

UNII -2A

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5260.000	30.0	20.000000	PASS
RF output power	5260.000	30.0	20.000000	PASS
Power Spectral Density	5260.000	30.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5260.000	30.0	20.000000	PASS
Frequency Error	5260.000	30.0	20.000000	PASS
Emission Bandwidth 26 dB	5300.000	30.0	20.000000	PASS
RF output power	5300.000	30.0	20.000000	PASS
Power Spectral Density	5300.000	30.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5300.000	30.0	20.000000	PASS
Emission Bandwidth 26 dB	5330.000	30.0	20.000000	PASS
RF output power	5330.000	30.0	20.000000	PASS
Power Spectral Density	5330.000	30.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5330.000	30.0	20.000000	PASS
Frequency Error	5330.000	30.0	20.000000	PASS
Emission Bandwidth 26 dB	5270.000	30.0	40.000000	PASS
RF output power	5270.000	30.0	40.000000	PASS
Power Spectral Density	5270.000	30.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5270.000	30.0	40.000000	PASS
Emission Bandwidth 26 dB	5300.000	30.0	40.000000	PASS
RF output power	5300.000	30.0	40.000000	PASS
Power Spectral Density	5300.000	30.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5300.000	30.0	40.000000	PASS
Emission Bandwidth 26 dB	5320.000	30.0	40.000000	PASS
RF output power	5320.000	30.0	40.000000	PASS
Power Spectral Density	5320.000	30.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5320.000	30.0	40.000000	PASS
Emission Bandwidth 26 dB	5300.000	30.0	80.000000	PASS
RF output power	5300.000	30.0	80.000000	PASS
Power Spectral Density	5300.000	30.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5300.000	30.0	80.000000	PASS
Emission Bandwidth 26 dB	5290.000	30.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5290.000	30.0	80.000000	PASS
Power Spectral Density	5290.000	30.0	80.000000	PASS
RF output power	5290.000	30.0	80.000000	PASS

Emission Bandwidth 26 dB (5260 MHz; 30.000 dBm; 20 MHz)

Customized settings.

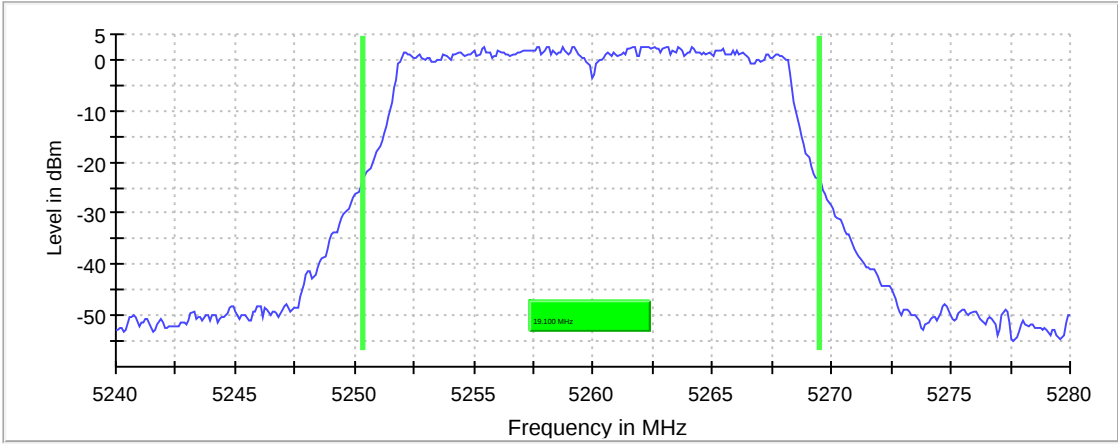
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5260.000000	19.100000	---	---	5250.350000	5269.450000

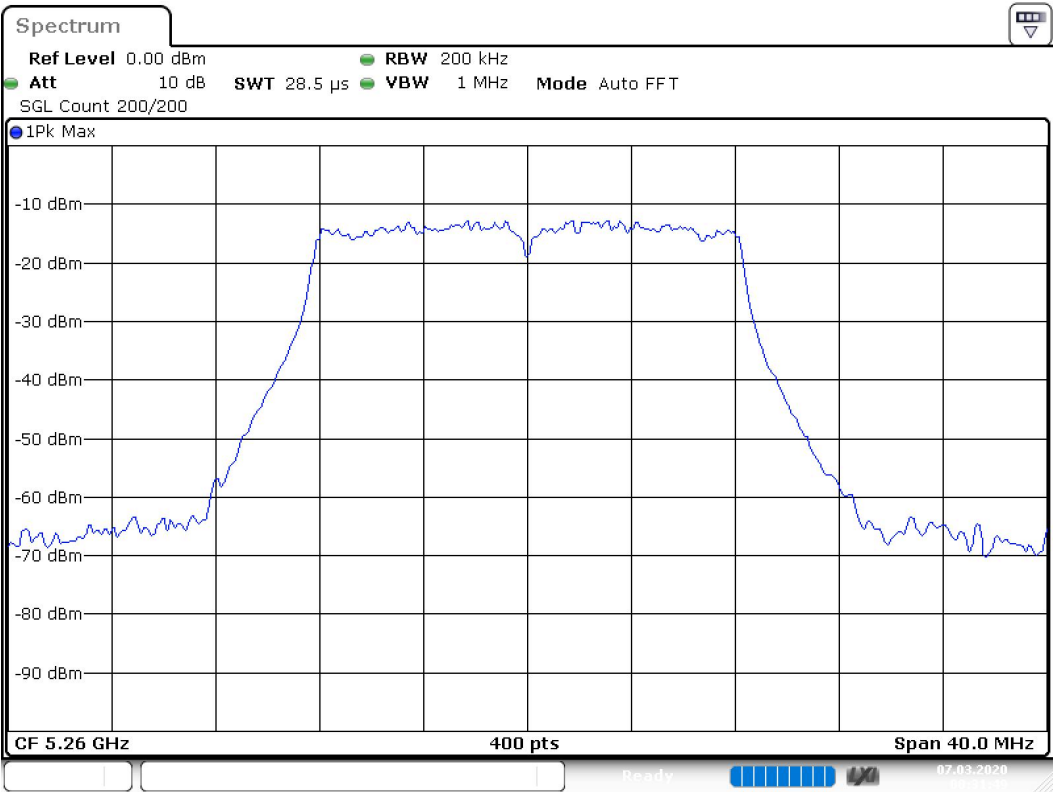
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5260.000000	2.6	PASS

26 dB Bandwidth



Bandwidth



Date: 7.MAR.2020 00:31:50

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.24000 GHz	5.24000 GHz
Stop Frequency	5.28000 GHz	5.28000 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 μ s	AUTO
Reference Level	0.000 dBm	AUTO
Attenuation	10.000 dB	0.000 dB
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 (5260 MHz; 30.000 dBm; 20 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5260.000000	19.2	---	29.2	95.359	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

Power Spectral Density (5260 MHz; 30.000 dBm; 20 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5260.000000	5262.178218	5.787	7.0	PASS

Ports

Port	Duty Cycle (%)
1	0.000
2	0.000

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.27000 GHz	5.27000 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	2.020 ms	2.020 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off

Occupied Channel Bandwidth 99% (5260 MHz; 30.000 dBm; 20 MHz)

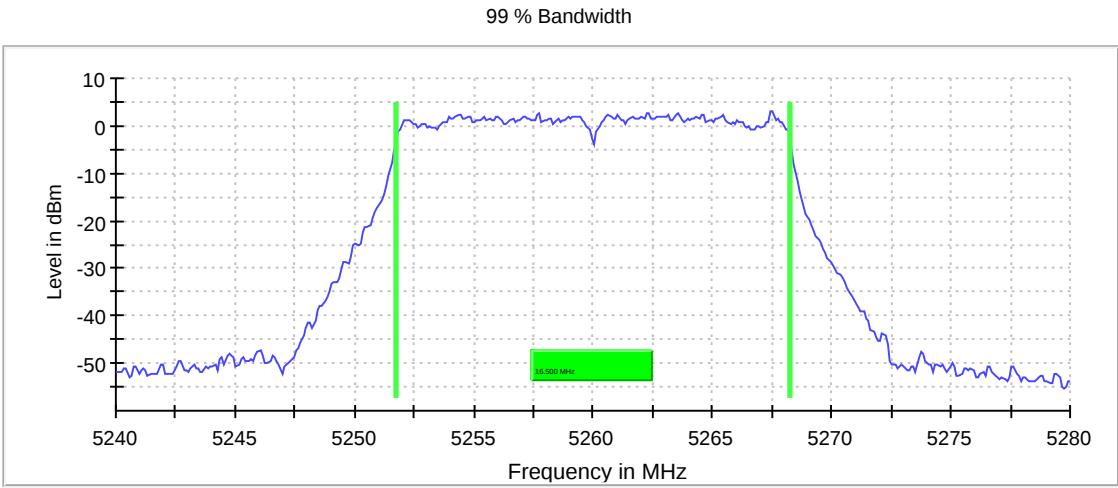
Customized settings.

