

## U6-Pro UNII-2A Annex

## Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5260.000	24.0	20.000000	PASS
RF output power	5260.000	24.0	20.000000	PASS
Power Spectral Density	5260.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5260.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5280.000	24.0	20.000000	PASS
RF output power	5280.000	24.0	20.000000	PASS
Power Spectral Density	5280.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5280.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5320.000	24.0	20.000000	PASS
RF output power	5320.000	24.0	20.000000	PASS
Power Spectral Density	5320.000	24.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5320.000	24.0	20.000000	PASS
Emission Bandwidth 26 dB	5270.000	24.0	40.000000	PASS
RF output power	5270.000	24.0	40.000000	PASS
Power Spectral Density	5270.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5270.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5310.000	24.0	40.000000	PASS
RF output power	5310.000	24.0	40.000000	PASS
Power Spectral Density	5310.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5310.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5290.000	24.0	80.000000	PASS
RF output power	5290.000	24.0	80.000000	PASS
Power Spectral Density	5290.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5290.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	5250.000	24.0	160.000000	PASS
RF output power	5250.000	24.0	160.000000	PASS
Power Spectral Density	5250.000	24.0	160.000000	PASS
Occupied Channel Bandwidth 99%	5250.000	24.0	160.000000	PASS

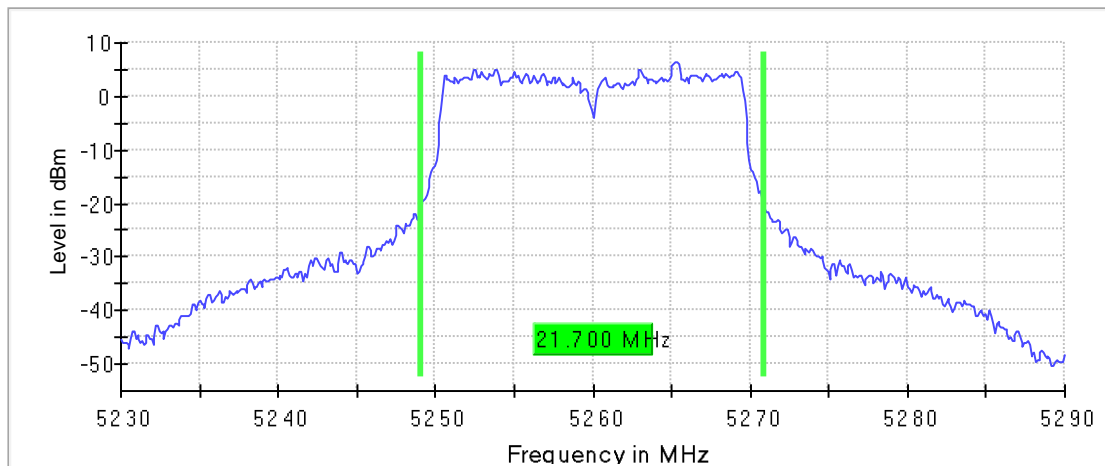
# Emission Bandwidth 26 dB (5260 MHz; 24.000 dBm; 20 MHz)

## 26 dB Bandwidth

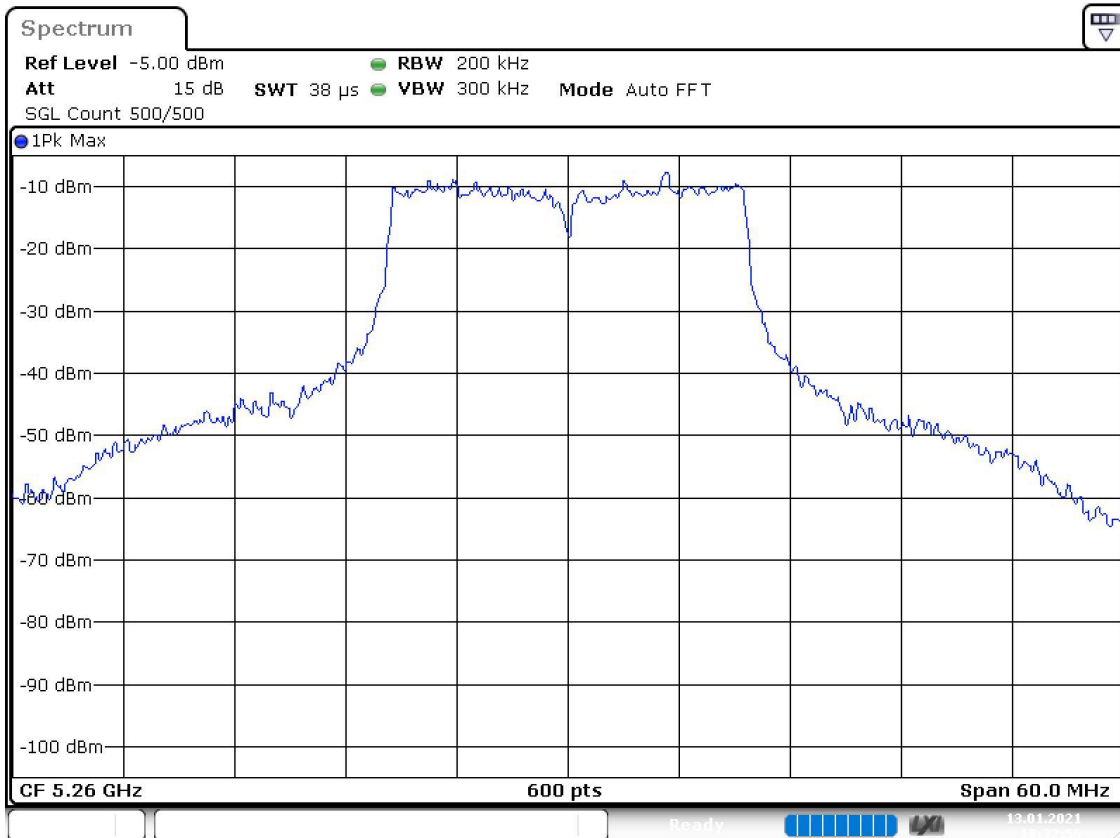
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5260.000000	21.700000	---	---	5249.150000	5270.850000

DUT Frequency (MHz)	Max Level (dBm)	Result
5260.000000	6.4	PASS

26 dB Bandwidth



Bandwidth



Date: 13.JAN.2021 18:32:56

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.23000 GHz	5.23000 GHz
Stop Frequency	5.29000 GHz	5.29000 GHz
Span	60.000 MHz	60.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	300.000 kHz	>= 240.000 kHz
SweepPoints	600	~ 600
Sweeptime	37.969 $\mu$ 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 (5260 MHz; 24.000 dBm; 20 MHz)**

## Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5260.000000	23.6	24.0	23.6	85.912	PASS

## OSP PowerMeter settings

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 $\mu$ s	1.000 $\mu$ s

## Power Spectral Density (5260 MHz; 24.000 dBm; 20 MHz)

### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5260.000000	5252.673267	9.465	11.0	PASS

### Ports

Port	State
1	used
2	used
3	used
4	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	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
SweepTime	3.788 $\mu$ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

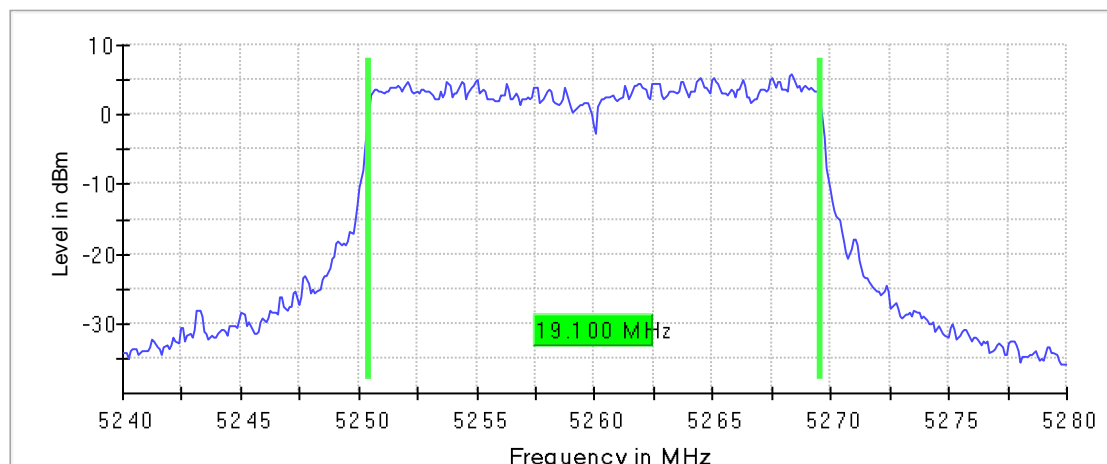
## Occupied Channel Bandwidth 99% (5260 MHz; 24.000 dBm; 20 MHz)

