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	TR9551_01
Date of Test(s)	8, 17 – 24 and 31 May 2024
Report Issue Date	November 26, 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-5 Band

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5955.000	24.0	20.000000	PASS
RF output power	5955.000	24.0	20.000000	PASS
Power Spectral Density (SA-2)	5955.000	24.0	20.000000	PASS
In-Band Emissions	5955.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5955.000	24.0	20.000000	PASS
Frequency Stability	5955.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	6195.000	24.0	20.000000	PASS
Power Spectral Density (SA-2)	6195.000	24.0	20.000000	PASS
In-Band Emissions	6195.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	6195.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	6415.000	24.0	20.000000	PASS
Power Spectral Density (SA-2)	6415.000	24.0	20.000000	PASS
In-Band Emissions	6415.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	6415.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5965.000	24.0	40.000000	PASS
Power Spectral Density (SA-2)	5965.000	24.0	40.000000	PASS
In-Band Emissions	5965.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5965.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	6205.000	24.0	40.000000	PASS
Power Spectral Density (SA-2)	6205.000	24.0	40.000000	PASS
In-Band Emissions	6205.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	6205.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	6405.000	24.0	40.000000	PASS
Power Spectral Density (SA-2)	6405.000	24.0	40.000000	PASS
In-Band Emissions	6405.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	6405.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5985.000	24.0	80.000000	PASS
Power Spectral Density (SA-2)	5985.000	24.0	80.000000	PASS
In-Band Emissions	5985.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5985.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	6225.000	24.0	80.000000	PASS
Power Spectral Density (SA-2)	6225.000	24.0	80.000000	PASS
In-Band Emissions	6225.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	6225.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	6385.000	24.0	80.000000	PASS
Power Spectral Density (SA-2)	6385.000	24.0	80.000000	PASS
In-Band Emissions	6385.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	6385.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	6025.000	24.0	160.000000	PASS
Power Spectral Density (SA-2)	6025.000	24.0	160.000000	PASS
In-Band Emissions	6025.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	6025.000	24.0	160.000000	PASS
Tx Spurious Emission	6025.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Average)	6025.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Peak)	6025.000	24.0	160.000000	PASS
Emission Bandwidth 26 dB	6185.000	24.0	160.000000	PASS
Power Spectral Density (SA-2)	6185.000	24.0	160.000000	PASS
In-Band Emissions	6185.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	6185.000	24.0	160.000000	PASS
Tx Spurious Emission	6185.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Average)	6185.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Peak)	6185.000	24.0	160.000000	PASS
Emission Bandwidth 26 dB	6325.000	24.0	160.000000	PASS

Power Spectral Density (SA-2)	6325.000	24.0	160.000000	PASS
In-Band Emissions	6325.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	6325.000	24.0	160.000000	PASS
Tx Spurious Emission	6325.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Average)	6325.000	24.0	160.000000	PASS
Emissions in restricted frequency bands (Peak)	6325.000	24.0	160.000000	PASS
Emission Bandwidth 26 dB	6265.000	24.0	320.000000	PASS
Power Spectral Density (SA-2)	6265.000	24.0	320.000000	PASS
In-Band Emissions	6265.000	24.0	320.000000	PASS
Occupied Channel Bandwidth 99%	6265.000	24.0	320.000000	PASS
Tx Spurious Emission	6265.000	24.0	320.000000	PASS
Emissions in restricted frequency bands (Average)	6265.000	24.0	320.000000	PASS
Emissions in restricted frequency bands (Peak)	6265.000	24.0	320.000000	PASS

Emission Bandwidth 26 dB (5955 MHz; 24.000 dBm; 20 MHz)

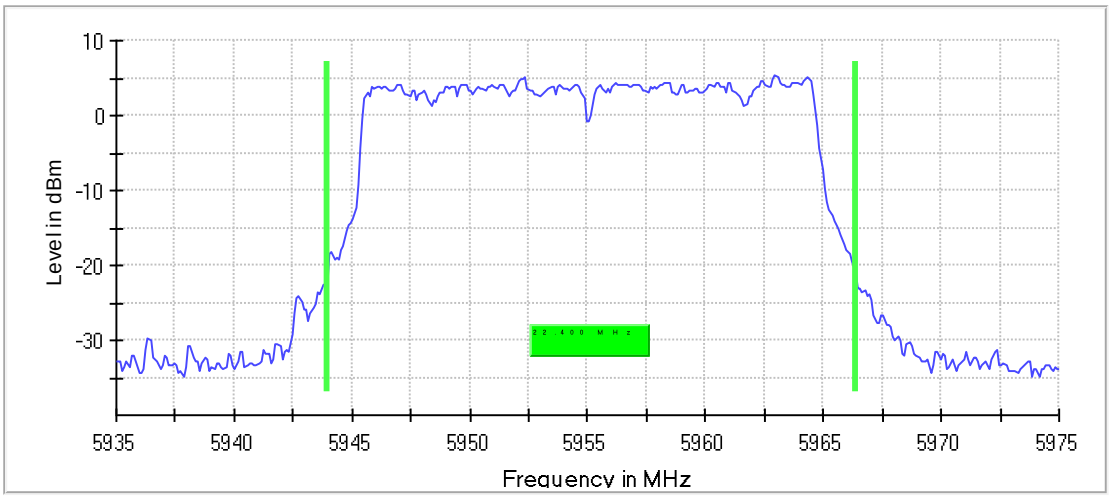
Customized settings.

26 dB Bandwidth

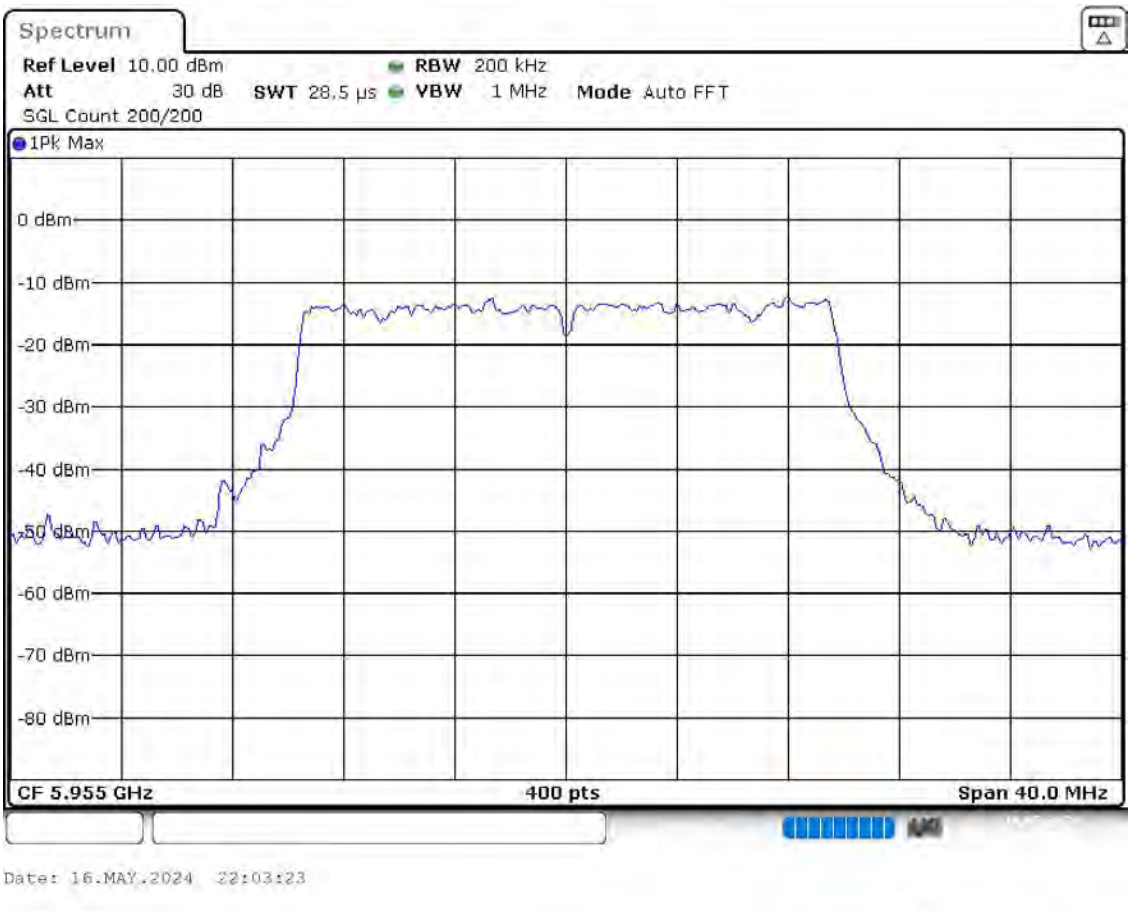
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
5955.000000	22.400000	---	320.000000	5943.950000	---

(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
5955.000000	5966.350000	---	5.3	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.93500 GHz	5.93500 GHz
Stop Frequency	5.97500 GHz	5.97500 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 (5955 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated EIRP (dBm)	Limit Max (dBm)	Gated RMS (dBm)	DutyCycle (%)	Result
5955.000000	23.1	24.0	23.1	99.719	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) (5955 MHz; 24.000 dBm; 20 MHz)

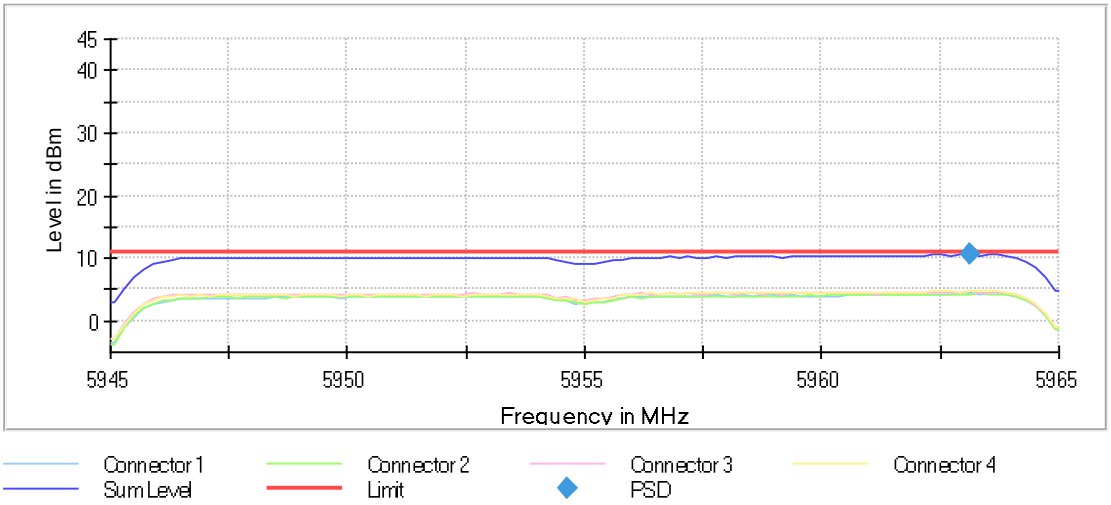
Customized settings.

Result

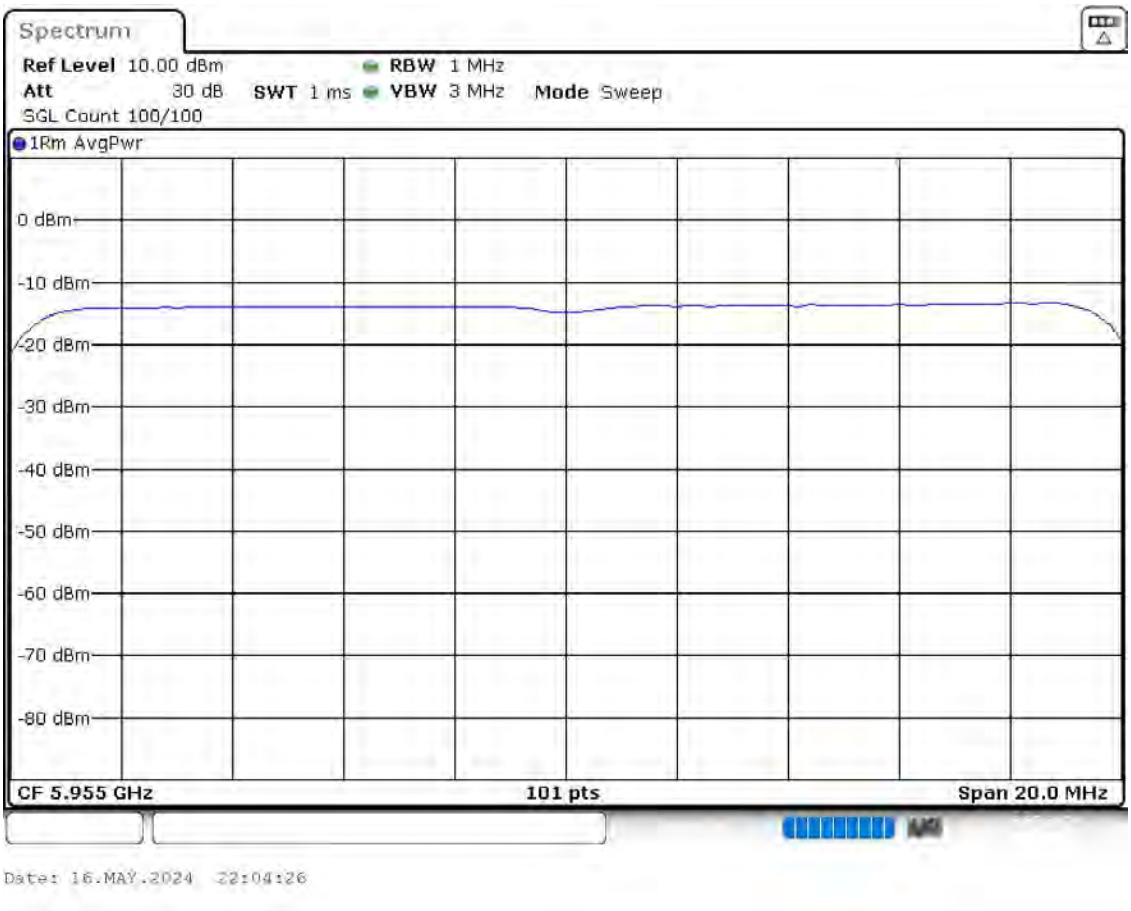
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5955.000000	5963.118812	10.568	11.0	PASS

Ports

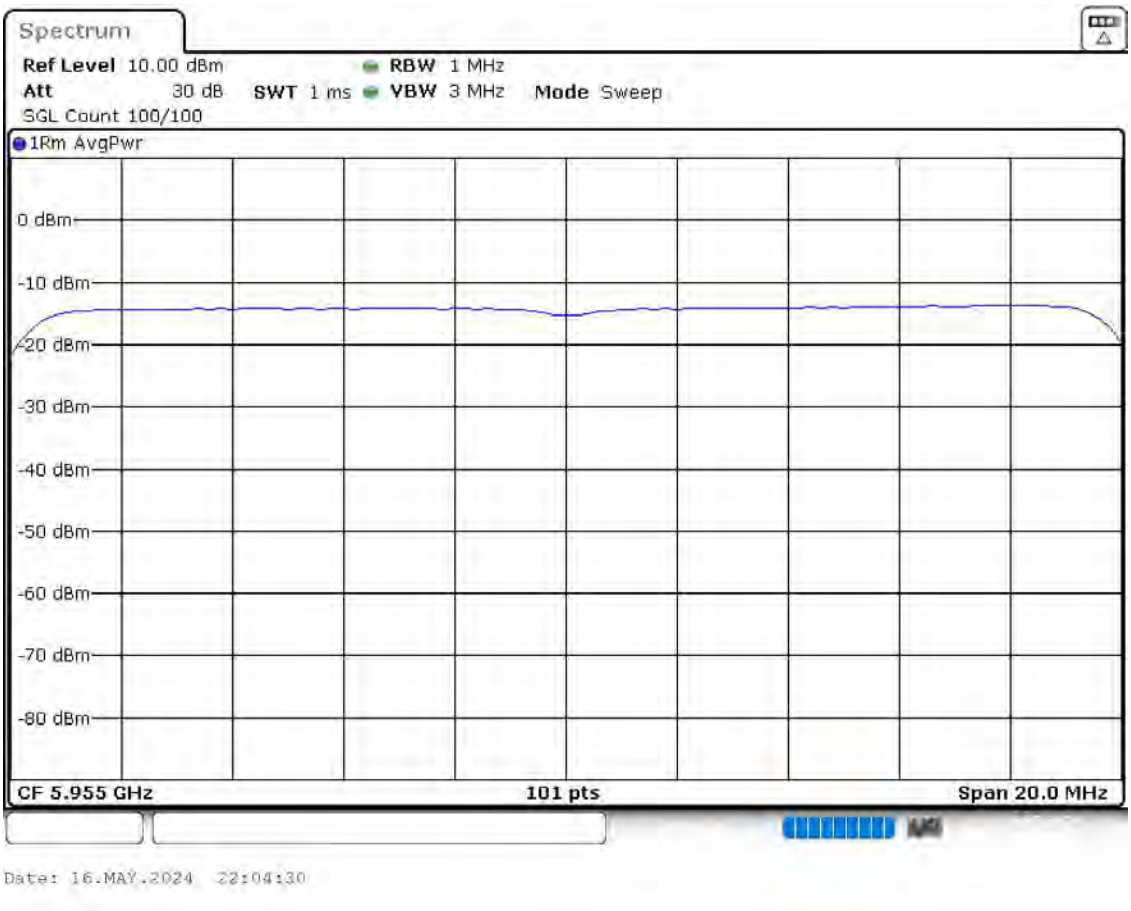
Port	State
1	used
2	used
3	used
4	used



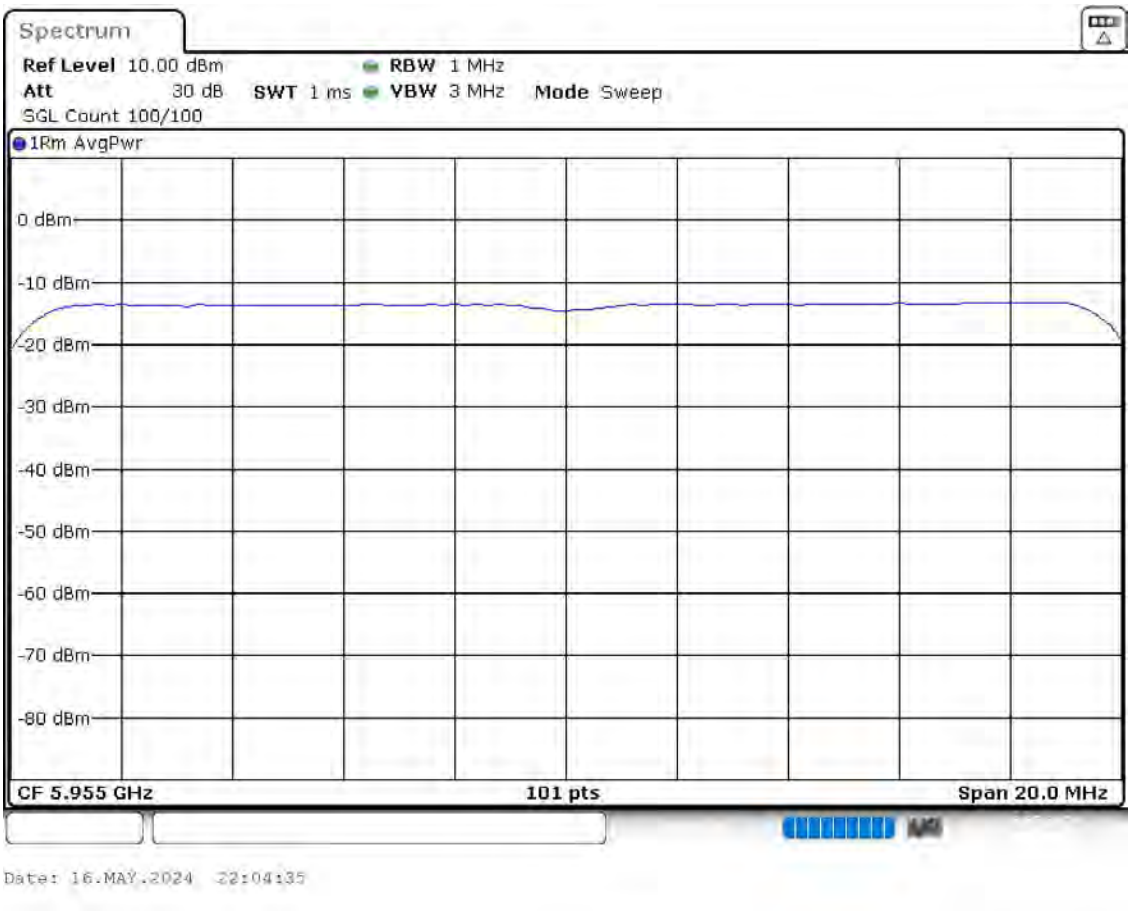
PSD Connector 1



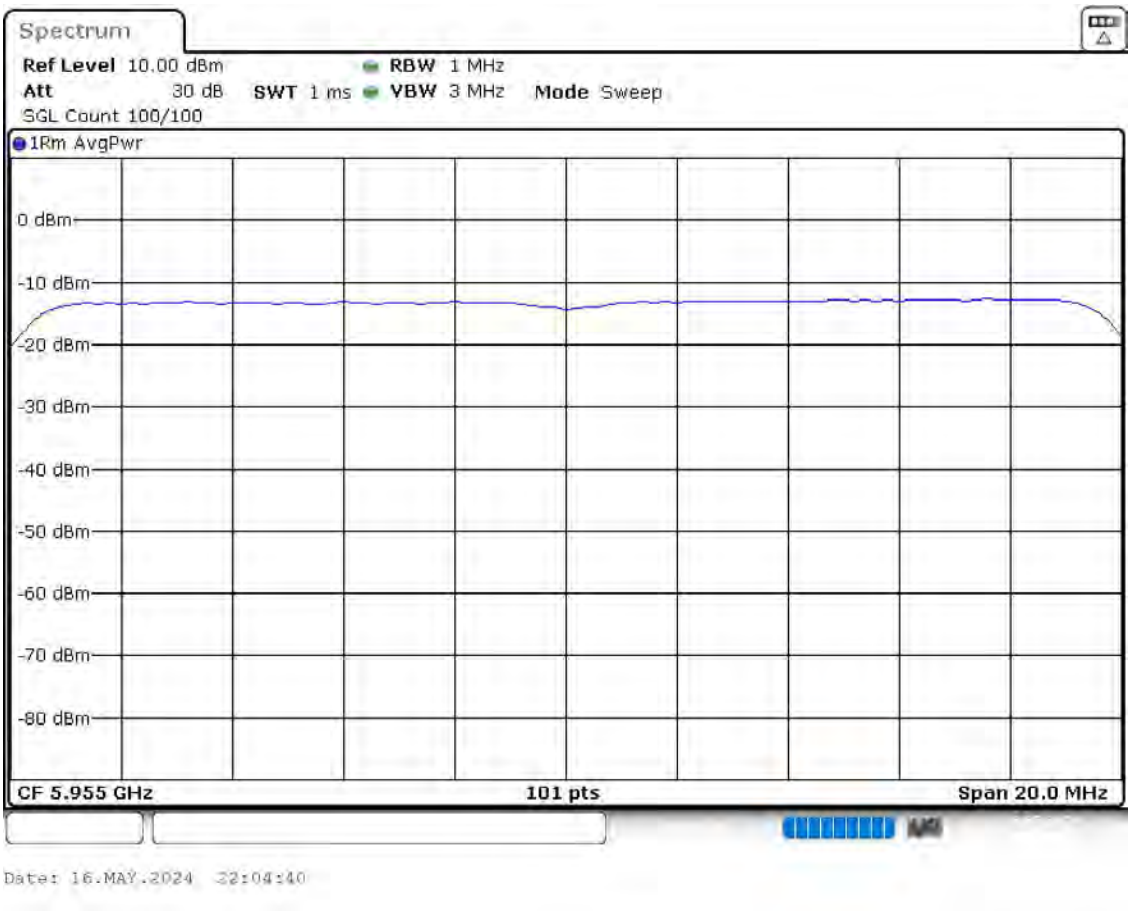
PSD Connector 2



PSD Connector 3



PSD Connector 4



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.94500 GHz	5.94500 GHz
Stop Frequency	5.96500 GHz	5.96500 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 (5955 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

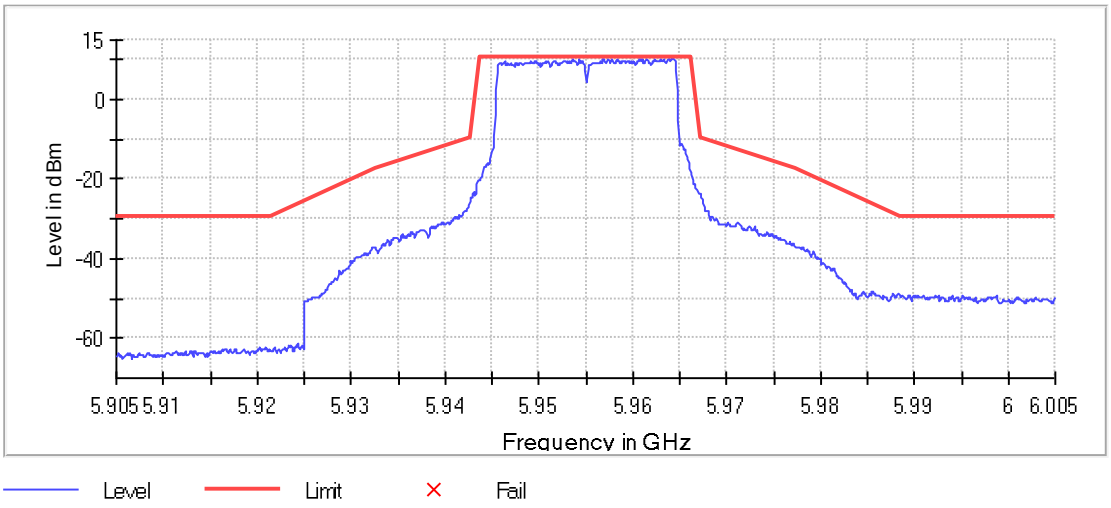
DUT Frequency (MHz)	Result
5955.000000	PASS

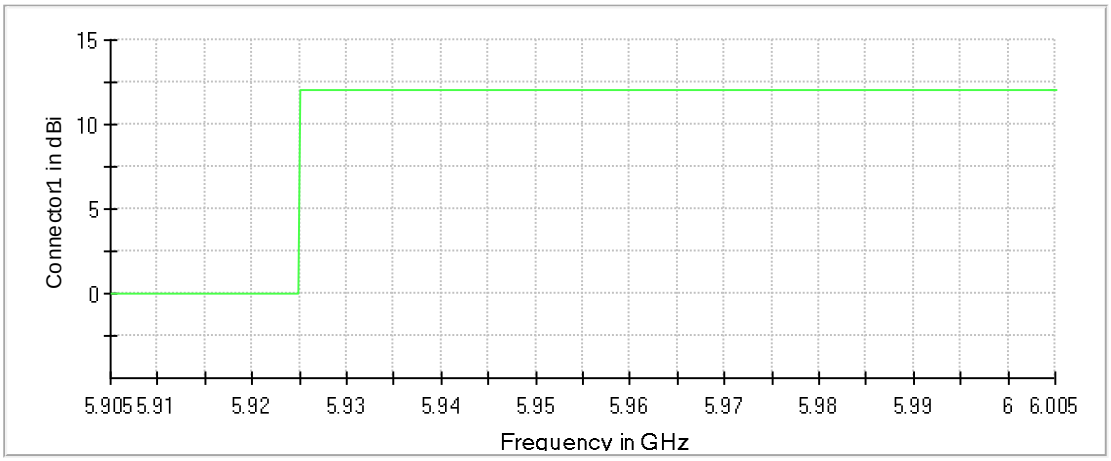
Inband Peak

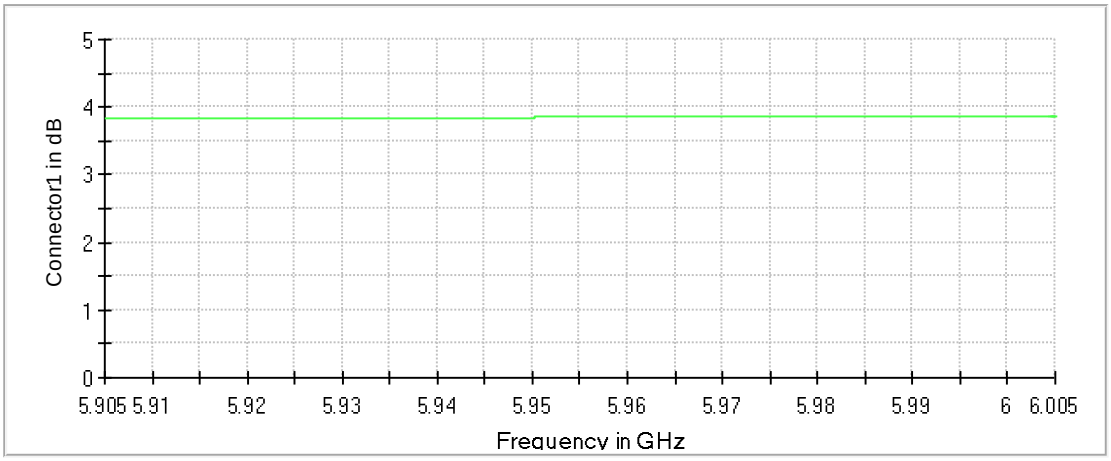
Frequency (MHz)	Level (dBm)
5964.250000	10.4

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5963.250000	10.3	0.1	10.4	PASS
5964.450000	10.3	0.1	10.4	PASS
5960.750000	10.3	0.1	10.4	PASS
5961.550000	10.2	0.2	10.4	PASS
5957.350000	10.2	0.2	10.4	PASS
5961.450000	10.2	0.3	10.4	PASS
5963.950000	10.2	0.3	10.4	PASS
5964.350000	10.1	0.3	10.4	PASS
5962.950000	10.1	0.3	10.4	PASS
5957.450000	10.1	0.3	10.4	PASS
5958.350000	10.1	0.3	10.4	PASS
5960.850000	10.1	0.4	10.4	PASS
5964.150000	10.1	0.4	10.4	PASS
5953.650000	10.1	0.4	10.4	PASS
5961.050000	10.0	0.4	10.4	PASS


15
0
-20
-40
-60
Level in dBm
5.905 5.91 5.92 5.93 5.94 5.95 5.96 5.97 5.98 5.99 6 6.005
Frequency in GHz
Level
Limit
Fail





Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	5.90500 GHz	5.90500 GHz
Stop Frequency	6.00500 GHz	6.00500 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% (5955 MHz; 24.000 dBm; 20 MHz)

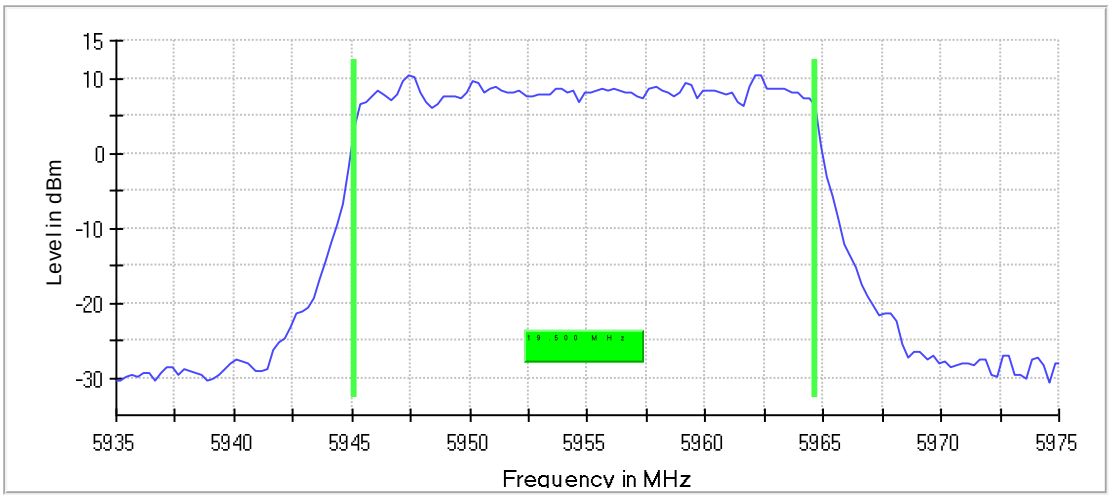
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
5955.000000	19.500000	---	320.000000	5945.125000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
5955.000000	5964.625000	7125.000000	PASS



Bandwidth

Measurement

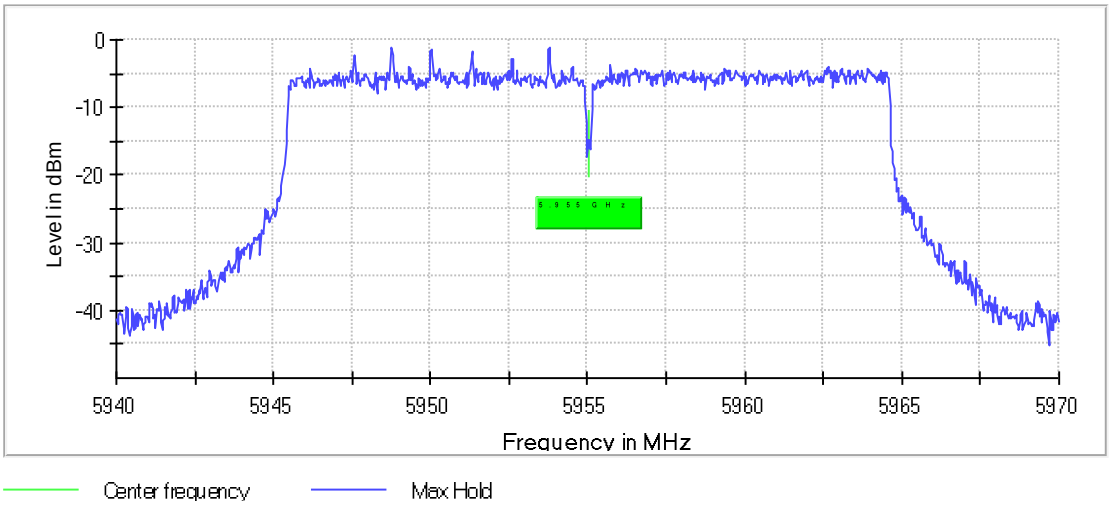
Setting	Instrument Value	Target Value
Start Frequency	5.93500 GHz	5.93500 GHz
Stop Frequency	5.97500 GHz	5.97500 GHz
Span	40.000 MHz	40.000 MHz
RBW	500.000 kHz	>= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	160	~ 160
Sweeptime	11.344 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 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

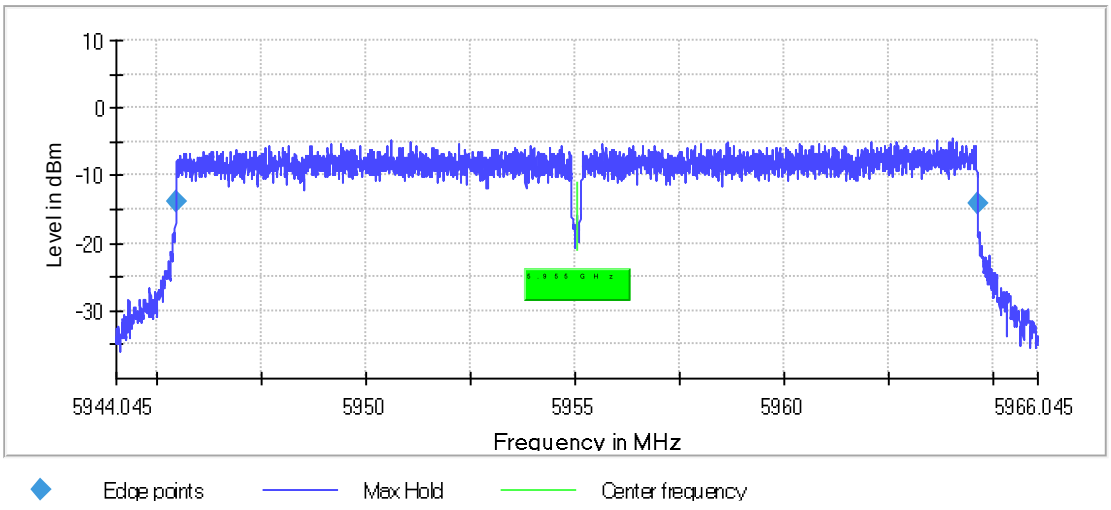
Frequency Stability (5955 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)	Result
5955.000000	5955.039456	6.626	39.455500	---	---	PASS





Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.94404 GHz	5.94404 GHz

Stop Frequency	**5.96604 GHz**	**5.96604 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 (6195 MHz; 24.000 dBm; 20 MHz)

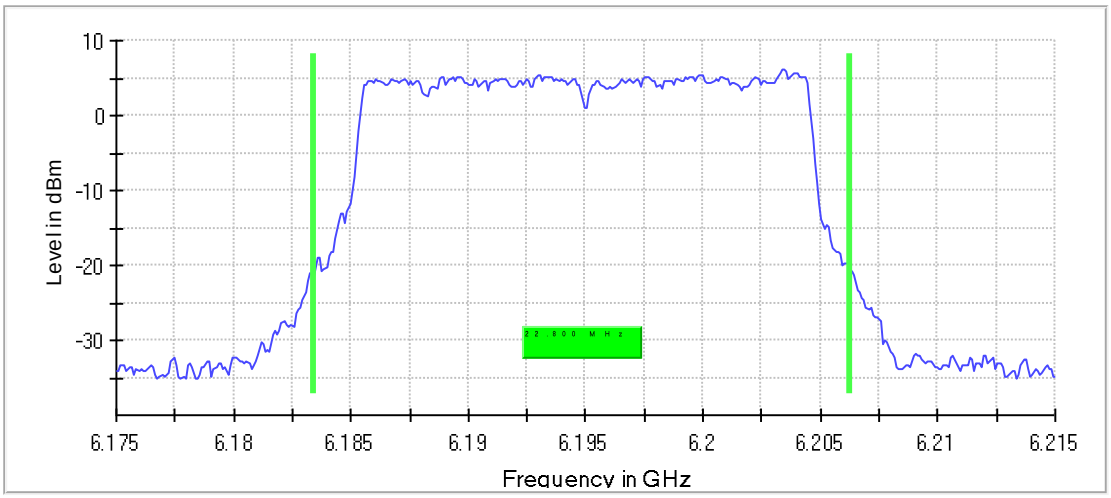
Customized settings.

