

LBE-5AC-XR UNII-1 Annex

Summary

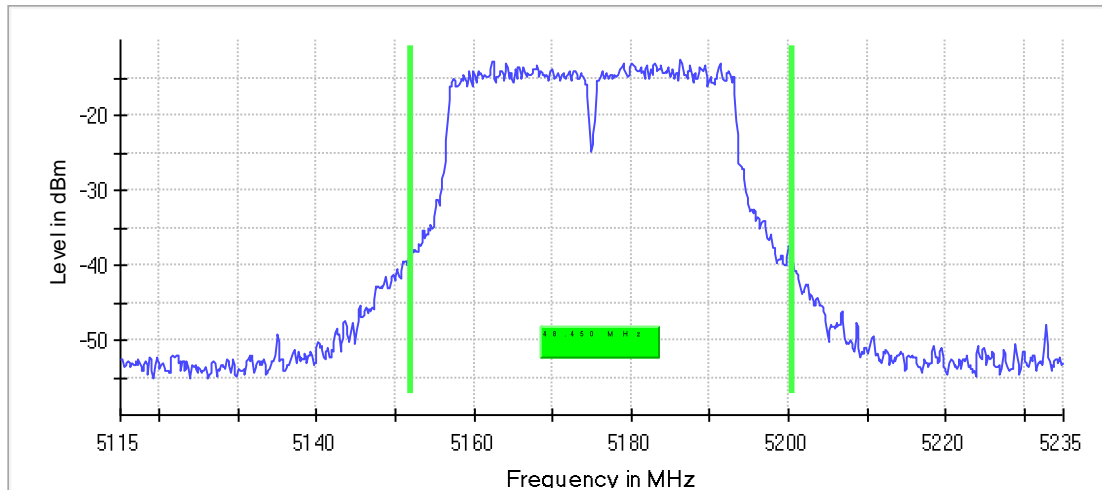
Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5175.000	24.0	40.000000	PASS
RF output power	5175.000	24.0	40.000000	PASS
Power Spectral Density	5175.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5175.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5200.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5200.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5230.000	24.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5230.000	24.0	40.000000	PASS
Emission Bandwidth 26 dB	5180.000	24.0	50.000000	PASS
Occupied Channel Bandwidth 99%	5180.000	24.0	50.000000	PASS
Emission Bandwidth 26 dB	5200.000	24.0	50.000000	PASS
Occupied Channel Bandwidth 99%	5200.000	24.0	50.000000	PASS
Emission Bandwidth 26 dB	5225.000	24.0	50.000000	PASS
Occupied Channel Bandwidth 99%	5225.000	24.0	50.000000	PASS
Emission Bandwidth 26 dB	5185.000	24.0	60.000000	PASS
Occupied Channel Bandwidth 99%	5185.000	24.0	60.000000	PASS
Emission Bandwidth 26 dB	5200.000	24.0	60.000000	PASS
Occupied Channel Bandwidth 99%	5200.000	24.0	60.000000	PASS
Emission Bandwidth 26 dB	5220.000	24.0	60.000000	PASS
Occupied Channel Bandwidth 99%	5220.000	24.0	60.000000	PASS
Emission Bandwidth 26 dB	5195.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5195.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	5200.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5200.000	24.0	80.000000	PASS
Emission Bandwidth 26 dB	5210.000	24.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5210.000	24.0	80.000000	PASS

Emission Bandwidth 26 dB (5175 MHz; 24.000 dBm; 40 MHz)

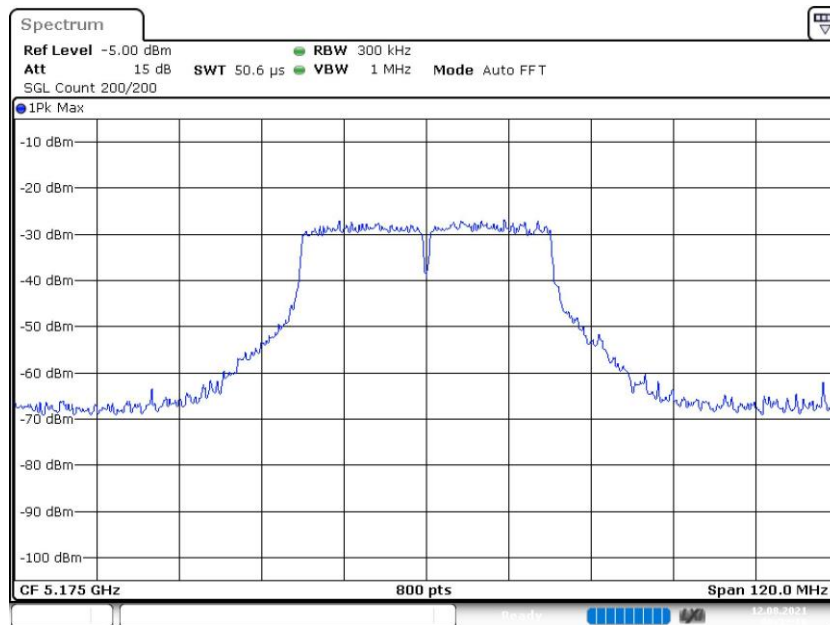
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5175.000000	48.450000	---	---	5151.975000	5200.425000

DUT Frequency (MHz)	Max Level (dBm)	Result
5175.000000	-12.7	PASS



Bandwidth



Date: 12.AUG.2021 09:52:19

Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.11500 GHz	5.11500 GHz
Stop Frequency	5.23500 GHz	5.23500 GHz
Span	120.000 MHz	120.000 MHz

RBW	300.000 kHz	~ 400.000 kHz
VBW	1.000 MHz	>= 900.000 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	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

RF output power (5175 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5175.000000	5.2	30.0	5.2	85.070	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 (5175 MHz; 24.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5175.000000	5183.316832	-12.664	17.0	PASS

Ports

Port	State
1	used
2	used

Measurement

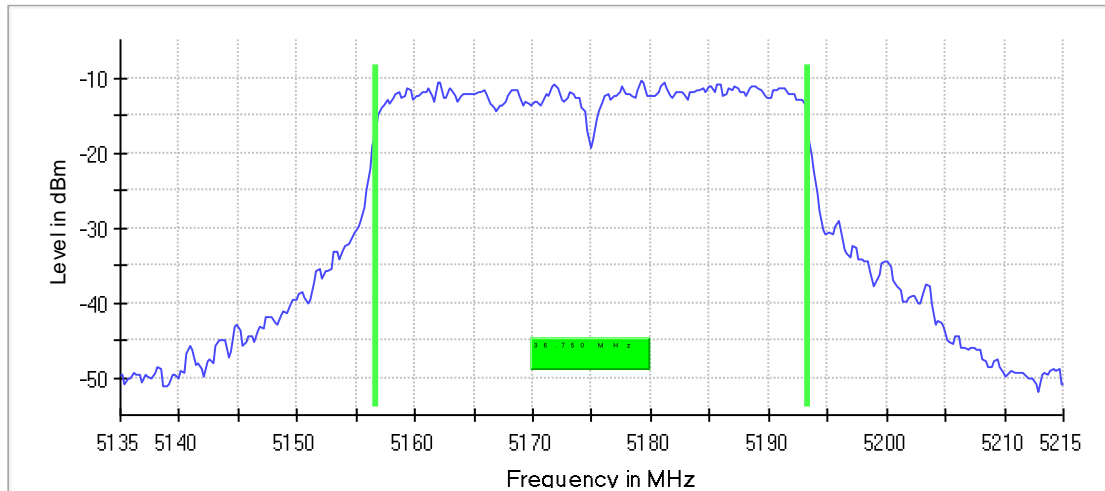
Setting	Instrument Value	Target Value
Start Frequency	5.15500 GHz	5.15500 GHz
Stop Frequency	5.19500 GHz	5.19500 GHz
Span	40.000 MHz	40.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 80
SweepTime	2.020 ms	2.020 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 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% (5175 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)
5175.000000	36.750000	---	---	5156.625000	5193.375000

DUT Frequency (MHz)	Result
5175.00000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.13500 GHz	5.13500 GHz
Stop Frequency	5.21500 GHz	5.21500 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
Sweptime	18.906 μ s	AUTO
Reference Level	-5.000 dBm	-5.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak

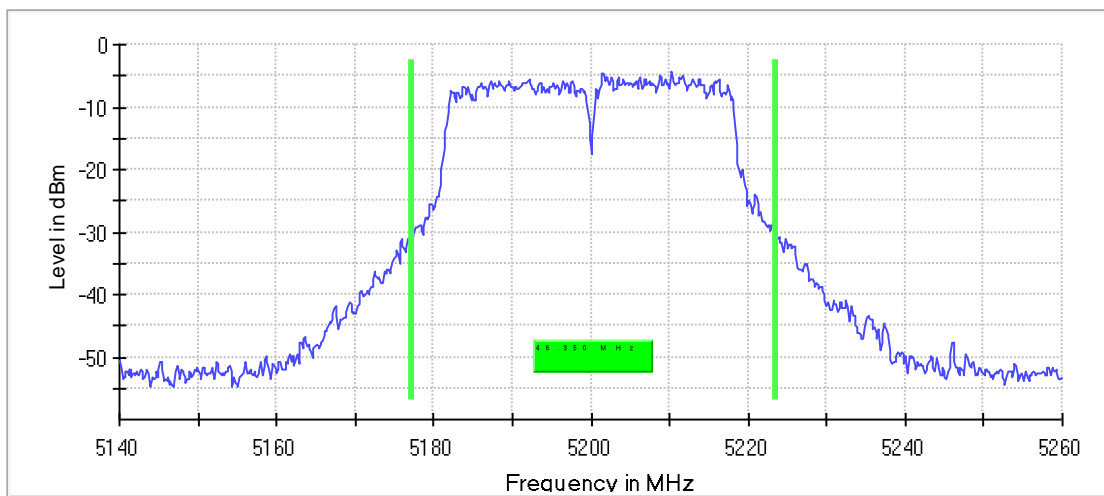
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

Emission Bandwidth 26 dB (5200 MHz; 24.000 dBm; 40 MHz)

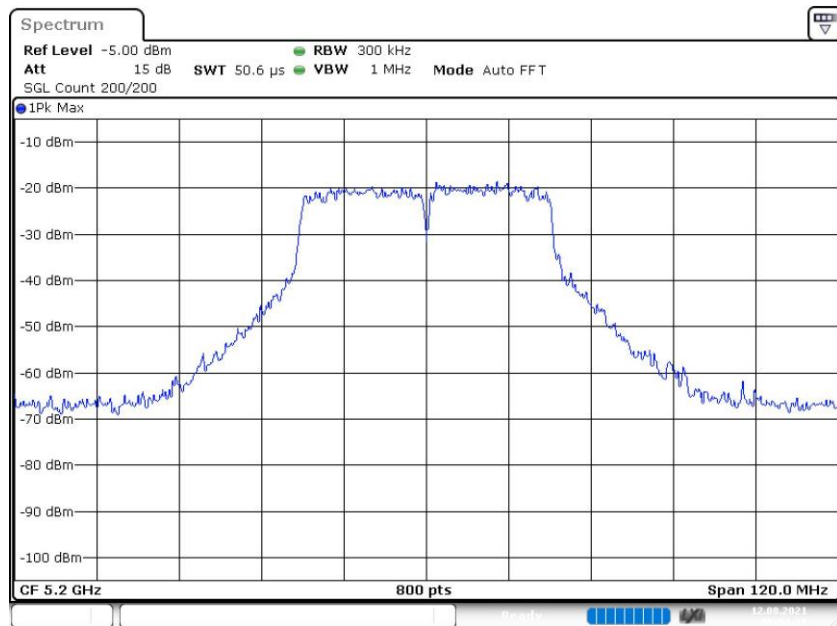
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	46.350000	---	---	5177.275000	5223.625000

