

LTU-XR UNII-2A Annex

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5255.000	30.0	10.000000	PASS
RF output power	5255.000	30.0	10.000000	PASS
Power Spectral Density	5255.000	30.0	10.000000	PASS
Occupied Channel Bandwidth 99%	5255.000	30.0	10.000000	PASS
Emission Bandwidth 26 dB	5300.000	30.0	10.000000	PASS
RF output power	5300.000	30.0	10.000000	PASS
Power Spectral Density	5300.000	30.0	10.000000	PASS
Occupied Channel Bandwidth 99%	5300.000	30.0	10.000000	PASS
Emission Bandwidth 26 dB	5340.000	30.0	10.000000	PASS
RF output power	5340.000	30.0	10.000000	PASS
Power Spectral Density	5340.000	30.0	10.000000	PASS
Occupied Channel Bandwidth 99%	5340.000	30.0	10.000000	PASS
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
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	5335.000	30.0	20.000000	PASS
RF output power	5335.000	30.0	20.000000	PASS
Power Spectral Density	5335.000	30.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5335.000	30.0	20.000000	PASS
Emission Bandwidth 26 dB	5270.000	30.0	30.000000	PASS
RF output power	5270.000	30.0	30.000000	PASS
Power Spectral Density	5270.000	30.0	30.000000	PASS
Occupied Channel Bandwidth 99%	5270.000	30.0	30.000000	PASS
Emission Bandwidth 26 dB	5300.000	30.0	30.000000	PASS
RF output power	5300.000	30.0	30.000000	PASS
Power Spectral Density	5300.000	30.0	30.000000	PASS
Occupied Channel Bandwidth 99%	5300.000	30.0	30.000000	PASS
Emission Bandwidth 26 dB	5330.000	30.0	30.000000	PASS
RF output power	5330.000	30.0	30.000000	PASS
Power Spectral Density	5330.000	30.0	30.000000	PASS
Occupied Channel Bandwidth 99%	5330.000	30.0	30.000000	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	5325.000	30.0	40.000000	PASS
RF output power	5325.000	30.0	40.000000	PASS
Power Spectral Density	5325.000	30.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5325.000	30.0	40.000000	PASS
Emission Bandwidth 26 dB	5275.000	30.0	50.000000	PASS
RF output power	5275.000	30.0	50.000000	PASS
Power Spectral Density	5275.000	30.0	50.000000	PASS
Occupied Channel Bandwidth 99%	5275.000	30.0	50.000000	PASS
Emission Bandwidth 26 dB	5300.000	30.0	50.000000	PASS
RF output power	5300.000	30.0	50.000000	PASS
Power Spectral Density	5300.000	30.0	50.000000	PASS
Occupied Channel Bandwidth 99%	5300.000	30.0	50.000000	PASS
Emission Bandwidth 26 dB	5320.000	30.0	50.000000	PASS
RF output power	5320.000	30.0	50.000000	PASS
Power Spectral Density	5320.000	30.0	50.000000	PASS
Occupied Channel Bandwidth 99%	5320.000	30.0	50.000000	PASS

Emission Bandwidth 26 dB (5255 MHz; 30.000 dBm; 10 MHz)

Customized settings.

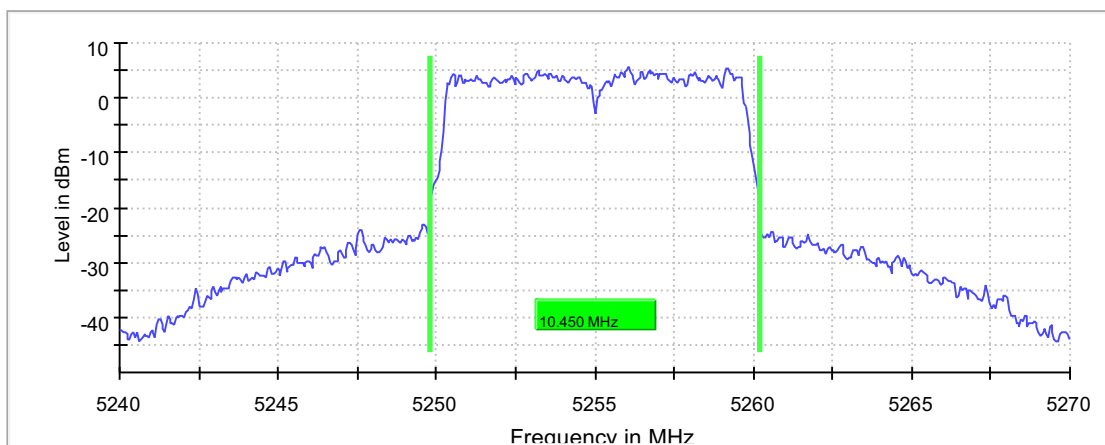
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5255.000000	10.450000	---	---	5249.775000	5260.225000

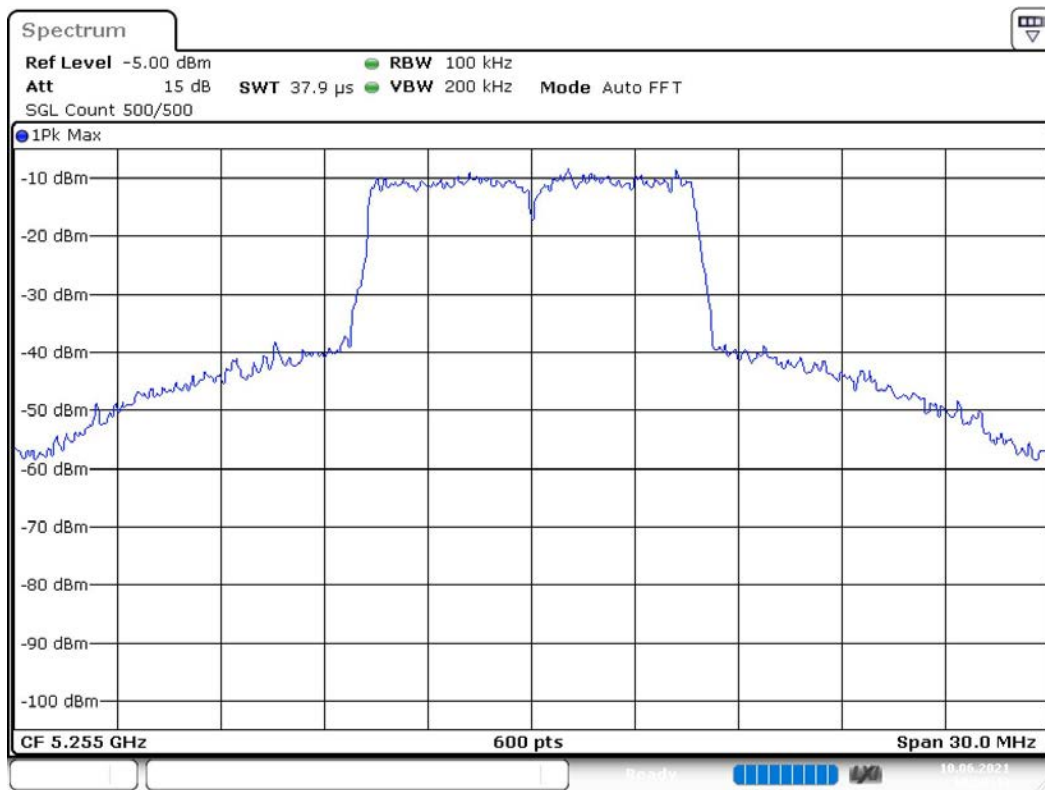
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5255.000000	5.8	PASS

26 dB Bandwidth



Bandwidth



Date: 10.JUN.2021 14:59:43

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.24000 GHz	5.24000 GHz
Stop Frequency	5.27000 GHz	5.27000 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	200.000 kHz	>= 120.000 kHz
SweepPoints	600	~ 600
Sweeptime	37.891 μ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

RF output power (5255 MHz; 30.000 dBm; 10 MHz)

Customized settings.

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5255.000000	21.1	21.2	24.1	98.324	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 (5255 MHz; 30.000 dBm; 10 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5255.000000	5256.485149	8.884	11.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.26000 GHz	5.26000 GHz
Span	10.000 MHz	10.000 MHz
RBW	1.000 MHz	$\leq$ 1.000 MHz
VBW	3.000 MHz	$\geq$ 3.000 MHz
SweepPoints	101	$\sim$ 20
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	Average Power	Average Power
SweepType	FFT	AUTO

Preamp	off	off
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Occupied Channel Bandwidth 99% (5255 MHz; 30.000 dBm; 10 MHz)

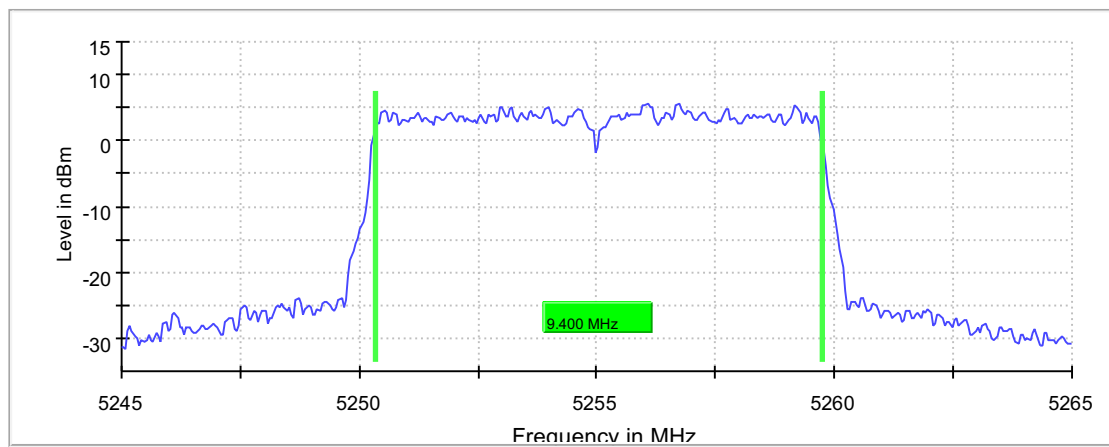
99 % Bandwidth

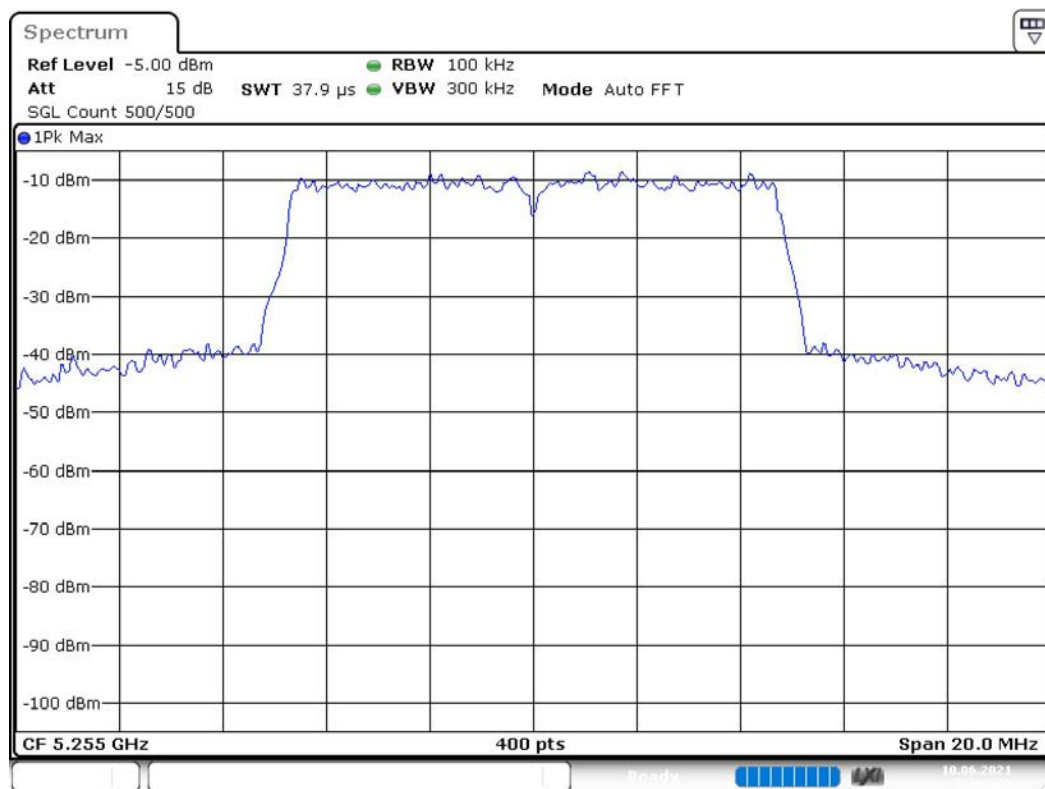
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5255.000000	9.400000	---	---	5250.325000	5259.725000

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

DUT Frequency (MHz)	Result
5255.000000	PASS

99 % Bandwidth





Date: 10.JUN.2021 15:00:33

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.24500 GHz	5.24500 GHz
Stop Frequency	5.26500 GHz	5.26500 GHz
Span	20.000 MHz	20.000 MHz
RBW	100.000 kHz	≥ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	400	~ 400
Sweeptime	37.891 μ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

Emission Bandwidth 26 dB (5300 MHz; 30.000 dBm; 10 MHz)

Customized settings.

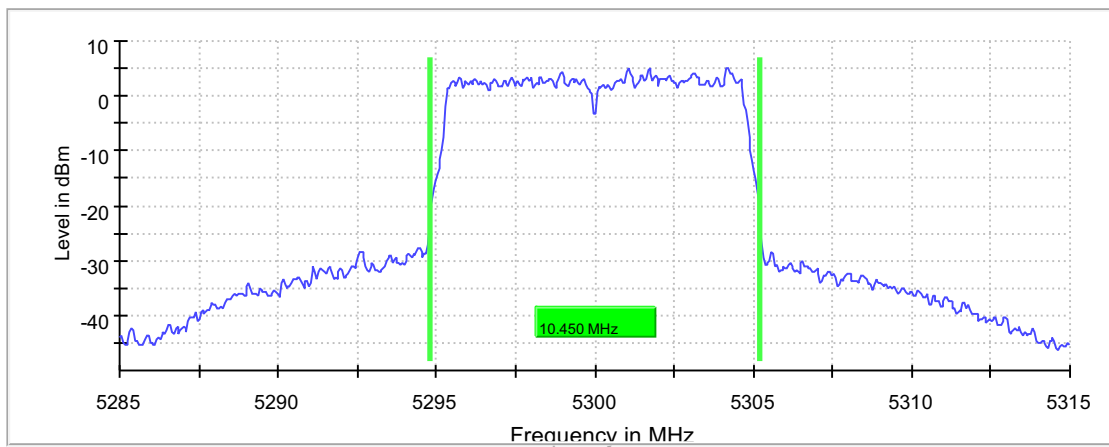
26 dB Bandwidth

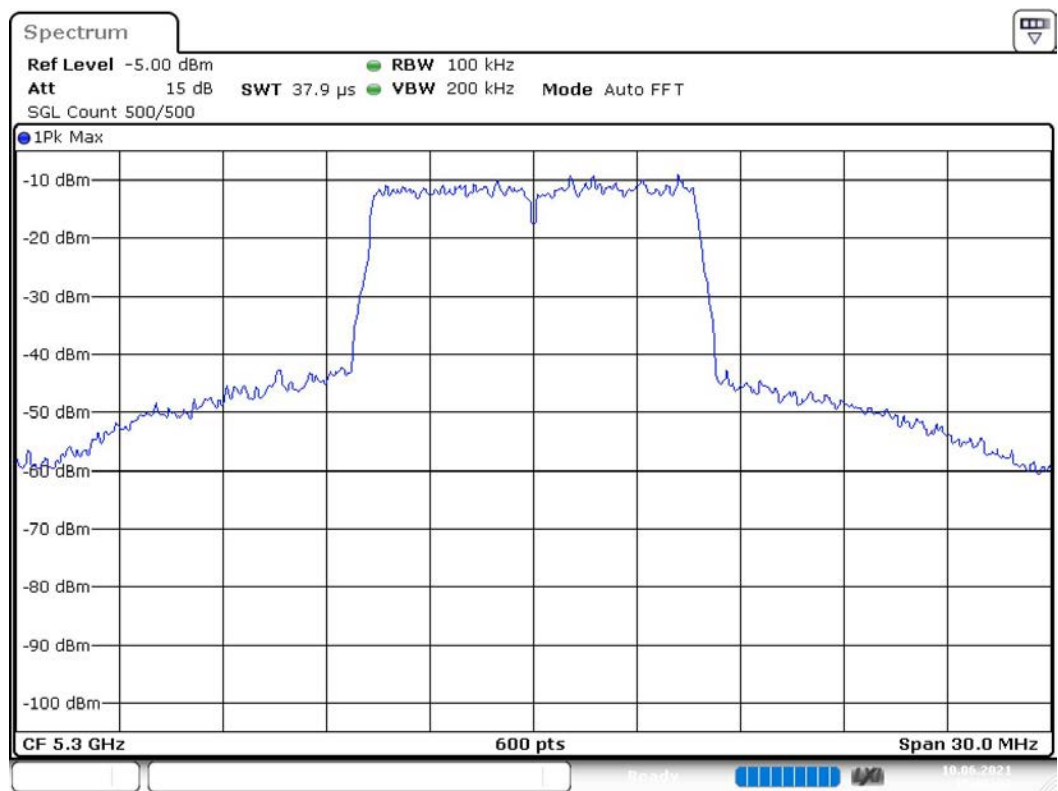
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	10.450000	---	---	5294.775000	5305.225000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5300.000000	5.1	PASS