26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6195.000000	22.800000	---	320.000000	6183.450000	---

(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
6195.000000	6206.250000	---	6.2	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 6.195 GHz
400 pts
Span 40.0 MHz
Date: 16.MAY.2024 22:16:04

Power Spectral Density (SA-2) (6195 MHz; 24.000 dBm; 20 MHz)

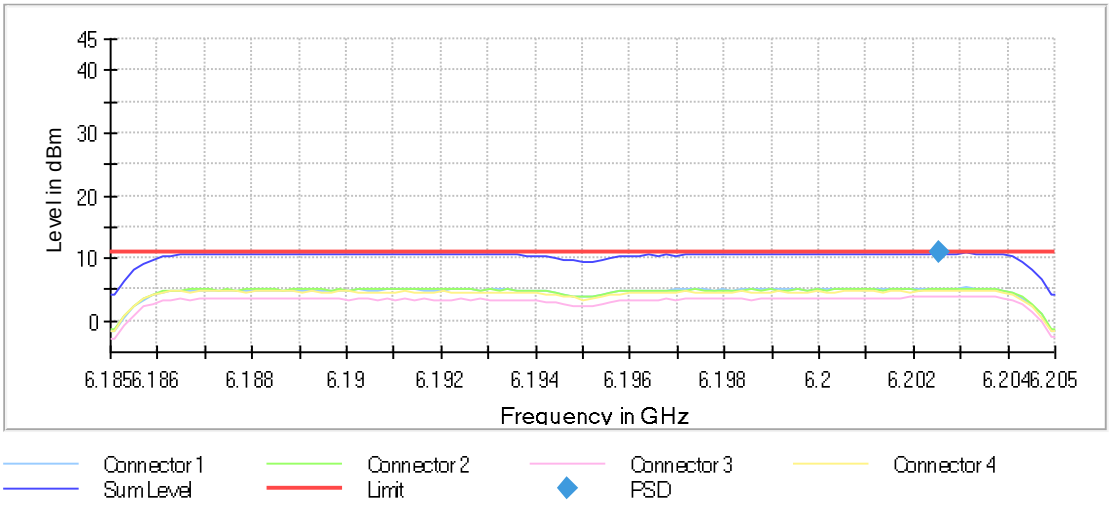
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6195.000000	6202.524752	10.815	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6195 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

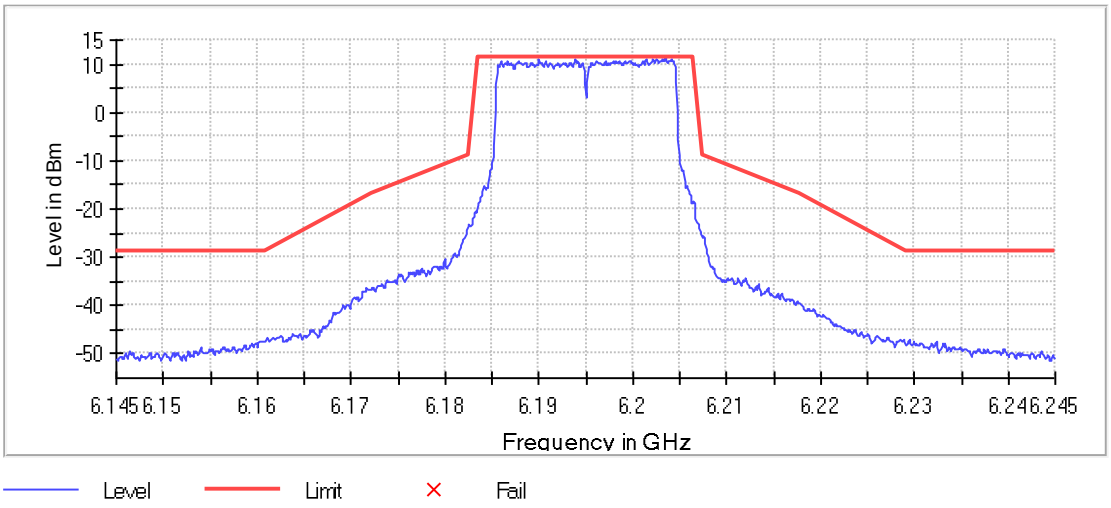
DUT Frequency (MHz)	Result
6195.000000	PASS

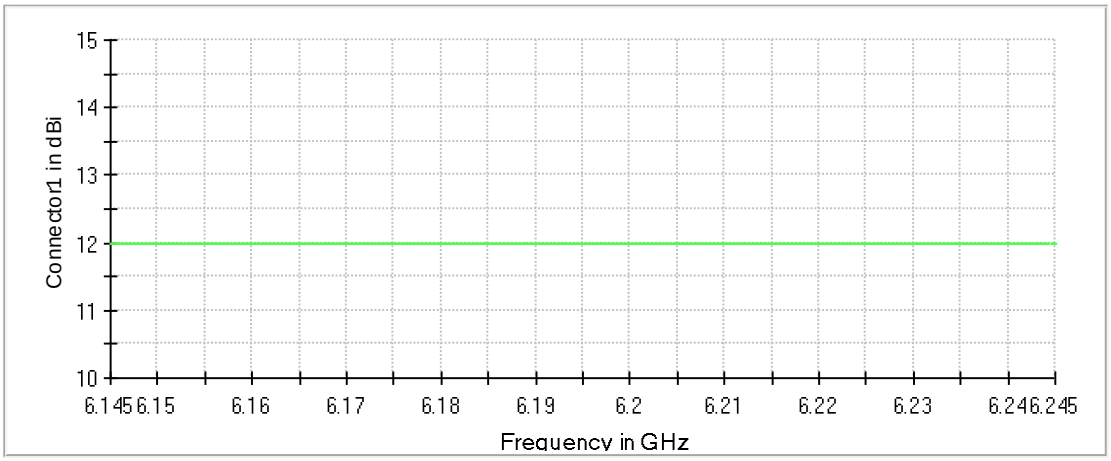
Inband Peak

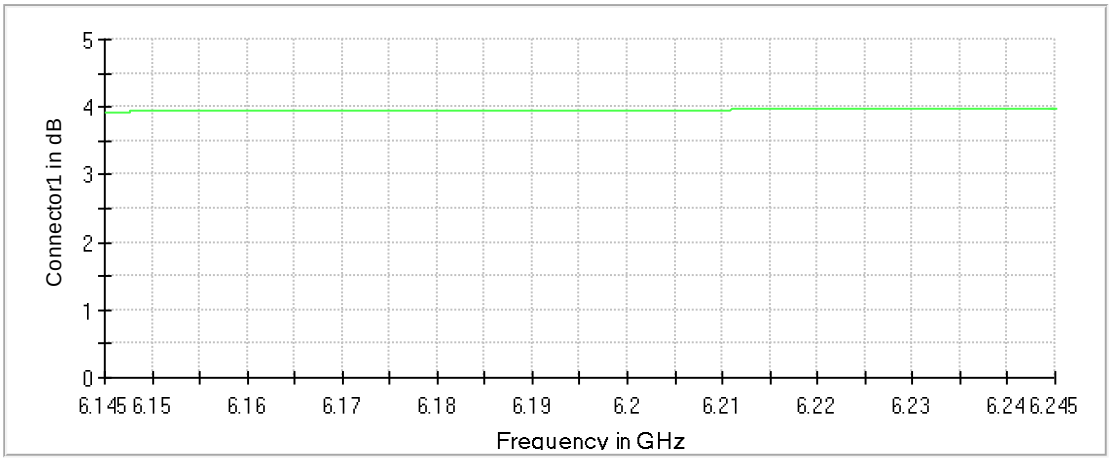
Frequency (MHz)	Level (dBm)
6203.550000	11.3

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6203.550000	11.3	0.0	11.3	PASS
6203.450000	11.2	0.1	11.3	PASS
6201.450000	11.1	0.1	11.3	PASS
6202.150000	11.1	0.2	11.3	PASS
6203.150000	10.9	0.3	11.3	PASS
6202.550000	10.9	0.3	11.3	PASS
6190.050000	10.9	0.4	11.3	PASS
6204.150000	10.9	0.4	11.3	PASS
6202.450000	10.8	0.4	11.3	PASS
6193.950000	10.8	0.4	11.3	PASS
6189.950000	10.8	0.4	11.3	PASS
6202.650000	10.8	0.4	11.3	PASS
6202.250000	10.8	0.4	11.3	PASS
6204.250000	10.8	0.5	11.3	PASS
6202.950000	10.8	0.5	11.3	PASS


15
10
0
-10
-20
-30
-40
-50
Level in dBm
6.145
6.15
6.16
6.17
6.18
6.19
6.2
6.21
6.22
6.23
6.246
6.245
Frequency in GHz
Level
Limit
Fail


15
14
13
12
11
10
Connector1 in dBi
6.145
6.15
6.16
6.17
6.18
6.19
6.2
6.21
6.22
6.23
6.24
6.245
Frequency in GHz
Connector1


5
4
3
2
1
0
Connector1 in dB
6.145
6.15
6.16
6.17
6.18
6.19
6.2
6.21
6.22
6.23
6.24
6.245
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6195 MHz; 24.000 dBm; 20 MHz)

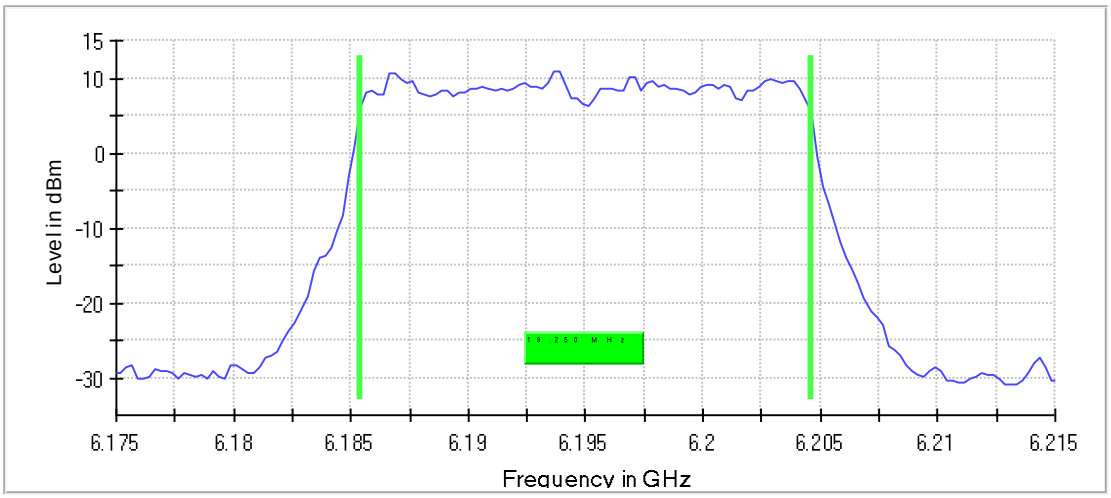
Customized settings.

99 % Bandwidth

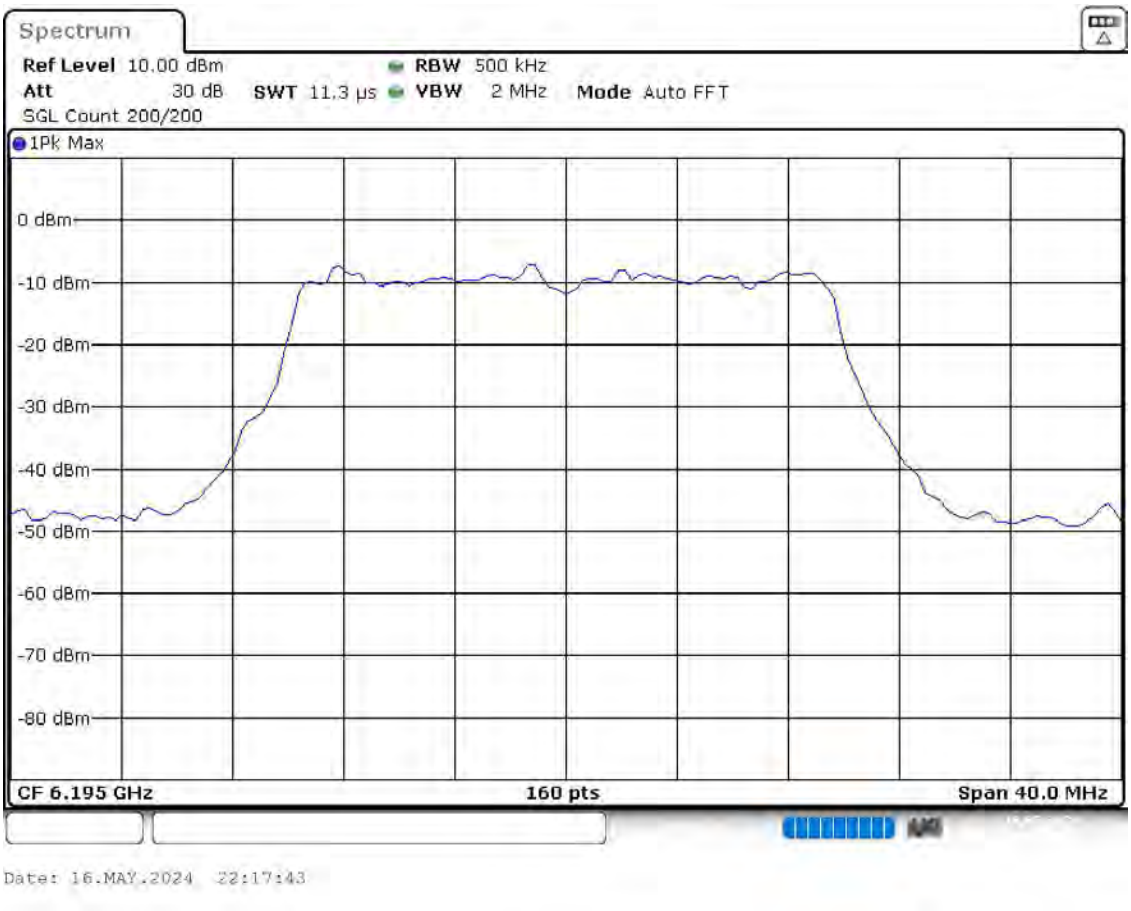
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6195.000000	19.250000	---	320.000000	6185.375000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6195.000000	6204.625000	7125.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.17500 GHz	6.17500 GHz
Stop Frequency	6.21500 GHz	6.21500 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

Emission Bandwidth 26 dB (6415 MHz; 24.000 dBm; 20 MHz)

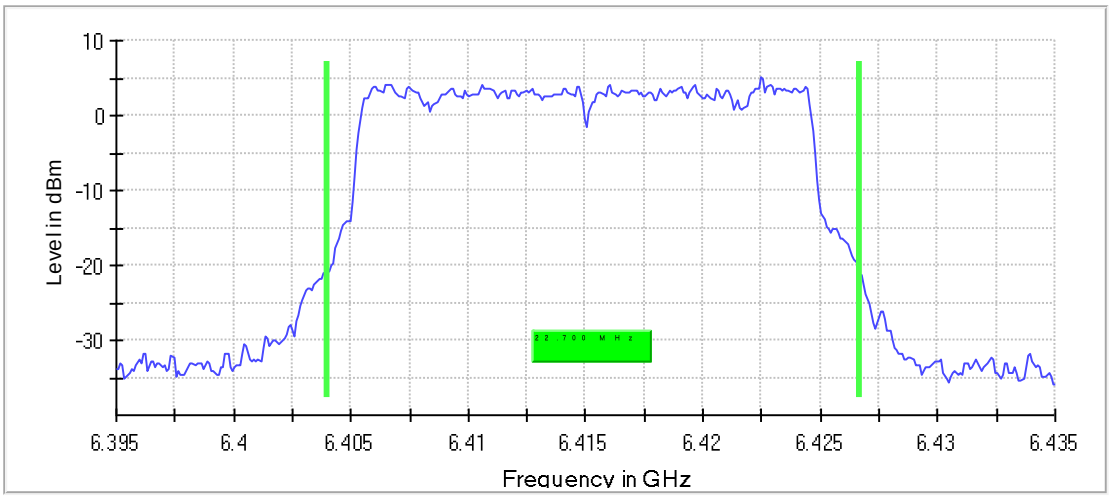
Customized settings.

26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6415.000000	22.700000	---	320.000000	6403.950000	---

(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
6415.000000	6426.650000	---	5.1	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 6.415 GHz
400 pts
Span 40.0 MHz
Date: 16.MAY.2024 22:21:39

Power Spectral Density (SA-2) (6415 MHz; 24.000 dBm; 20 MHz)

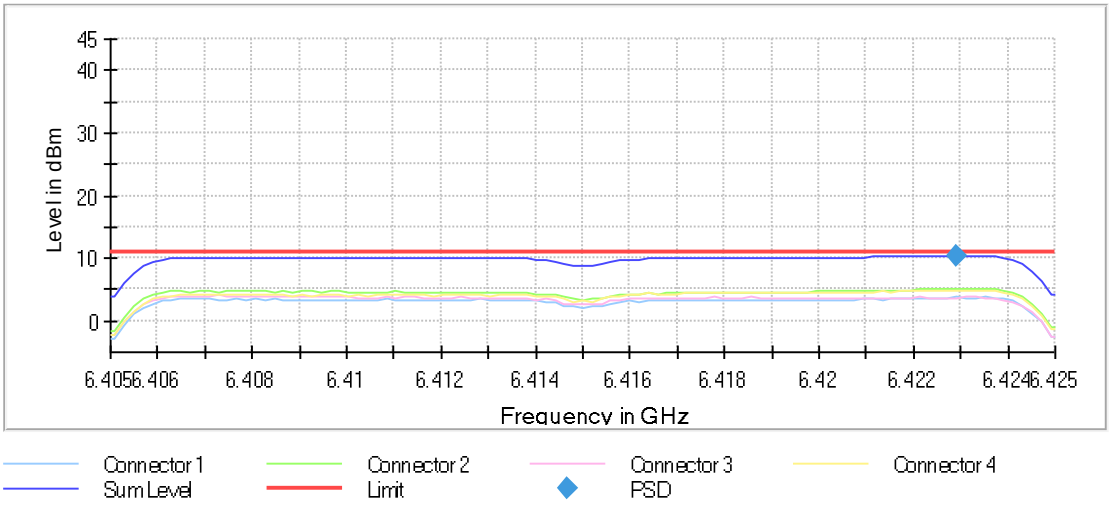
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6415.000000	6422.920792	10.428	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6415 MHz; 24.000 dBm; 20 MHz)

Customized settings.

Result

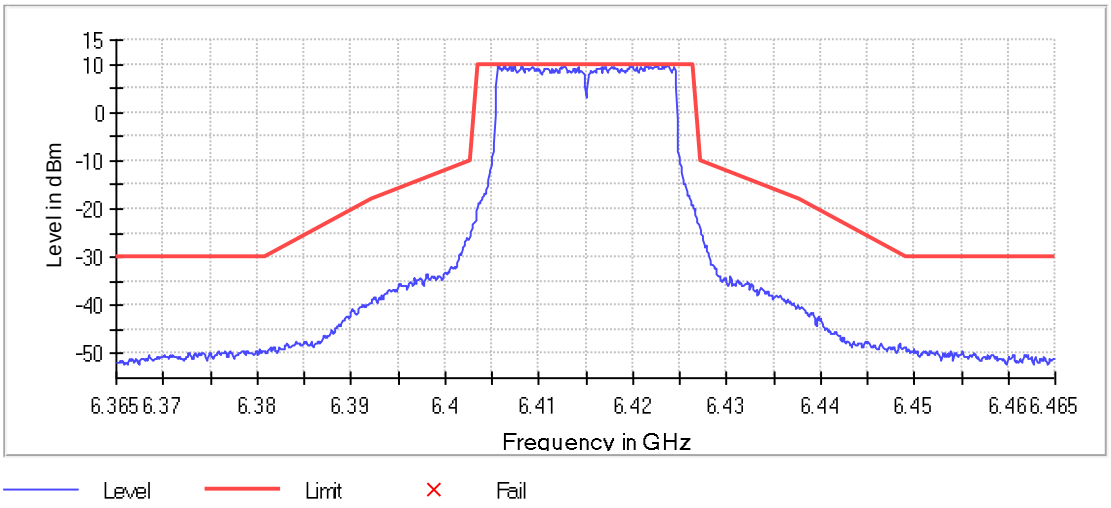
DUT Frequency (MHz)	Result
6415.000000	PASS

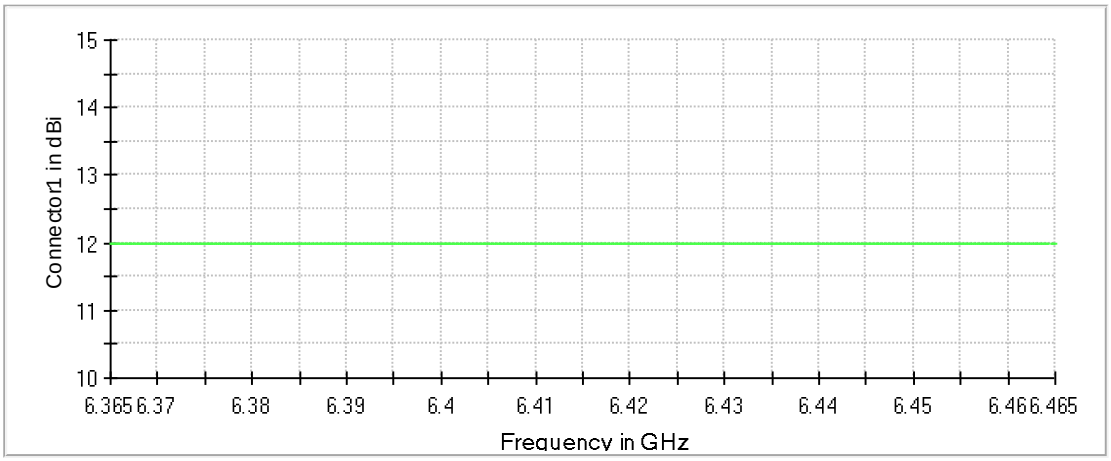
Inband Peak

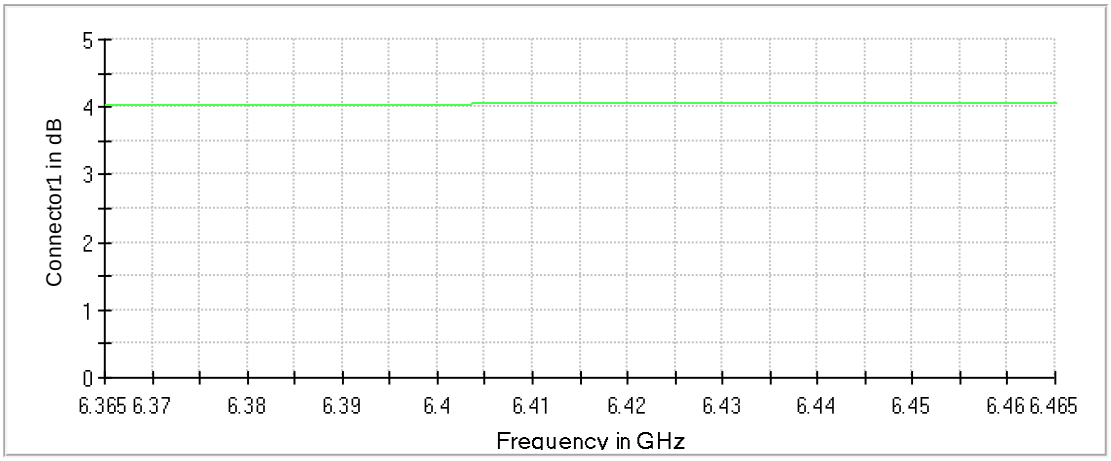
Frequency (MHz)	Level (dBm)
6423.750000	10.0

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6423.750000	10.0	0.0	10.0	PASS
6405.650000	10.0	0.0	10.0	PASS
6423.850000	9.9	0.1	10.0	PASS
6422.550000	9.8	0.2	10.0	PASS
6423.150000	9.8	0.2	10.0	PASS
6422.650000	9.8	0.2	10.0	PASS
6406.350000	9.7	0.3	10.0	PASS
6407.450000	9.7	0.3	10.0	PASS
6407.350000	9.7	0.4	10.0	PASS
6412.750000	9.6	0.4	10.0	PASS
6419.750000	9.5	0.5	10.0	PASS
6419.650000	9.5	0.5	10.0	PASS
6412.850000	9.5	0.5	10.0	PASS
6419.850000	9.5	0.5	10.0	PASS
6423.550000	9.5	0.5	10.0	PASS


15
10
0
-10
-20
-30
-40
-50
Level in dBm
6.365
6.37
6.38
6.39
6.4
6.41
6.42
6.43
6.44
6.45
6.46
6.465
Frequency in GHz
Level
Limit
Fail


15
14
13
12
11
10
Connector1 in dBi
6.365 6.37 6.38 6.39 6.4 6.41 6.42 6.43 6.44 6.45 6.46 6.465
Frequency in GHz
Connector1


5
4
3
2
1
0
Connector1 in dB
6.365 6.37 6.38 6.39 6.4 6.41 6.42 6.43 6.44 6.45 6.46 6.465
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6415 MHz; 24.000 dBm; 20 MHz)

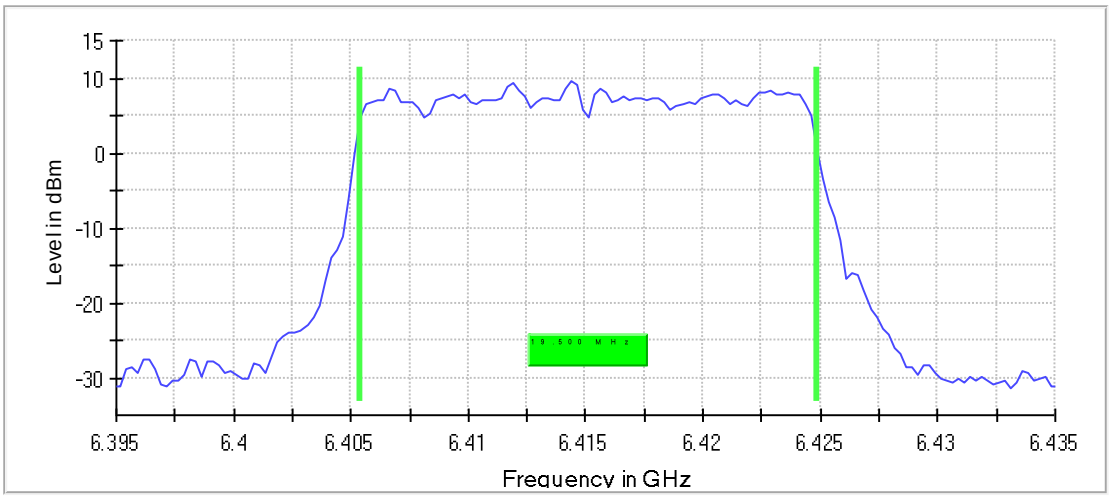
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6415.000000	19.500000	---	320.000000	6405.375000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6415.000000	6424.875000	7125.000000	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.39500 GHz	6.39500 GHz
Stop Frequency	6.43500 GHz	6.43500 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

Emission Bandwidth 26 dB (5965 MHz; 24.000 dBm; 40 MHz)

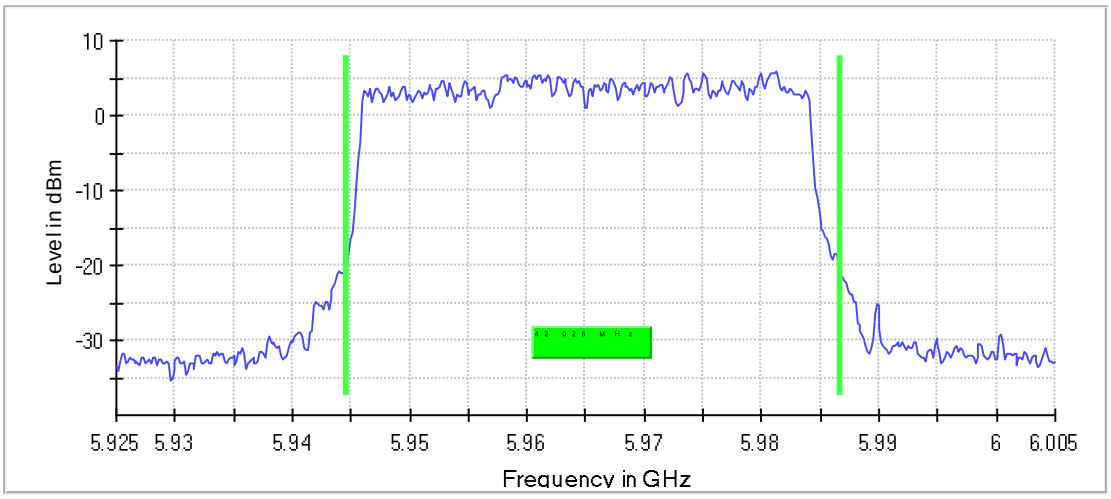
Customized settings.

26 dB Bandwidth

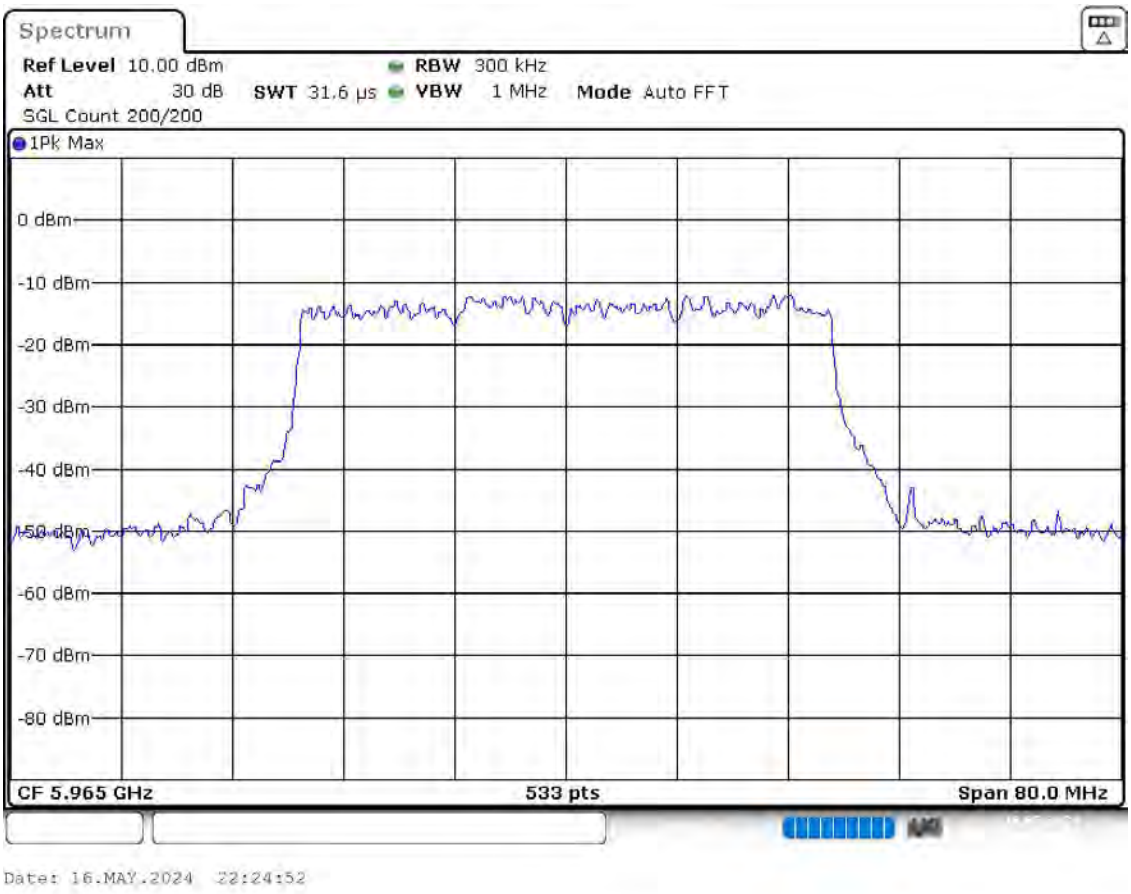
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
5965.000000	42.026266	---	320.000000	5944.587242	---

(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
5965.000000	5986.613508	---	5.9	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 5.965 GHz
533 pts
Span 80.0 MHz
Date: 16.MAY.2024 22:24:52

Power Spectral Density (SA-2) (5965 MHz; 24.000 dBm; 40 MHz)

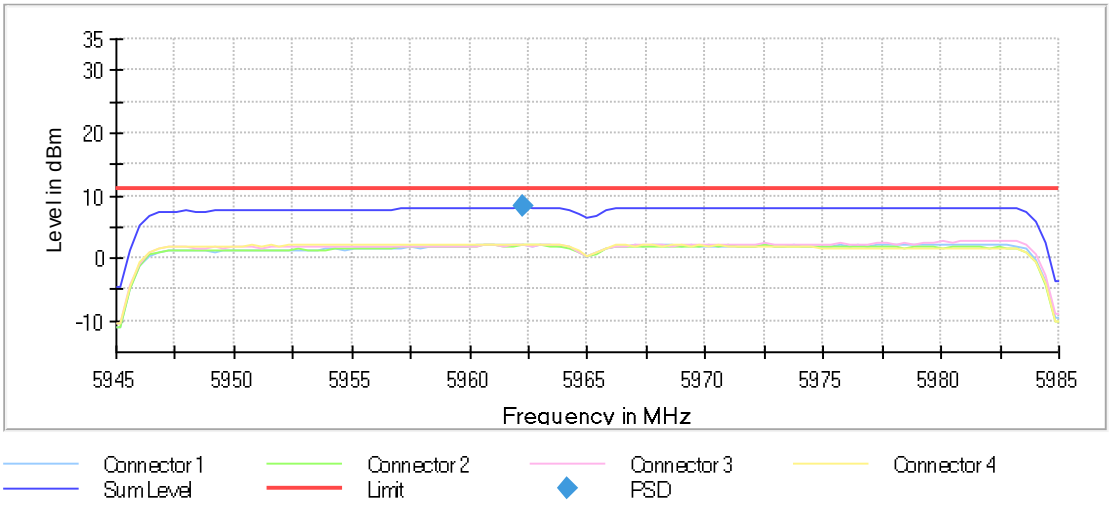
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5965.000000	5962.227723	8.190	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (5965 MHz; 24.000 dBm; 40 MHz)

Customized settings.

