

FCC Part 47 §15.247 2400-2483.5 MHz 2018

Hardware Setup: WMS Measurements\TS8997

Spectrum Analyzer:	SA FSV 40 (SA FSV 40) @ VISA (ADR TCPIP::192.168.48.100::inst0::instr), SN 1321.3008K40/101752, FW 3.60
Vector Generator:	VG SMBV100A (VG SMBV100A) @ VISA (ADR TCPIP:::---:---:---:--- ::inst0::instr)
Generator:	SMB100A (SMB100A) @ VISA (ADR TCPIP::192.168.48.110::inst0::INSTR), SN 180599, FW 3.20.390.24 / Drv:Rev 2.21.0, 07/2016, CVI 2015
OSP:	OSP-B157W (OSP-B157W) @ VISA (ADR TCPIP::192.168.48.157::inst0::instr), SN 1527.1144. /, FW 1.27.0.0

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
RF output power	2402.000	24.0	1.000000	PASS
Minimum Emission Bandwidth 6 dB	2402.000	24.0	1.000000	PASS
Peak Power Spectral Density	2402.000	24.0	1.000000	PASS
Occupied Channel Bandwidth 99%	2402.000	24.0	1.000000	PASS
Band Edge low	2402.000	24.0	1.000000	PASS
Tx Spurious Emission	2402.000	24.0	1.000000	PASS
Emissions in restricted frequency bands (Average)	2402.000	24.0	1.000000	PASS
Minimum Emission Bandwidth 6 dB	2442.000	24.0	1.000000	PASS
Occupied Channel Bandwidth 99%	2442.000	24.0	1.000000	PASS
Tx Spurious Emission	2442.000	24.0	1.000000	PASS
Emissions in restricted frequency bands (Average)	2442.000	24.0	1.000000	PASS
Minimum Emission Bandwidth 6 dB	2480.000	24.0	1.000000	PASS
Occupied Channel Bandwidth 99%	2480.000	24.0	1.000000	PASS
Band Edge high	2480.000	24.0	1.000000	PASS
Tx Spurious Emission	2480.000	24.0	1.000000	PASS
Emissions in restricted frequency bands (Average)	2480.000	24.0	1.000000	PASS

RF output power (2402 MHz; 24.000 dBm; 1 MHz)

Customized settings.

Max level (1.4 dBm) over 20.0 dB lower then nominal power level.

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2402.000000	-1.0	30.0	-1.0	100.000	PASS

OSP PowerMeter settings

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

Minimum Emission Bandwidth 6 dB (2402 MHz; 24.000 dBm; 1 MHz)

Customized settings.

Max level (-1.0 dBm) more than 25.0 dB below the nominal power level.

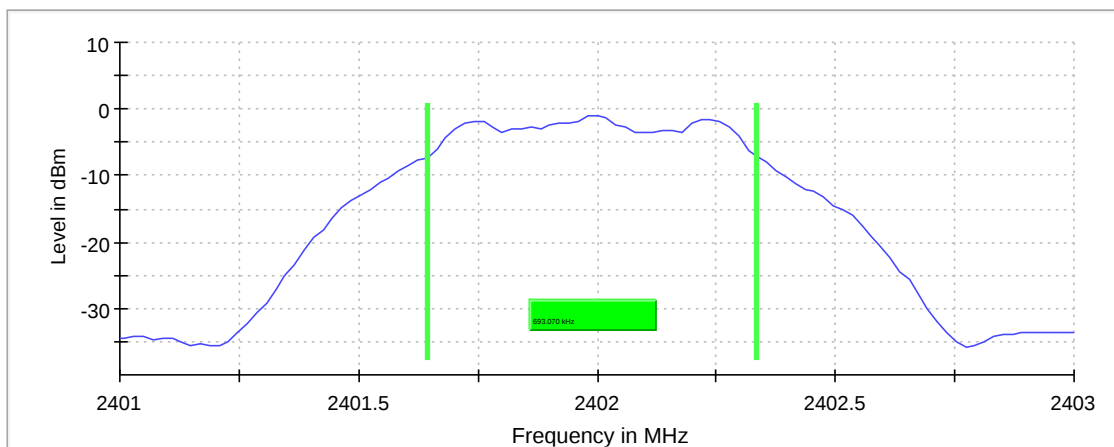
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.693070	0.500000	---	2401.643564	2402.336634

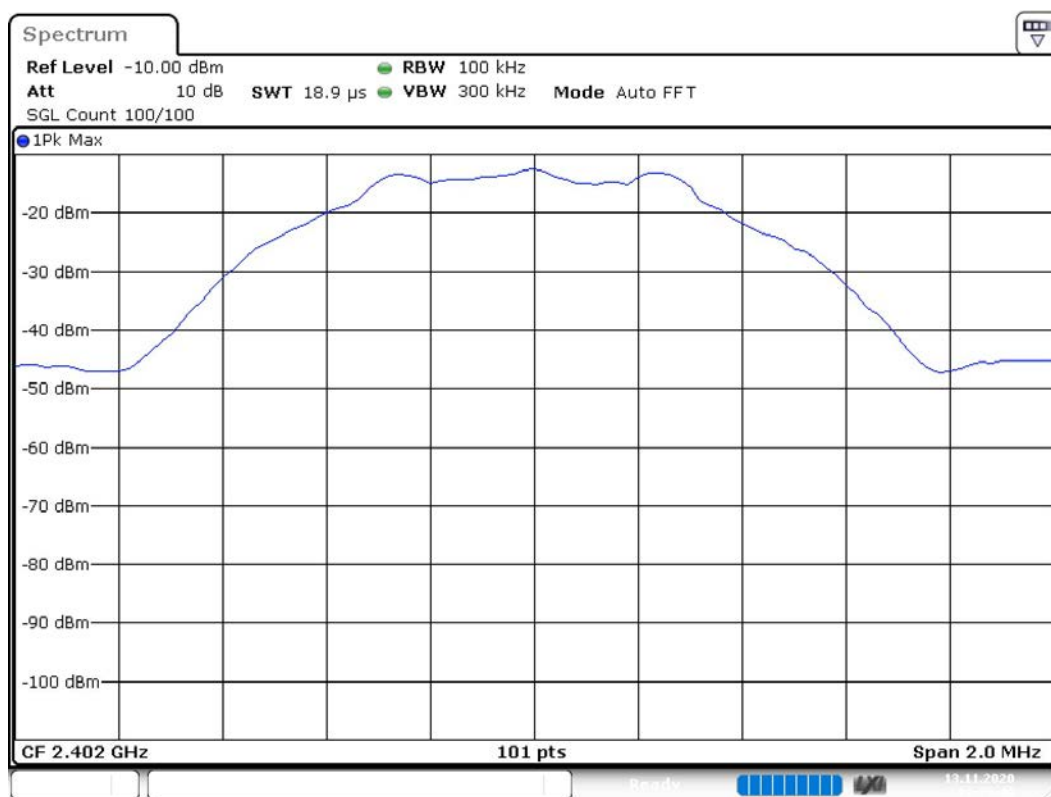
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-1.0	PASS

6 dB Bandwidth



Bandwidth



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Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 40
SweepTime	18.938 μ s	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.09 dB	0.50 dB

Peak Power Spectral Density (2402 MHz; 24.000 dBm; 1 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2402.000000	2401.887500	-10.814	8.0	PASS

Ports

Port	State
1	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40125 GHz	2.40125 GHz
Stop Frequency	2.40275 GHz	2.40275 GHz
Span	1.500 MHz	1.500 MHz
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	300	~ 300
SweepTime	1.500 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	2 / 2	2
Max Stable Difference	0.11 dB	0.50 dB

Occupied Channel Bandwidth 99% (2402 MHz; 24.000 dBm; 1 MHz)

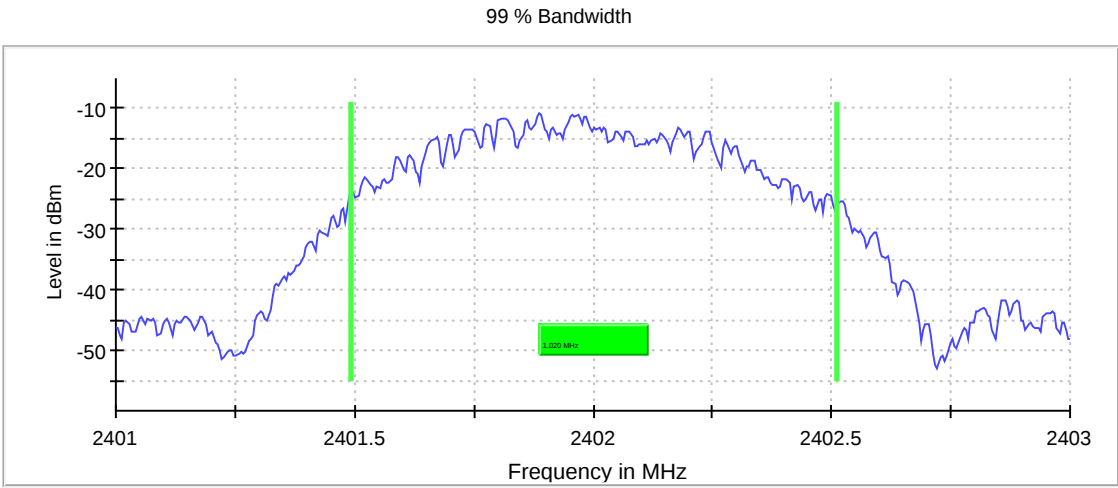
Customized settings.

99 % Bandwidth

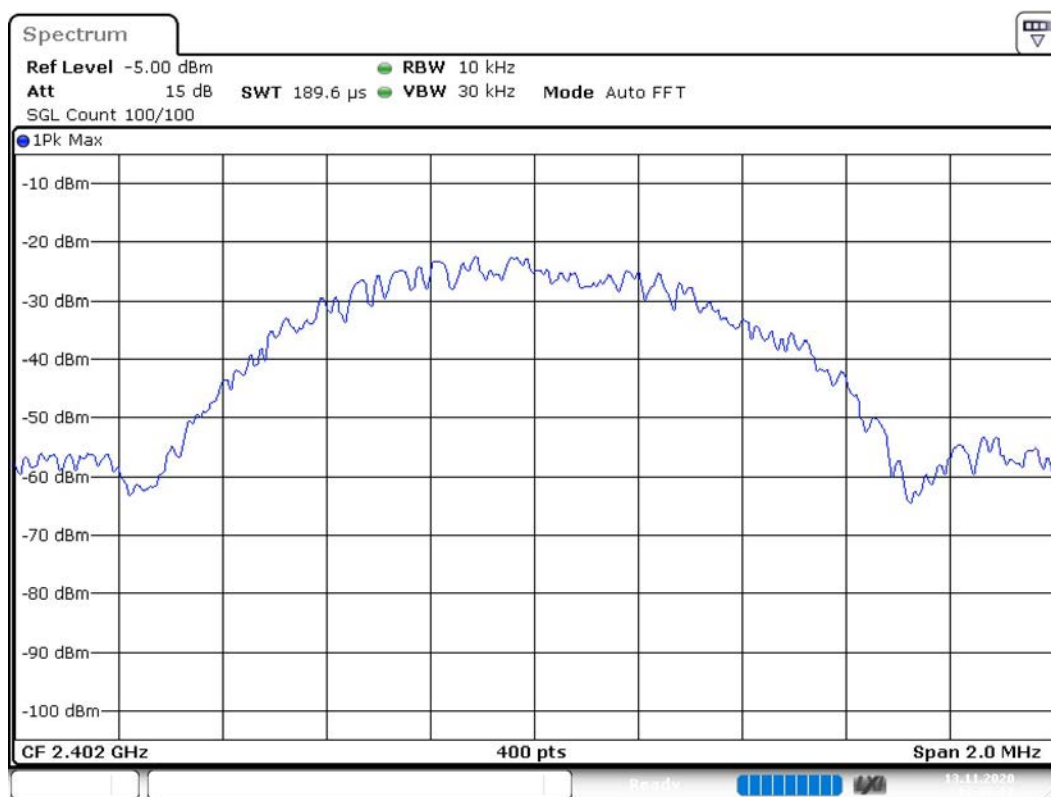
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.020000	---	---	2401.492500	2402.512500

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

DUT Frequency (MHz)	Result
2402.000000	PASS



Bandwidth



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Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	≥ 10.000 kHz
VBW	30.000 kHz	≥ 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 μ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	5 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.09 dB	0.30 dB

Band Edge low (2402 MHz; 24.000 dBm; 1 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
2402.000000	PASS

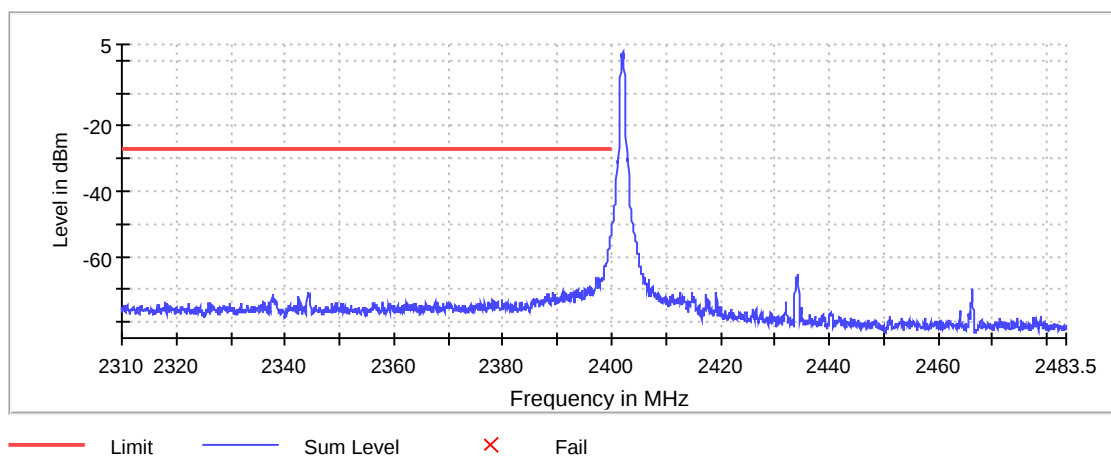
Inband Peak

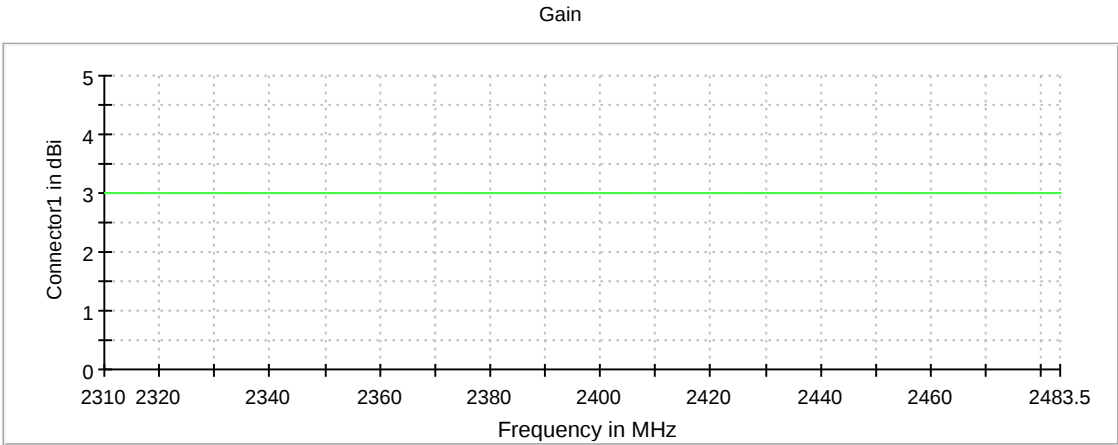
Frequency (MHz)	Level (dBm)
2401.975000	2.7

Measurements

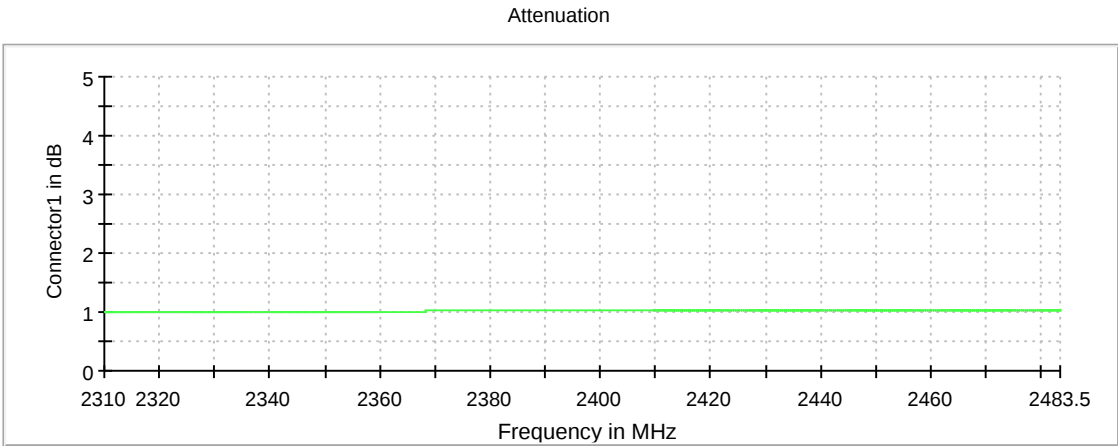
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.975000	-51.3	24.0	-27.3	PASS
2399.925000	-52.0	24.7	-27.3	PASS
2399.875000	-52.9	25.6	-27.3	PASS
2399.825000	-53.6	26.3	-27.3	PASS
2399.775000	-54.2	26.9	-27.3	PASS
2399.725000	-54.8	27.5	-27.3	PASS
2399.675000	-55.6	28.3	-27.3	PASS
2399.625000	-56.3	29.0	-27.3	PASS
2399.575000	-57.1	29.8	-27.3	PASS
2399.525000	-57.4	30.1	-27.3	PASS
2399.475000	-57.6	30.3	-27.3	PASS
2399.425000	-58.0	30.7	-27.3	PASS
2399.375000	-59.0	31.7	-27.3	PASS
2399.325000	-60.1	32.8	-27.3	PASS
2399.275000	-60.7	33.4	-27.3	PASS