26 dB Bandwidth





Date: 10.JUN.2021 15:06:33

RF output power (5300 MHz; 30.000 dBm; 10 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5300.000000	20.7	21.2	23.7	98.323	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 (5300 MHz; 30.000 dBm; 10 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5300.000000	5301.287129	8.275	11.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.29500 GHz	5.29500 GHz
Stop Frequency	5.30500 GHz	5.30500 GHz
Span	10.000 MHz	10.000 MHz
RBW	1.000 MHz	$\leq$ 1.000 MHz
VBW	3.000 MHz	$\geq$ 3.000 MHz
SweepPoints	101	$\sim$ 20
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	Average Power	Average Power
SweepType	FFT	AUTO
Preamplifier	off	off

Occupied Channel Bandwidth 99% (5300 MHz; 30.000 dBm; 10 MHz)

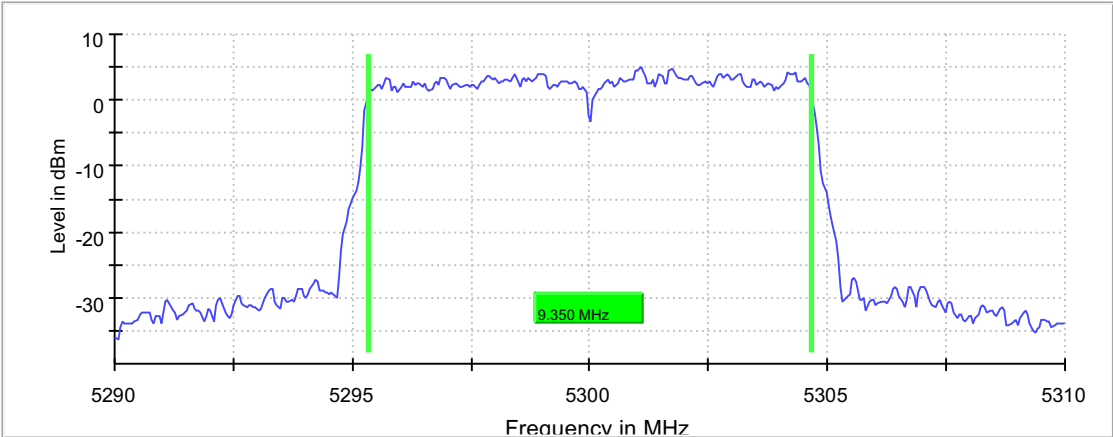
99 % Bandwidth

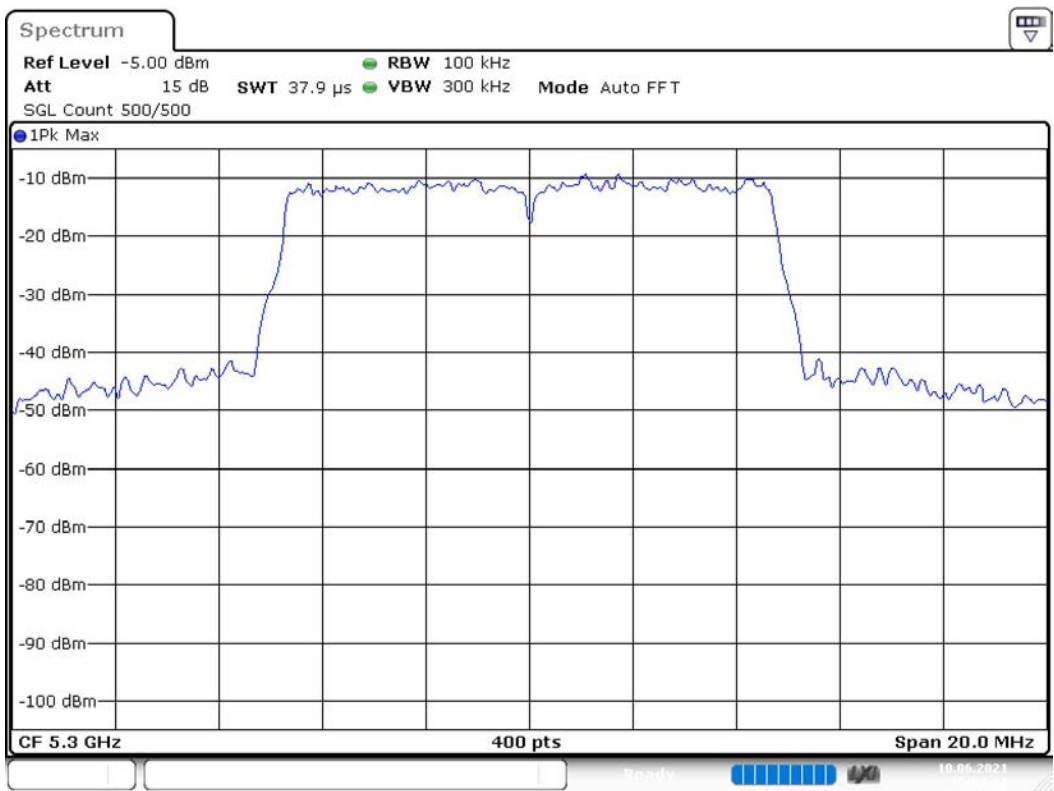
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	9.350000	---	---	5295.325000	5304.675000

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

DUT Frequency (MHz)	Result
5300.000000	PASS

99 % Bandwidth





Date: 10.JUN.2021 15:07:22

Emission Bandwidth 26 dB (5340 MHz; 30.000 dBm; 10 MHz)

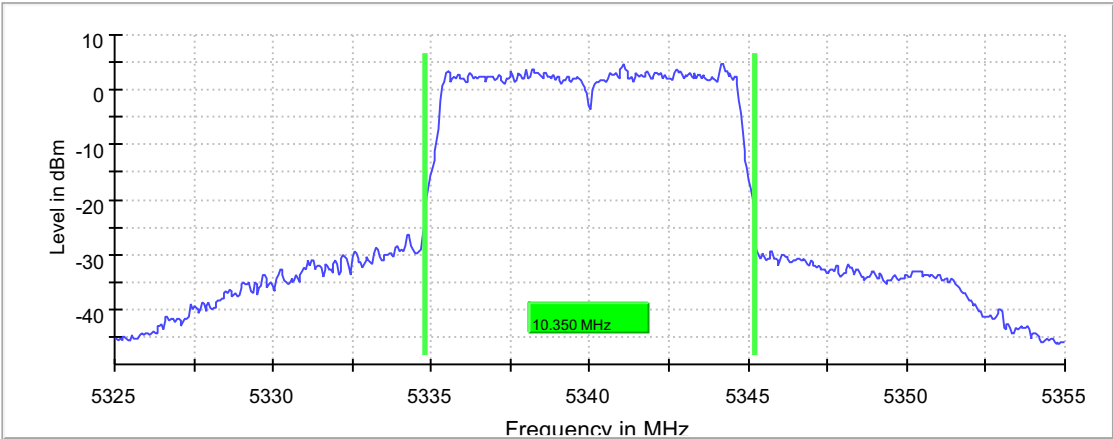
26 dB Bandwidth

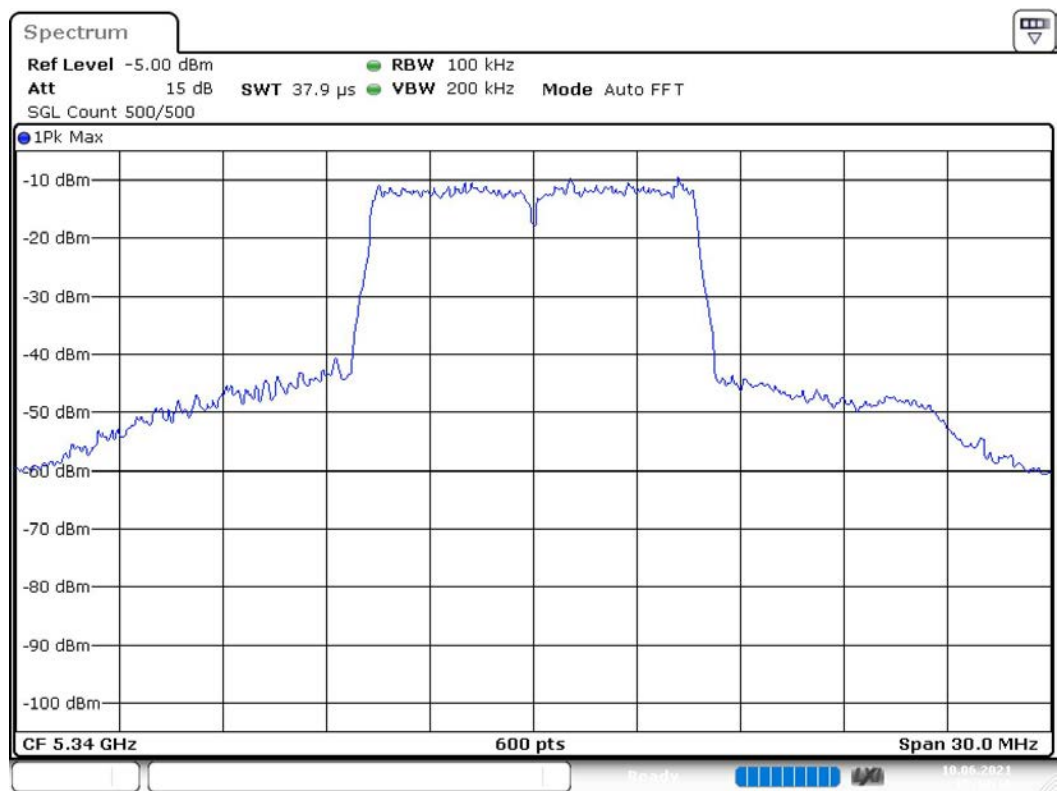
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5340.000000	10.350000	---	---	5334.825000	5345.175000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5340.000000	4.8	PASS

26 dB Bandwidth





Date: 10.JUN.2021 15:13:20

RF output power (5340 MHz; 30.000 dBm; 10 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5340.000000	20.5	21.1	23.5	98.322	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 (5340 MHz; 30.000 dBm; 10 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5340.000000	5341.386139	8.173	11.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.33500 GHz	5.33500 GHz
Stop Frequency	5.34500 GHz	5.34500 GHz
Span	10.000 MHz	10.000 MHz
RBW	1.000 MHz	$\leq$ 1.000 MHz
VBW	3.000 MHz	$\geq$ 3.000 MHz
SweepPoints	101	$\sim$ 20
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	Average Power	Average Power
SweepType	FFT	AUTO
Preamplifier	off	off

Occupied Channel Bandwidth 99% (5340 MHz; 30.000 dBm; 10 MHz)

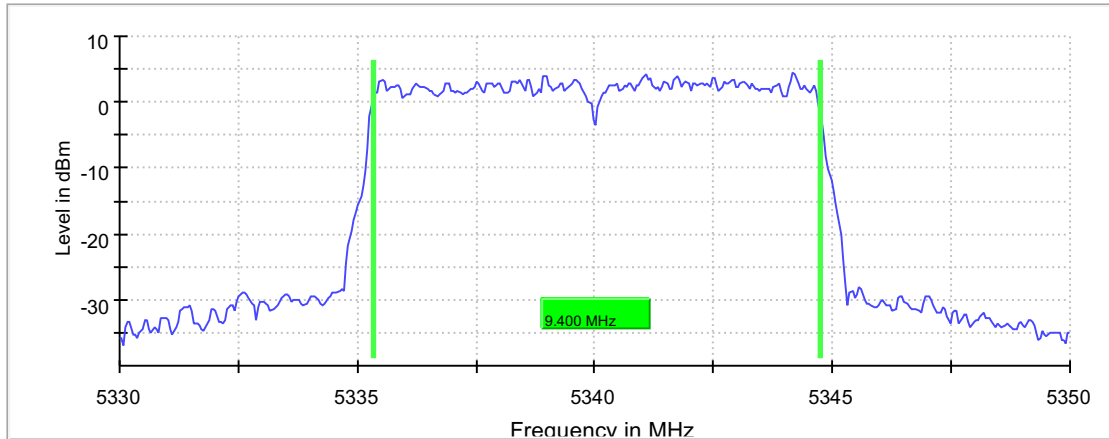
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5340.000000	9.400000	---	---	5335.325000	5344.725000

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

DUT Frequency (MHz)	Result
5340.000000	PASS

99 % Bandwidth



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

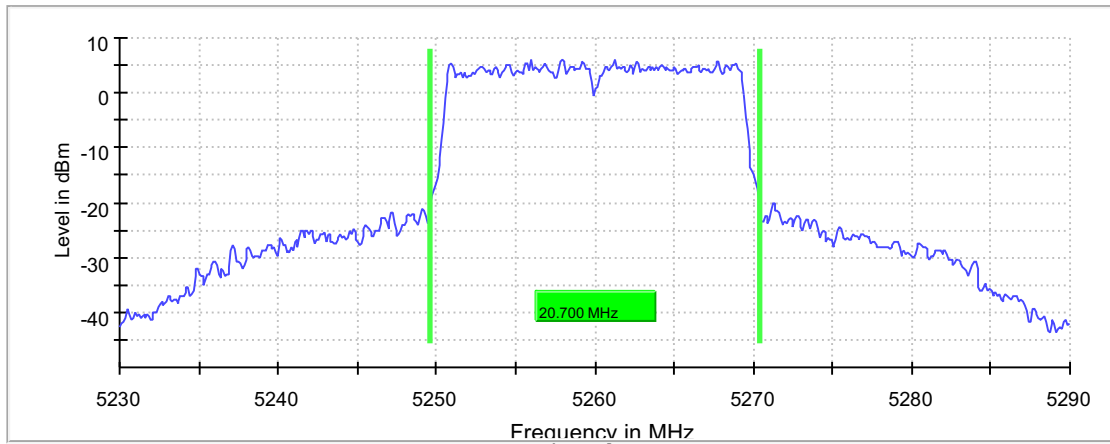
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5260.000000	20.700000	---	---	5249.650000	5270.350000

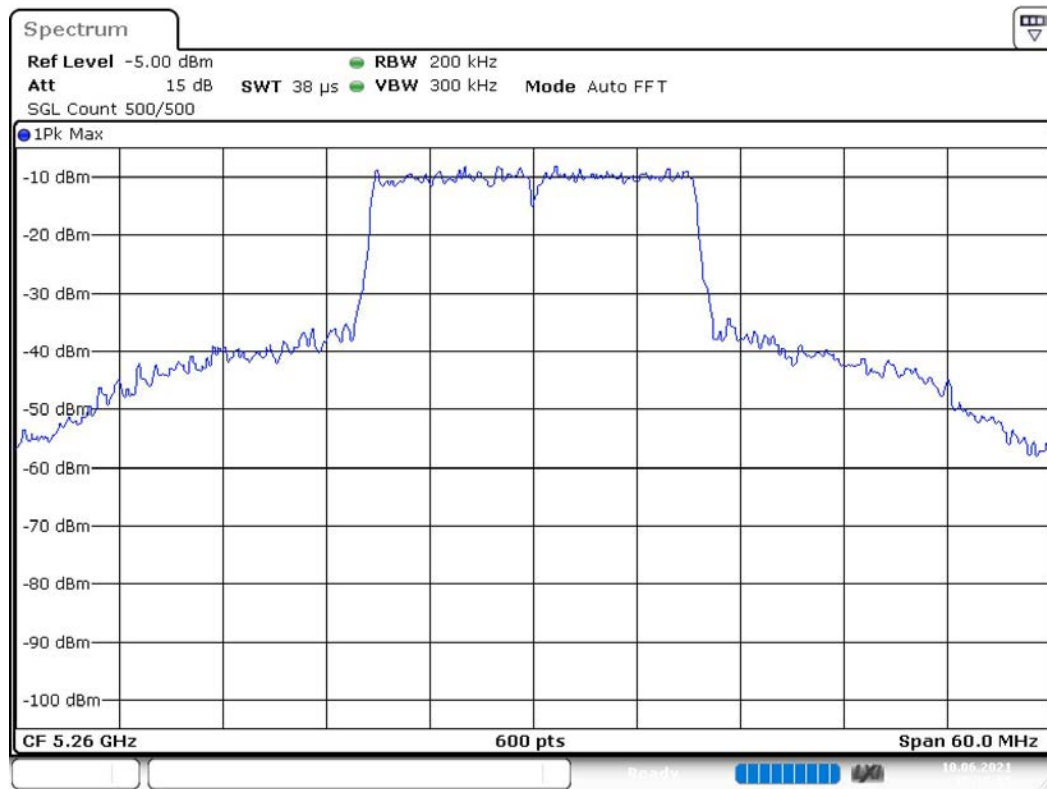
(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5260.000000	6.1	PASS

26 dB Bandwidth



Bandwidth



Date: 10.JUN.2021 15:15:56

RF output power (5260 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5260.000000	21.8	24.0	24.8	99.382	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)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5260.000000	5261.386139	6.758	11.0	PASS