Result

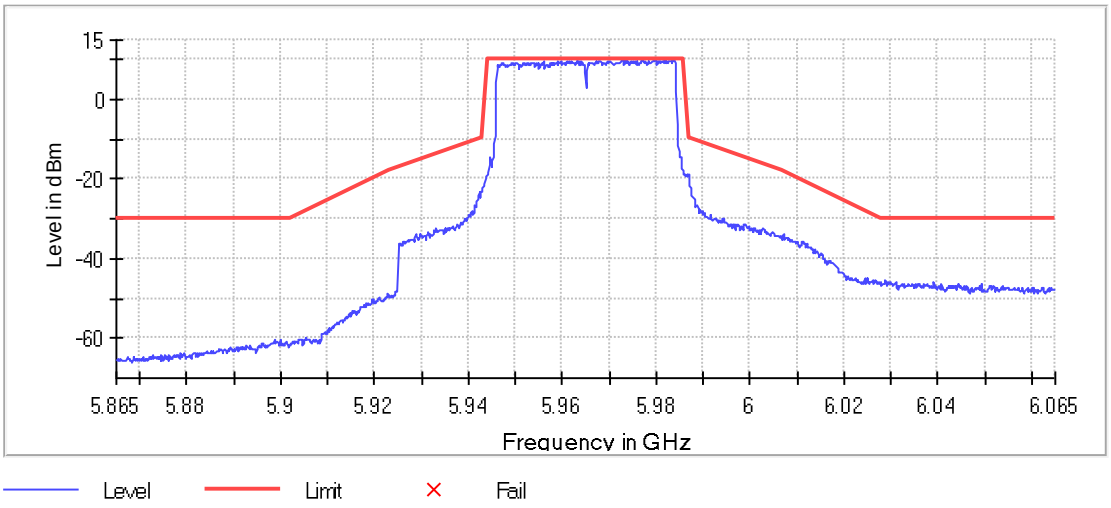
DUT Frequency (MHz)	Result
5965.000000	PASS

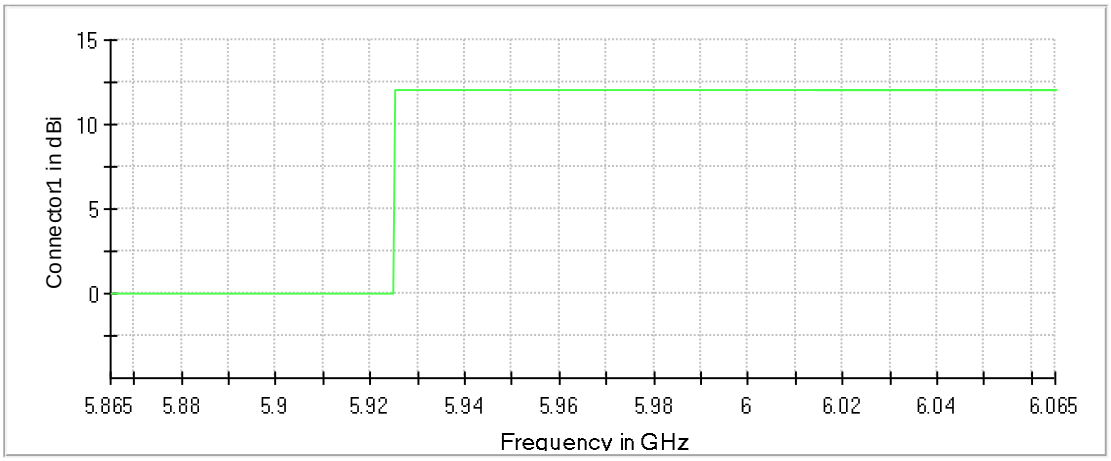
Inband Peak

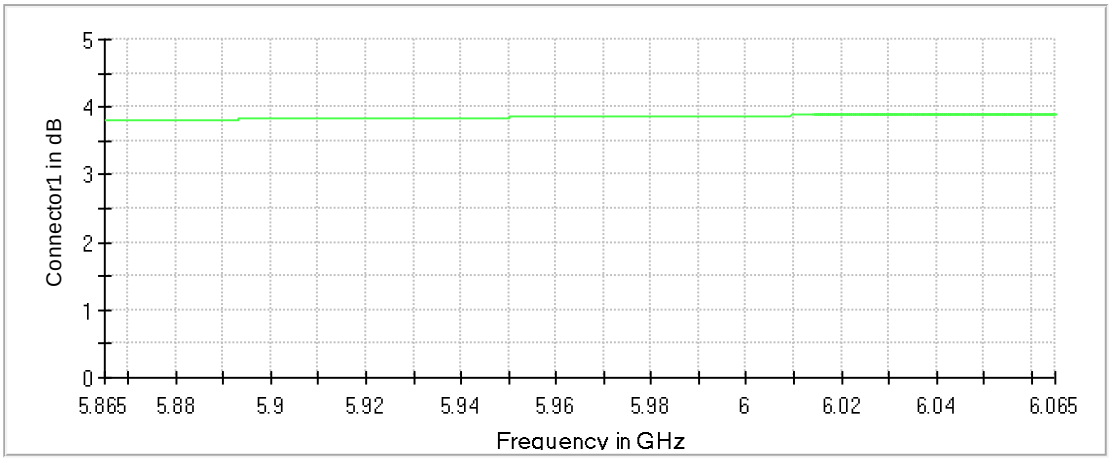
Frequency (MHz)	Level (dBm)
5979.703676	10.3

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5979.853713	10.3	0.0	10.3	PASS
5973.552138	10.2	0.1	10.3	PASS
5981.804201	10.1	0.2	10.3	PASS
5972.801950	10.1	0.2	10.3	PASS
5977.003001	10.0	0.3	10.3	PASS
5972.951988	10.0	0.3	10.3	PASS
5983.904726	10.0	0.3	10.3	PASS
5967.850713	9.9	0.4	10.3	PASS
5982.854464	9.9	0.4	10.3	PASS
5983.754689	9.9	0.4	10.3	PASS
5967.700675	9.8	0.4	10.3	PASS
5961.399100	9.8	0.4	10.3	PASS
5980.603901	9.8	0.4	10.3	PASS
5974.002251	9.8	0.5	10.3	PASS
5970.101275	9.8	0.5	10.3	PASS


15
0
-20
-40
-60
Level in dBm
5.865
5.88
5.9
5.92
5.94
5.96
5.98
6
6.02
6.04
6.065
Frequency in GHz
Level
Limit
Fail


15
10
5
0
Connector1 in dBi
5.865
5.88
5.9
5.92
5.94
5.96
5.98
6
6.02
6.04
6.065
Frequency in GHz
Connector1


5
4
3
2
1
0
Connector1 in dB
5.865
5.88
5.9
5.92
5.94
5.96
5.98
6
6.02
6.04
6.065
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (5965 MHz; 24.000 dBm; 40 MHz)

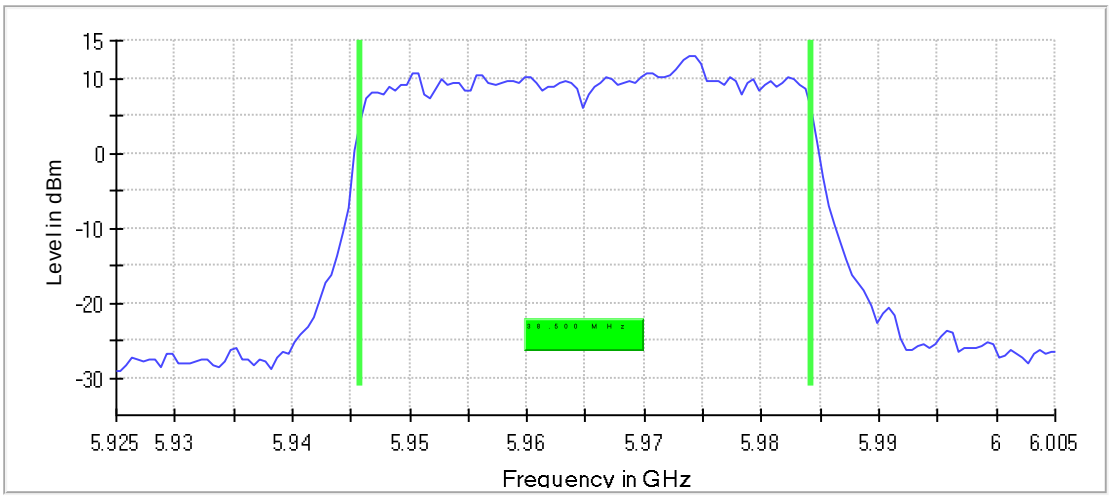
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
5965.000000	38.500000	---	320.000000	5945.750000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
5965.000000	5984.250000	7125.000000	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.92500 GHz	5.92500 GHz
Stop Frequency	6.00500 GHz	6.00500 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 (6205 MHz; 24.000 dBm; 40 MHz)

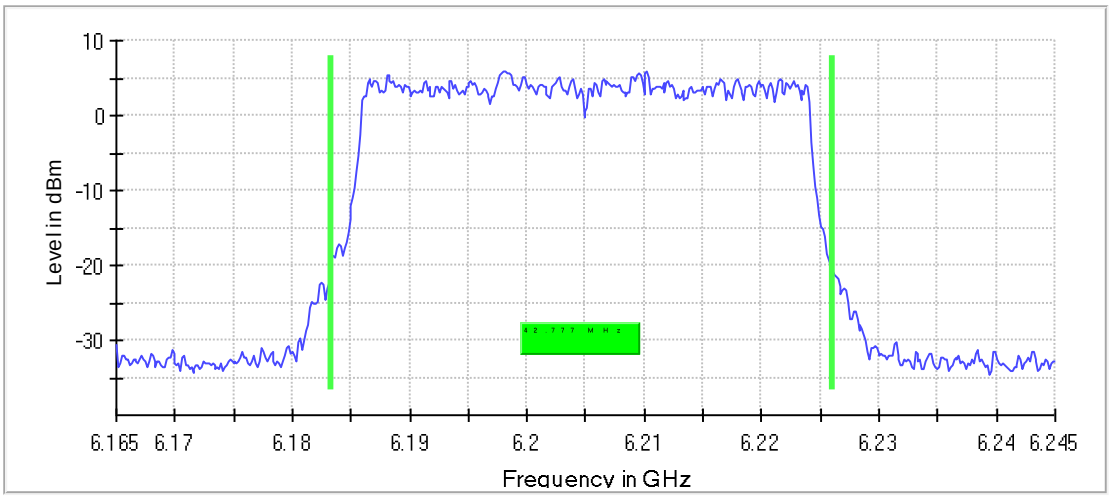
Customized settings.

26 dB Bandwidth

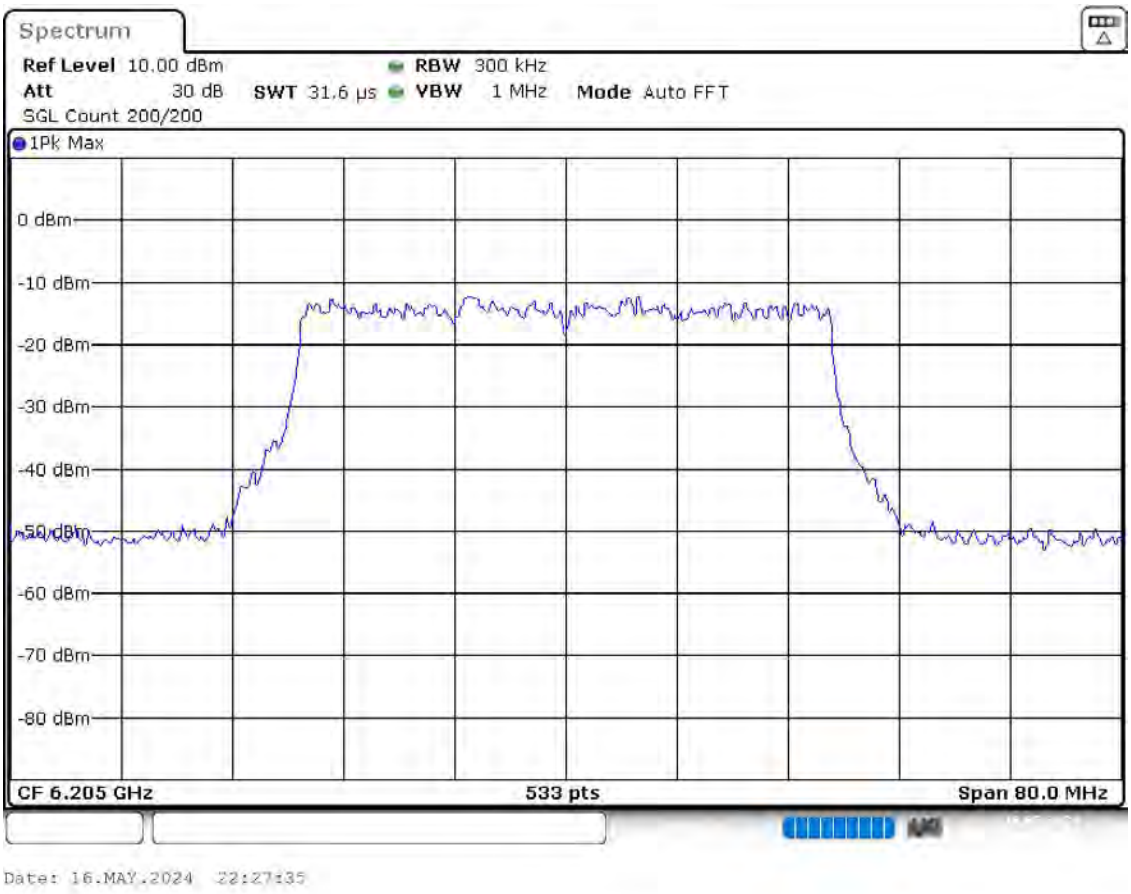
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6205.000000	42.776735	---	320.000000	6183.236398	---

(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
6205.000000	6226.013133	---	5.9	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 6.205 GHz
533 pts
Span 80.0 MHz
Date: 16.MAY.2024 22:27:35

Power Spectral Density (SA-2) (6205 MHz; 24.000 dBm; 40 MHz)

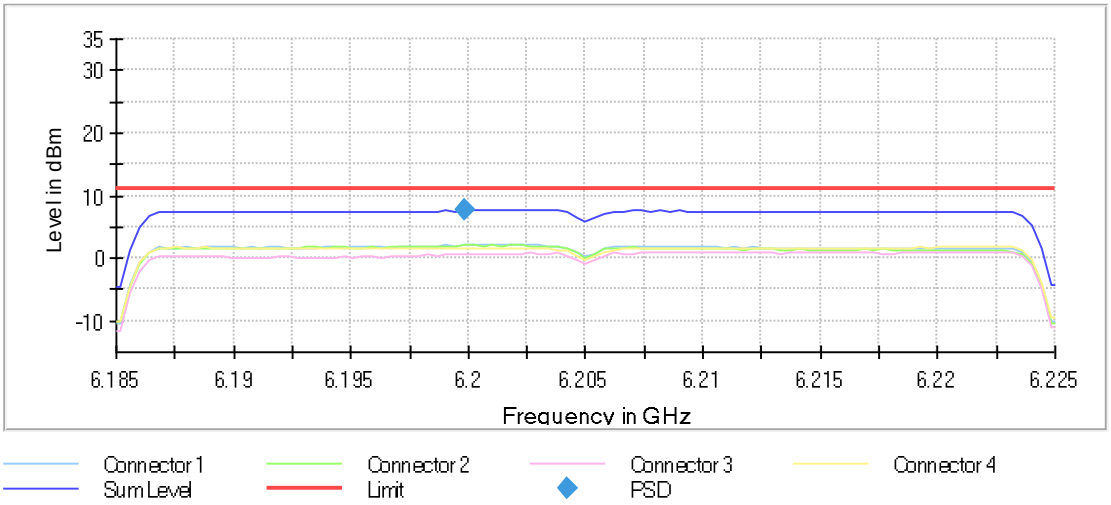
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6205.000000	6199.851485	7.680	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6205 MHz; 24.000 dBm; 40 MHz)

Customized settings.

Result

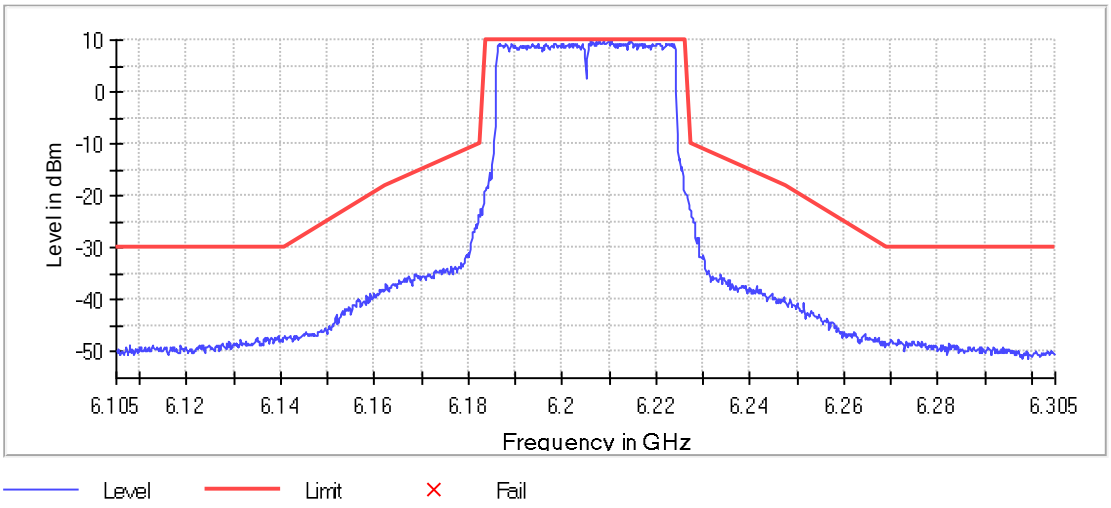
DUT Frequency (MHz)	Result
6205.000000	PASS

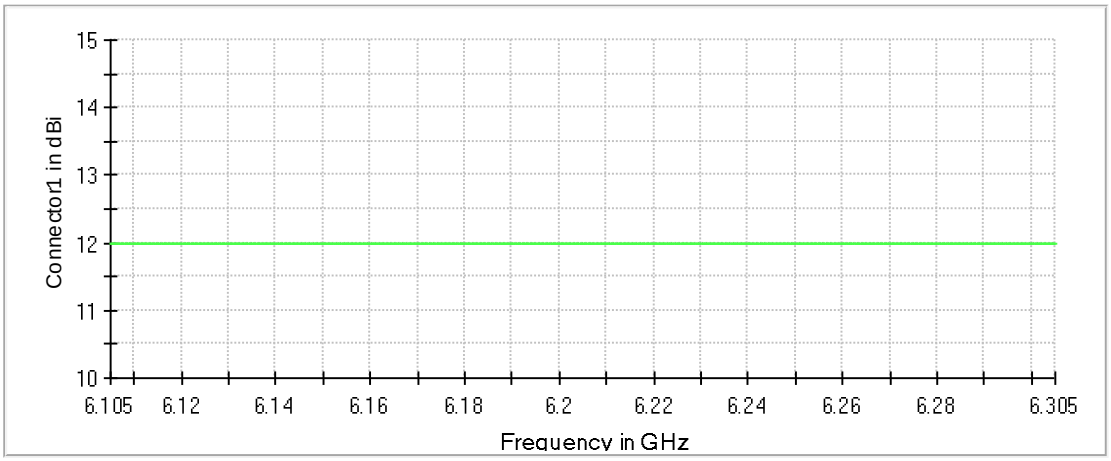
Inband Peak

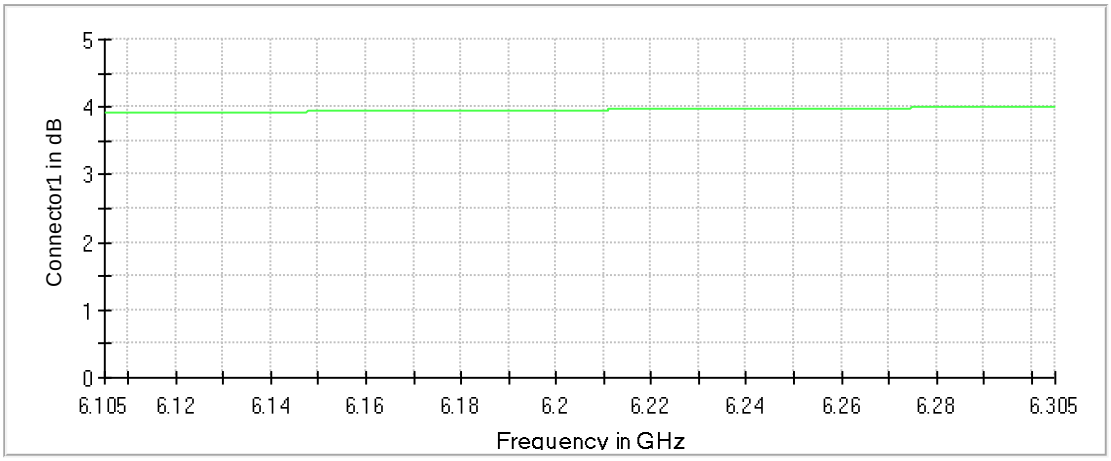
Frequency (MHz)	Level (dBm)
6210.401350	10.0

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6210.401350	10.0	0.0	10.0	PASS
6208.750938	9.9	0.0	10.0	PASS
6214.602401	9.8	0.1	10.0	PASS
6206.050263	9.8	0.1	10.0	PASS
6209.951238	9.8	0.2	10.0	PASS
6210.551388	9.7	0.3	10.0	PASS
6214.752438	9.7	0.3	10.0	PASS
6214.452363	9.6	0.4	10.0	PASS
6214.152288	9.6	0.4	10.0	PASS
6209.651163	9.6	0.4	10.0	PASS
6207.250563	9.6	0.4	10.0	PASS
6207.850713	9.5	0.4	10.0	PASS
6206.500375	9.5	0.5	10.0	PASS
6208.000750	9.4	0.5	10.0	PASS
6209.801200	9.4	0.5	10.0	PASS


10
0
-10
-20
-30
-40
-50
Level in dBm
6.105
6.12
6.14
6.16
6.18
6.2
6.22
6.24
6.26
6.28
6.305
Frequency in GHz
Level
Limit
Fail


15
14
13
12
11
10
Connector1 in dBi
6.105
6.12
6.14
6.16
6.18
6.2
6.22
6.24
6.26
6.28
6.305
Frequency in GHz
Connector1


5
4
3
2
1
0
Connector1 in dB
6.105
6.12
6.14
6.16
6.18
6.2
6.22
6.24
6.26
6.28
6.305
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6205 MHz; 24.000 dBm; 40 MHz)

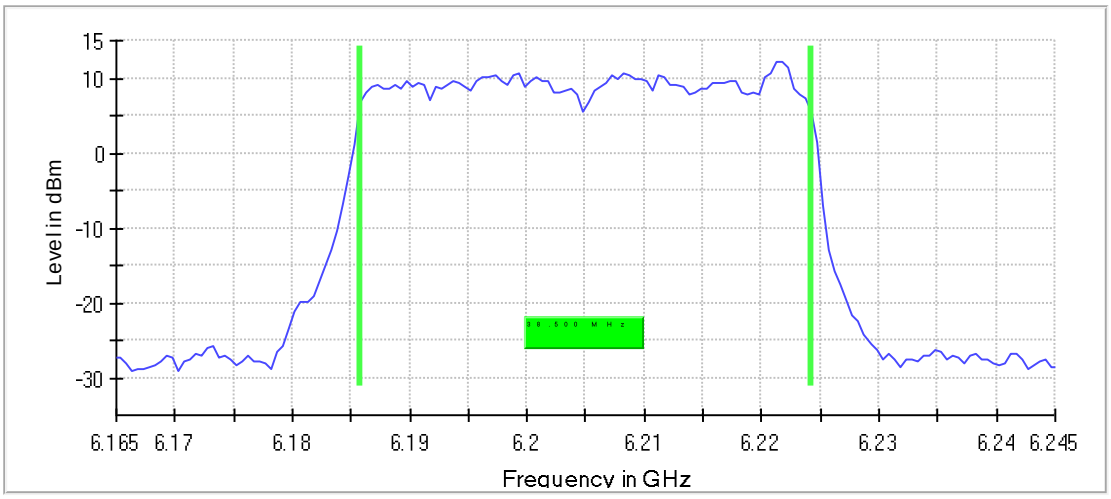
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6205.000000	38.500000	---	320.000000	6185.750000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6205.000000	6224.250000	7125.000000	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.16500 GHz	6.16500 GHz
Stop Frequency	6.24500 GHz	6.24500 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 (6405 MHz; 24.000 dBm; 40 MHz)

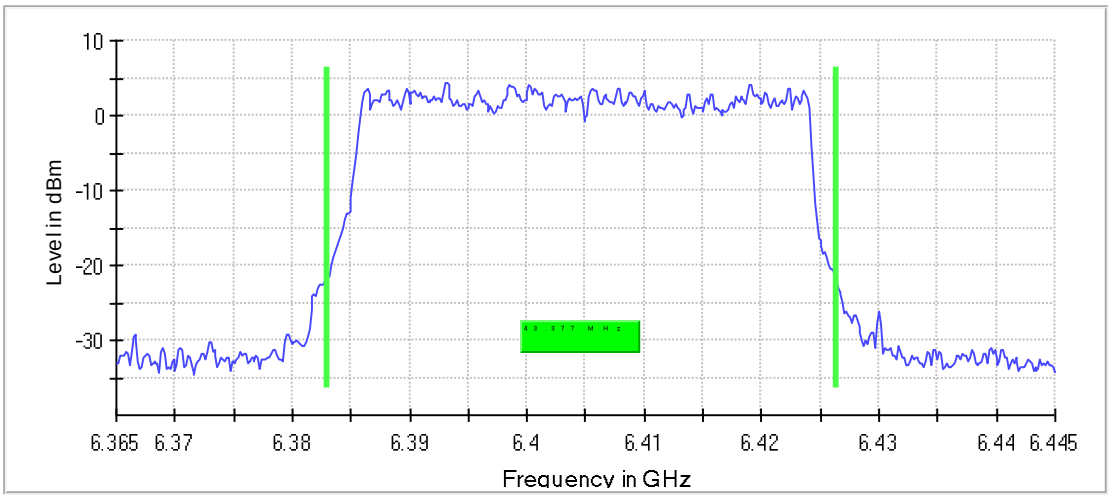
Customized settings.

26 dB Bandwidth

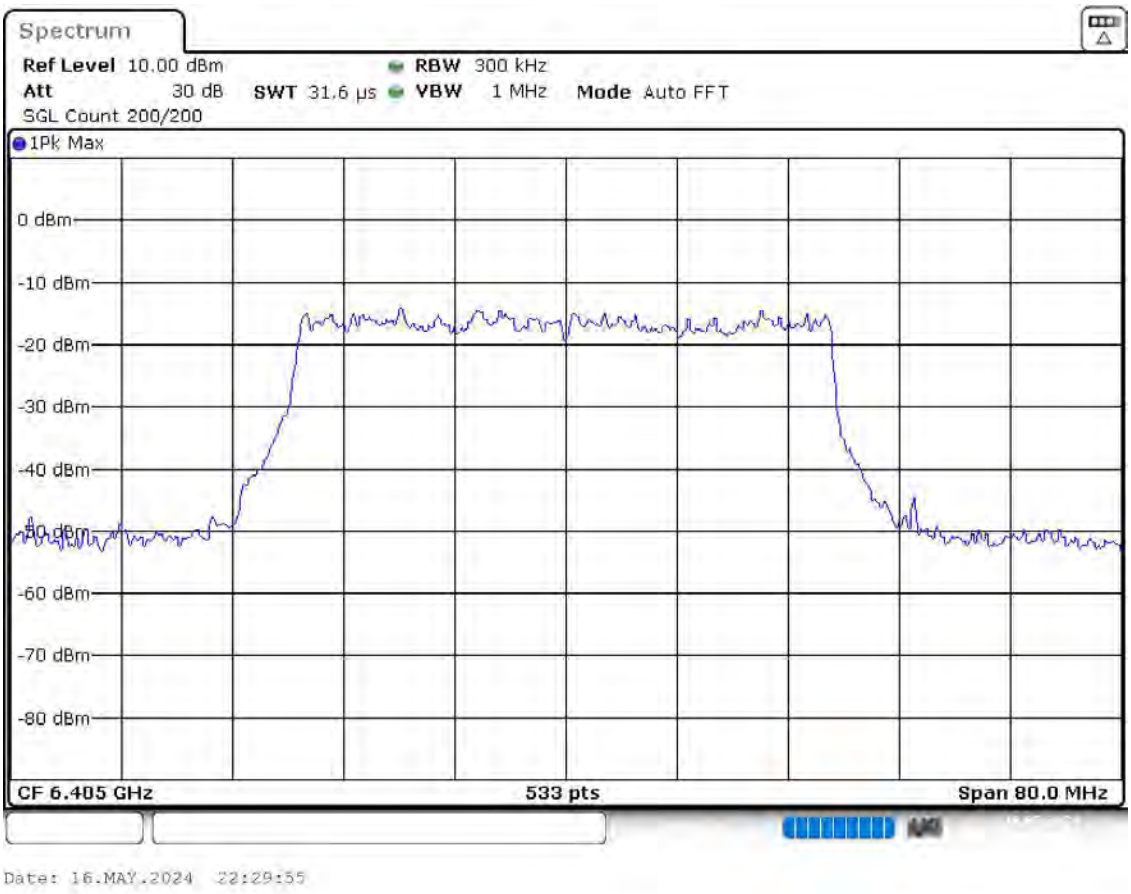
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6405.000000	43.377111	---	320.000000	6382.936210	---

(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
6405.000000	6426.313321	---	4.5	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 6.405 GHz
533 pts
Span 80.0 MHz
Date: 16.MAY.2024 22:29:55

Power Spectral Density (SA-2) (6405 MHz; 24.000 dBm; 40 MHz)

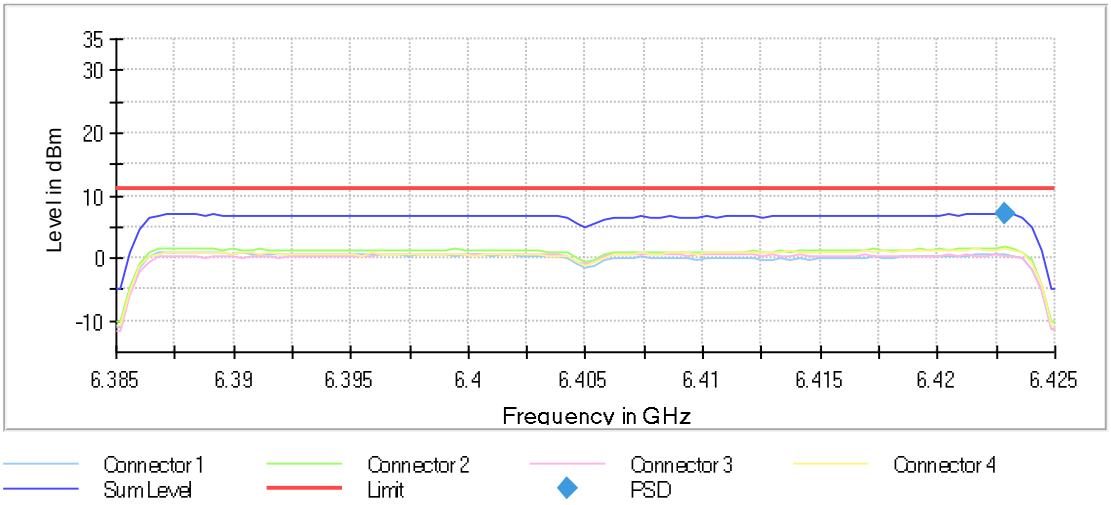
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6405.000000	6422.821782	7.155	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6405 MHz; 24.000 dBm; 40 MHz)

Customized settings.

Result

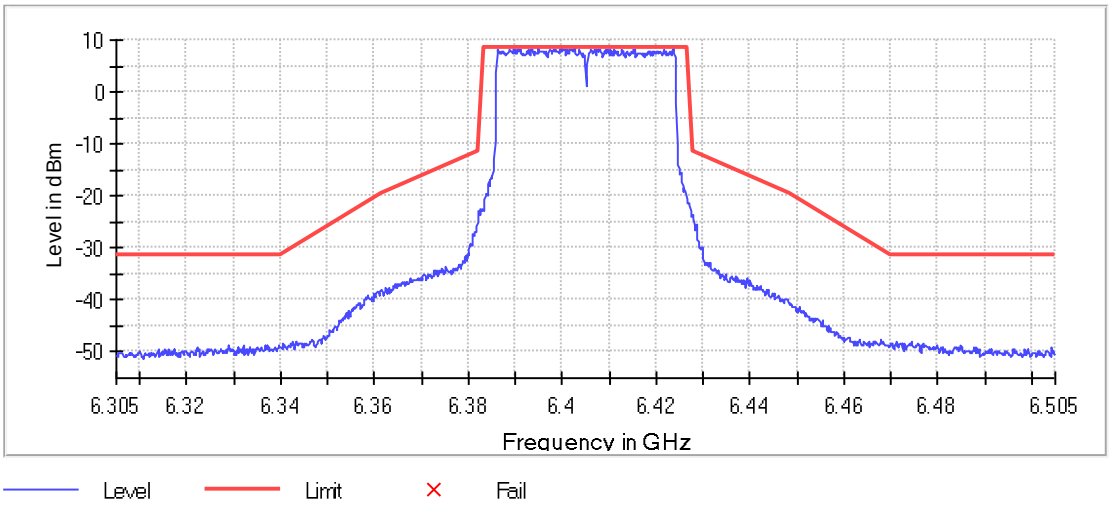
DUT Frequency (MHz)	Result
6405.000000	PASS

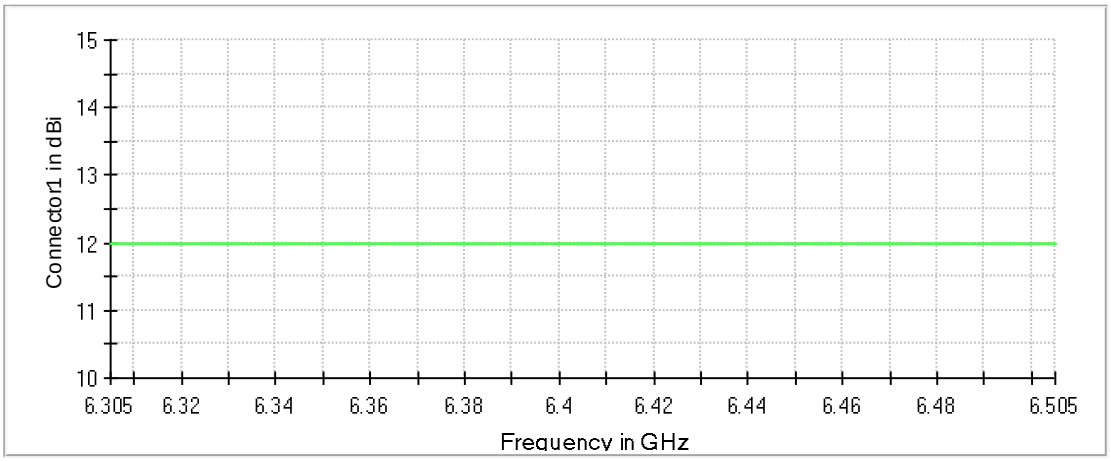
Inband Peak

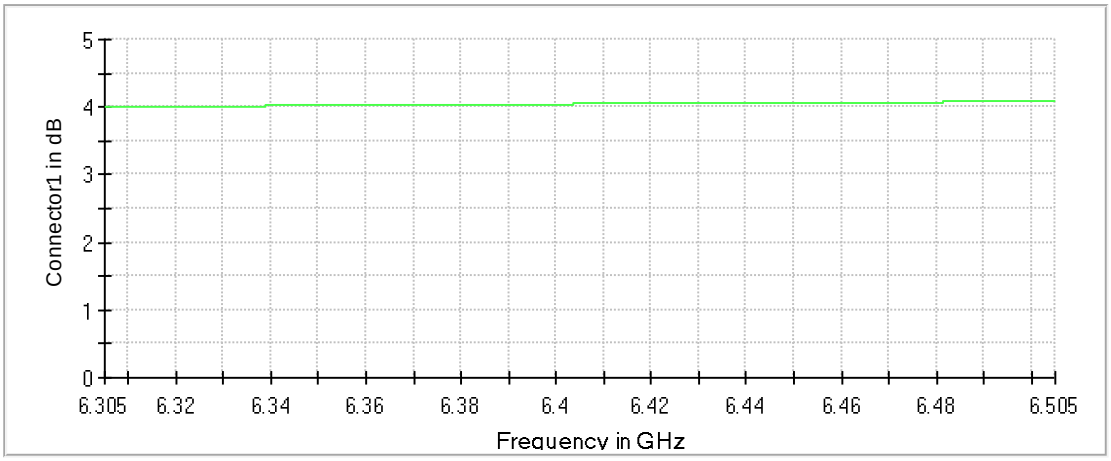
Frequency (MHz)	Level (dBm)
6402.599400	8.5

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6399.748687	8.5	0.0	8.5	PASS
6423.604651	8.5	0.1	8.5	PASS
6394.947487	8.4	0.1	8.5	PASS
6402.749437	8.4	0.2	8.5	PASS
6391.046512	8.3	0.2	8.5	PASS
6421.504126	8.3	0.2	8.5	PASS
6423.754689	8.3	0.3	8.5	PASS
6392.846962	8.3	0.3	8.5	PASS
6406.050263	8.3	0.3	8.5	PASS
6400.348837	8.2	0.3	8.5	PASS
6389.696174	8.2	0.3	8.5	PASS
6389.996249	8.2	0.3	8.5	PASS
6410.251313	8.2	0.3	8.5	PASS
6401.699175	8.2	0.4	8.5	PASS
6390.596399	8.2	0.4	8.5	PASS


10
0
-10
-20
-30
-40
-50
Level in dBm
6.305
6.32
6.34
6.36
6.38
6.4
6.42
6.44
6.46
6.48
6.505
Frequency in GHz
Level
Limit
Fail


15
14
13
12
11
10
Connector1 in dBi
6.305
6.32
6.34
6.36
6.38
6.4
6.42
6.44
6.46
6.48
6.505
Frequency in GHz
Connector1


5
4
3
2
1
0
Connector1 in dB
6.305
6.32
6.34
6.36
6.38
6.4
6.42
6.44
6.46
6.48
6.505
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6405 MHz; 24.000 dBm; 40 MHz)

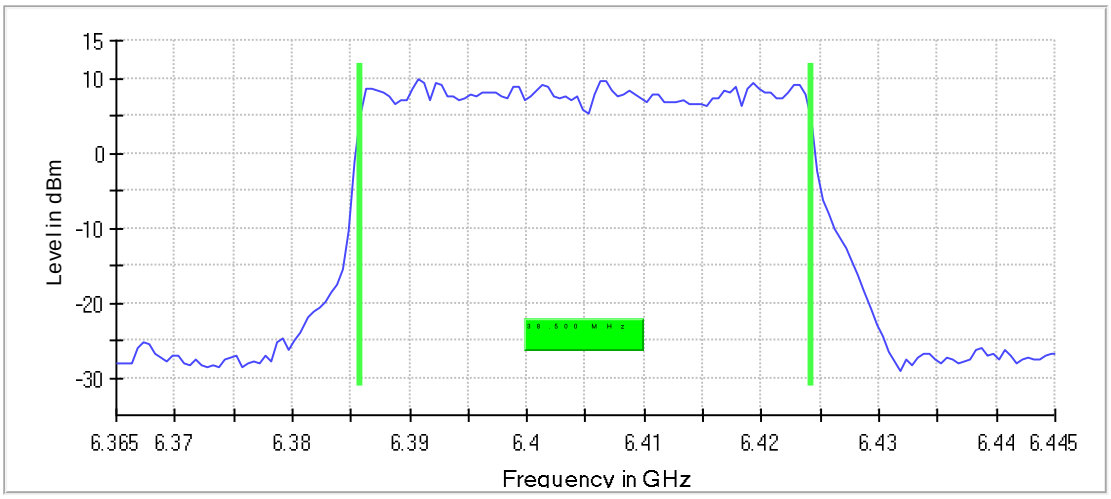
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6405.000000	38.500000	---	320.000000	6385.750000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6405.000000	6424.250000	7125.000000	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.36500 GHz	6.36500 GHz
Stop Frequency	6.44500 GHz	6.44500 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 (5985 MHz; 24.000 dBm; 80 MHz)

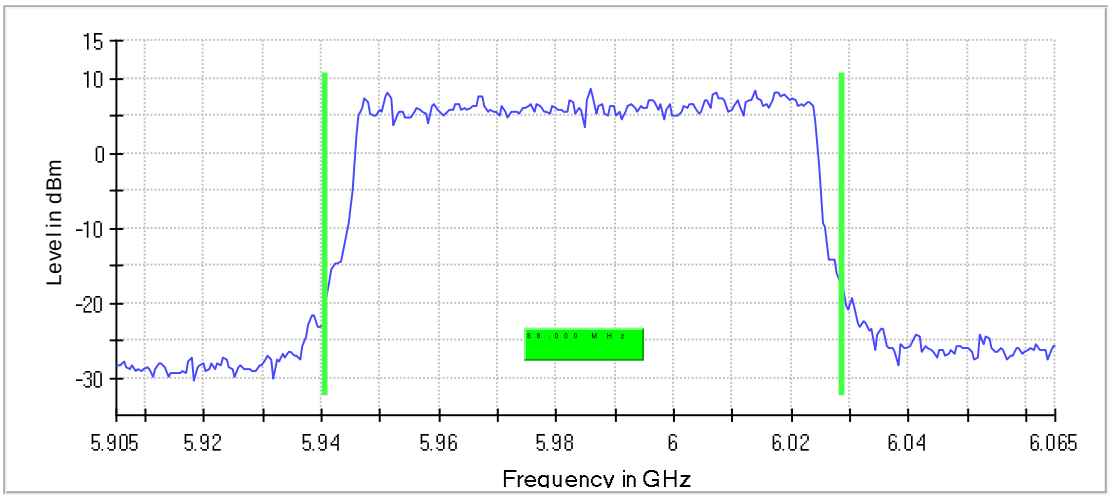
Customized settings.