Band Edge



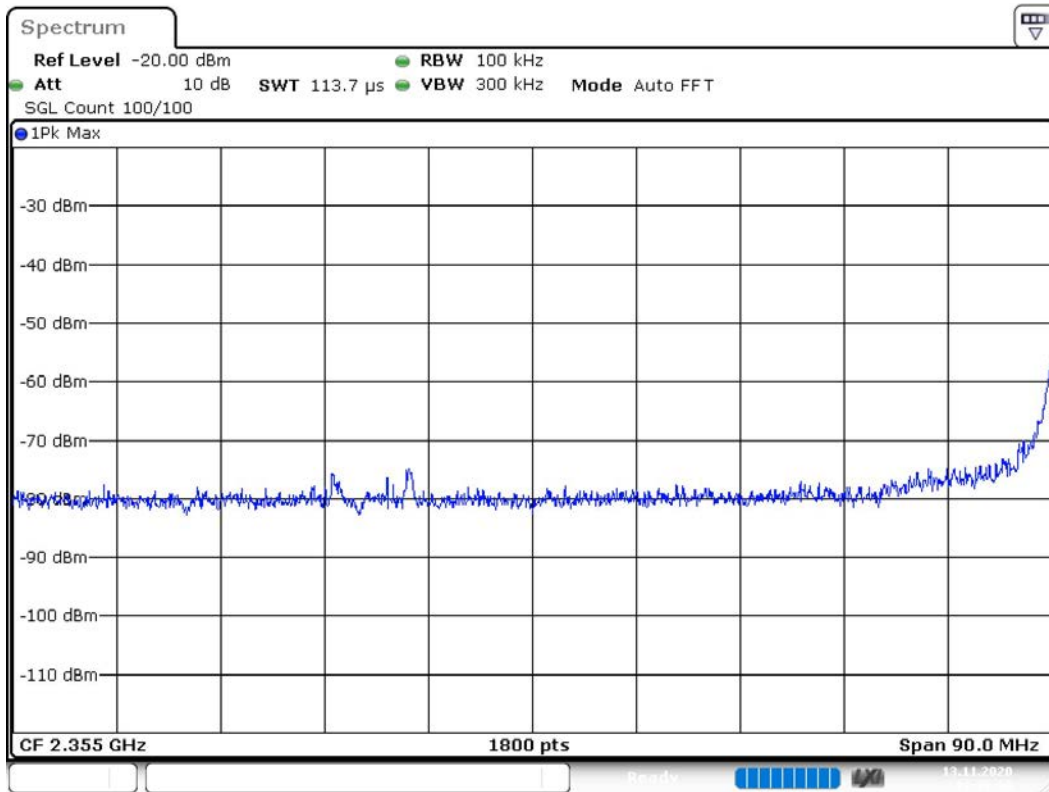


Connector1



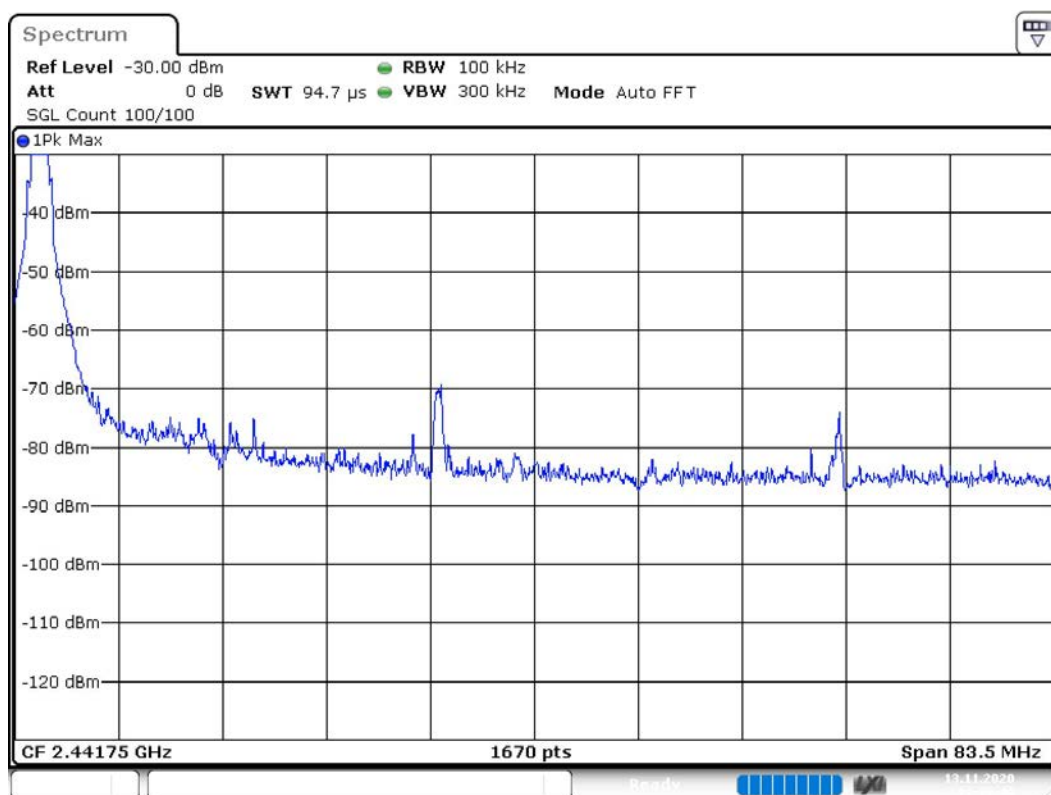
Connector1

Band Edge Connector 1_0



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Band Edge Connector 1_1



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Measurement 1

Setting	Instrument Value	Target Value
Start Frequency	2.31000 GHz	2.31000 GHz
Stop Frequency	2.40000 GHz	2.40000 GHz
Span	90.000 MHz	90.000 MHz
RBW	100.000 kHz	$\leq$ 100.000 kHz
VBW	300.000 kHz	$\geq$ 300.000 kHz
SweepPoints	1800	~ 1800
Sweeptime	113.672 μ s	AUTO
Reference Level	-20.000 dBm	-30.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	5 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Measurement 2

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1670	~ 1670
SweepTime	94.727 μ s	AUTO
Reference Level	-30.000 dBm	-30.000 dBm
Attenuation	0.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	6 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.45 dB	0.50 dB

Tx Spurious Emission (2402 MHz; 24.000 dBm; 1 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
2402.000000	PASS

Final measurements

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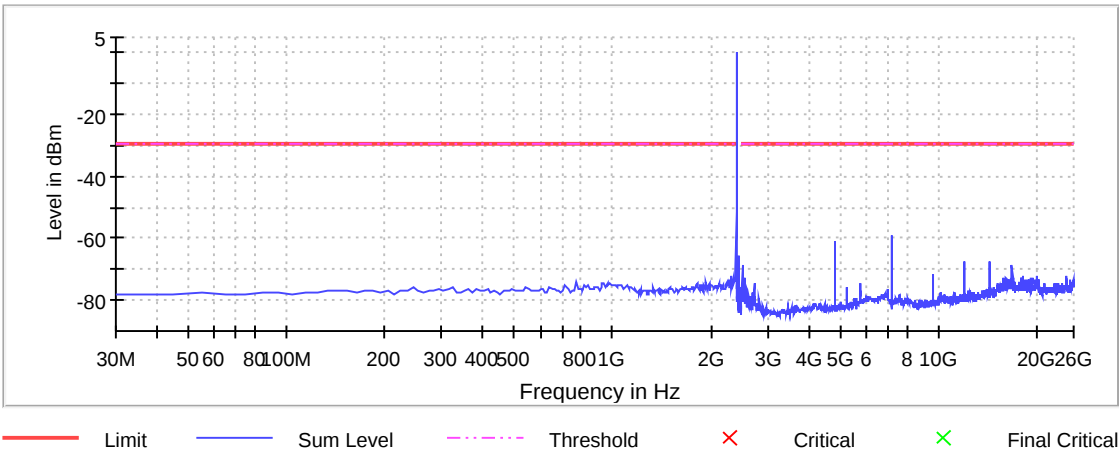
Pre Measurements

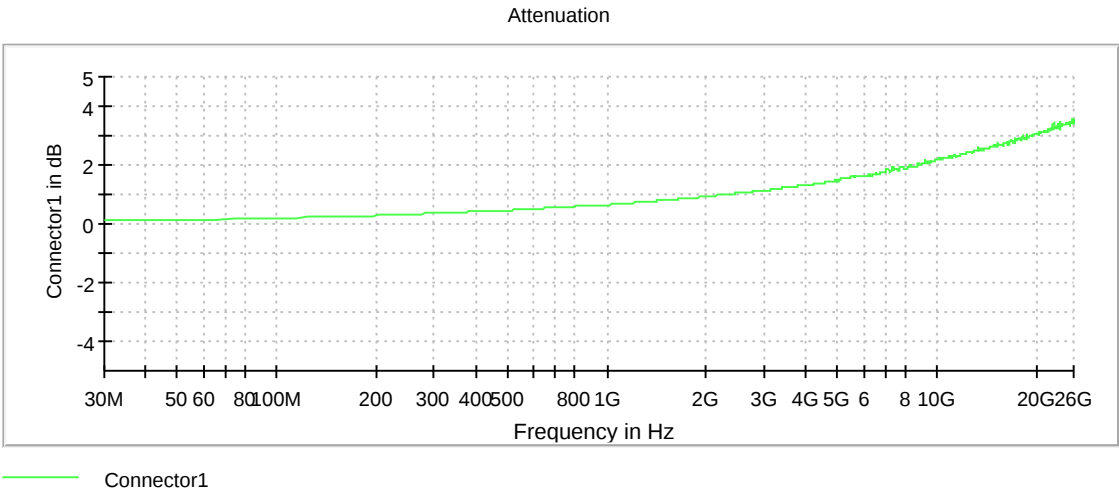
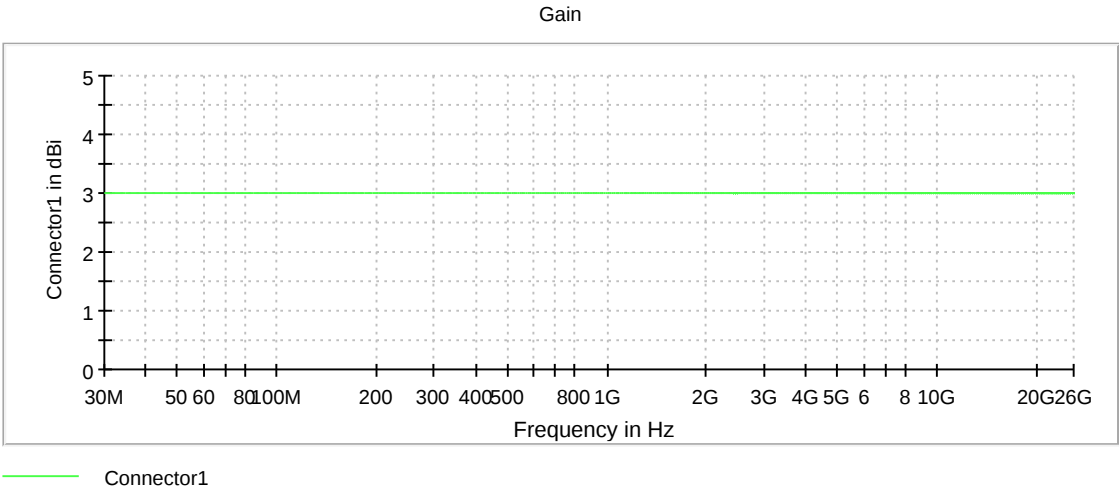
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2395.021008	-51.5	21.9	-29.6
7205.789099	-59.0	29.3	-29.6
4807.166065	-60.8	31.2	-29.6
14411.652465	-67.3	37.7	-29.6
12013.029431	-67.3	37.7	-29.6
2498.491394	-68.5	38.9	-29.6
16810.275499	-68.7	39.1	-29.6
9604.412133	-71.5	41.8	-29.6
2305.399160	-72.1	42.5	-29.6
18229.460795	-72.1	42.5	-29.6
19918.491181	-72.2	42.5	-29.6
24555.829048	-72.3	42.7	-29.6
19908.496919	-72.3	42.7	-29.6
17899.650127	-72.6	42.9	-29.6
19248.875584	-72.6	43.0	-29.6

Measurement Settings

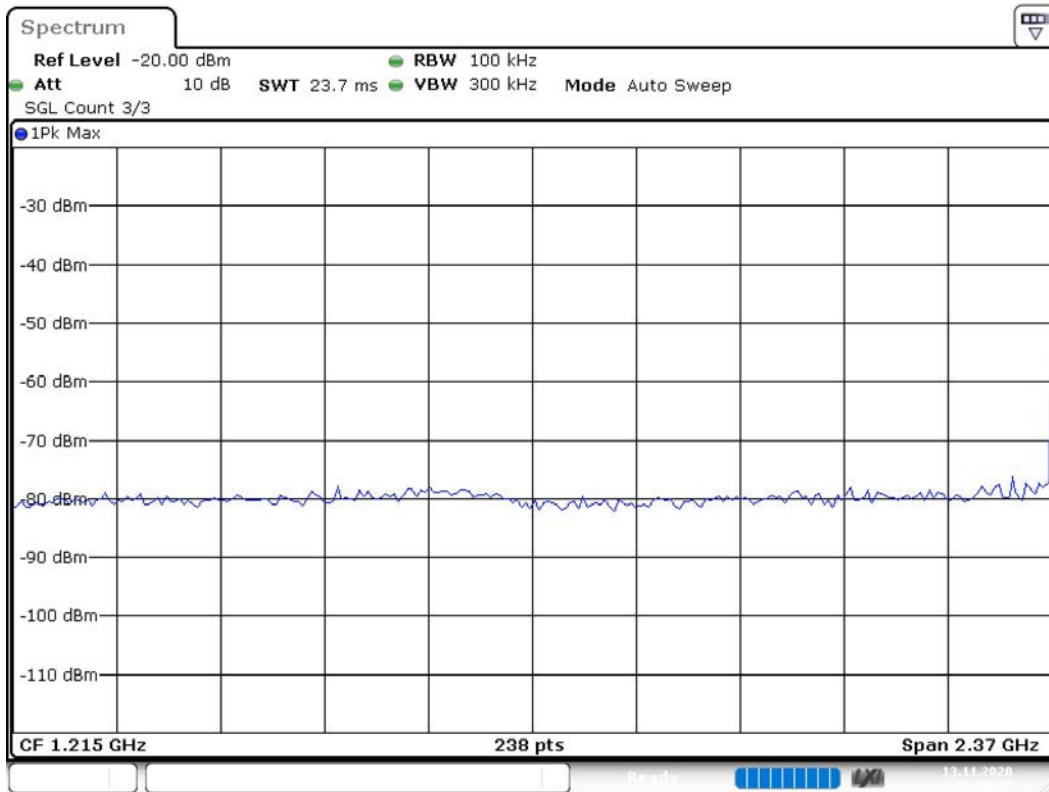
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



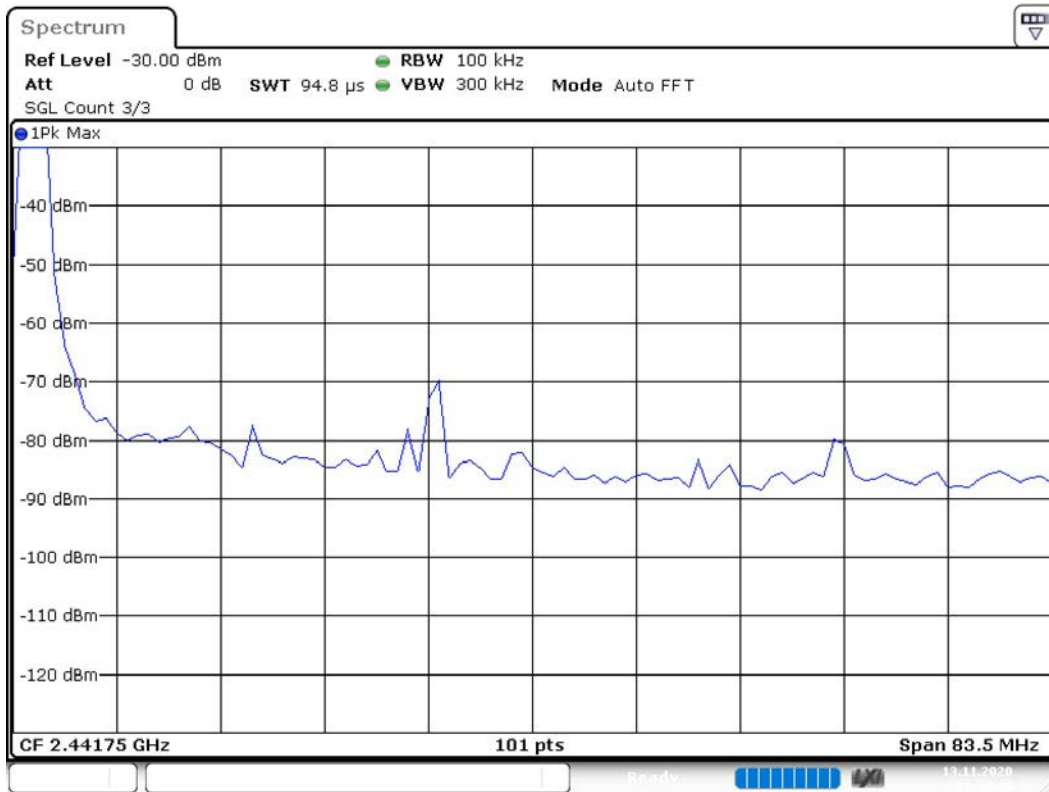


Spurious Connector 1_0



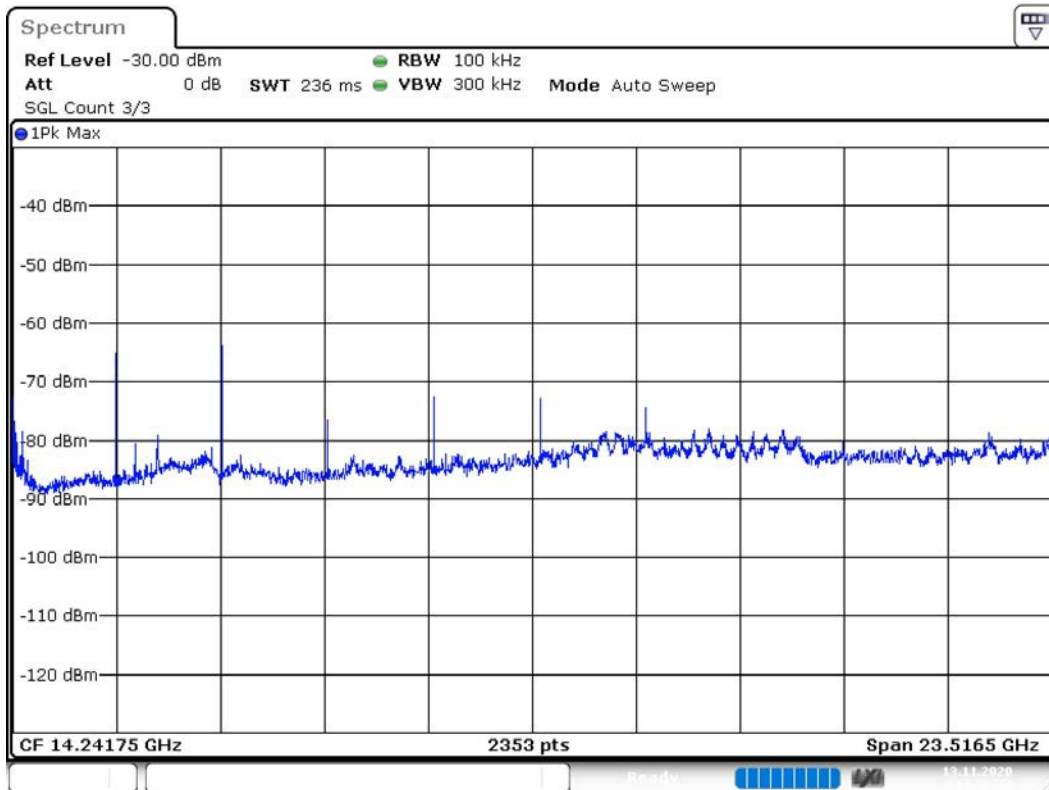
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Spurious Connector 1_1