99 % Bandwidth

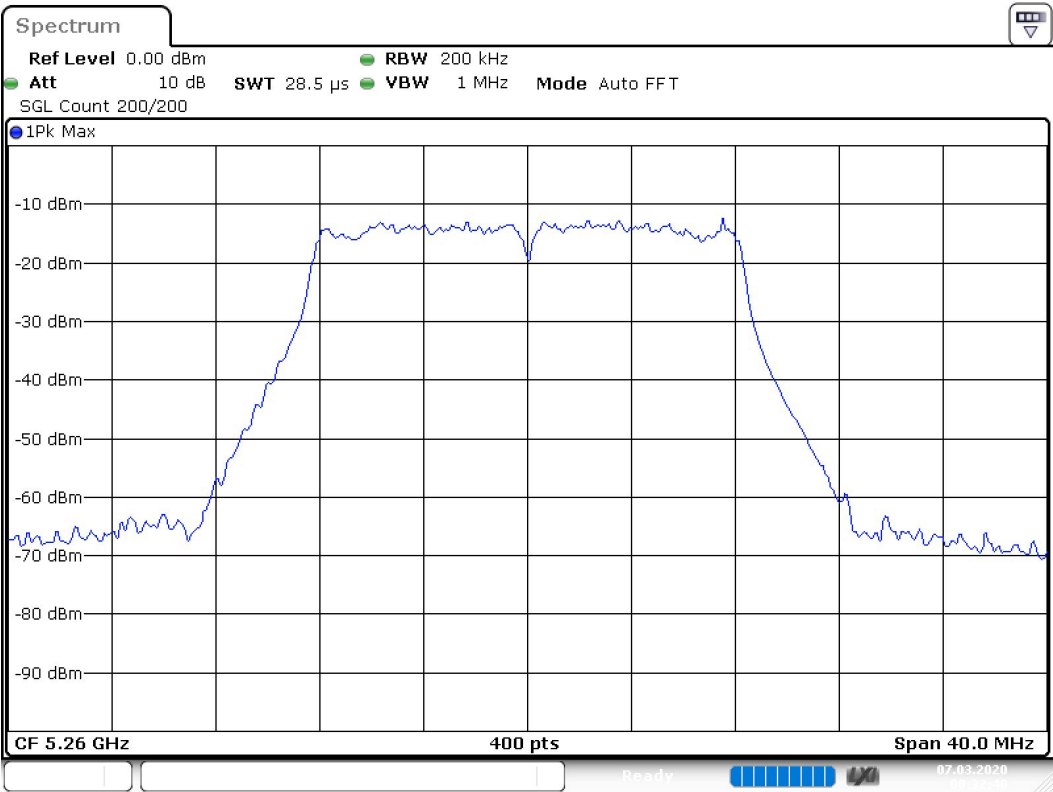
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5260.000000	16.500000	---	---	5251.750000	5268.250000

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

DUT Frequency (MHz)	Result
5260.000000	PASS



Bandwidth



Date: 7.MAR.2020 00:32:40

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.24000 GHz	5.24000 GHz
Stop Frequency	5.28000 GHz	5.28000 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	$\geq$ 200.000 kHz
VBW	1.000 MHz	$\geq$ 600.000 kHz
SweepPoints	400	$\sim$ 400
SweepTime	28.477 μ s	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Frequency Error (5260 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)	Result
5260.000000	5260.008999	1.711	8.999000	---	---	PASS

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.27000 GHz	5.27000 GHz
Span	20.000 MHz	20.000 MHz
RBW	20.000 kHz	<= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	10001	~ 10001
Sweeptime	474.291 μ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 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
Stablemode	Trace	Trace
Stablevalue	1.00 dB	1.00 dB
Run	41 / max. 150	max. 150
Stable	1 / 1	1
Max Stable Difference	0.71 dB	1.00 dB

Emission Bandwidth 26 dB (5300 MHz; 30.000 dBm; 20 MHz)

Customized settings.

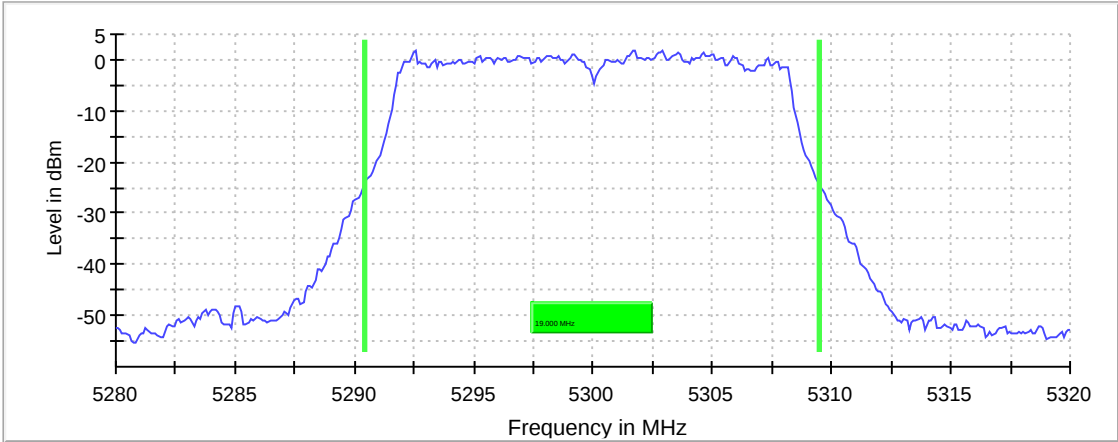
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	19.000000	---	---	5290.450000	5309.450000

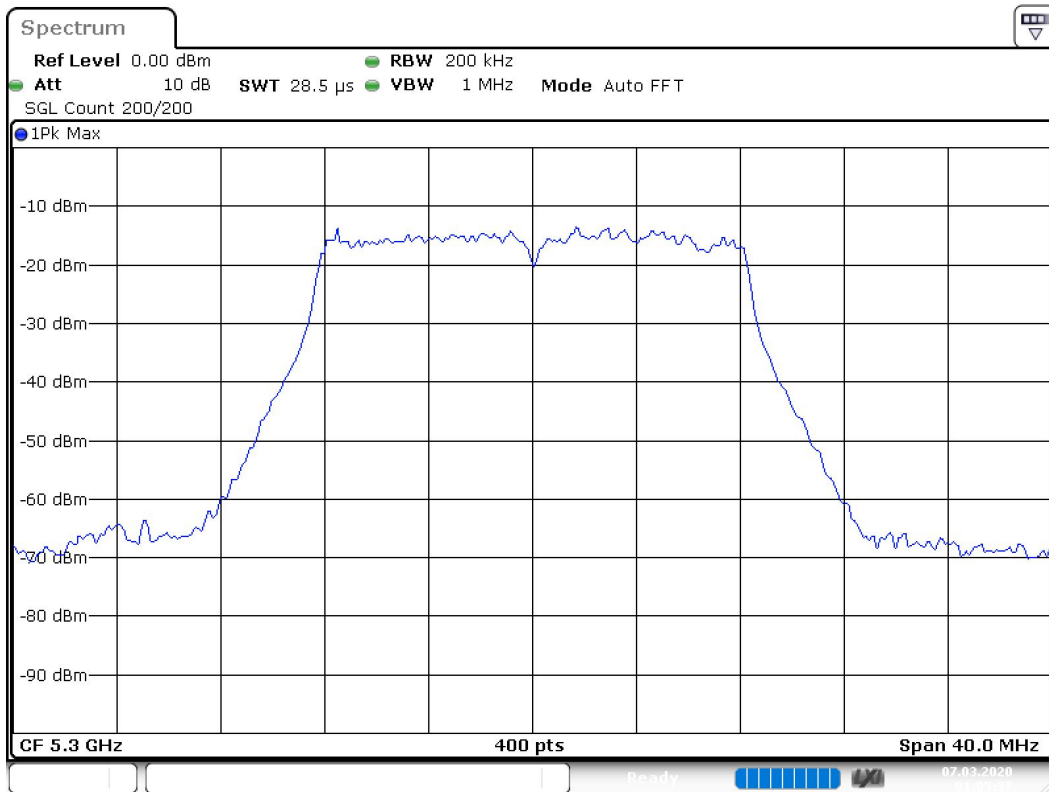
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5300.000000	1.9	PASS

26 dB Bandwidth



Bandwidth



Date: 7.MAR.2020 01:05:37

RF output power (5300 MHz; 30.000 dBm; 20 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5300.000000	18.0	---	28.0	95.268	PASS

Power Spectral Density (5300 MHz; 30.000 dBm; 20 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5300.000000	5302.178218	4.407	7.0	PASS

Ports

Port	Duty Cycle (%)
1	0.000
2	0.000

Occupied Channel Bandwidth 99% (5300 MHz; 30.000 dBm; 20 MHz)

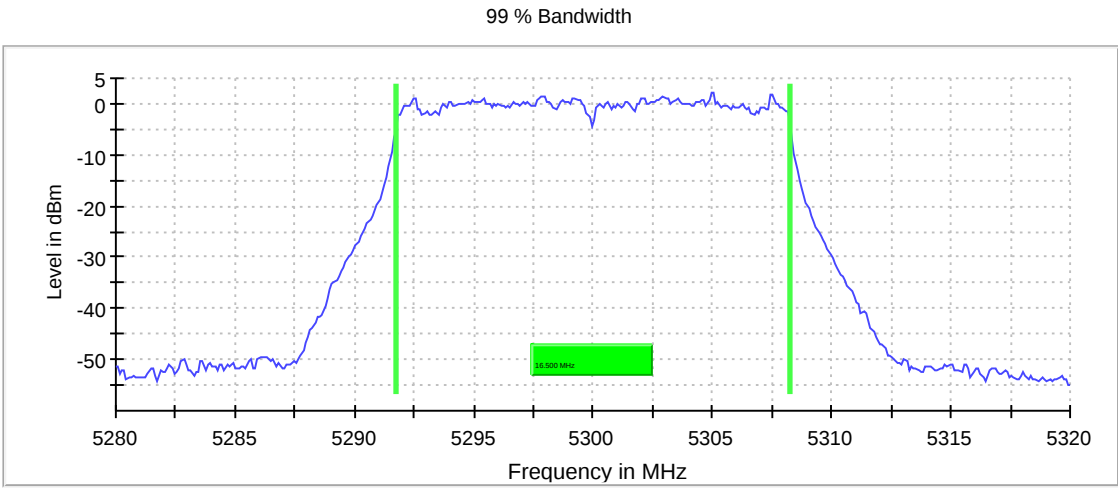
Customized settings.