26 dB Bandwidth

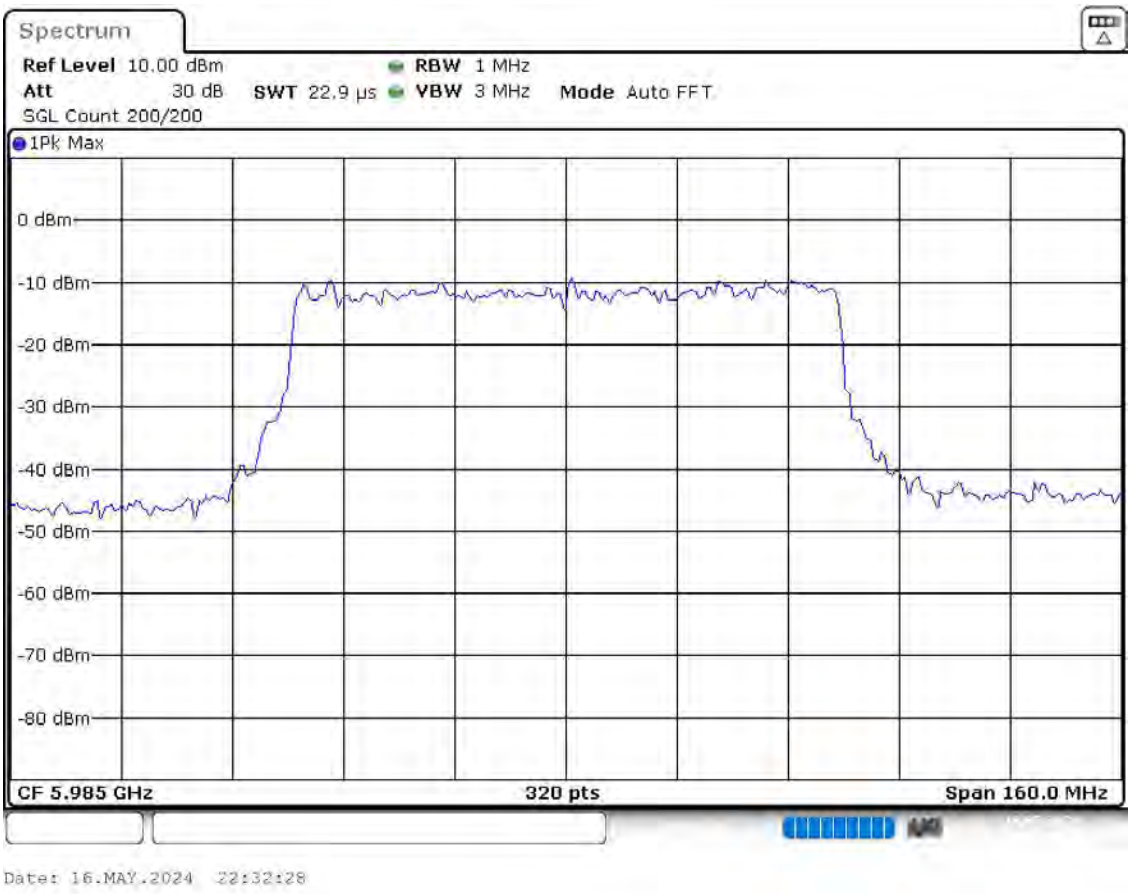
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
5985.000000	88.000000	---	320.000000	5940.750000	---

(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
5985.000000	6028.750000	---	8.6	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 5.985 GHz
320 pts
Span 160.0 MHz
Date: 16.MAY.2024 22:32:28

Power Spectral Density (SA-2) (5985 MHz; 24.000 dBm; 80 MHz)

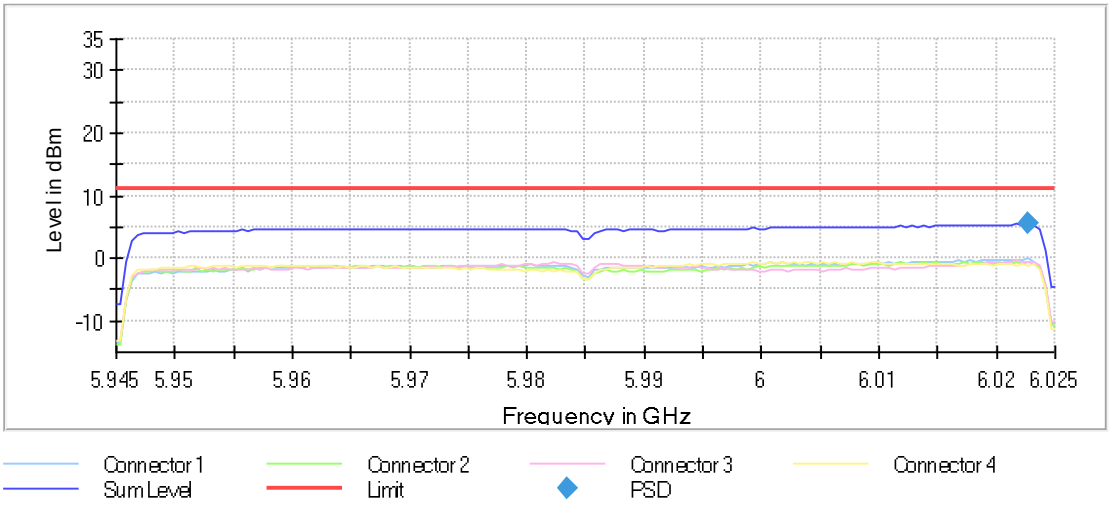
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5985.000000	6022.750000	5.429	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (5985 MHz; 24.000 dBm; 80 MHz)

Customized settings.

Result

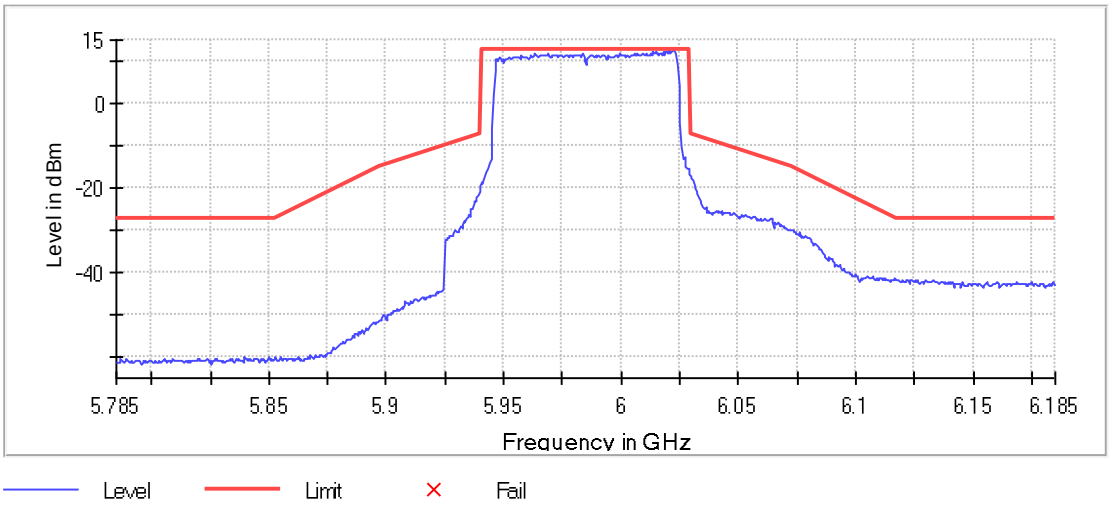
DUT Frequency (MHz)	Result
5985.000000	PASS

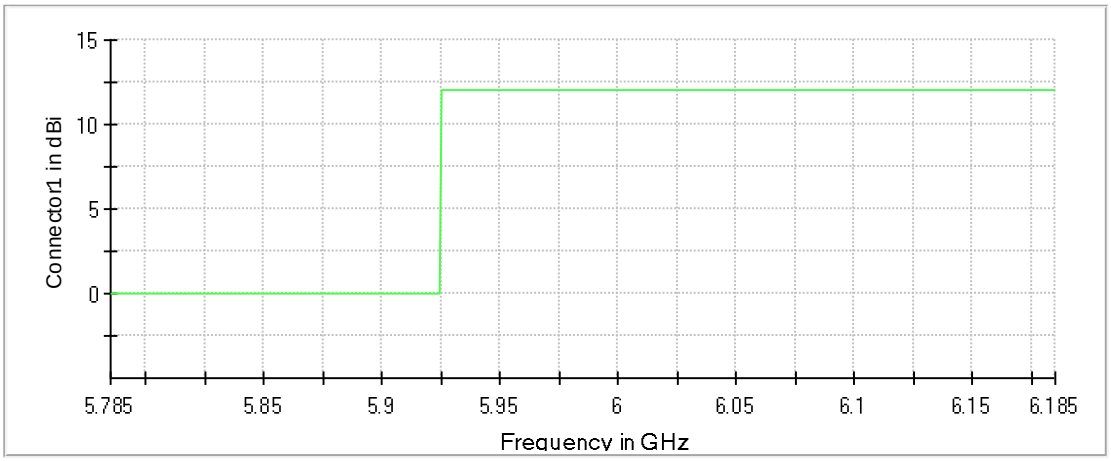
Inband Peak

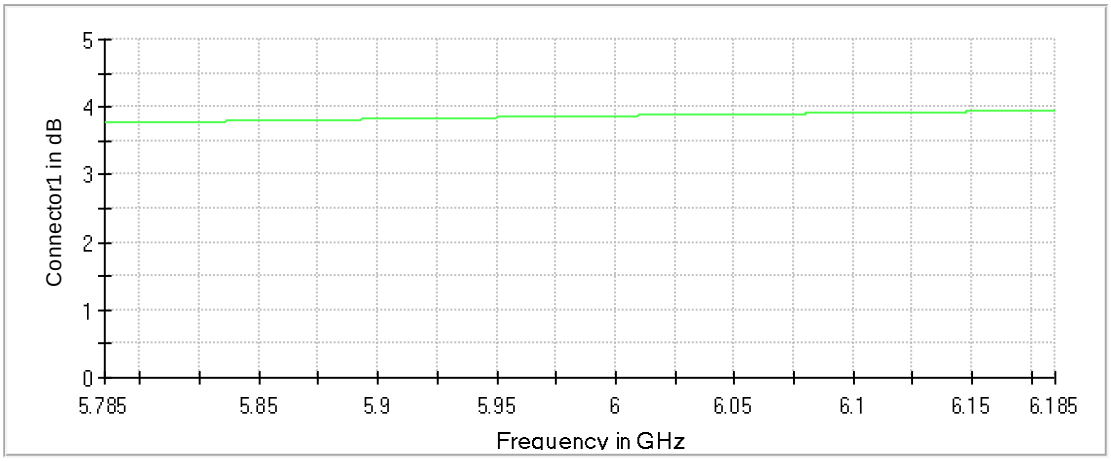
Frequency (MHz)	Level (dBm)
6020.750000	12.9

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6020.750000	12.9	0.0	12.9	PASS
6022.250000	12.7	0.2	12.9	PASS
6022.750000	12.7	0.2	12.9	PASS
6021.750000	12.5	0.4	12.9	PASS
6018.250000	12.4	0.4	12.9	PASS
6019.250000	12.4	0.5	12.9	PASS
6019.750000	12.3	0.6	12.9	PASS
6013.750000	12.2	0.6	12.9	PASS
6014.750000	12.2	0.7	12.9	PASS
6015.750000	12.0	0.8	12.9	PASS
6014.250000	12.0	0.8	12.9	PASS
6023.250000	11.9	0.9	12.9	PASS
6010.750000	11.9	0.9	12.9	PASS
6023.750000	11.9	0.9	12.9	PASS
6021.250000	11.9	1.0	12.9	PASS


15
0
-20
-40
Level in dBm
5.785
5.85
5.9
5.95
6
6.05
6.1
6.15
6.185
Frequency in GHz
Level
Limit
Fail


15
10
5
0
Connector1 in dBi
5.785
5.85
5.9
5.95
6
6.05
6.1
6.15
6.185
Frequency in GHz
Connector1


5
4
3
2
1
0
Connector1 in dB
5.785
5.85
5.9
5.95
6
6.05
6.1
6.15
6.185
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (5985 MHz; 24.000 dBm; 80 MHz)

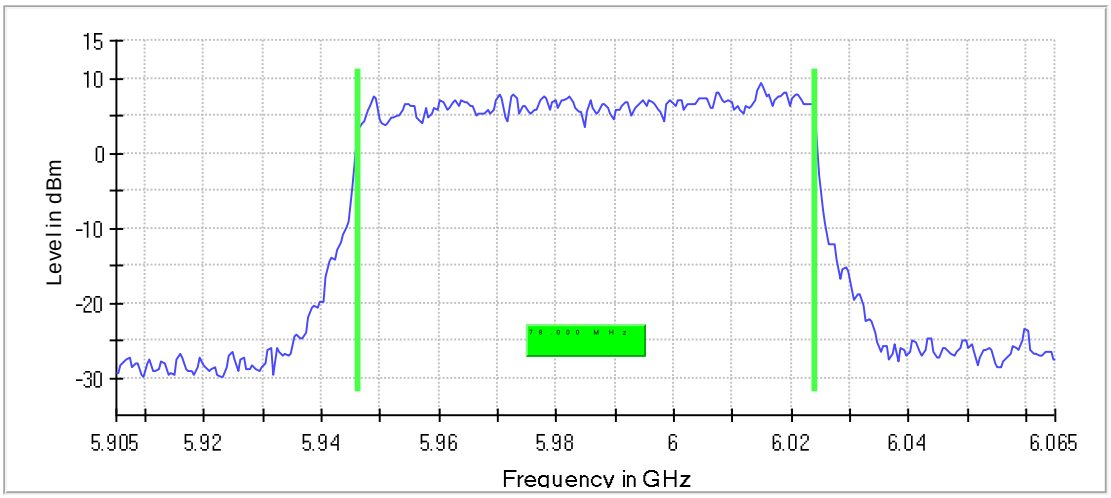
Customized settings.

99 % Bandwidth

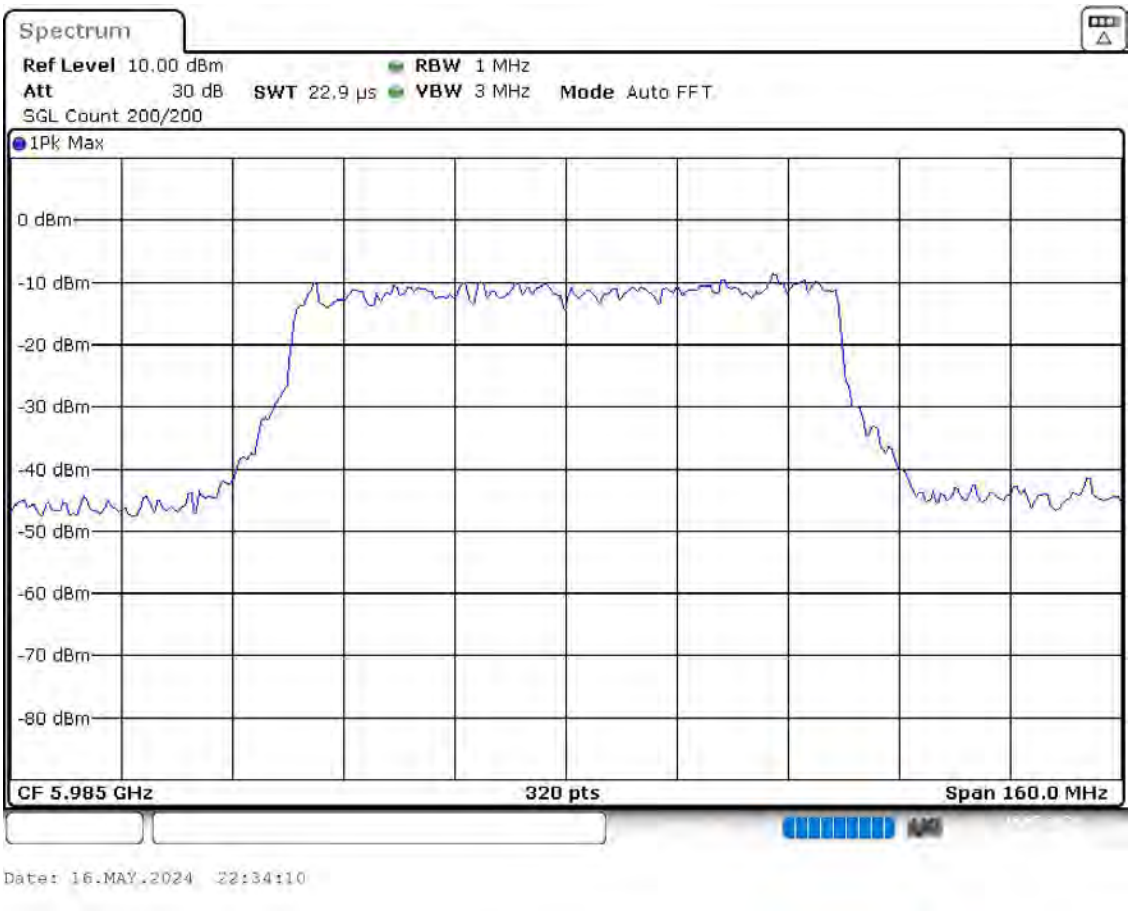
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
5985.000000	78.000000	---	320.000000	5946.250000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
5985.000000	6024.250000	7125.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.90500 GHz	5.90500 GHz
Stop Frequency	6.06500 GHz	6.06500 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	>= 800.000 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	320	~ 320
Sweeptime	22.875 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 (6225 MHz; 24.000 dBm; 80 MHz)

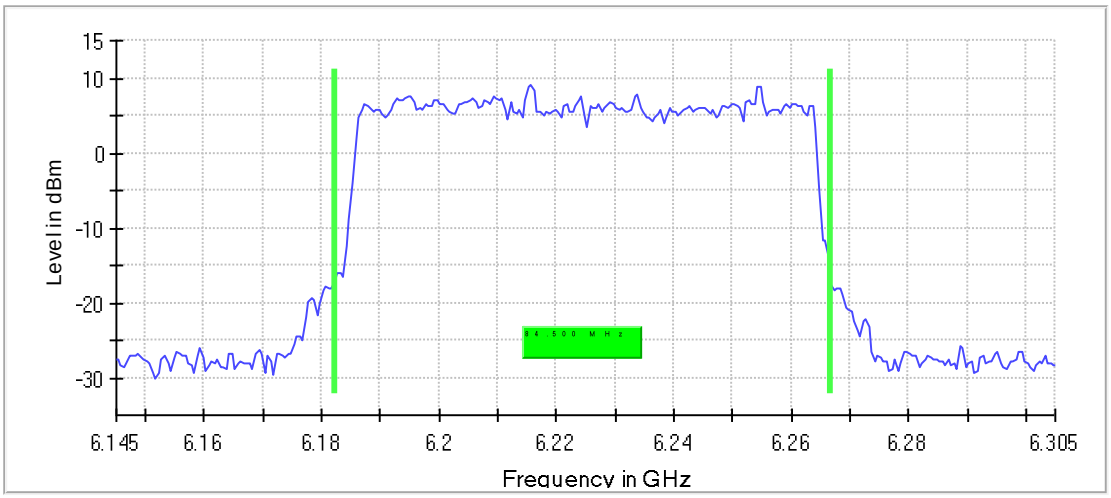
Customized settings.

26 dB Bandwidth

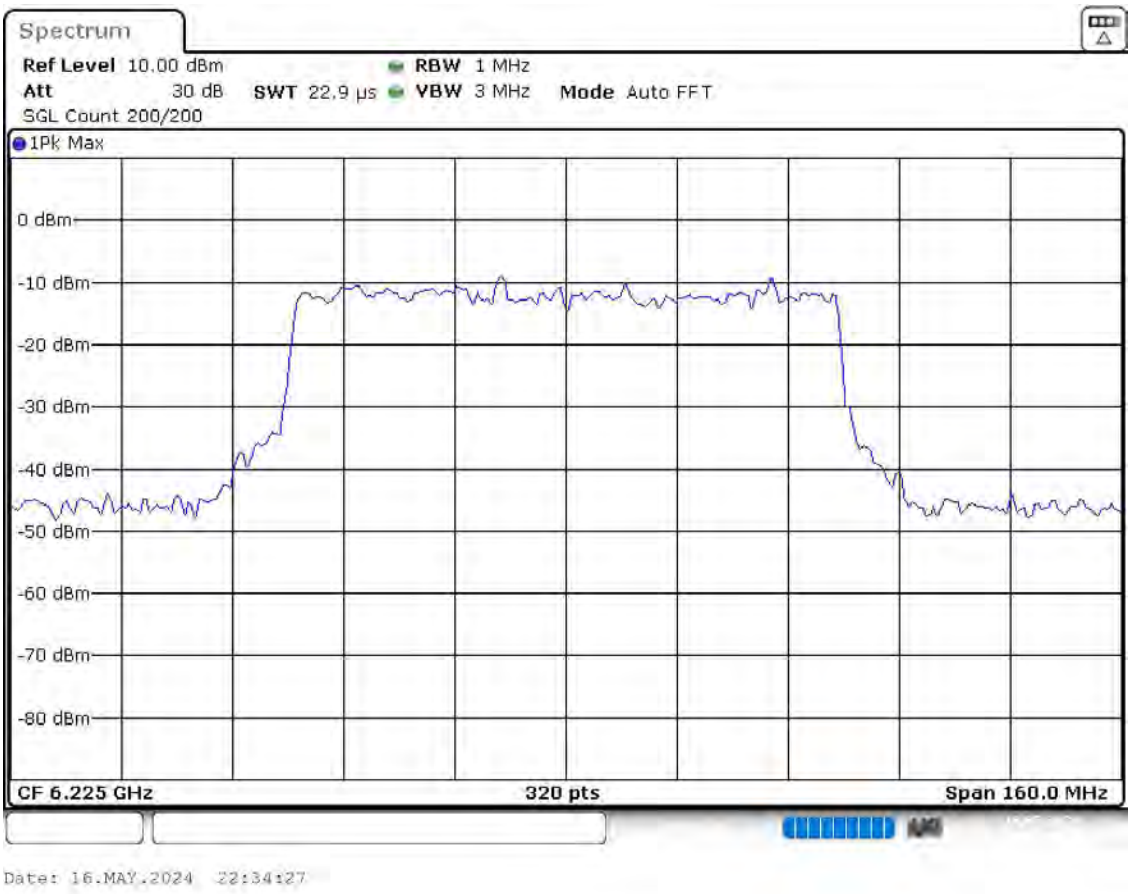
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6225.000000	84.500000	---	320.000000	6182.250000	---

(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
6225.000000	6266.750000	---	9.1	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 6.225 GHz
320 pts
Span 160.0 MHz
Date: 16.MAY.2024 22:34:27

Power Spectral Density (SA-2) (6225 MHz; 24.000 dBm; 80 MHz)

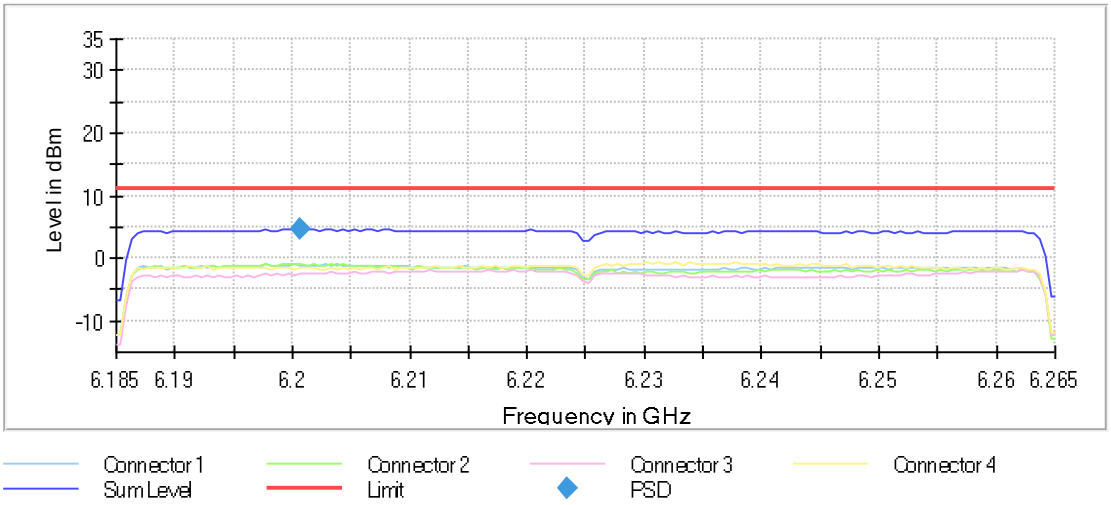
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6225.000000	6200.750000	4.559	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6225 MHz; 24.000 dBm; 80 MHz)

Customized settings.

Result

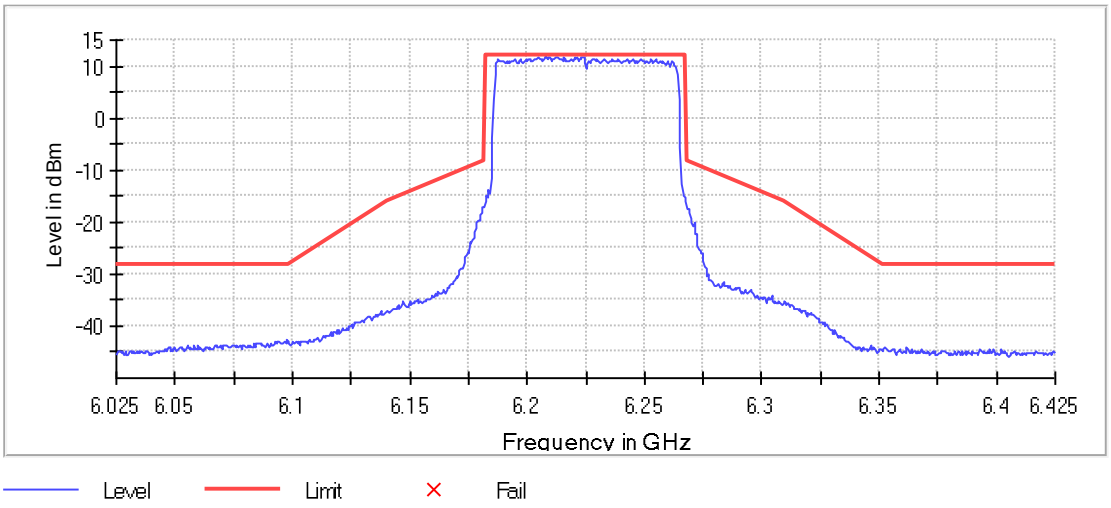
DUT Frequency (MHz)	Result
6225.000000	PASS

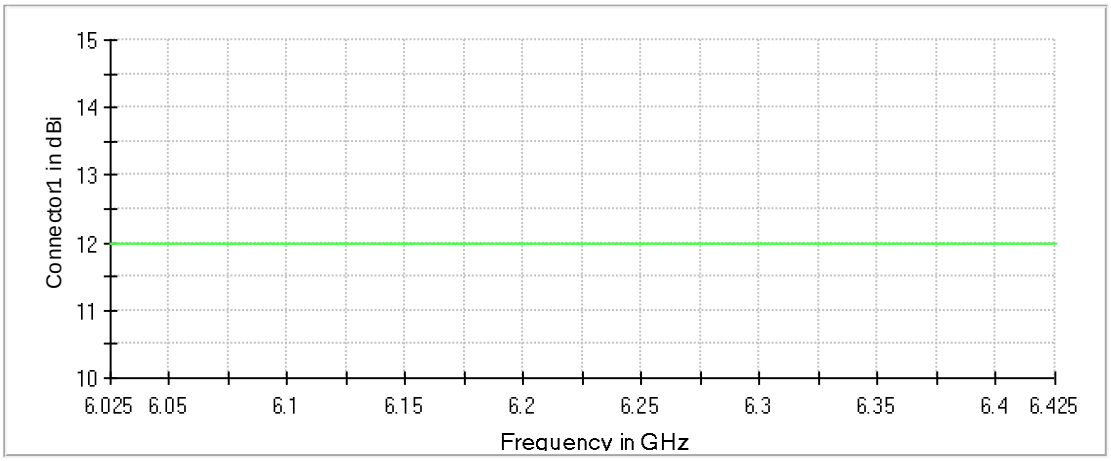
Inband Peak

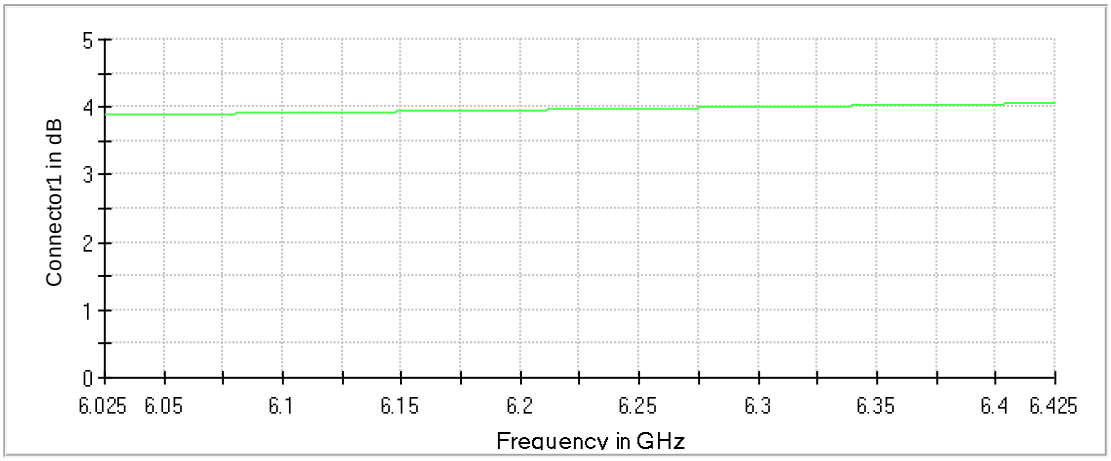
Frequency (MHz)	Level (dBm)
6207.750000	11.9

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6207.750000	11.9	0.0	11.9	PASS
6213.250000	11.8	0.0	11.9	PASS
6212.250000	11.8	0.1	11.9	PASS
6223.250000	11.7	0.2	11.9	PASS
6224.250000	11.7	0.2	11.9	PASS
6209.750000	11.7	0.2	11.9	PASS
6223.750000	11.7	0.2	11.9	PASS
6208.250000	11.7	0.2	11.9	PASS
6204.750000	11.6	0.2	11.9	PASS
6221.250000	11.6	0.2	11.9	PASS
6209.250000	11.6	0.3	11.9	PASS
6215.750000	11.6	0.3	11.9	PASS
6220.250000	11.6	0.3	11.9	PASS
6212.750000	11.5	0.3	11.9	PASS
6229.750000	11.5	0.4	11.9	PASS


15
10
0
-10
-20
-30
-40
Level in dBm
6.025
6.05
6.1
6.15
6.2
6.25
6.3
6.35
6.4
6.425
Frequency in GHz
Level
Limit
Fail


15
14
13
12
11
10
Connector1 in dBi
6.025
6.05
6.1
6.15
6.2
6.25
6.3
6.35
6.4
6.425
Frequency in GHz
Connector1


5
4
3
2
1
0
Connector1 in dB
6.025
6.05
6.1
6.15
6.2
6.25
6.3
6.35
6.4
6.425
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6225 MHz; 24.000 dBm; 80 MHz)

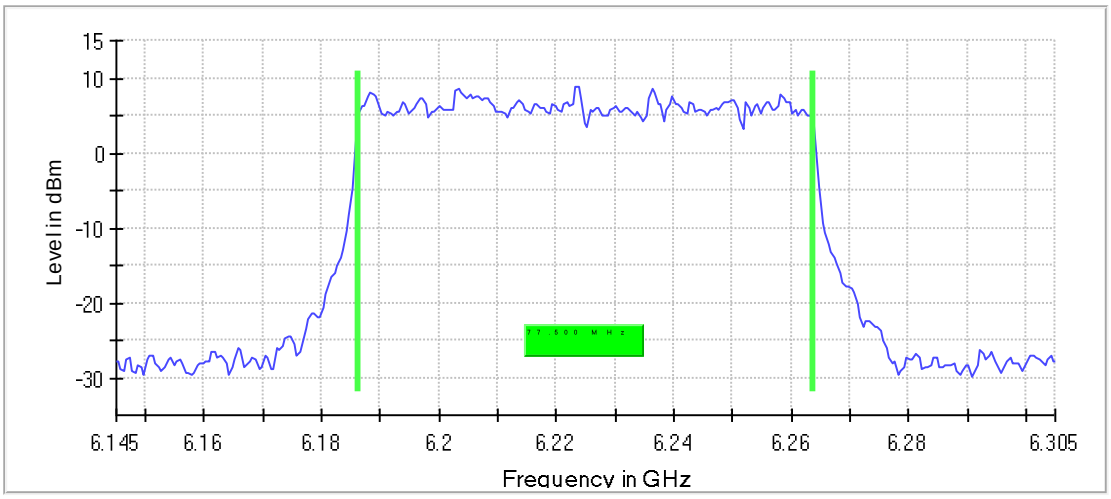
Customized settings.

99 % Bandwidth

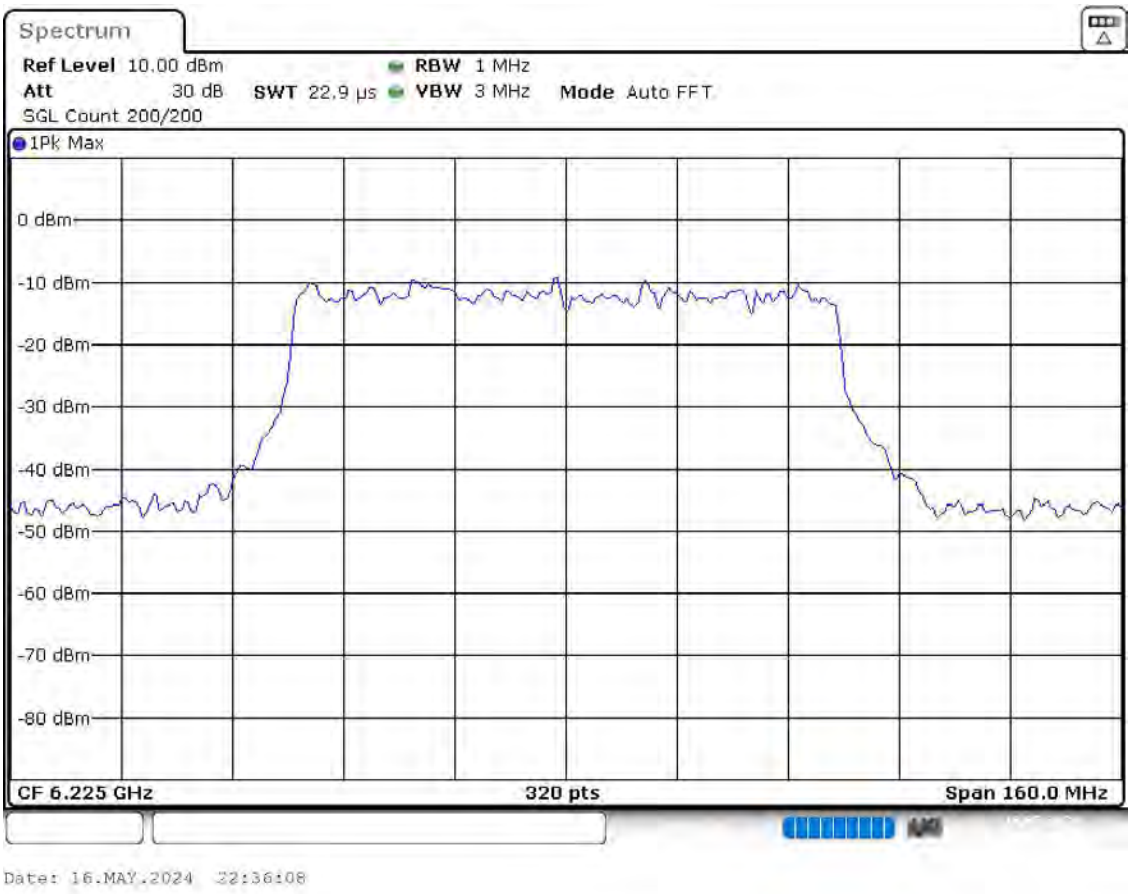
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6225.000000	77.500000	---	320.000000	6186.250000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6225.000000	6263.750000	7125.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.14500 GHz	6.14500 GHz
Stop Frequency	6.30500 GHz	6.30500 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	>= 800.000 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	320	~ 320
Sweeptime	22.875 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 (6385 MHz; 24.000 dBm; 80 MHz)

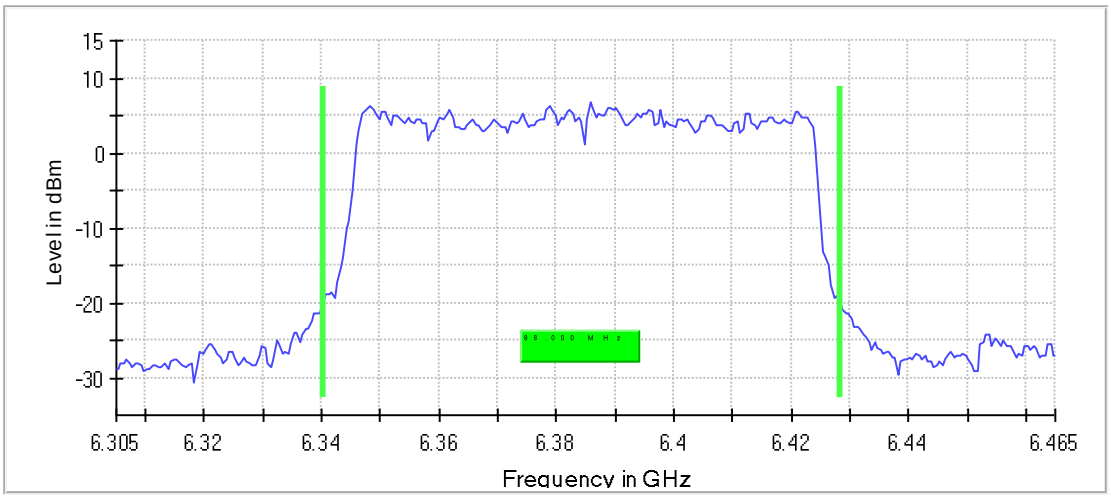
Customized settings.