Date: 13.NOV.2020 13:34:40

Spurious Connector 1_2



Date: 13.NOV.2020 13:35:18

Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	-20.000 dBm	-30.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	6 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Emissions in restricted frequency bands (Average) (2402 MHz; 24.000 dBm; 1 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
2402.000000	PASS

Final measurements

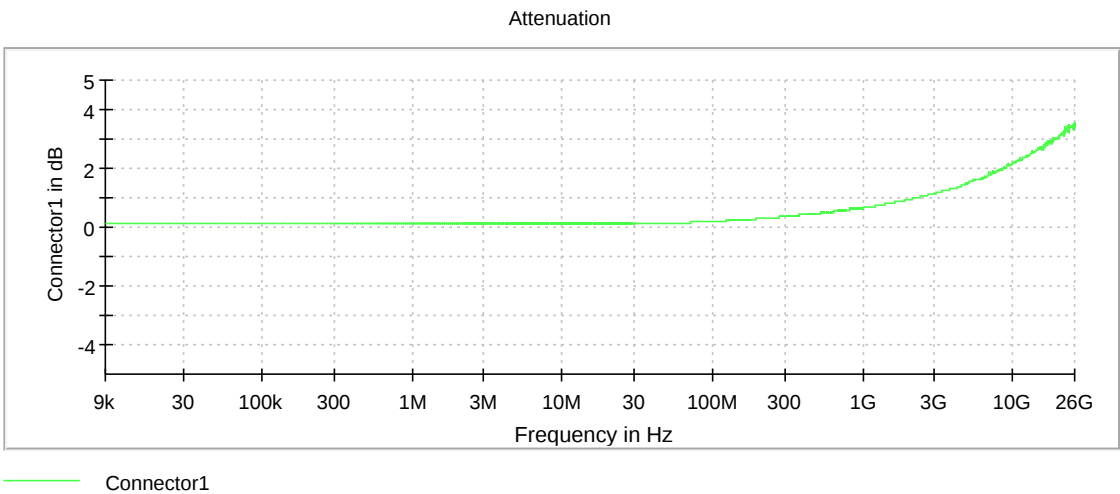
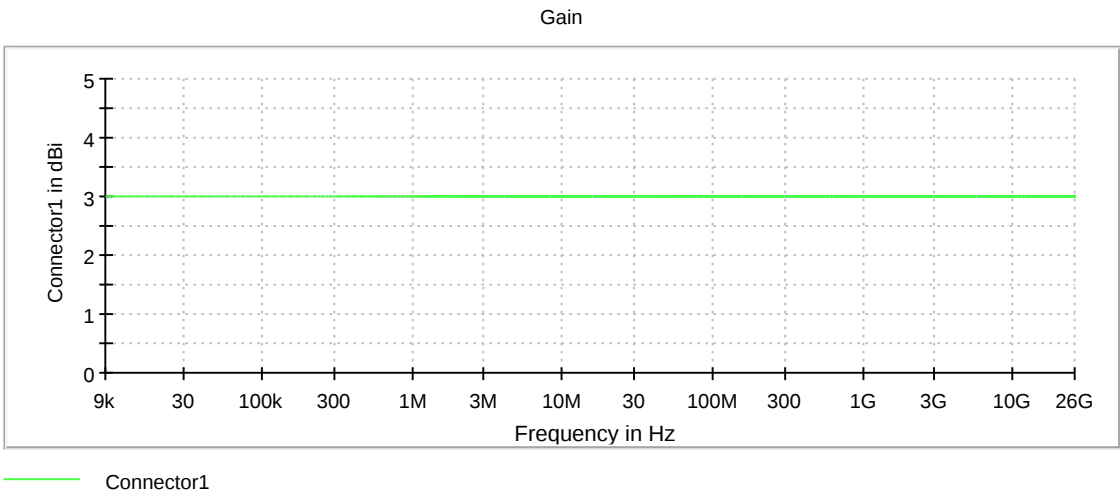
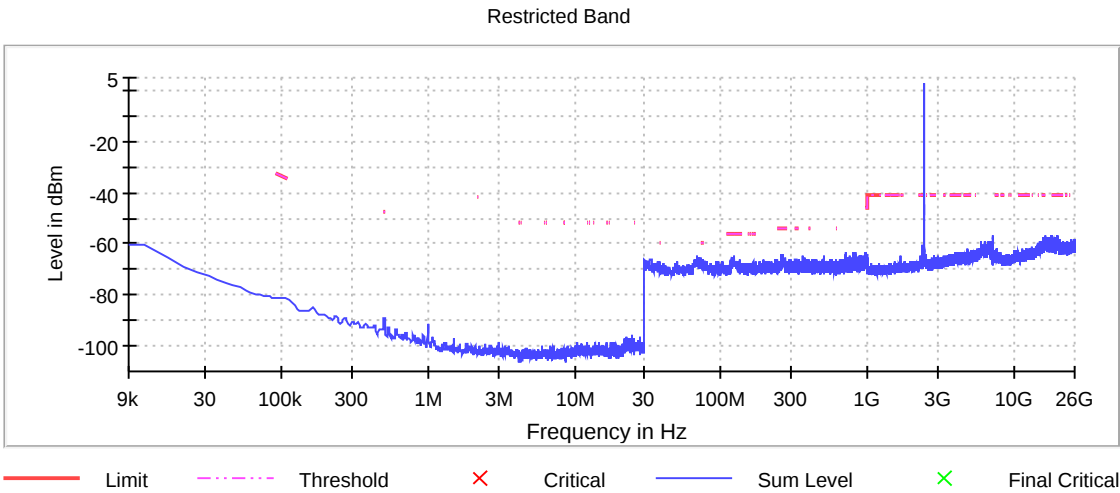
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

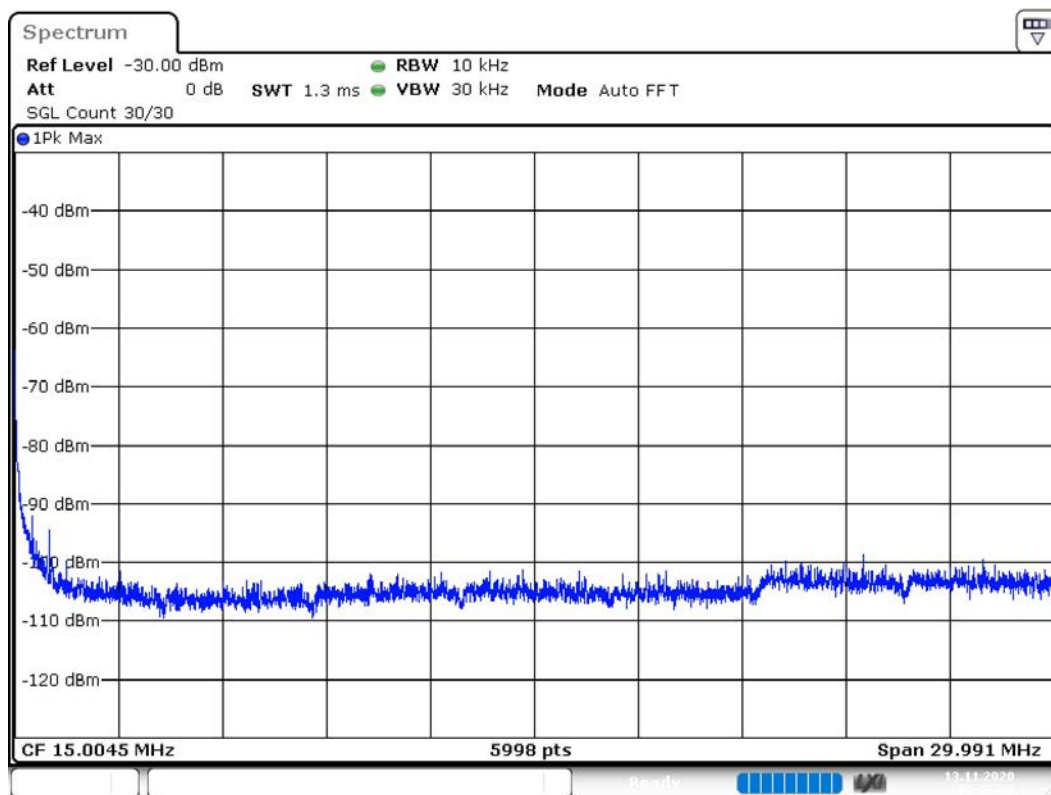
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
74.575000	-65.9	6.0	-59.9
74.225000	-66.3	6.4	-59.9
74.275000	-66.5	6.6	-59.9
37.975000	-66.8	6.9	-59.9
38.025000	-66.8	6.9	-59.9
74.825000	-67.0	7.1	-59.9
74.525000	-67.2	7.3	-59.9
74.175000	-67.4	7.5	-59.9
73.525000	-67.6	7.7	-59.9
74.325000	-67.6	7.7	-59.9
73.375000	-67.9	8.0	-59.9
73.575000	-67.9	8.0	-59.9
74.375000	-68.0	8.1	-59.9
73.425000	-68.0	8.1	-59.9
73.025000	-68.1	8.2	-59.9

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	7000.000000	1	1
7000.000000	26000.000000	1	1

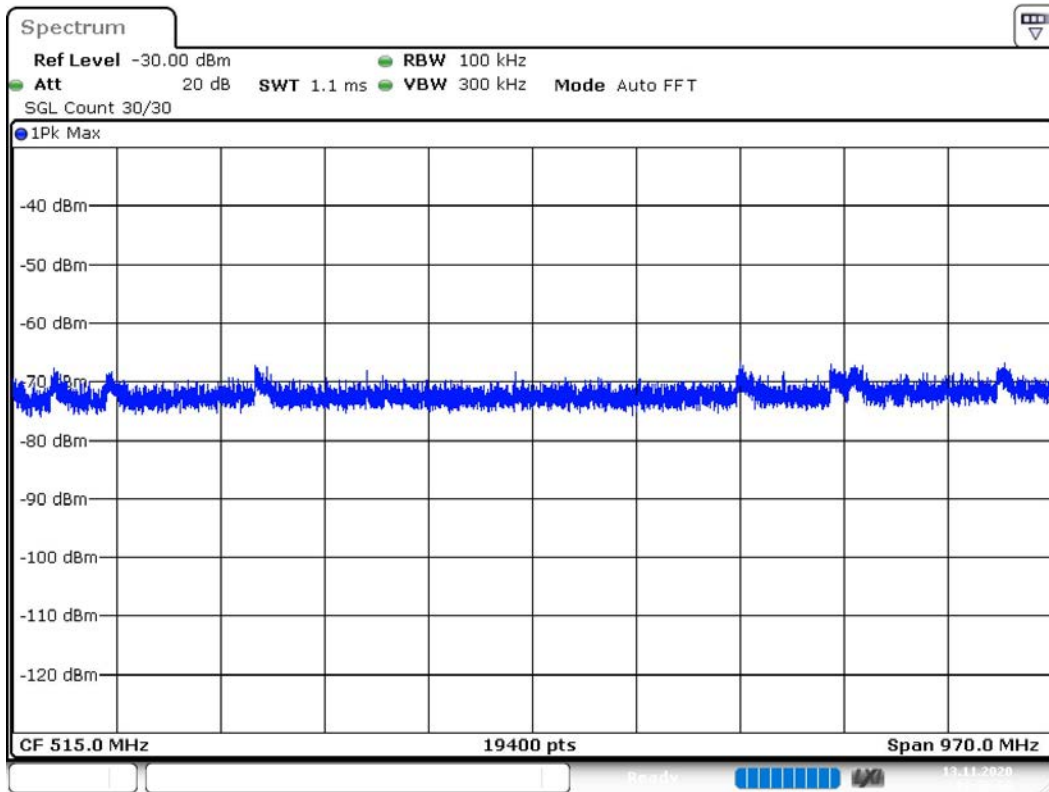


Restricted Band Connector 1_0



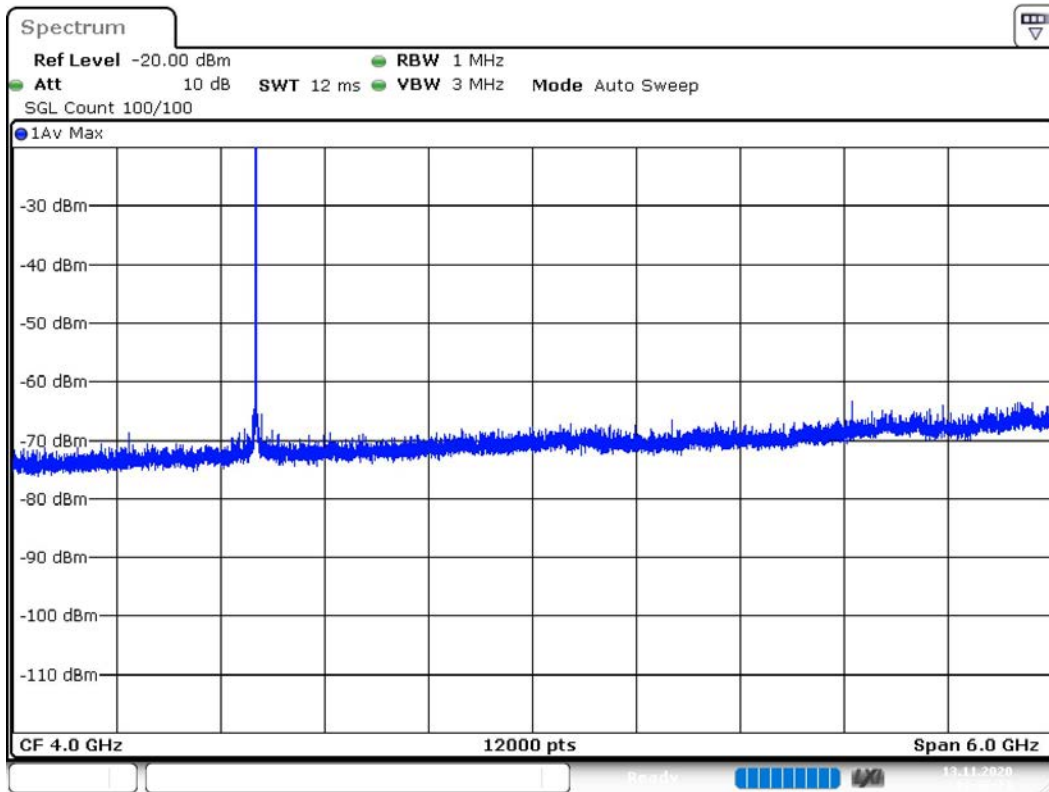
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Restricted Band Connector 1_1



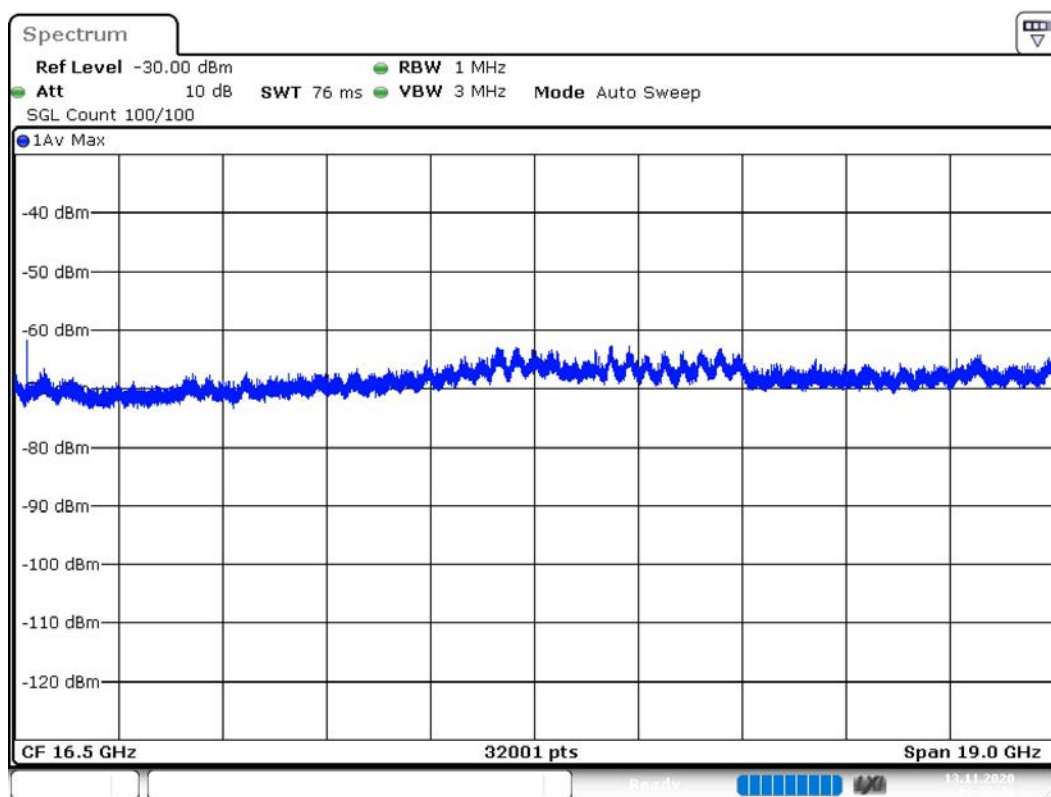
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Restricted Band Connector 1_2



Date: 13.NOV.2020 13:36:24

Restricted Band Connector 1_3



Date: 13.NOV.2020 13:38:47

Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	12000	~ 12000
SweepTime	12.000 ms	AUTO
Reference Level	-20.000 dBm	-30.000 dBm
Attenuation	10.000 dB	AUTO
Detector	Average	Average
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.03 dB	0.50 dB

Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	5998	~ 5998
SweepTime	1.327 ms	AUTO
Reference Level	-30.000 dBm	-30.000 dBm
Attenuation	0.000 dB	AUTO

Setting	Instrument Value	Target Value
Detector	MaxPeak	MaxPeak
SweepCount	30	30
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.39 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2442 MHz; 24.000 dBm; 1 MHz)

Customized settings.