99 % Bandwidth

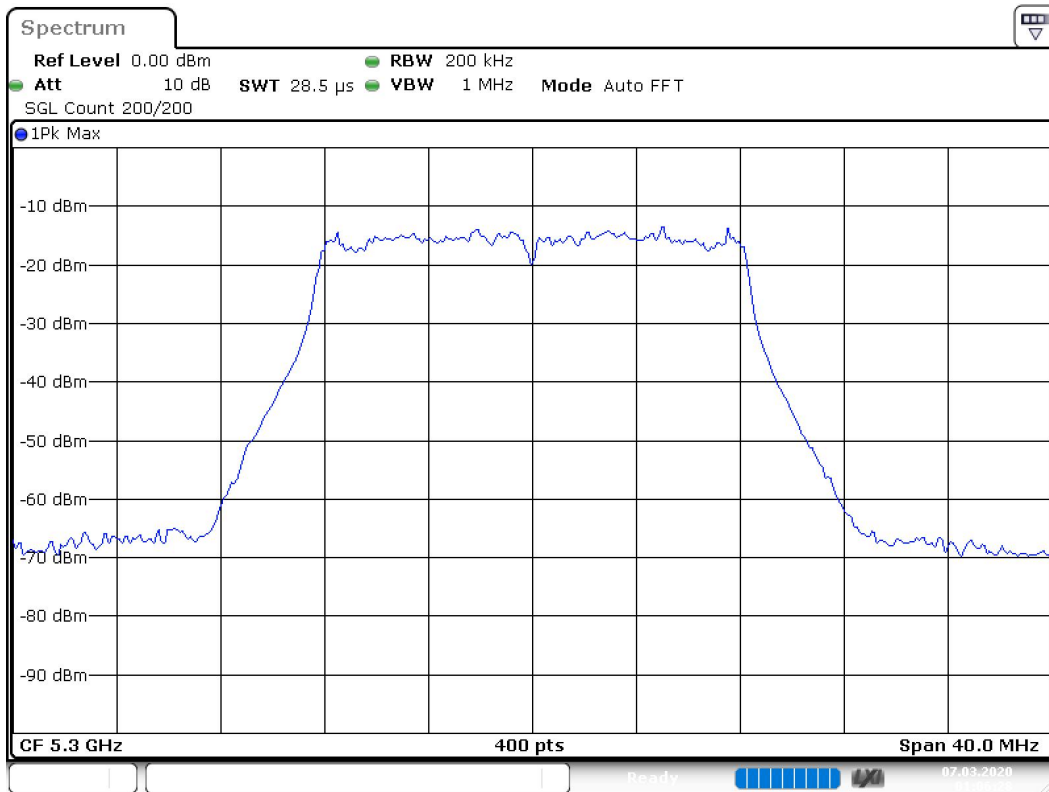
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	16.500000	---	---	5291.750000	5308.250000

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

DUT Frequency (MHz)	Result
5300.000000	PASS



Bandwidth



Date: 7.MAR.2020 01:06:28

Emission Bandwidth 26 dB (5330 MHz; 30.000 dBm; 20 MHz)

Customized settings.

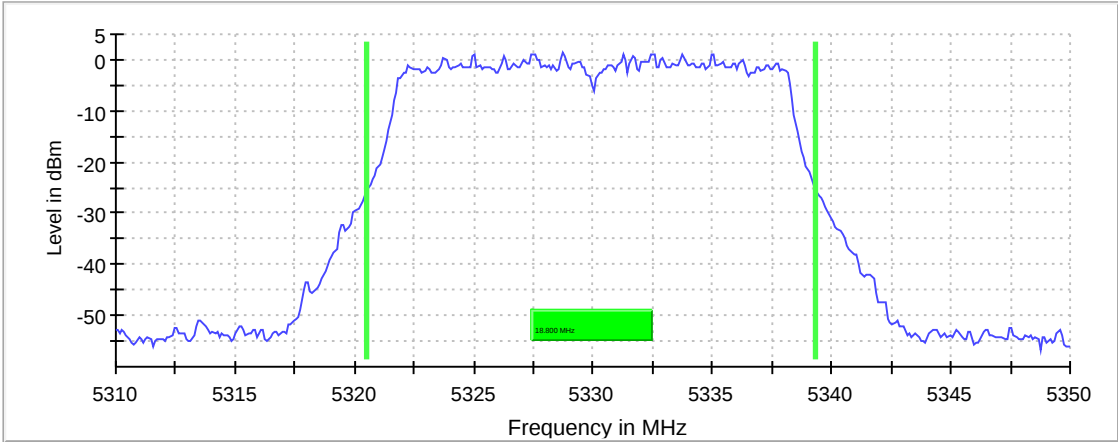
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5330.000000	18.800000	---	---	5320.550000	5339.350000

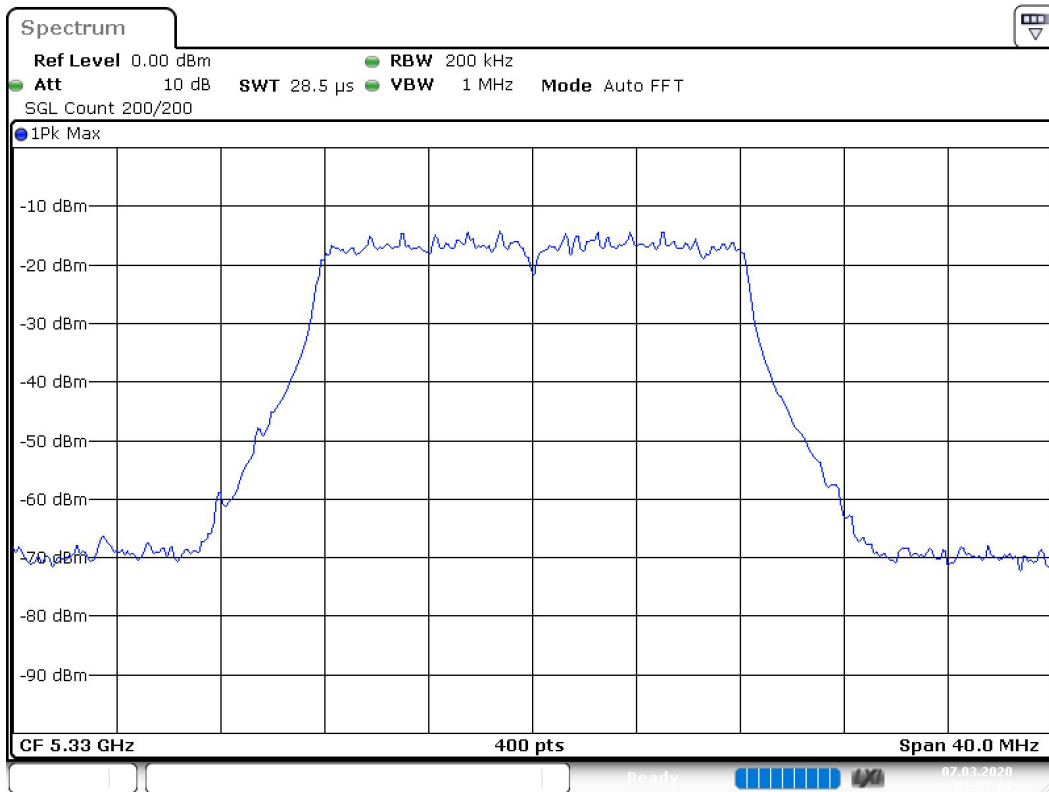
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5330.000000	1.4	PASS

26 dB Bandwidth



Bandwidth



Date: 7.MAR.2020 01:07:02

RF output power (5330 MHz; 30.000 dBm; 20 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5330.000000	16.9	---	26.9	95.754	PASS

Power Spectral Density (5330 MHz; 30.000 dBm; 20 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5330.000000	5332.178218	3.337	7.0	PASS

Ports

Port	Duty Cycle (%)
1	0.000
2	0.000

Occupied Channel Bandwidth 99% (5330 MHz; 30.000 dBm; 20 MHz)

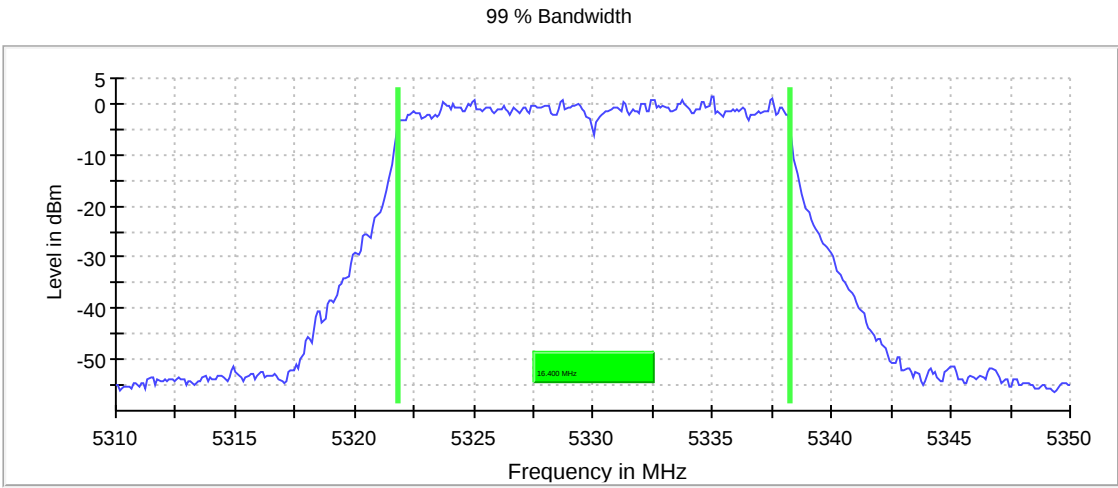
Customized settings.