DUT Frequency (MHz)	Max Level (dBm)	Result
5200.000000	-4.4	PASS



Bandwidth



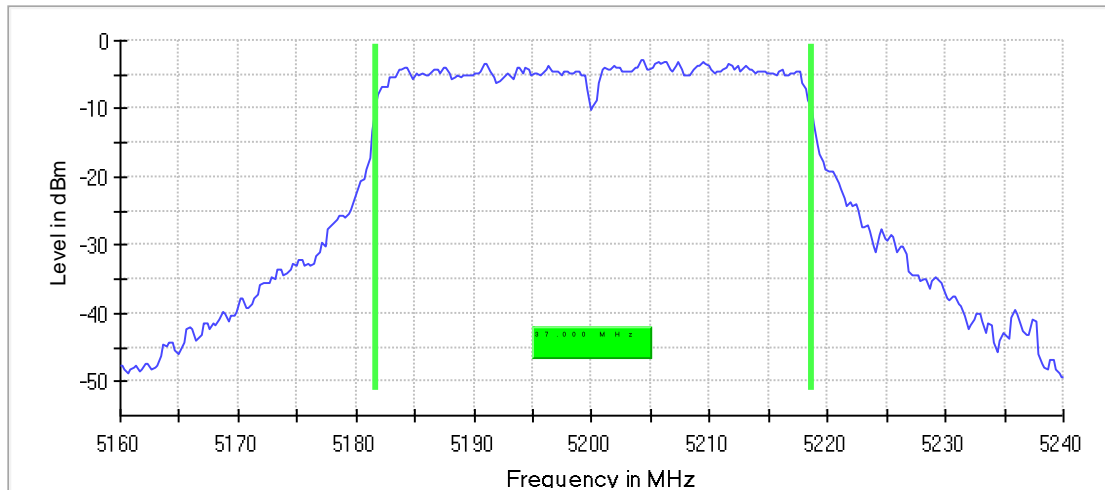
Date: 12.AUG.2021 09:54:52

Occupied Channel Bandwidth 99% (5200 MHz; 24.000 dBm; 40 MHz)

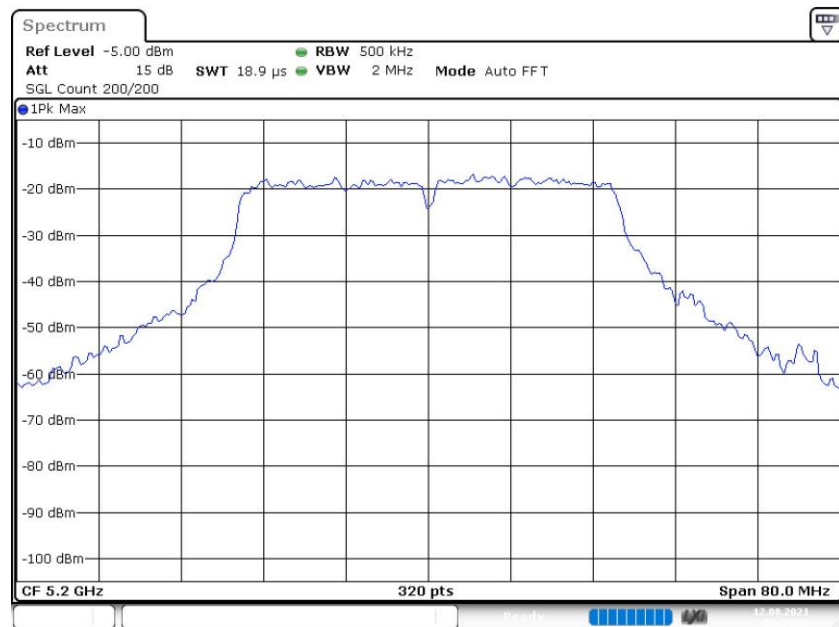
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	37.000000	---	---	5181.625000	5218.625000

DUT Frequency (MHz)	Result
5200.000000	PASS



Bandwidth

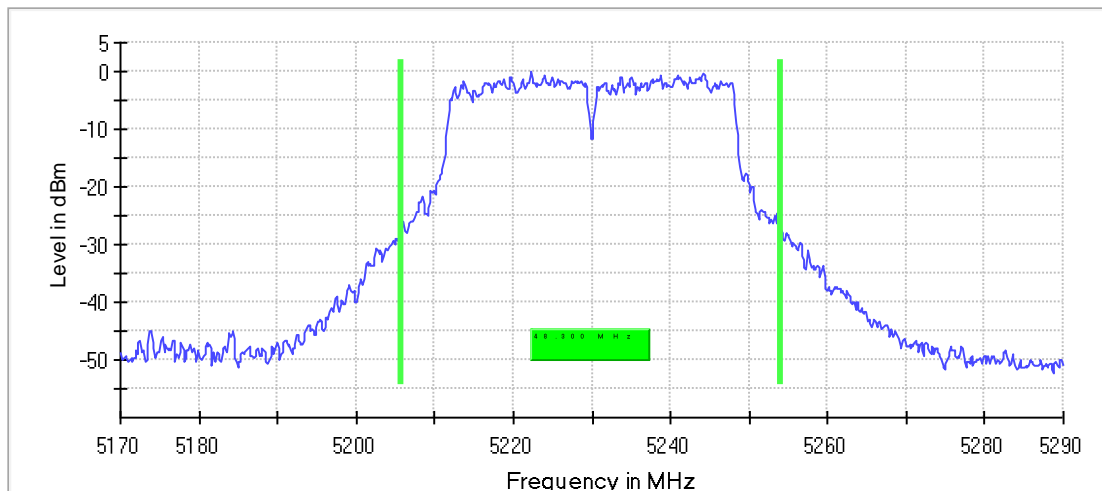


Emission Bandwidth 26 dB (5230 MHz; 24.000 dBm; 40 MHz)

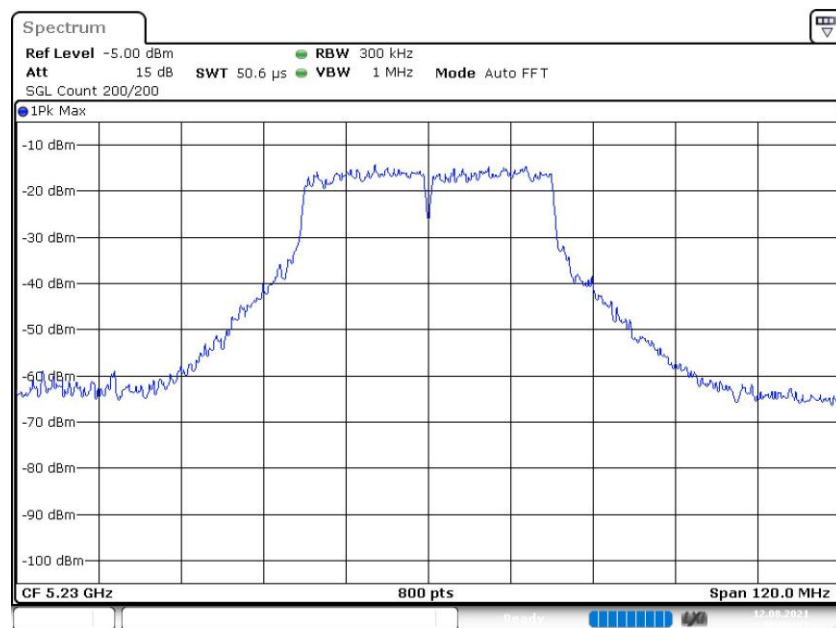
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5230.000000	48.300000	---	---	5205.775000	5254.075000

DUT Frequency (MHz)	Max Level (dBm)	Result
5230.000000	-0.2	PASS



Bandwidth



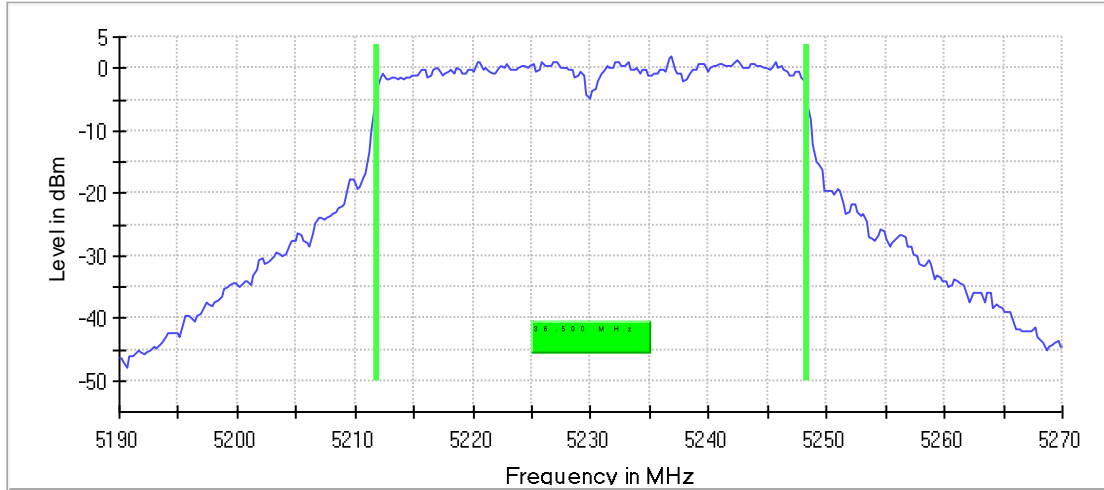
Occupied Channel Bandwidth 99% (5230 MHz; 24.000 dBm; 40 MHz)

99 % Bandwidth

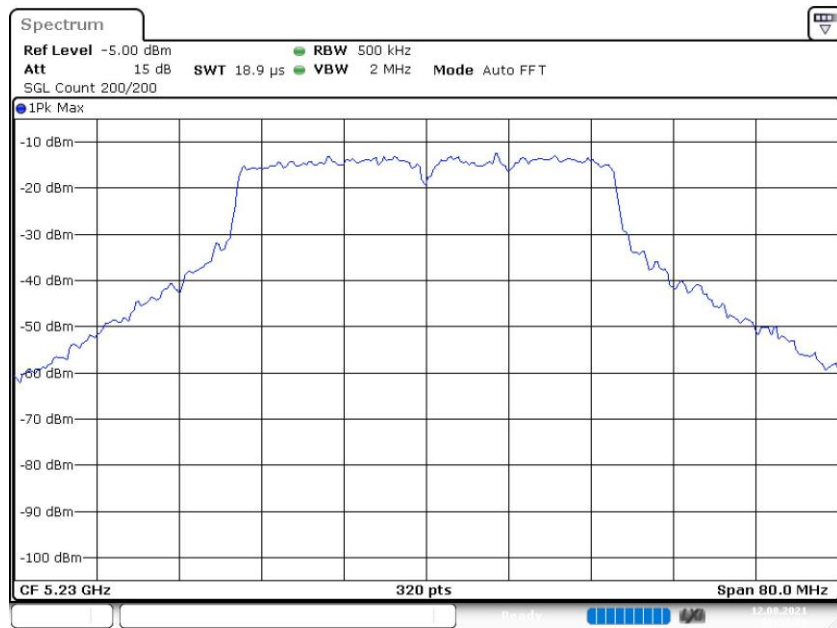
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5230.000000	48.300000	---	---	5205.775000	5254.075000