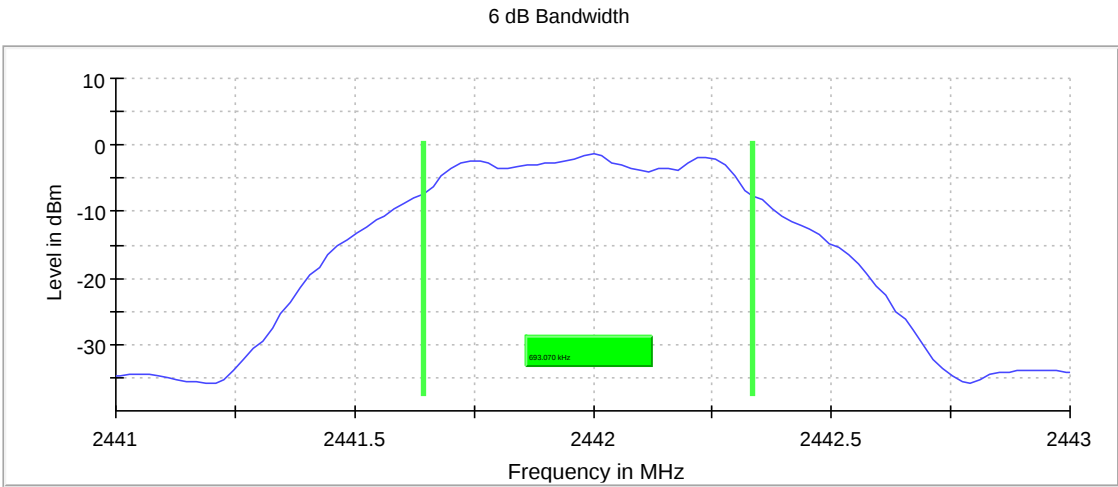
Max level (-1.3 dBm) more than 25.0 dB below the nominal power level.

6 dB Bandwidth

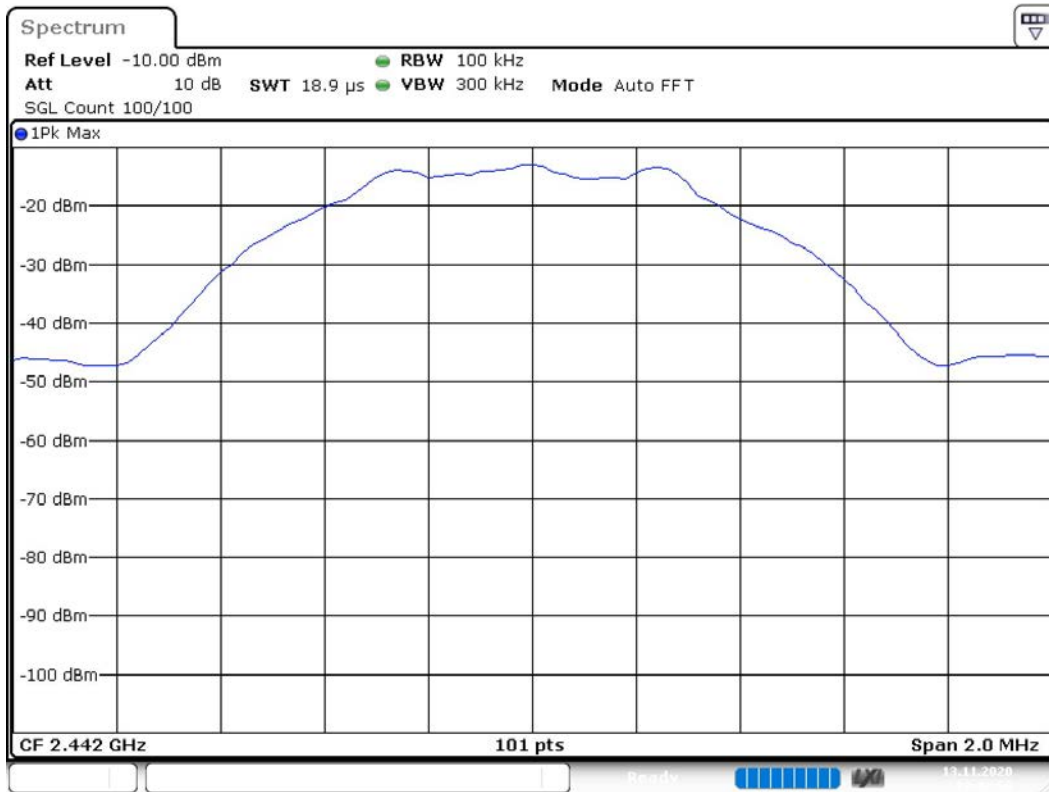
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2442.000000	0.693070	0.500000	---	2441.643564	2442.336634

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2442.000000	-1.3	PASS



Bandwidth



Date: 13.NOV.2020 13:42:50

Occupied Channel Bandwidth 99% (2442 MHz; 24.000 dBm; 1 MHz)

Customized settings.

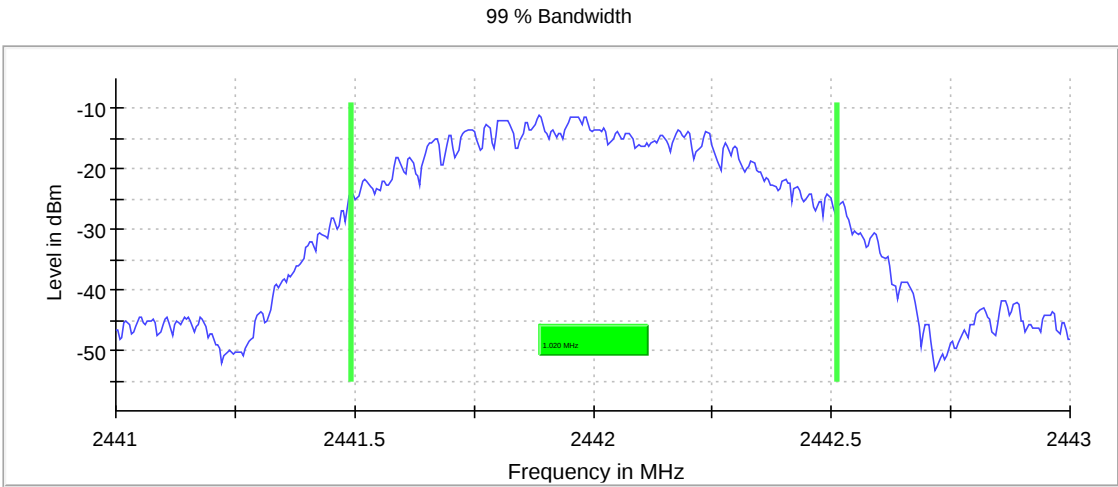
Max level (-11.1 dBm) more than 35.0 dB below the nominal power level.

99 % Bandwidth

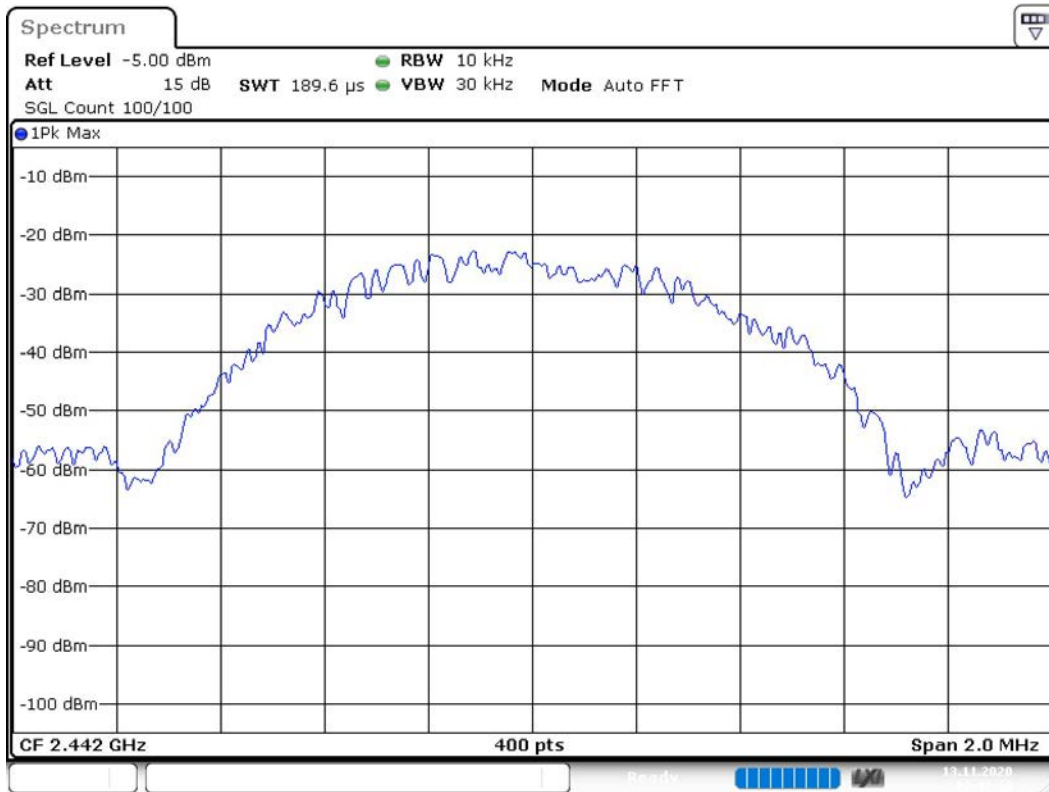
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2442.000000	1.020000	---	---	2441.492500	2442.512500

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

DUT Frequency (MHz)	Result
2442.000000	PASS



Bandwidth



Date: 13.NOV.2020 13:43:20

Tx Spurious Emission (2442 MHz; 24.000 dBm; 1 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
2442.000000	PASS

Final measurements

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

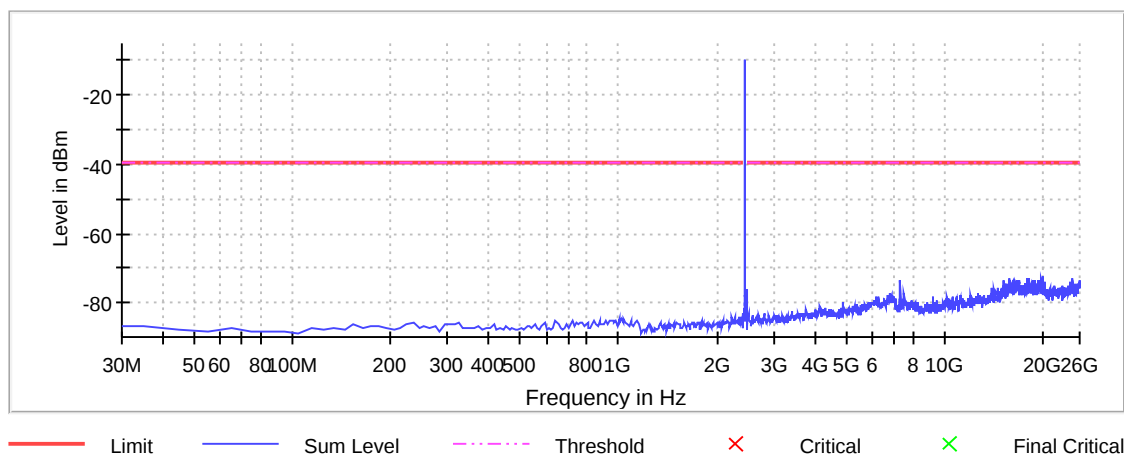
Pre Measurements

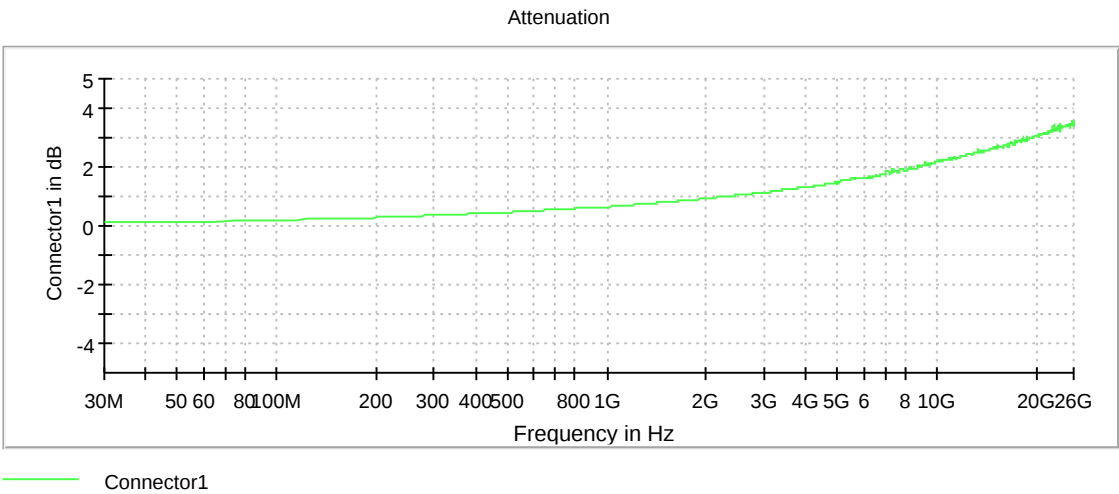
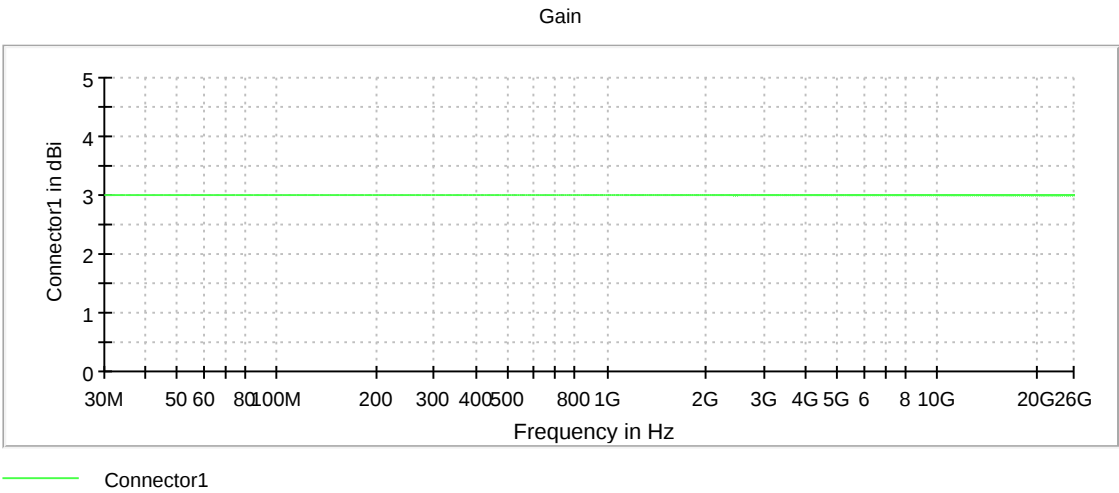
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
19908.496919	-72.3	32.8	-39.5
19898.502656	-72.9	33.3	-39.5
24605.800361	-72.9	33.3	-39.5
15810.849235	-72.9	33.4	-39.5
17879.661602	-72.9	33.4	-39.5
18249.449320	-73.2	33.7	-39.5
19848.531343	-73.2	33.7	-39.5
17899.650127	-73.2	33.7	-39.5
16140.659902	-73.3	33.7	-39.5
15880.809074	-73.3	33.7	-39.5
7325.720251	-73.3	33.8	-39.5
19518.720676	-73.3	33.8	-39.5
18199.478007	-73.3	33.8	-39.5
19558.697726	-73.3	33.8	-39.5
24685.754462	-73.4	33.9	-39.5

Measurement Settings

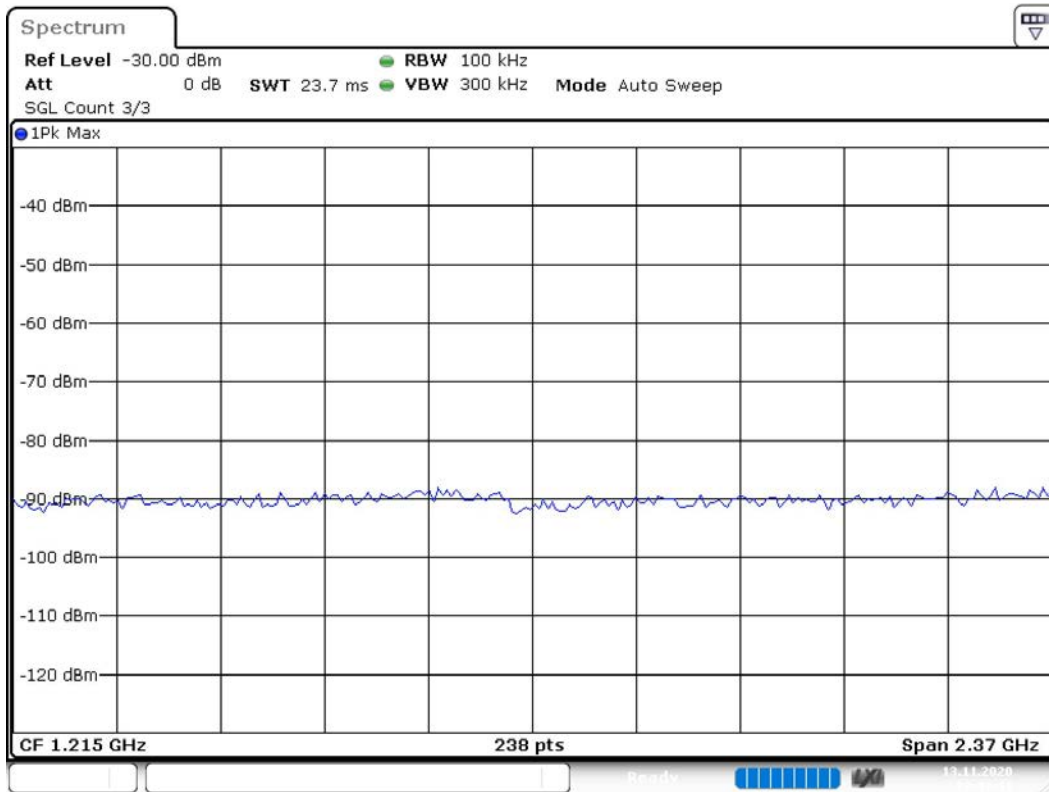
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