Ports

Port	State
1	used
2	used

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	$\leq$ 1.000 MHz
VBW	3.000 MHz	$\geq$ 3.000 MHz
SweepPoints	101	$\sim$ 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	Average Power	Average Power
SweepType	FFT	AUTO
Preamplifier	off	off

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

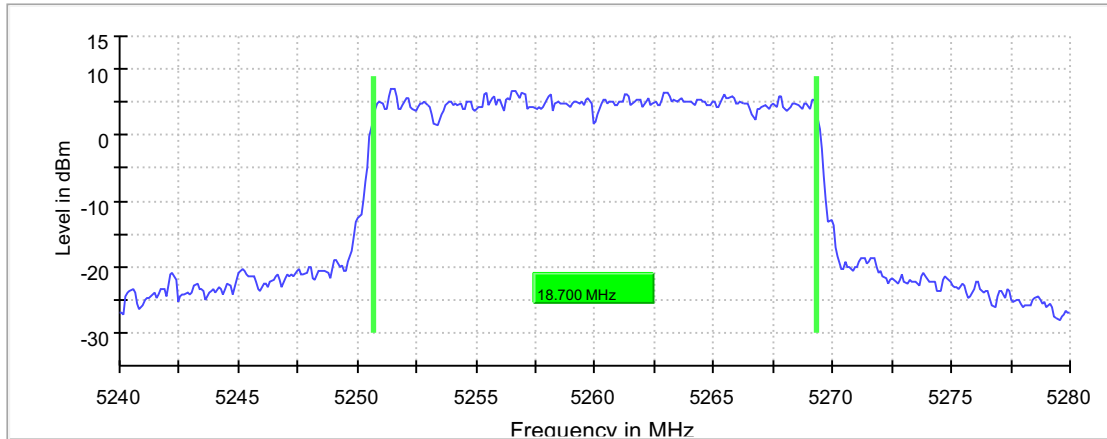
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5260.000000	18.700000	---	---	5250.650000	5269.350000

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

DUT Frequency (MHz)	Result
5260.000000	PASS

99 % Bandwidth



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

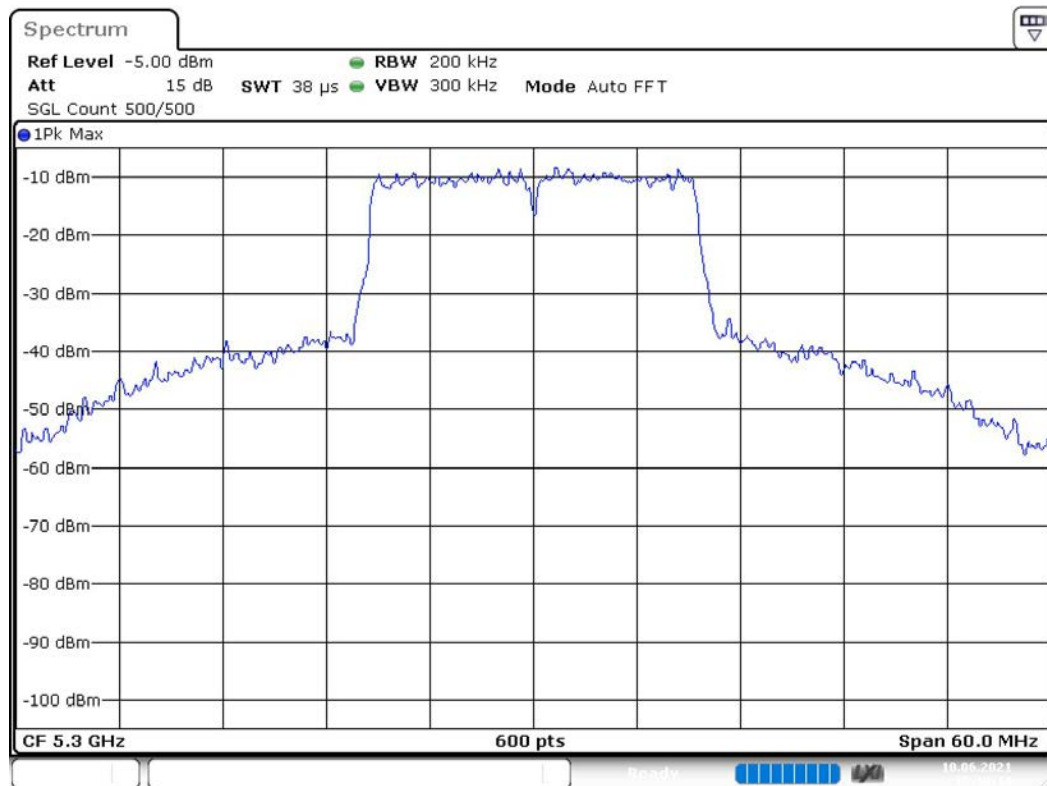
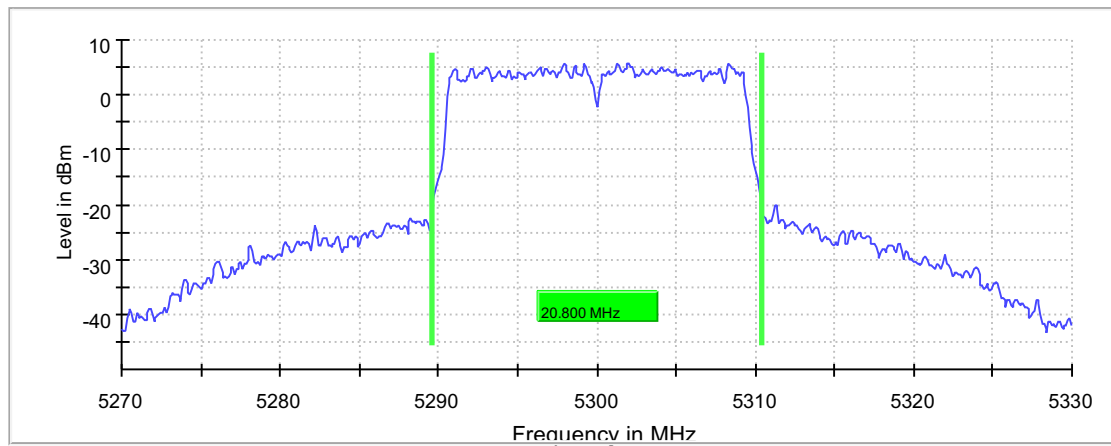
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	20.800000	---	---	5289.650000	5310.450000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5300.000000	5.8	PASS

26 dB Bandwidth



Date: 10.JUN.2021 15:18:14

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

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5300.000000	21.9	24.0	24.9	99.381	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 (5300 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5300.000000	5301.188119	7.007	11.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.29000 GHz	5.29000 GHz
Stop Frequency	5.31000 GHz	5.31000 GHz
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	$\leq$ 1.000 MHz
VBW	3.000 MHz	$\geq$ 3.000 MHz
SweepPoints	101	$\sim$ 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	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

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

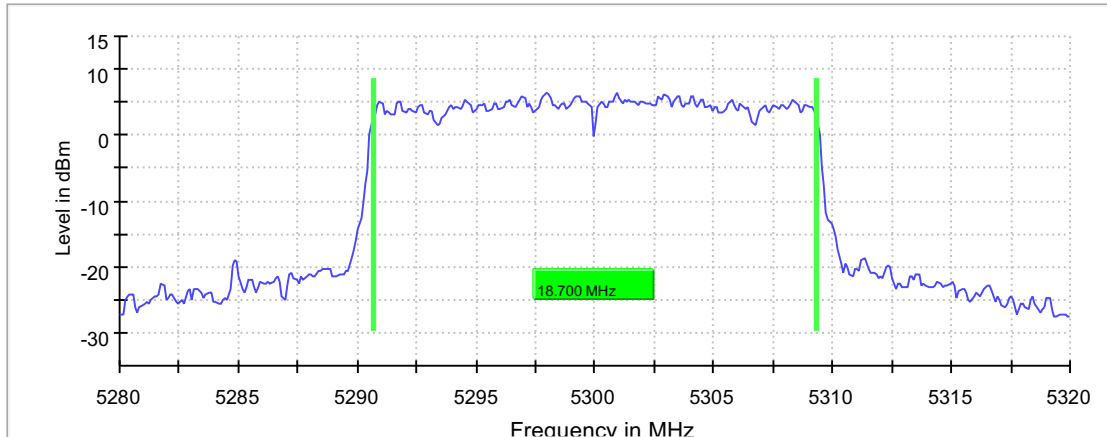
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	18.700000	---	---	5290.650000	5309.350000

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

DUT Frequency (MHz)	Result
5300.000000	PASS

99 % Bandwidth



Emission Bandwidth 26 dB (5335 MHz; 30.000 dBm; 20 MHz)

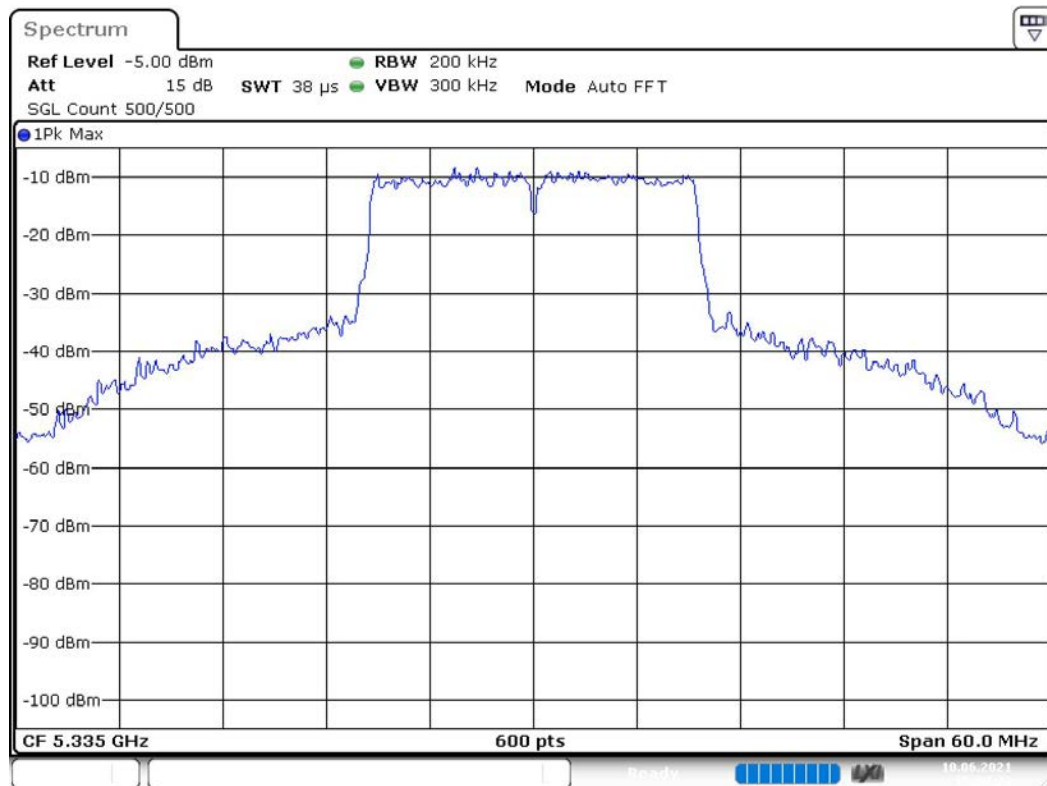
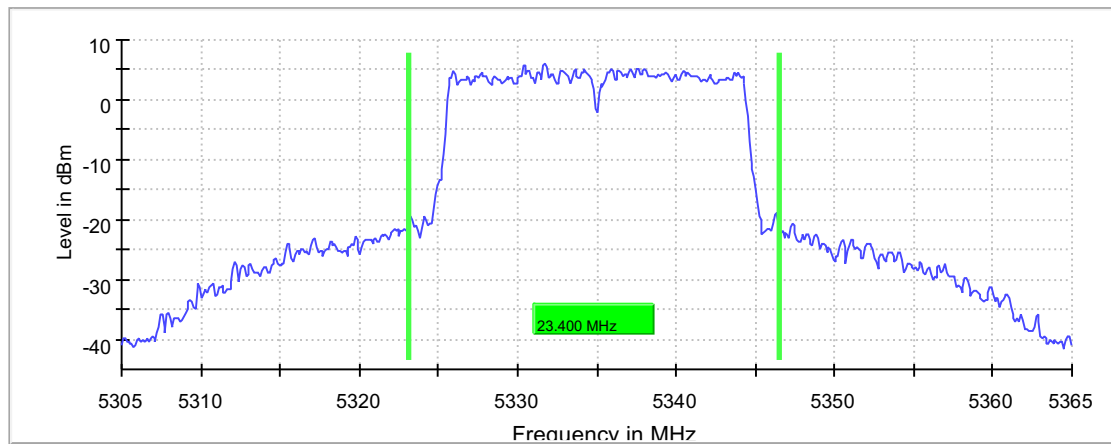
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5335.000000	23.400000	---	---	5323.150000	5346.550000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5335.000000	5.9	PASS

26 dB Bandwidth



Date: 10.JUN.2021 15:20:23

RF output power (5335 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5335.000000	21.9	24.0	24.9	99.382	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 (5335 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5335.000000	5330.643564	6.927	11.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.32500 GHz	5.32500 GHz
Stop Frequency	5.34500 GHz	5.34500 GHz
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	$\leq$ 1.000 MHz
VBW	3.000 MHz	$\geq$ 3.000 MHz
SweepPoints	101	$\sim$ 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	Average Power	Average Power
SweepType	FFT	AUTO
Preamplifier	off	off

Occupied Channel Bandwidth 99% (5335 MHz; 30.000 dBm; 20 MHz)

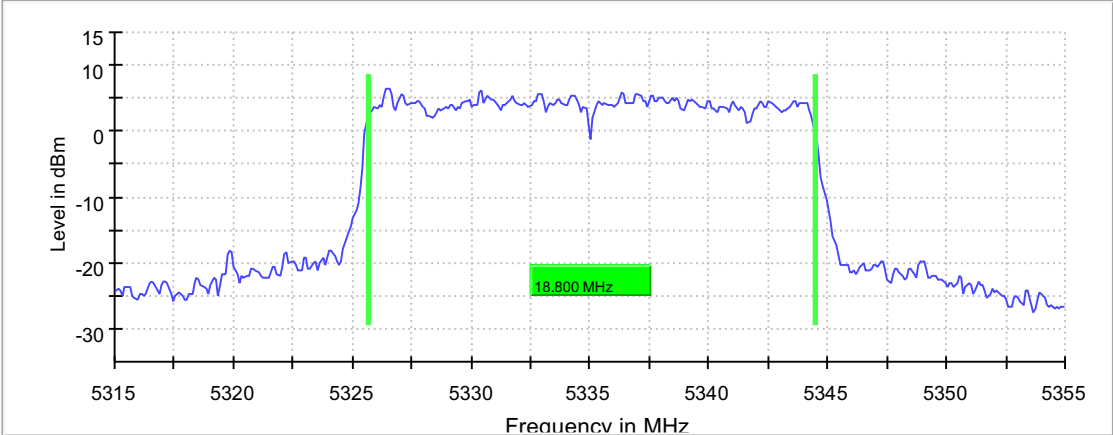
99 % Bandwidth

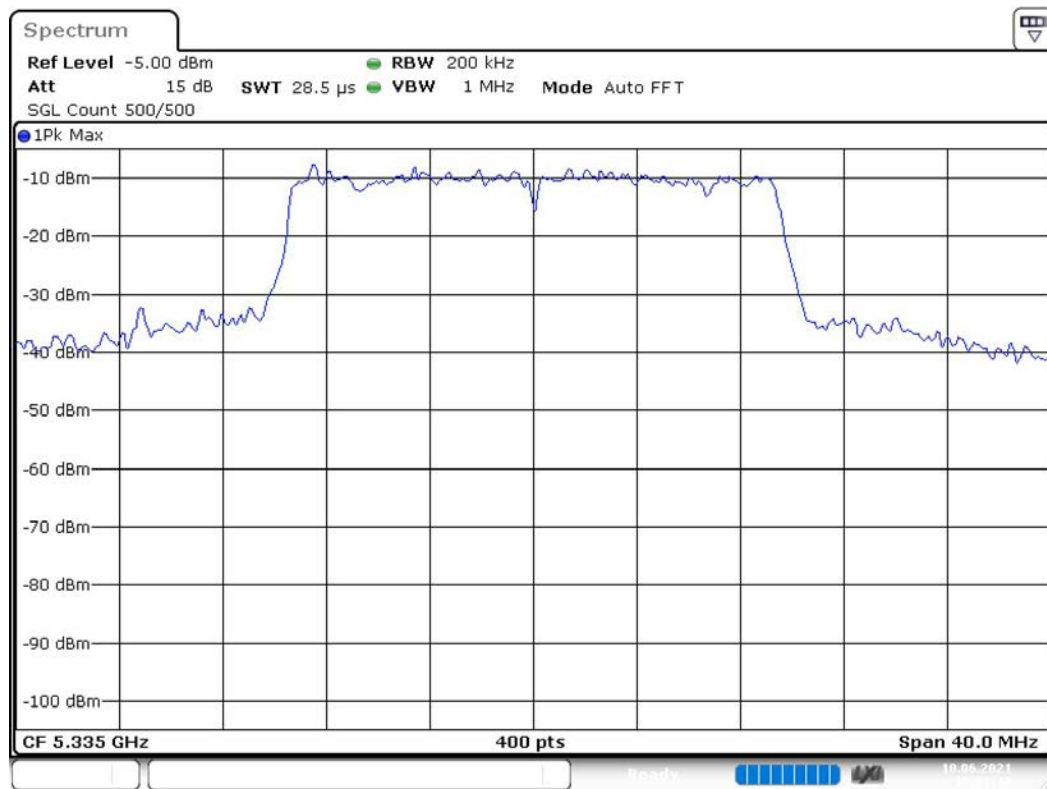
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5335.000000	18.800000	---	---	5325.650000	5344.450000