5230.000000	36.500000	---	---	5211.875000	5248.375000
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DUT Frequency (MHz)	Result
5230.000000	PASS



Bandwidth



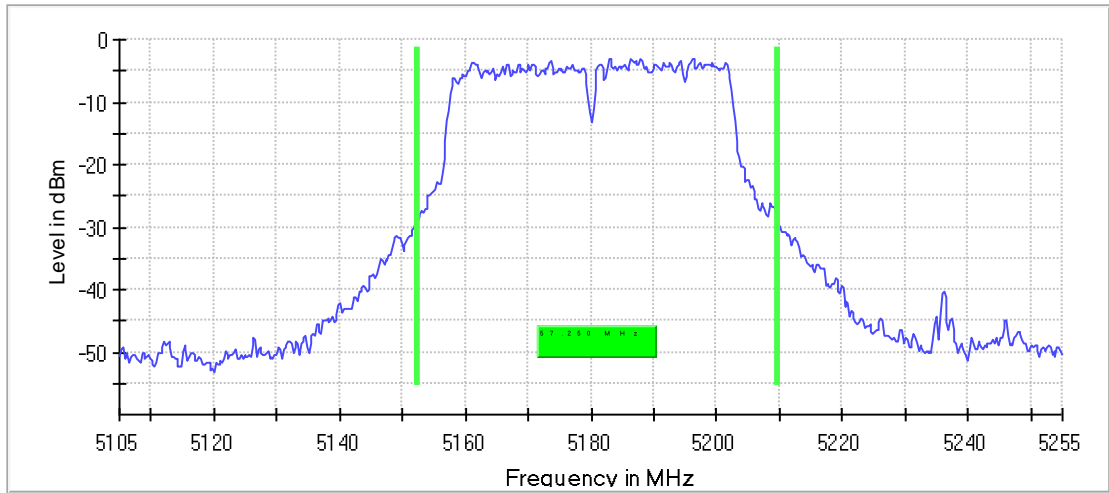
Emission Bandwidth 26 dB (5180 MHz; 24.000 dBm; 50 MHz)

26 dB Bandwidth

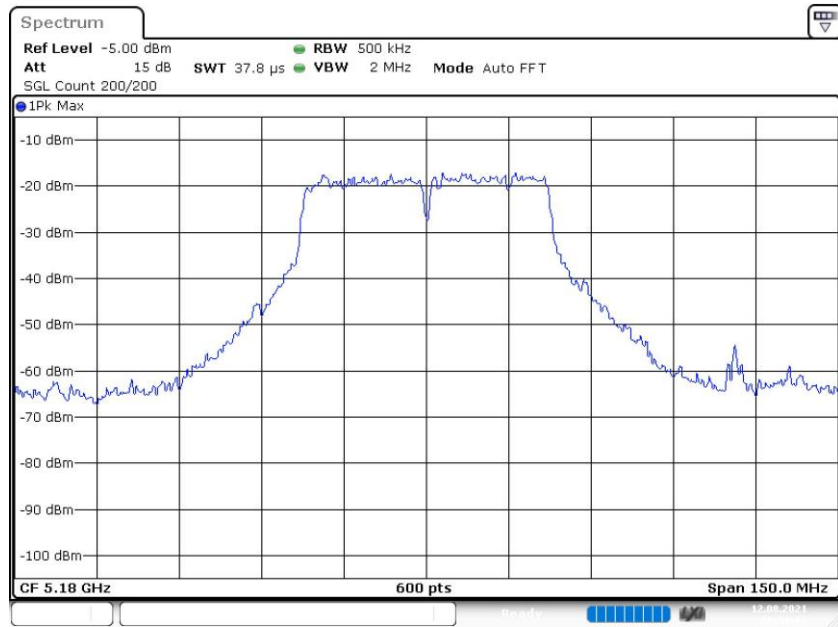
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5180.000000	57.250000	---	---	5152.375000	5209.625000

DUT Frequency (MHz)	Max Level (dBm)	Result
5180.000000	24.000	PASS

5180.000000	-3.1	PASS
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Bandwidth



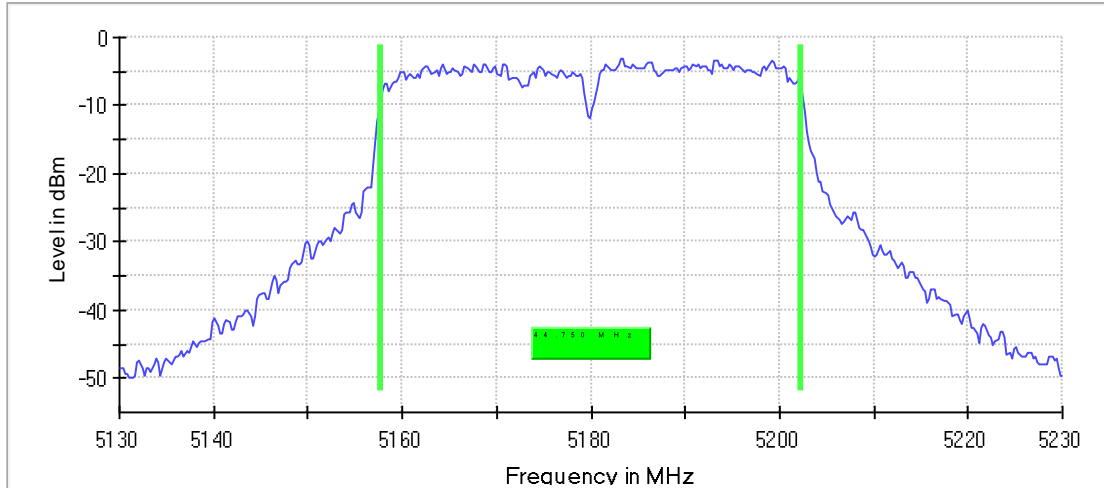
Date: 12.AUG.2021 09:58:33

Occupied Channel Bandwidth 99% (5180 MHz; 24.000 dBm; 50 MHz)

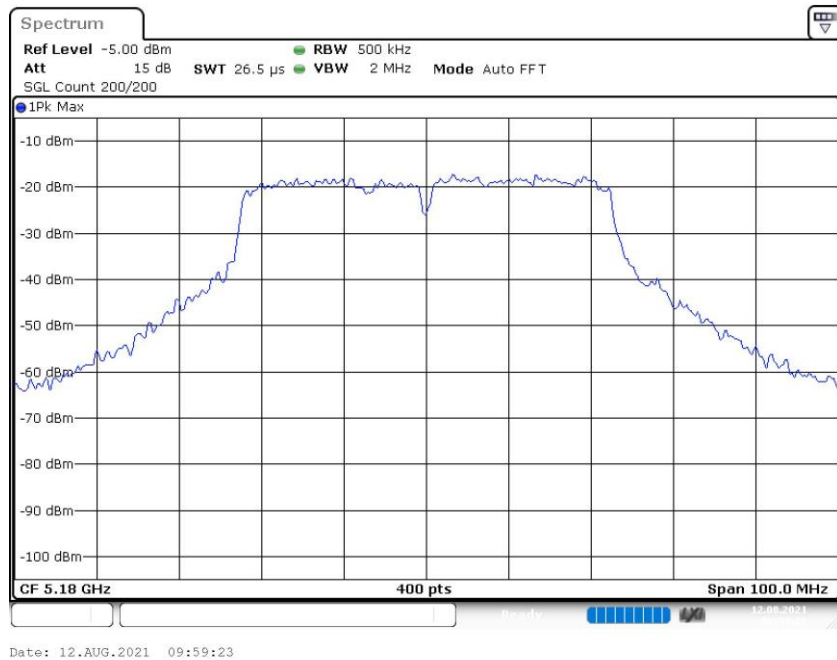
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5180.000000	44.750000	---	---	5157.625000	5202.375000

DUT Frequency (MHz)	Result
5180.000000	PASS



Bandwidth

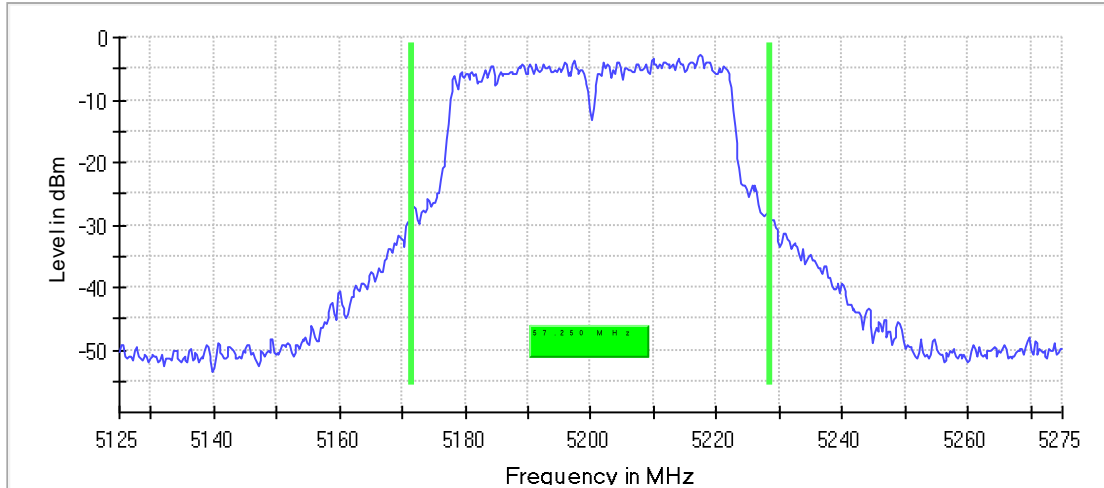


Emission Bandwidth 26 dB (5200 MHz; 24.000 dBm; 50 MHz)

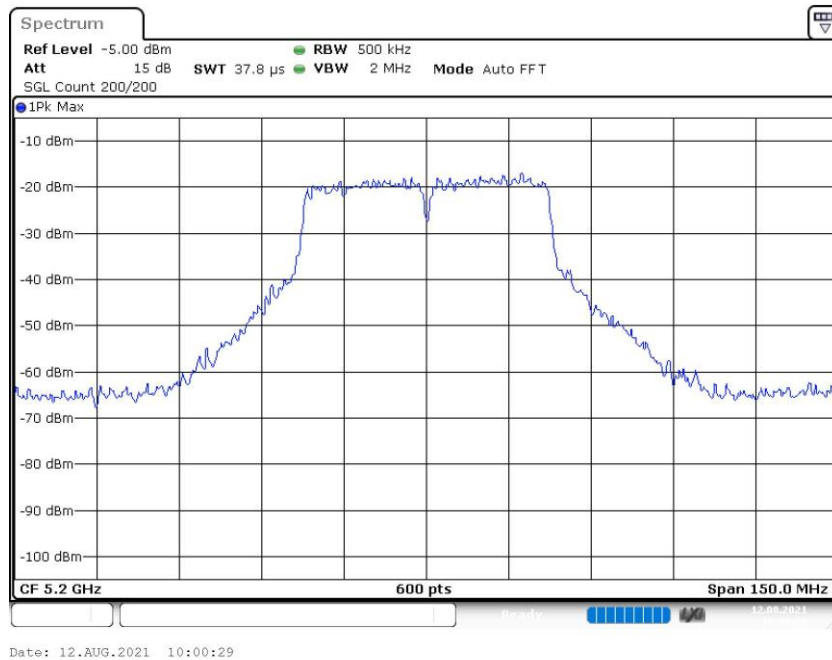
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	57.250000	---	---	5171.375000	5228.625000