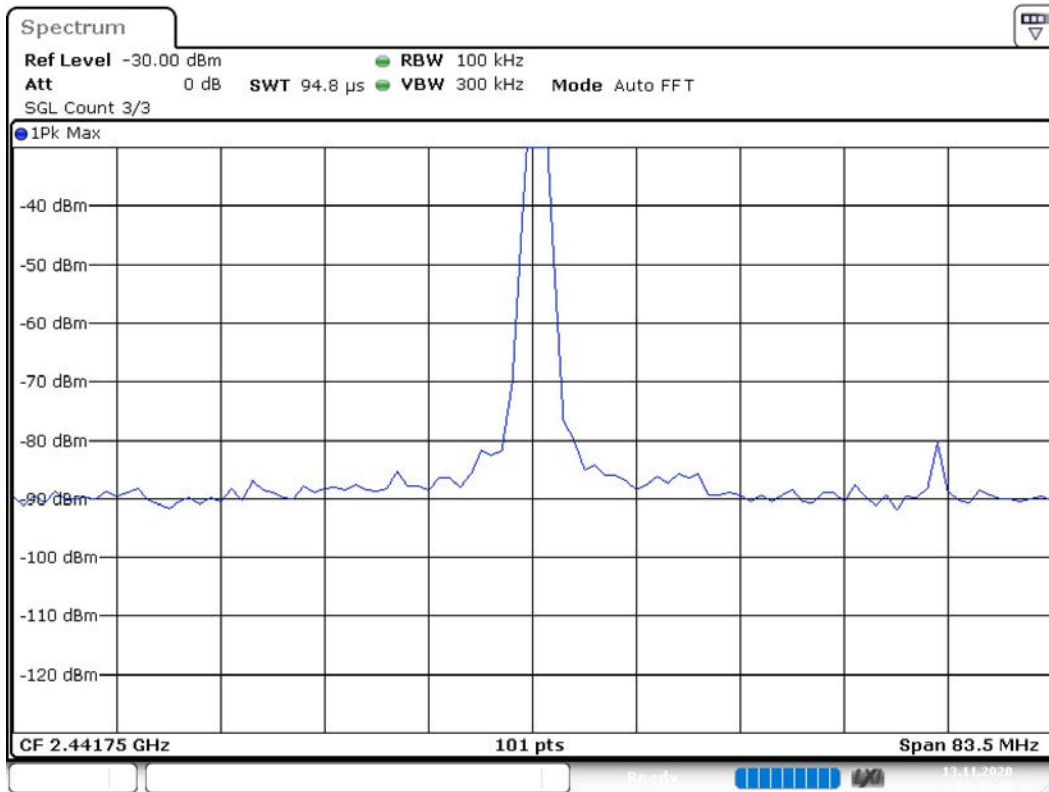


Spurious Connector 1_0



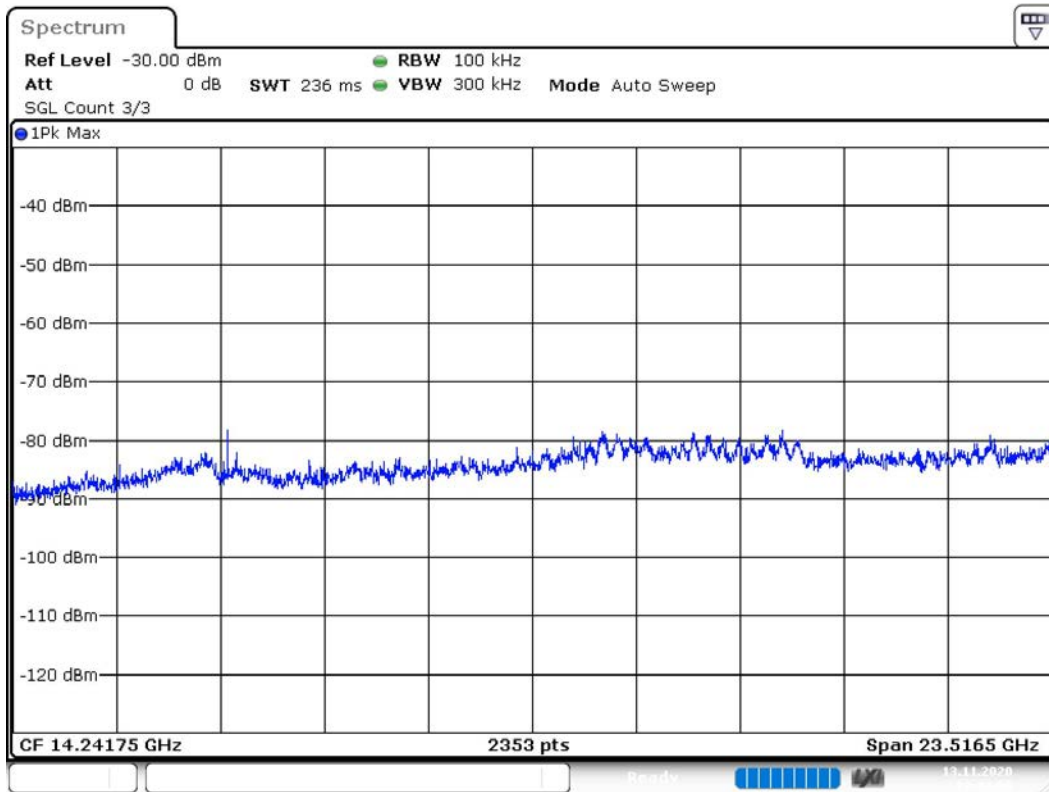
Date: 13.NOV.2020 13:43:42

Spurious Connector 1_1



Date: 13.NOV.2020 13:43:49

Spurious Connector 1_2



Date: 13.NOV.2020 13:44:06

Emissions in restricted frequency bands (Average) (2442 MHz; 24.000 dBm; 1 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
2442.000000	PASS

Final measurements

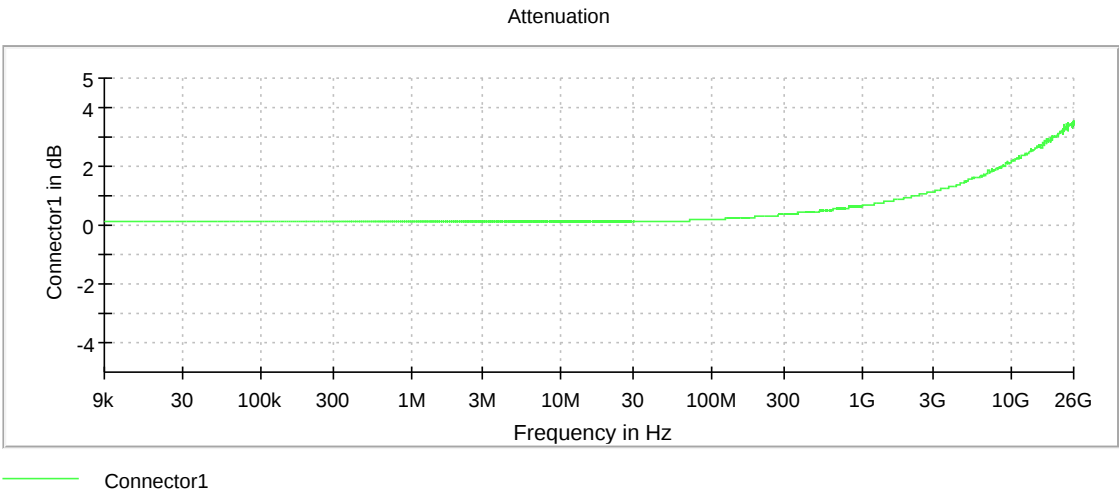
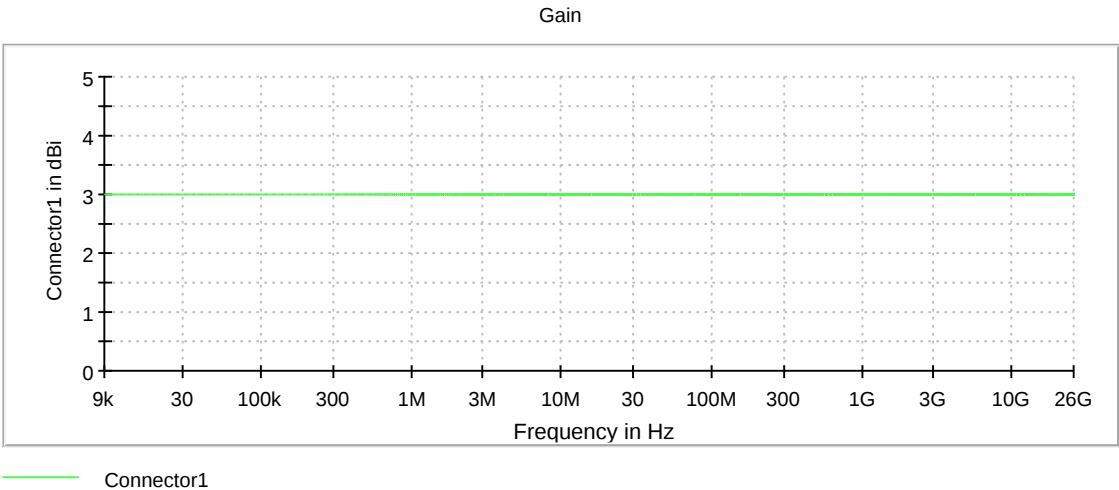
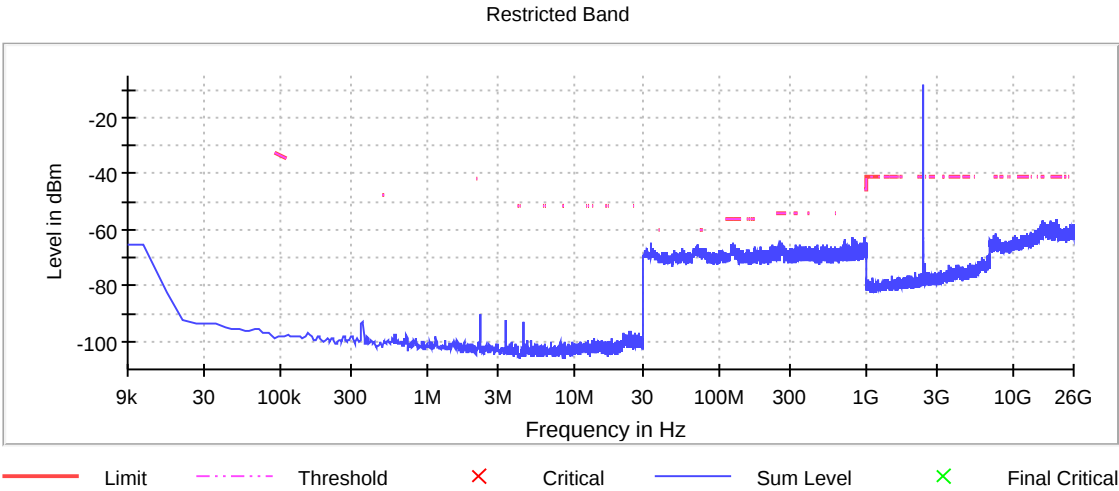
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

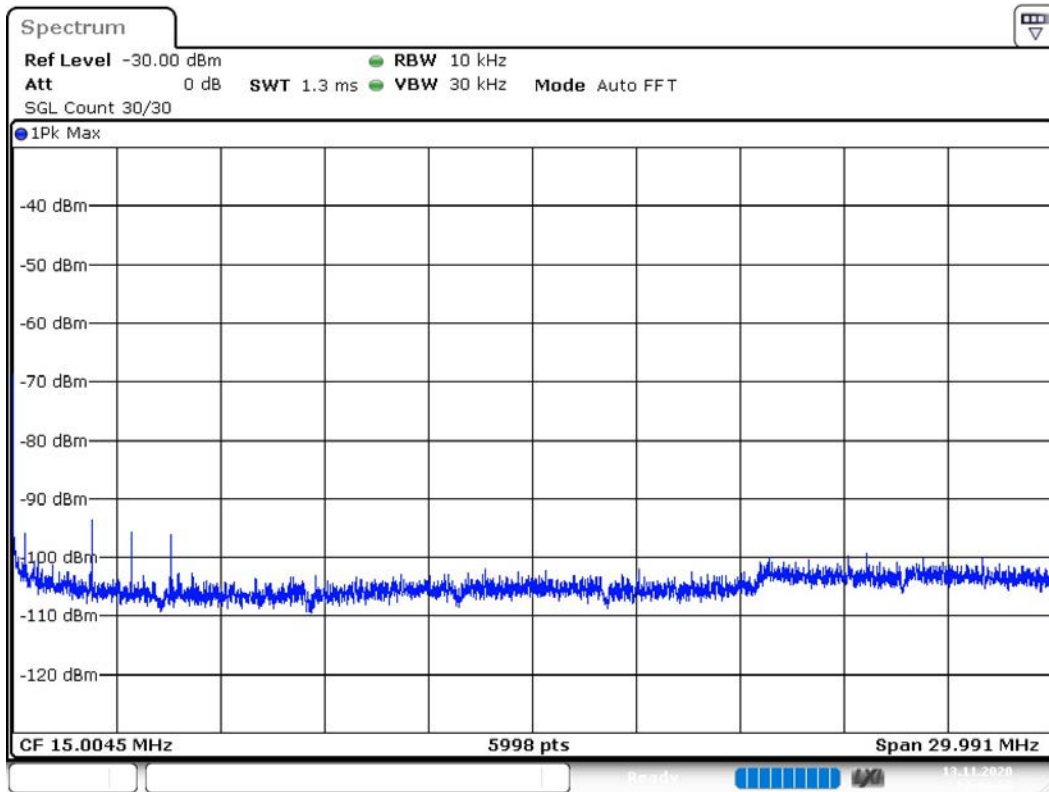
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
73.175000	-66.4	6.5	-59.9
73.125000	-66.6	6.7	-59.9
74.575000	-67.0	7.1	-59.9
74.525000	-67.3	7.4	-59.9
73.725000	-67.6	7.7	-59.9
74.475000	-67.6	7.7	-59.9
74.075000	-67.6	7.7	-59.9
73.975000	-67.8	7.9	-59.9
73.225000	-67.8	7.9	-59.9
74.025000	-67.8	7.9	-59.9
73.775000	-67.9	8.0	-59.9
73.675000	-68.0	8.1	-59.9
73.875000	-68.0	8.1	-59.9
73.575000	-68.1	8.2	-59.9
73.325000	-68.1	8.2	-59.9

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	7000.000000	1	1
7000.000000	26000.000000	1	1