26 dB Bandwidth

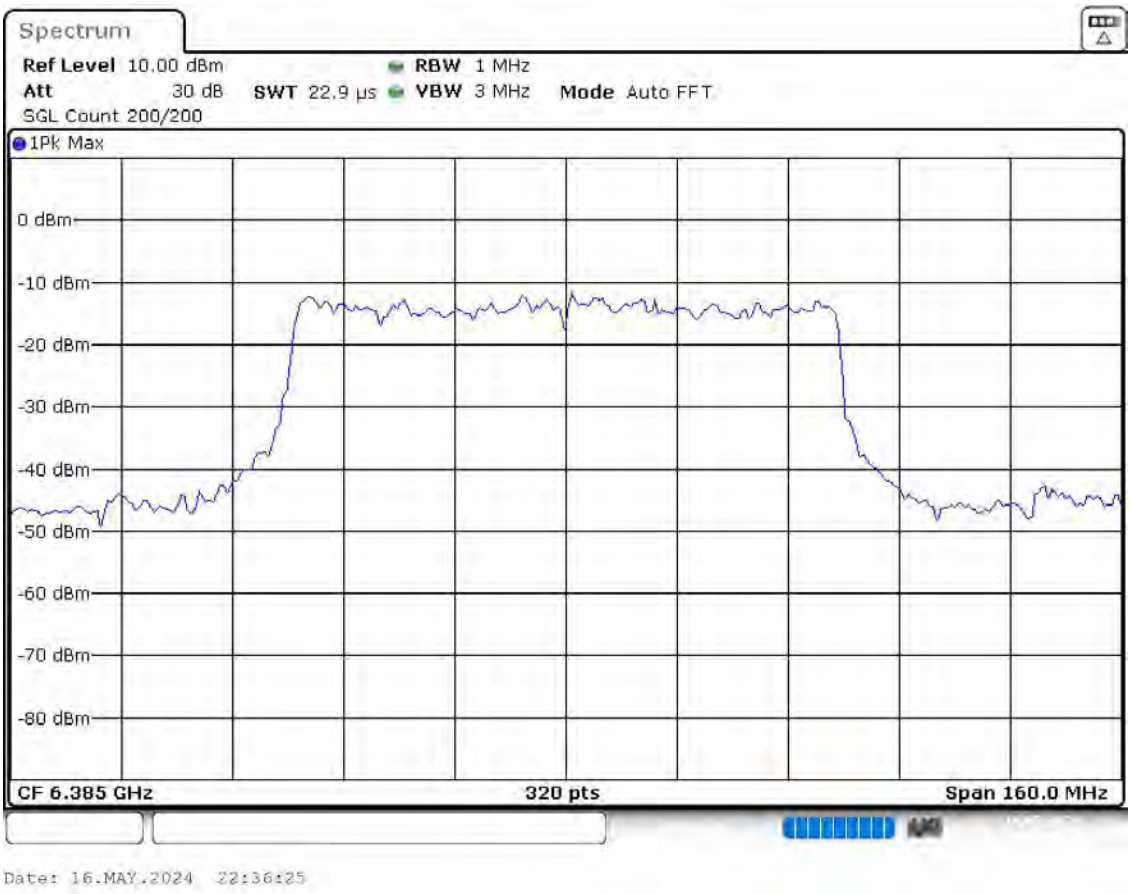
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6385.000000	88.000000	---	320.000000	6340.250000	---

(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
6385.000000	6428.250000	---	6.9	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 6.385 GHz
320 pts
Span 160.0 MHz
Date: 16.MAY.2024 22:36:25

Power Spectral Density (SA-2) (6385 MHz; 24.000 dBm; 80 MHz)

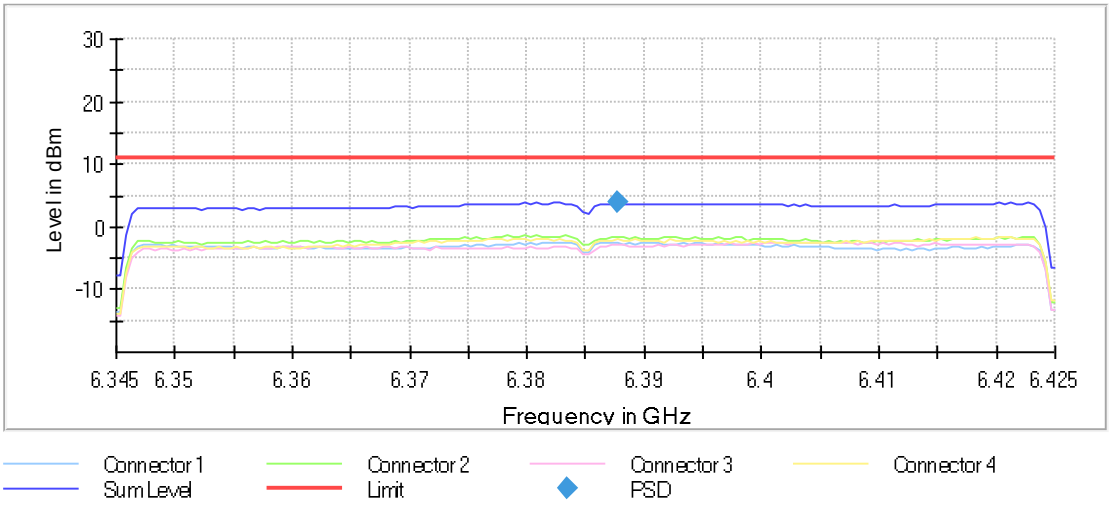
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6385.000000	6387.750000	3.859	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6385 MHz; 24.000 dBm; 80 MHz)

Customized settings.

Result

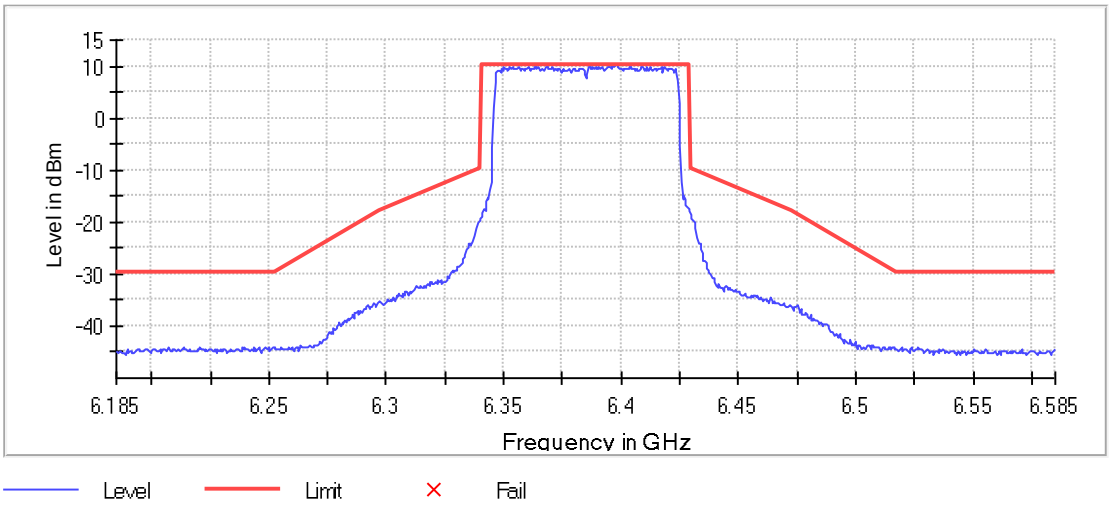
DUT Frequency (MHz)	Result
6385.000000	PASS

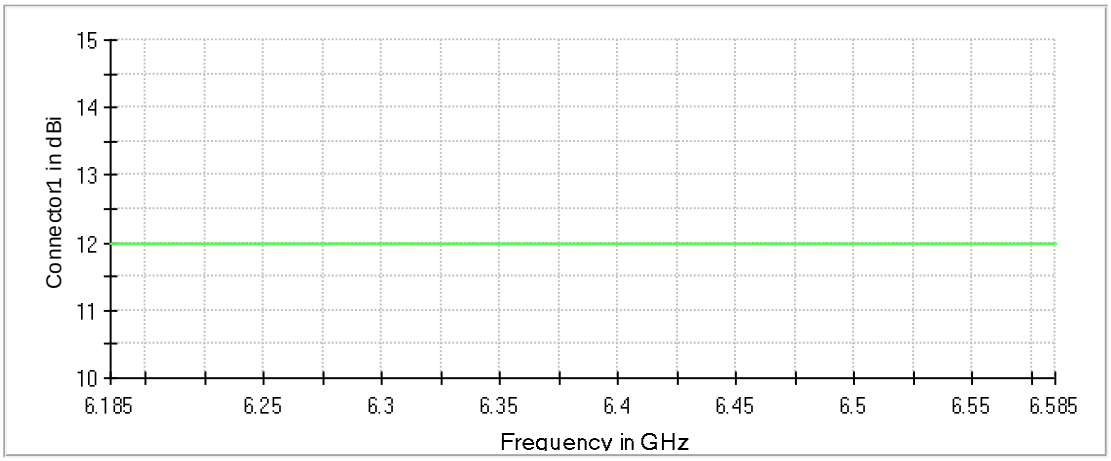
Inband Peak

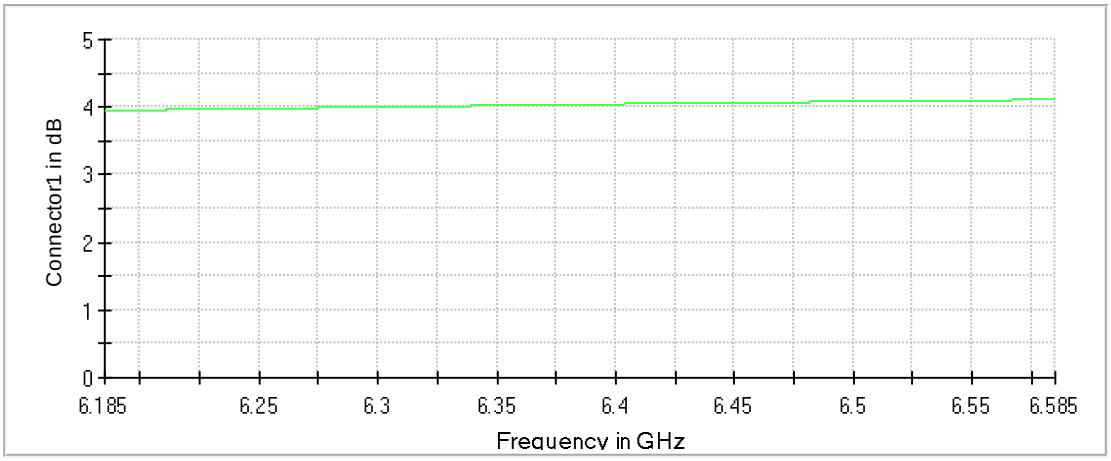
Frequency (MHz)	Level (dBm)
6397.750000	10.2

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6396.250000	10.2	0.1	10.2	PASS
6398.250000	10.1	0.1	10.2	PASS
6368.750000	10.0	0.3	10.2	PASS
6368.250000	10.0	0.3	10.2	PASS
6391.750000	10.0	0.3	10.2	PASS
6398.750000	9.9	0.3	10.2	PASS
6418.250000	9.9	0.3	10.2	PASS
6396.750000	9.9	0.3	10.2	PASS
6356.250000	9.9	0.3	10.2	PASS
6356.750000	9.9	0.3	10.2	PASS
6389.250000	9.9	0.4	10.2	PASS
6390.750000	9.9	0.4	10.2	PASS
6360.750000	9.9	0.4	10.2	PASS
6353.750000	9.9	0.4	10.2	PASS
6417.250000	9.9	0.4	10.2	PASS


15
10
0
-10
-20
-30
-40
Level in dBm
6.185
6.25
6.3
6.35
6.4
6.45
6.5
6.55
6.585
Frequency in GHz
Level
Limit
Fail


15
14
13
12
11
10
Connector1 in dBi
6.185
6.25
6.3
6.35
6.4
6.45
6.5
6.55
6.585
Frequency in GHz
Connector1


5
4
3
2
1
0
Connector1 in dB
6.185
6.25
6.3
6.35
6.4
6.45
6.5
6.55
6.585
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6385 MHz; 24.000 dBm; 80 MHz)

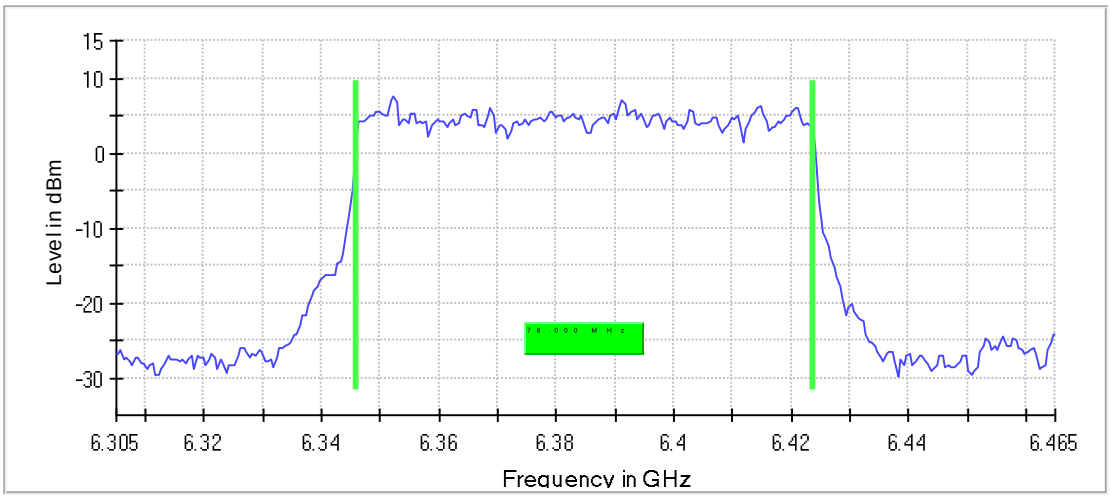
Customized settings.

99 % Bandwidth

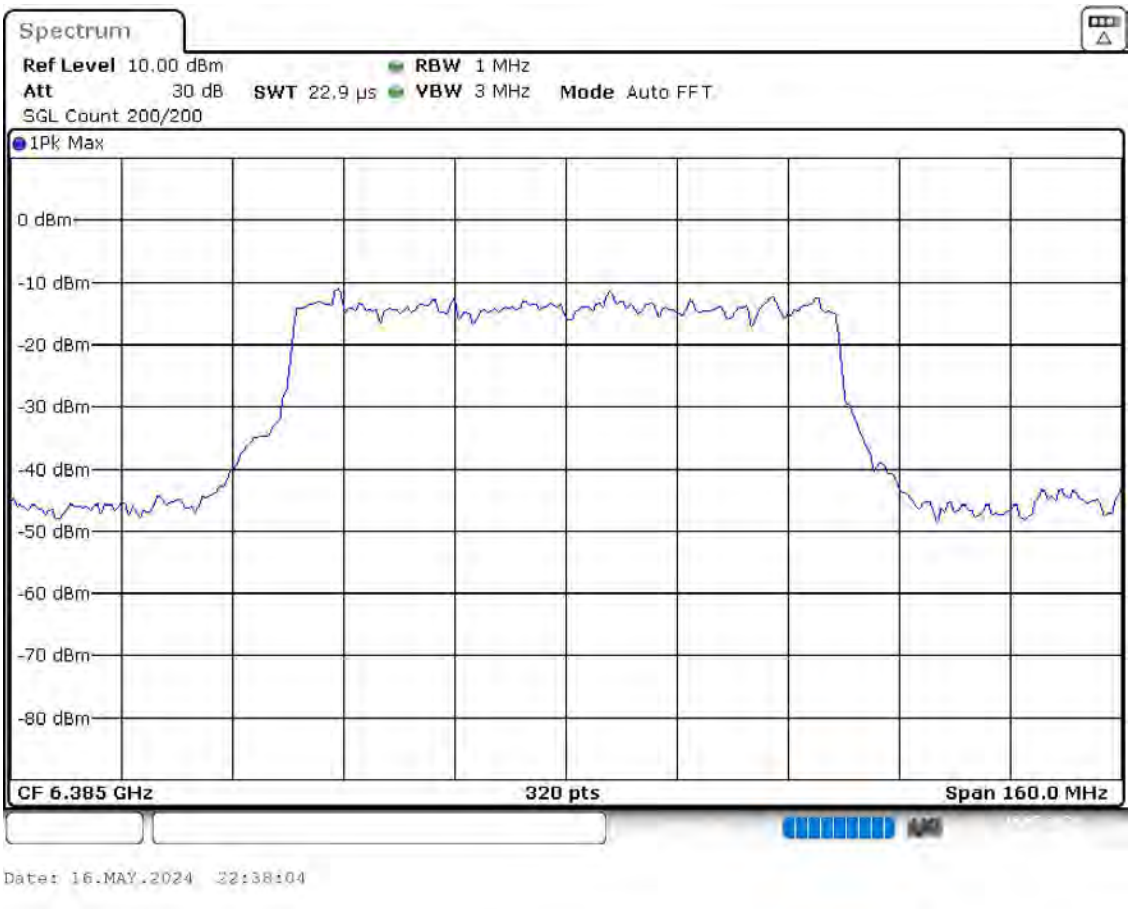
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6385.000000	78.000000	---	320.000000	6345.750000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6385.000000	6423.750000	7125.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.30500 GHz	6.30500 GHz
Stop Frequency	6.46500 GHz	6.46500 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	>= 800.000 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	320	~ 320
Sweeptime	22.875 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 (6025 MHz; 24.000 dBm; 160 MHz)

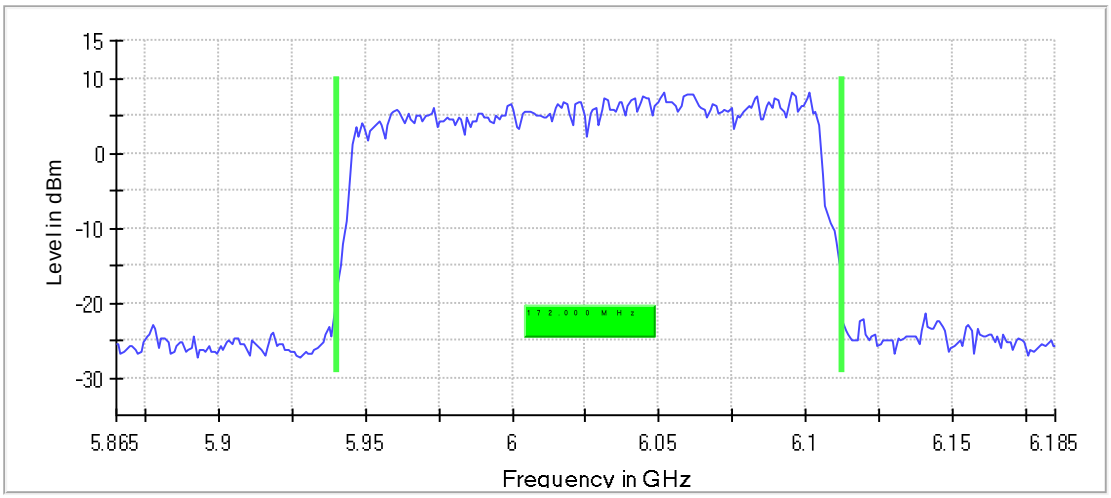
Customized settings.

26 dB Bandwidth

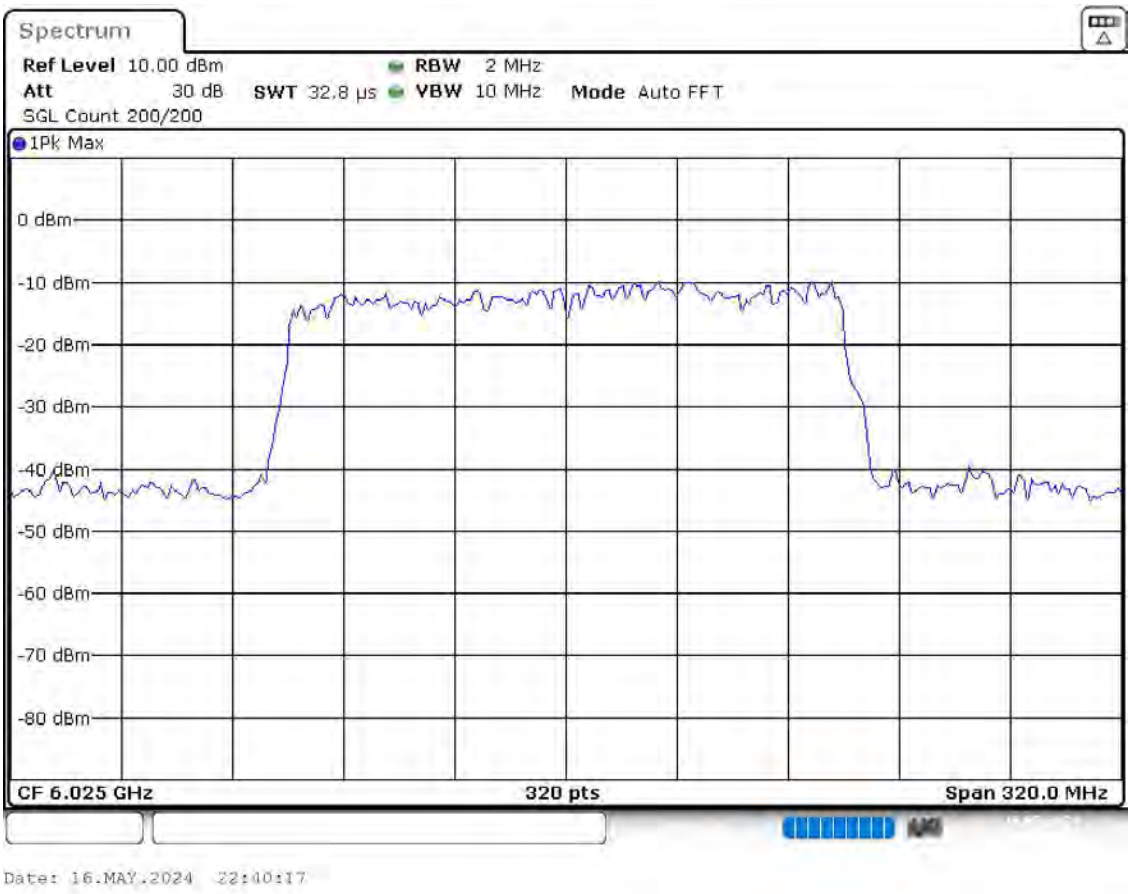
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6025.000000	172.000000	---	320.000000	5940.500000	---

(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
6025.000000	6112.500000	---	8.1	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 6.025 GHz
320 pts
Span 320.0 MHz
Date: 16.MAY.2024 22:40:17

Power Spectral Density (SA-2) (6025 MHz; 24.000 dBm; 160 MHz)

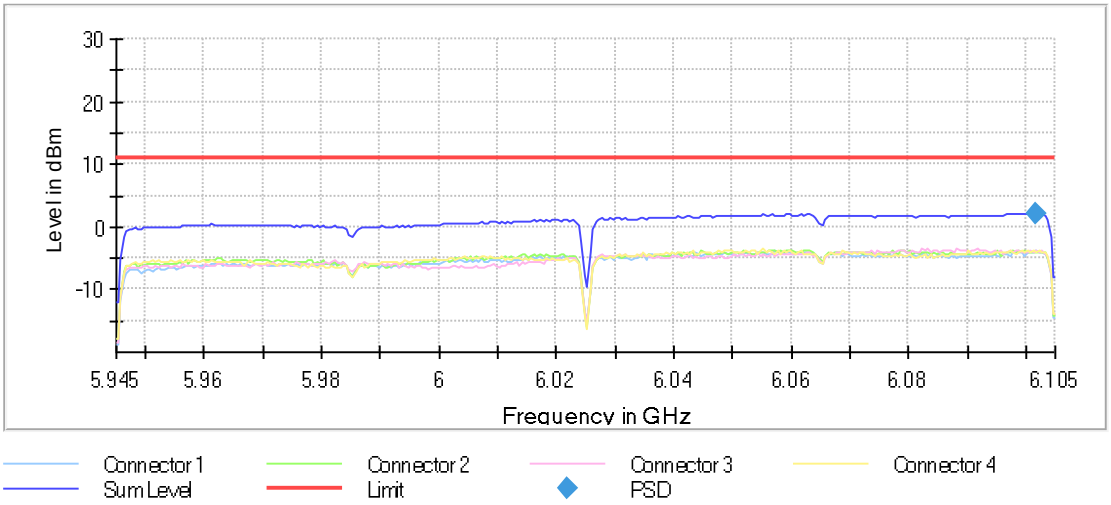
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6025.000000	6101.750000	2.136	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6025 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

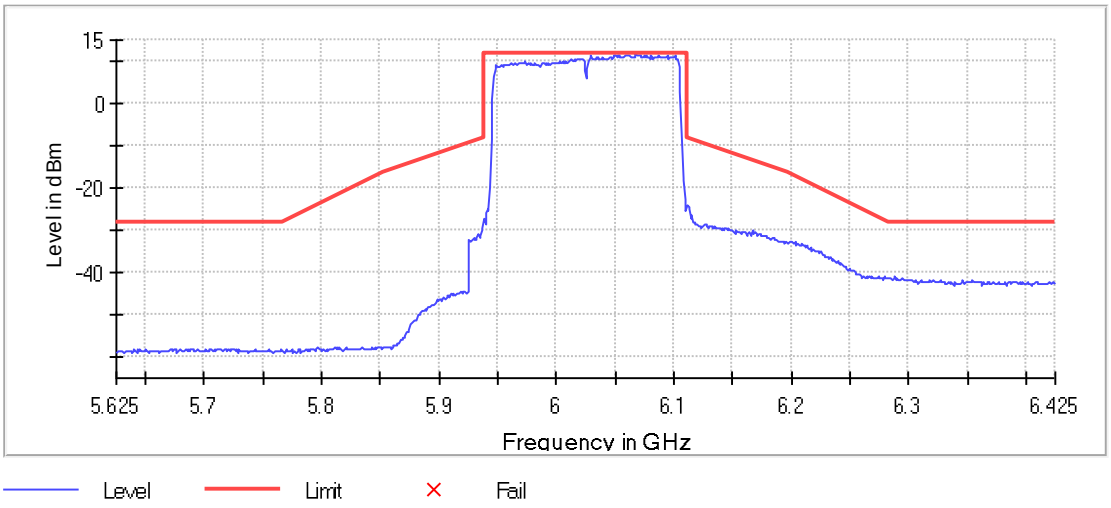
DUT Frequency (MHz)	Result
6025.000000	PASS

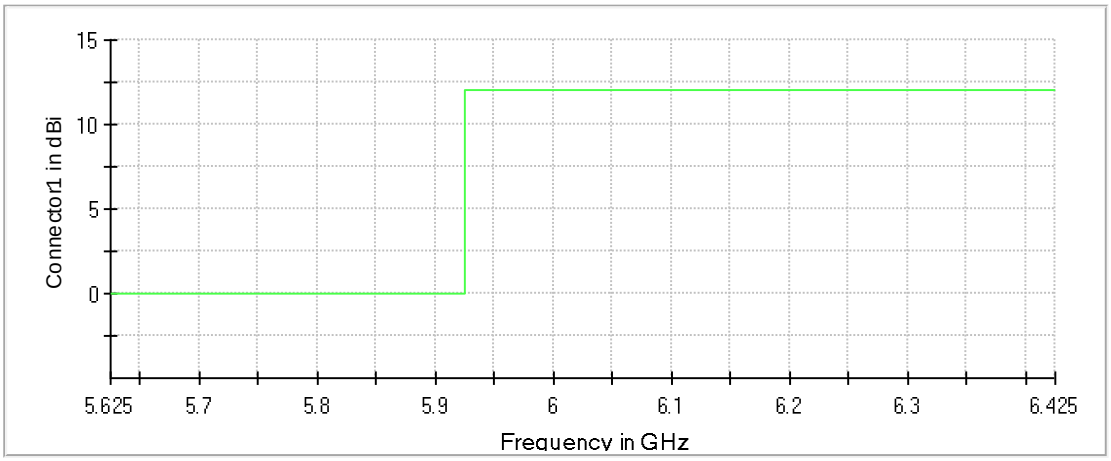
Inband Peak

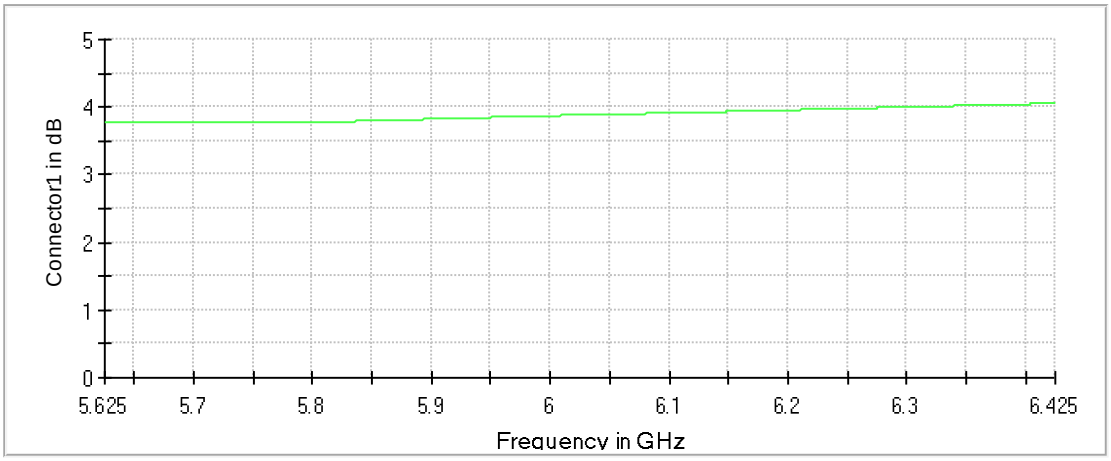
Frequency (MHz)	Level (dBm)
6067.500000	11.7

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6062.500000	11.5	0.1	11.7	PASS
6059.500000	11.4	0.2	11.7	PASS
6068.500000	11.4	0.3	11.7	PASS
6058.500000	11.4	0.3	11.7	PASS
6069.500000	11.4	0.3	11.7	PASS
6070.500000	11.3	0.3	11.7	PASS
6061.500000	11.3	0.3	11.7	PASS
6087.500000	11.3	0.4	11.7	PASS
6060.500000	11.3	0.4	11.7	PASS
6050.500000	11.2	0.4	11.7	PASS
6053.500000	11.2	0.4	11.7	PASS
6071.500000	11.2	0.4	11.7	PASS
6076.500000	11.2	0.5	11.7	PASS
6049.500000	11.2	0.5	11.7	PASS
6094.500000	11.2	0.5	11.7	PASS


15
0
-20
-40
Level in dBm
5.625
5.7
5.8
5.9
6
6.1
6.2
6.3
6.425
Frequency in GHz
Level
Limit
Fail


15
10
5
0
Connector1 in dBi
5.625
5.7
5.8
5.9
6
6.1
6.2
6.3
6.425
Frequency in GHz
Connector1


5
4
3
2
1
0
Connector1 in dB
5.625
5.7
5.8
5.9
6
6.1
6.2
6.3
6.425
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6025 MHz; 24.000 dBm; 160 MHz)

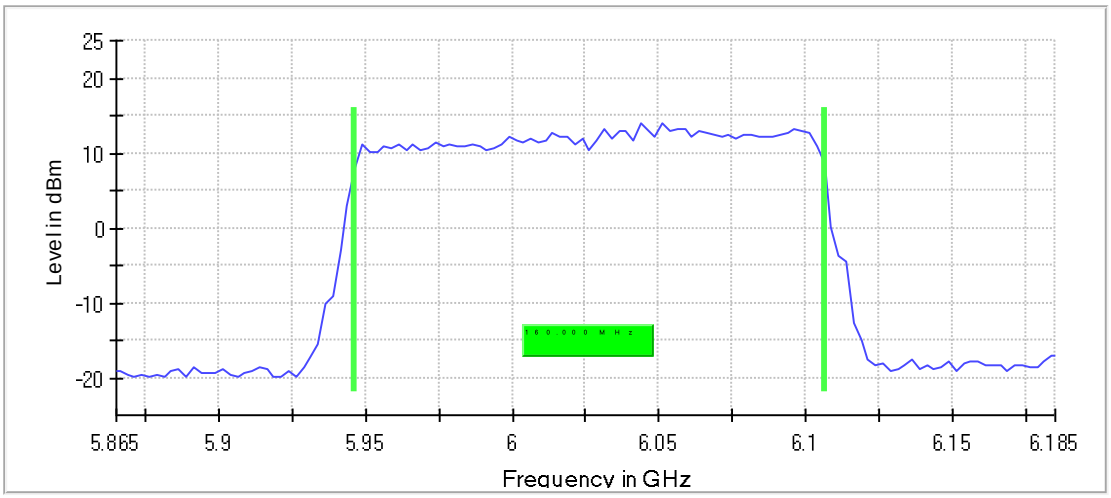
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6025.000000	160.000000	---	320.000000	5946.250000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6025.000000	6106.250000	7125.000000	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.86500 GHz	5.86500 GHz
Stop Frequency	6.18500 GHz	6.18500 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 (6025 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6025.000000	PASS

Final measurements

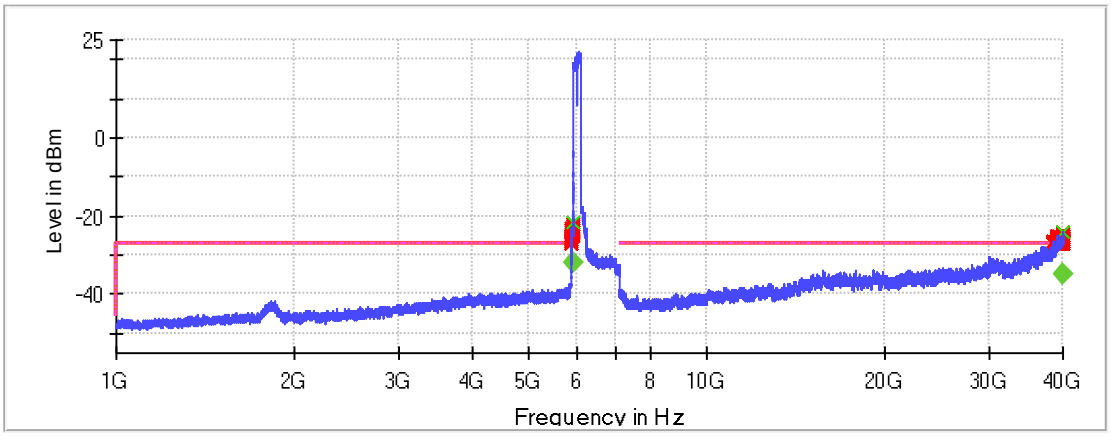
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
5914.750000	-21.7	-32.2	-27.0	5.2	PASS
39996.750000	-24.2	-34.8	-27.0	7.8	PASS

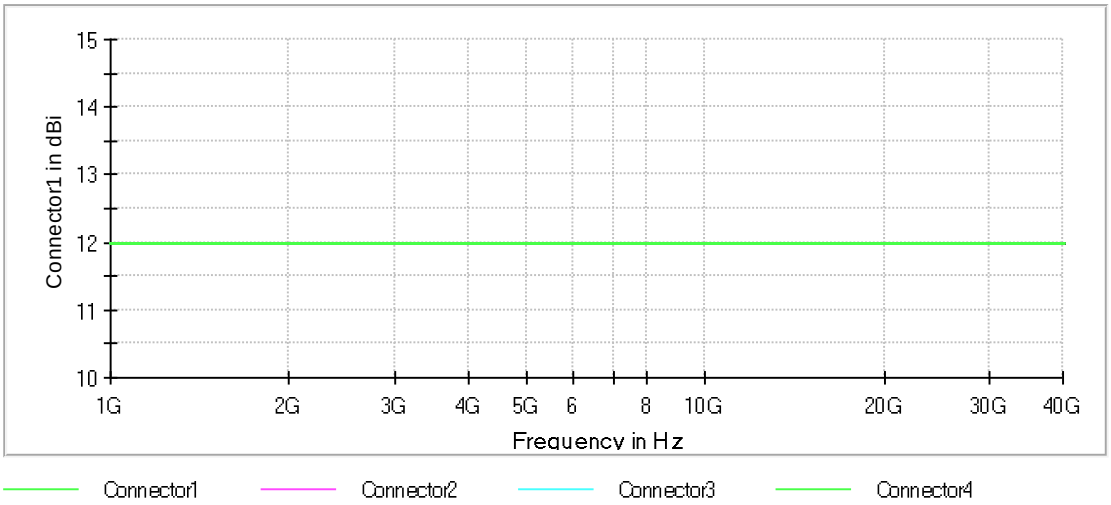
Pre Measurements

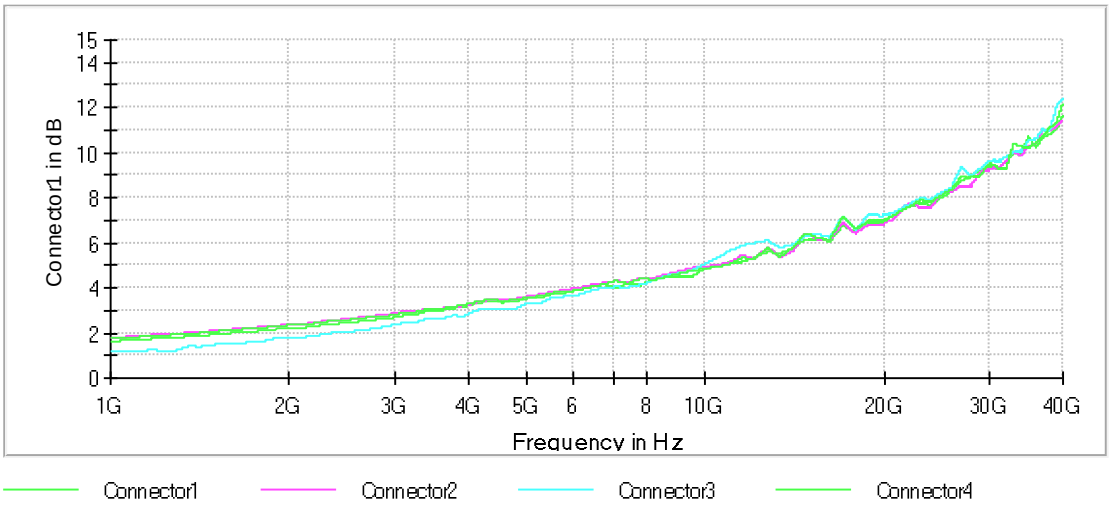
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5914.750000	-21.7	-5.3	-27.0
5919.250000	-22.1	-4.9	-27.0
5924.750000	-22.2	-4.8	-27.0
5918.750000	-22.2	-4.8	-27.0
5923.250000	-22.6	-4.4	-27.0
5919.750000	-22.6	-4.4	-27.0
5924.250000	-22.8	-4.2	-27.0
5923.750000	-22.9	-4.1	-27.0
5920.250000	-22.9	-4.1	-27.0
5902.750000	-23.0	-4.0	-27.0
5918.250000	-23.2	-3.8	-27.0
5922.250000	-23.2	-3.8	-27.0
5909.250000	-23.4	-3.6	-27.0
5914.250000	-23.5	-3.5	-27.0
5915.750000	-23.5	-3.5	-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


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


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


15
14
12
10
8
6
4
2
0
Connector1 in dB
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Average) (6025 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6025.000000	PASS