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

DUT Frequency (MHz)	Result
5335.000000	PASS

99 % Bandwidth





Date: 10.JUN.2021 15:21:14

Emission Bandwidth 26 dB (5270 MHz; 30.000 dBm; 30 MHz)

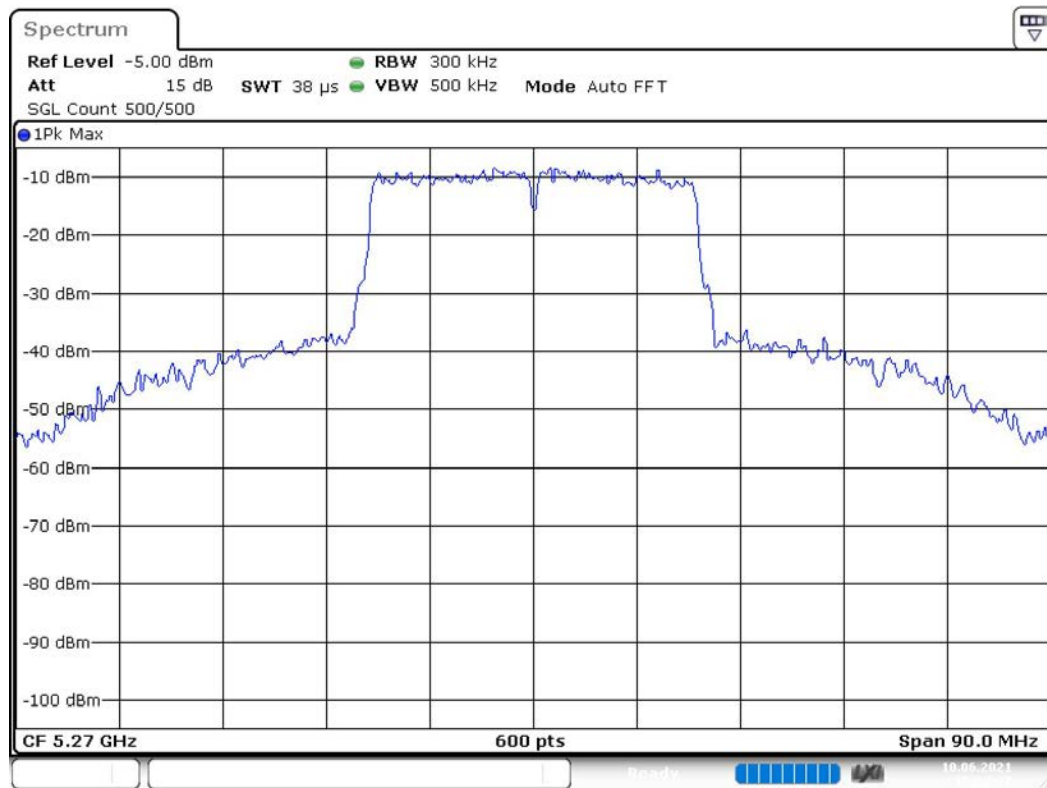
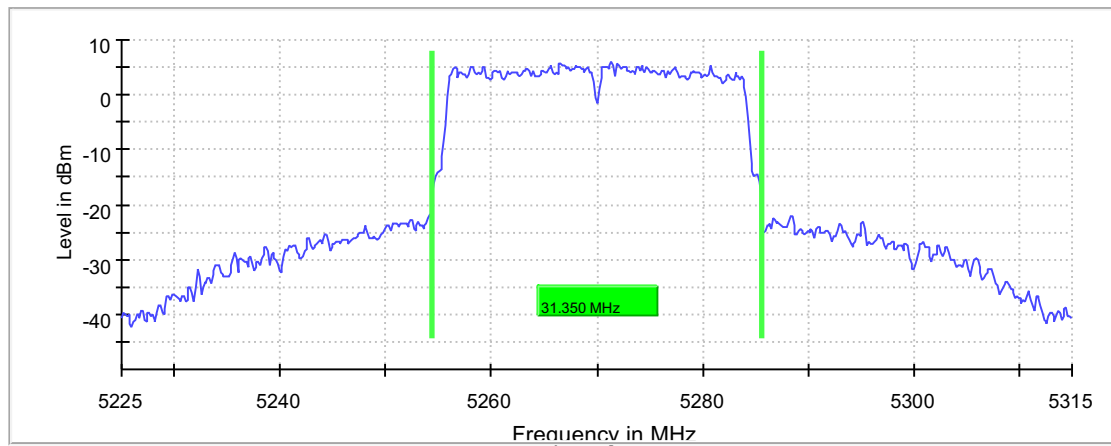
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5270.000000	31.350000	---	---	5254.325000	5285.675000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5270.000000	5.9	PASS

26 dB Bandwidth



Date: 10.JUN.2021 15:22:38

RF output power (5270 MHz; 30.000 dBm; 30 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5270.000000	21.8	24.0	24.8	99.600	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 (5270 MHz; 30.000 dBm; 30 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5270.000000	5272.079208	5.198	11.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25500 GHz	5.25500 GHz
Stop Frequency	5.28500 GHz	5.28500 GHz
Span	30.000 MHz	30.000 MHz
RBW	1.000 MHz	$\leq$ 1.000 MHz
VBW	3.000 MHz	$\geq$ 3.000 MHz
SweepPoints	101	$\sim$ 60
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	Average Power	Average Power
SweepType	Sweep	AUTO
Preamp	off	off

Occupied Channel Bandwidth 99% (5270 MHz; 30.000 dBm; 30 MHz)

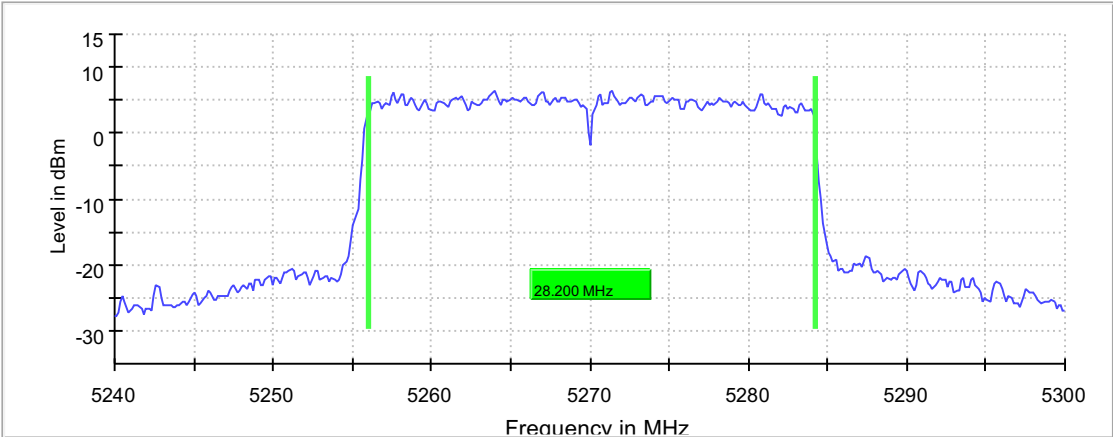
99 % Bandwidth

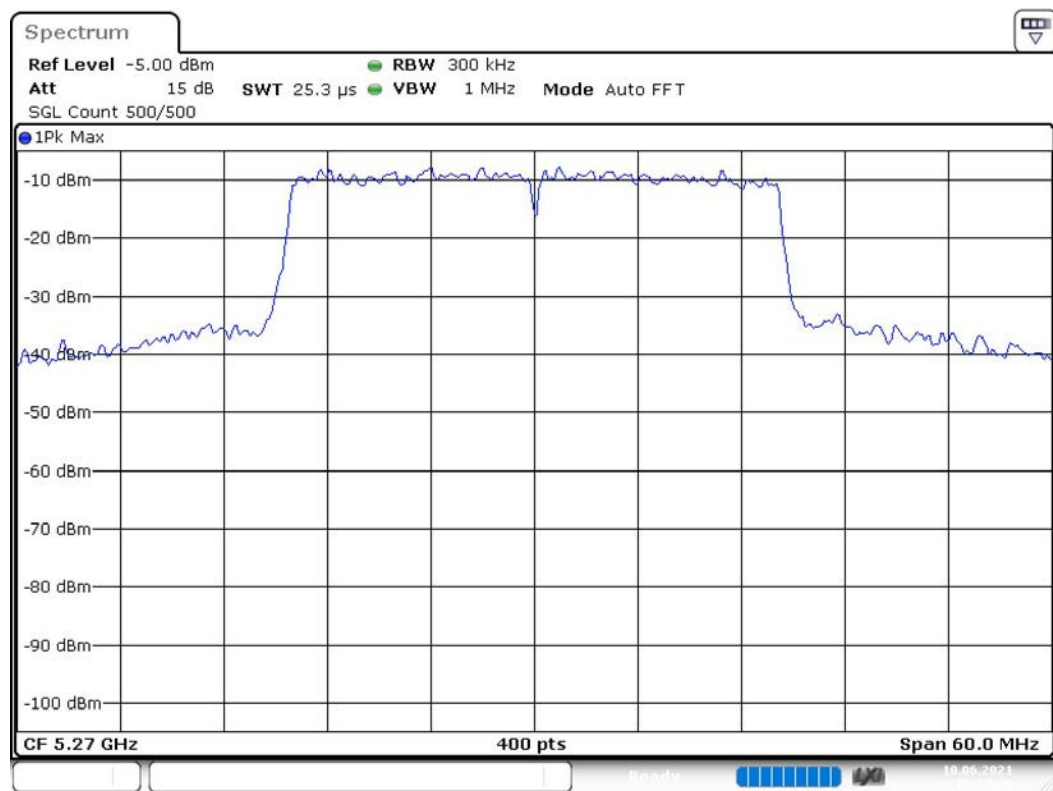
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5270.000000	28.200000	---	---	5255.975000	5284.175000

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

DUT Frequency (MHz)	Result
5270.000000	PASS

99 % Bandwidth





Date: 10.JUN.2021 15:23:28

Emission Bandwidth 26 dB (5300 MHz; 30.000 dBm; 30 MHz)

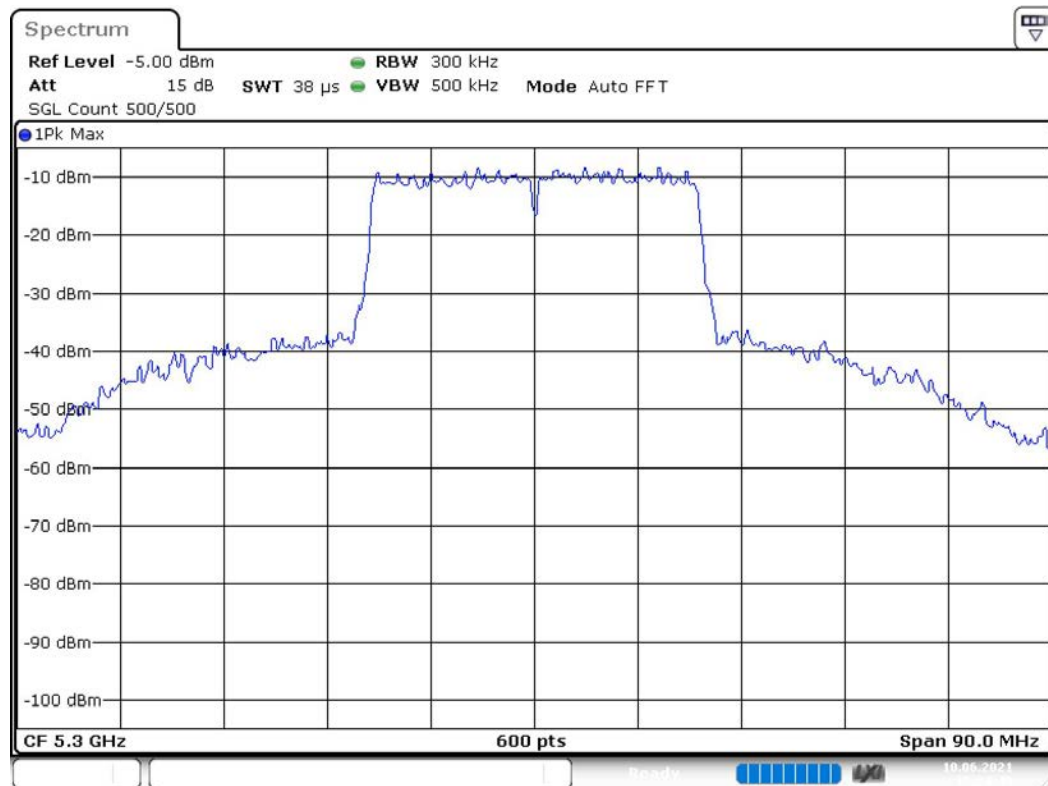
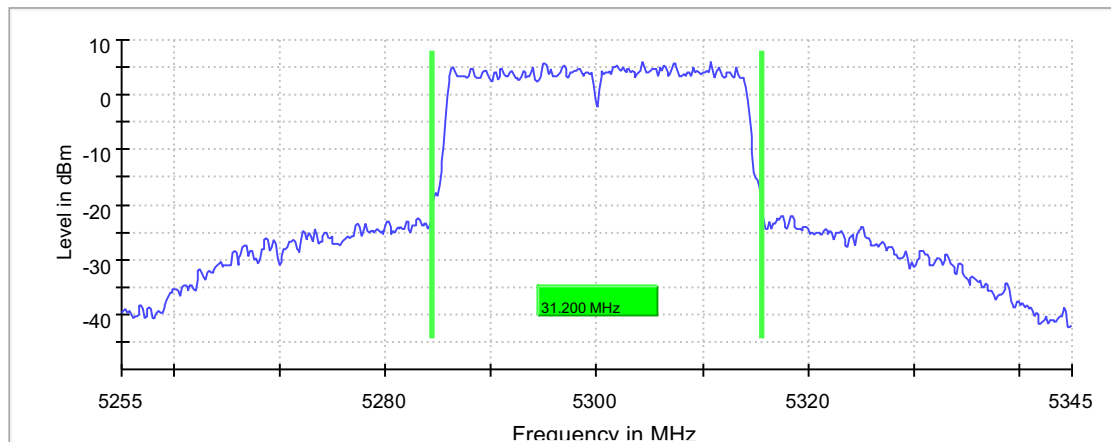
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	31.200000	---	---	5284.475000	5315.675000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5300.000000	5.9	PASS

26 dB Bandwidth



Date: 10.JUN.2021 15:24:50

RF output power (5300 MHz; 30.000 dBm; 30 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5300.000000	21.8	24.0	24.8	99.550	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 (5300 MHz; 30.000 dBm; 30 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5300.000000	5306.534653	4.951	11.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.28500 GHz	5.28500 GHz
Stop Frequency	5.31500 GHz	5.31500 GHz
Span	30.000 MHz	30.000 MHz
RBW	1.000 MHz	$\leq$ 1.000 MHz
VBW	3.000 MHz	$\geq$ 3.000 MHz
SweepPoints	101	$\sim$ 60
Sweptime	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	Average Power	Average Power
SweepType	Sweep	AUTO
Preamp	off	off

Occupied Channel Bandwidth 99% (5300 MHz; 30.000 dBm; 30 MHz)

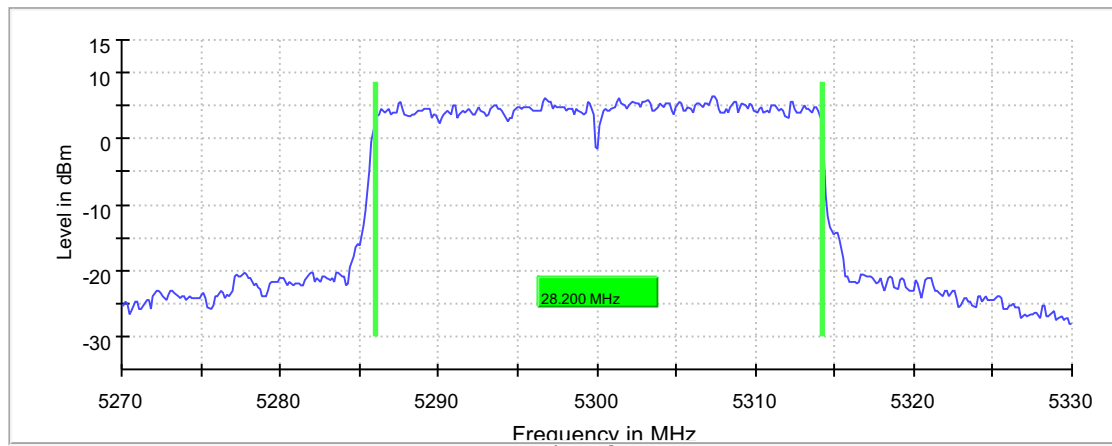
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	28.200000	---	---	5285.975000	5314.175000