DUT Frequency (MHz)	Max Level (dBm)	Result
5200.000000	-2.8	PASS



Bandwidth

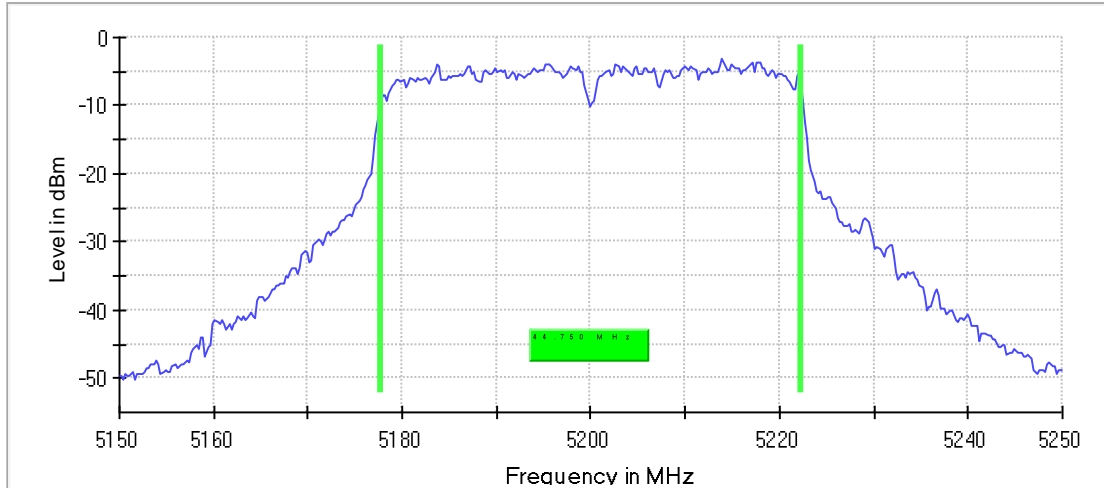


Occupied Channel Bandwidth 99% (5200 MHz; 24.000 dBm; 50 MHz)

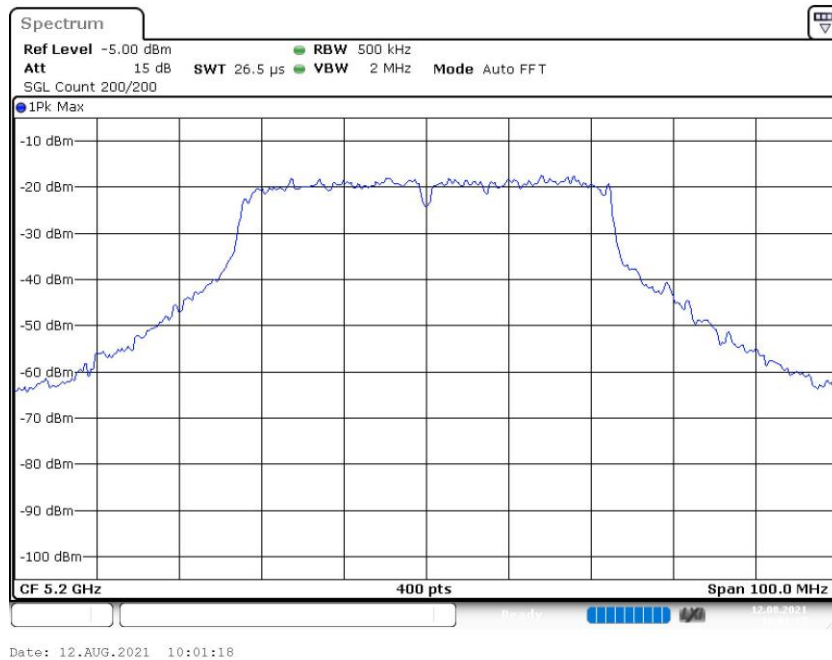
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	44.750000	---	---	5177.625000	5222.375000

DUT Frequency (MHz)	Result
5200.000000	PASS



Bandwidth

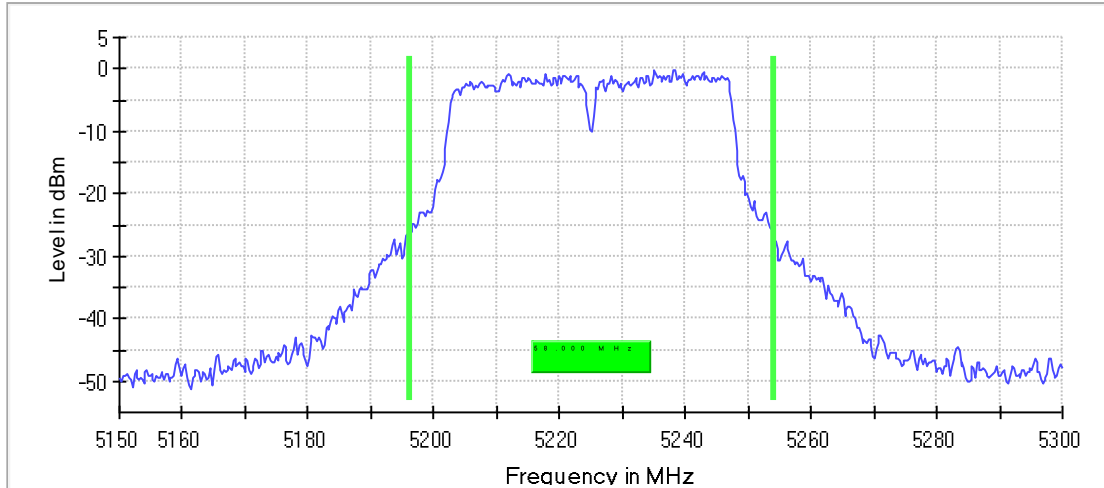


Emission Bandwidth 26 dB (5225 MHz; 24.000 dBm; 50 MHz)

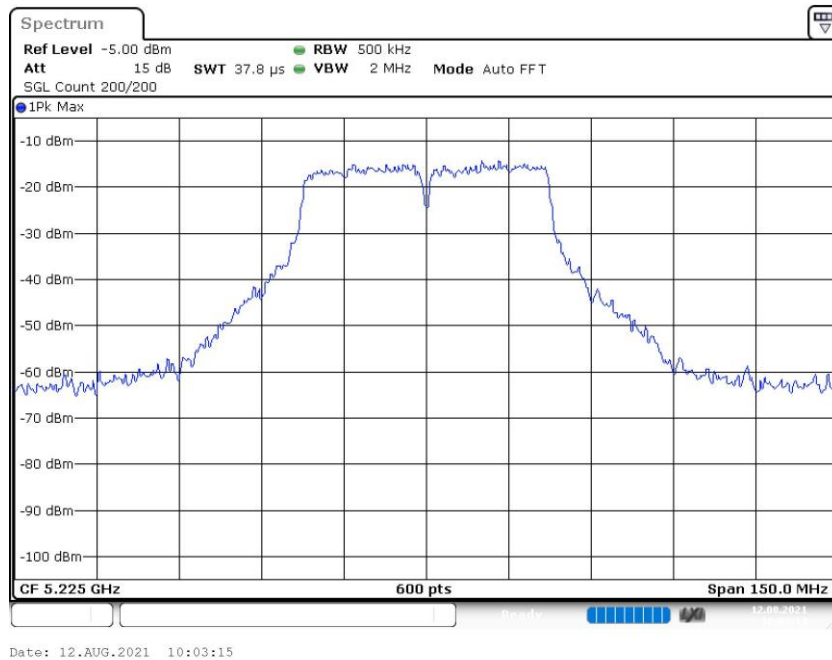
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5225.000000	58.000000	---	---	5196.125000	5254.125000

DUT Frequency (MHz)	Max Level (dBm)	Result
5225.000000	-0.1	PASS



Bandwidth

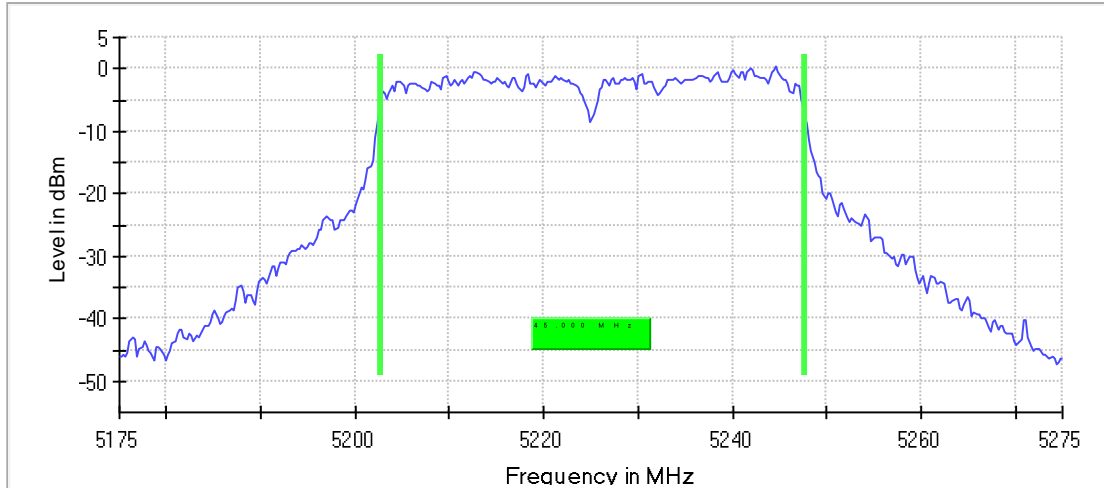


Occupied Channel Bandwidth 99% (5225 MHz; 24.000 dBm; 50 MHz)

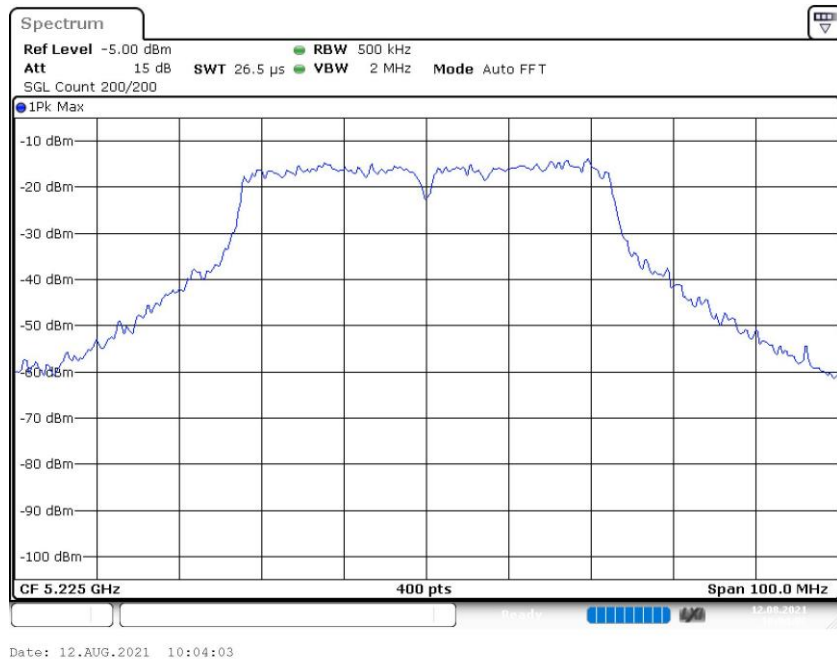
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5225.000000	45.000000	---	---	5202.625000	5247.625000