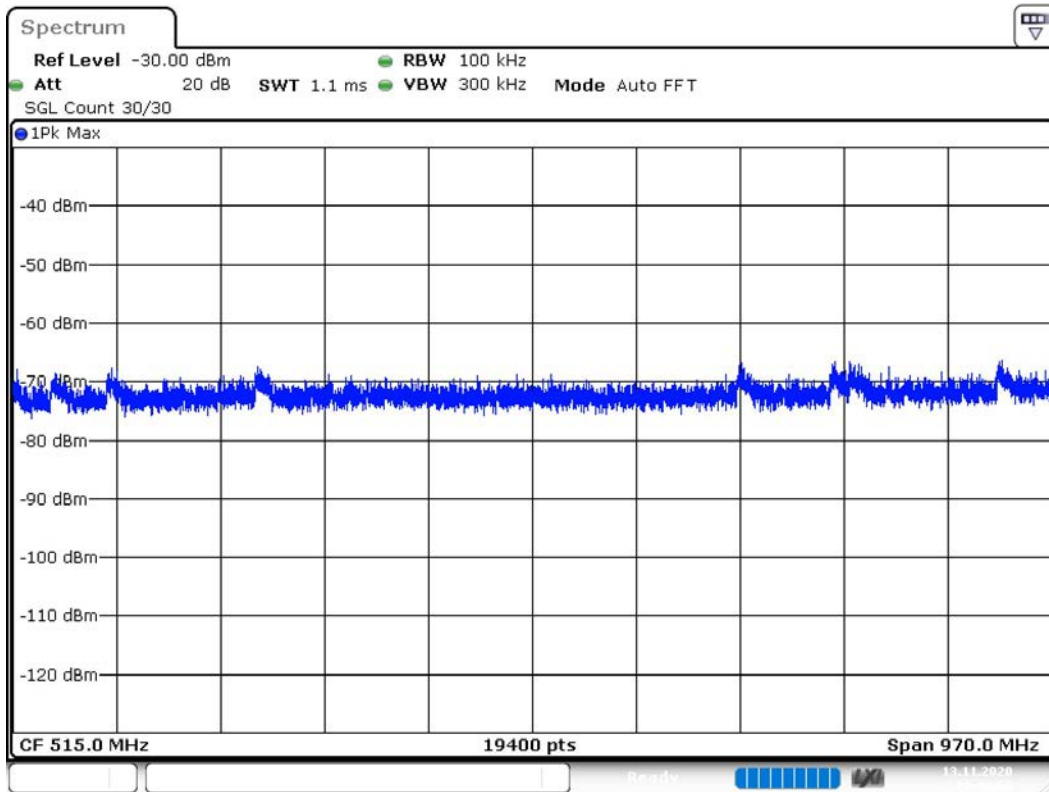


Restricted Band Connector 1_0



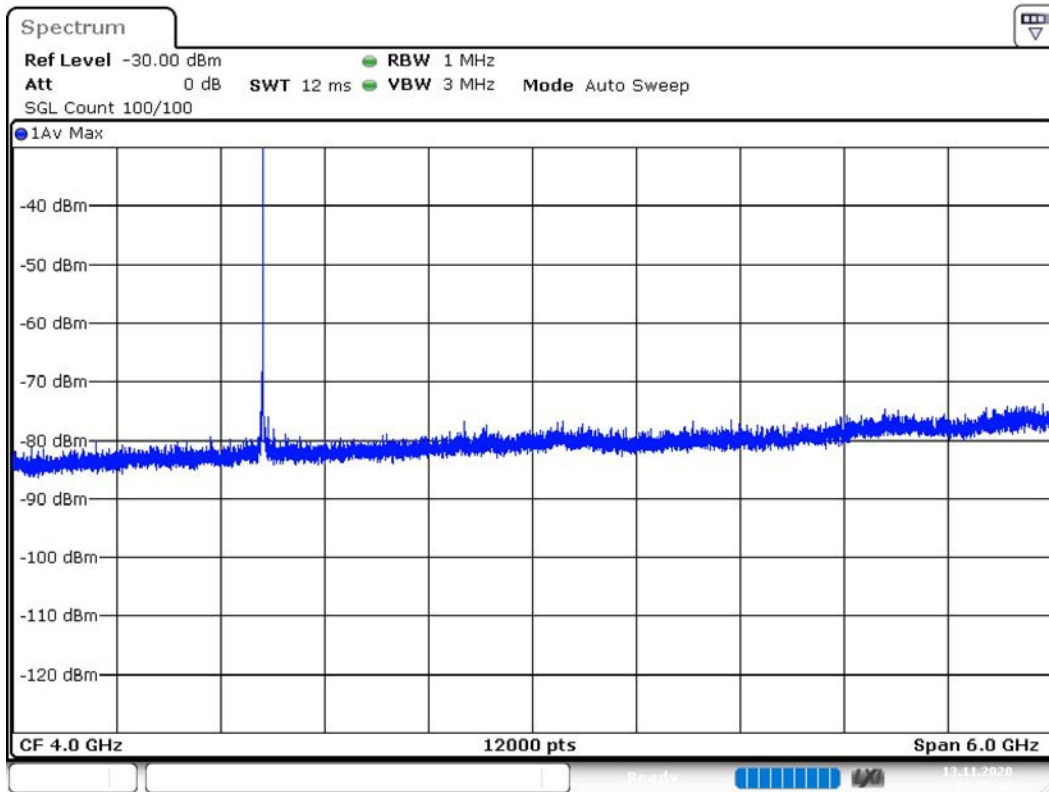
Date: 13.NOV.2020 13:44:31

Restricted Band Connector 1_1



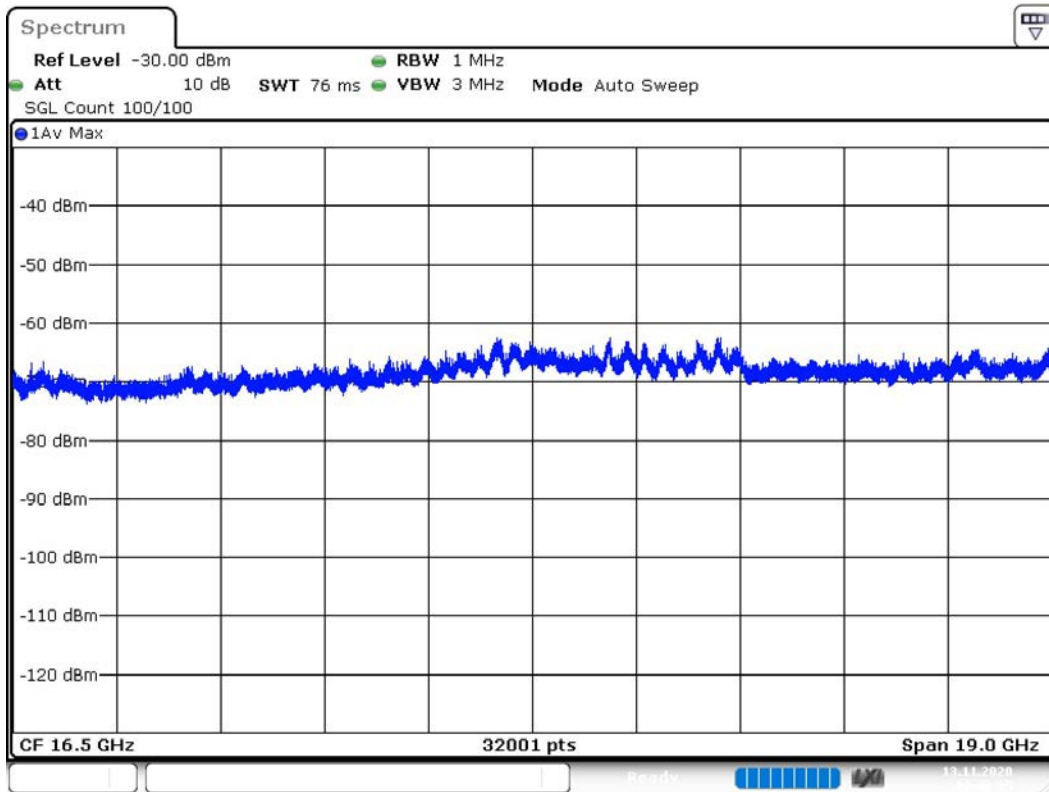
Date: 13.NOV.2020 13:44:51

Restricted Band Connector 1_2



Date: 13.NOV.2020 13:45:13

Restricted Band Connector 1_3



Date: 13.NOV.2020 13:47:36

Minimum Emission Bandwidth 6 dB (2480 MHz; 24.000 dBm; 1 MHz)

Customized settings.

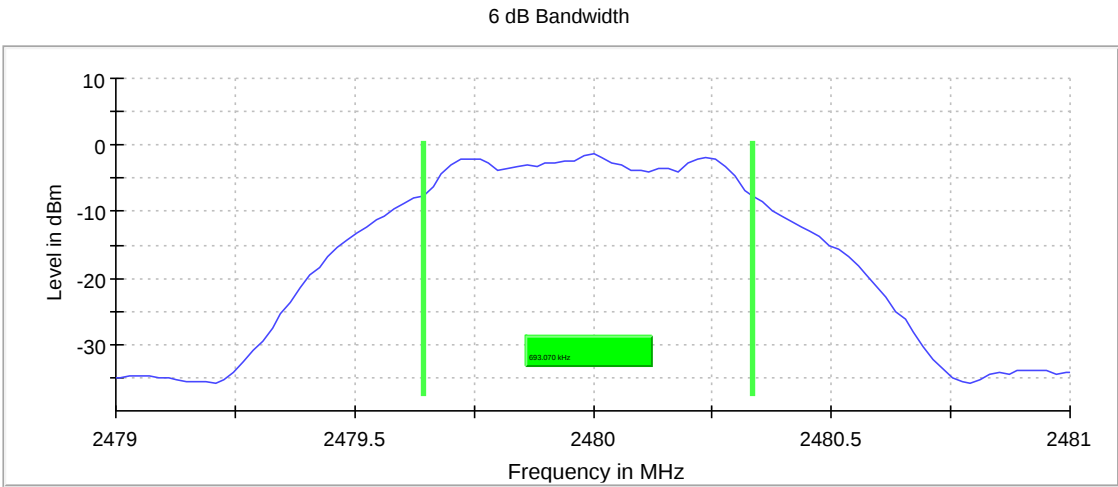
Max level (-1.4 dBm) more than 25.0 dB below the nominal power level.

6 dB Bandwidth

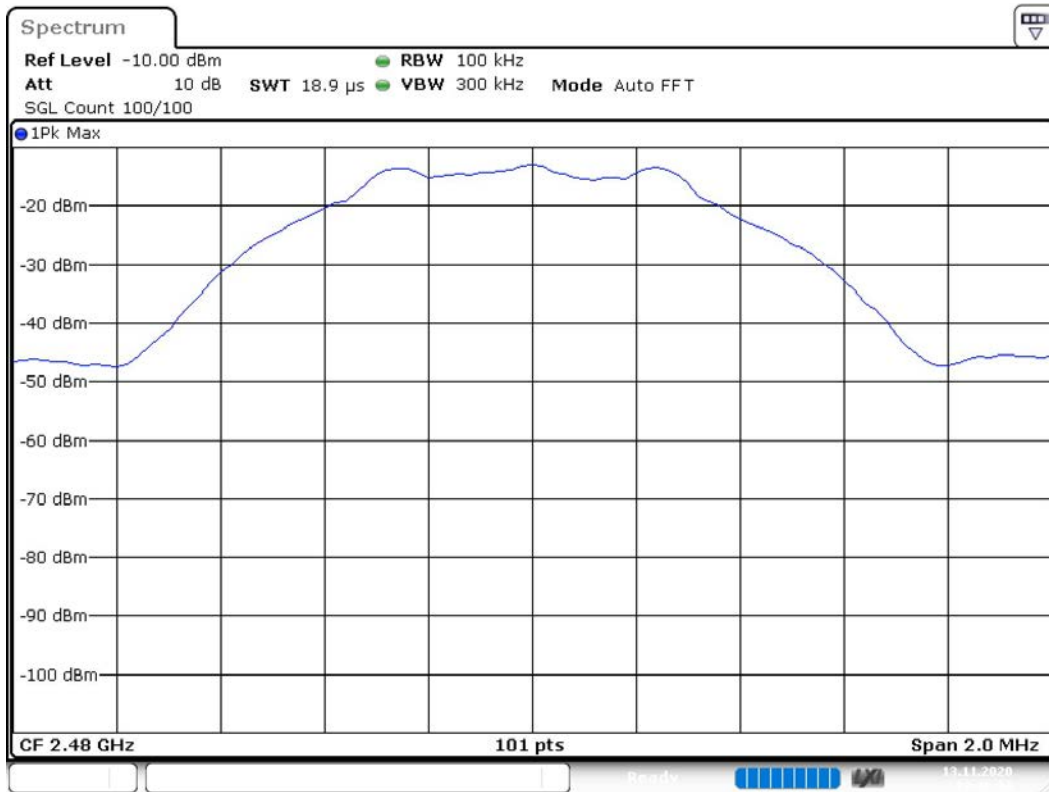
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.693070	0.500000	---	2479.643564	2480.336634

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-1.4	PASS



Bandwidth



Date: 13.NOV.2020 13:48:34

Occupied Channel Bandwidth 99% (2480 MHz; 24.000 dBm; 1 MHz)

Customized settings.

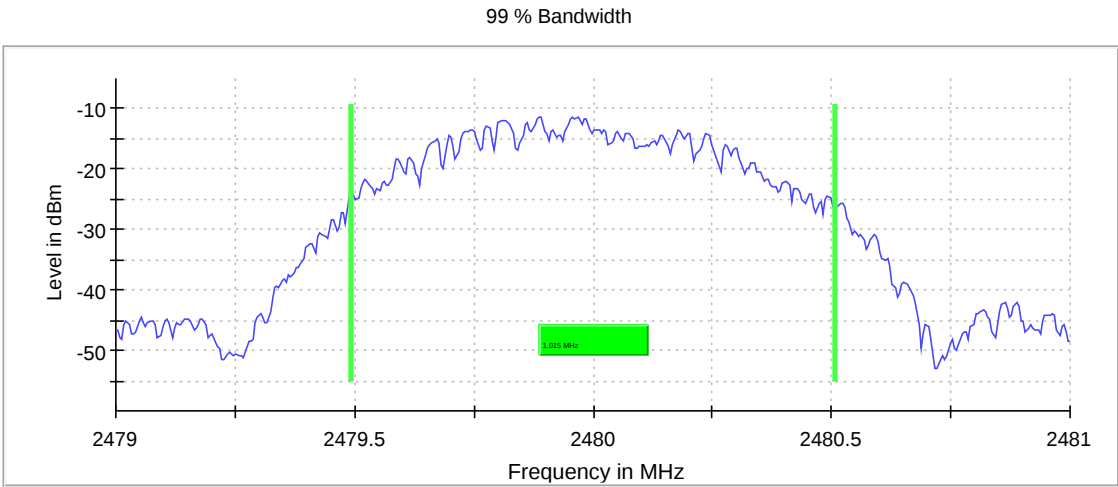
Max level (-11.3 dBm) more than 35.0 dB below the nominal power level.

99 % Bandwidth

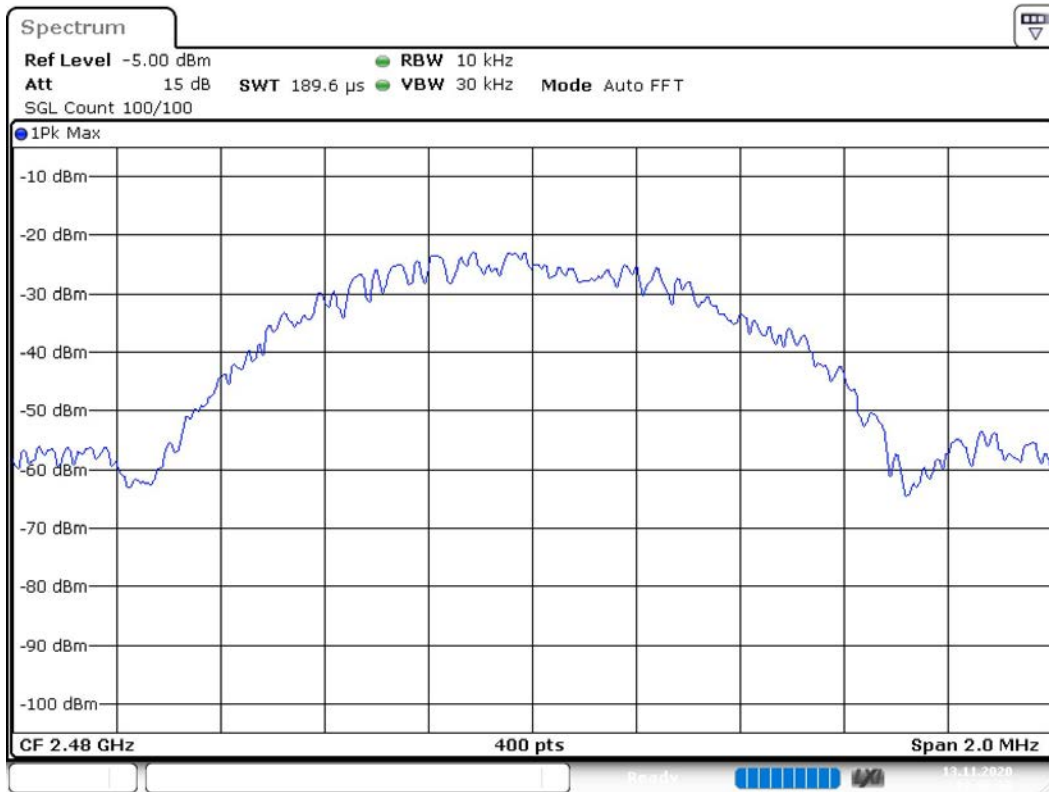
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.015000	---	---	2479.492500	2480.507500

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

DUT Frequency (MHz)	Result
2480.000000	PASS



Bandwidth



Date: 13.NOV.2020 13:50:36

Band Edge high (2480 MHz; 24.000 dBm; 1 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
2480.000000	PASS

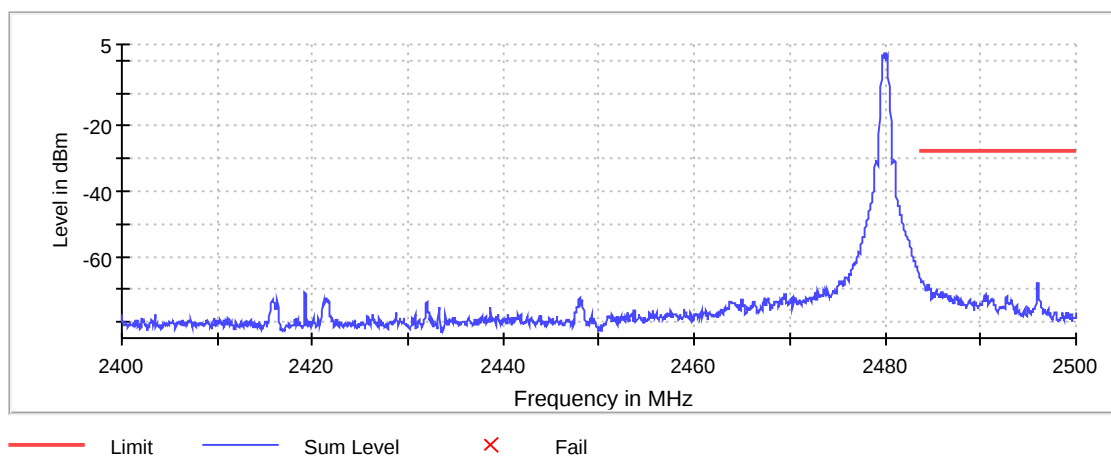
Inband Peak

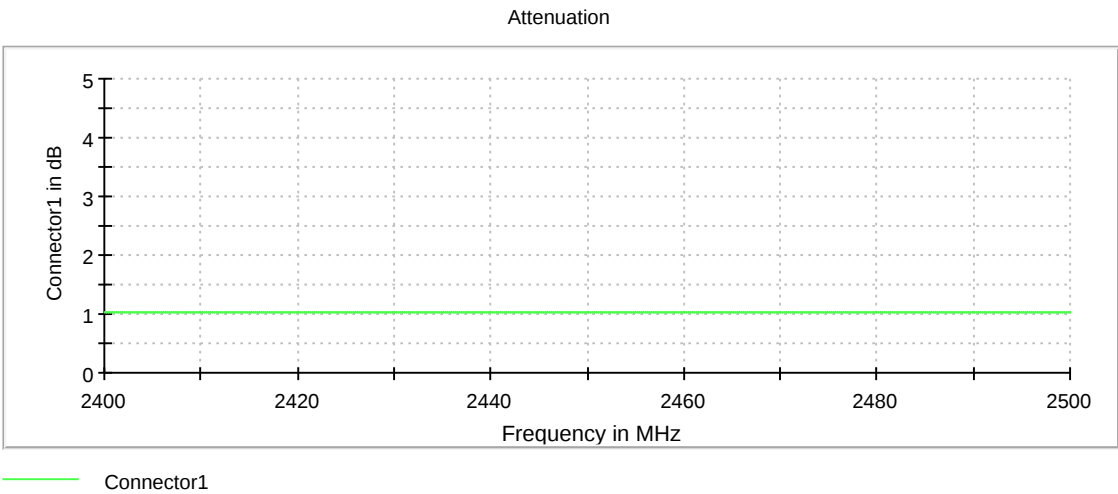
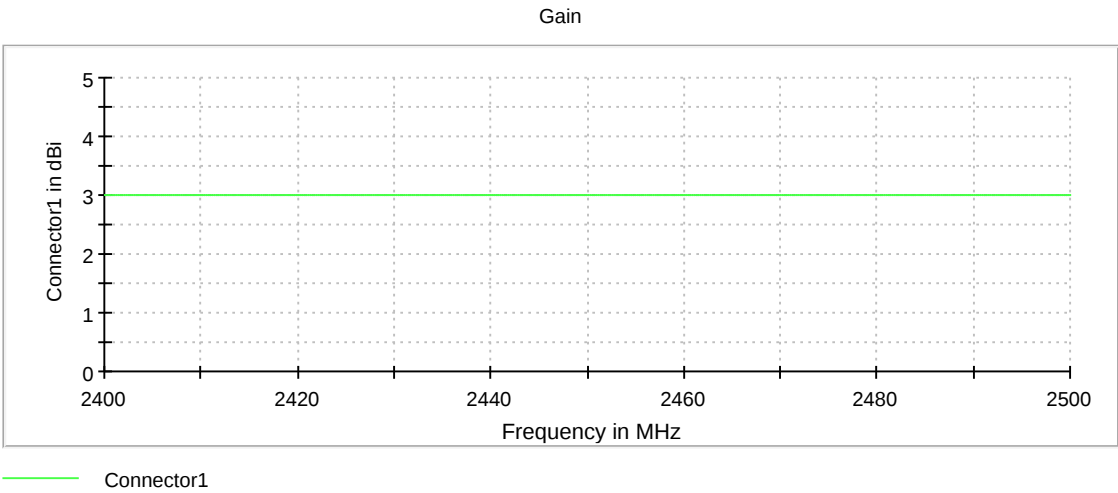
Frequency (MHz)	Level (dBm)
2479.975000	2.3