99 % Bandwidth

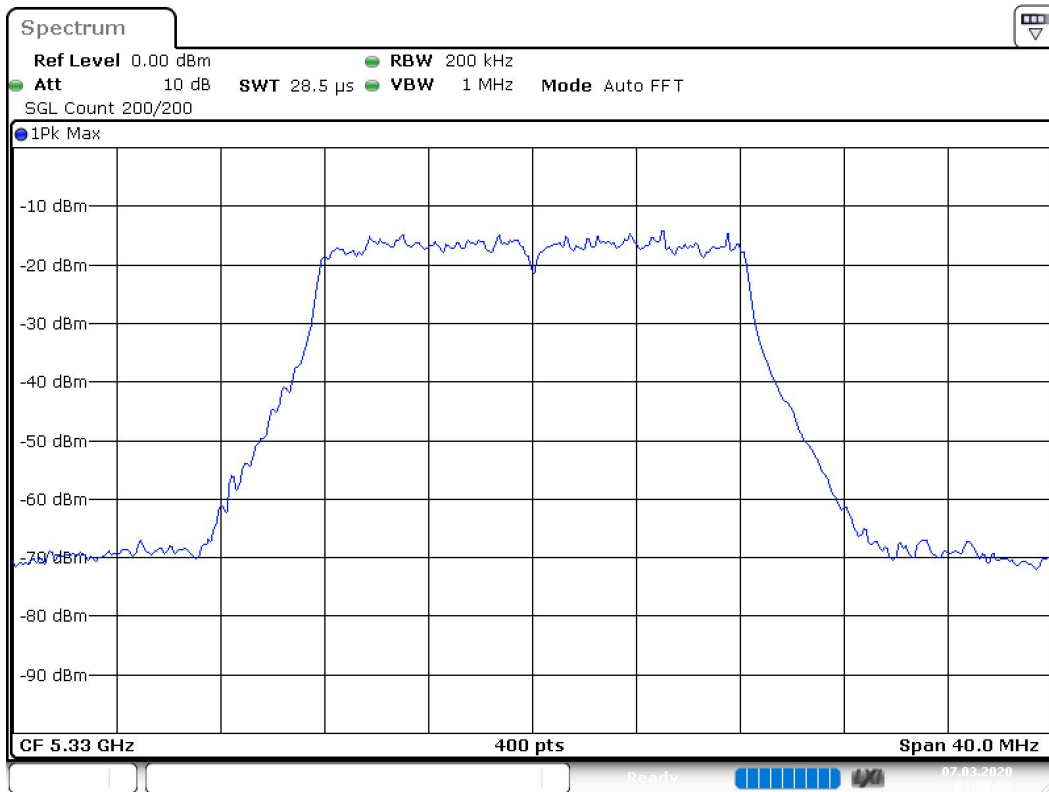
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5330.000000	16.400000	---	---	5321.850000	5338.250000

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

DUT Frequency (MHz)	Result
5330.000000	PASS



Bandwidth



Date: 7.MAR.2020 01:07:53

Frequency Error (5330 MHz; 30.000 dBm; 20 MHz)**Result**

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)	Result
5330.000000	5330.010999	2.064	10.999000	---	---	PASS

Emission Bandwidth 26 dB (5270 MHz; 30.000 dBm; 40 MHz)

Customized settings.

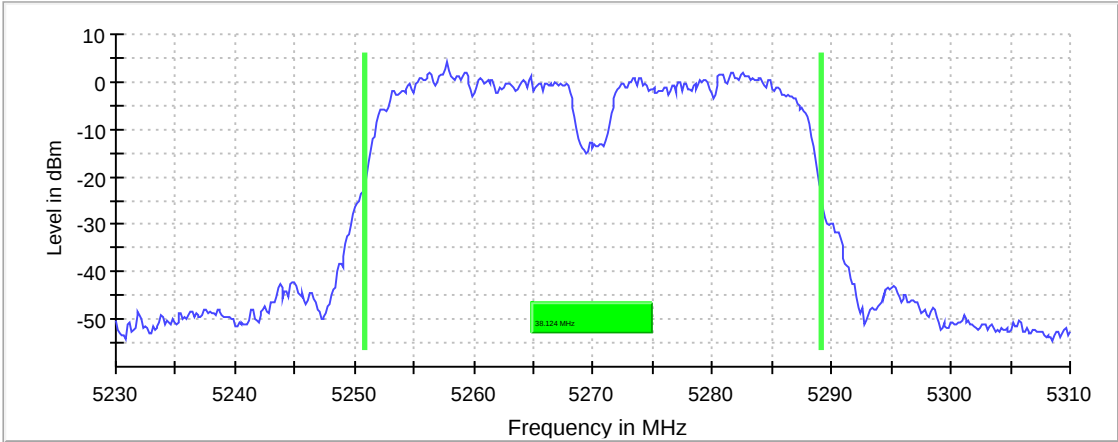
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5270.000000	38.123828	---	---	5250.938086	5289.061914

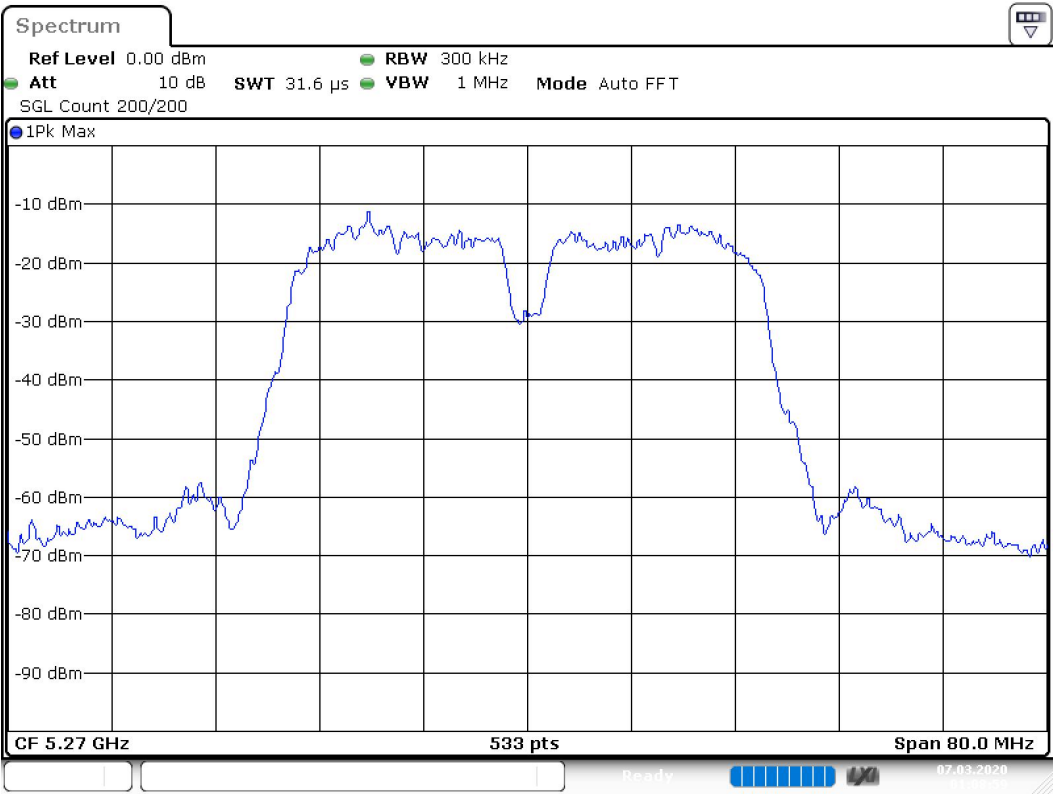
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5270.000000	4.2	PASS

26 dB Bandwidth



Bandwidth



Date: 7.MAR.2020 01:08:59

RF output power (5270 MHz; 30.000 dBm; 40 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5270.000000	18.3	---	28.3	95.415	PASS

Power Spectral Density (5270 MHz; 30.000 dBm; 40 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5270.000000	5257.722772	4.084	7.0	PASS

Ports

Port	Duty Cycle (%)
1	0.000
2	0.000

Occupied Channel Bandwidth 99% (5270 MHz; 30.000 dBm; 40 MHz)

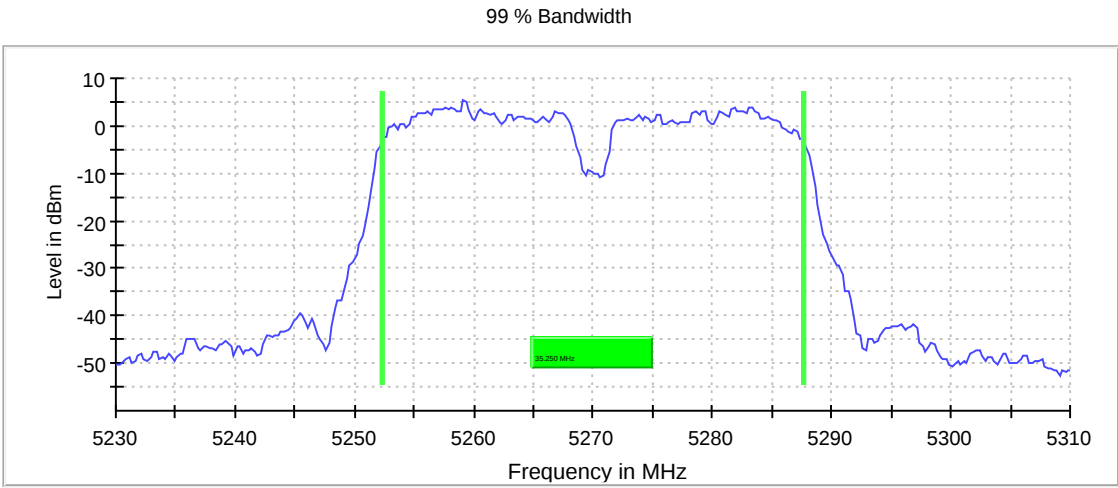
Customized settings.