DUT Frequency (MHz)	Result
5225.000000	PASS



Bandwidth

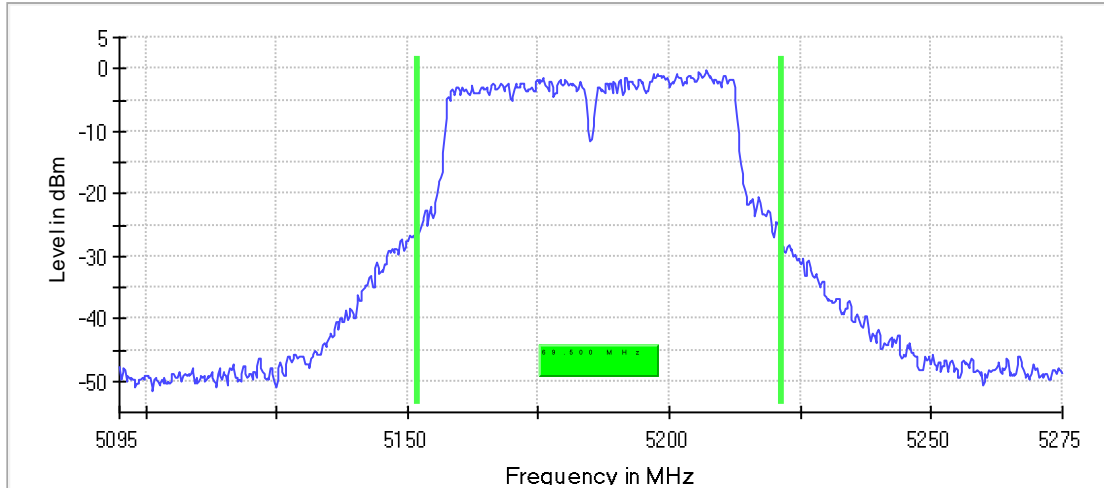


Emission Bandwidth 26 dB (5185 MHz; 24.000 dBm; 60 MHz)

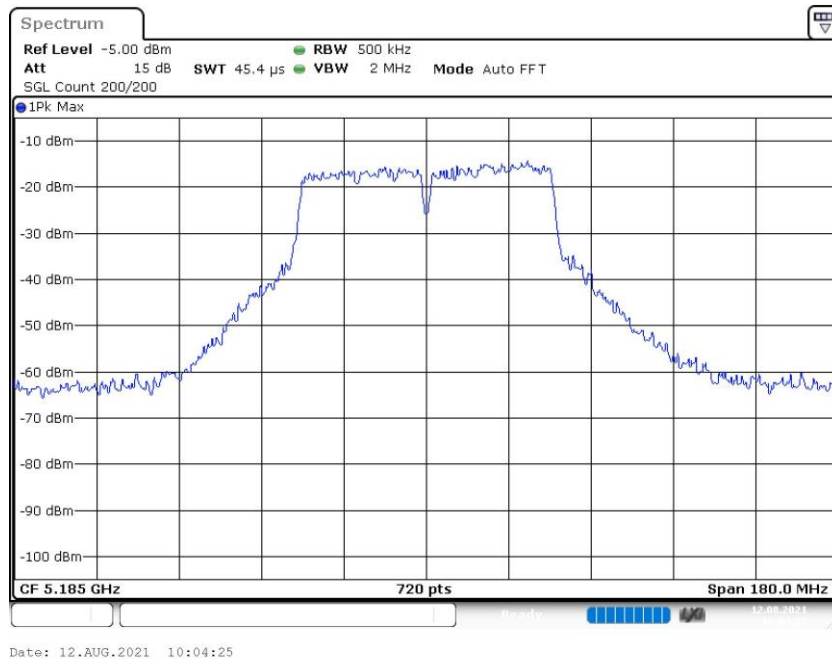
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5185.000000	69.500000	---	---	5151.875000	5221.375000

DUT Frequency (MHz)	Max Level (dBm)	Result
5185.000000	-0.1	PASS



Bandwidth

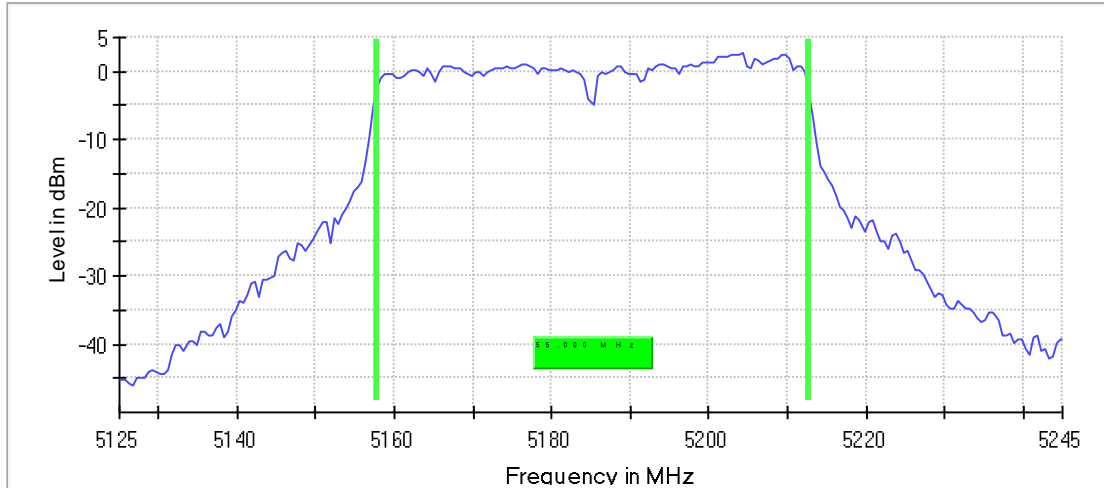


Occupied Channel Bandwidth 99% (5185 MHz; 24.000 dBm; 60 MHz)

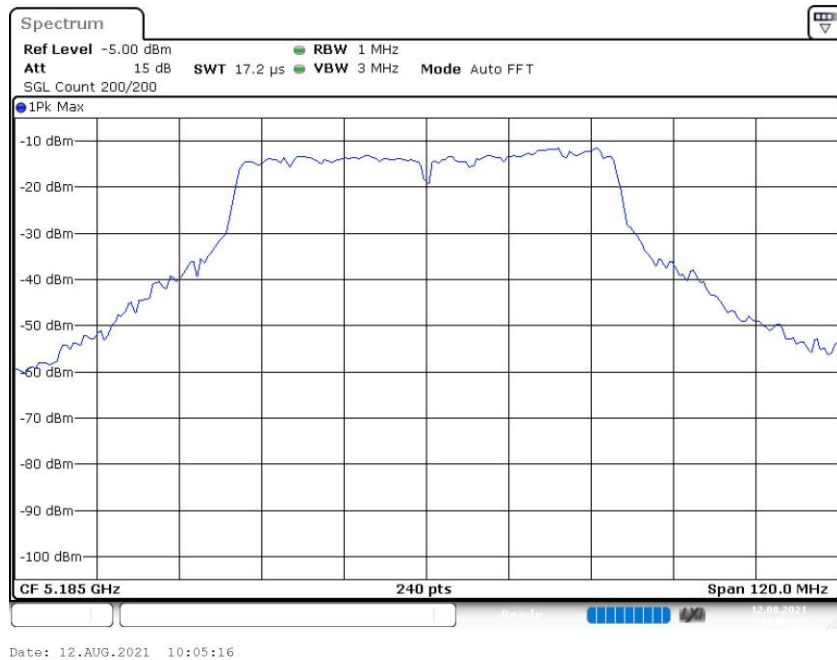
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5185.000000	55.000000	---	---	5157.750000	5212.750000

DUT Frequency (MHz)	Result
5185.000000	PASS



Bandwidth

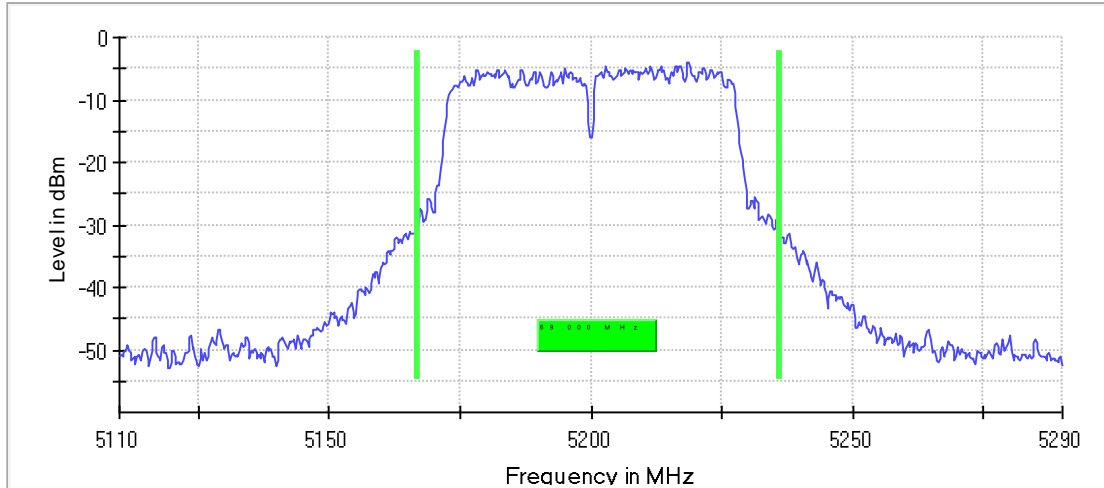


Emission Bandwidth 26 dB (5200 MHz; 24.000 dBm; 60 MHz)

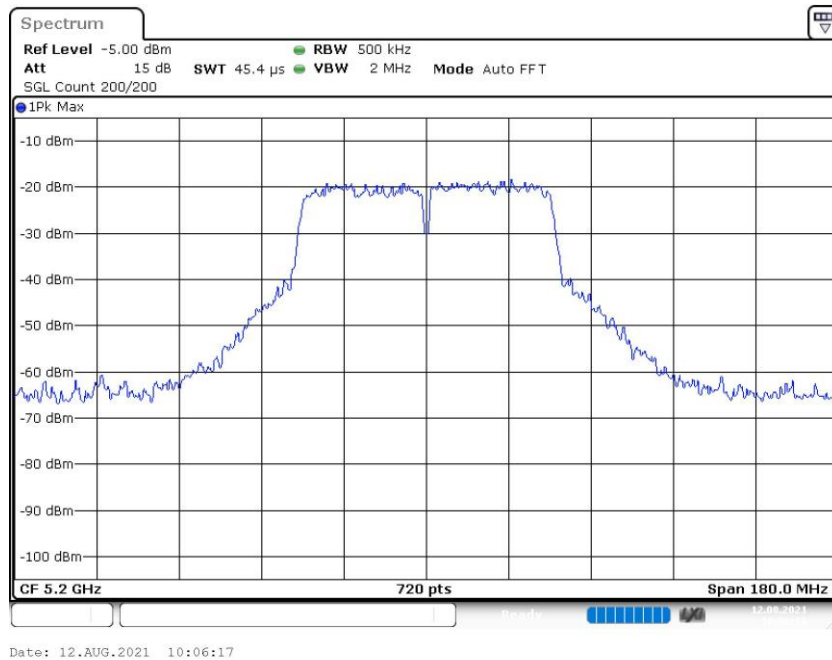
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	69.000000	---	---	5166.875000	5235.875000