### 99 % Bandwidth

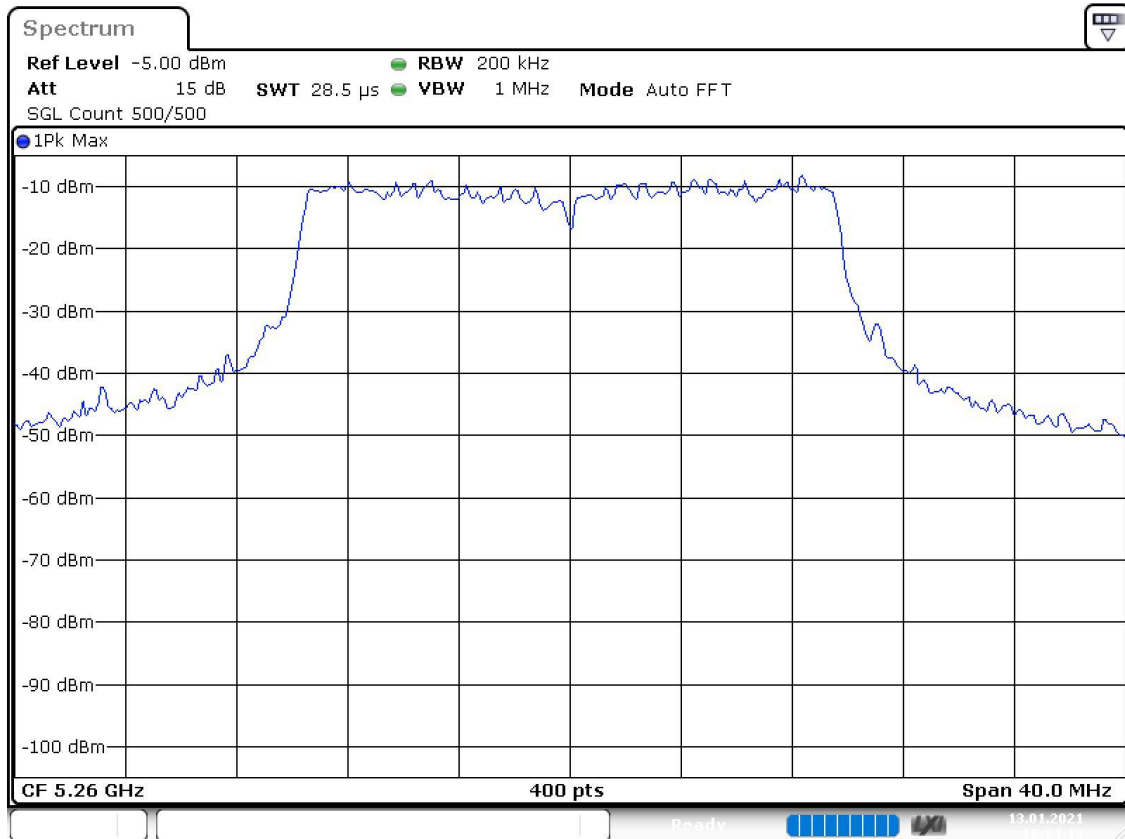
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5260.000000	19.100000	---	---	5250.450000	5269.550000

DUT Frequency (MHz)	Result
5260.000000	PASS

99 % Bandwidth



## Bandwidth



Date: 13.JAN.2021 18:34:19

## 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 μs	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

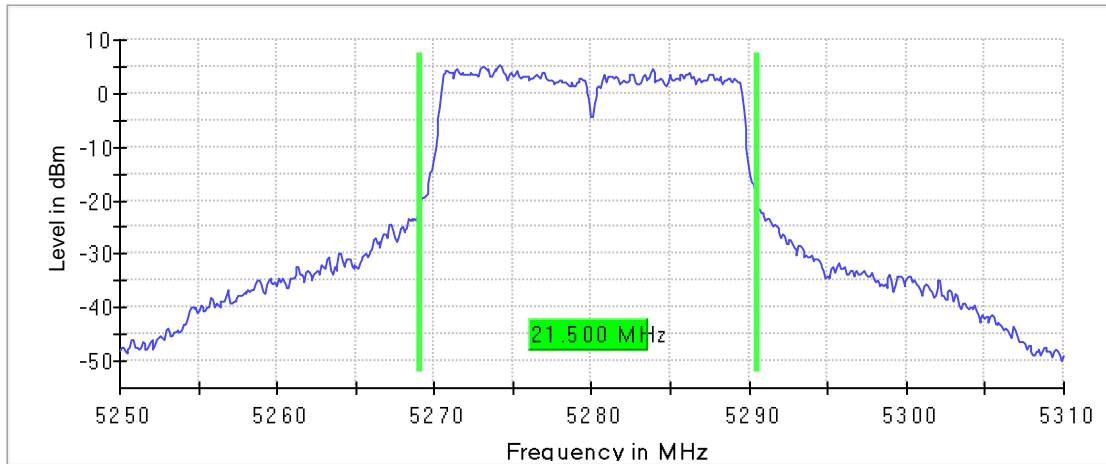
## Emission Bandwidth 26 dB (5280 MHz; 24.000 dBm; 20 MHz)

### 26 dB Bandwidth

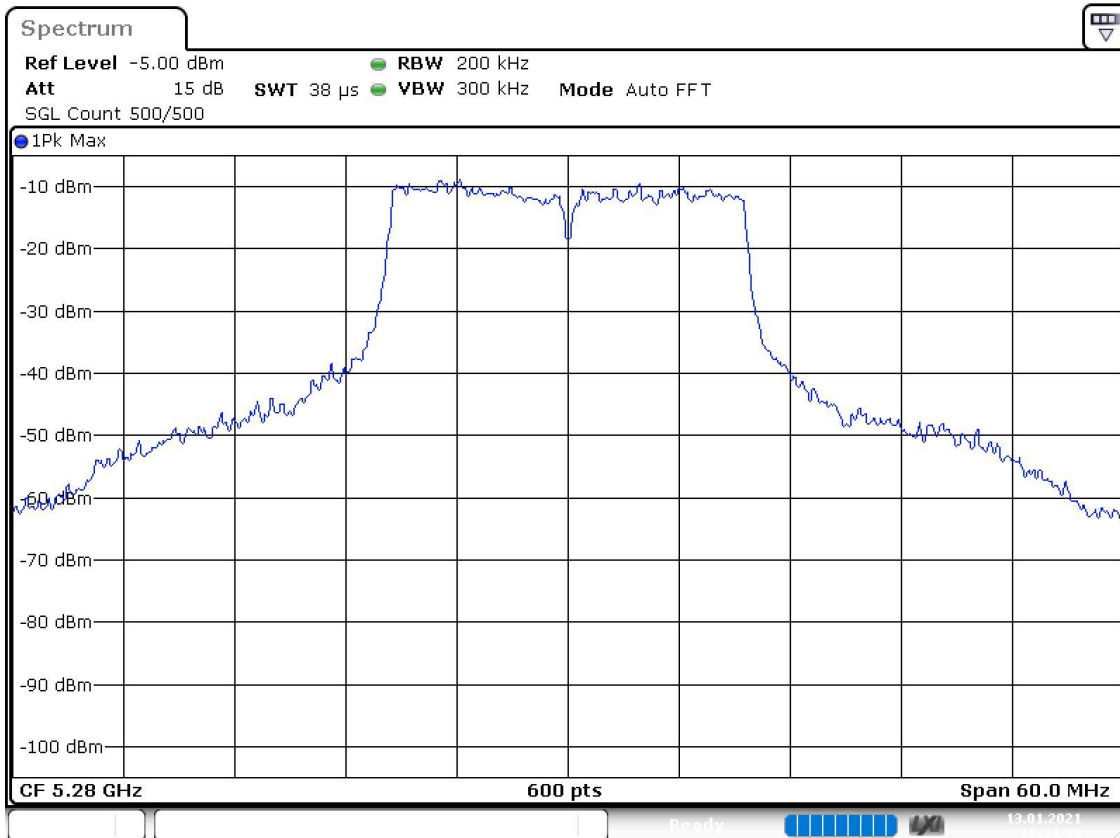
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5280.000000	21.500000	---	---	5269.050000	5290.550000

DUT Frequency (MHz)	Max Level (dBm)	Result
5280.000000	5.3	PASS

26 dB Bandwidth



Bandwidth



Date: 13.JAN.2021 18:34:32

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.31000 GHz	5.31000 GHz
Span	60.000 MHz	60.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	300.000 kHz	>= 240.000 kHz
SweepPoints	600	~ 600
Sweeptime	37.969 $\mu$ 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 (5280 MHz; 24.000 dBm; 20 MHz)

### Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5280.000000	23.7	24.0	23.7	85.970	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 (5280 MHz; 24.000 dBm; 20 MHz)

### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5280.000000	5288.712871	8.898	11.0	PASS

## Ports

Port	State
1	used
2	used
3	used
4	used

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.27000 GHz	5.27000 GHz
Stop Frequency	5.29000 GHz	5.29000 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	3.788 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

## Occupied Channel Bandwidth 99% (5280 MHz; 24.000 dBm; 20 MHz)

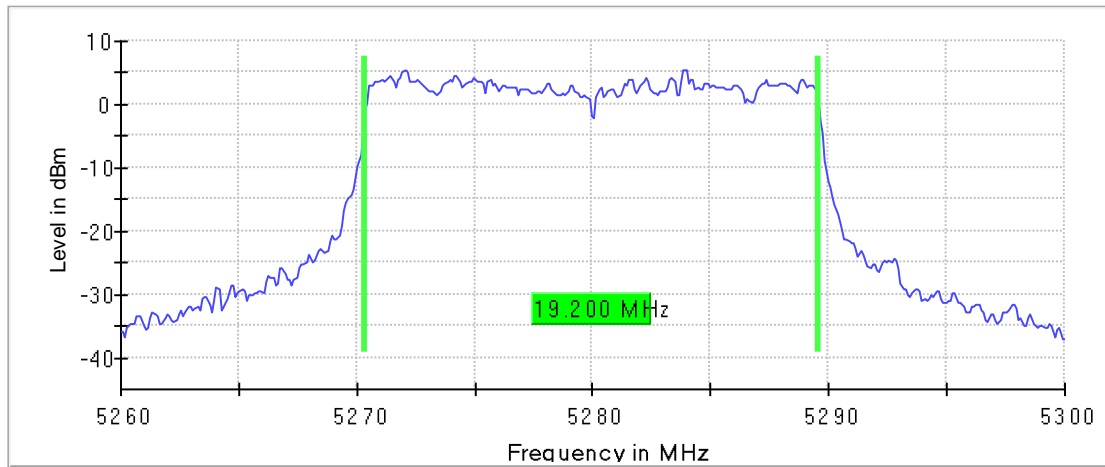
### 99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5280.000000	19.200000	---	---	5270.350000	5289.550000