99 % Bandwidth

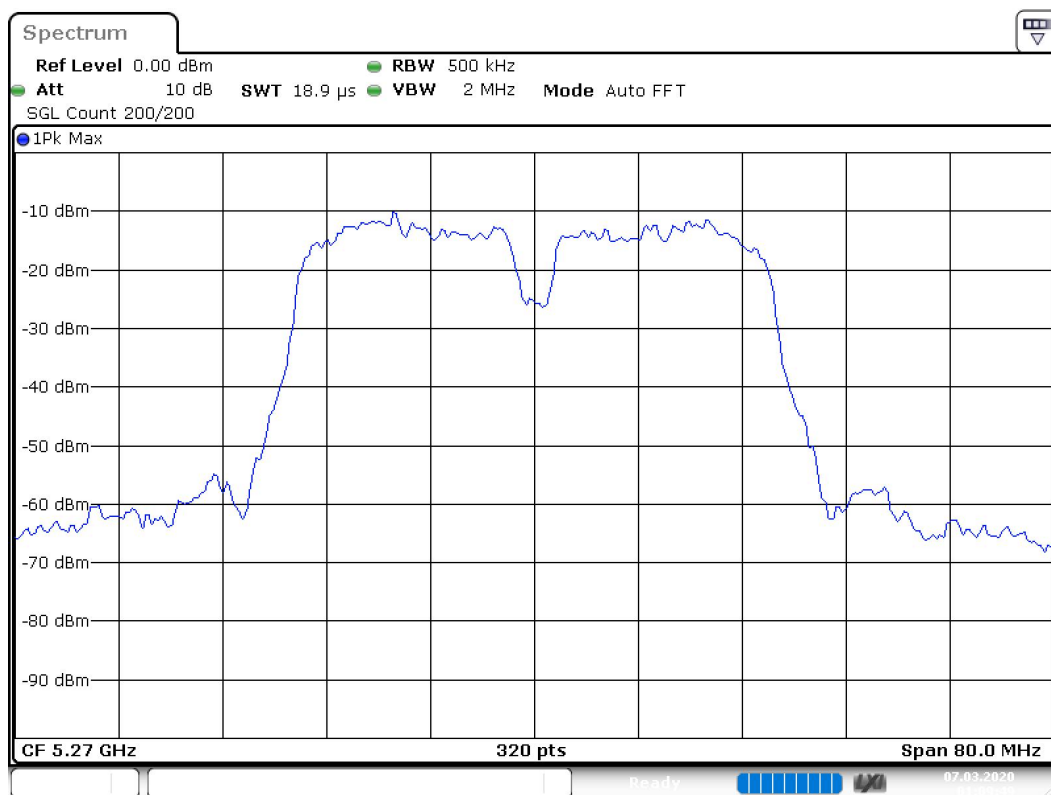
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5270.000000	35.250000	---	---	5252.375000	5287.625000

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

DUT Frequency (MHz)	Result
5270.000000	PASS



Bandwidth



Date: 7.MAR.2020 01:09:50

Emission Bandwidth 26 dB (5300 MHz; 30.000 dBm; 40 MHz)

Customized settings.

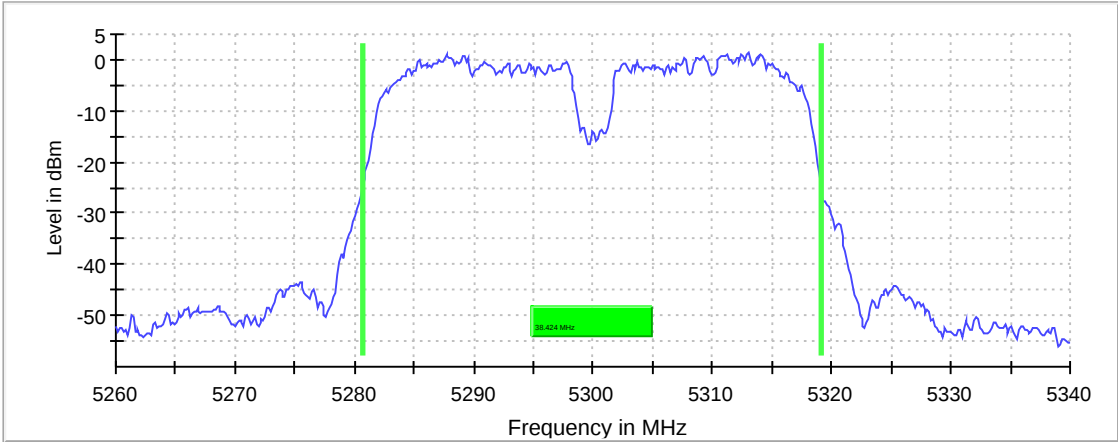
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	38.424015	---	---	5280.637899	5319.061914

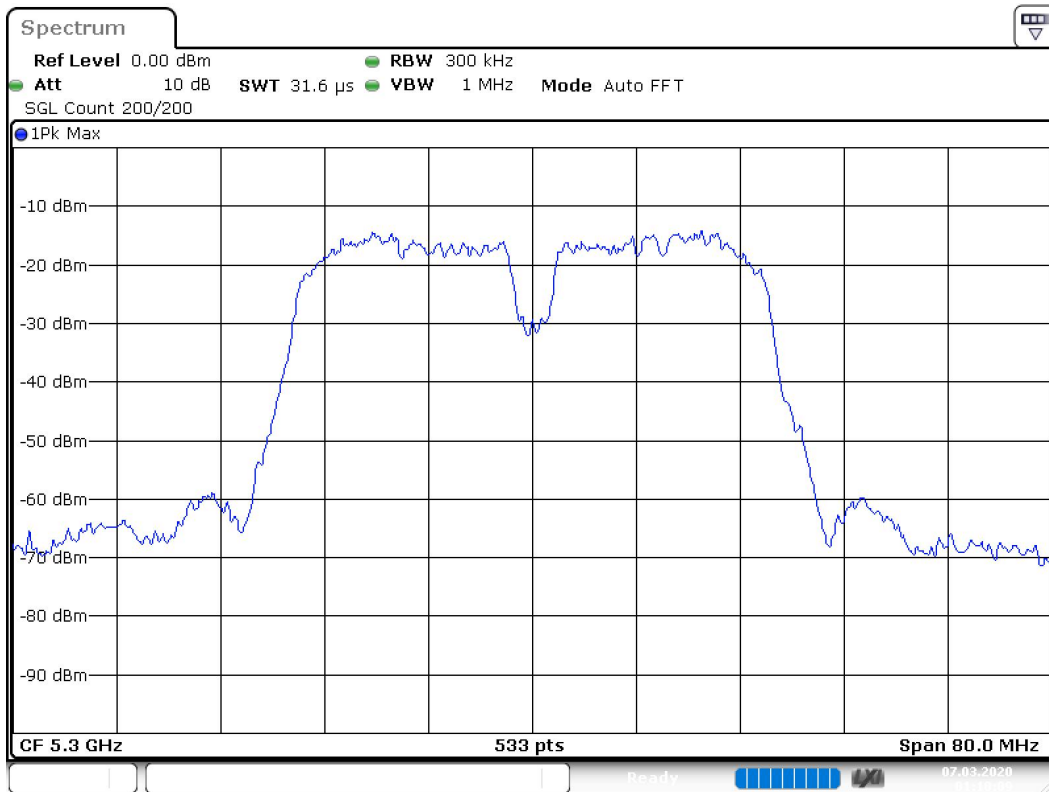
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5300.000000	1.3	PASS

26 dB Bandwidth



Bandwidth



Date: 7.MAR.2020 01:10:10

RF output power (5300 MHz; 30.000 dBm; 40 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5300.000000	17.4	---	27.4	95.642	PASS

Power Spectral Density (5300 MHz; 30.000 dBm; 40 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5300.000000	5311.485149	3.052	7.0	PASS

Ports

Port	Duty Cycle (%)
1	0.000
2	0.000

Occupied Channel Bandwidth 99% (5300 MHz; 30.000 dBm; 40 MHz)

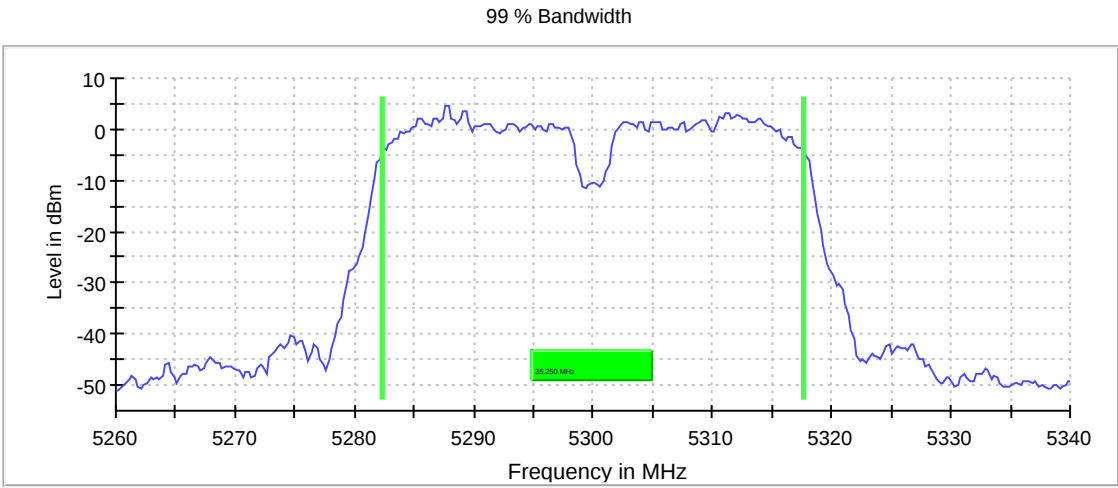
Customized settings.

99 % Bandwidth

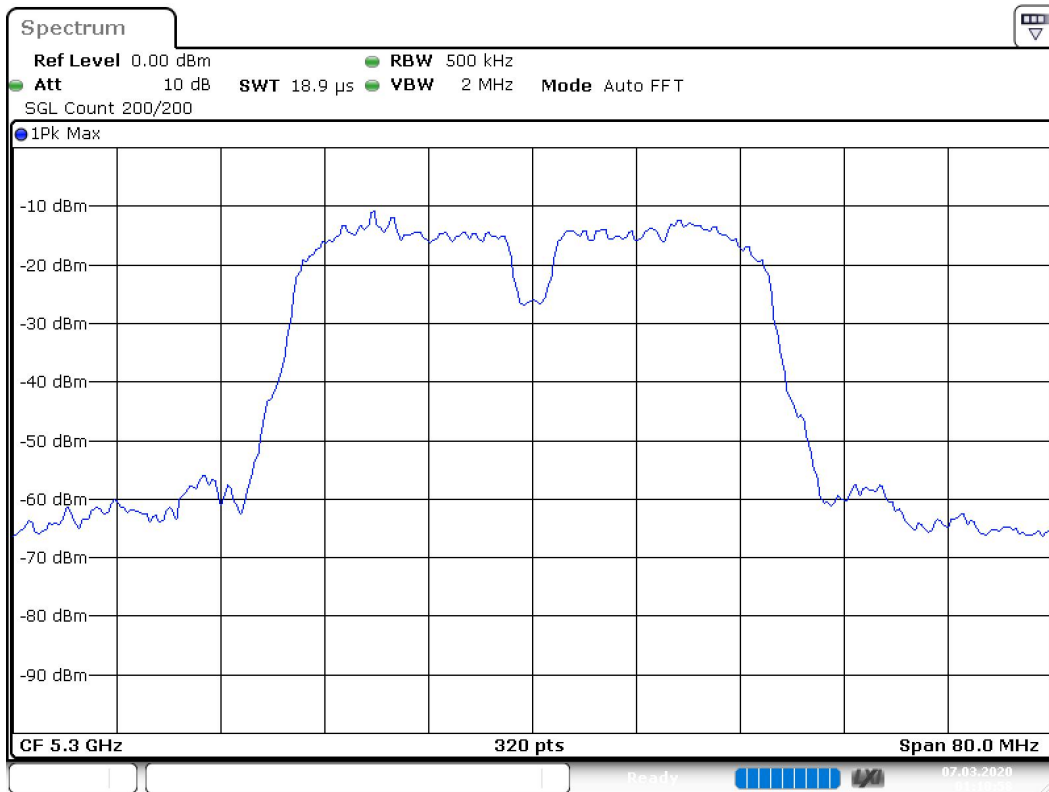
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	35.250000	---	---	5282.375000	5317.625000

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

DUT Frequency (MHz)	Result
5300.000000	PASS



Bandwidth



Date: 7.MAR.2020 01:10:59

Emission Bandwidth 26 dB (5320 MHz; 30.000 dBm; 40 MHz)

Customized settings.