DUT Frequency (MHz)	Max Level (dBm)	Result
5200.000000	-4.0	PASS



Bandwidth

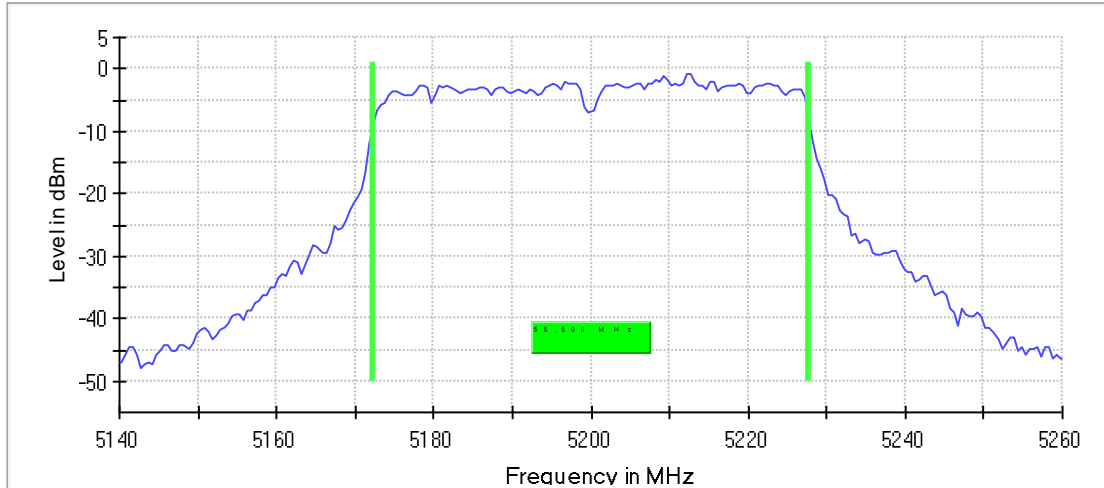


Occupied Channel Bandwidth 99% (5200 MHz; 24.000 dBm; 60 MHz)

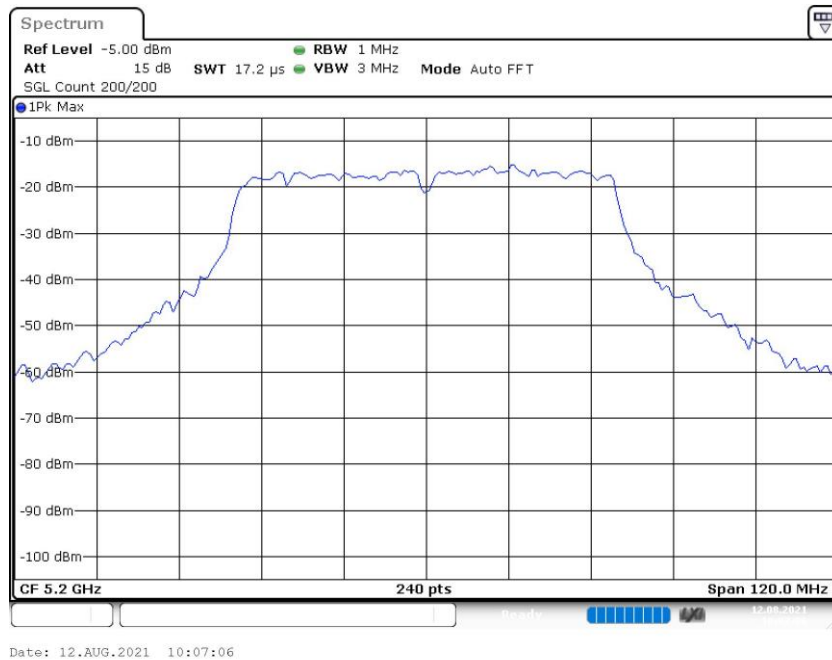
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	55.500000	---	---	5172.250000	5227.750000

DUT Frequency (MHz)	Result
5200.000000	PASS



Bandwidth

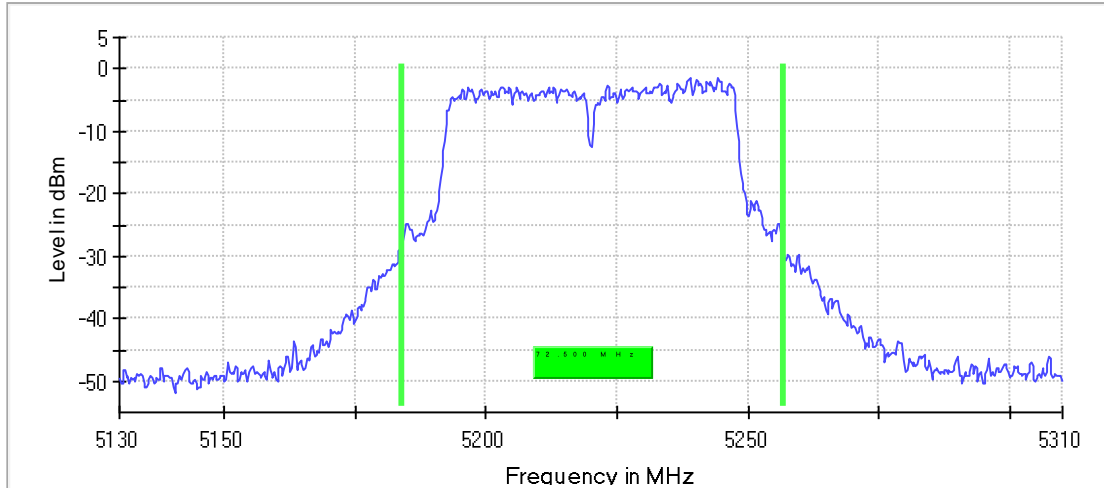


Emission Bandwidth 26 dB (5220 MHz; 24.000 dBm; 60 MHz)

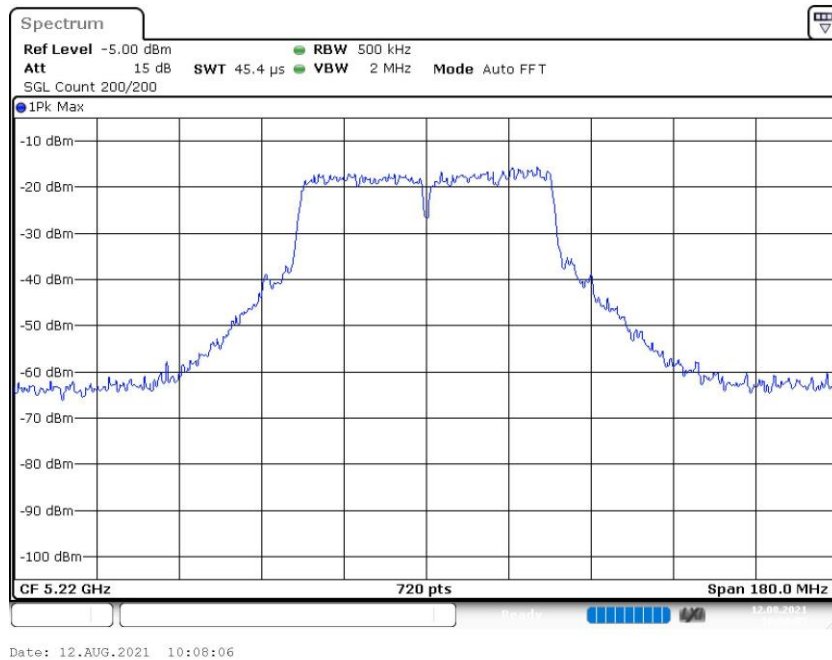
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5220.000000	72.500000	---	---	5184.125000	5256.625000

DUT Frequency (MHz)	Max Level (dBm)	Result
5220.000000	-1.4	PASS



Bandwidth

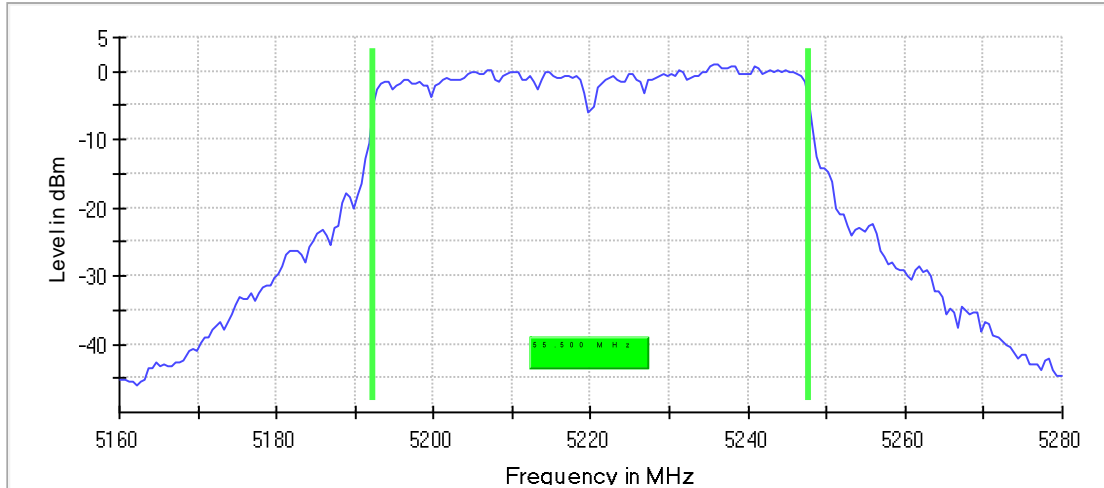


Occupied Channel Bandwidth 99% (5220 MHz; 24.000 dBm; 60 MHz)

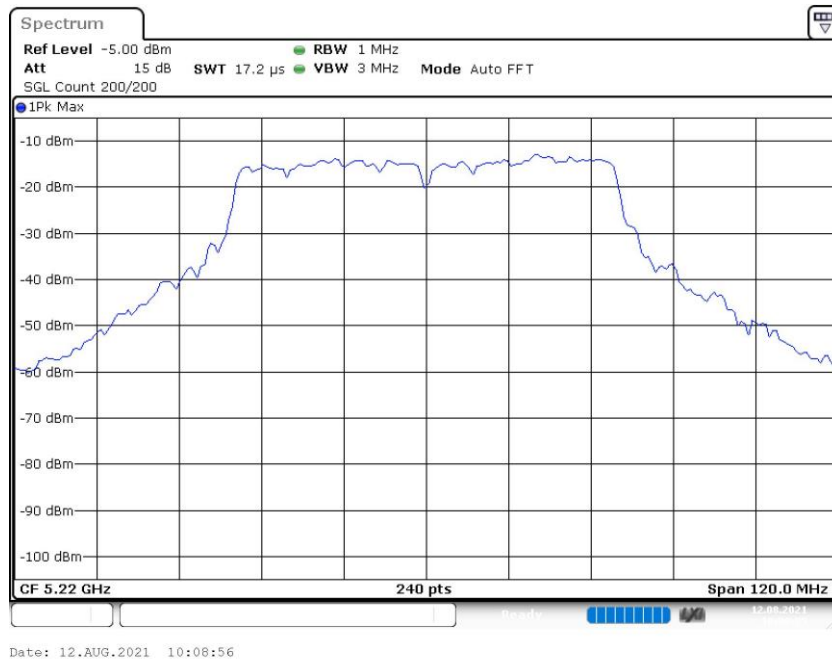
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5220.000000	55.500000	---	---	5192.250000	5247.750000