Final measurements

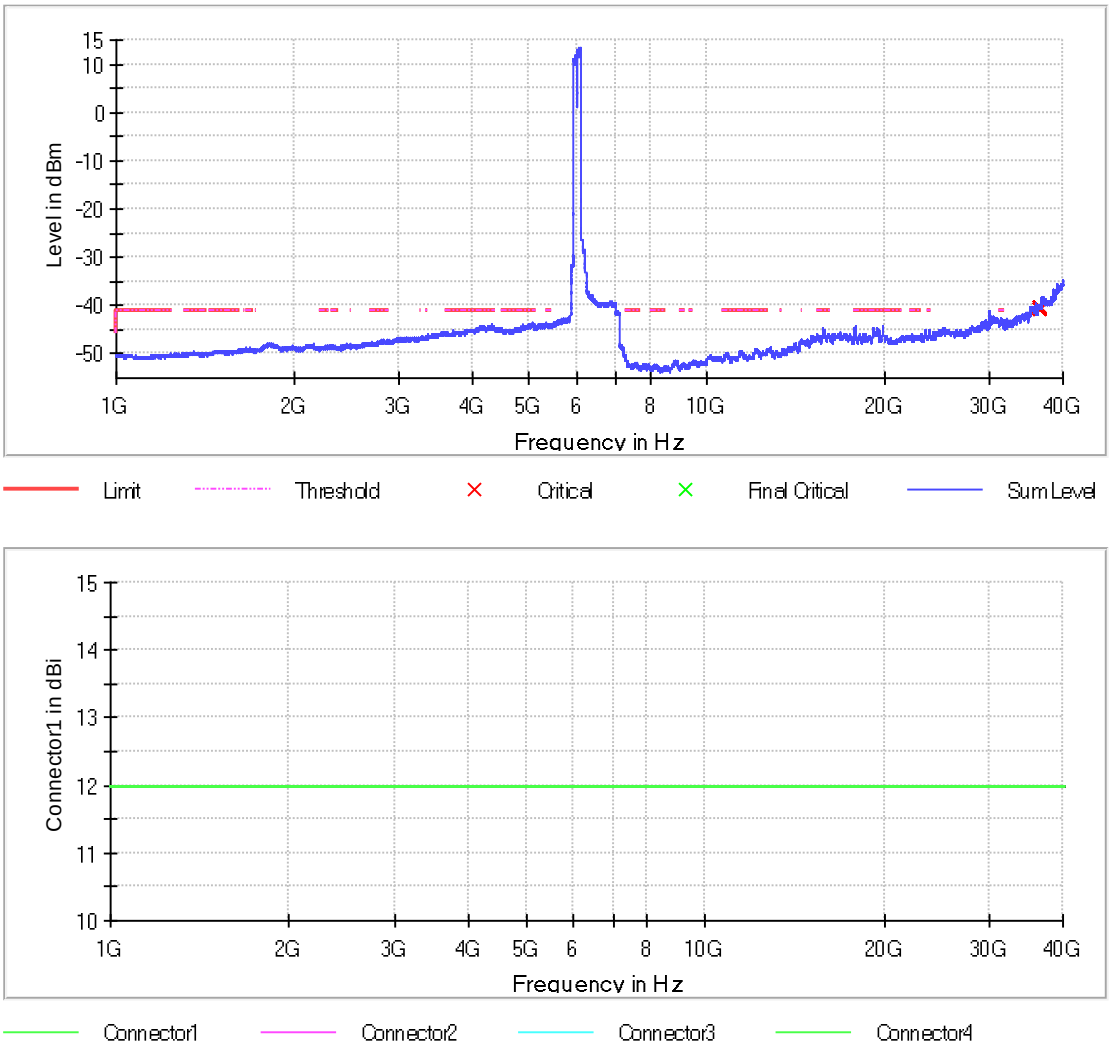
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

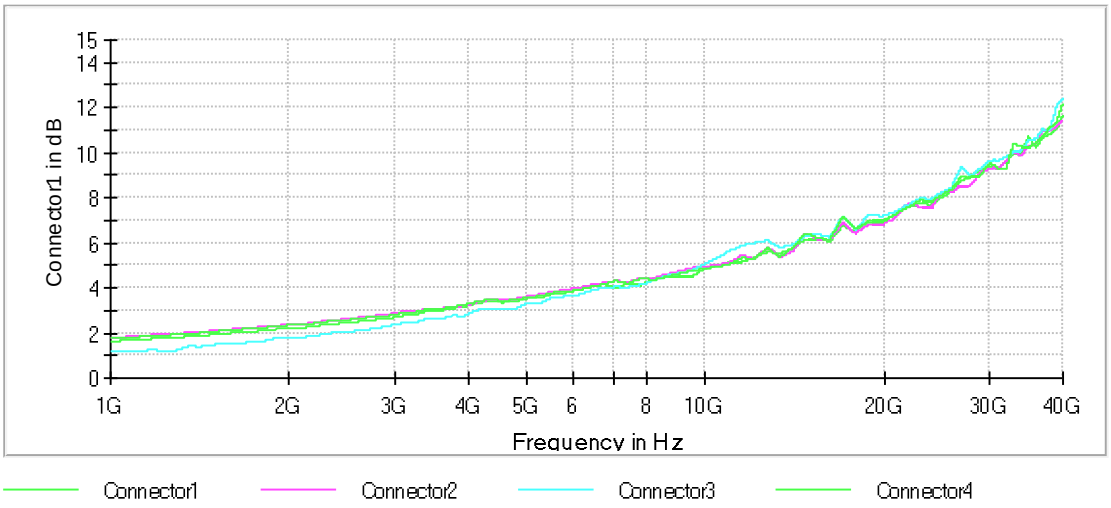
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36497.640699	-40.1	-1.1	-41.2
36496.953220	-40.2	-1.0	-41.2
36479.078779	-40.2	-1.0	-41.2
36499.015656	-40.2	-1.0	-41.2
36495.578263	-40.2	-1.0	-41.2
36470.141558	-40.2	-1.0	-41.2
36487.328521	-40.2	-1.0	-41.2
36485.953564	-40.2	-1.0	-41.2
36489.390957	-40.3	-0.9	-41.2
36474.266429	-40.3	-0.9	-41.2
36488.703478	-40.3	-0.9	-41.2
36492.828349	-40.3	-0.9	-41.2
36488.016000	-40.3	-0.9	-41.2
36478.391300	-40.3	-0.9	-41.2
36494.890785	-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


15
10
0
-10
-20
-30
-40
-50
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Threshold
Critical
Final Critical
Sum Level

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


15
14
12
10
8
6
4
2
0
Connector1 in dB
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Peak) (6025 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6025.000000	PASS

Final measurements

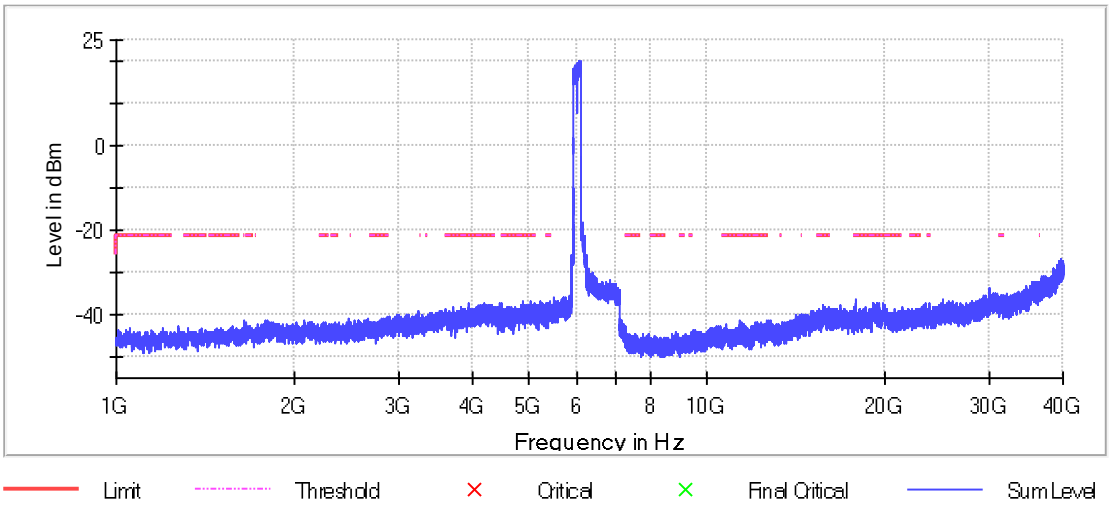
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

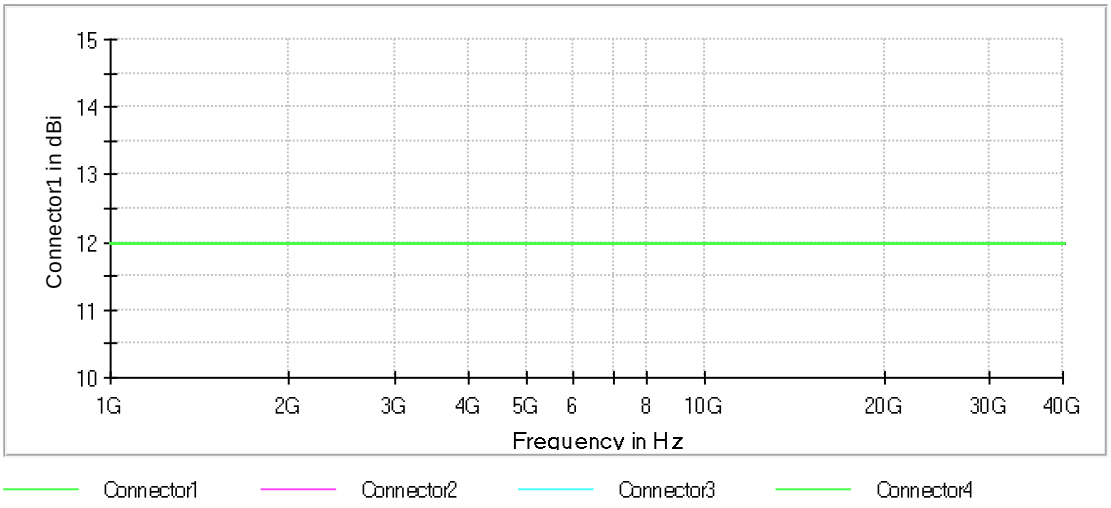
Pre Measurements

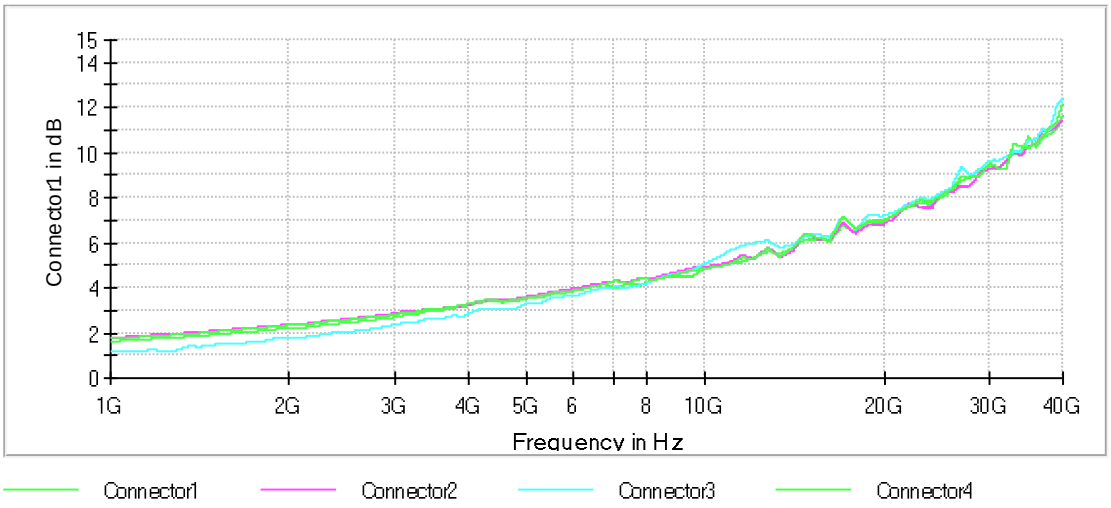
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36442.642417	-33.2	12.0	-21.2
36450.204681	-33.4	12.2	-21.2
36490.765914	-33.4	12.2	-21.2
36485.266085	-33.5	12.3	-21.2
36499.015656	-33.6	12.4	-21.2
36485.953564	-33.6	12.4	-21.2
36483.891128	-33.7	12.5	-21.2
36444.704853	-33.7	12.5	-21.2
36470.141558	-33.8	12.6	-21.2
36441.267460	-33.8	12.6	-21.2
36481.828693	-33.8	12.6	-21.2
36476.328865	-33.8	12.6	-21.2
36472.891472	-33.9	12.7	-21.2
36448.829724	-33.9	12.7	-21.2
36461.204337	-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


25
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


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


15
14
12
10
8
6
4
2
0
Connector1 in dB
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emission Bandwidth 26 dB (6185 MHz; 24.000 dBm; 160 MHz)

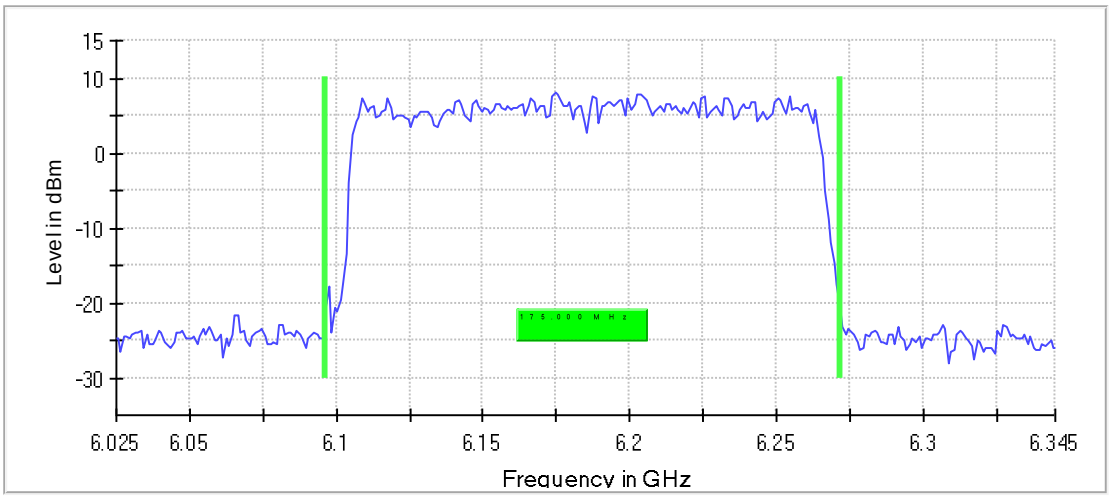
Customized settings.

26 dB Bandwidth

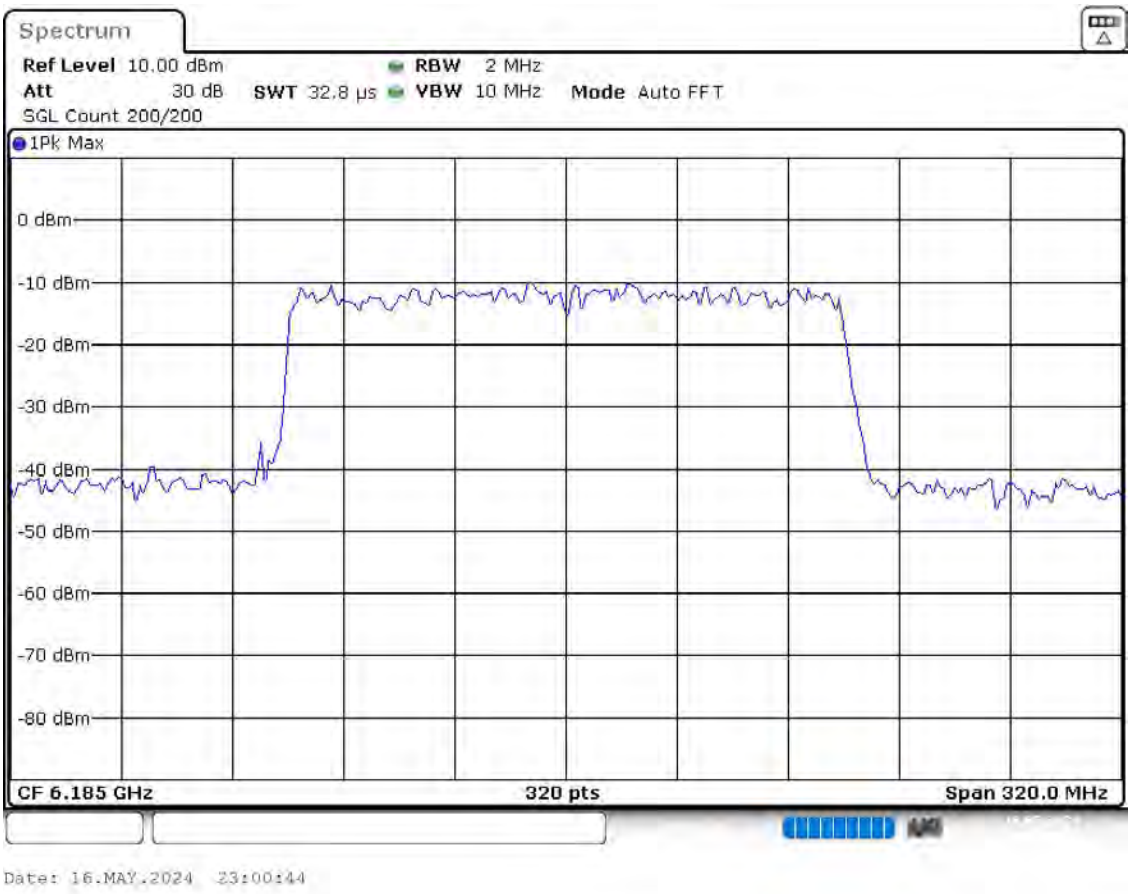
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6185.000000	175.000000	---	320.000000	6096.500000	---

(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
6185.000000	6271.500000	---	8.1	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 6.185 GHz
320 pts
Span 320.0 MHz
Date: 16.MAY.2024 23:00:44

Power Spectral Density (SA-2) (6185 MHz; 24.000 dBm; 160 MHz)

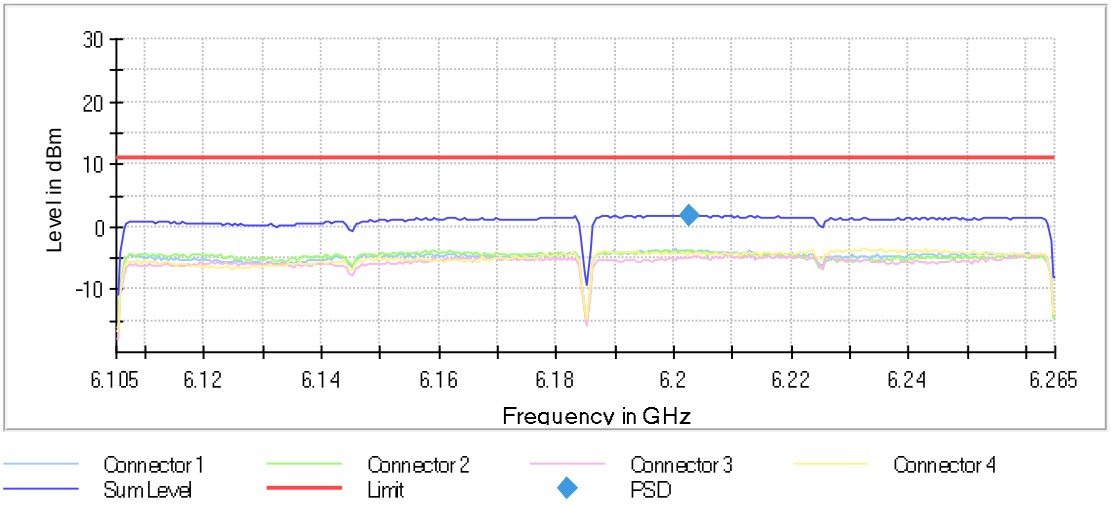
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6185.000000	6202.750000	1.928	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6185 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

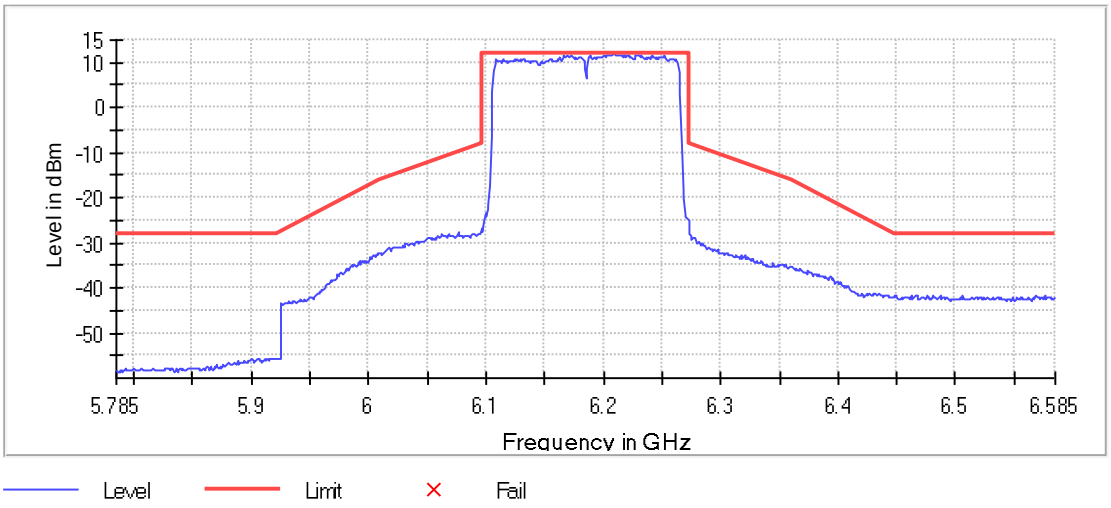
DUT Frequency (MHz)	Result
6185.000000	PASS

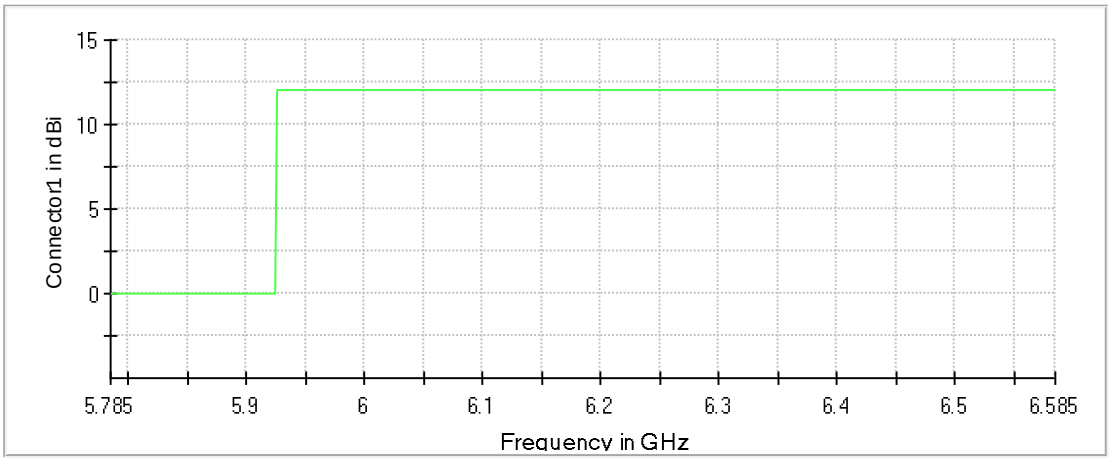
Inband Peak

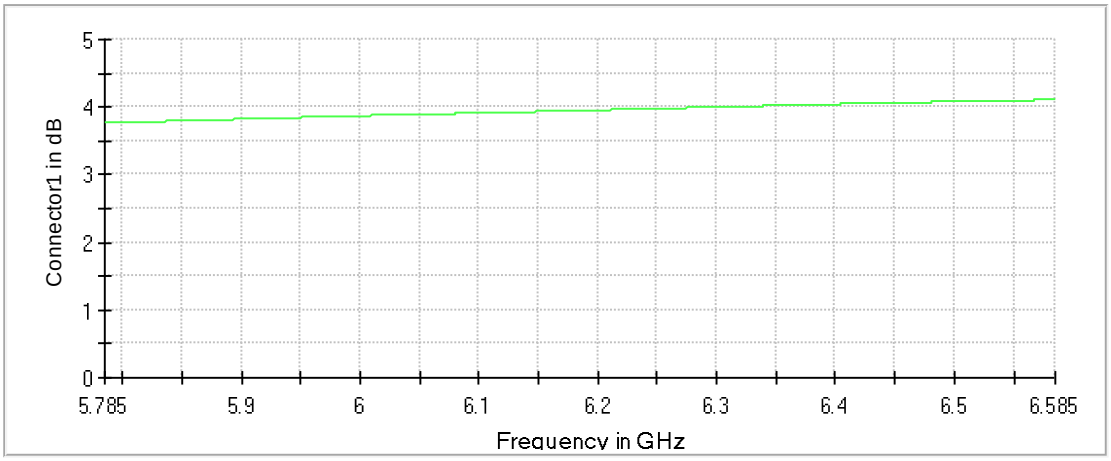
Frequency (MHz)	Level (dBm)
6208.500000	11.9

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6209.500000	11.9	0.0	11.9	PASS
6214.500000	11.8	0.1	11.9	PASS
6211.500000	11.8	0.1	11.9	PASS
6212.500000	11.7	0.2	11.9	PASS
6188.500000	11.7	0.3	11.9	PASS
6205.500000	11.6	0.3	11.9	PASS
6202.500000	11.6	0.3	11.9	PASS
6210.500000	11.6	0.3	11.9	PASS
6172.500000	11.6	0.3	11.9	PASS
6230.500000	11.6	0.3	11.9	PASS
6200.500000	11.6	0.3	11.9	PASS
6204.500000	11.5	0.4	11.9	PASS
6203.500000	11.5	0.4	11.9	PASS
6169.500000	11.5	0.4	11.9	PASS
6228.500000	11.5	0.4	11.9	PASS


15
10
0
-10
-20
-30
-40
-50
Level in dBm
5.785
5.9
6
6.1
6.2
6.3
6.4
6.5
6.585
Frequency in GHz
Level
Limit
Fail


15
10
5
0
Connector1 in dBi
5.785
5.9
6
6.1
6.2
6.3
6.4
6.5
6.585
Frequency in GHz
Connector1


5
4
3
2
1
0
Connector1 in dB
5.785
5.9
6
6.1
6.2
6.3
6.4
6.5
6.585
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6185 MHz; 24.000 dBm; 160 MHz)

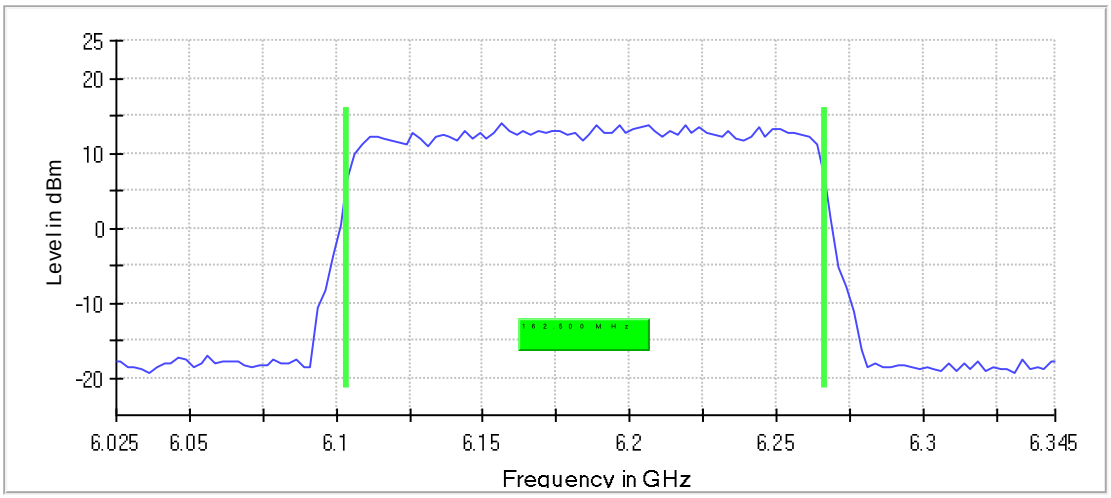
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6185.000000	162.500000	---	320.000000	6103.750000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6185.000000	6266.250000	7125.000000	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.02500 GHz	6.02500 GHz
Stop Frequency	6.34500 GHz	6.34500 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 (6185 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6185.000000	PASS

Final measurements

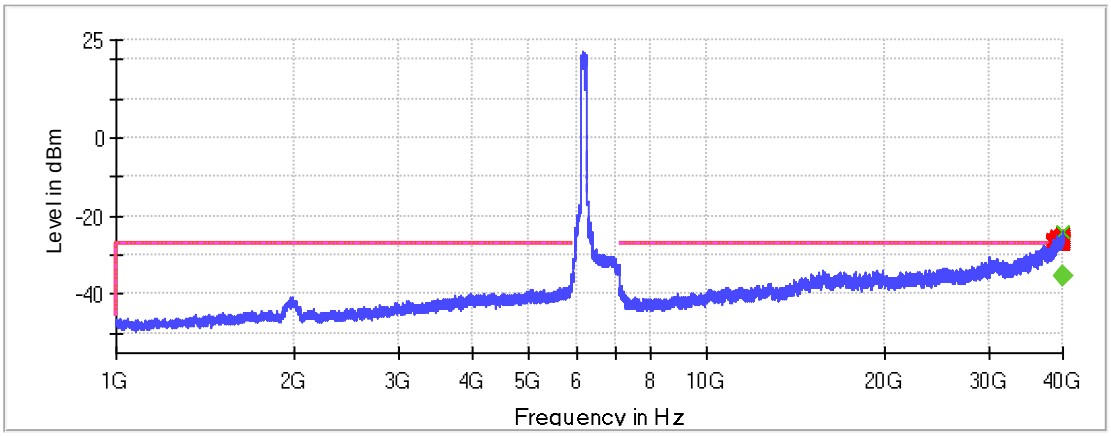
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
39924.750000	-24.1	-35.4	-27.0	8.4	PASS

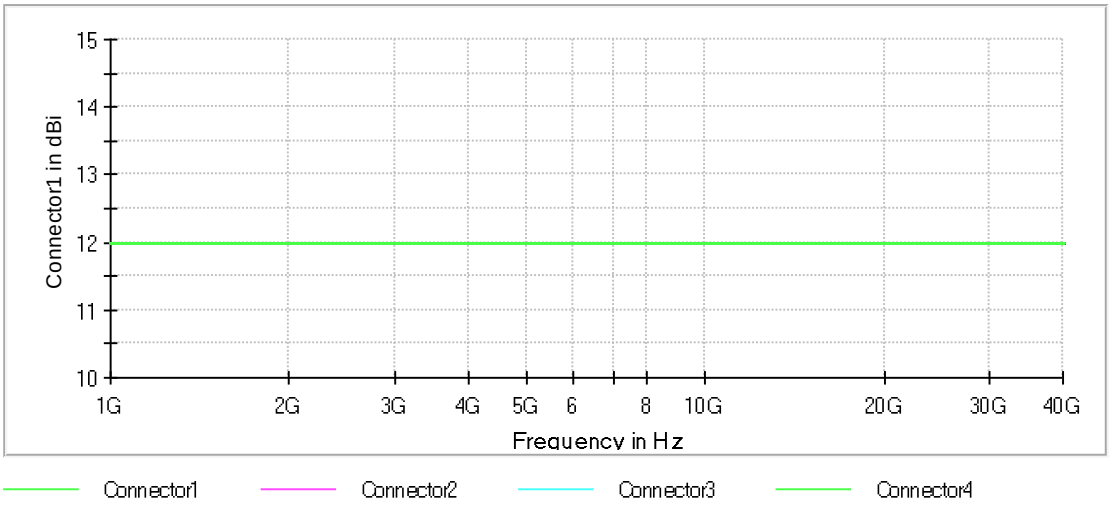
Pre Measurements

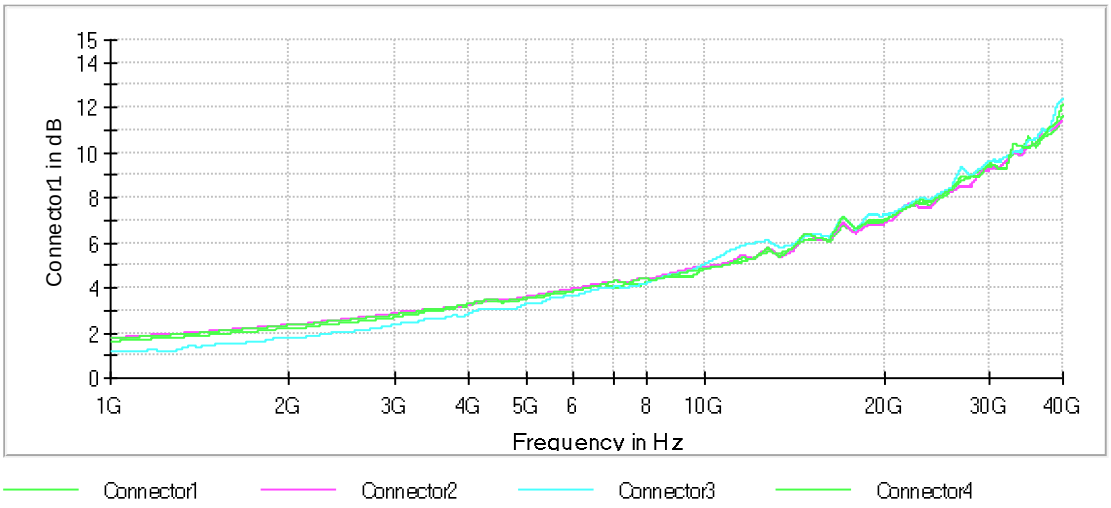
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
39924.750000	-24.1	-2.9	-27.0
39995.750000	-24.3	-2.7	-27.0
39956.750000	-24.5	-2.5	-27.0
39957.750000	-24.5	-2.5	-27.0
39984.750000	-24.6	-2.4	-27.0
39965.750000	-24.6	-2.4	-27.0
39981.250000	-24.6	-2.4	-27.0
39951.250000	-24.7	-2.3	-27.0
39963.750000	-24.7	-2.3	-27.0
39972.750000	-24.8	-2.2	-27.0
39980.250000	-24.8	-2.2	-27.0
39145.250000	-24.9	-2.1	-27.0
39971.750000	-24.9	-2.1	-27.0
39998.250000	-24.9	-2.1	-27.0
39977.250000	-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


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


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


Connector1 in dB
15
14
12
10
8
6
4
2
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) (6185 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6185.000000	PASS

Final measurements

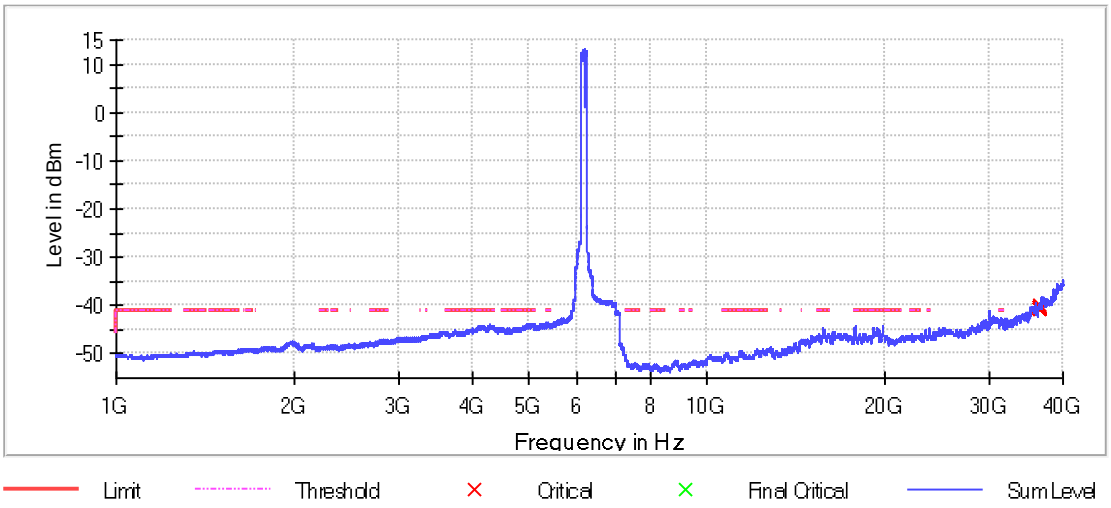
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

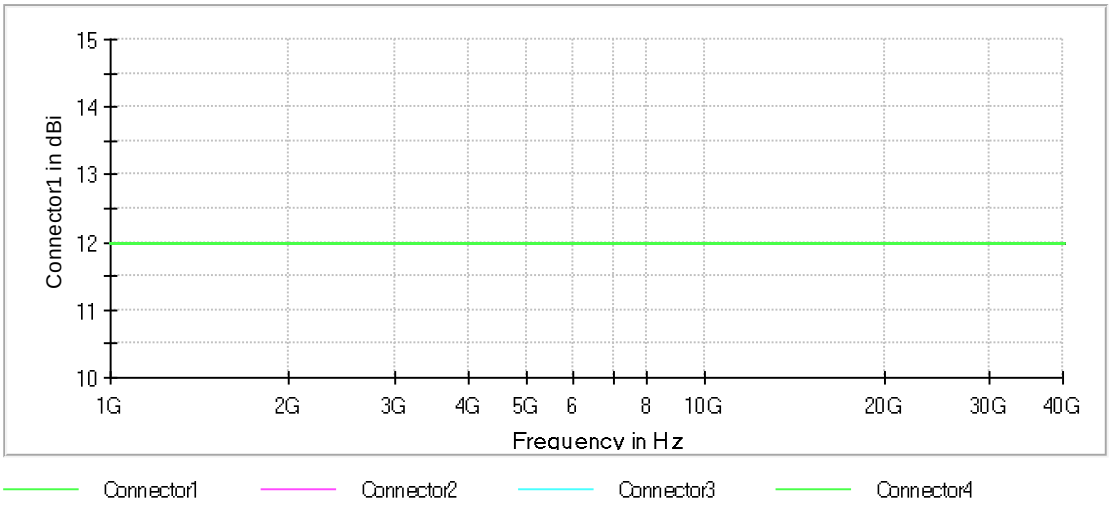
Pre Measurements

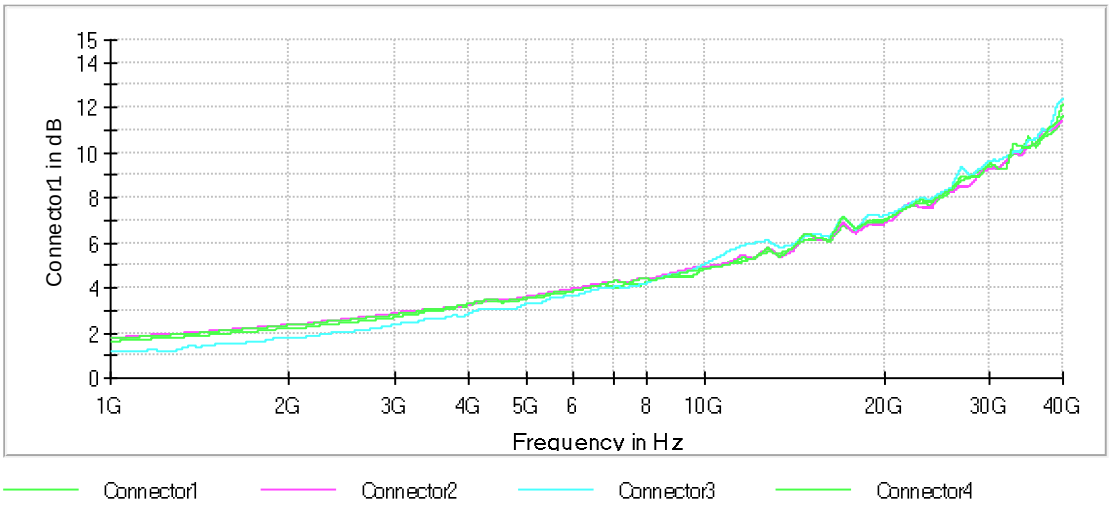
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36488.703478	-40.0	-1.2	-41.2
36494.890785	-40.1	-1.1	-41.2
36492.140871	-40.2	-1.0	-41.2
36488.016000	-40.2	-1.0	-41.2
36465.329208	-40.2	-1.0	-41.2
36489.390957	-40.2	-1.0	-41.2
36490.765914	-40.2	-1.0	-41.2
36483.203650	-40.2	-1.0	-41.2
36498.328177	-40.2	-1.0	-41.2
36497.640699	-40.2	-1.0	-41.2
36481.141214	-40.2	-1.0	-41.2
36481.828693	-40.2	-1.0	-41.2
36485.266085	-40.3	-0.9	-41.2
36480.453736	-40.3	-0.9	-41.2
36477.703822	-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


