

U6-Extender UNII-2c Annex

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
Emission Bandwidth 26 dB	5500.000	30.0	20.000000	PASS
RF output power	5500.000	30.0	20.000000	PASS
Power Spectral Density	5500.000	30.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5500.000	30.0	20.000000	PASS
Emission Bandwidth 26 dB	5600.000	30.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5600.000	30.0	20.000000	PASS
Emission Bandwidth 26 dB	5720.000	30.0	20.000000	PASS
Occupied Channel Bandwidth 99%	5720.000	30.0	20.000000	PASS
Emission Bandwidth 26 dB	5510.000	30.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5510.000	30.0	40.000000	PASS
Emission Bandwidth 26 dB	5590.000	30.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5590.000	30.0	40.000000	PASS
Emission Bandwidth 26 dB	5710.000	30.0	40.000000	PASS
Occupied Channel Bandwidth 99%	5710.000	30.0	40.000000	PASS
Emission Bandwidth 26 dB	5530.000	30.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5530.000	30.0	80.000000	PASS
Emission Bandwidth 26 dB	5610.000	30.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5610.000	30.0	80.000000	PASS
Emission Bandwidth 26 dB	5690.000	30.0	80.000000	PASS
Occupied Channel Bandwidth 99%	5690.000	30.0	80.000000	PASS
Emission Bandwidth 26 dB	5570.000	30.0	160.000000	PASS
Occupied Channel Bandwidth 99%	5570.000	30.0	160.000000	PASS

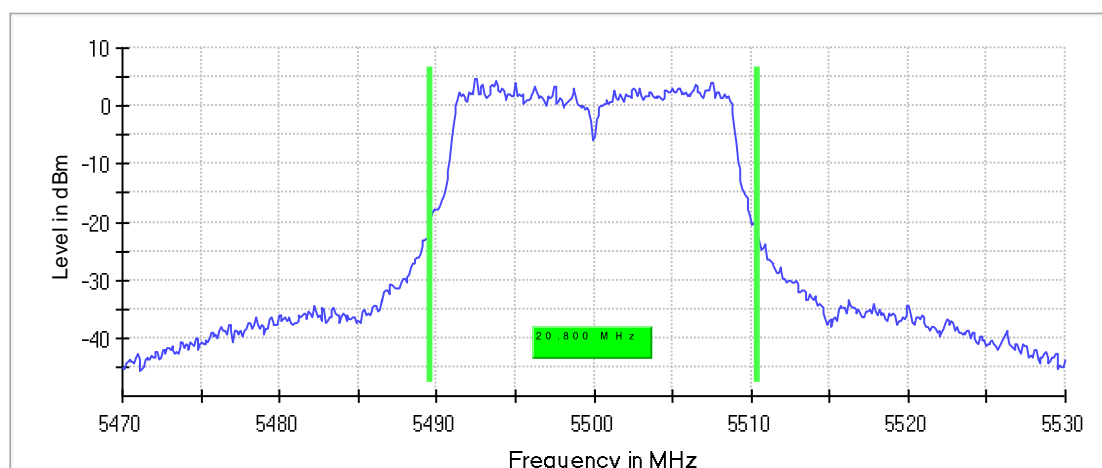
Emission Bandwidth 26 dB (5500 MHz; 30.000 dBm; 20 MHz)

26 dB Bandwidth

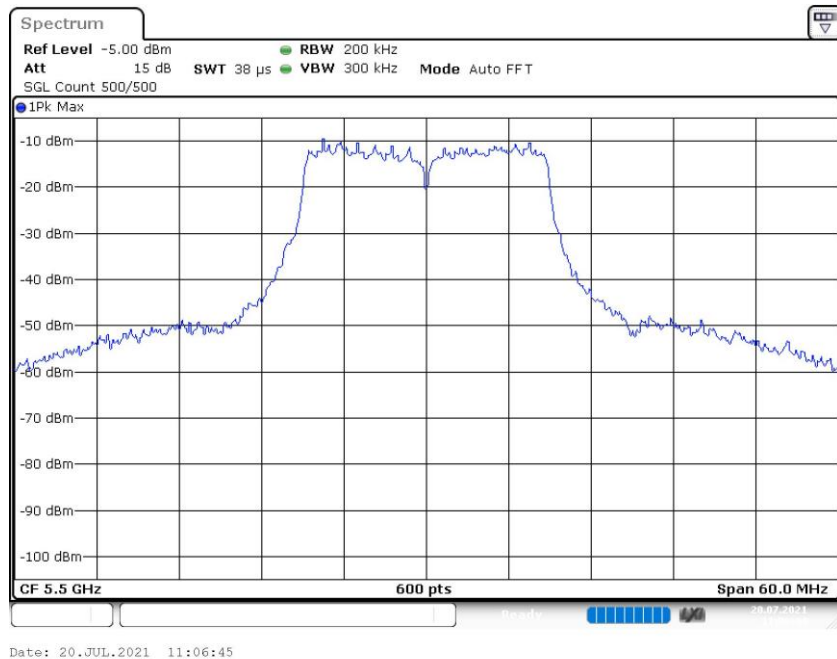
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5500.000000	20.800000	---	---	5489.550000	5510.350000