DUT Frequency (MHz)	Result
5220.000000	PASS



Bandwidth

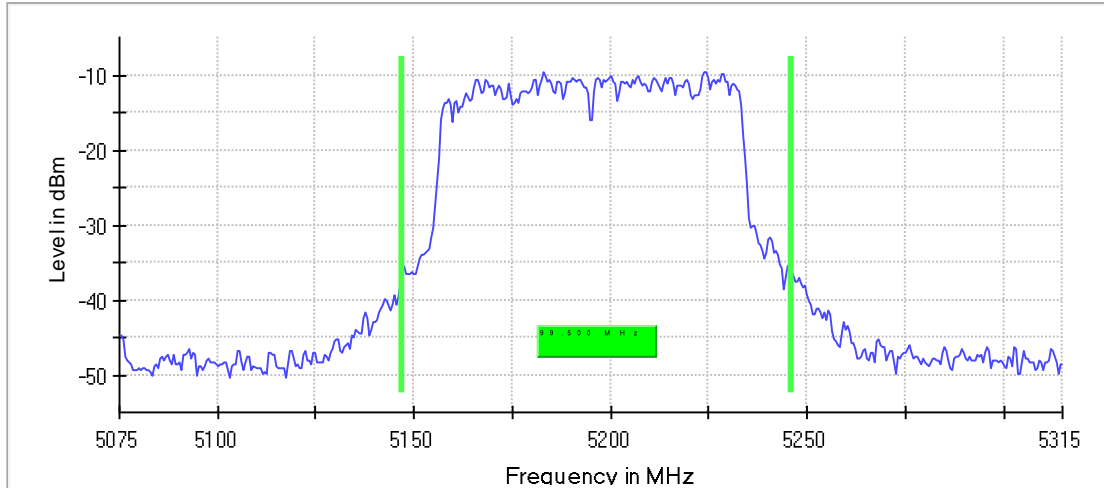


Emission Bandwidth 26 dB (5195 MHz; 24.000 dBm; 80 MHz)

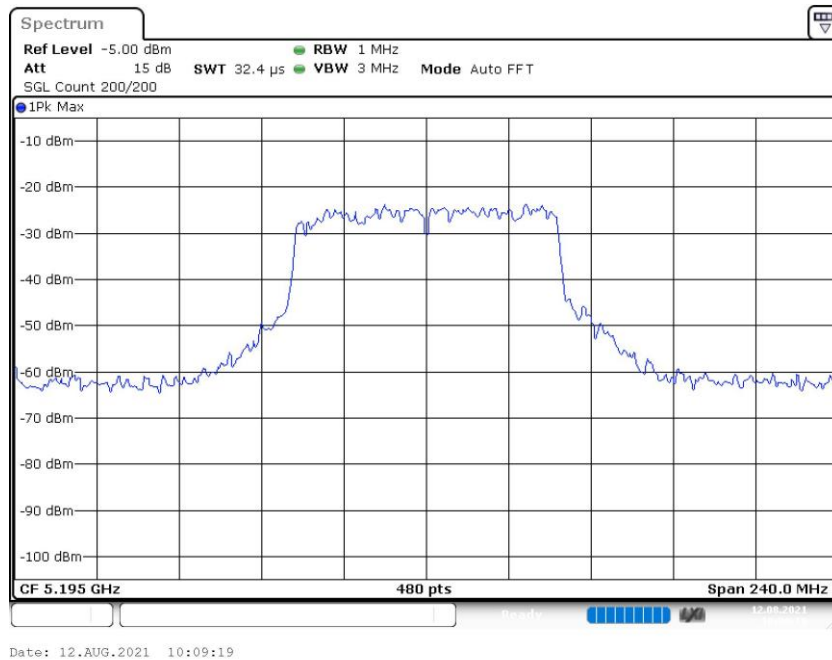
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5195.000000	99.500000	---	---	5146.750000	5246.250000

DUT Frequency (MHz)	Max Level (dBm)	Result
5195.000000	-9.6	PASS



Bandwidth

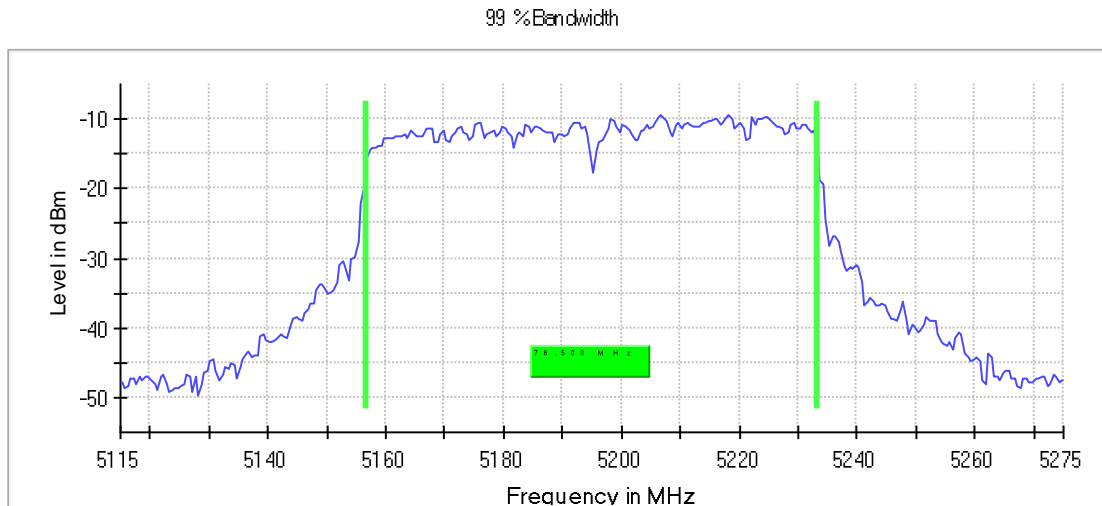


Occupied Channel Bandwidth 99% (5195 MHz; 24.000 dBm; 80 MHz)

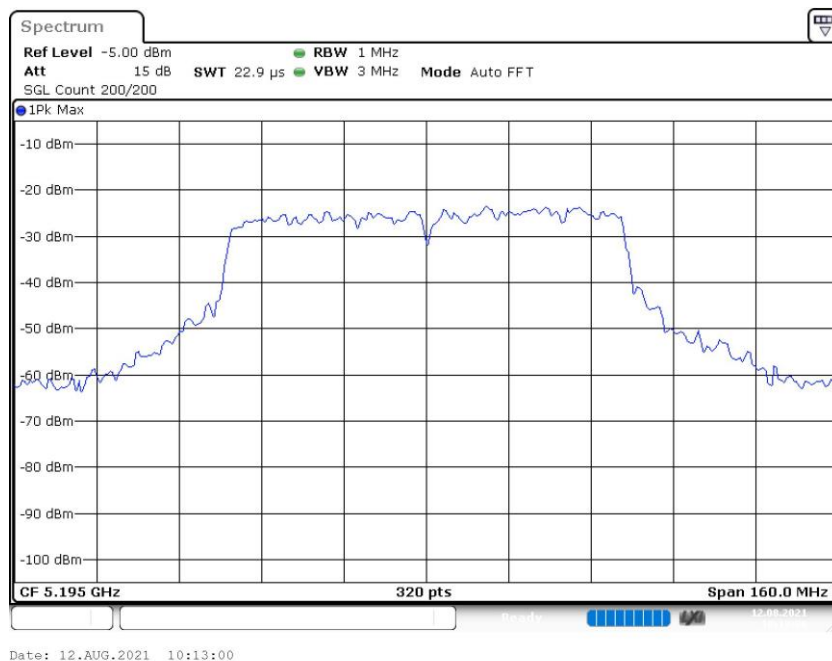
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5195.000000	76.500000	---	---	5156.750000	5233.250000

DUT Frequency (MHz)	Result
5195.000000	PASS



Bandwidth



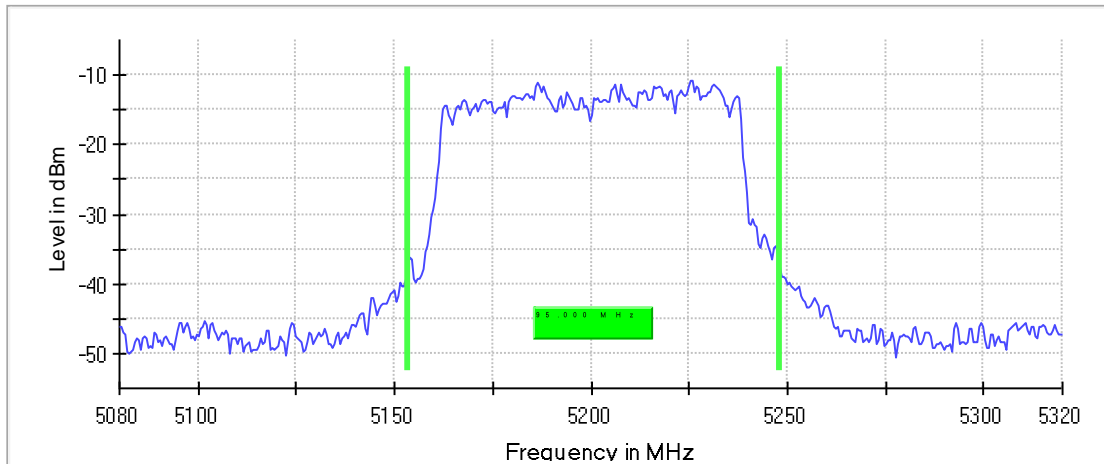
Emission Bandwidth 26 dB (5200 MHz; 24.000 dBm; 80 MHz)

26 dB Bandwidth

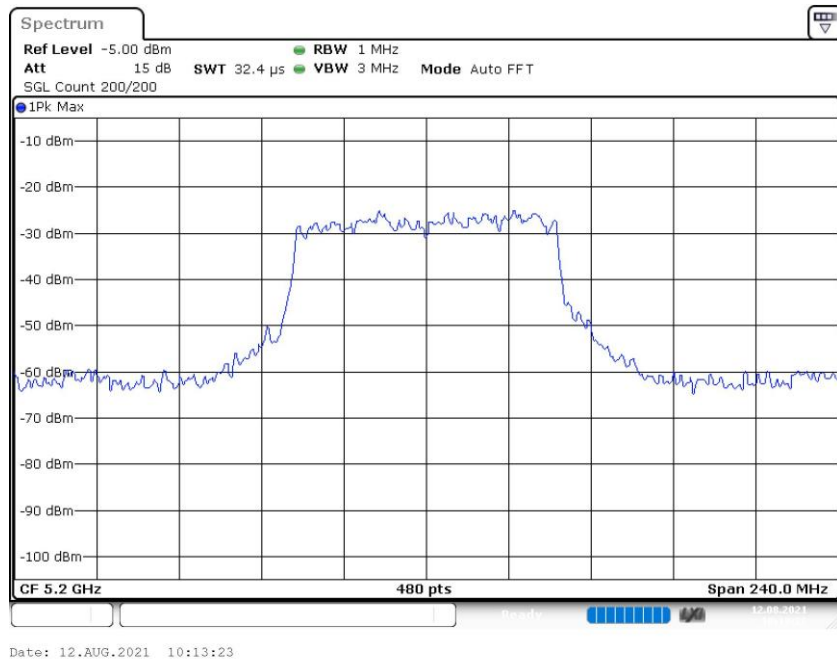
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	95.000000	---	---	5153.250000	5248.250000