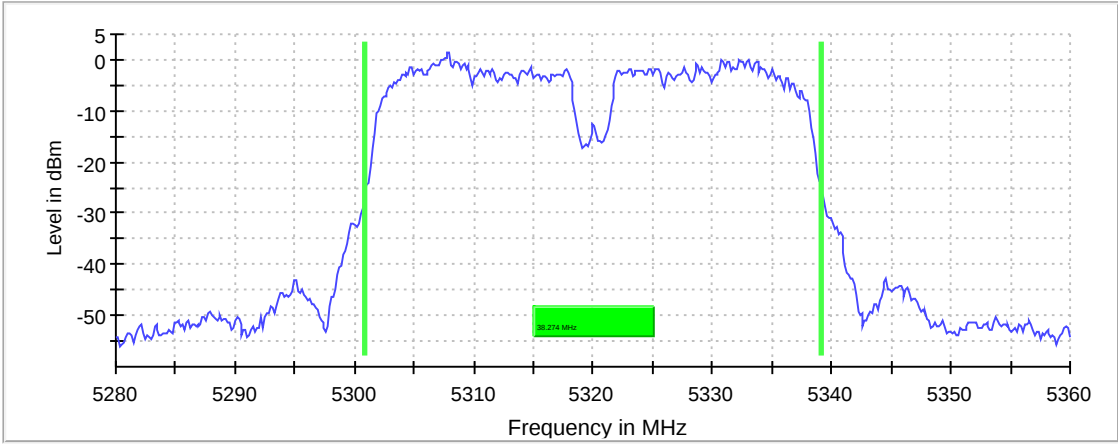
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5320.000000	38.273922	---	---	5300.938086	5339.212008

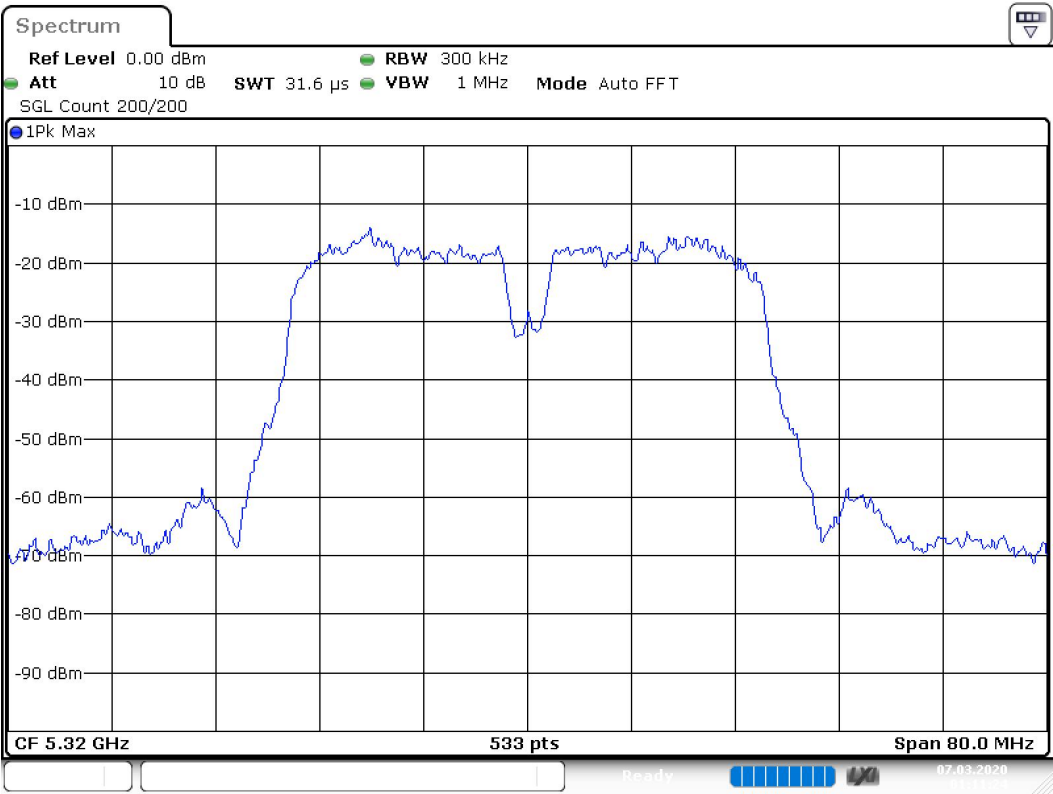
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5320.000000	1.4	PASS

26 dB Bandwidth



Bandwidth



Date: 7.MAR.2020 01:11:24

RF output power (5320 MHz; 30.000 dBm; 40 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5320.000000	16.6	---	26.6	95.639	PASS

Power Spectral Density (5320 MHz; 30.000 dBm; 40 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5320.000000	5307.326733	2.265	7.0	PASS

Ports

Port	Duty Cycle (%)
1	0.000
2	0.000

Occupied Channel Bandwidth 99% (5320 MHz; 30.000 dBm; 40 MHz)

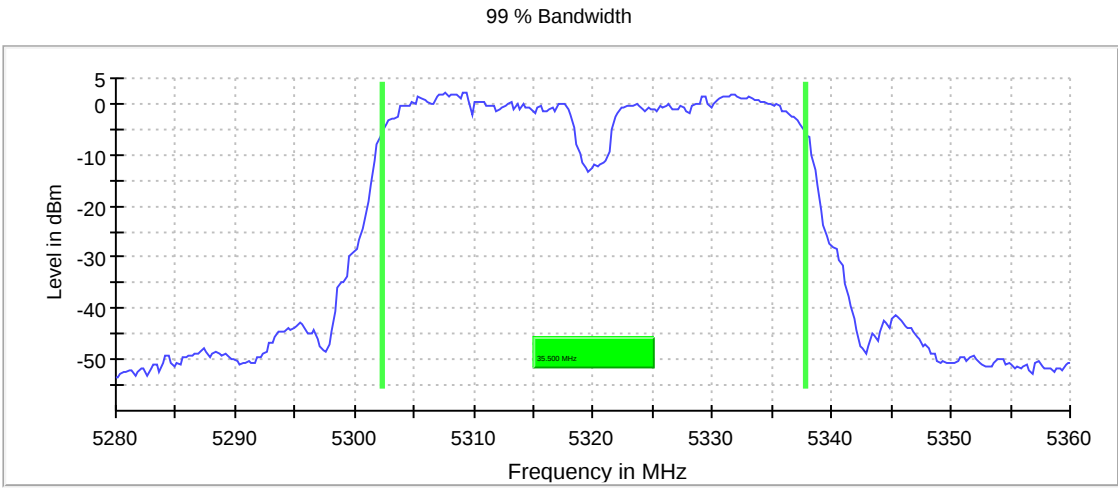
Customized settings.

99 % Bandwidth

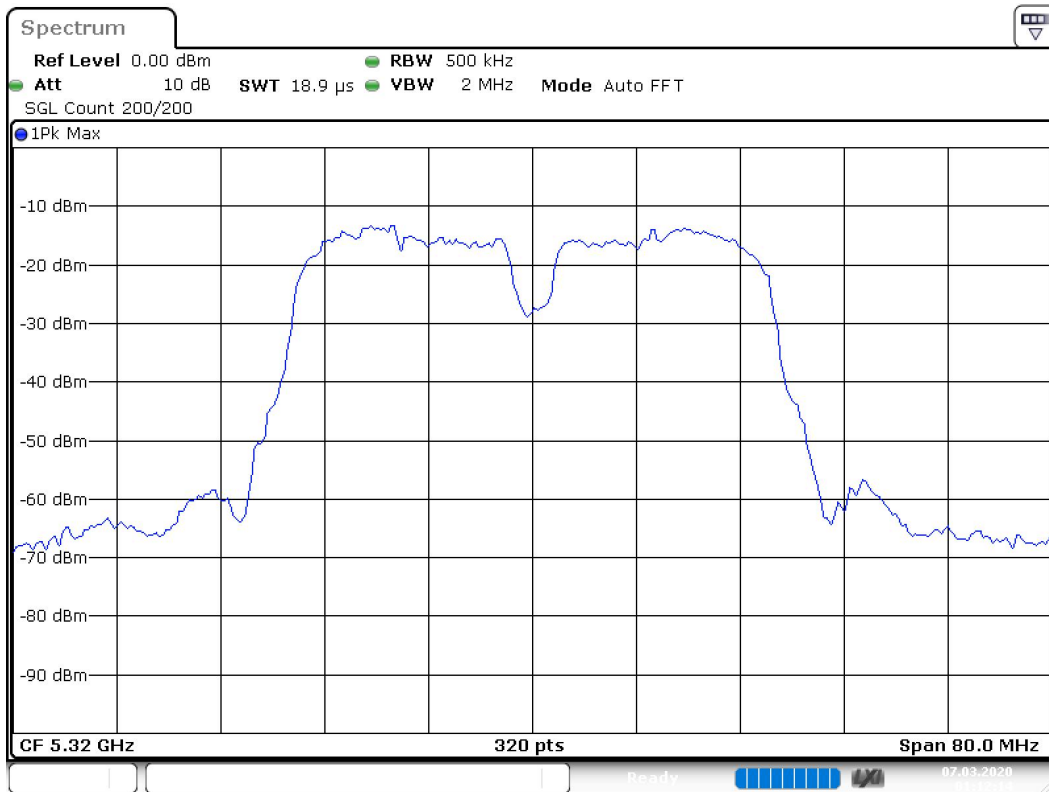
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5320.000000	35.500000	---	---	5302.375000	5337.875000

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

DUT Frequency (MHz)	Result
5320.000000	PASS



Bandwidth



Date: 7.MAR.2020 01:12:14

Emission Bandwidth 26 dB (5300 MHz; 30.000 dBm; 80 MHz)

Customized settings.