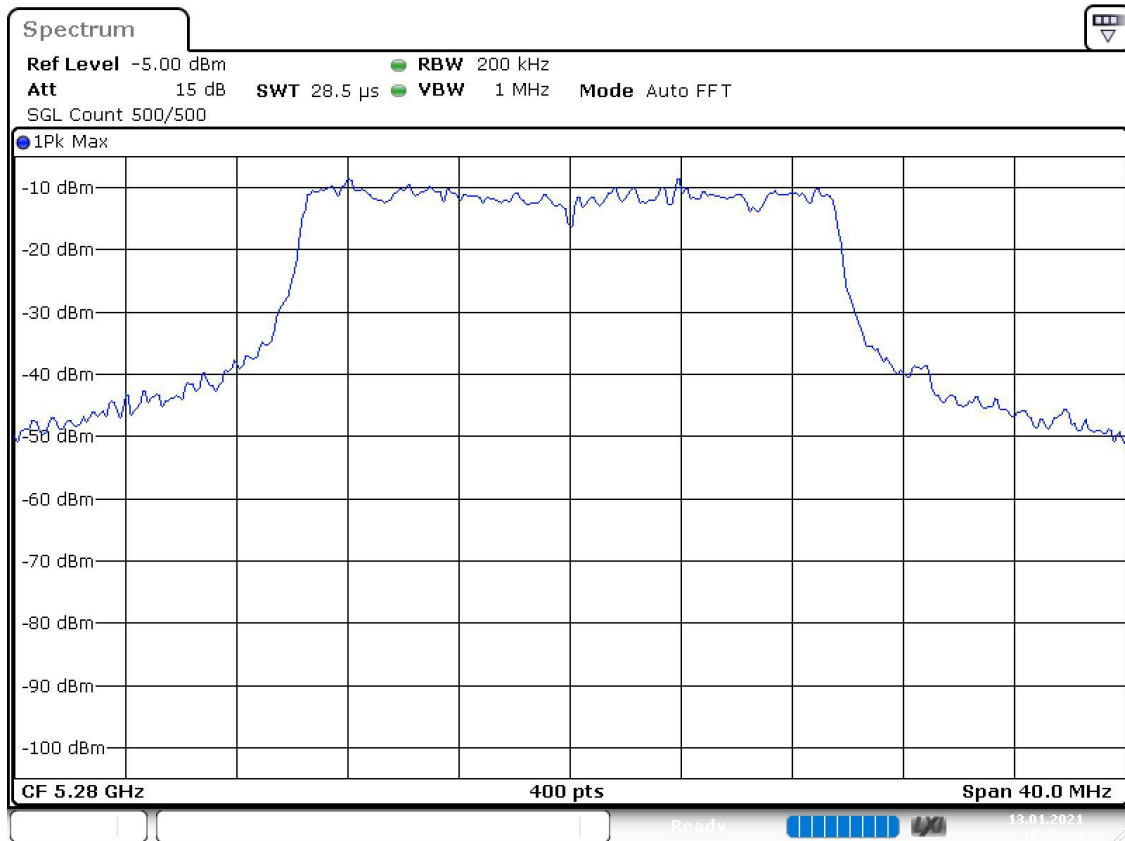


DUT Frequency (MHz)	Result
5280.000000	PASS

99 % Bandwidth



### Bandwidth



Date: 13.JAN.2021 18:35:54

### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.26000 GHz	5.26000 GHz
Stop Frequency	5.30000 GHz	5.30000 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 $\mu$ 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

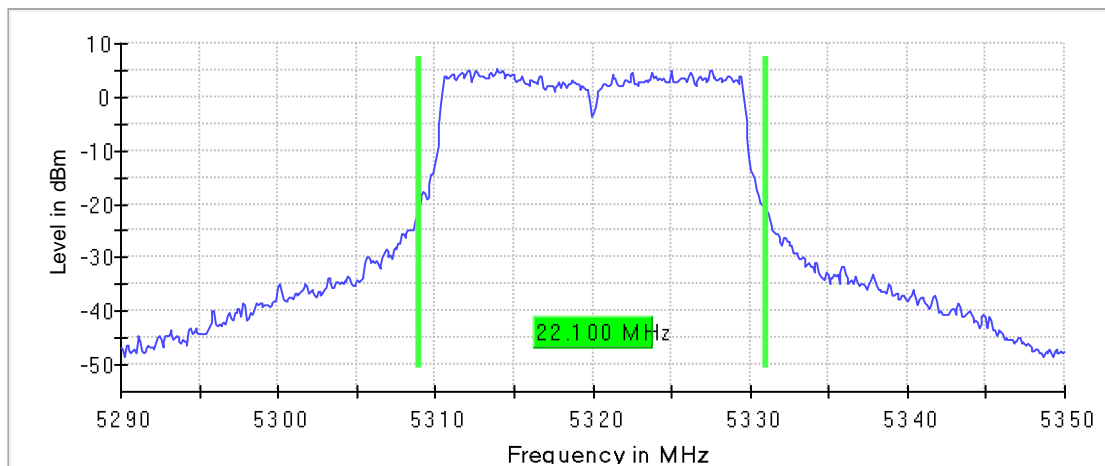
## Emission Bandwidth 26 dB (5320 MHz; 24.000 dBm; 20 MHz)

### 26 dB Bandwidth

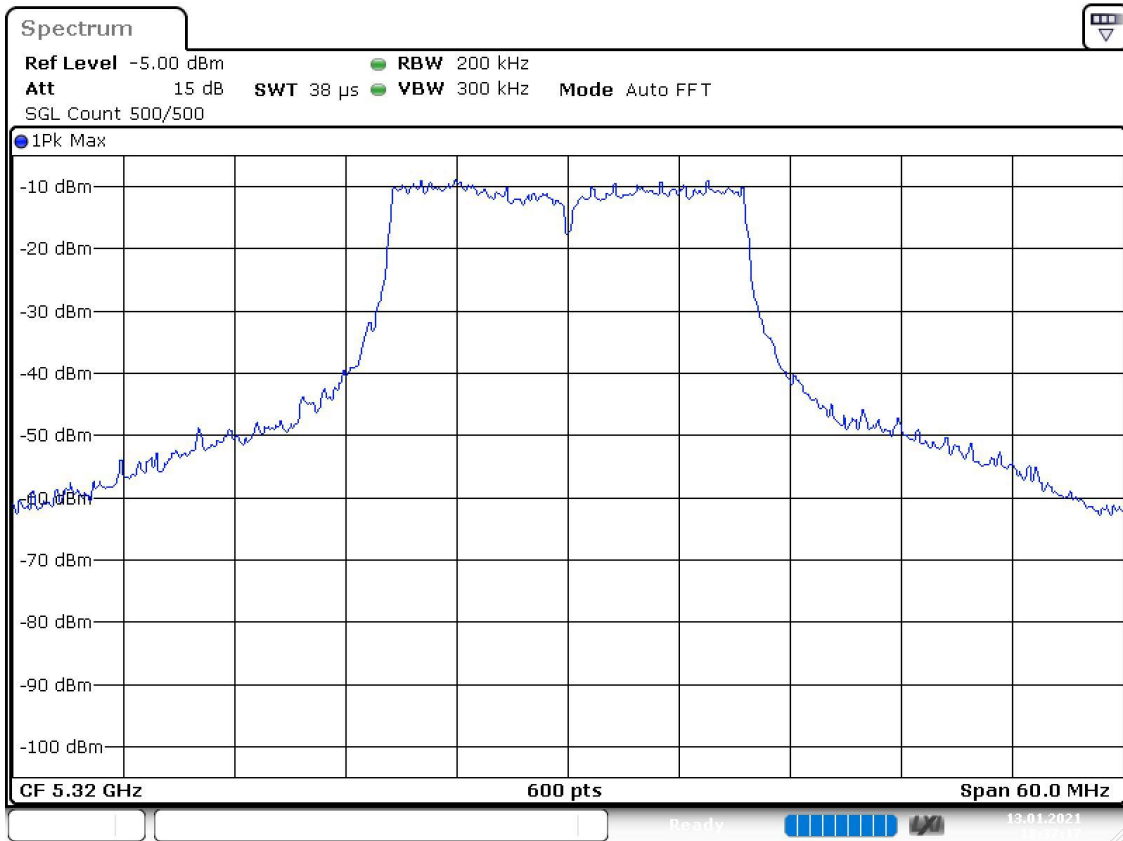
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5320.000000	22.100000	---	---	5308.950000	5331.050000

DUT Frequency (MHz)	Max Level (dBm)	Result
5320.000000	5.4	PASS

26 dB Bandwidth



Bandwidth



Date: 13.JAN.2021 18:37:17

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.29000 GHz	5.29000 GHz
Stop Frequency	5.35000 GHz	5.35000 GHz
Span	60.000 MHz	60.000 MHz
RBW	200.000 kHz	~ 200.000 kHz
VBW	300.000 kHz	>= 240.000 kHz
SweepPoints	600	~ 600
Sweeptime	37.969 $\mu$ 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 (5320 MHz; 24.000 dBm; 20 MHz)**

## Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5320.000000	23.9	24.0	23.9	85.919	PASS