DUT Frequency (MHz)	Max Level (dBm)	Result
5200.000000	-10.8	PASS

26 dB Bandwidth



Bandwidth



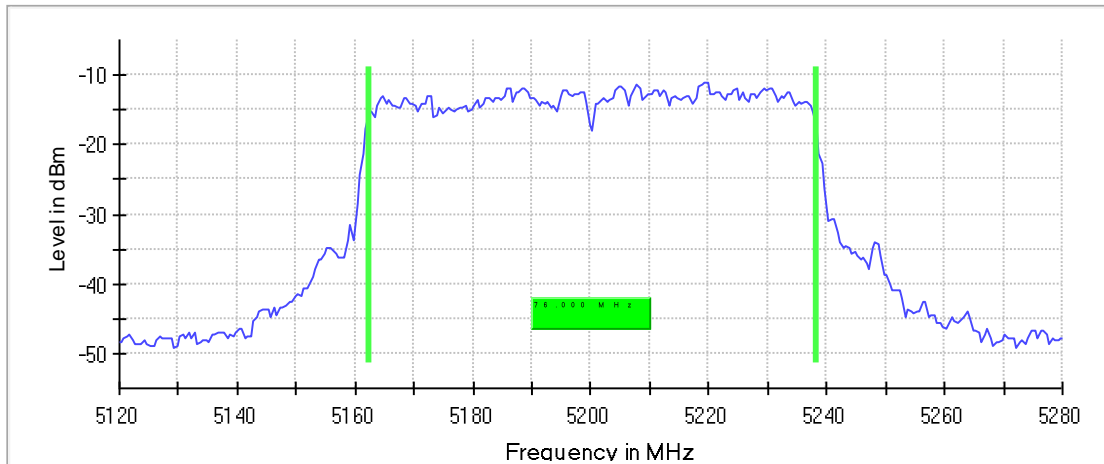
Occupied Channel Bandwidth 99% (5200 MHz; 24.000 dBm; 80 MHz)

99 % Bandwidth

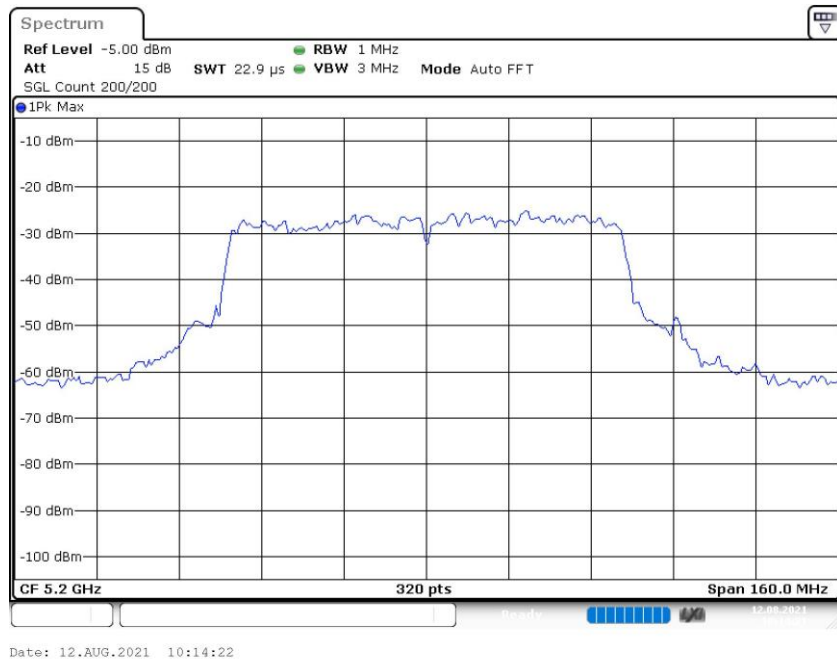
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	76.000000	---	---	5162.250000	5238.250000

DUT Frequency (MHz)	Result
5200.000000	PASS

99 %Bandwidth



Bandwidth



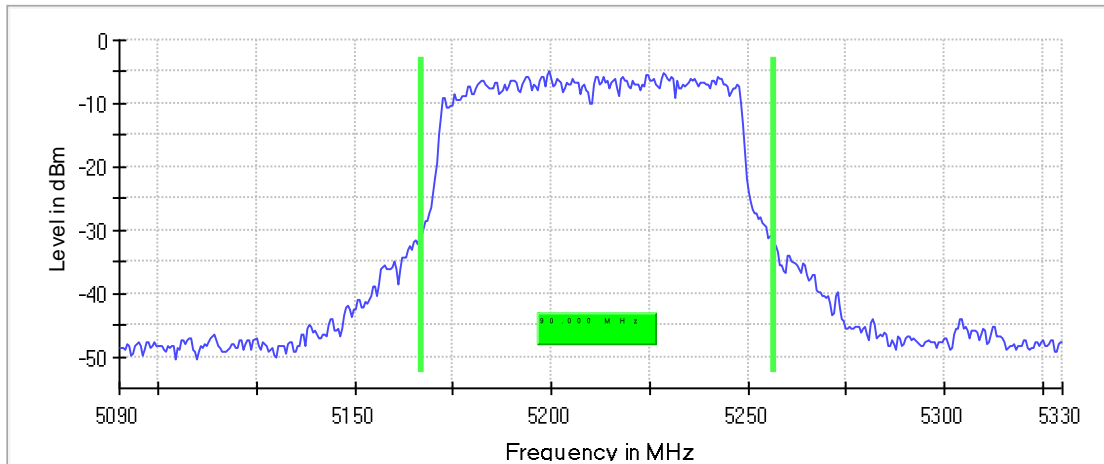
Emission Bandwidth 26 dB (5210 MHz; 24.000 dBm; 80 MHz)

26 dB Bandwidth

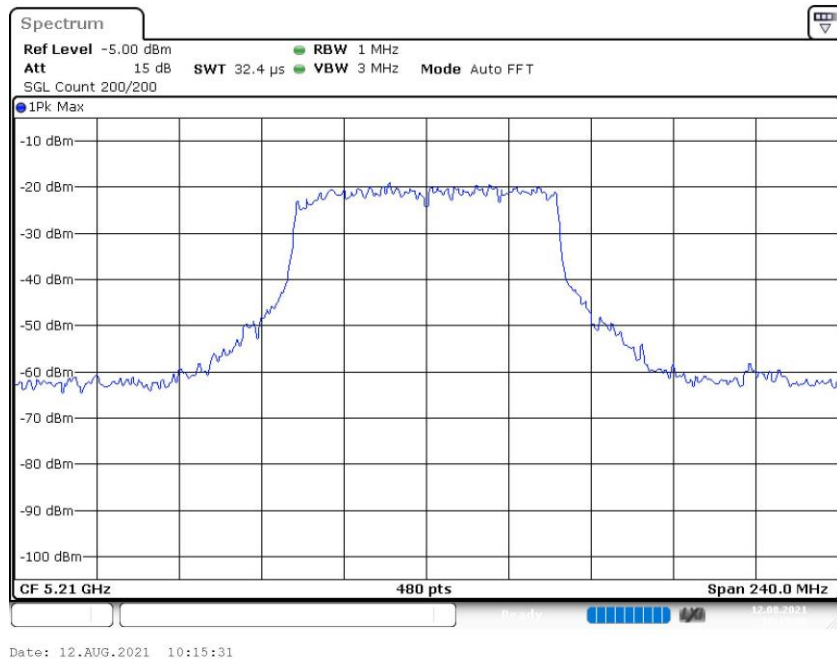
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5210.000000	90.000000	---	---	5166.750000	5256.750000

DUT Frequency (MHz)	Max Level (dBm)	Result
5210.000000	-4.8	PASS

26 dB Bandwidth



Bandwidth



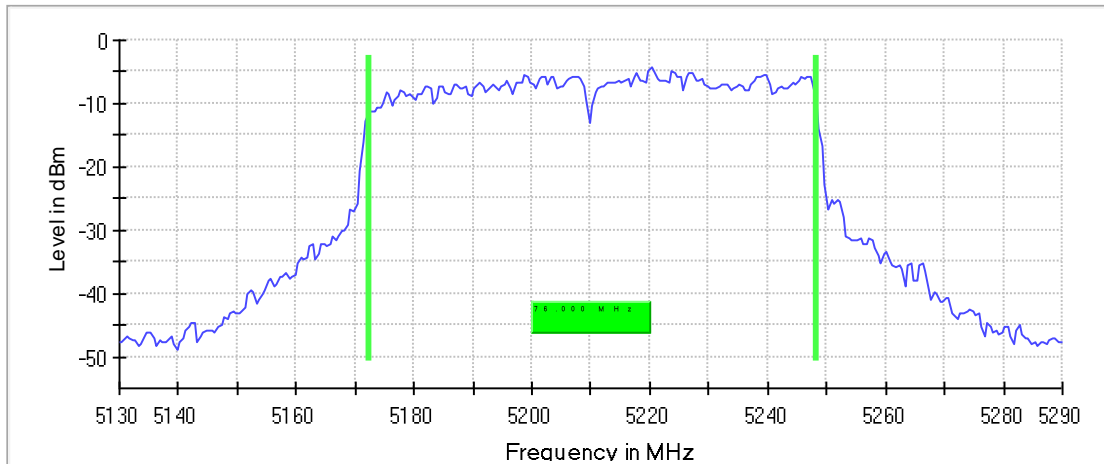
Occupied Channel Bandwidth 99% (5210 MHz; 24.000 dBm; 80 MHz)

99 % Bandwidth

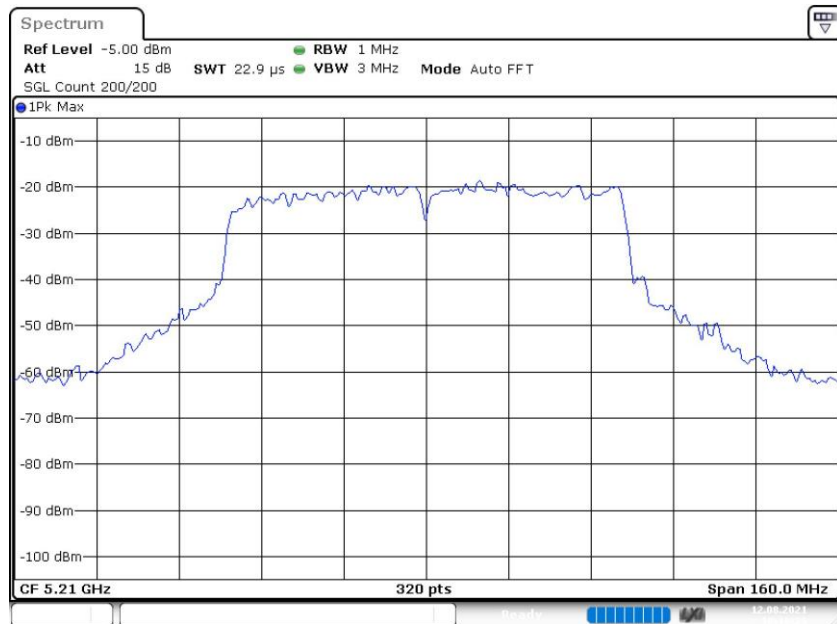
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5210.000000	76.000000	---	---	5172.250000	5248.250000

DUT Frequency (MHz)	Result
5210.000000	PASS

99 %Bandwidth



Bandwidth



Date: 12.AUG.2021 10:16:24