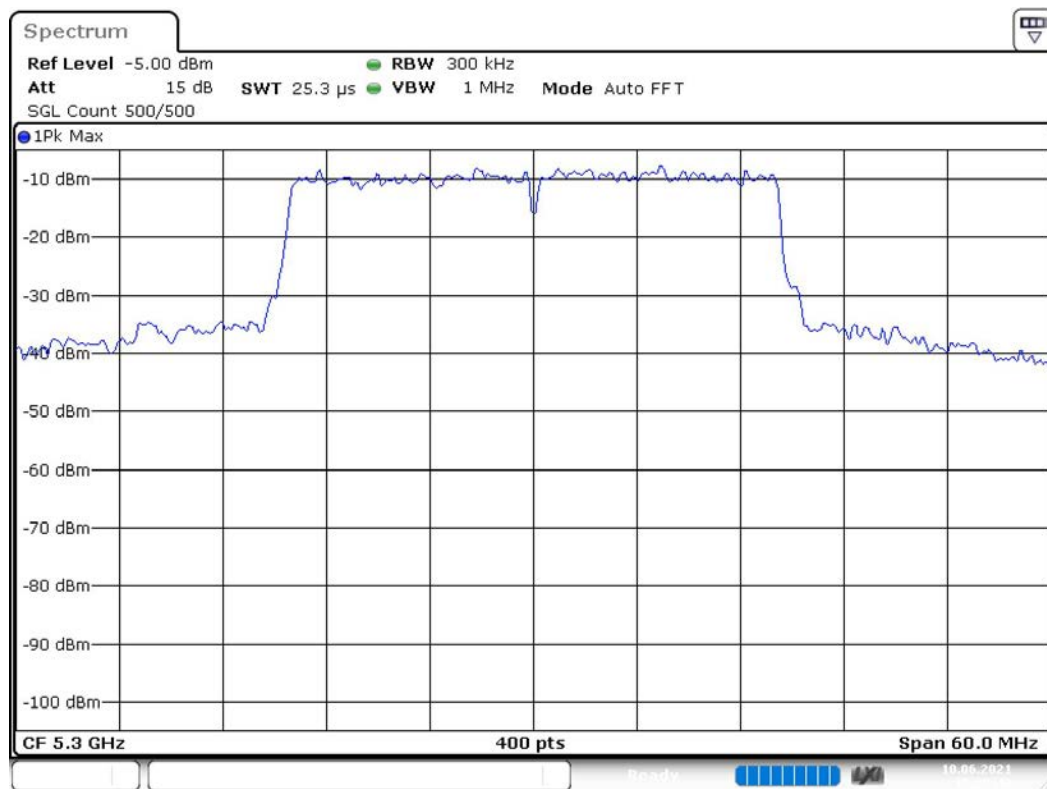
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5300.000000	PASS

99 % Bandwidth



Bandwidth



Date: 10.JUN.2021 15:25:40

Emission Bandwidth 26 dB (5330 MHz; 30.000 dBm; 30 MHz)

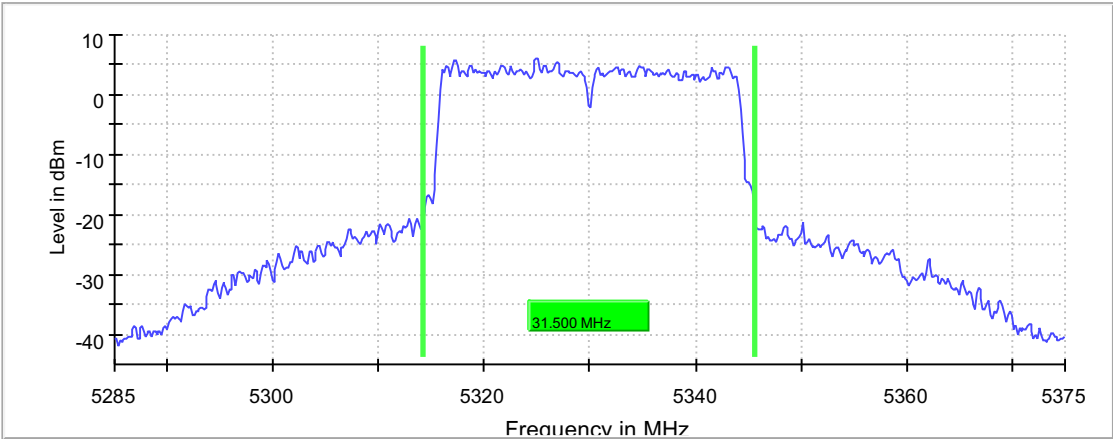
26 dB Bandwidth

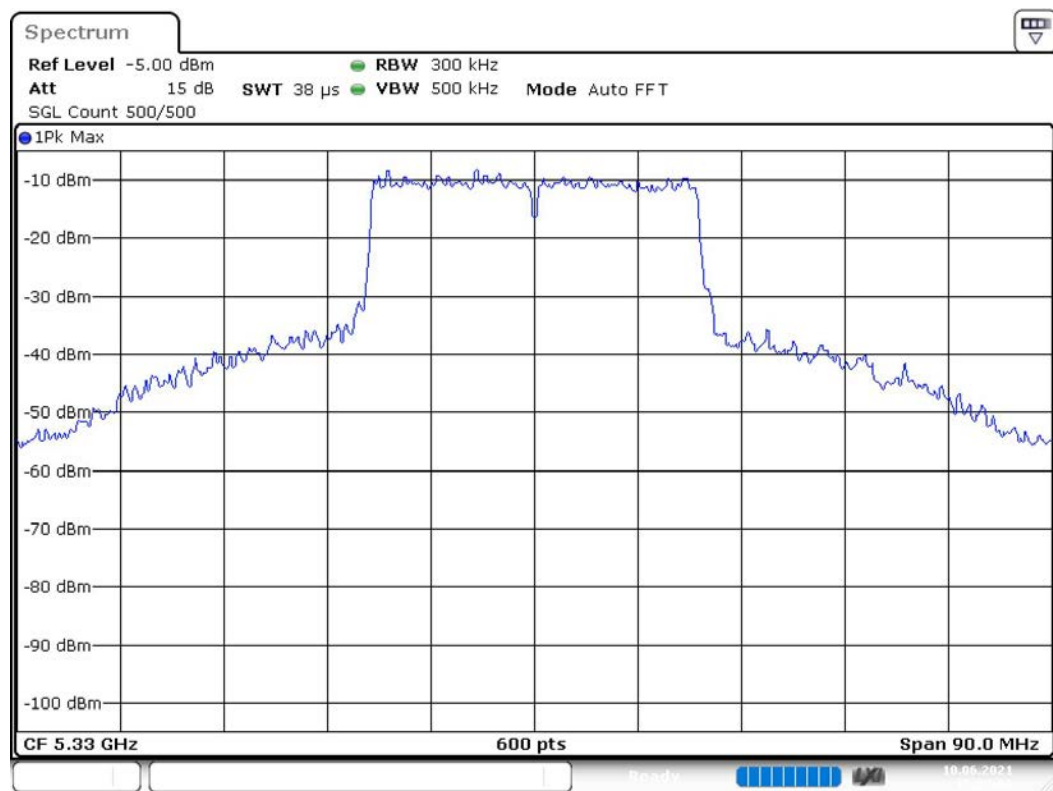
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5330.000000	31.500000	---	---	5314.175000	5345.675000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5330.000000	6.2	PASS

26 dB Bandwidth





Date: 10.JUN.2021 15:27:01

RF output power (5330 MHz; 30.000 dBm; 30 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5330.000000	21.8	24.0	24.8	99.550	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 (5330 MHz; 30.000 dBm; 30 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5330.000000	5323.465347	5.130	11.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.31500 GHz	5.31500 GHz
Stop Frequency	5.34500 GHz	5.34500 GHz
Span	30.000 MHz	30.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 60
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	Average Power	Average Power
SweepType	Sweep	AUTO
Preamp	off	off

Occupied Channel Bandwidth 99% (5330 MHz; 30.000 dBm; 30 MHz)

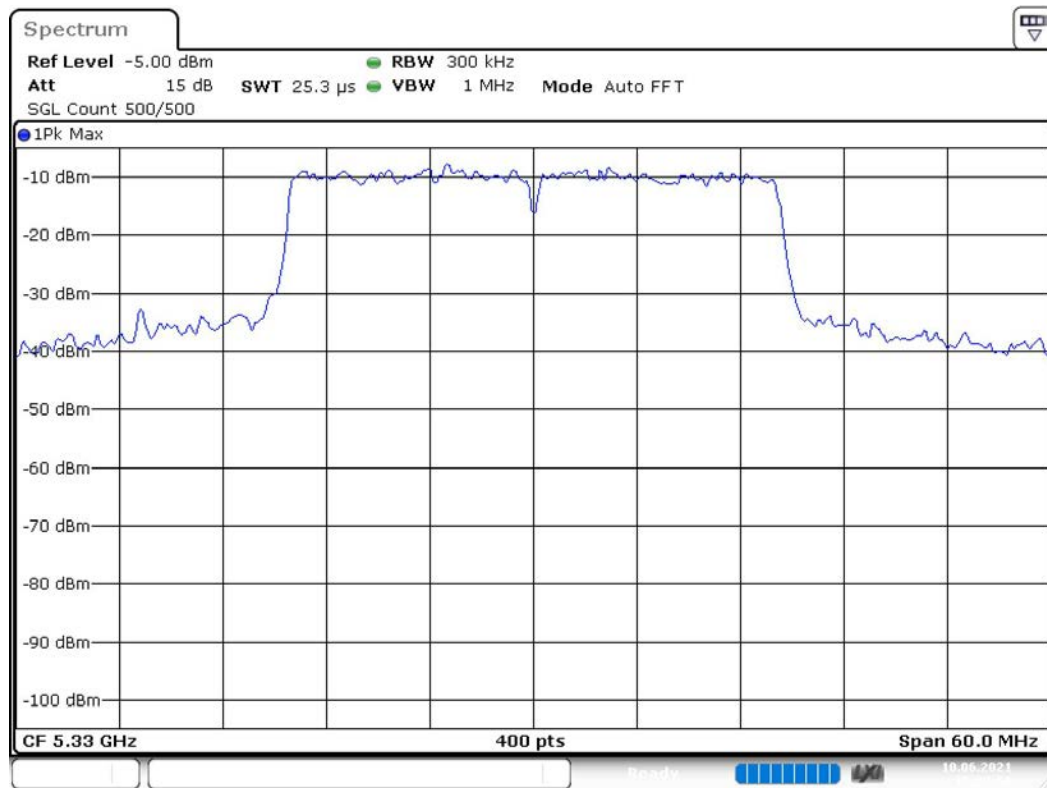
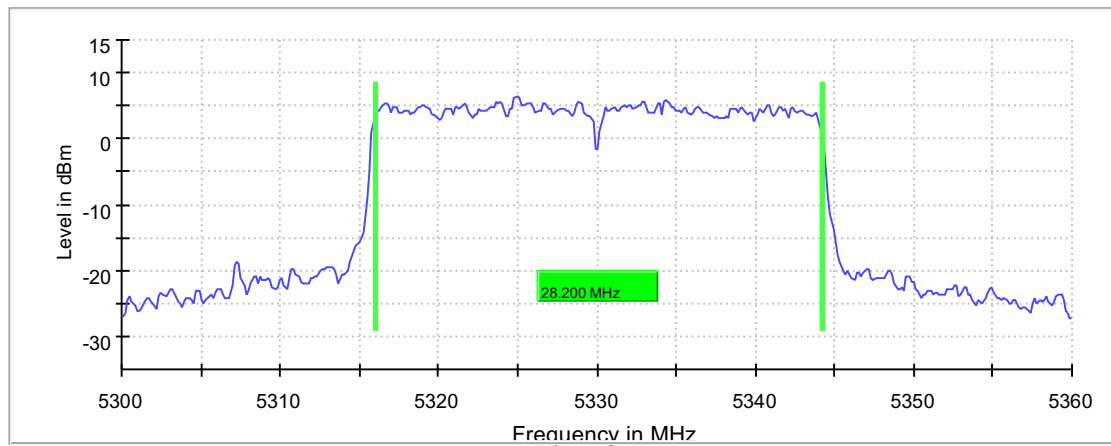
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5330.000000	28.200000	---	---	5315.975000	5344.175000

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

DUT Frequency (MHz)	Result
5330.000000	PASS

99 % Bandwidth



Date: 10.JUN.2021 15:27:50

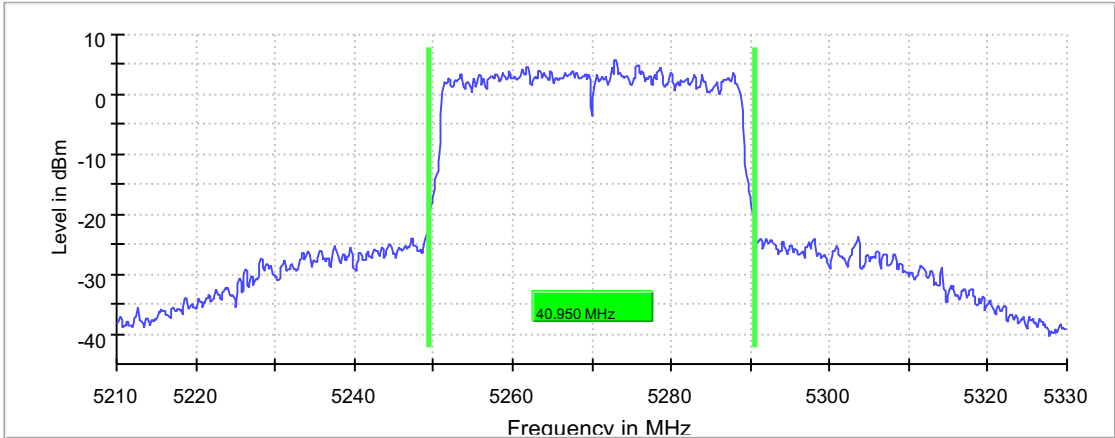
Emission Bandwidth 26 dB (5270 MHz; 30.000 dBm; 40 MHz)
26 dB Bandwidth

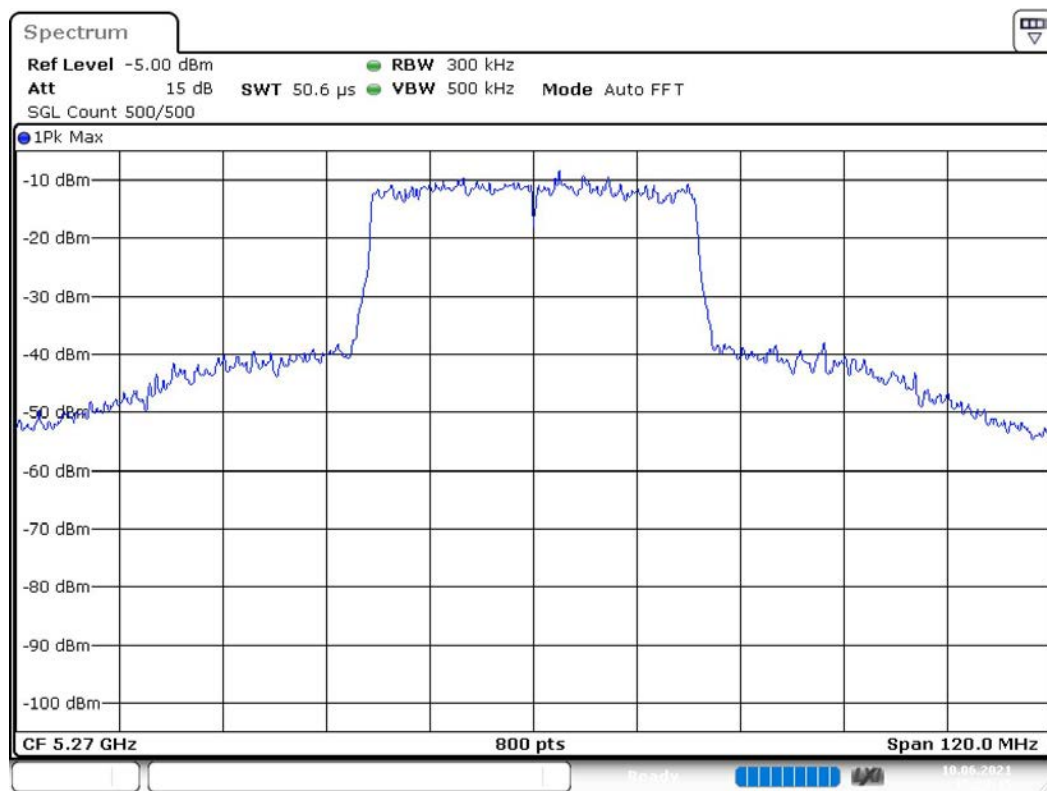
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5270.000000	40.950000	---	---	5249.525000	5290.475000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5270.000000	5.8	PASS

26 dB Bandwidth





Date: 10.JUN.2021 15:29:16

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

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5270.000000	21.6	24.0	24.6	99.455	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 (5270 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5270.000000	5271.584158	3.858	11.0	PASS

Ports

Port	State
------	-------

1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.29000 GHz	5.29000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
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	Average Power	Average Power
SweepType	Sweep	AUTO
Preamp	off	off