## OSP PowerMeter settings

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 $\mu$ s	1.000 $\mu$ s

## Power Spectral Density (5320 MHz; 24.000 dBm; 20 MHz)

### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5320.000000	5327.128713	9.477	11.0	PASS

### Ports

Port	State
1	used
2	used
3	used
4	used

### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.31000 GHz	5.31000 GHz
Stop Frequency	5.33000 GHz	5.33000 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	3.788 $\mu$ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

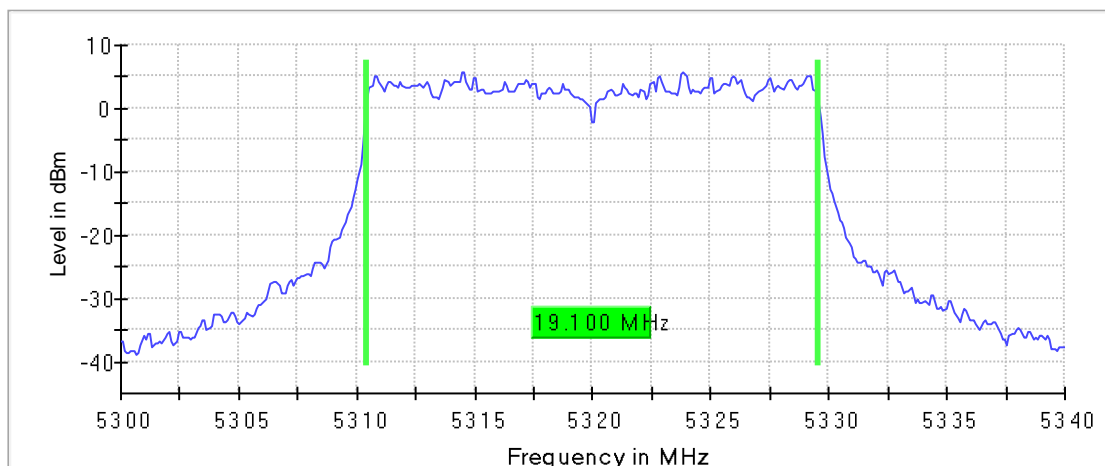
## Occupied Channel Bandwidth 99% (5320 MHz; 24.000 dBm; 20 MHz)

### 99 % Bandwidth

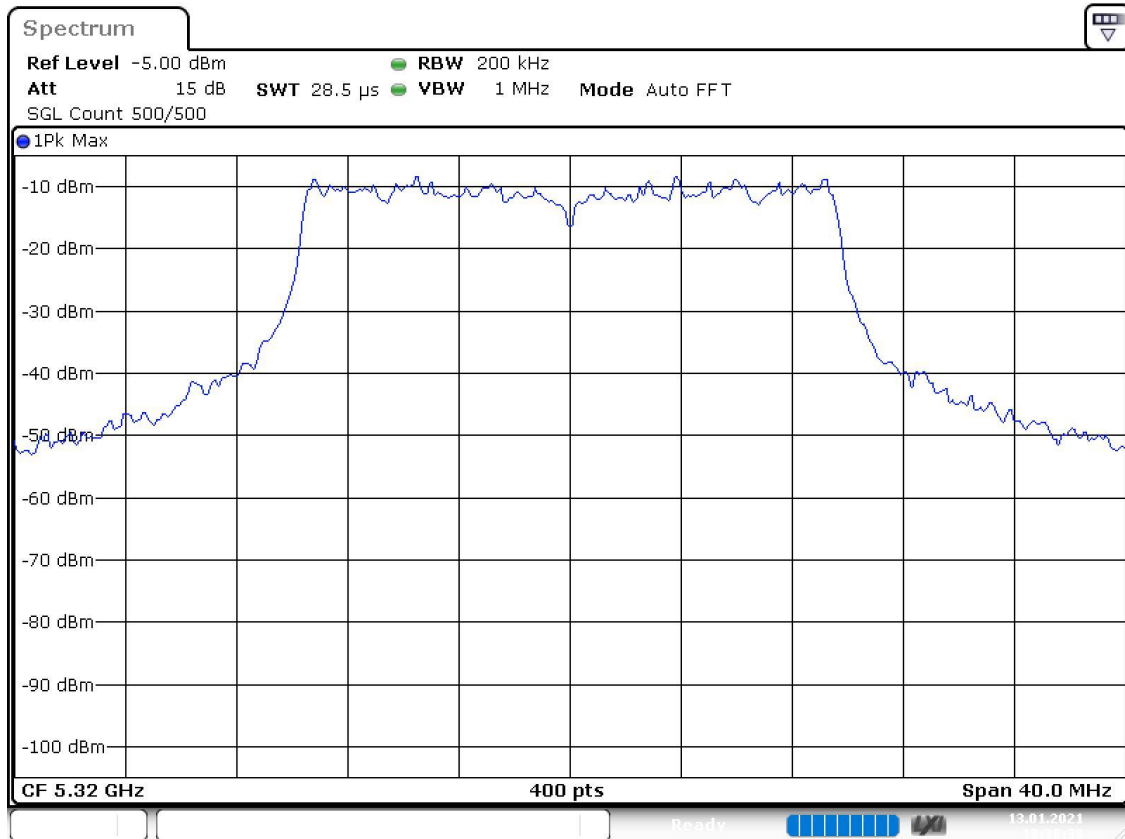
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5320.000000	19.100000	---	---	5310.450000	5329.550000

DUT Frequency (MHz)	Result
5320.000000	PASS

99 % Bandwidth



## Bandwidth



Date: 13.JAN.2021 18:38:38

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.30000 GHz	5.30000 GHz
Stop Frequency	5.34000 GHz	5.34000 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 $\mu$ 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 (5270 MHz; 24.000 dBm; 40 MHz)

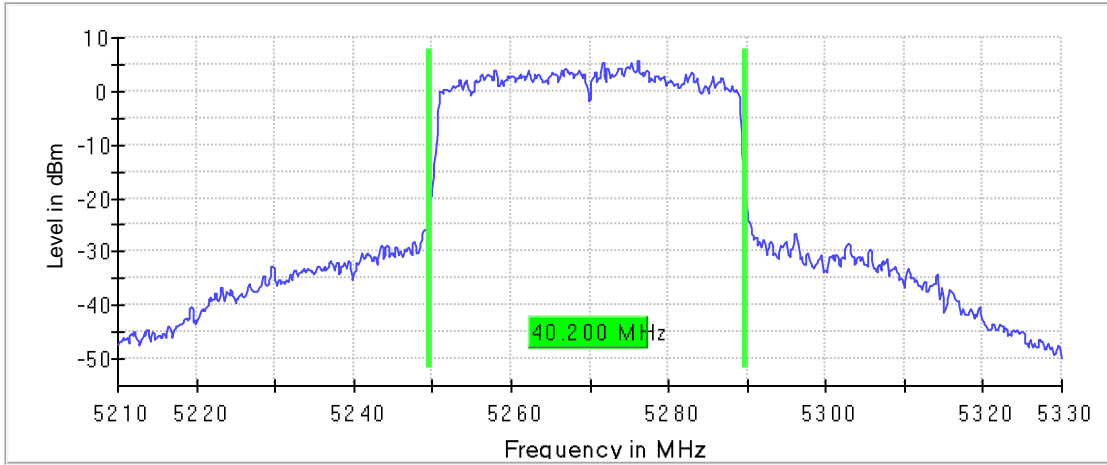
### 26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5270.000000	40.200000	---	---	5249.675000	5289.875000

DUT Frequency (MHz)	Max Level (dBm)	Result

5270.000000	5.8	PASS
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26 dB Bandwidth



Bandwidth

**Spectrum**

Ref Level -5.00 dBm    RBW 300 kHz  
 Att 15 dB    SWT 50.6 μs    VBW 500 kHz    Mode Auto FFT  
 SGL Count 500/500

● 1Pk Max

CF 5.27 GHz    800 pts    Span 120.0 MHz

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Date: 13.JAN.2021 18:39:13

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.21000 GHz	5.21000 GHz
Stop Frequency	5.33000 GHz	5.33000 GHz
Span	120.000 MHz	120.000 MHz
RBW	300.000 kHz	~ 400.000 kHz
VBW	500.000 kHz	>= 360.000 kHz

SweepPoints	800	~ 800
SweepTime	50.625 µs	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 (5270 MHz; 24.000 dBm; 40 MHz)

### Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5270.000000	23.7	24.0	23.7	85.956	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 (5270 MHz; 24.000 dBm; 40 MHz)

### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5270.000000	5264.455446	6.858	11.0	PASS

## Ports

Port	State
1	used
2	used
3	used
4	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	5.681 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

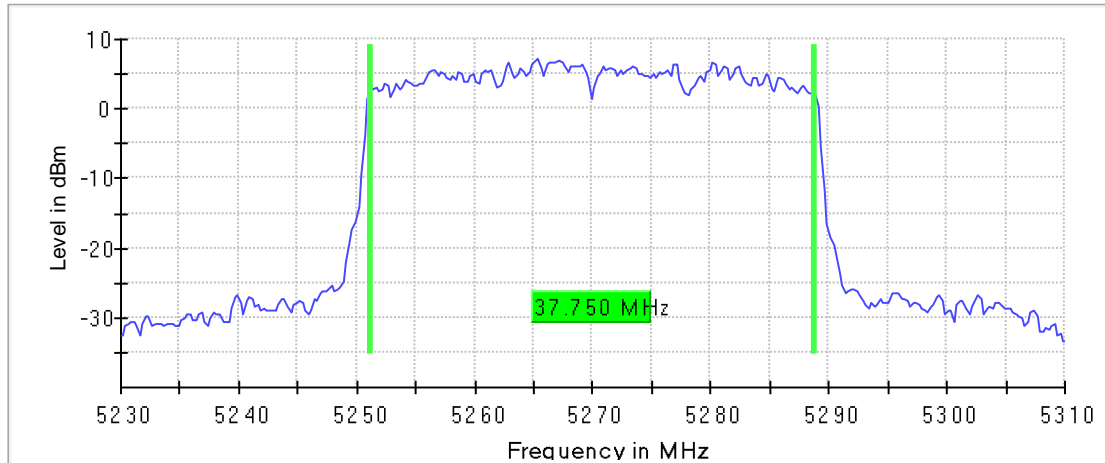
## Occupied Channel Bandwidth 99% (5270 MHz; 24.000 dBm; 40 MHz)