15
10
0
-10
-20
-30
-40
-50
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Threshold
Critical
Final Critical
Sum Level


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


15
14
12
10
8
6
4
2
0
Connector1 in dB
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Peak) (6185 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6185.000000	PASS

Final measurements

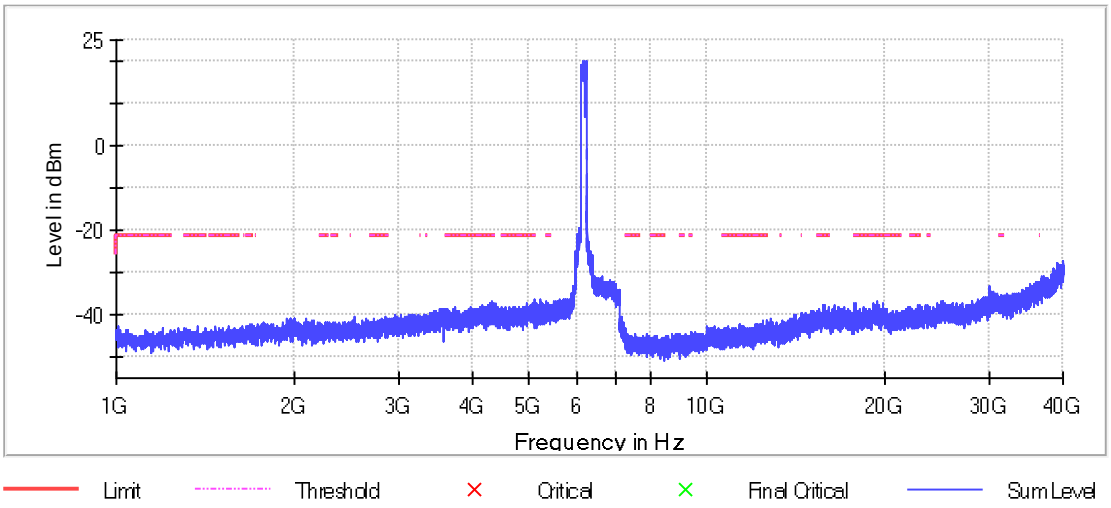
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

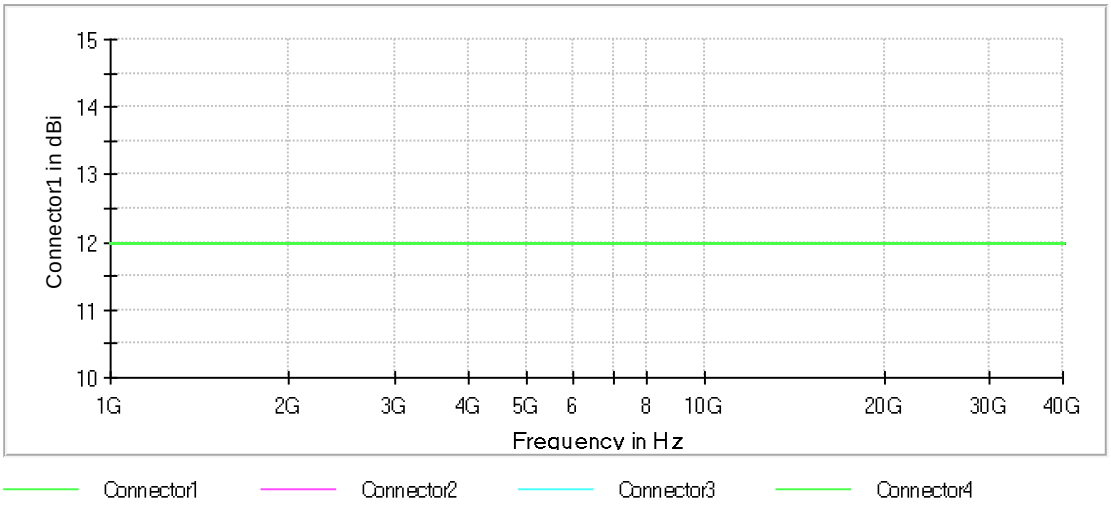
Pre Measurements

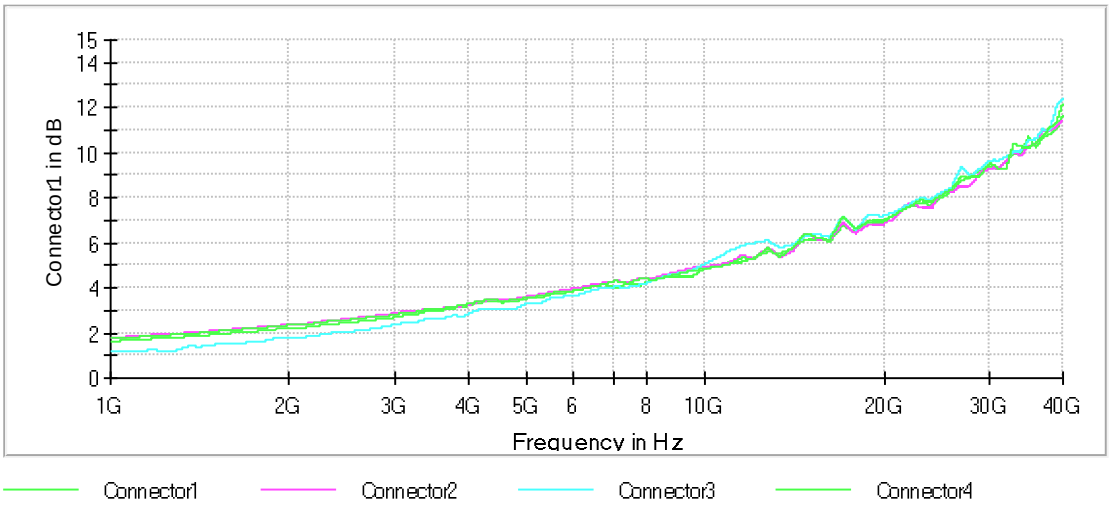
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36459.141902	-32.9	11.7	-21.2
36475.641386	-33.2	12.0	-21.2
36457.079466	-33.2	12.0	-21.2
36495.578263	-33.2	12.0	-21.2
36483.203650	-33.3	12.1	-21.2
36472.891472	-33.4	12.2	-21.2
36433.017718	-33.5	12.3	-21.2
36496.953220	-33.5	12.3	-21.2
36448.142246	-33.5	12.3	-21.2
36490.765914	-33.5	12.3	-21.2
36476.328865	-33.5	12.3	-21.2
36436.455111	-33.5	12.3	-21.2
36491.453392	-33.7	12.5	-21.2
36430.267804	-33.8	12.6	-21.2
36498.328177	-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


25
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


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


Connector1 in dB
15
14
12
10
8
6
4
2
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emission Bandwidth 26 dB (6325 MHz; 24.000 dBm; 160 MHz)

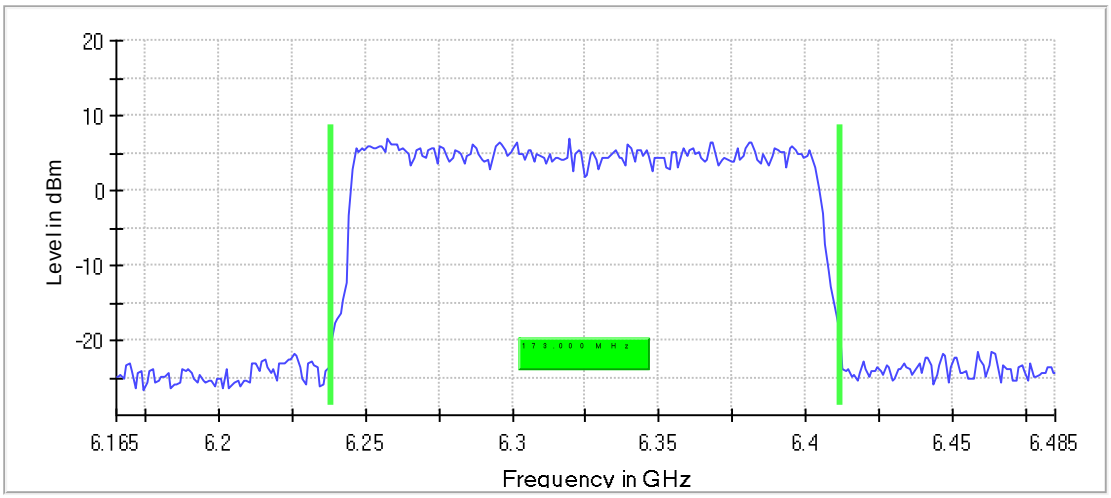
Customized settings.

26 dB Bandwidth

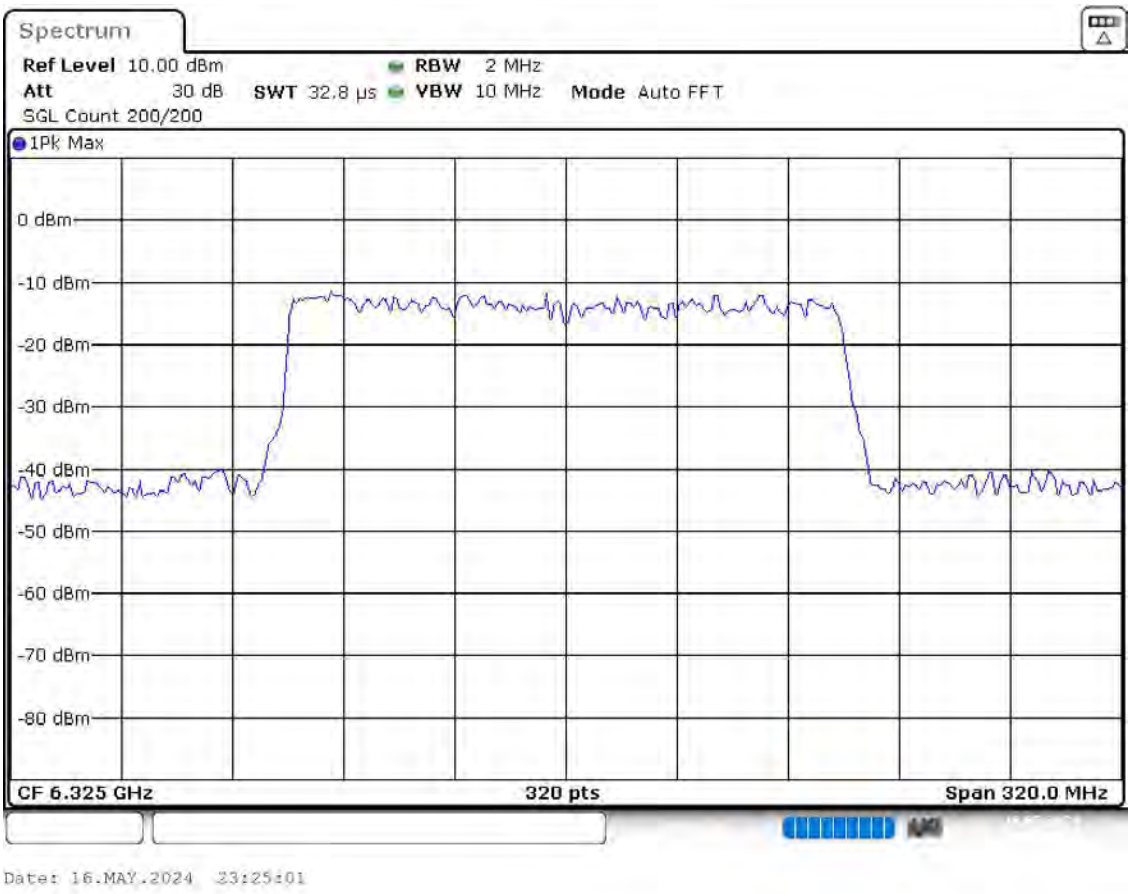
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6325.000000	173.000000	---	320.000000	6238.500000	---

(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
6325.000000	6411.500000	---	6.8	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 6.325 GHz
320 pts
Span 320.0 MHz
Date: 16.MAY.2024 23:25:01

Power Spectral Density (SA-2) (6325 MHz; 24.000 dBm; 160 MHz)

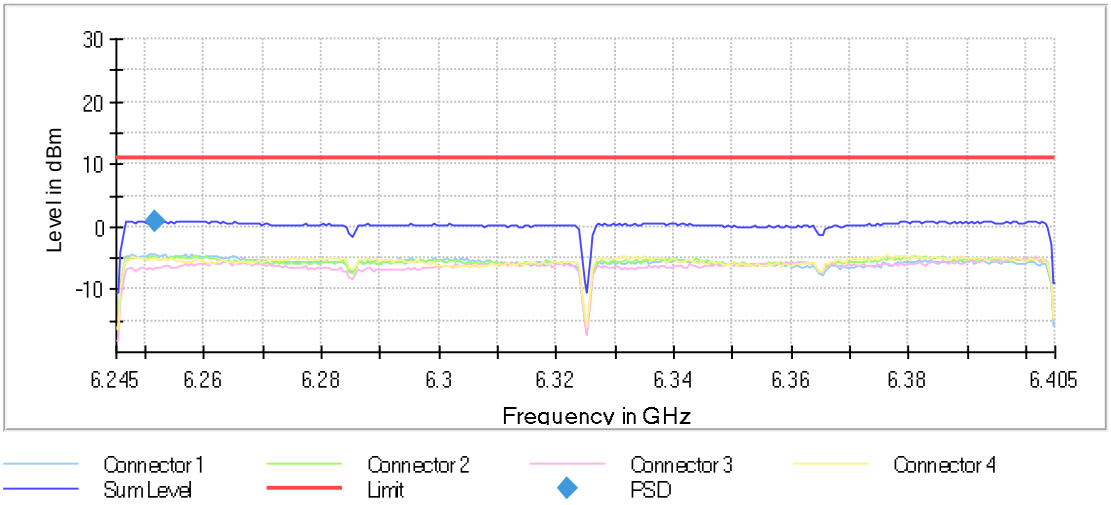
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6325.000000	6251.750000	0.964	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6325 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

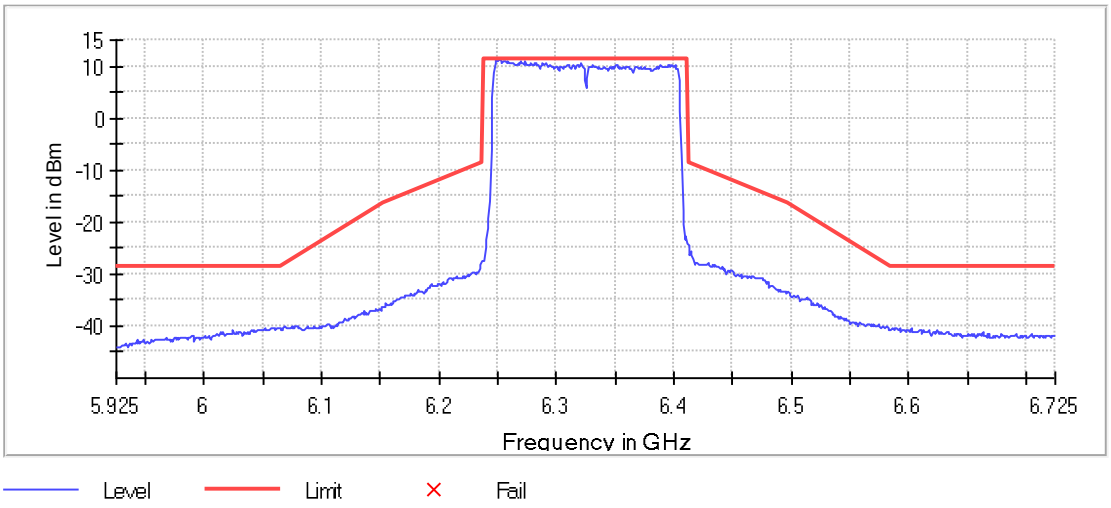
DUT Frequency (MHz)	Result
6325.000000	PASS

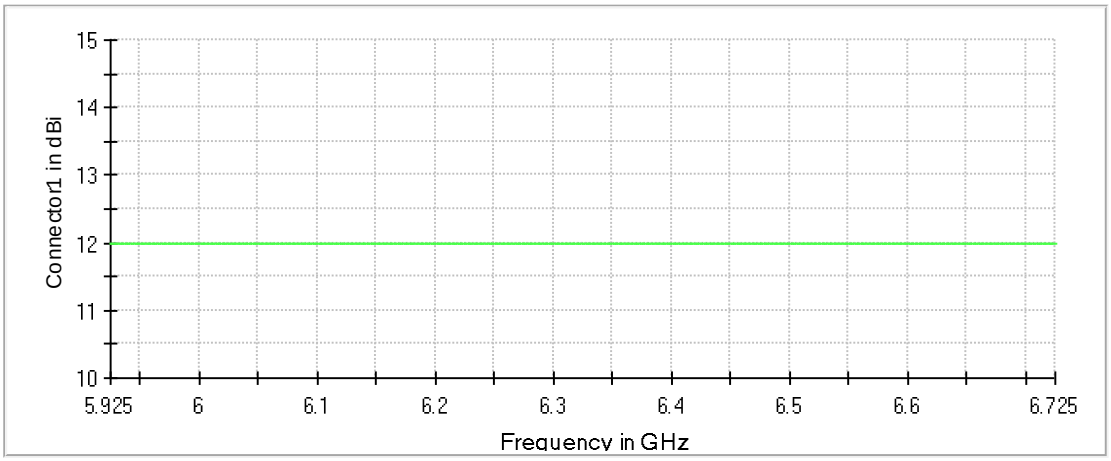
Inband Peak

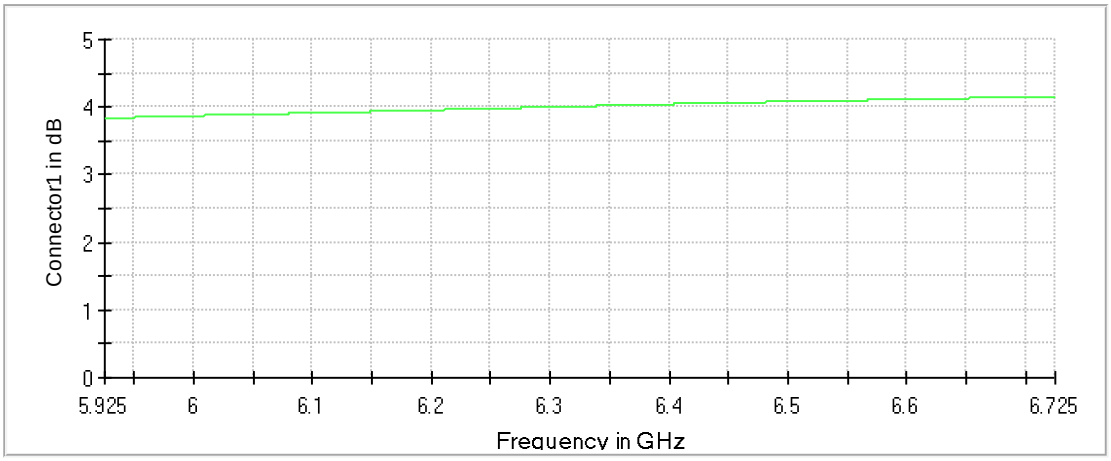
Frequency (MHz)	Level (dBm)
6251.500000	11.4

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6251.500000	11.4	0.0	11.4	PASS
6248.500000	11.2	0.2	11.4	PASS
6250.500000	11.1	0.3	11.4	PASS
6254.500000	11.0	0.4	11.4	PASS
6256.500000	11.0	0.5	11.4	PASS
6249.500000	11.0	0.5	11.4	PASS
6255.500000	11.0	0.5	11.4	PASS
6252.500000	10.8	0.6	11.4	PASS
6273.500000	10.8	0.7	11.4	PASS
6258.500000	10.8	0.7	11.4	PASS
6269.500000	10.8	0.7	11.4	PASS
6262.500000	10.8	0.7	11.4	PASS
6321.500000	10.7	0.7	11.4	PASS
6260.500000	10.7	0.7	11.4	PASS
6257.500000	10.7	0.8	11.4	PASS


15
10
0
-10
-20
-30
-40
Level in dBm
5.925
6
6.1
6.2
6.3
6.4
6.5
6.6
6.725
Frequency in GHz
Level
Limit
Fail


15
14
13
12
11
10
Connector1 in dBi
5.925
6
6.1
6.2
6.3
6.4
6.5
6.6
6.725
Frequency in GHz
Connector1


5
4
3
2
1
0
Connector1 in dB
5.925
6
6.1
6.2
6.3
6.4
6.5
6.6
6.725
Frequency in GHz
Connector1

Occupied Channel Bandwidth 99% (6325 MHz; 24.000 dBm; 160 MHz)

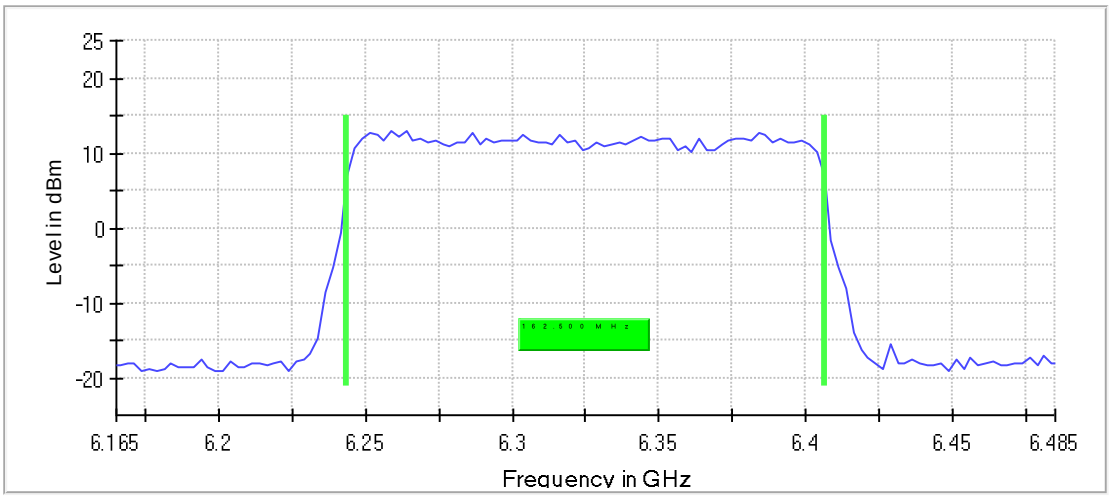
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6325.000000	162.500000	---	320.000000	6243.750000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6325.000000	6406.250000	7125.000000	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	6.16500 GHz	6.16500 GHz
Stop Frequency	6.48500 GHz	6.48500 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 (6325 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6325.000000	PASS

Final measurements

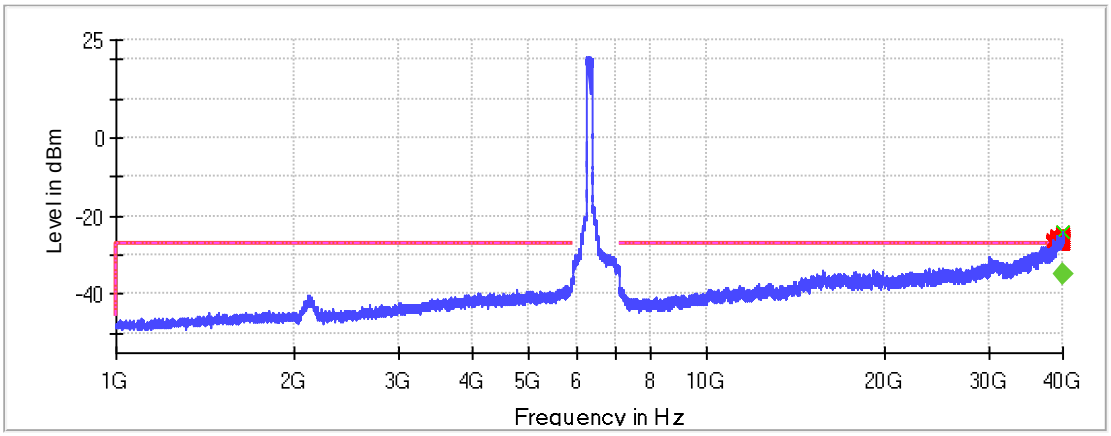
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
39970.750000	-24.3	-34.9	-27.0	7.9	PASS

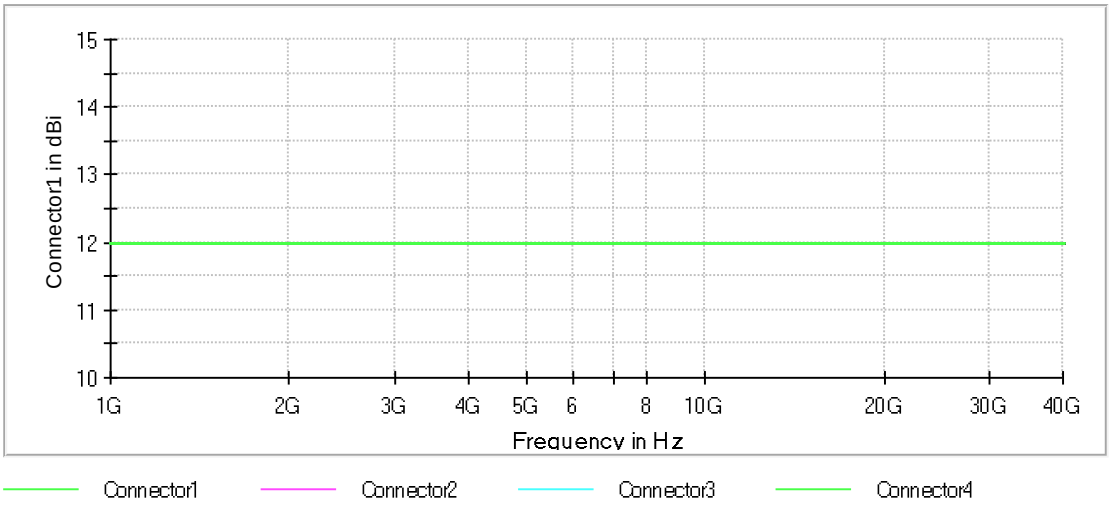
Pre Measurements

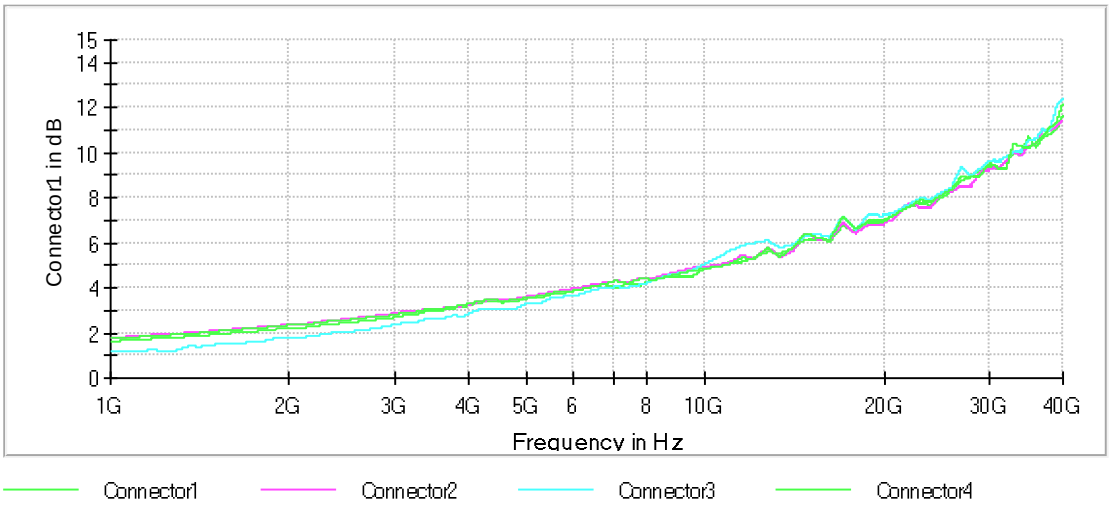
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
39970.750000	-24.3	-2.7	-27.0
39960.750000	-24.5	-2.5	-27.0
39989.250000	-24.7	-2.3	-27.0
39947.750000	-24.8	-2.2	-27.0
39983.750000	-24.8	-2.2	-27.0
39962.750000	-24.8	-2.2	-27.0
39941.750000	-24.8	-2.2	-27.0
39952.250000	-24.8	-2.2	-27.0
39995.750000	-24.9	-2.1	-27.0
39935.250000	-24.9	-2.1	-27.0
39945.250000	-24.9	-2.1	-27.0
39958.750000	-24.9	-2.1	-27.0
39960.250000	-24.9	-2.1	-27.0
39957.250000	-24.9	-2.1	-27.0
39990.250000	-25.0	-2.0	-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


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


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


15
14
12
10
8
6
4
2
0
Connector1 in dB
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emissions in restricted frequency bands (Average) (6325 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6325.000000	PASS

Final measurements

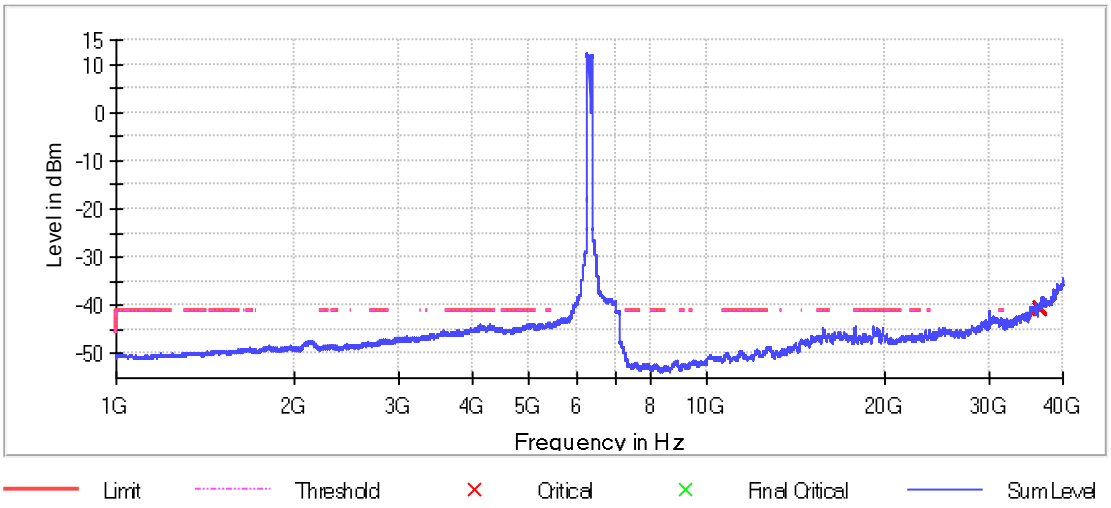
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

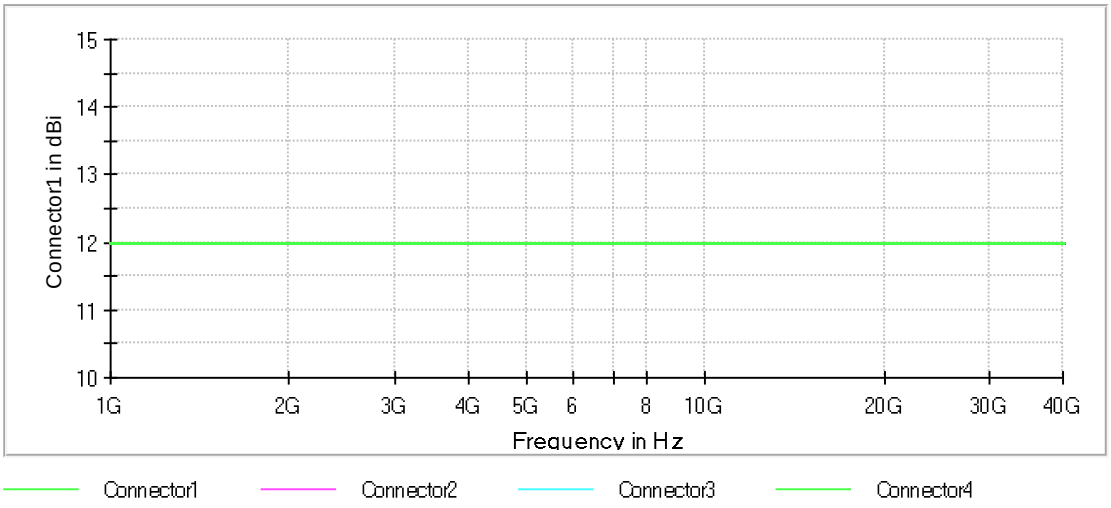
Pre Measurements

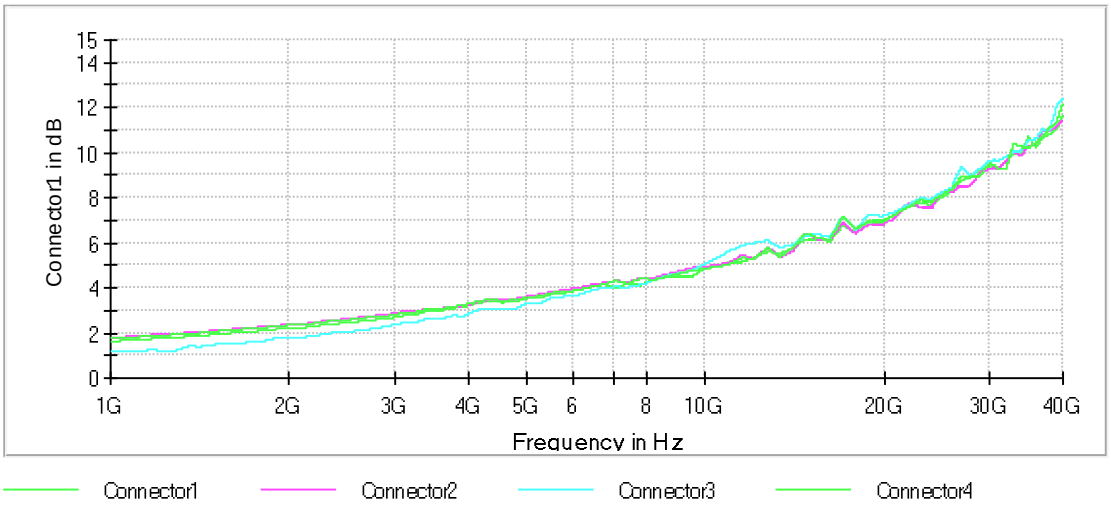
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36486.641042	-40.1	-1.1	-41.2
36498.328177	-40.1	-1.1	-41.2
36495.578263	-40.2	-1.0	-41.2
36483.203650	-40.2	-1.0	-41.2
36485.266085	-40.2	-1.0	-41.2
36490.078435	-40.2	-1.0	-41.2
36494.203306	-40.2	-1.0	-41.2
36491.453392	-40.2	-1.0	-41.2
36494.890785	-40.2	-1.0	-41.2
36488.016000	-40.2	-1.0	-41.2
36479.766257	-40.3	-0.9	-41.2
36496.953220	-40.3	-0.9	-41.2
36496.265742	-40.3	-0.9	-41.2
36482.516171	-40.3	-0.9	-41.2
36474.266429	-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


15
10
0
-10
-20
-30
-40
-50
Level in dBm
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Limit
Threshold
Critical
Final Critical
Sum Level


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


Connector1 in dB
15
14
12
10
8
6
4
2
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) (6325 MHz; 24.000 dBm; 160 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6325.000000	PASS

Final measurements

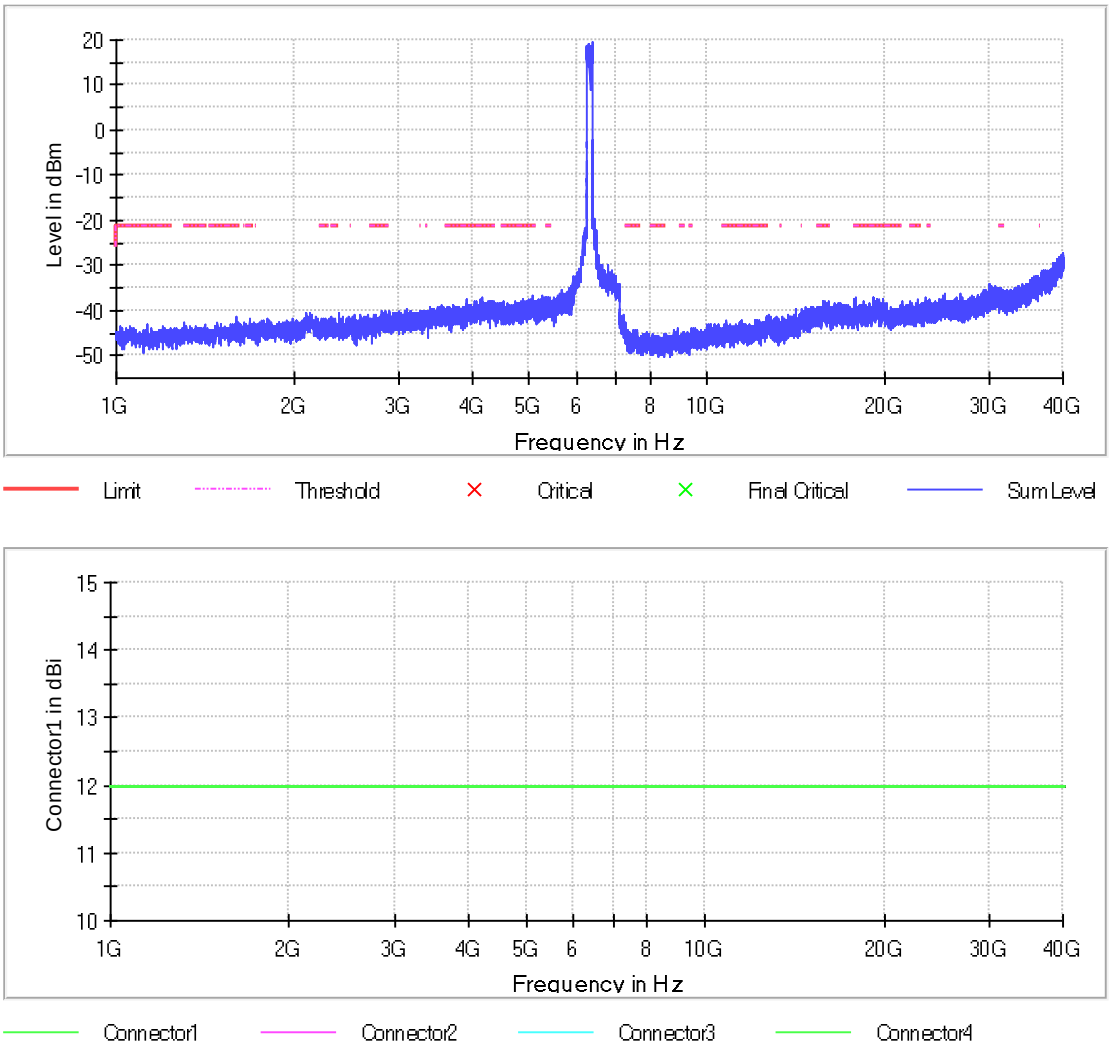
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