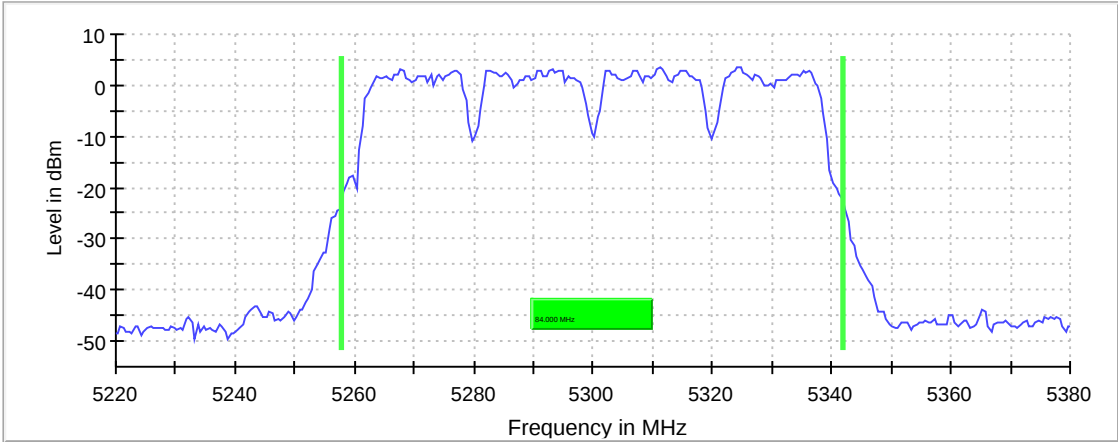
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	84.000000	---	---	5257.750000	5341.750000

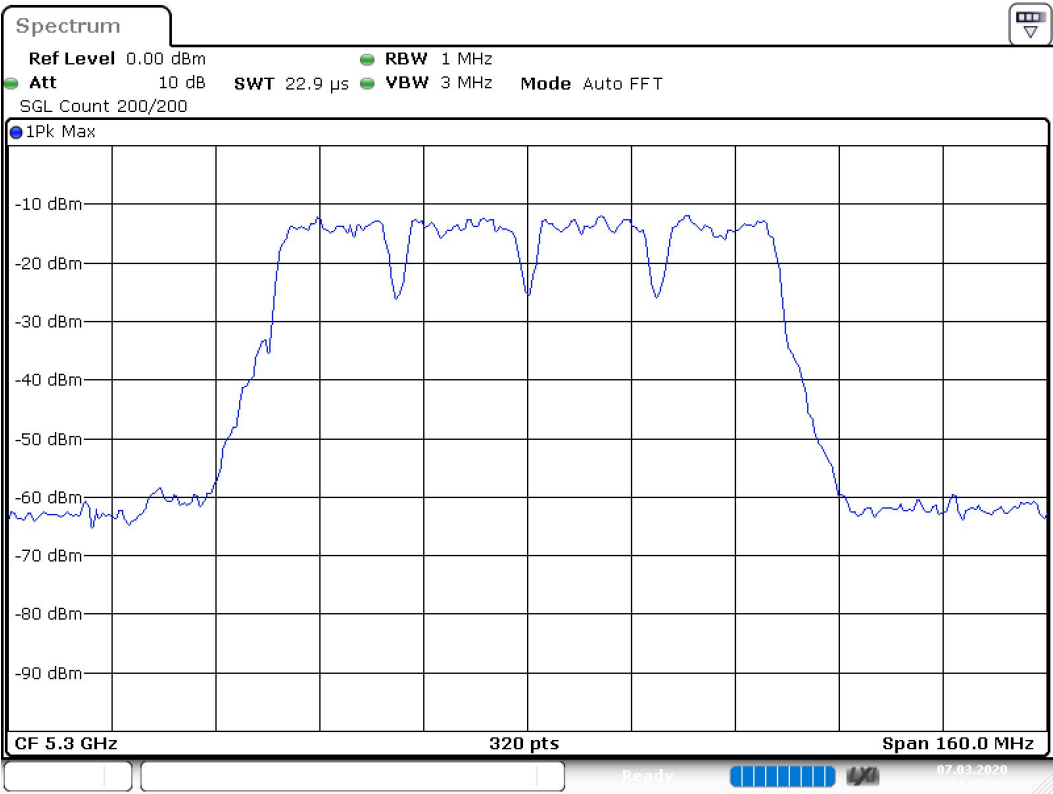
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5300.000000	3.6	PASS

26 dB Bandwidth



Bandwidth



Date: 7.MAR.2020 01:50:43

RF output power (5300 MHz; 30.000 dBm; 80 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5300.000000	18.1	---	28.1	95.530	PASS

Power Spectral Density (5300 MHz; 30.000 dBm; 80 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5300.000000	5308.250000	-0.131	7.0	PASS

Ports

Port	Duty Cycle (%)
1	0.000
2	0.000

Occupied Channel Bandwidth 99% (5300 MHz; 30.000 dBm; 80 MHz)

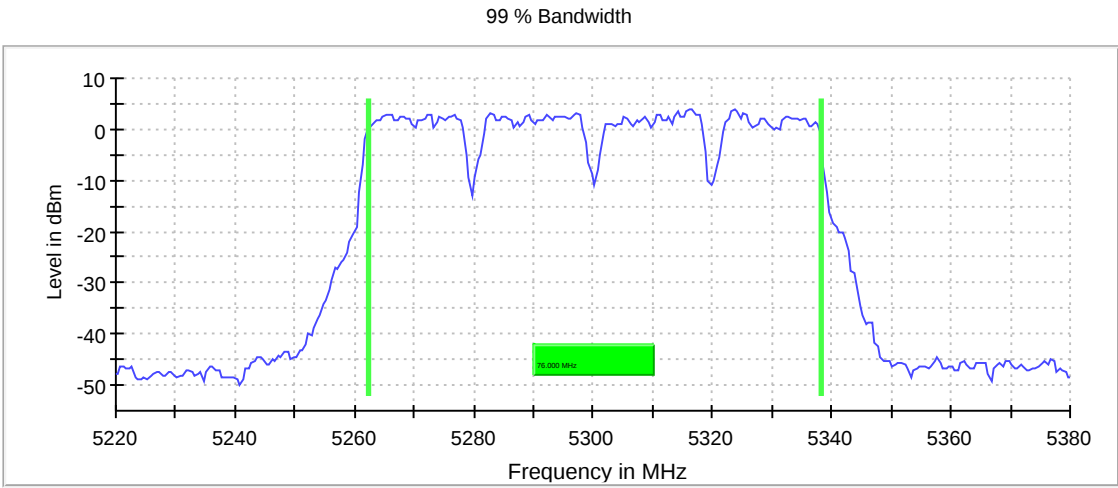
Customized settings.

99 % Bandwidth

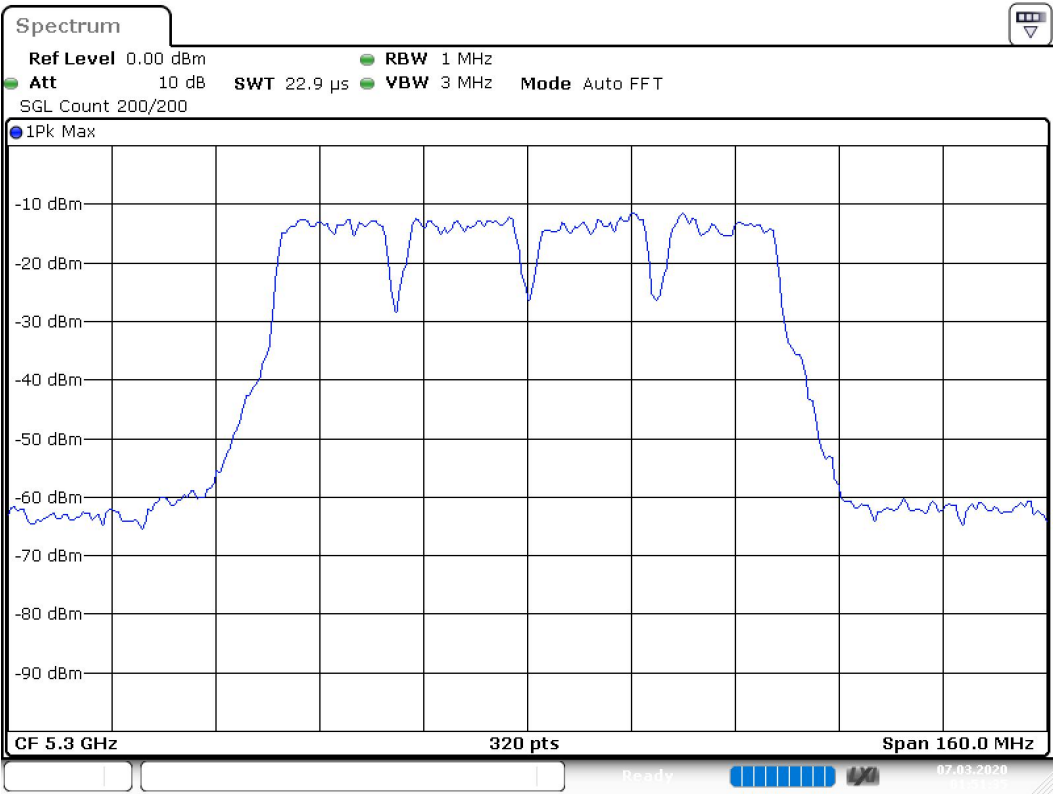
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	76.000000	---	---	5262.250000	5338.250000

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

DUT Frequency (MHz)	Result
5300.000000	PASS



Bandwidth



Date: 7.MAR.2020 01:51:35

Emission Bandwidth 26 dB (5290 MHz; 30.000 dBm; 80 MHz)

Customized settings.