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

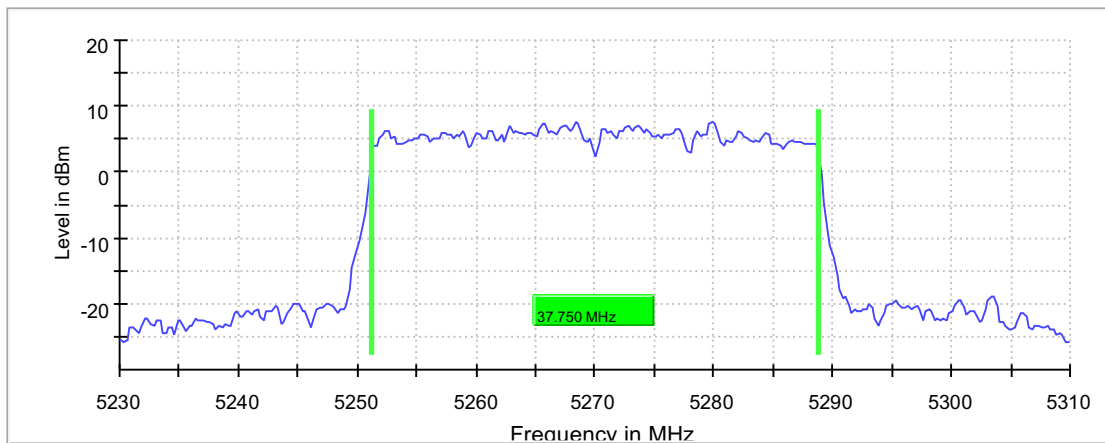
99 % Bandwidth

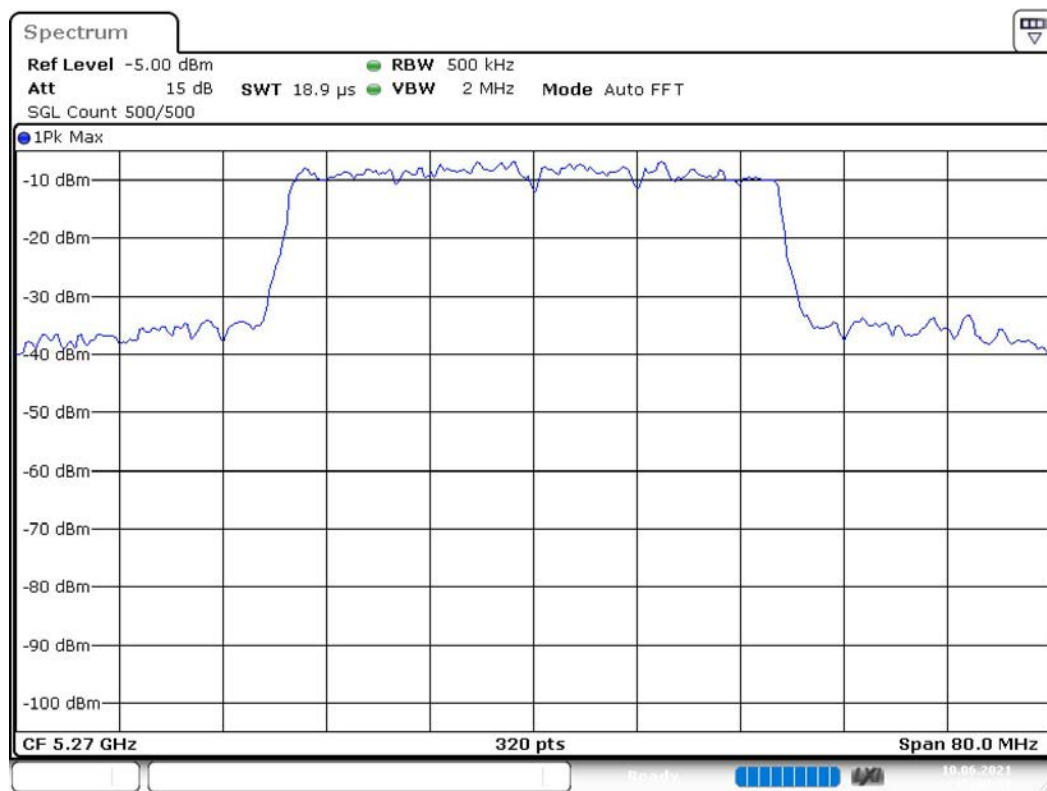
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5270.000000	37.750000	---	---	5251.125000	5288.875000

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

DUT Frequency (MHz)	Result
5270.000000	PASS

99 % Bandwidth





Date: 10.JUN.2021 15:30:08

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

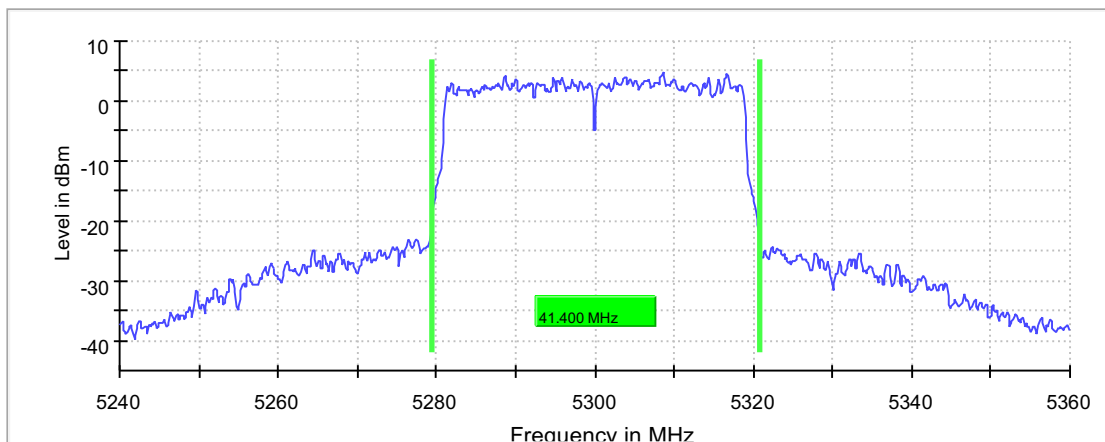
26 dB Bandwidth

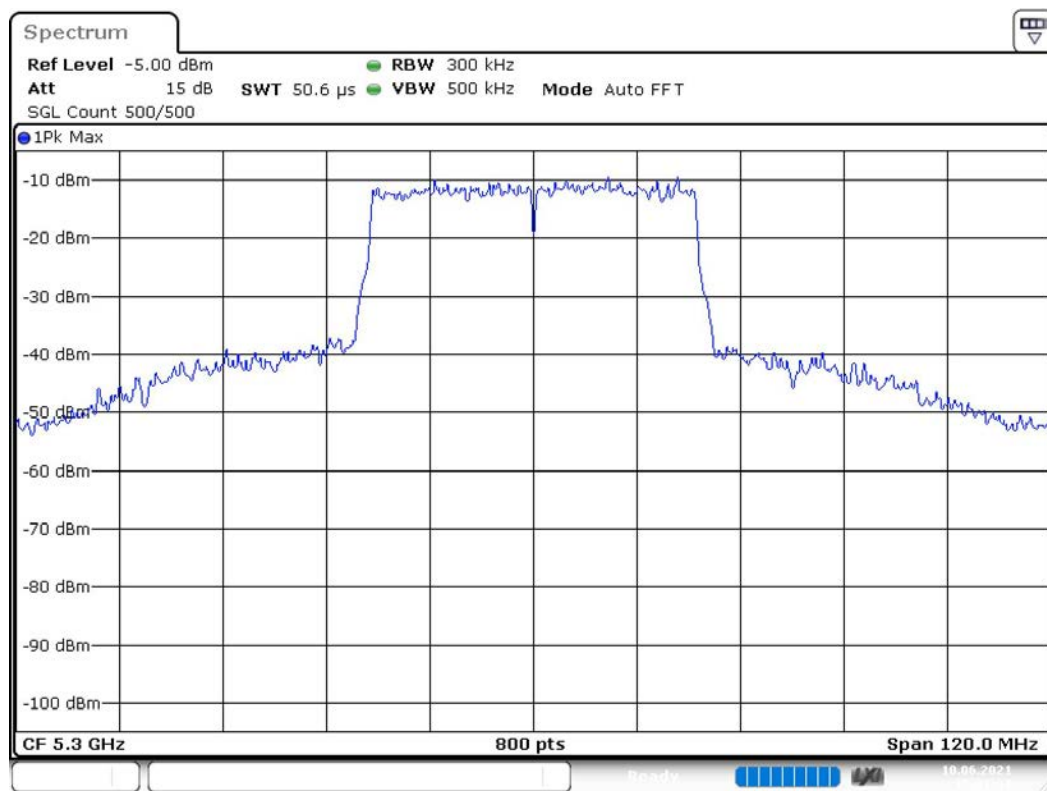
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	41.400000	---	---	5279.375000	5320.775000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5300.000000	4.8	PASS

26 dB Bandwidth





Date: 10 JUN 2021 15:31:31

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

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5300.000000	21.7	24.0	24.7	99.455	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 (5300 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5300.000000	5308.316832	4.037	11.0	PASS

Ports

Port	State
1	used

2	used
---	------

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.28000 GHz	5.28000 GHz
Stop Frequency	5.32000 GHz	5.32000 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
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	Average Power	Average Power
SweepType	Sweep	AUTO
Preamplifier	off	off

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

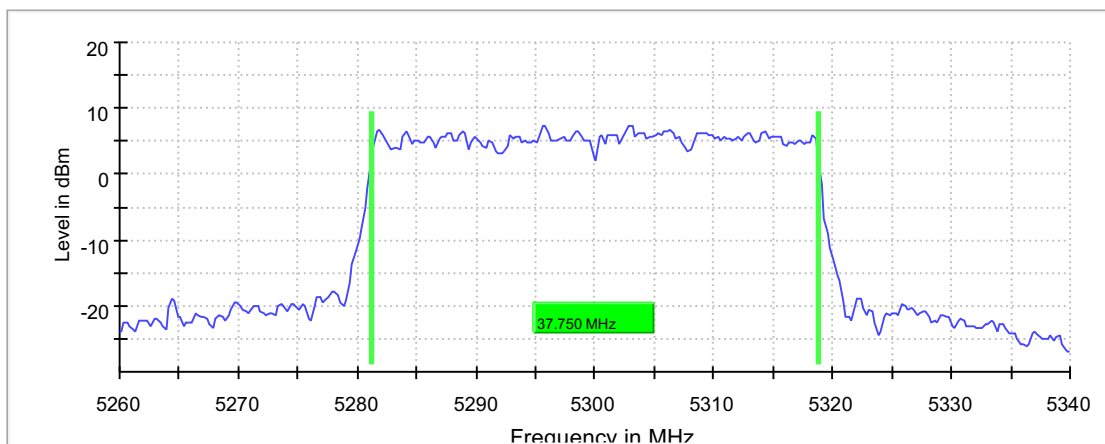
99 % Bandwidth

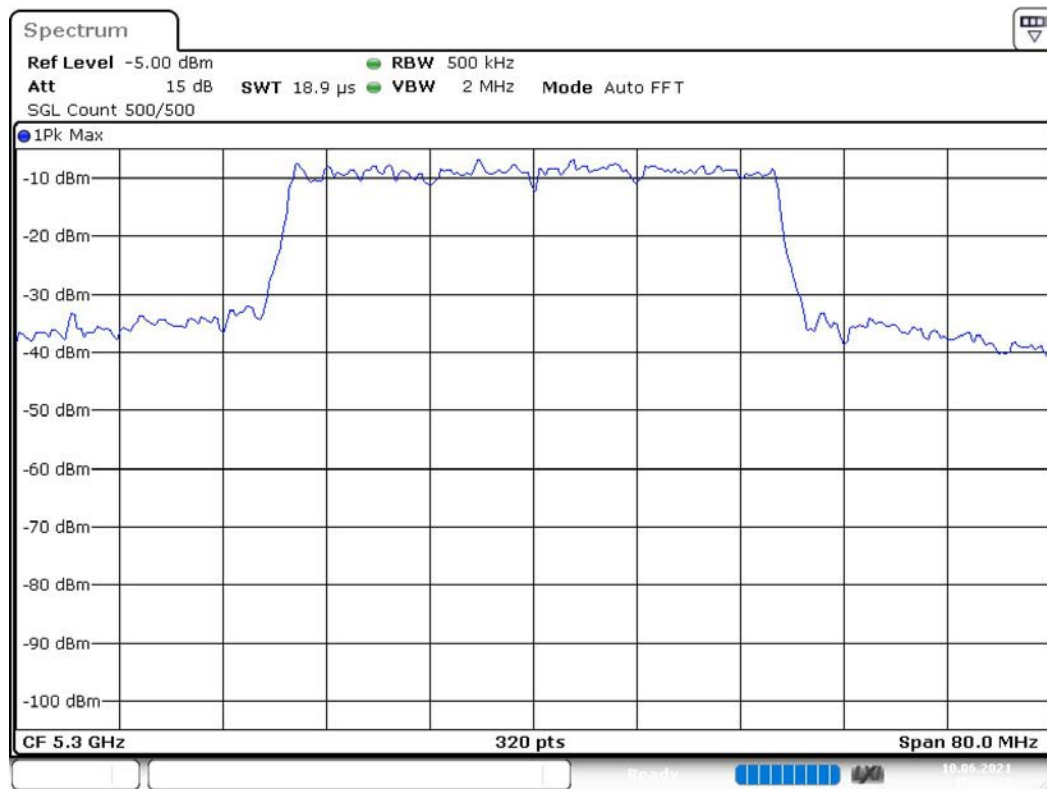
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	37.750000	---	---	5281.125000	5318.875000

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

DUT Frequency (MHz)	Result
5300.000000	PASS

99 % Bandwidth





Date: 10.JUN.2021 15:32:22

Emission Bandwidth 26 dB (5325 MHz; 30.000 dBm; 40 MHz)

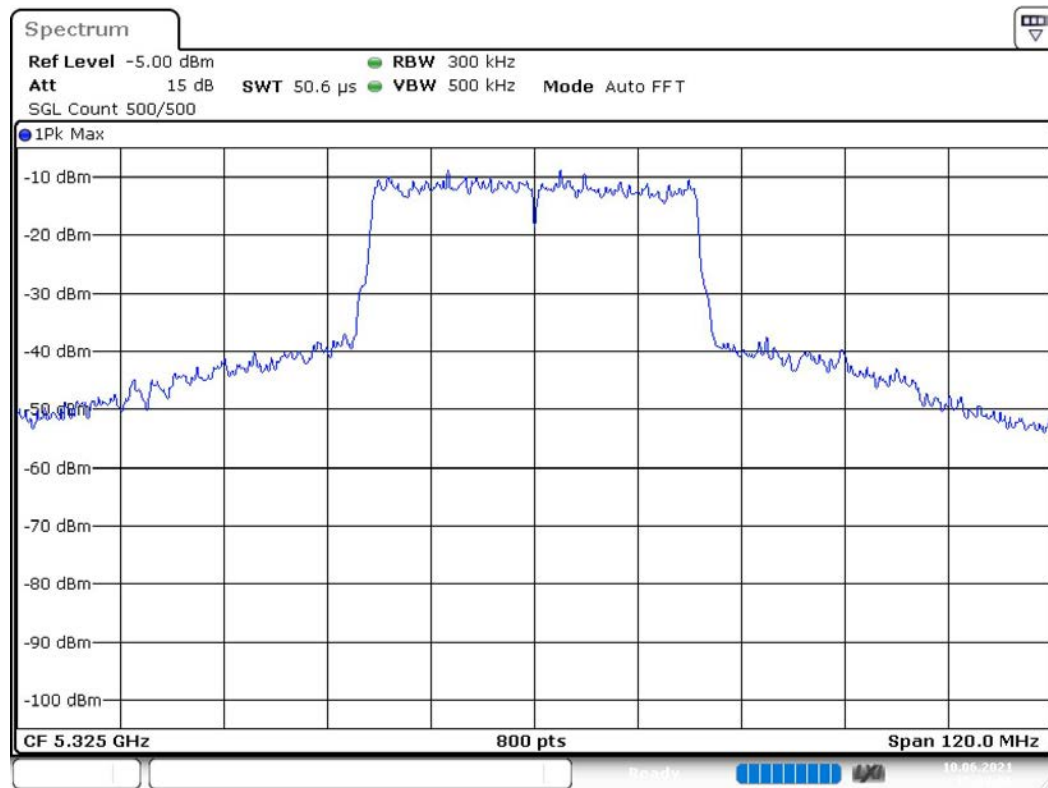
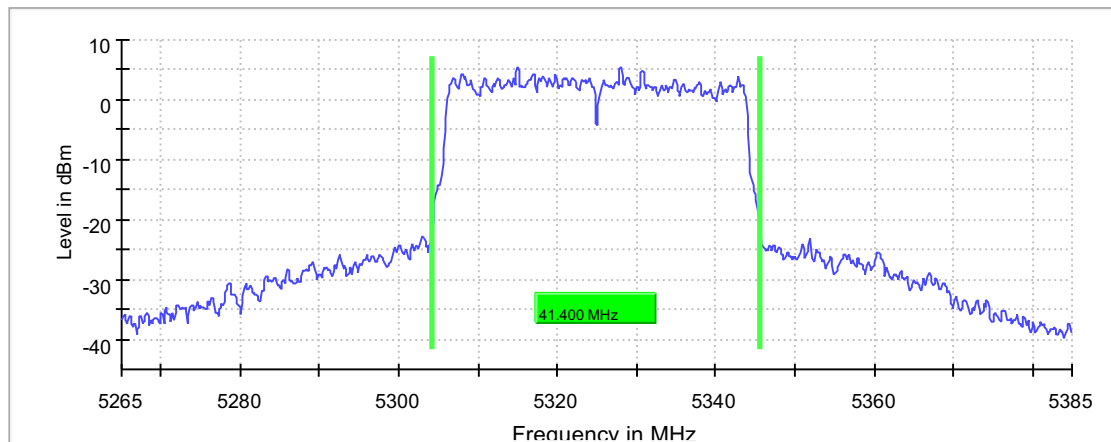
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5325.000000	41.400000	---	---	5304.225000	5345.625000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5325.000000	5.4	PASS