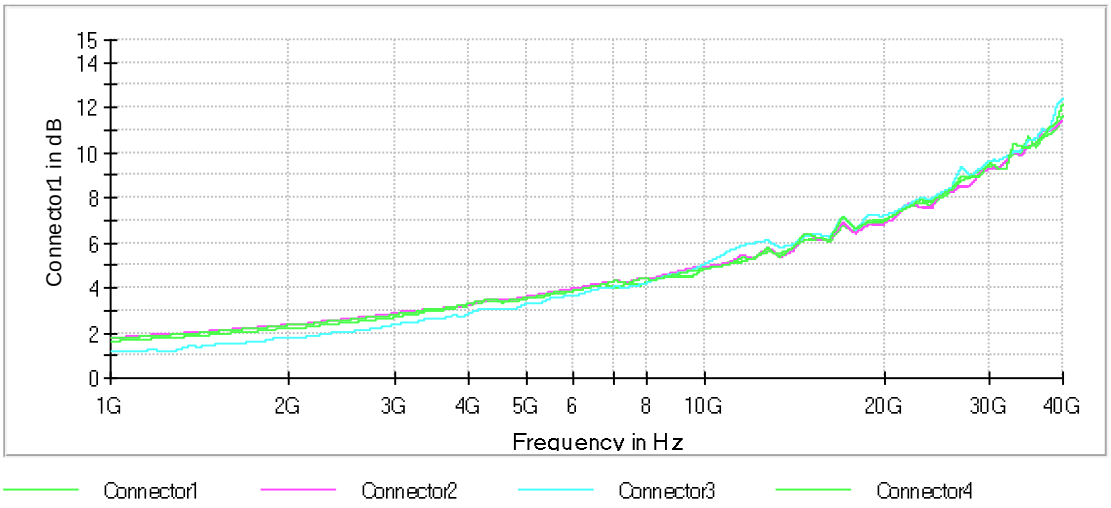
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36436.455111	-33.1	11.9	-21.2
36464.641730	-33.2	12.0	-21.2
36495.578263	-33.3	12.1	-21.2
36496.265742	-33.4	12.2	-21.2
36456.391988	-33.6	12.4	-21.2
36493.515828	-33.6	12.4	-21.2
36472.203994	-33.6	12.4	-21.2
36490.765914	-33.6	12.4	-21.2
36483.891128	-33.6	12.4	-21.2
36437.142589	-33.7	12.5	-21.2
36461.204337	-33.7	12.5	-21.2
36484.578607	-33.7	12.5	-21.2
36432.330240	-33.7	12.5	-21.2
36444.017374	-33.9	12.7	-21.2
36488.703478	-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


Level in dBm
20
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

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


Connector1 in dB
15
14
12
10
8
6
4
2
0
1G
2G
3G
4G
5G
6
8
10G
20G
30G
40G
Frequency in Hz
Connector1
Connector2
Connector3
Connector4

Emission Bandwidth 26 dB (6265 MHz; 24.000 dBm; 320 MHz)

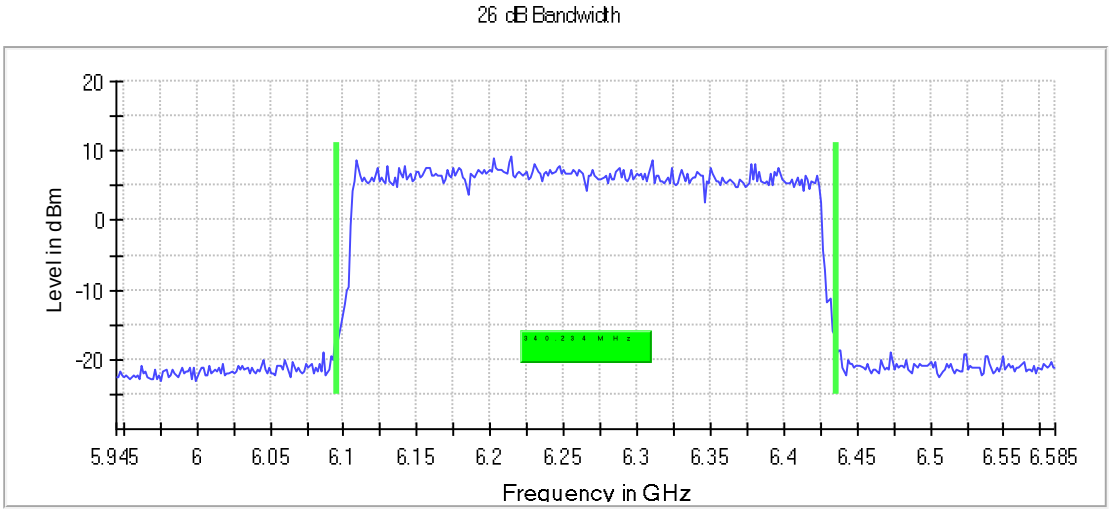
Customized settings.

26 dB Bandwidth

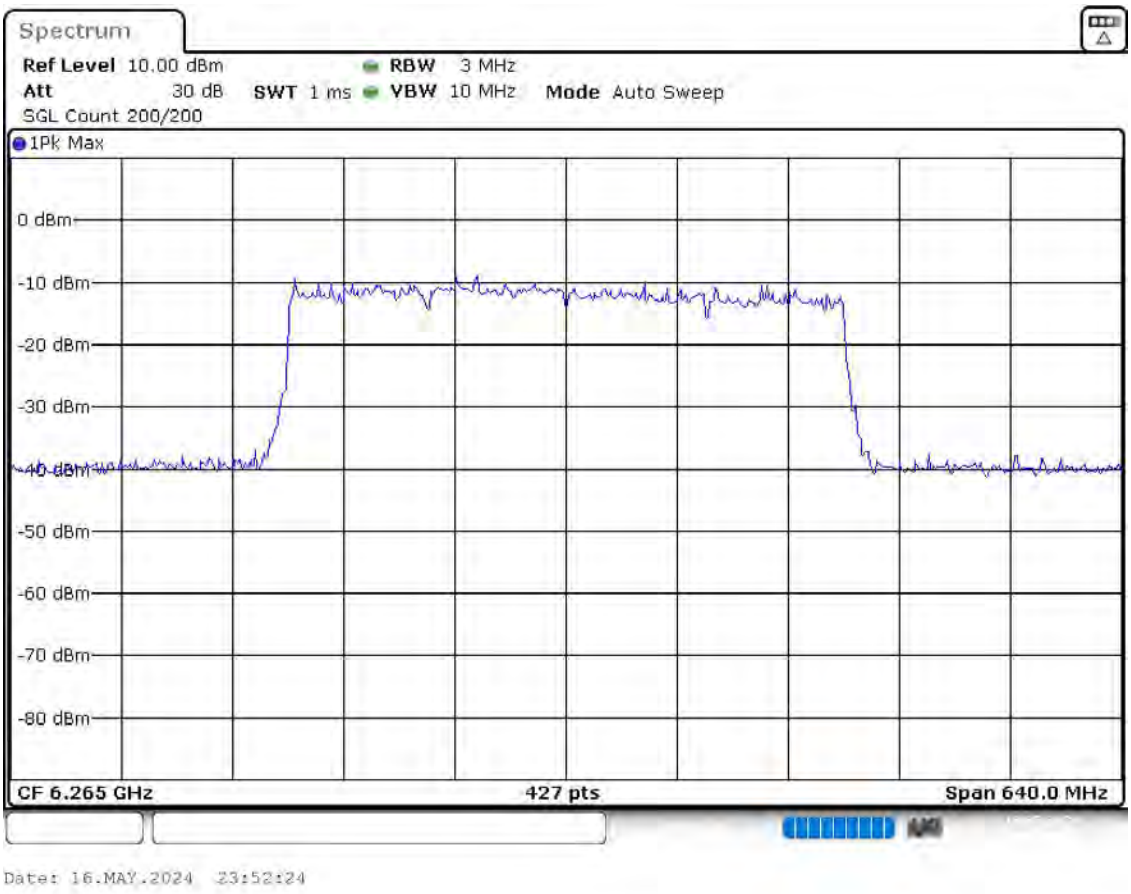
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L
6265.000000	340.234192	---	---	6095.632319	---

(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
6265.000000	6435.866511	---	9.3	PASS



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 6.265 GHz
427 pts
Span 640.0 MHz
Date: 16.MAY.2024 23:52:24

Power Spectral Density (SA-2) (6265 MHz; 24.000 dBm; 320 MHz)

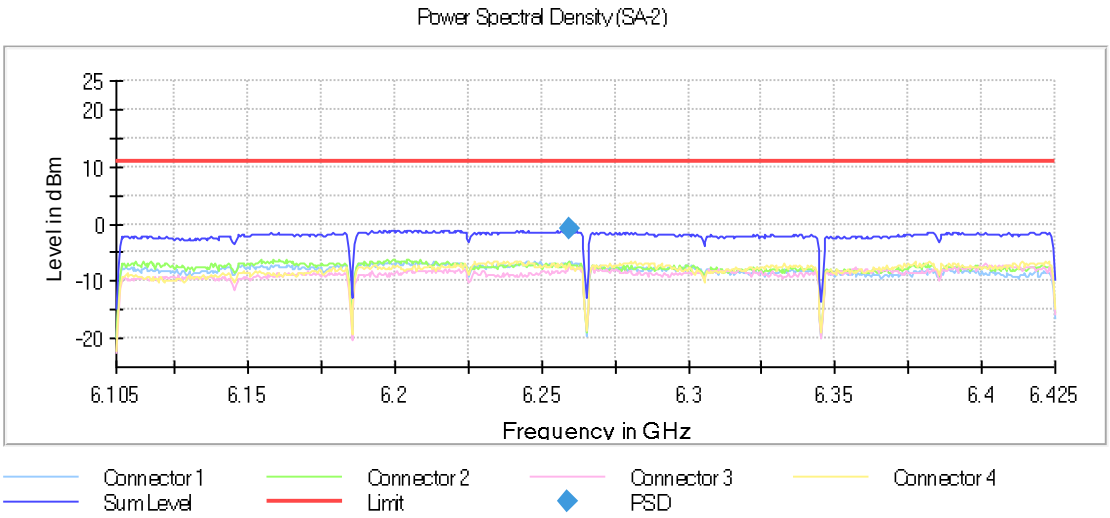
Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
6265.000000	6259.250000	-0.925	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used



In-Band Emissions (6265 MHz; 24.000 dBm; 320 MHz)

Customized settings.

Result

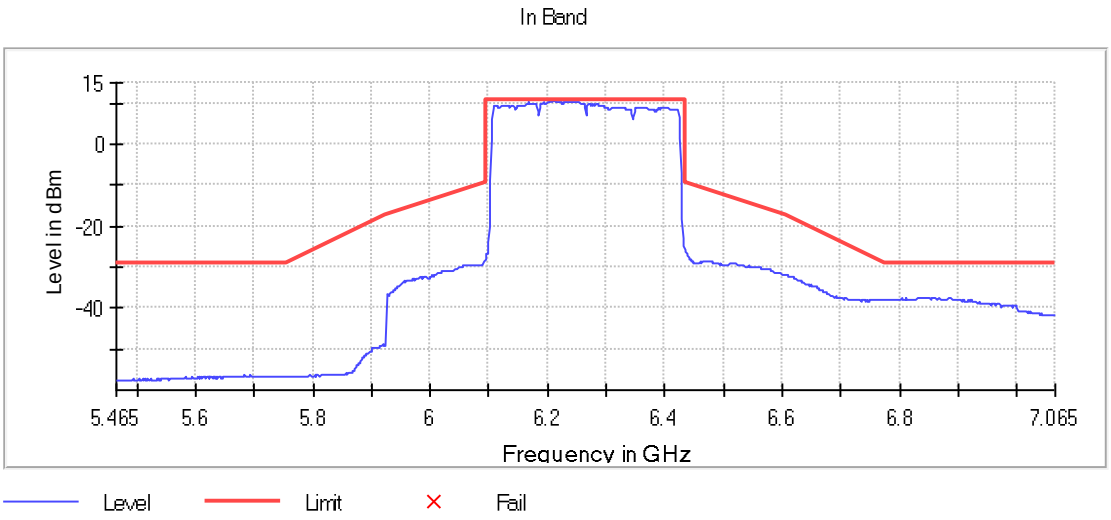
DUT Frequency (MHz)	Result
6265.000000	PASS

Inband Peak

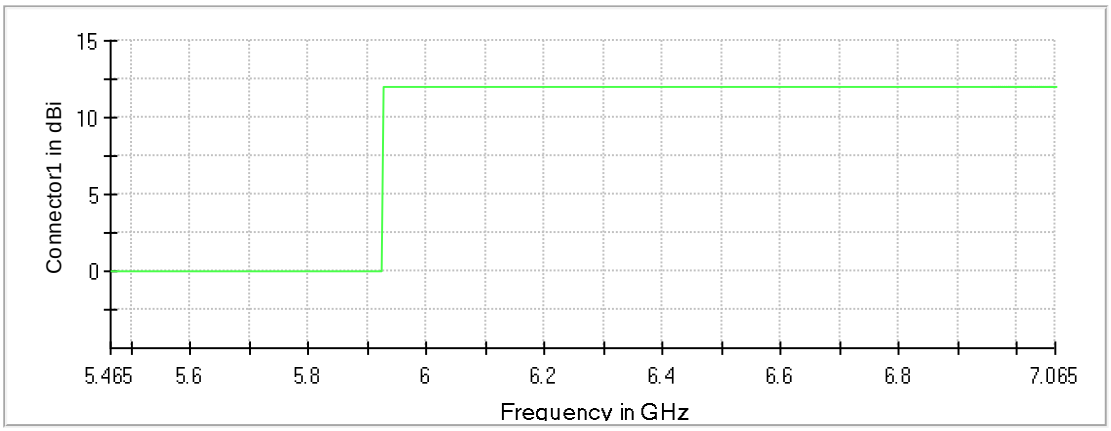
Frequency (MHz)	Level (dBm)
6211.016870	10.7

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6211.016870	10.7	0.0	10.7	PASS
6206.518276	10.6	0.1	10.7	PASS
6209.517338	10.6	0.2	10.7	PASS
6214.015933	10.5	0.3	10.7	PASS
6208.017807	10.5	0.3	10.7	PASS
6203.519213	10.4	0.3	10.7	PASS
6245.506092	10.4	0.3	10.7	PASS
6215.515464	10.4	0.3	10.7	PASS
6212.516401	10.4	0.3	10.7	PASS
6205.018744	10.4	0.3	10.7	PASS
6220.014058	10.4	0.3	10.7	PASS
6217.014995	10.4	0.3	10.7	PASS
6218.514527	10.4	0.3	10.7	PASS
6244.006560	10.4	0.3	10.7	PASS
6221.513590	10.4	0.3	10.7	PASS

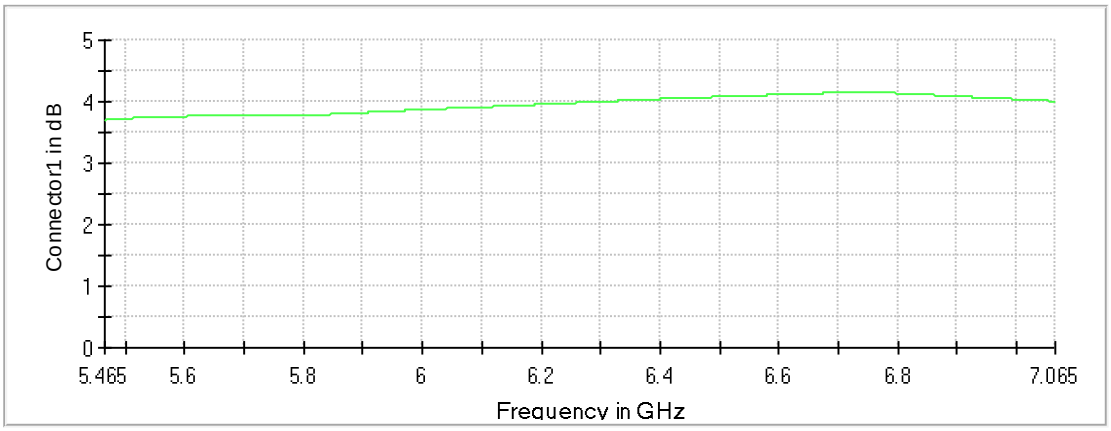

In Band
15
0
-20
-40
Level in dBm
5.465
5.6
5.8
6
6.2
6.4
6.6
6.8
7.065
Frequency in GHz
Level
Limit
Fail

Gain



Connector1

Attenuation



Connector1

Occupied Channel Bandwidth 99% (6265 MHz; 24.000 dBm; 320 MHz)

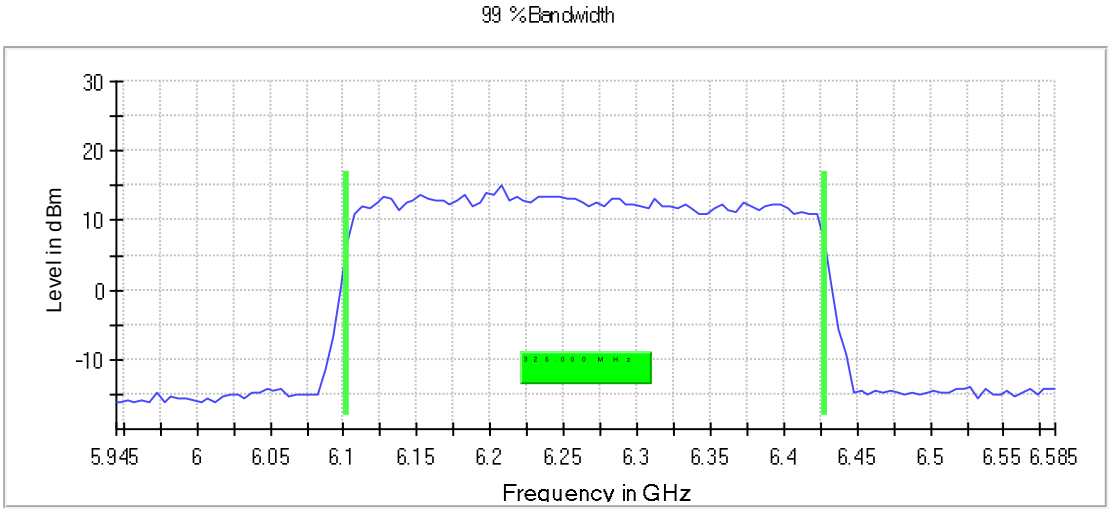
Customized settings.

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
6265.000000	325.000000	---	---	6102.500000	5925.000000

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

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
6265.000000	6427.500000	7125.000000	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.94500 GHz	5.94500 GHz
Stop Frequency	6.58500 GHz	6.58500 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 (6265 MHz; 24.000 dBm; 320 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6265.000000	PASS

Final measurements

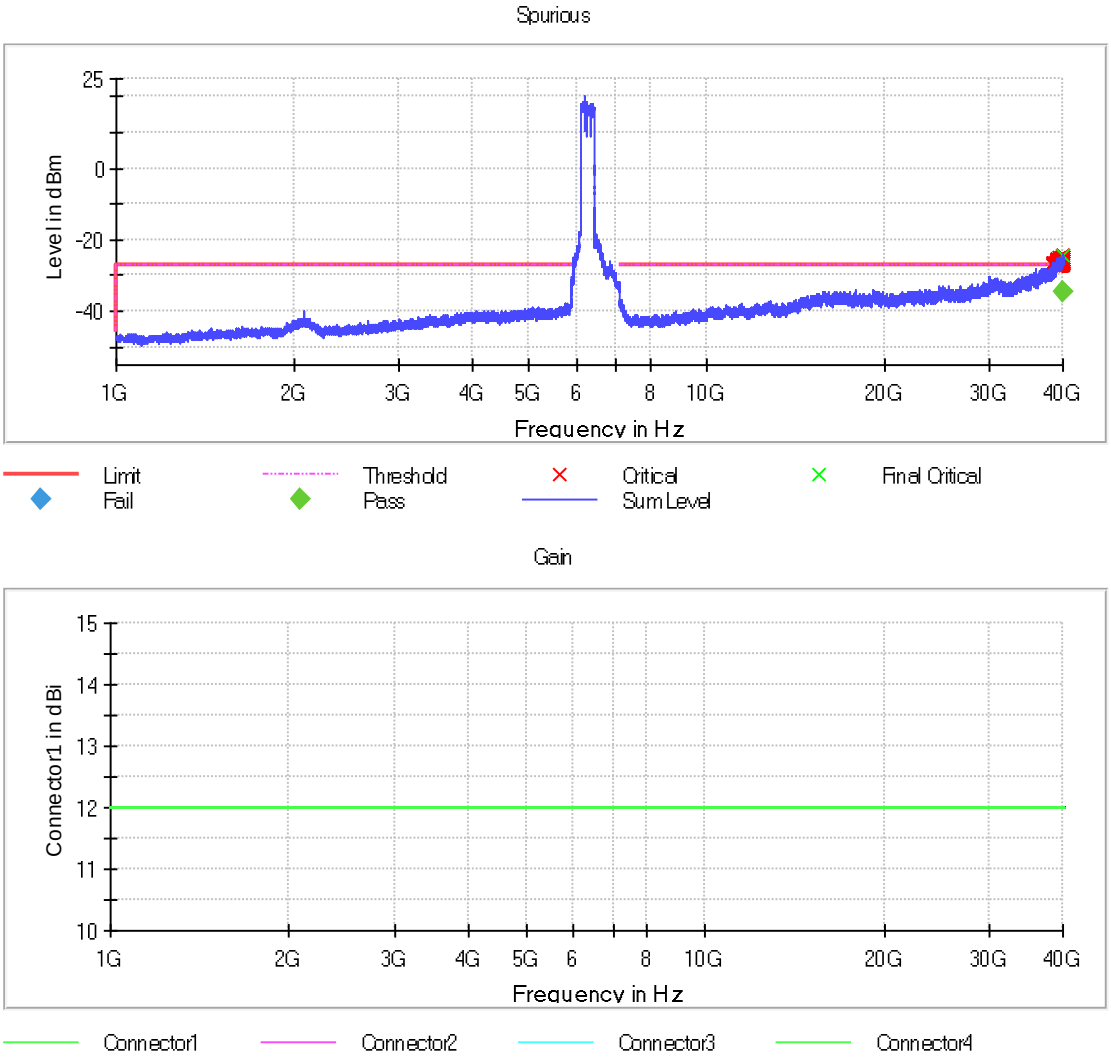
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
39998.250000	-24.3	-34.7	-27.0	7.7	PASS

Pre Measurements

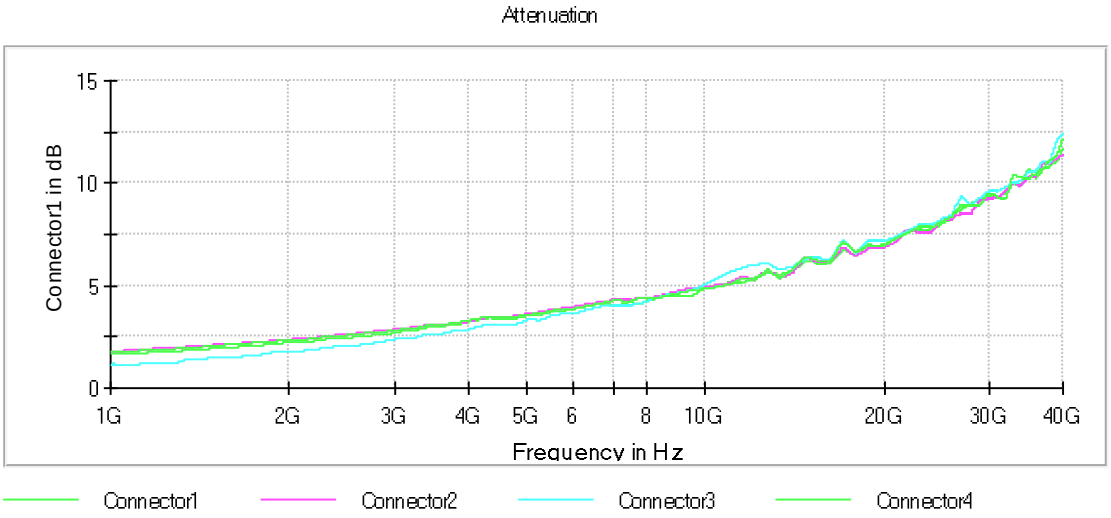
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
39998.250000	-24.3	-2.7	-27.0
39962.750000	-24.4	-2.6	-27.0
39991.250000	-24.4	-2.6	-27.0
39954.750000	-24.5	-2.5	-27.0
39956.750000	-24.5	-2.5	-27.0
39947.250000	-24.6	-2.4	-27.0
39970.750000	-24.6	-2.4	-27.0
39980.250000	-24.6	-2.4	-27.0
39978.250000	-24.7	-2.3	-27.0
39932.750000	-24.7	-2.3	-27.0
39884.250000	-24.7	-2.3	-27.0
39997.750000	-24.7	-2.3	-27.0
39968.750000	-24.8	-2.2	-27.0
39949.250000	-24.8	-2.2	-27.0
39983.750000	-24.8	-2.2	-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) (6265 MHz; 24.000 dBm; 320 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6265.000000	PASS

Final measurements

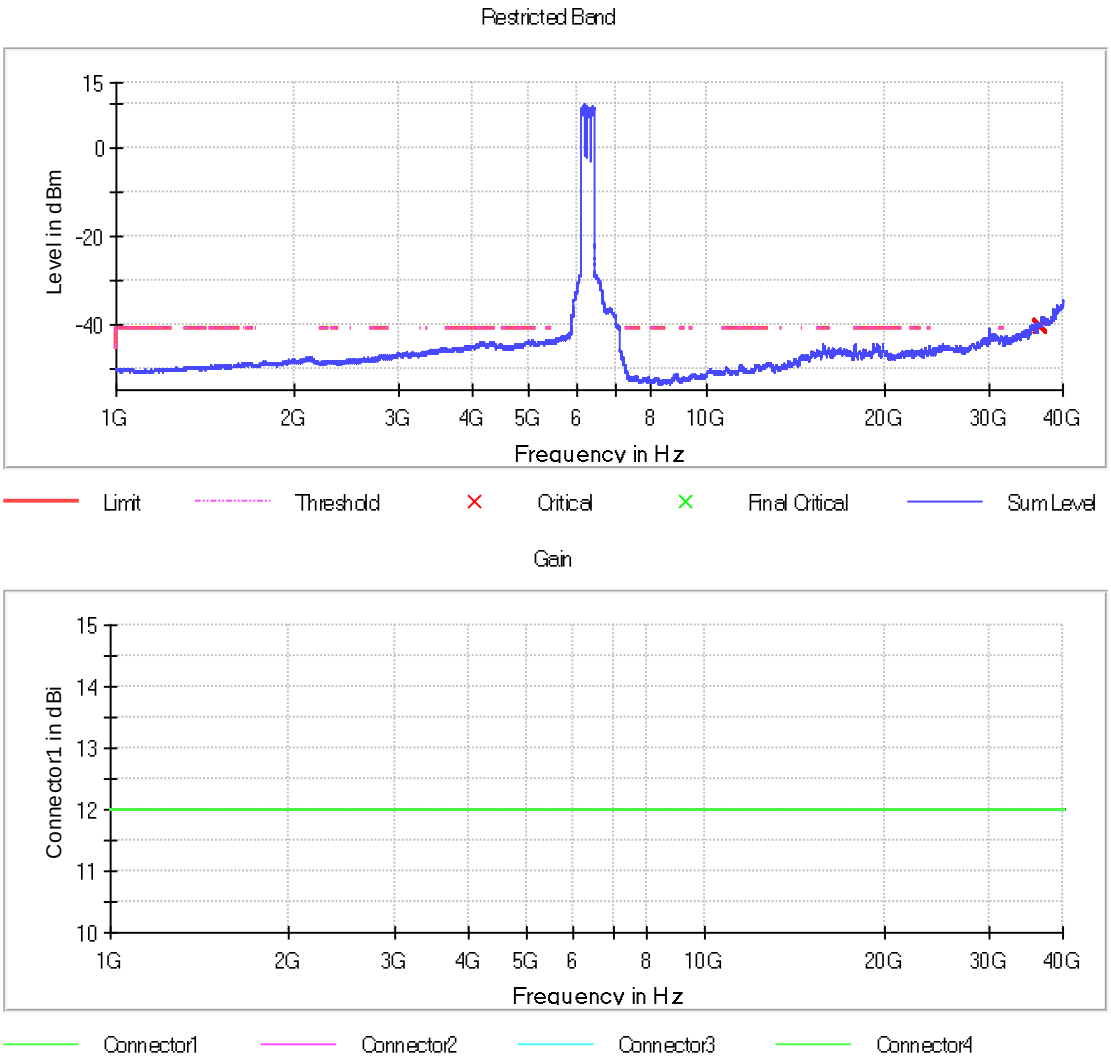
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

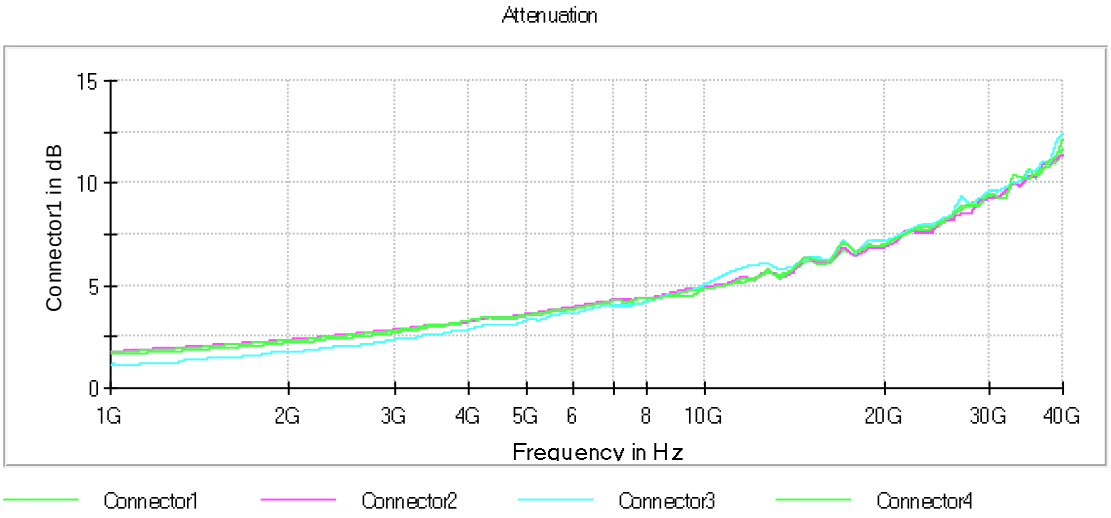
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36492.140871	-40.1	-1.1	-41.2
36484.578607	-40.1	-1.1	-41.2
36476.328865	-40.1	-1.1	-41.2
36490.078435	-40.2	-1.0	-41.2
36498.328177	-40.2	-1.0	-41.2
36483.891128	-40.2	-1.0	-41.2
36489.390957	-40.2	-1.0	-41.2
36495.578263	-40.2	-1.0	-41.2
36494.890785	-40.2	-1.0	-41.2
36499.015656	-40.2	-1.0	-41.2
36494.203306	-40.2	-1.0	-41.2
36481.828693	-40.2	-1.0	-41.2
36474.266429	-40.3	-0.9	-41.2
36479.078779	-40.3	-0.9	-41.2
36471.516515	-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) (6265 MHz; 24.000 dBm; 320 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
6265.000000	PASS

Final measurements

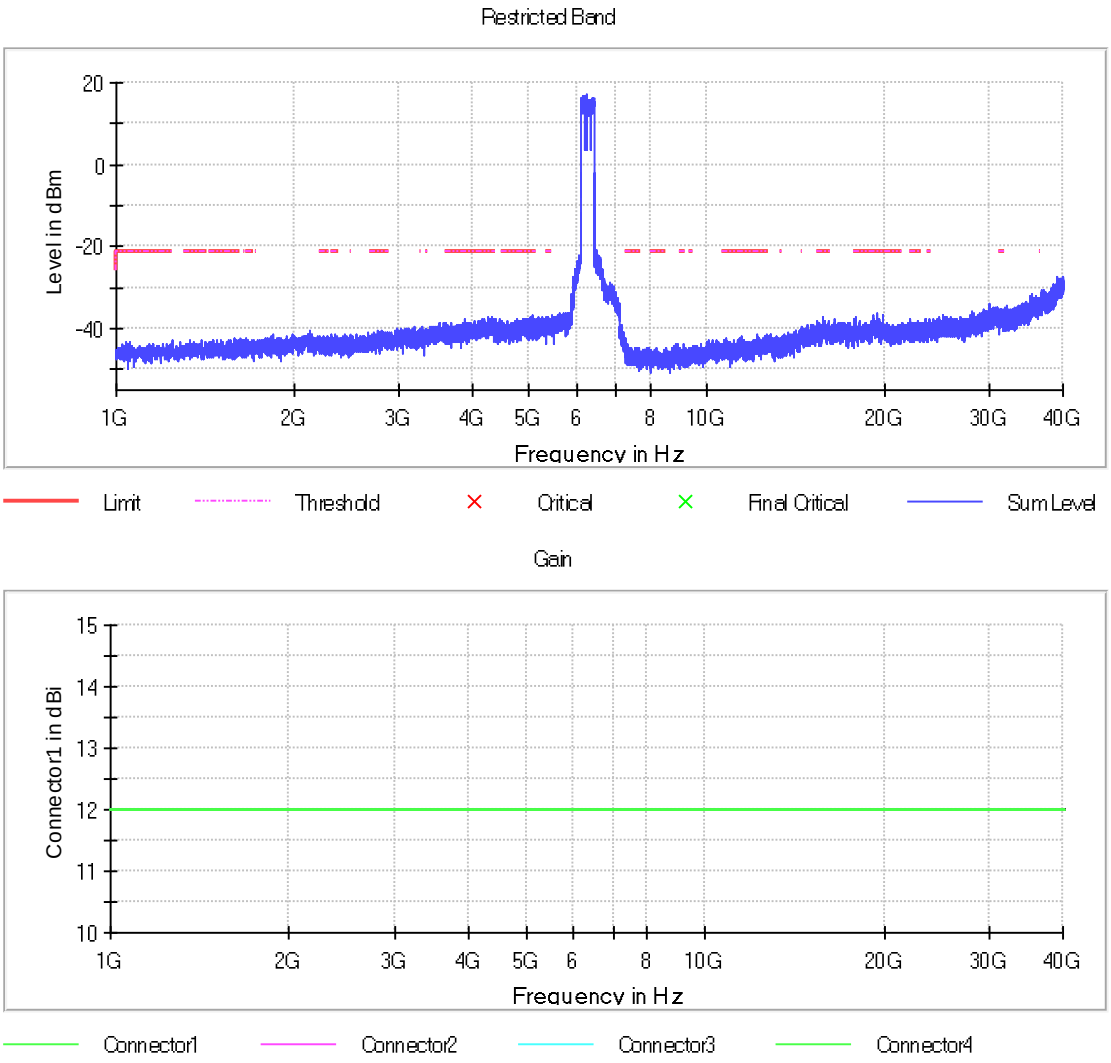
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

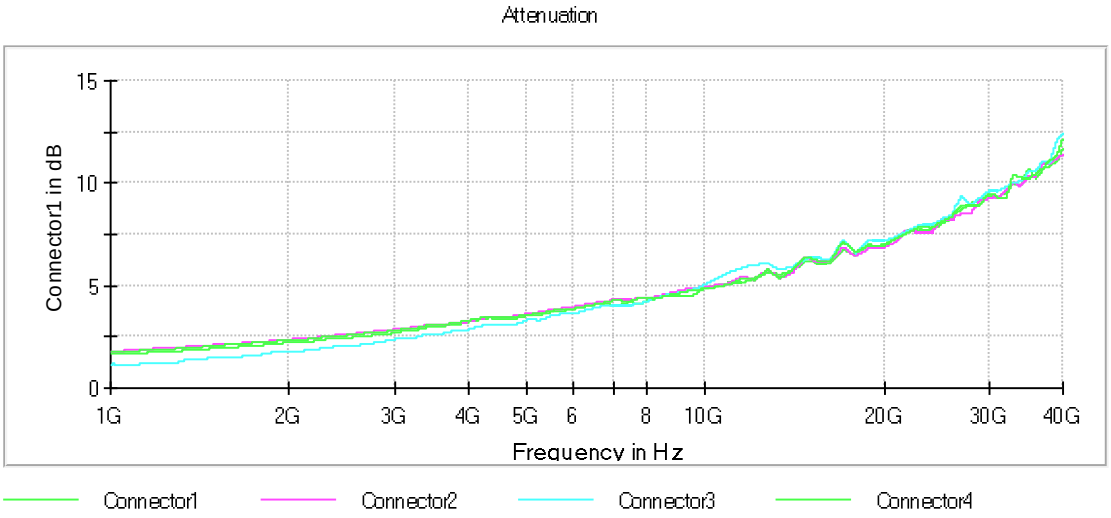
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
36489.390957	-32.6	11.4	-21.2
36499.703134	-33.1	11.9	-21.2
36434.392675	-33.1	11.9	-21.2
36499.015656	-33.3	12.1	-21.2
36430.955283	-33.4	12.2	-21.2
36438.517546	-33.4	12.2	-21.2
36431.642761	-33.4	12.2	-21.2
36463.266773	-33.5	12.3	-21.2
36470.141558	-33.5	12.3	-21.2
36458.454423	-33.5	12.3	-21.2
36482.516171	-33.5	12.3	-21.2
36474.953908	-33.6	12.4	-21.2
36460.516859	-33.7	12.5	-21.2
36494.203306	-33.7	12.5	-21.2
36483.891128	-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

-- End of Report –