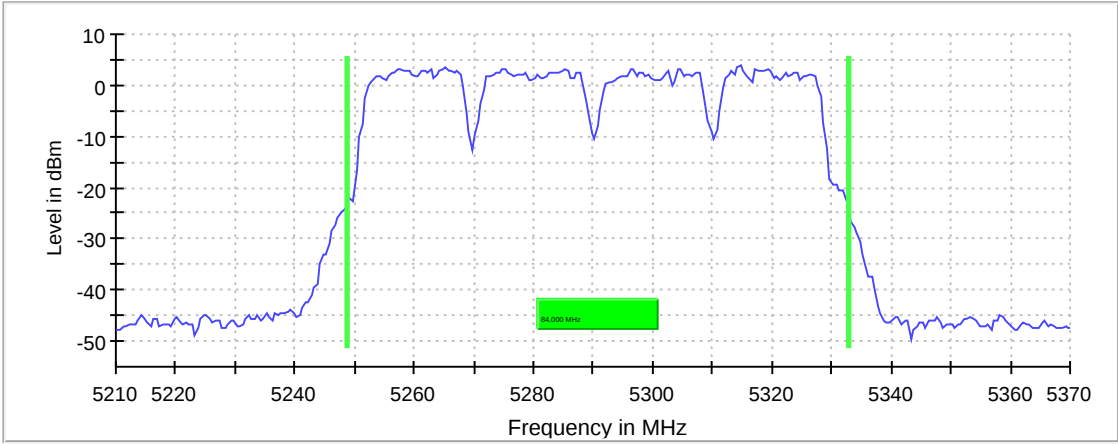
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5290.000000	84.000000	---	---	5248.750000	5332.750000

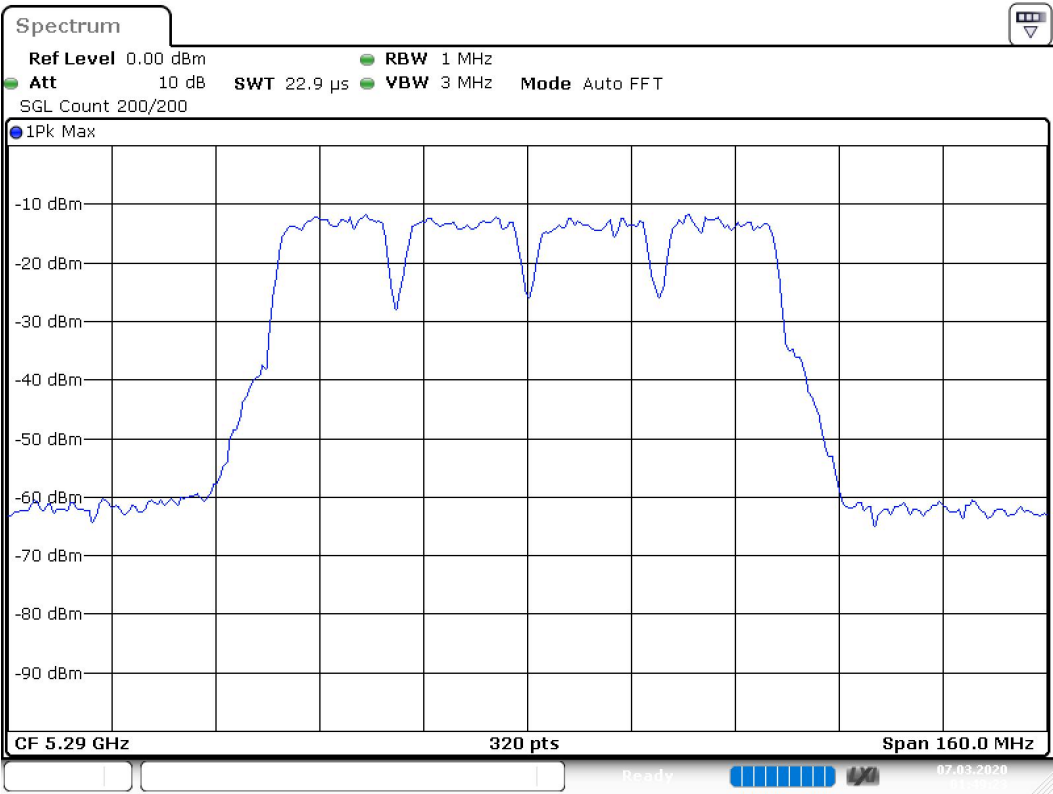
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5290.000000	3.8	PASS

26 dB Bandwidth



Bandwidth



Date: 7.MAR.2020 01:49:23

Occupied Channel Bandwidth 99% (5290 MHz; 30.000 dBm; 80 MHz)

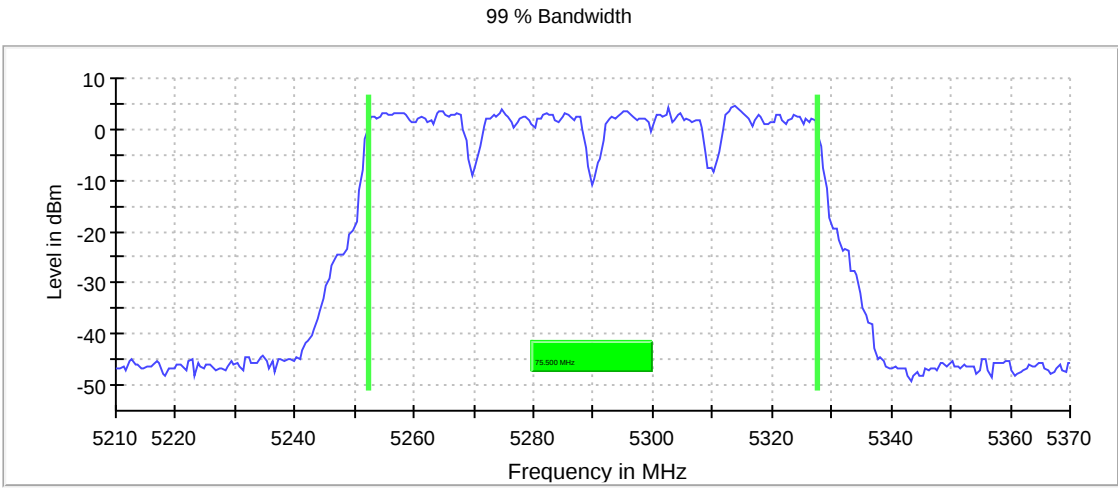
Customized settings.

99 % Bandwidth

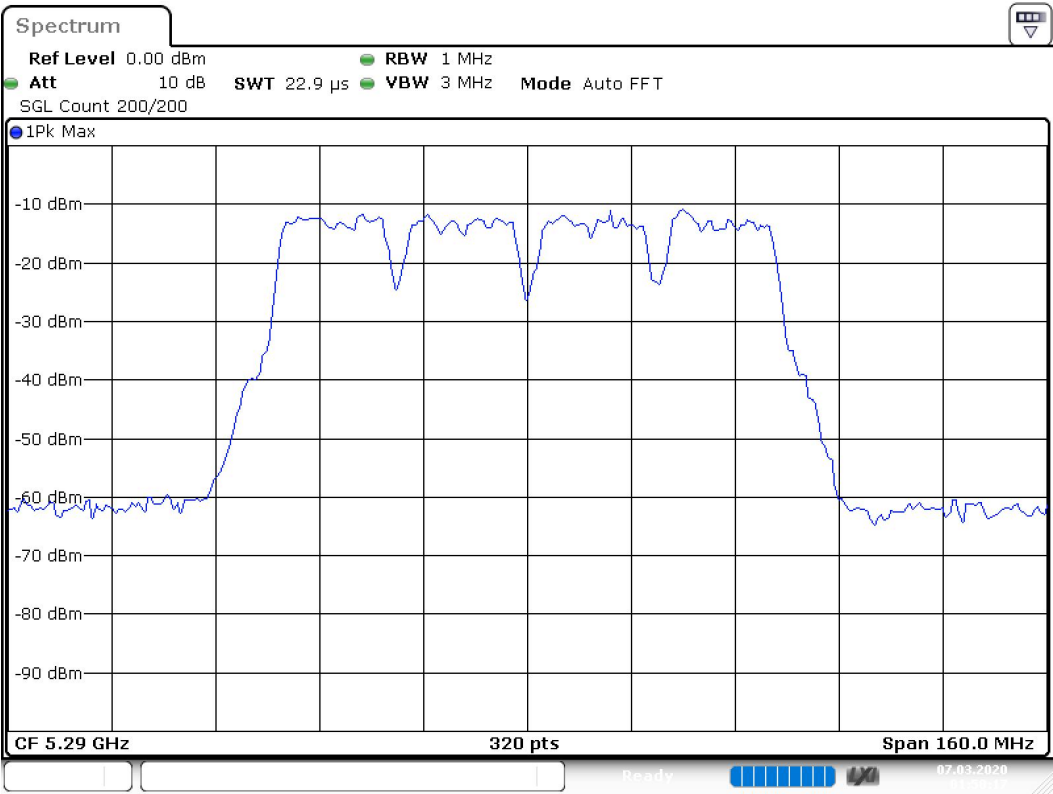
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5290.000000	75.500000	---	---	5252.250000	5327.750000

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

DUT Frequency (MHz)	Result
5290.000000	PASS



Bandwidth



Date: 7.MAR.2020 01:50:17

Power Spectral Density (5290 MHz; 30.000 dBm; 80 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5290.000000	5313.250000	0.183	7.0	PASS

Ports

Port	Duty Cycle (%)
1	0.000
2	0.000

RF output power (5290 MHz; 30.000 dBm; 80 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5290.000000	18.5	---	28.5	95.442	PASS