### 99 % Bandwidth

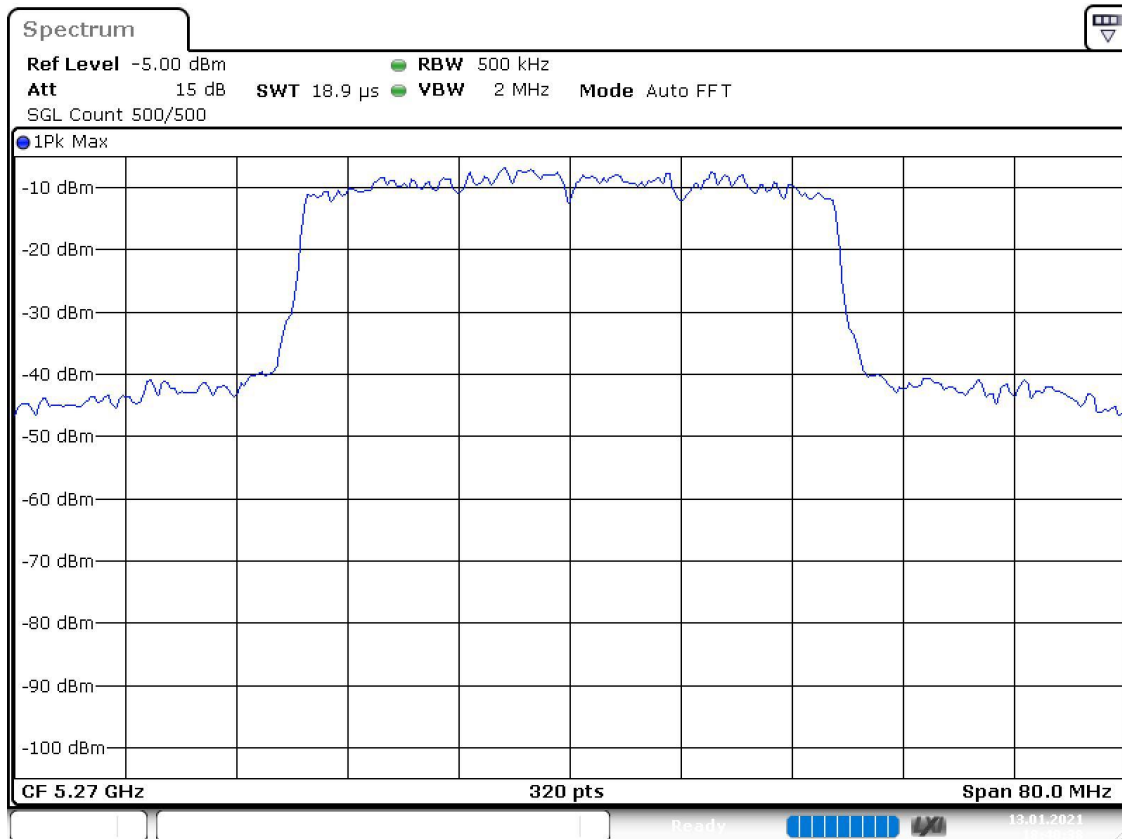
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5270.000000	37.750000	---	---	5251.125000	5288.875000

DUT Frequency (MHz)	Result
5270.00000	PASS

99 % Bandwidth



### Bandwidth



Date: 13.JAN.2021 18:40:38

### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.23000 GHz	5.23000 GHz
Stop Frequency	5.31000 GHz	5.31000 GHz
Span	80.000 MHz	80.000 MHz



RBW	500.000 kHz	>= 400.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
Sweeptime	18.906 $\mu$ 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

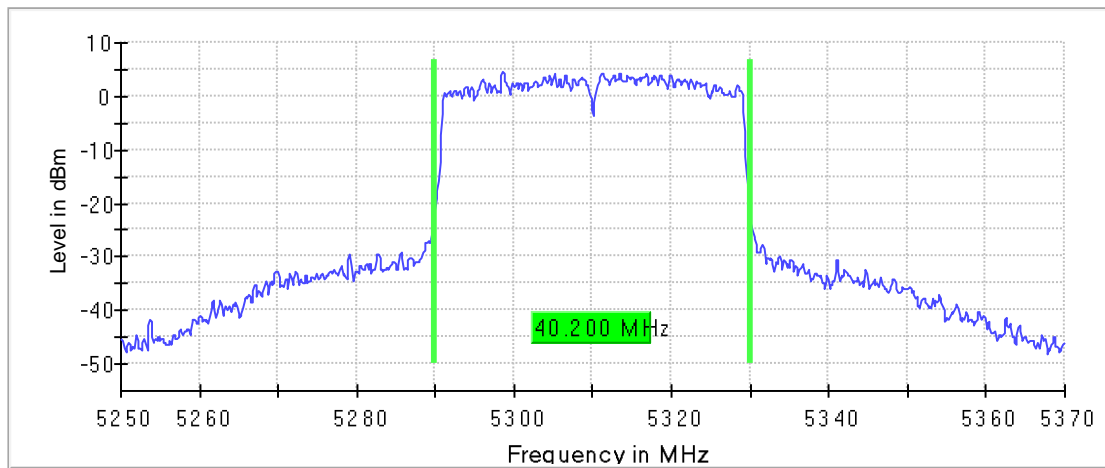
## Emission Bandwidth 26 dB (5310 MHz; 24.000 dBm; 40 MHz)

### 26 dB Bandwidth

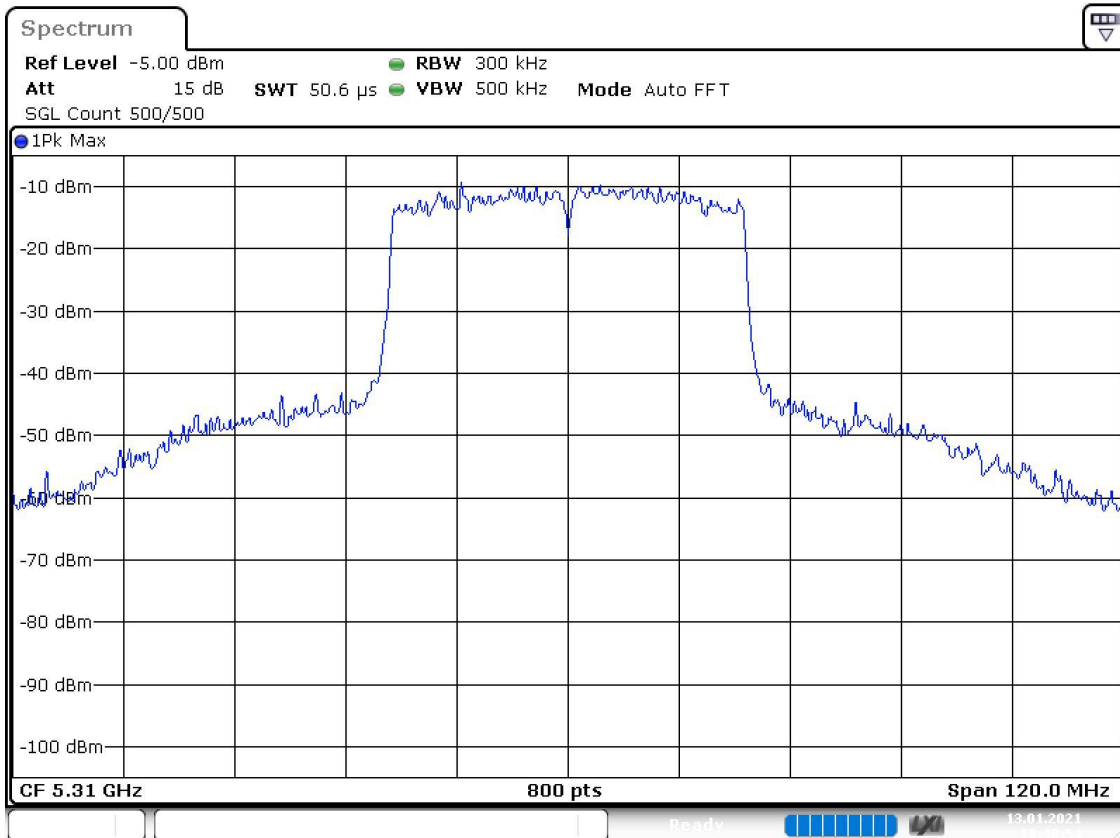
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5310.000000	40.200000	---	---	5289.825000	5330.025000

DUT Frequency (MHz)	Max Level (dBm)	Result
5310.000000	4.8	PASS

26 dB Bandwidth



Bandwidth



Date: 13.JAN.2021 18:40:53

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.37000 GHz	5.37000 GHz
Span	120.000 MHz	120.000 MHz
RBW	300.000 kHz	~ 400.000 kHz
VBW	500.000 kHz	>= 360.000 kHz
SweepPoints	800	~ 800
Sweeptime	50.625 μs	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 (5310 MHz; 24.000 dBm; 40 MHz)**

## Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5310.000000	23.9	24.0	23.9	85.916	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 (5310 MHz; 24.000 dBm; 40 MHz)

### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5310.000000	5306.435644	6.814	11.0	PASS

### Ports

Port	State
1	used
2	used
3	used
4	used

### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.29000 GHz	5.29000 GHz
Stop Frequency	5.33000 GHz	5.33000 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	5.681 $\mu$ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

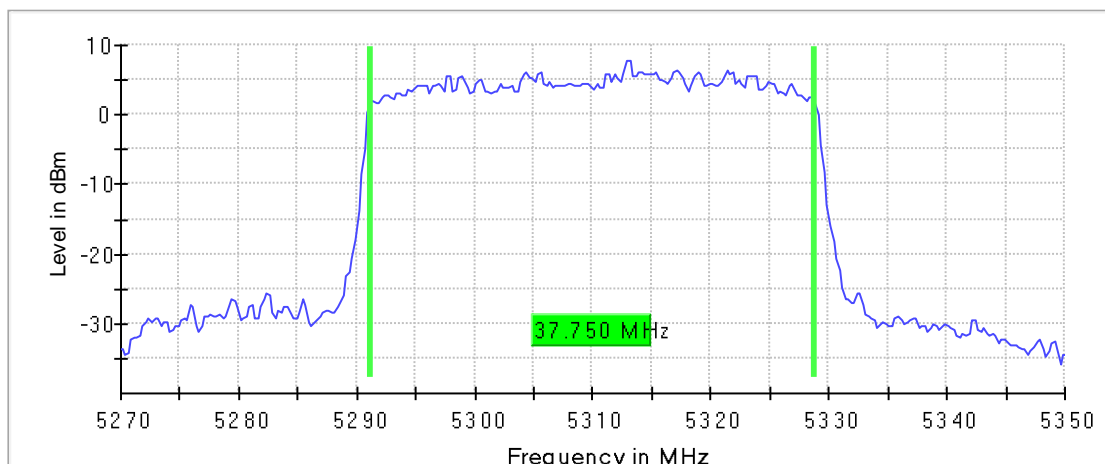
## Occupied Channel Bandwidth 99% (5310 MHz; 24.000 dBm; 40 MHz)

### 99 % Bandwidth

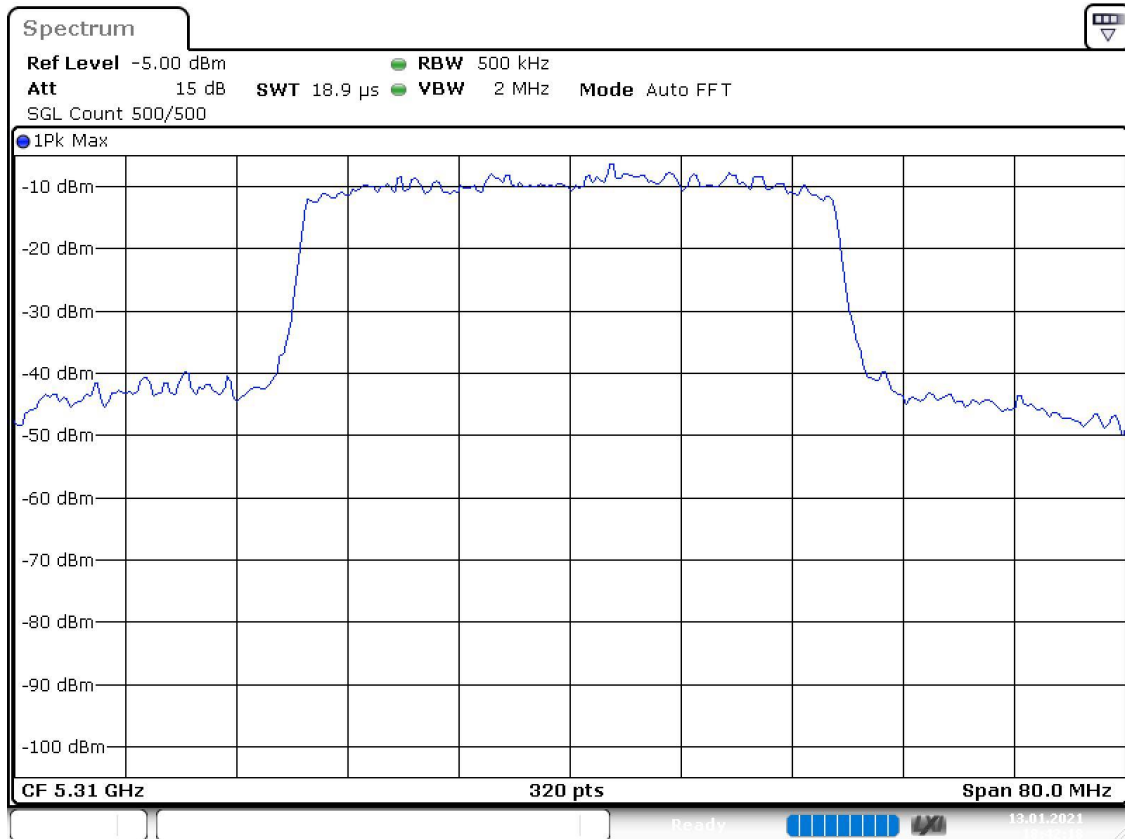
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5310.000000	37.750000	---	---	5291.125000	5328.875000

DUT Frequency (MHz)	Result
5310.000000	PASS

99 % Bandwidth



## Bandwidth



Date: 13.JAN.2021 18:42:18

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.27000 GHz	5.27000 GHz
Stop Frequency	5.35000 GHz	5.35000 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
SweepTime	18.906 μs	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

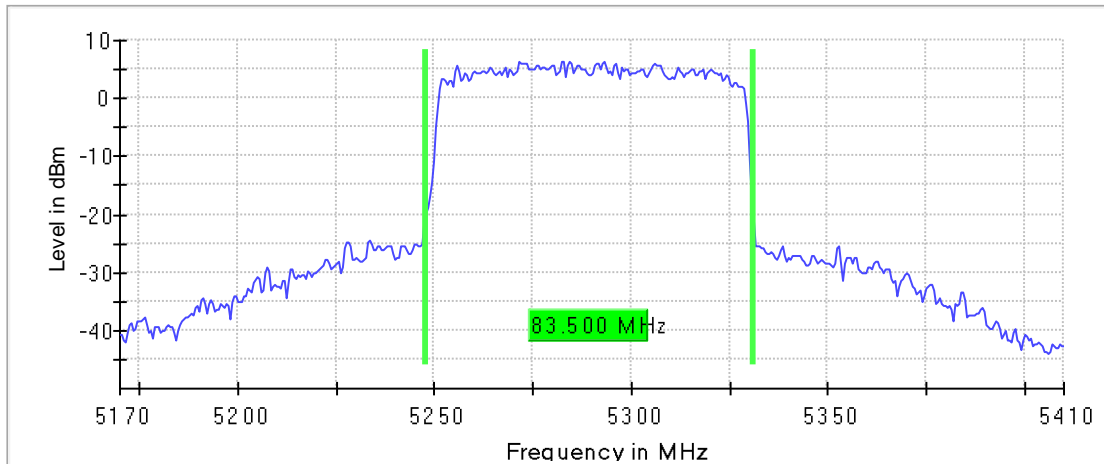
## Emission Bandwidth 26 dB (5290 MHz; 24.000 dBm; 80 MHz)

### 26 dB Bandwidth

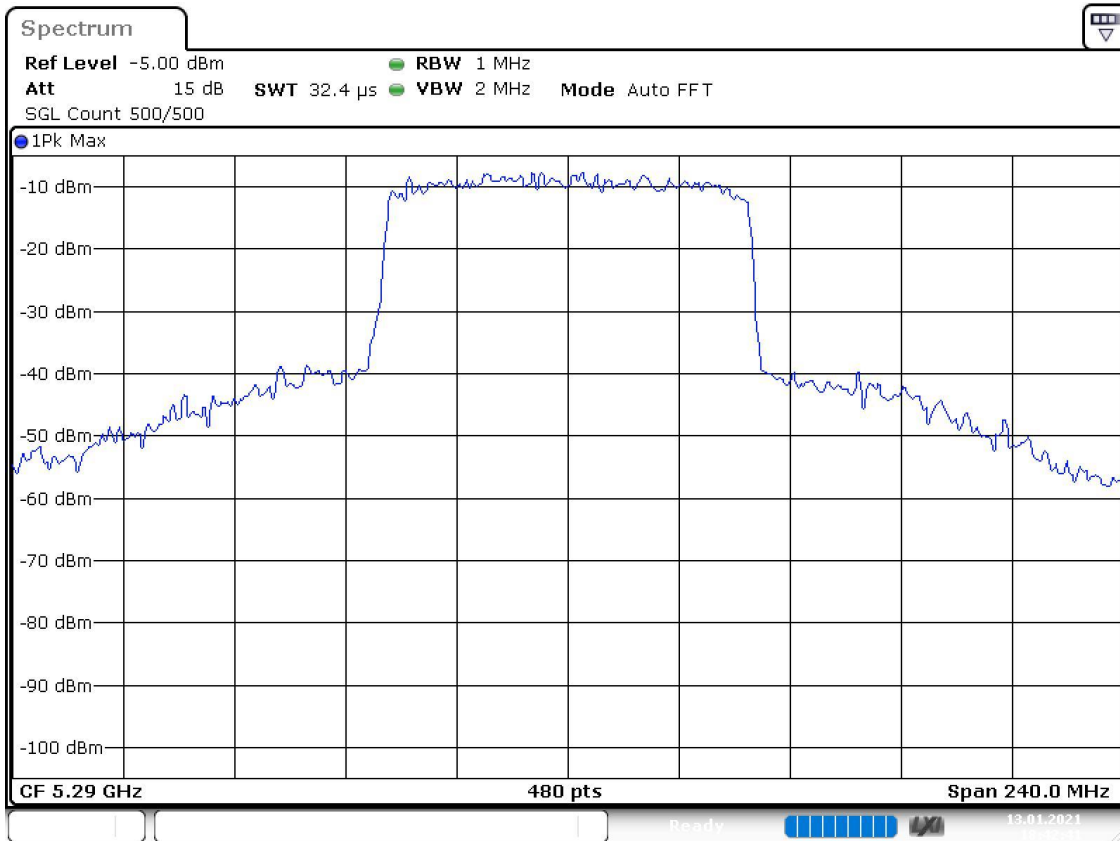
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5290.000000	83.500000	---	---	5247.750000	5331.250000