26 dB Bandwidth



Date: 10.JUN.2021 15:33:57

RF output power (5325 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5325.000000	21.8	24.0	24.8	99.456	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 (5325 MHz; 30.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5325.000000	5317.871287	4.373	11.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.30500 GHz	5.30500 GHz
Stop Frequency	5.34500 GHz	5.34500 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
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	Average Power	Average Power
SweepType	Sweep	AUTO
Preamplifier	off	off

Occupied Channel Bandwidth 99% (5325 MHz; 30.000 dBm; 40 MHz)

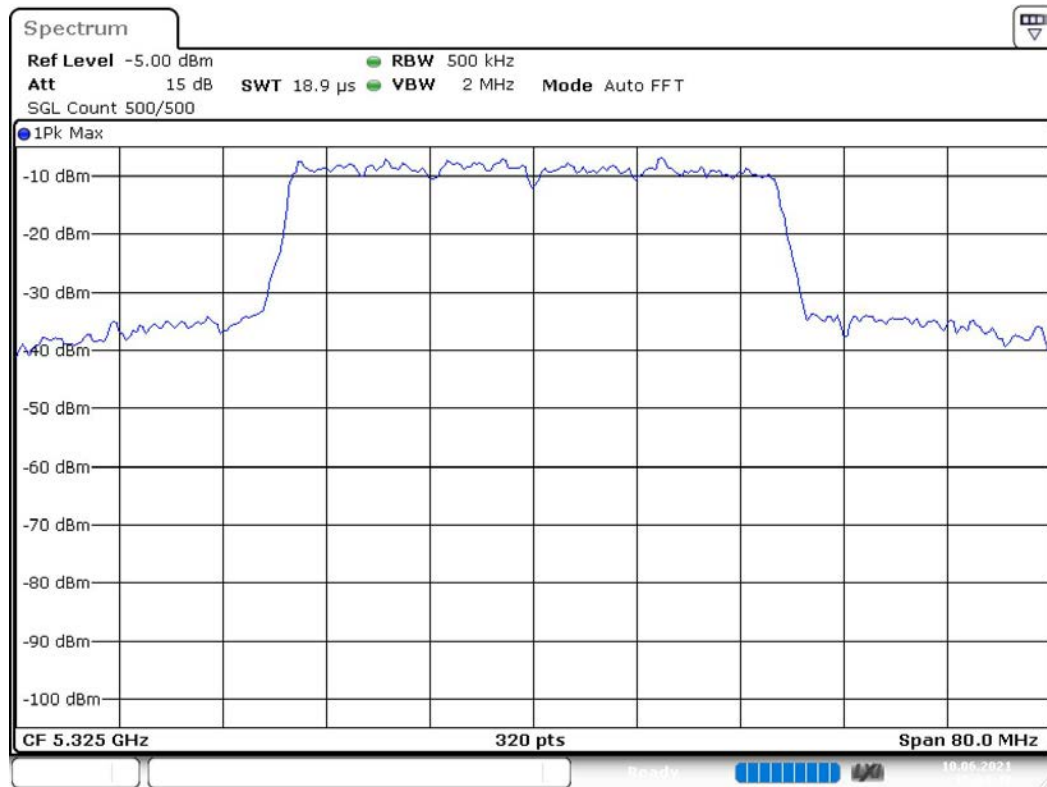
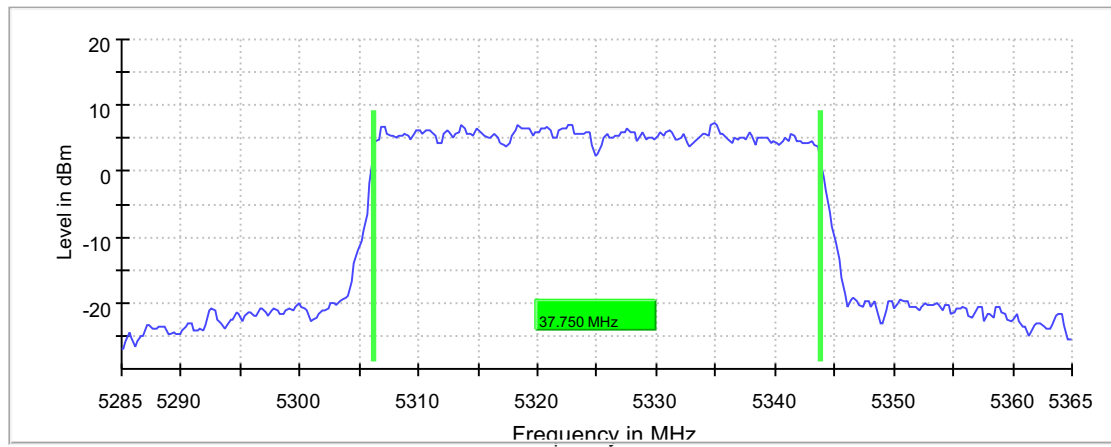
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5325.000000	37.750000	---	---	5306.125000	5343.875000

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

DUT Frequency (MHz)	Result
5325.000000	PASS

99 % Bandwidth



Emission Bandwidth 26 dB (5275 MHz; 30.000 dBm; 50 MHz)

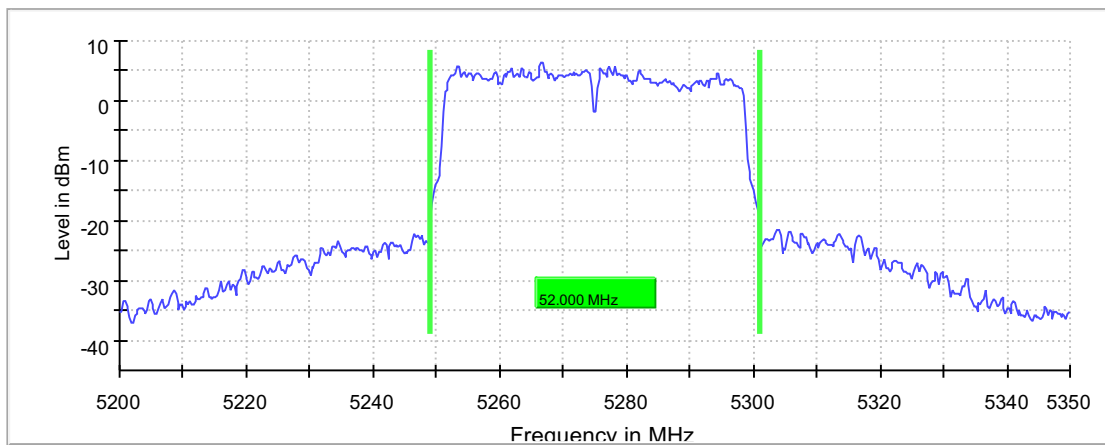
26 dB Bandwidth

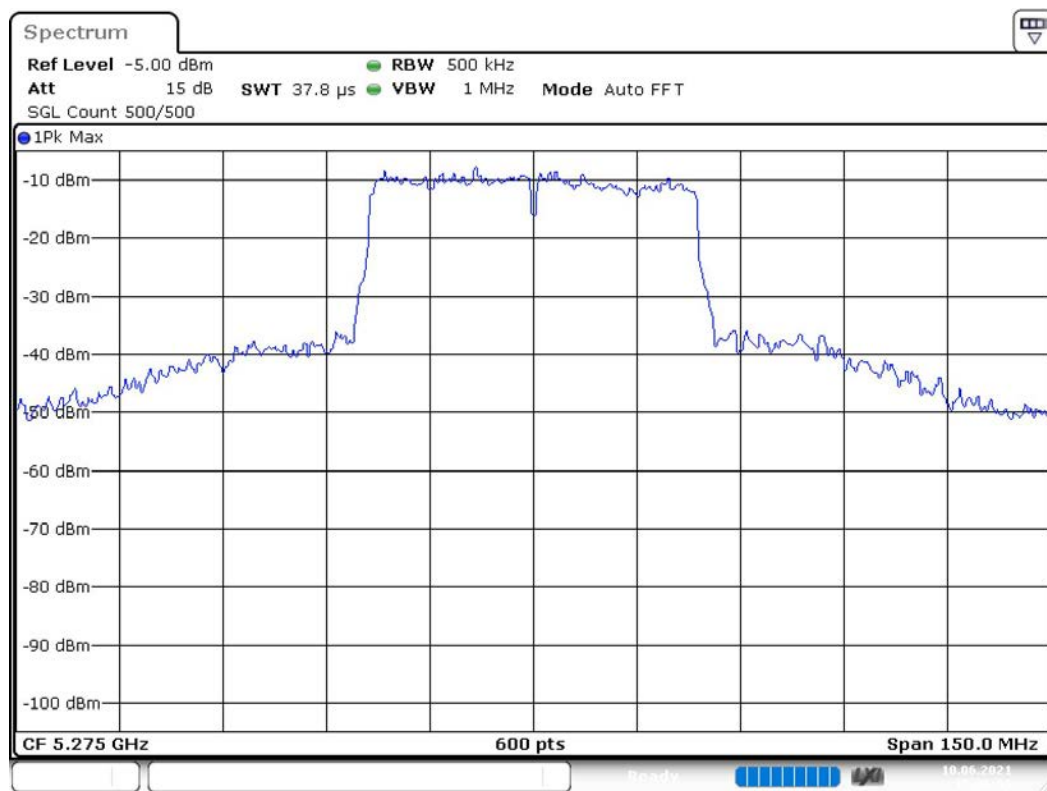
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5275.000000	52.000000	---	---	5249.125000	5301.125000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5275.000000	6.4	PASS

26 dB Bandwidth





Date: 10.JUN.2021 15:36:09

RF output power (5275 MHz; 30.000 dBm; 50 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5275.000000	21.5	24.0	24.5	99.674	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 (5275 MHz; 30.000 dBm; 50 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5275.000000	5273.019802	3.139	11.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.30000 GHz	5.30000 GHz
Span	50.000 MHz	50.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 100
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	Average Power	Average Power
SweepType	Sweep	AUTO
Preamp	off	off

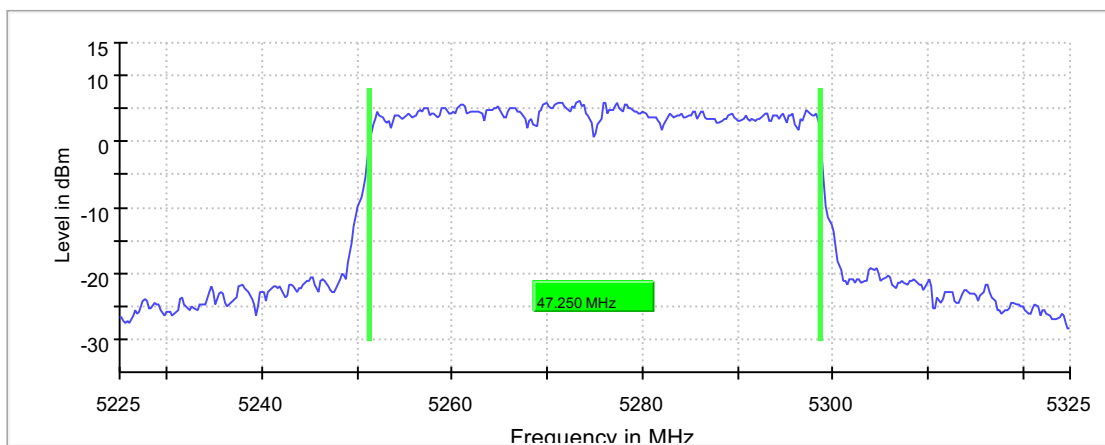
Occupied Channel Bandwidth 99% (5275 MHz; 30.000 dBm; 50 MHz) 99 % Bandwidth

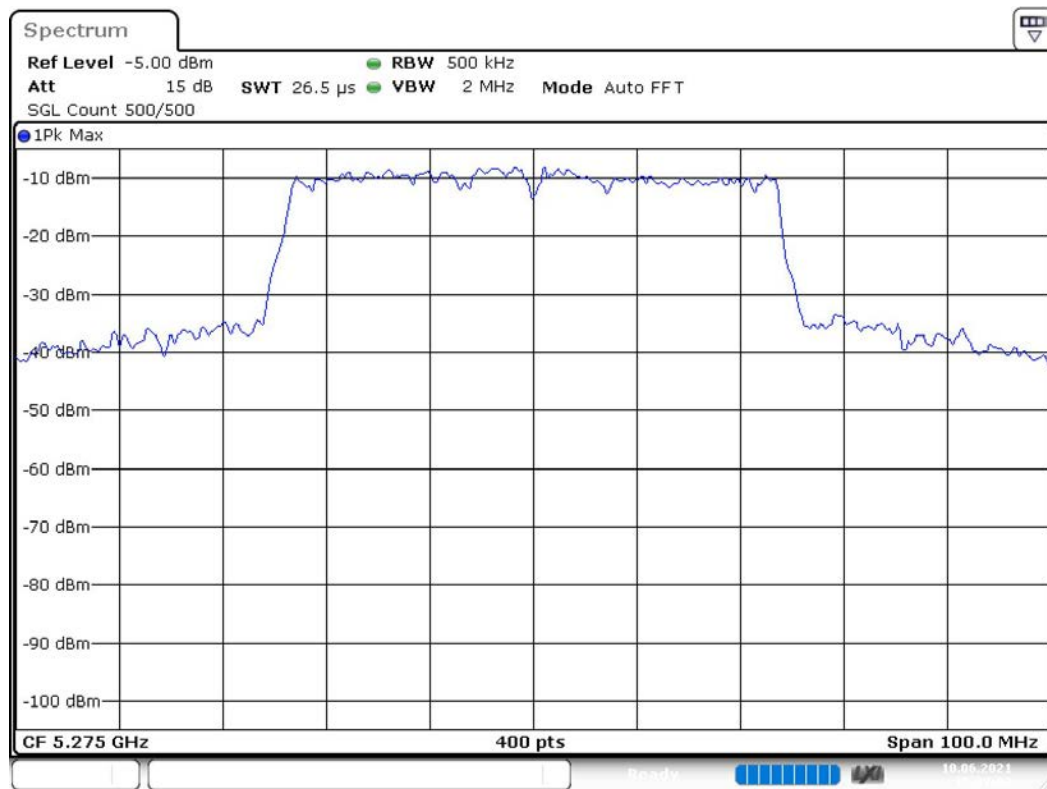
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5275.000000	47.250000	---	---	5251.375000	5298.625000

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

DUT Frequency (MHz)	Result
5275.000000	PASS

99 % Bandwidth





Date: 10.JUN.2021 15:37:02

Emission Bandwidth 26 dB (5300 MHz; 30.000 dBm; 50 MHz)