Measurements

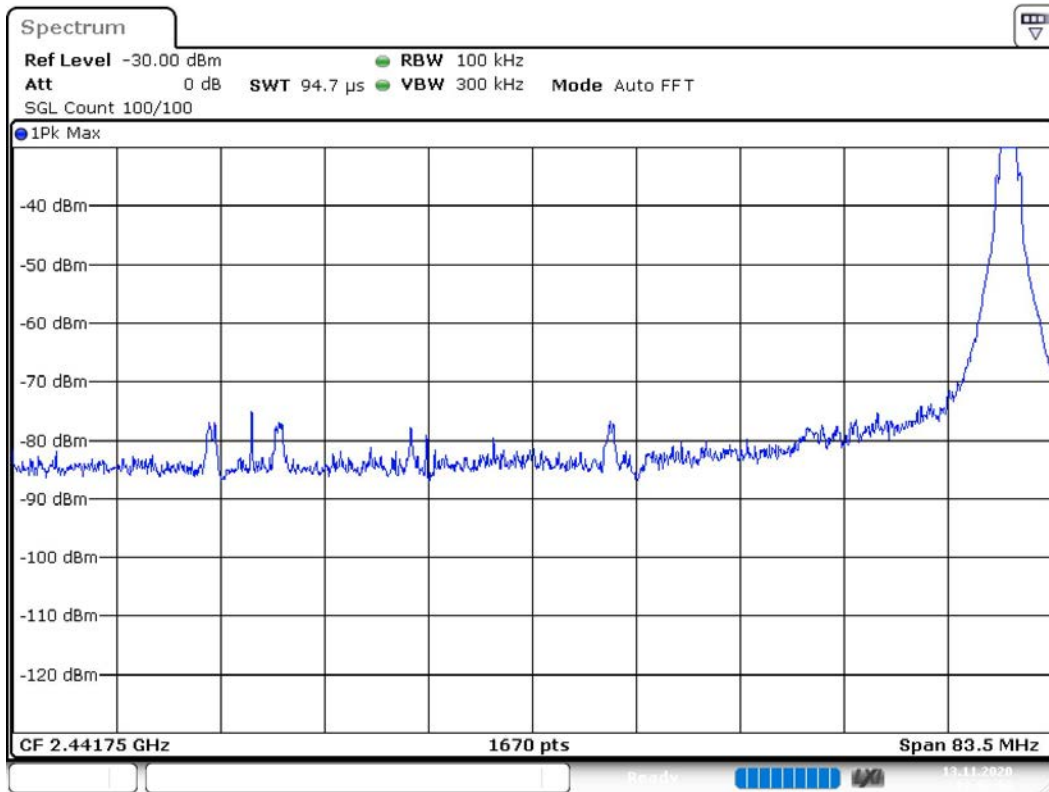
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2483.525000	-66.1	38.4	-27.7	PASS
2483.675000	-66.4	38.7	-27.7	PASS
2483.625000	-66.4	38.7	-27.7	PASS
2483.575000	-66.5	38.8	-27.7	PASS
2483.725000	-66.8	39.1	-27.7	PASS
2483.875000	-67.4	39.7	-27.7	PASS
2483.925000	-67.7	39.9	-27.7	PASS
2483.825000	-67.8	40.1	-27.7	PASS
2495.975000	-67.9	40.2	-27.7	PASS
2496.025000	-67.9	40.2	-27.7	PASS
2483.775000	-68.1	40.4	-27.7	PASS
2484.025000	-68.2	40.4	-27.7	PASS
2483.975000	-68.3	40.5	-27.7	PASS
2484.075000	-68.3	40.5	-27.7	PASS
2484.525000	-68.5	40.8	-27.7	PASS

Band Edge



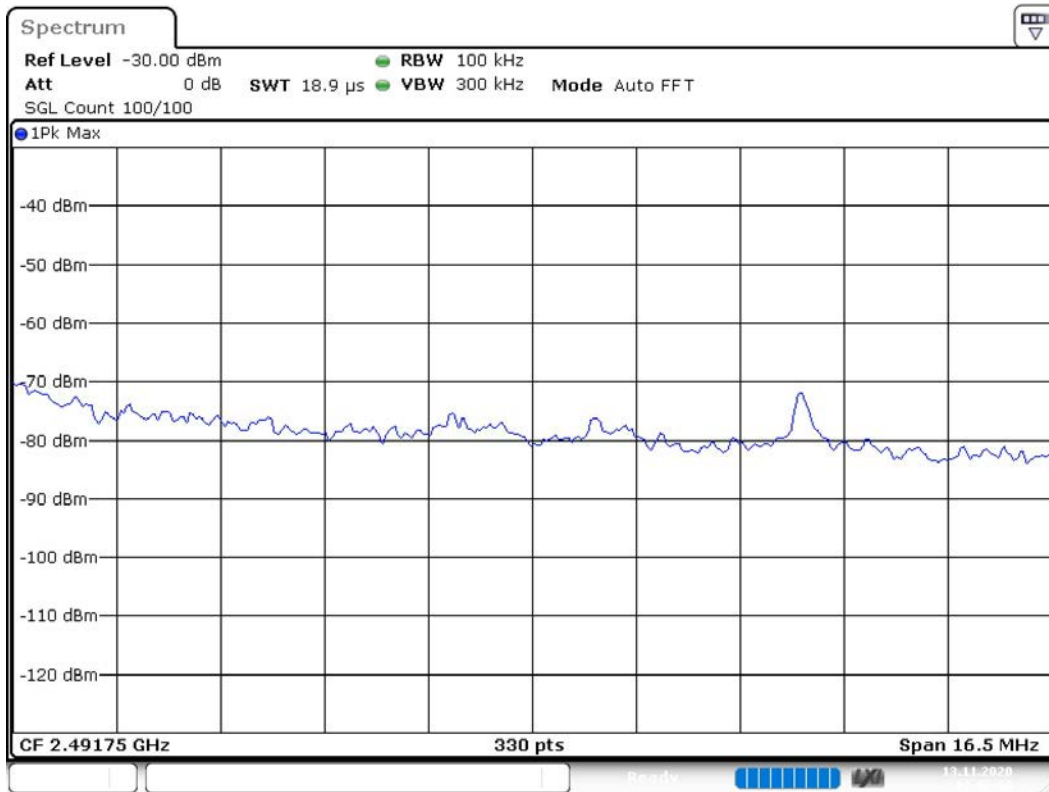


Band Edge Connector 1_0



Date: 13.NOV.2020 13:52:03

Band Edge Connector 1_1



Date: 13.NOV.2020 13:52:10

Tx Spurious Emission (2480 MHz; 24.000 dBm; 1 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
2480.000000	PASS

Final measurements

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

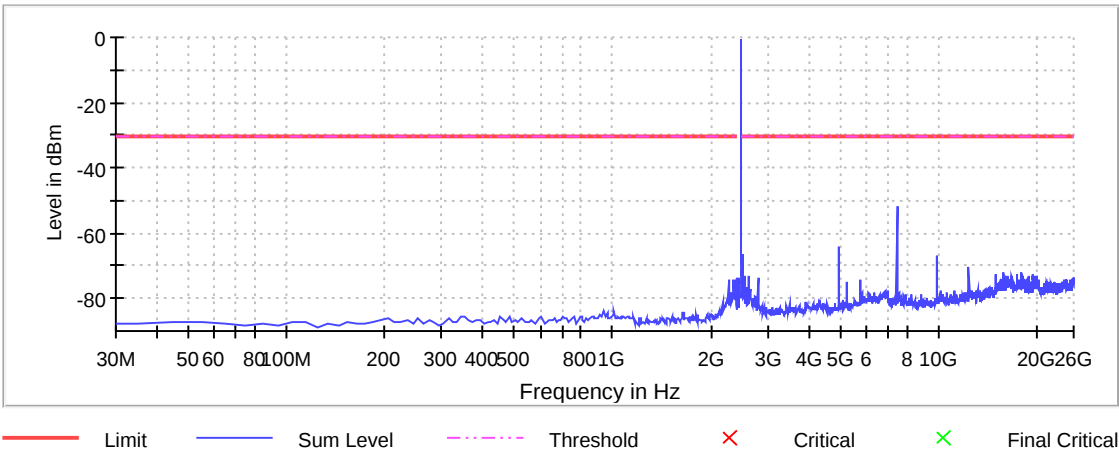
Pre Measurements

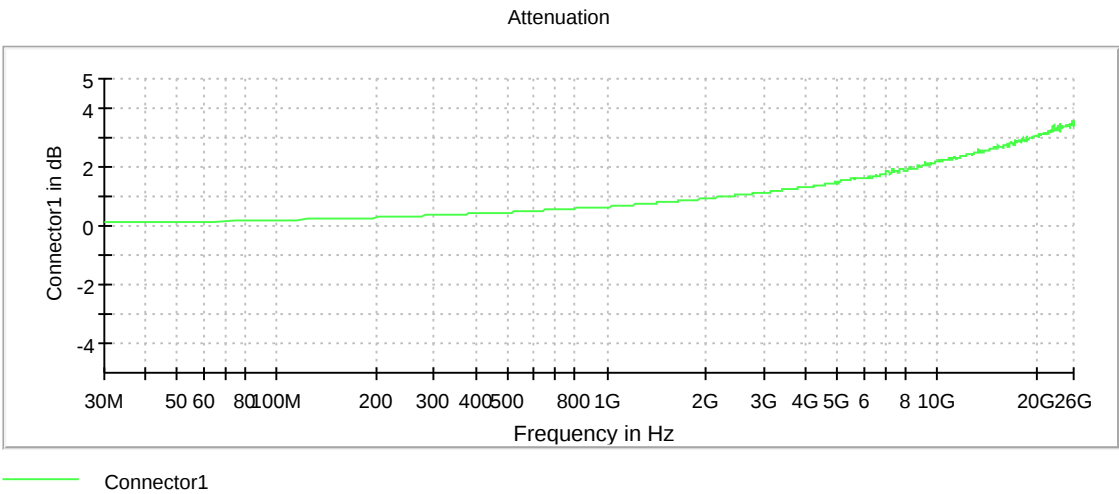
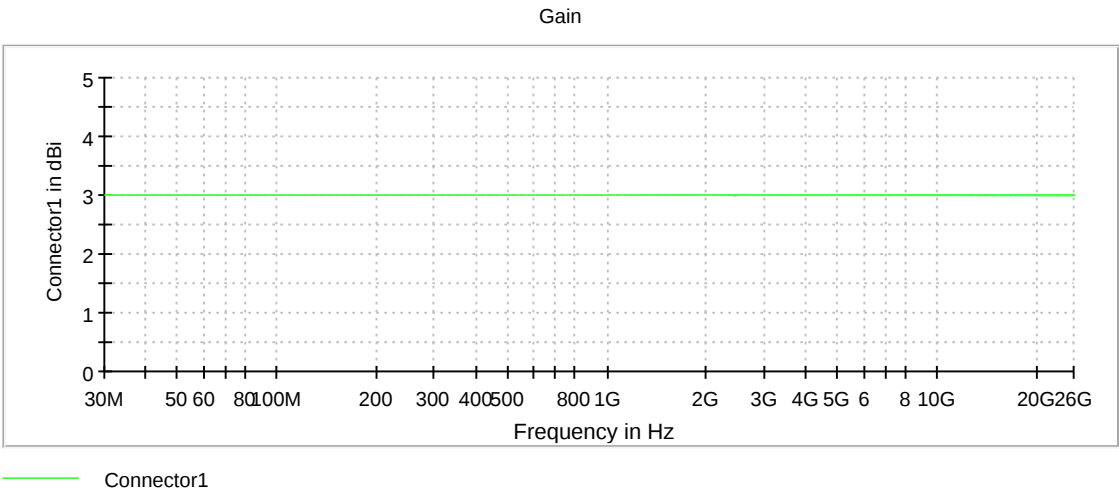
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
7445.651402	-51.6	21.0	-30.6
7435.657140	-52.6	22.0	-30.6
4957.080004	-64.4	33.8	-30.6
2508.485657	-66.3	35.7	-30.6
9924.228538	-66.8	36.2	-30.6
9914.234275	-67.5	36.9	-30.6
2488.497131	-68.0	37.4	-30.6
12402.805674	-70.3	39.6	-30.6
2498.491394	-70.7	40.1	-30.6
15850.826286	-71.9	41.2	-30.6
15840.832023	-72.1	41.4	-30.6
17889.655865	-72.1	41.5	-30.6
19568.691989	-72.3	41.7	-30.6
14881.382809	-72.5	41.9	-30.6
17359.959945	-72.8	42.2	-30.6

Measurement Settings

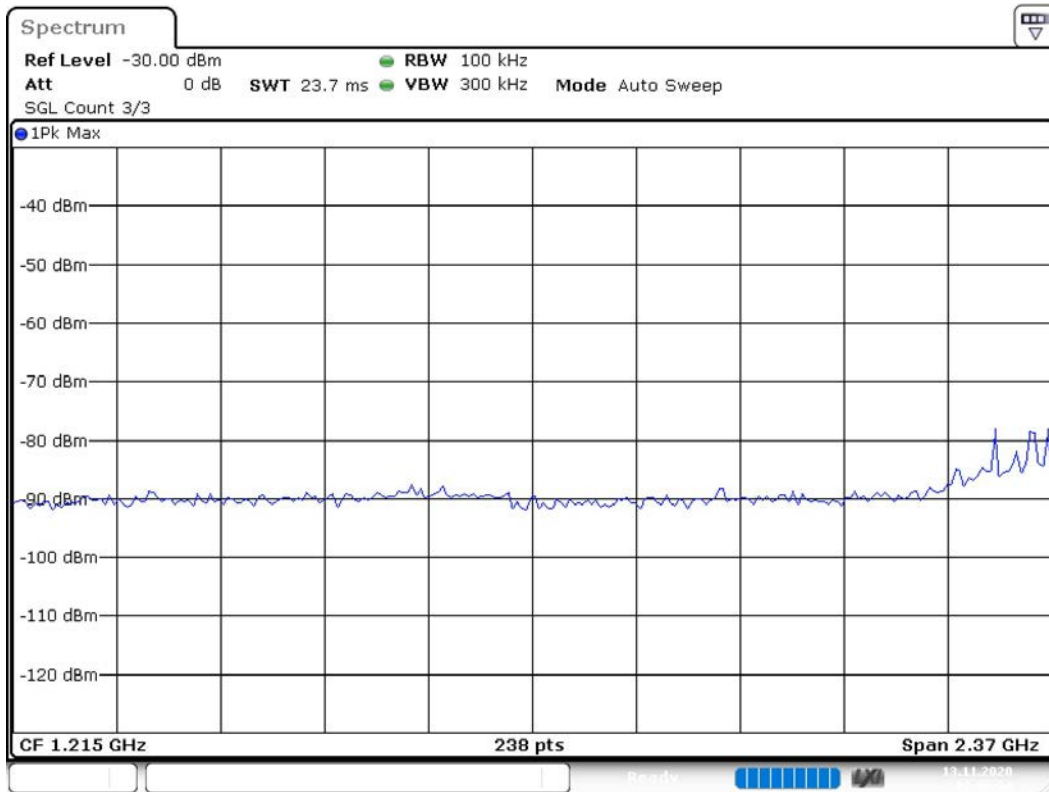
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



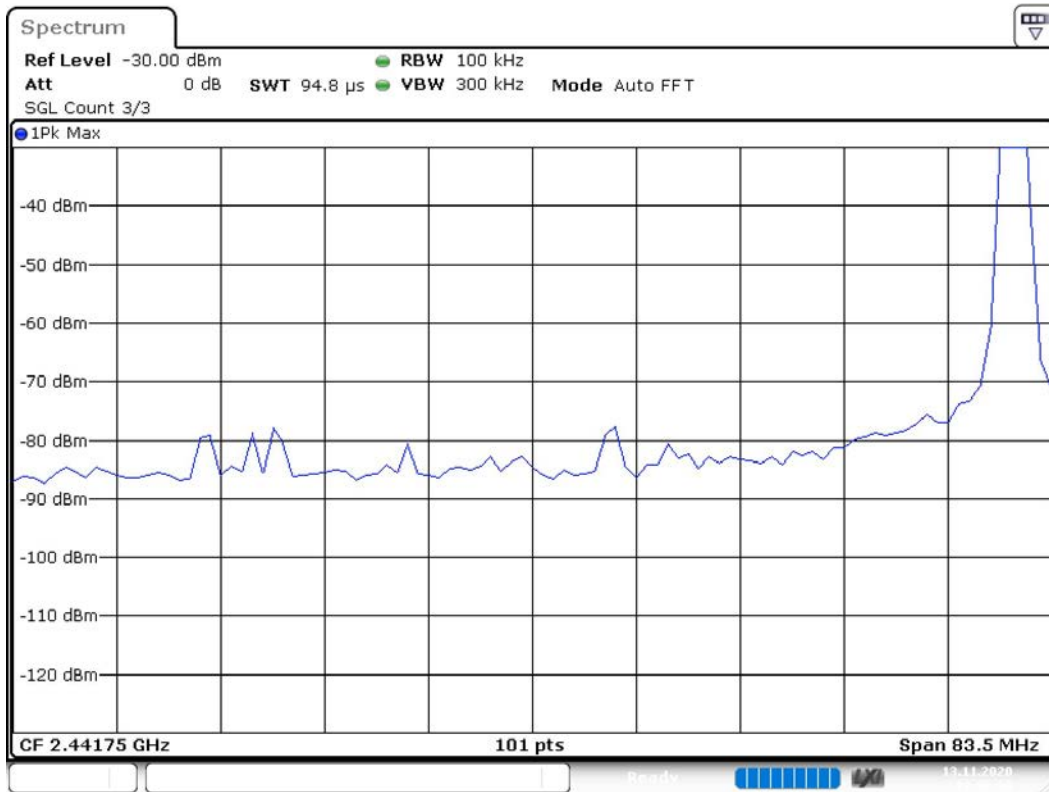


Spurious Connector 1_0



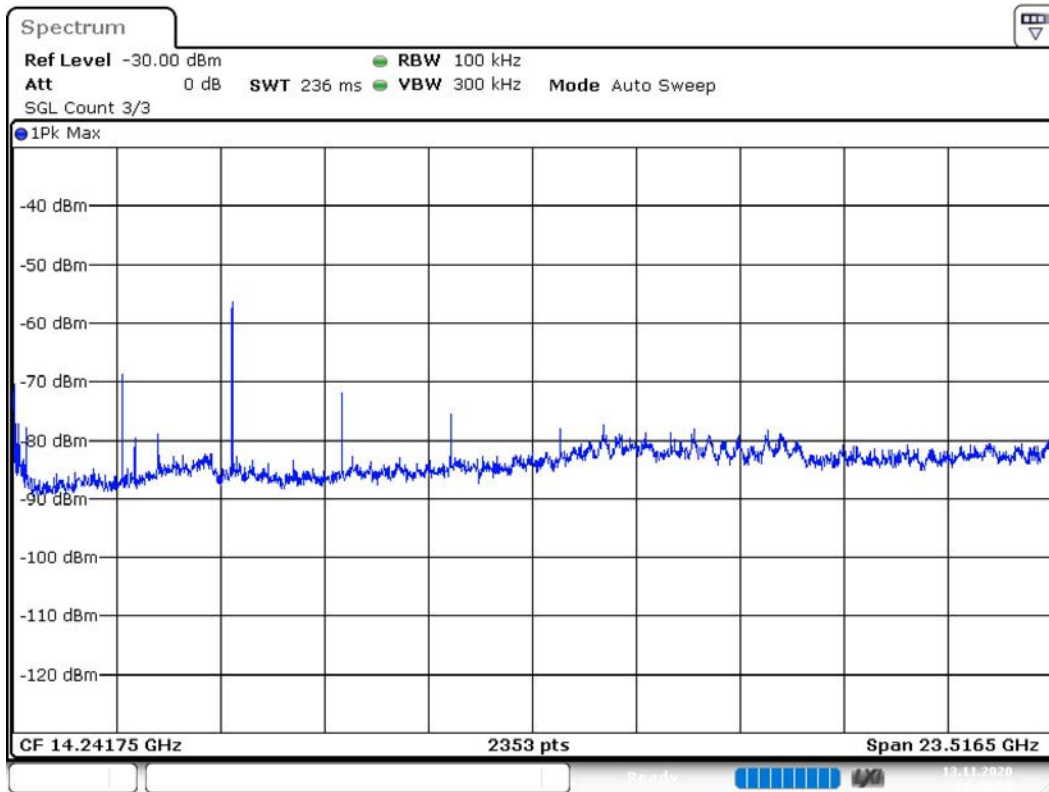
Date: 13.NOV.2020 13:59:35

Spurious Connector 1_1



Date: 13.NOV.2020 13:59:40

Spurious Connector 1_2



Date: 13.NOV.2020 14:00:01

Emissions in restricted frequency bands (Average) (2480 MHz; 24.000 dBm; 1 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Result
2480.000000	PASS