DUT Frequency (MHz)	Max Level (dBm)	Result
5290.000000	6.4	PASS

26 dB Bandwidth



Bandwidth



Date: 13.JAN.2021 18:42:41

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.17000 GHz	5.17000 GHz
Stop Frequency	5.41000 GHz	5.41000 GHz
Span	240.000 MHz	240.000 MHz
RBW	1.000 MHz	~ 800.000 kHz
VBW	2.000 MHz	>= 1.200 MHz
SweepPoints	480	~ 480
Sweeptime	32.406 μs	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 (5290 MHz; 24.000 dBm; 80 MHz)

### Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5290.000000	23.8	24.0	23.8	85.936	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 (5290 MHz; 24.000 dBm; 80 MHz)

### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5290.000000	5280.250000	3.953	11.0	PASS

## Ports

Port	State
1	used
2	used
3	used
4	used

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.25000 GHz	5.25000 GHz
Stop Frequency	5.33000 GHz	5.33000 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	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

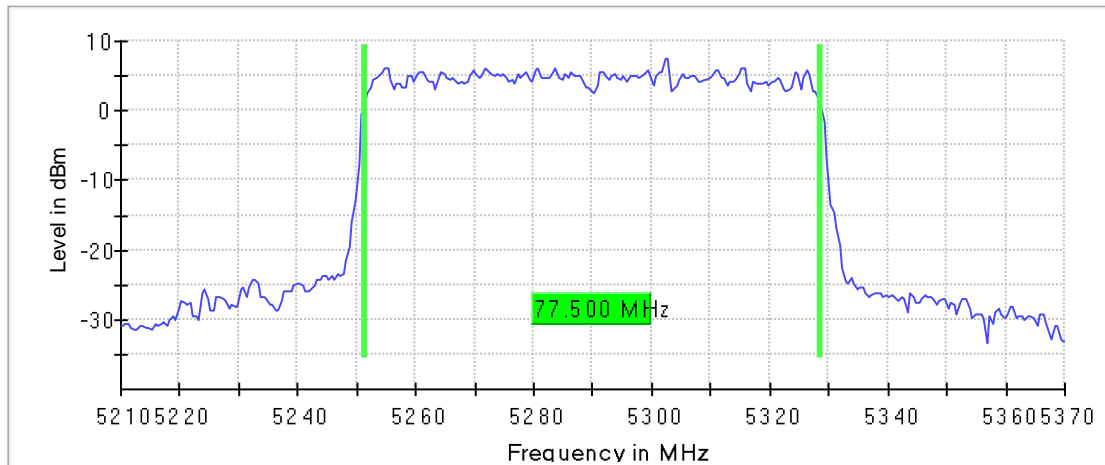
## Occupied Channel Bandwidth 99% (5290 MHz; 24.000 dBm; 80 MHz)

### 99 % Bandwidth

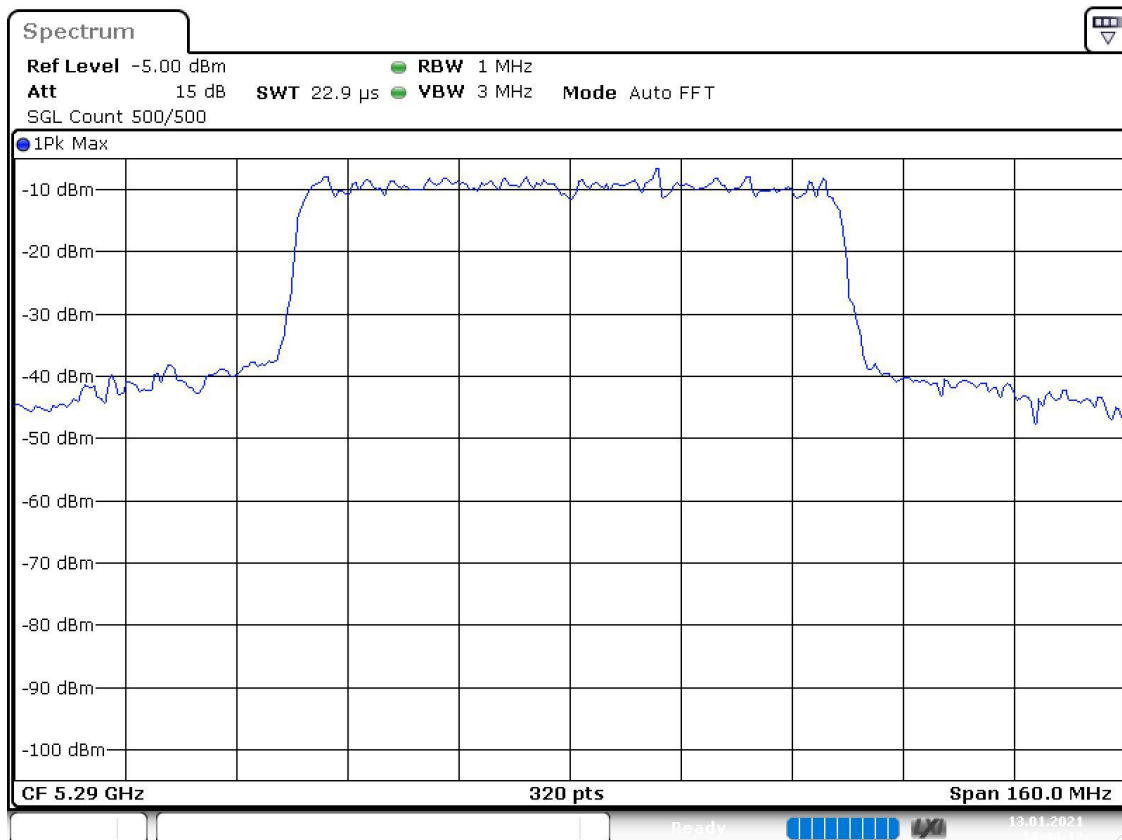
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5290.000000	77.500000	---	---	5251.250000	5328.750000

DUT Frequency (MHz)	Result
5290.000000	PASS

99 % Bandwidth



### Bandwidth



Date: 13.JAN.2021 18:44:12

### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.21000 GHz	5.21000 GHz
Stop Frequency	5.37000 GHz	5.37000 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	$\geq$ 800.000 kHz

VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	320	~ 320
Sweeptime	22.875 $\mu$ 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

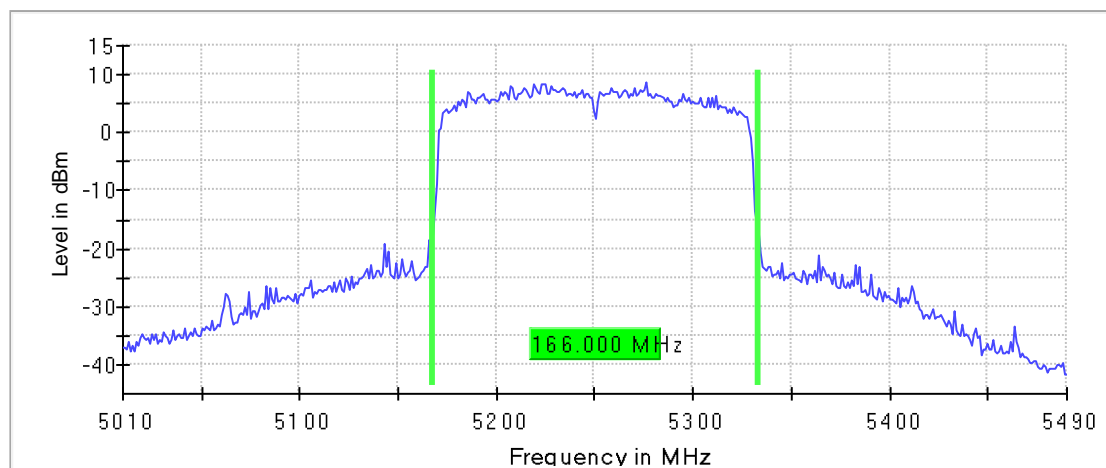
## Emission Bandwidth 26 dB (5250 MHz; 24.000 dBm; 160 MHz)