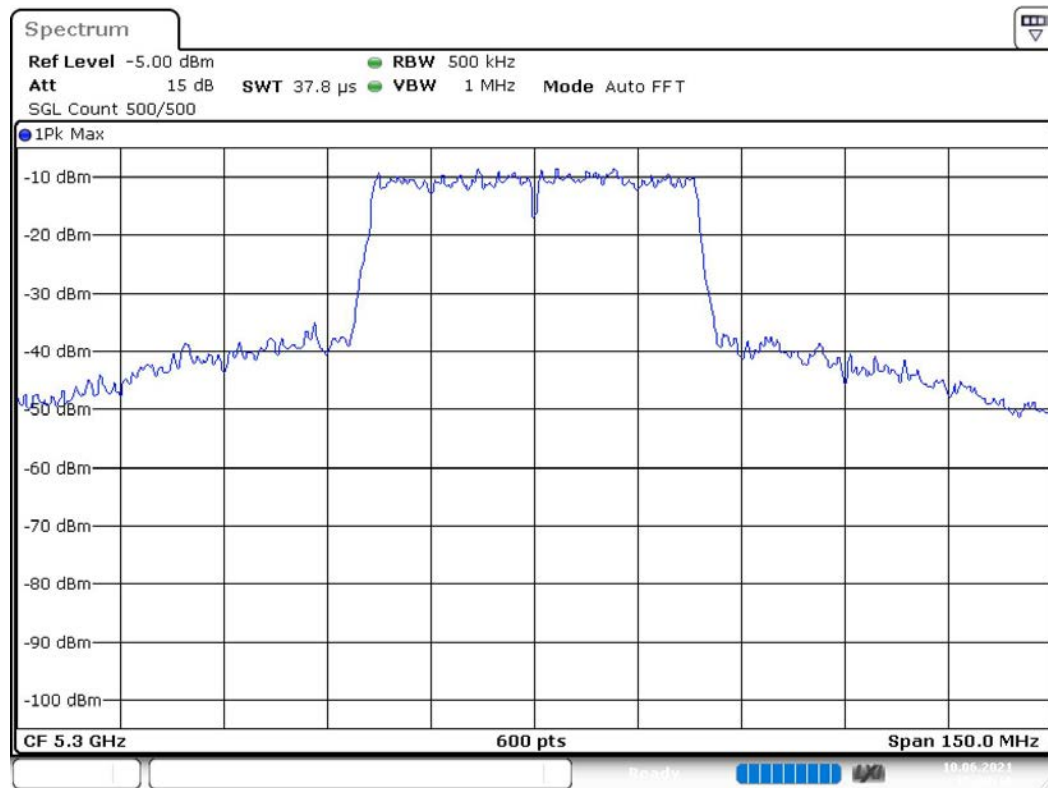
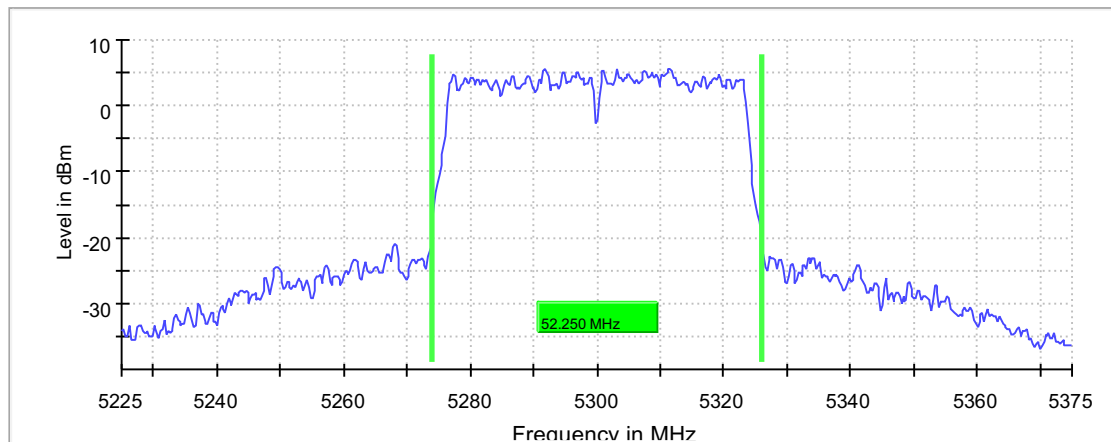
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	52.250000	---	---	5273.875000	5326.125000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5300.000000	5.7	PASS

26 dB Bandwidth



Date: 10.JUN.2021 15:38:20

RF output power (5300 MHz; 30.000 dBm; 50 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5300.000000	21.6	24.0	24.6	99.671	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 (5300 MHz; 30.000 dBm; 50 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5300.000000	5312.376238	3.117	11.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.27500 GHz	5.27500 GHz
Stop Frequency	5.32500 GHz	5.32500 GHz
Span	50.000 MHz	50.000 MHz
RBW	1.000 MHz	$\leq$ 1.000 MHz
VBW	3.000 MHz	$\geq$ 3.000 MHz
SweepPoints	101	$\sim$ 100
Sweptime	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	Average Power	Average Power
SweepType	Sweep	AUTO
Preamplifier	off	off

Occupied Channel Bandwidth 99% (5300 MHz; 30.000 dBm; 50 MHz)

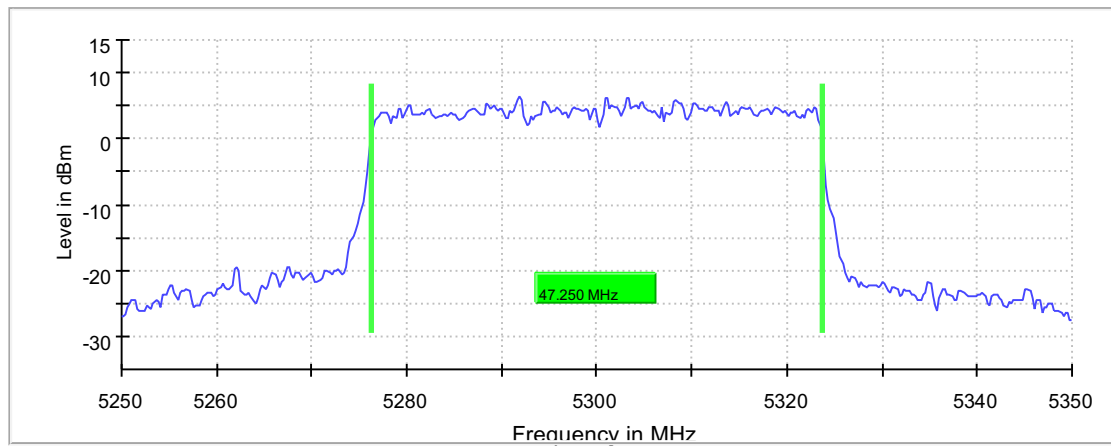
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5300.000000	47.250000	---	---	5276.375000	5323.625000

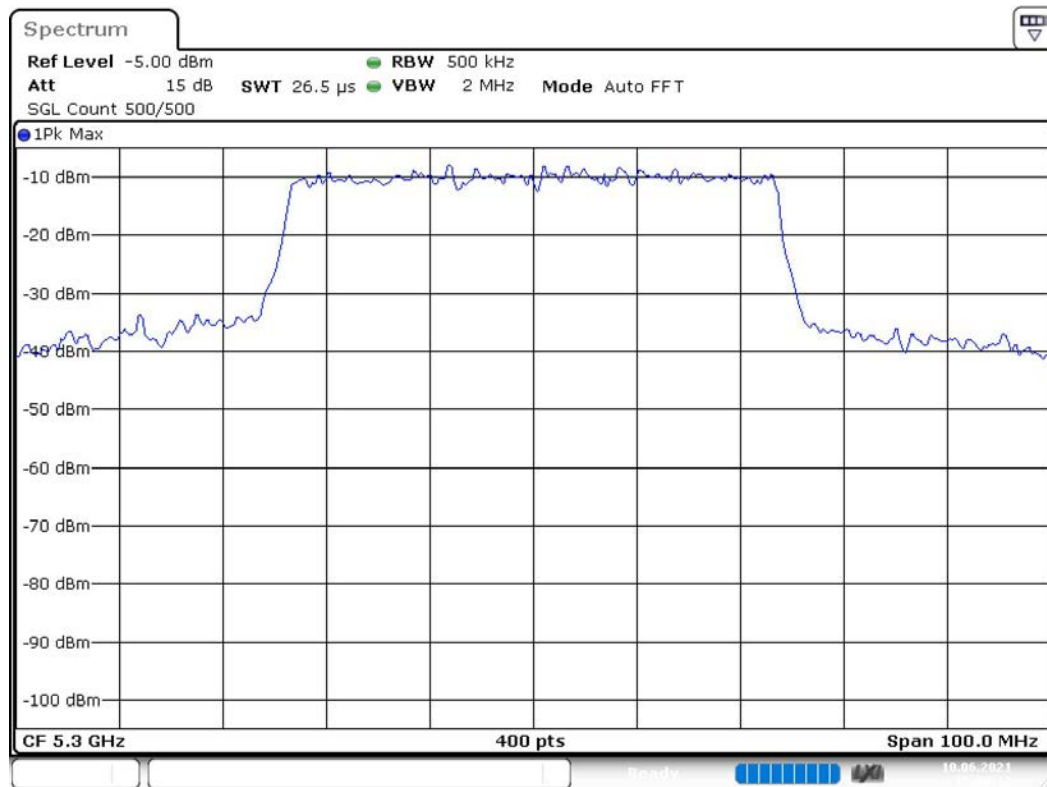
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5300.000000	PASS

99 % Bandwidth



Bandwidth



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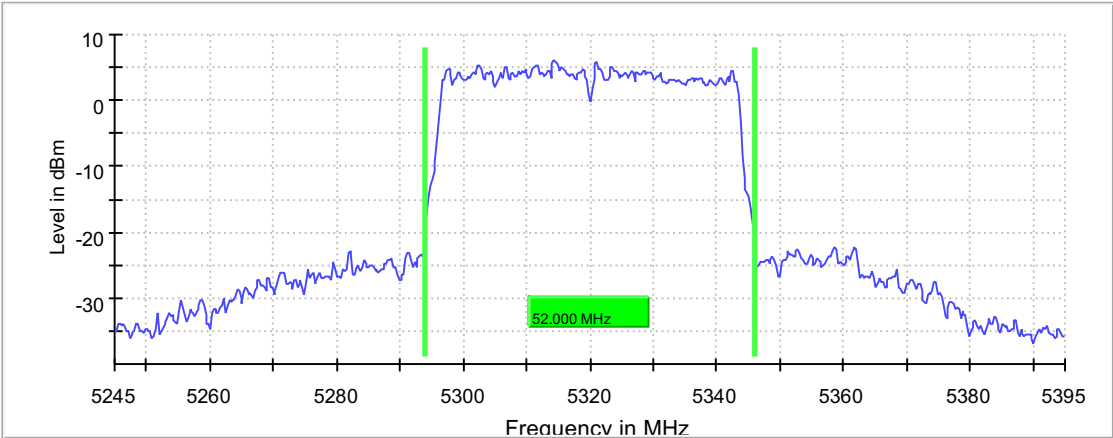
Emission Bandwidth 26 dB (5320 MHz; 30.000 dBm; 50 MHz)
26 dB Bandwidth

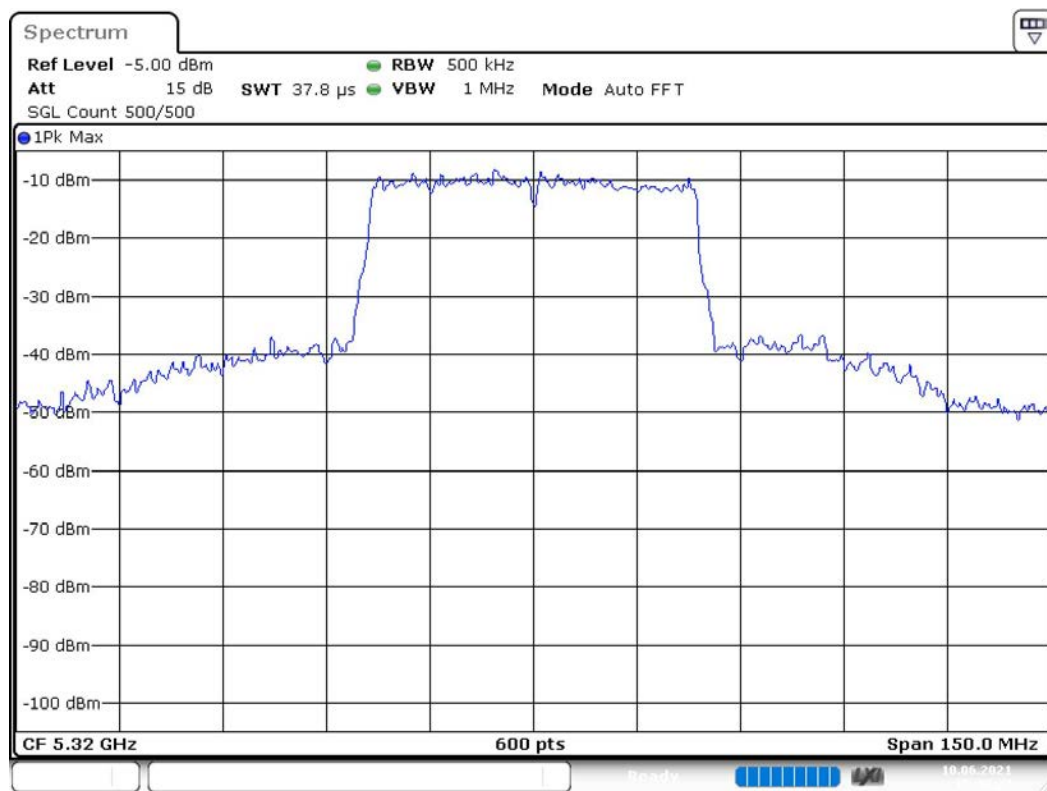
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5320.000000	52.000000	---	---	5293.875000	5345.875000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
5320.000000	6.0	PASS

26 dB Bandwidth





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RF output power (5320 MHz; 30.000 dBm; 50 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5320.000000	21.7	24.0	24.7	99.670	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 (5320 MHz; 30.000 dBm; 50 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5320.000000	5309.603960	3.245	11.0	PASS

Ports

Port	State
1	used

2	used
---	------

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.29500 GHz	5.29500 GHz
Stop Frequency	5.34500 GHz	5.34500 GHz
Span	50.000 MHz	50.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 100
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	Average Power	Average Power
SweepType	Sweep	AUTO
Preamplifier	off	off

Occupied Channel Bandwidth 99% (5320 MHz; 30.000 dBm; 50 MHz)

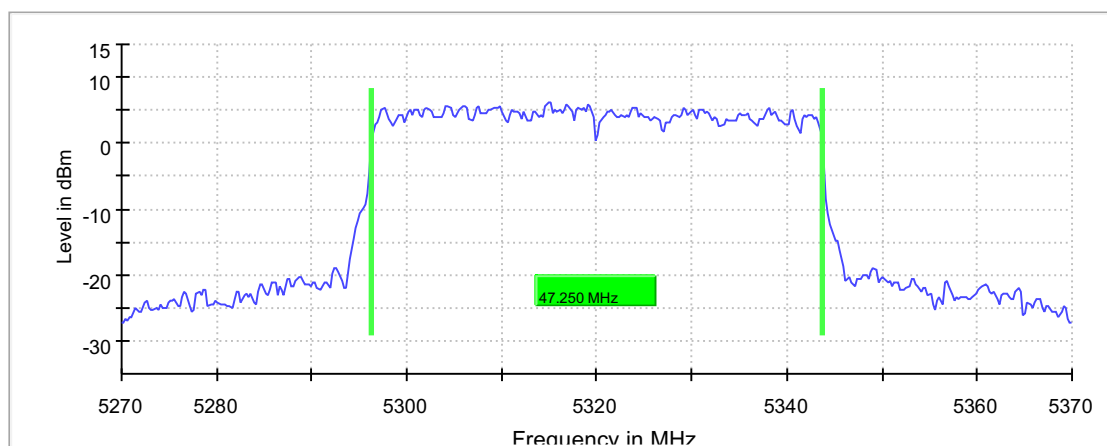
99 % Bandwidth

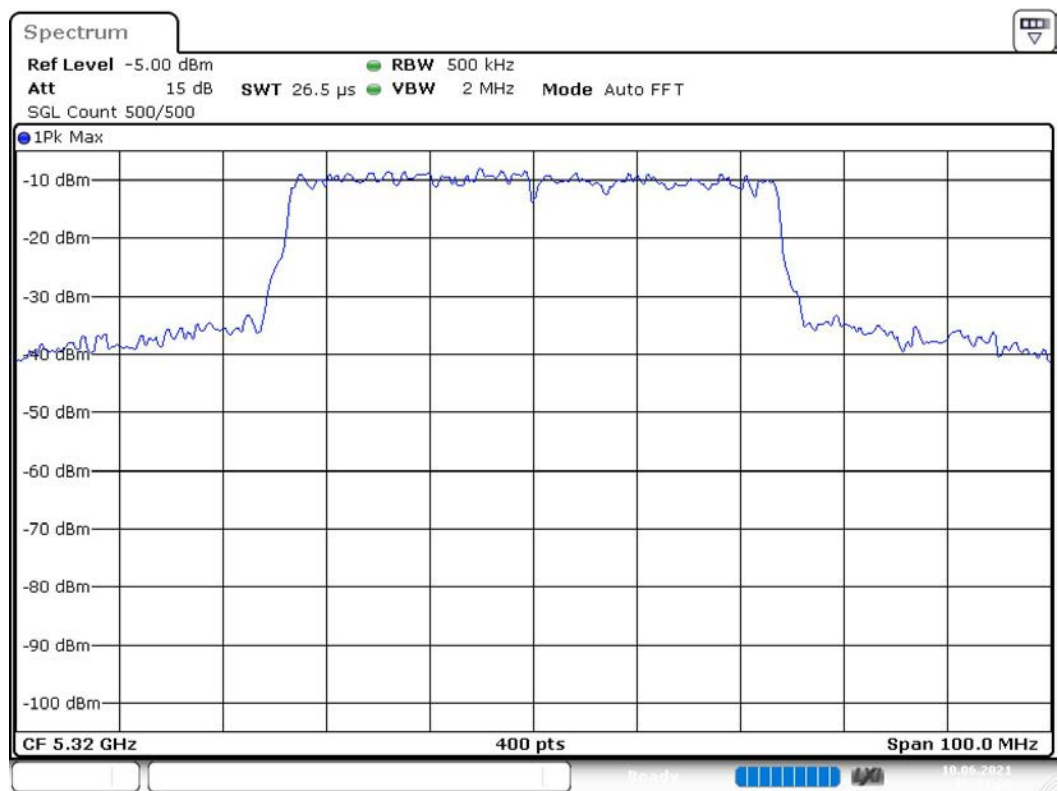
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5320.000000	47.250000	---	---	5296.375000	5343.625000

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

DUT Frequency (MHz)	Result
5320.000000	PASS

99 % Bandwidth





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