Final measurements

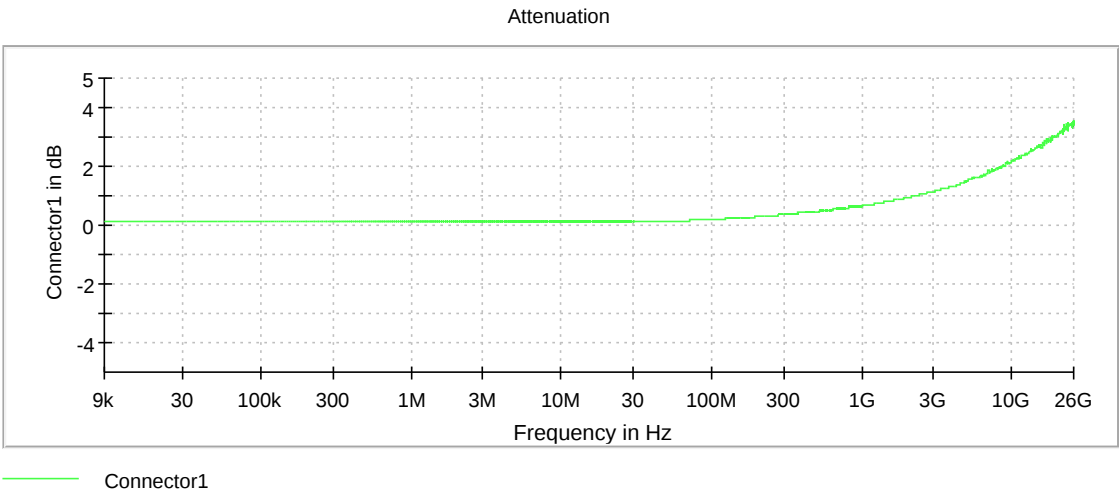
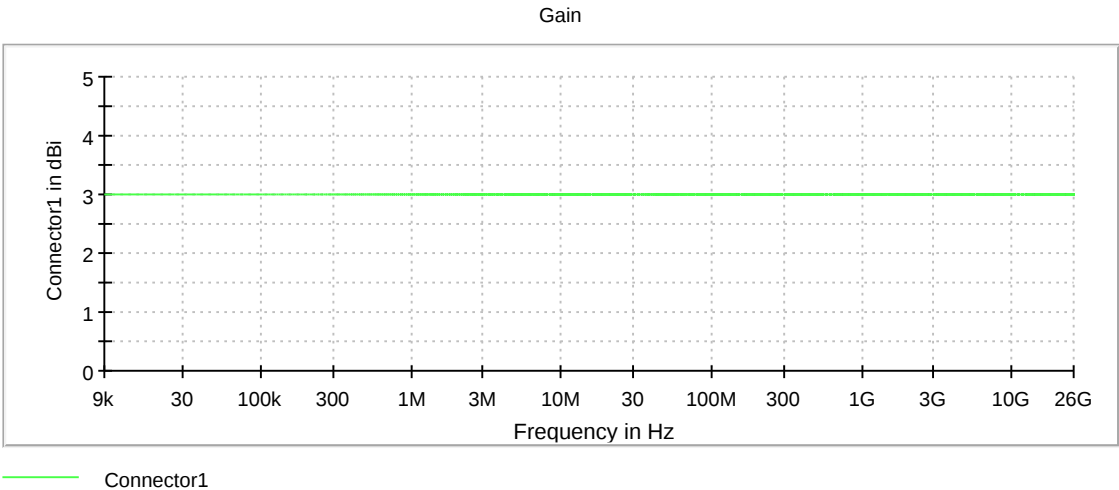
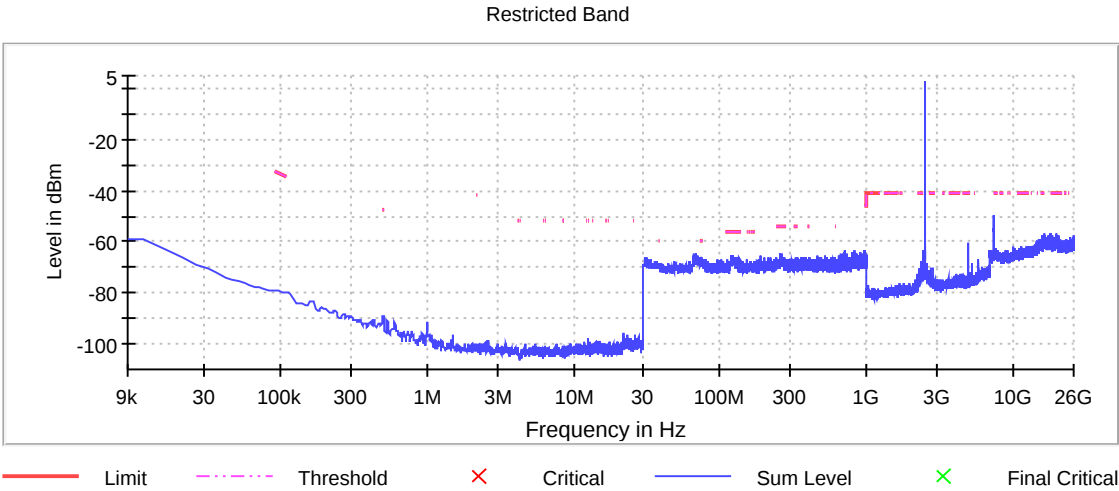
Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

Pre Measurements

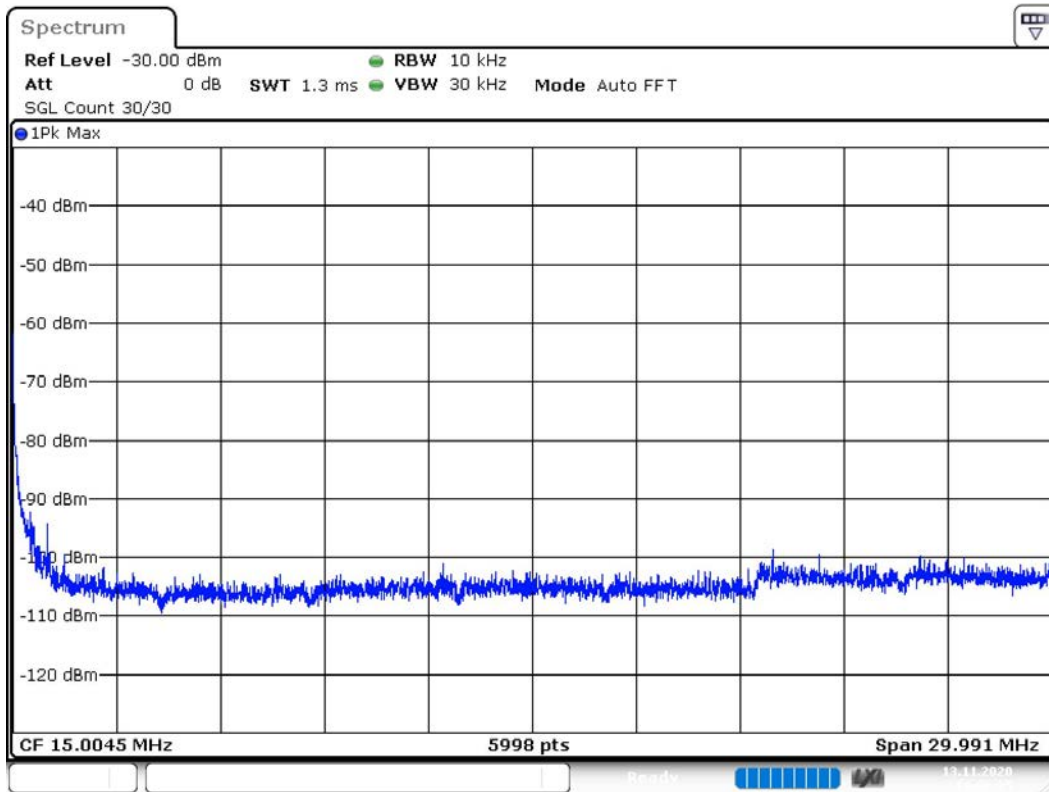
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
73.025000	-65.9	6.0	-59.9
73.075000	-66.1	6.2	-59.9
74.025000	-66.7	6.8	-59.9
73.875000	-66.7	6.8	-59.9
73.975000	-66.7	6.8	-59.9
73.175000	-66.8	6.9	-59.9
73.325000	-66.9	7.0	-59.9
75.075000	-67.0	7.1	-59.9
75.025000	-67.1	7.2	-59.9
74.975000	-67.3	7.4	-59.9
73.125000	-67.3	7.4	-59.9
73.925000	-67.4	7.5	-59.9
73.225000	-67.4	7.5	-59.9
73.375000	-67.4	7.5	-59.9
74.375000	-67.5	7.6	-59.9

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
0.009000	30.000000	2	2
30.000000	1000.000000	2	2
1000.000000	7000.000000	1	1
7000.000000	26000.000000	1	1

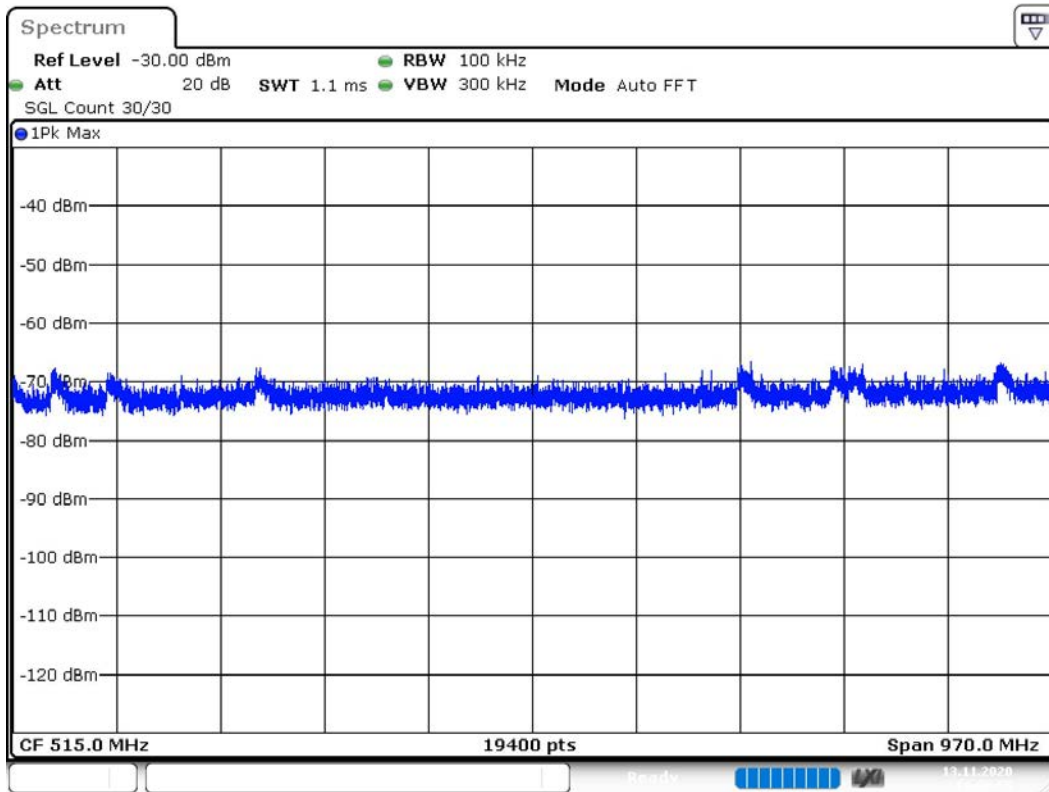


Restricted Band Connector 1_0



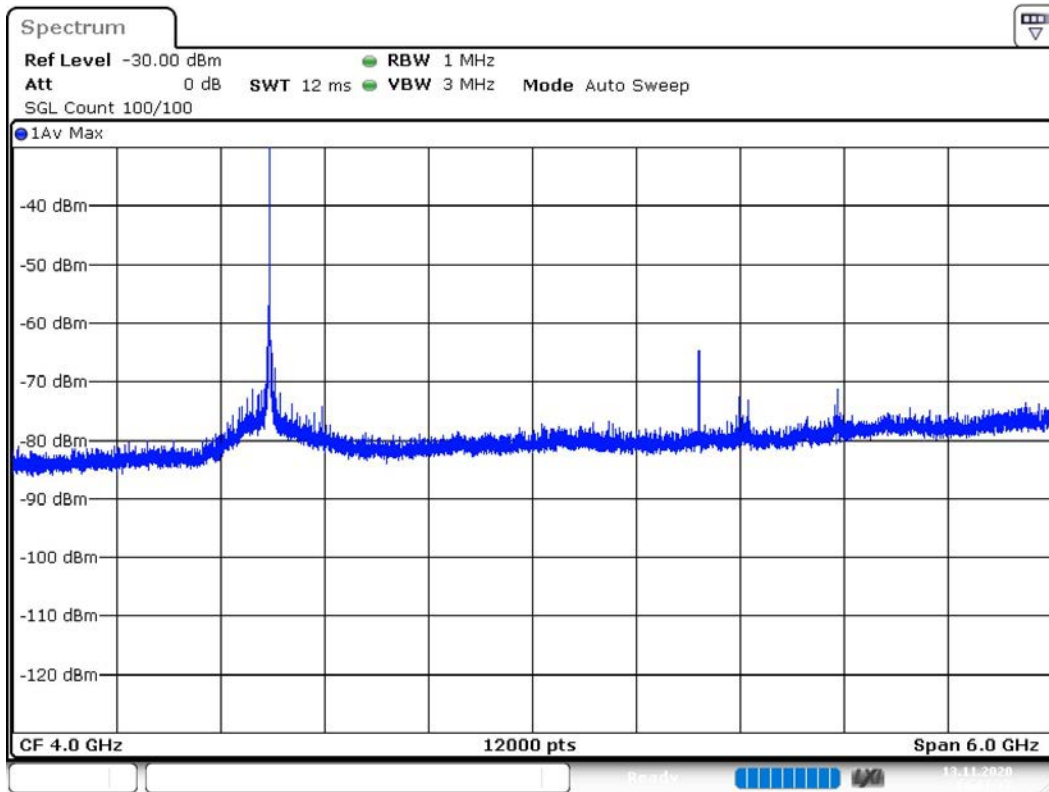
Date: 13.NOV.2020 14:00:36

Restricted Band Connector 1_1



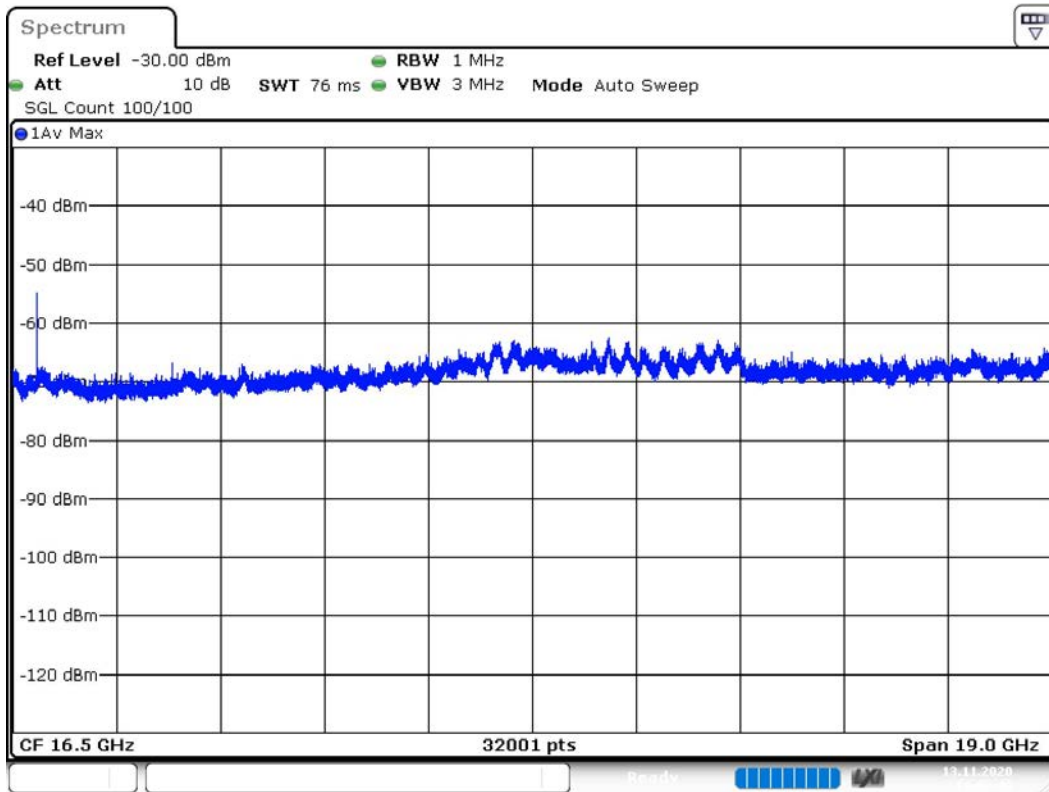
Date: 13.NOV.2020 14:00:56

Restricted Band Connector 1_2



Date: 13.NOV.2020 14:01:18

Restricted Band Connector 1_3



Date: 13.NOV.2020 14:03:41