### 26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5250.000000	166.000000	---	---	5167.500000	5333.500000

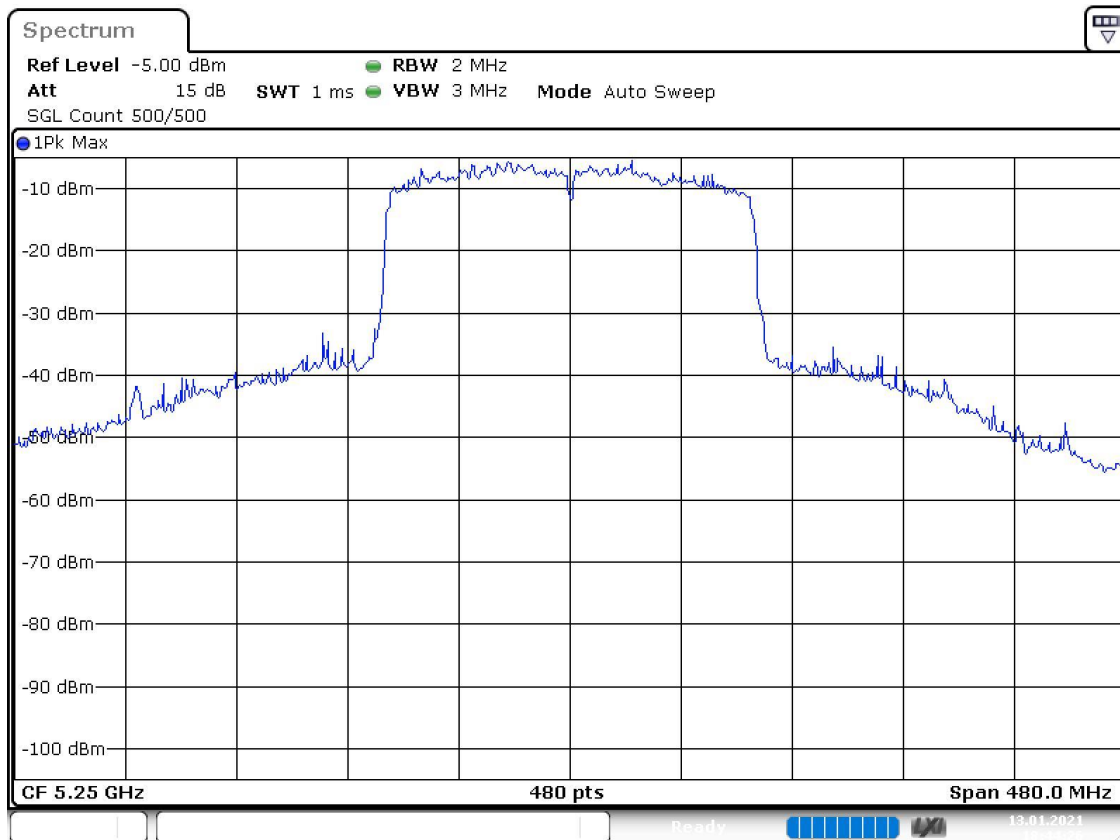
DUT Frequency (MHz)	Max Level (dBm)	Result
5250.000000	8.7	PASS

26 dB Bandwidth



Bandwidth





Date: 13.JAN.2021 18:44:26

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.01000 GHz	5.01000 GHz
Stop Frequency	5.49000 GHz	5.49000 GHz
Span	480.000 MHz	480.000 MHz
RBW	2.000 MHz	~ 1.600 MHz
VBW	3.000 MHz	>= 2.400 MHz
SweepPoints	480	~ 480
Sweeptime	1.000 ms	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	Sweep	AUTO
Preamp	off	off

**RF output power (5250 MHz; 24.000 dBm; 160 MHz)**

## Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5250.000000	23.7	24.0	23.7	93.706	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 (5250 MHz; 24.000 dBm; 160 MHz)

### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5250.000000	5224.750000	1.940	11.0	PASS

### Ports

Port	State
1	used
2	used
3	used
4	used

### Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.17000 GHz	5.17000 GHz
Stop Frequency	5.33000 GHz	5.33000 GHz
Span	160.000 MHz	160.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	320	~ 320
SweepTime	22.875 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

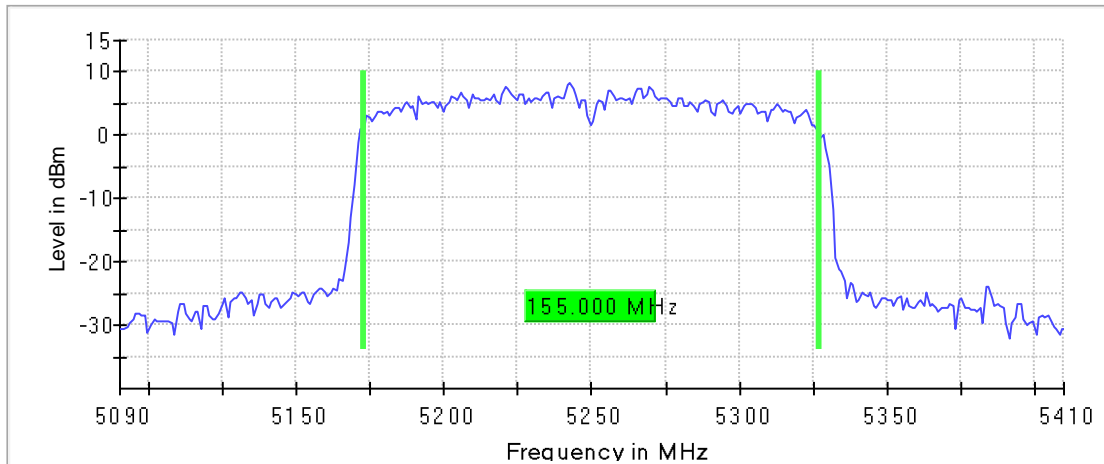
## Occupied Channel Bandwidth 99% (5250 MHz; 24.000 dBm; 160 MHz)

### 99 % Bandwidth

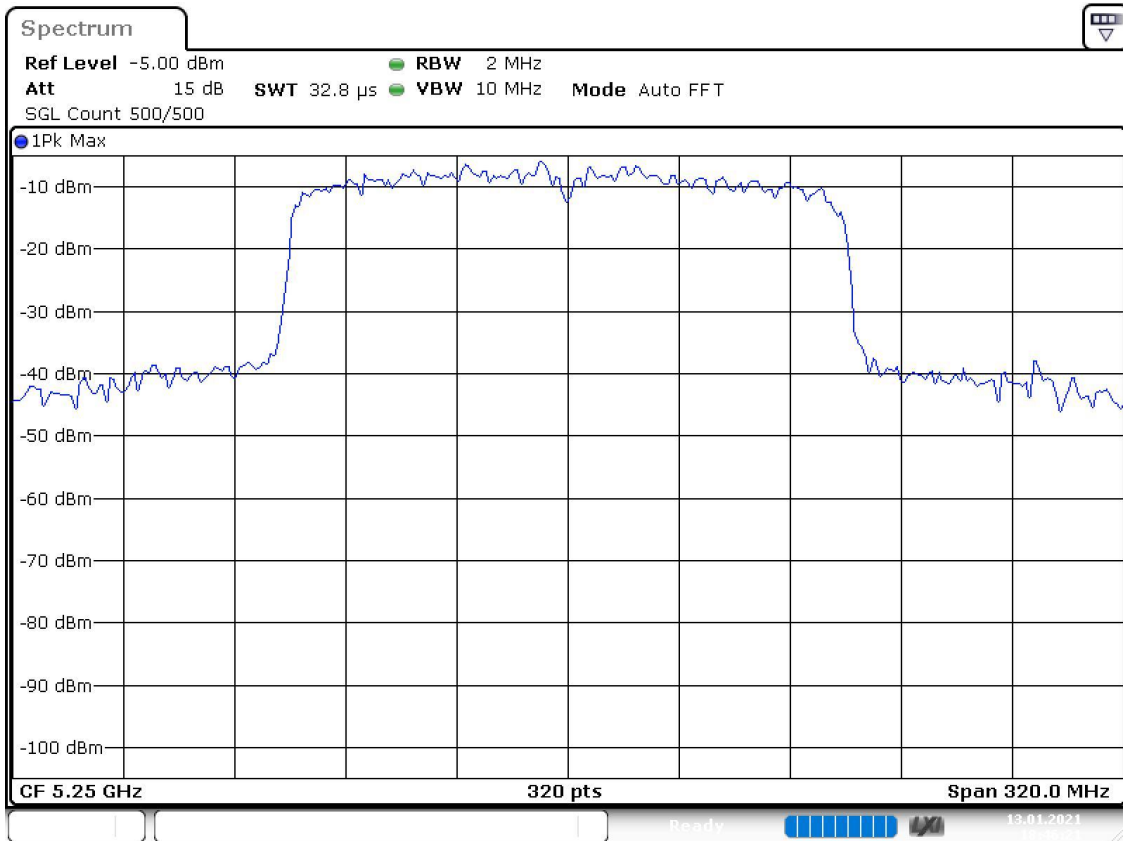
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5250.000000	155.000000	---	---	5172.500000	5327.500000

DUT Frequency (MHz)	Result
5250.000000	PASS

99 % Bandwidth



## Bandwidth



Date: 13.JAN.2021 18:46:21

## Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.09000 GHz	5.09000 GHz
Stop Frequency	5.41000 GHz	5.41000 GHz
Span	320.000 MHz	320.000 MHz
RBW	2.000 MHz	$\geq$ 1.600 MHz
VBW	10.000 MHz	$\geq$ 6.000 MHz
SweepPoints	320	$\sim$ 320
Sweeptime	32.813 $\mu$ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm

<b>Attenuation</b>	<b>15.000 dB</b>	<b>AUTO</b>
<b>Detector</b>	<b>MaxPeak</b>	<b>MaxPeak</b>
<b>SweepCount</b>	<b>500</b>	<b>500</b>
<b>Filter</b>	<b>3 dB</b>	<b>3 dB</b>
<b>Trace Mode</b>	<b>Max Hold</b>	<b>Max Hold</b>
<b>SweepType</b>	<b>FFT</b>	<b>AUTO</b>
<b>Preamp</b>	<b>off</b>	<b>off</b>