DUT Frequency (MHz)	Max Level (dBm)	Result
5500.000000	4.8	PASS

26 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.47000 GHz	5.47000 GHz
Stop Frequency	5.53000 GHz	5.53000 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 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 (5500 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5500.000000	23.8	24.0	23.8	85.690	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 (5500 MHz; 30.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5500.000000	5507.722772	8.382	11.0	PASS

Ports

Port	State
1	used
2	used
3	used
4	used

Measurement

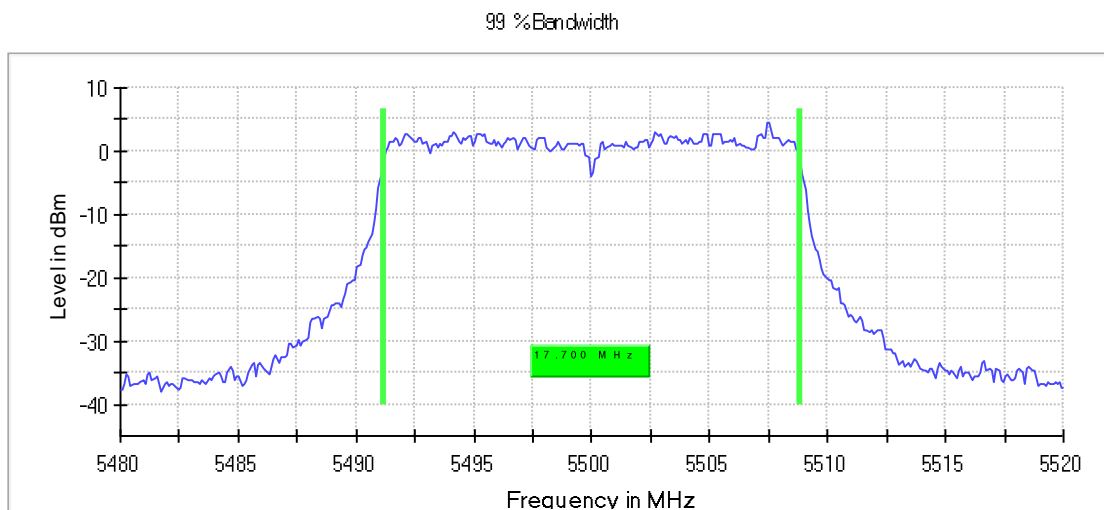
Setting	Instrument Value	Target Value
Start Frequency	5.49000 GHz	5.49000 GHz
Stop Frequency	5.51000 GHz	5.51000 GHz
Span	20.000 MHz	20.000 MHz
RBW	1.000 MHz	<= 1.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	101	~ 40
SweepTime	2.020 ms	2.020 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	FFT	AUTO
Preamp	off	off

Occupied Channel Bandwidth 99% (5500 MHz; 30.000 dBm; 20 MHz)

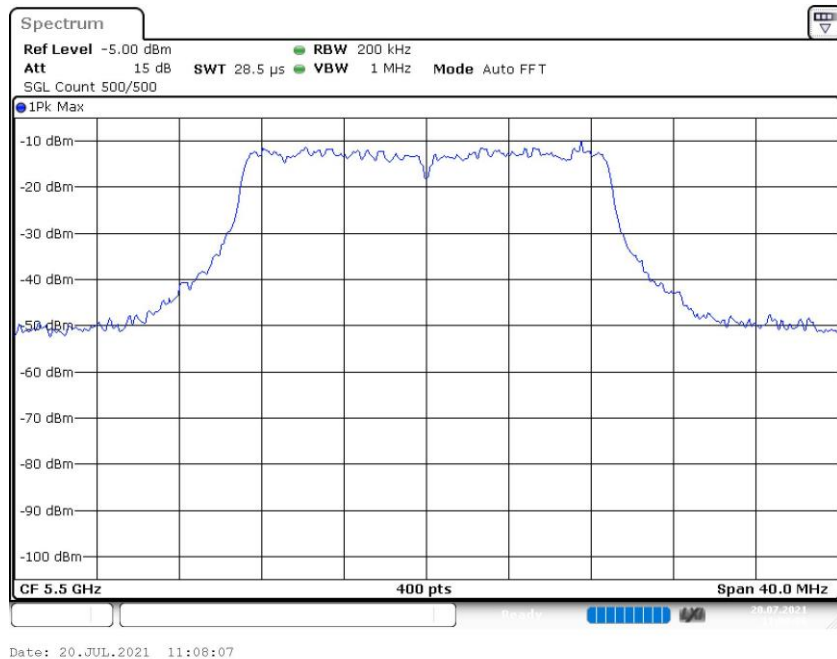
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5500.000000	17.700000	---	---	5491.150000	5508.850000

DUT Frequency (MHz)	Result
5500.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.48000 GHz	5.48000 GHz
Stop Frequency	5.52000 GHz	5.52000 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	-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

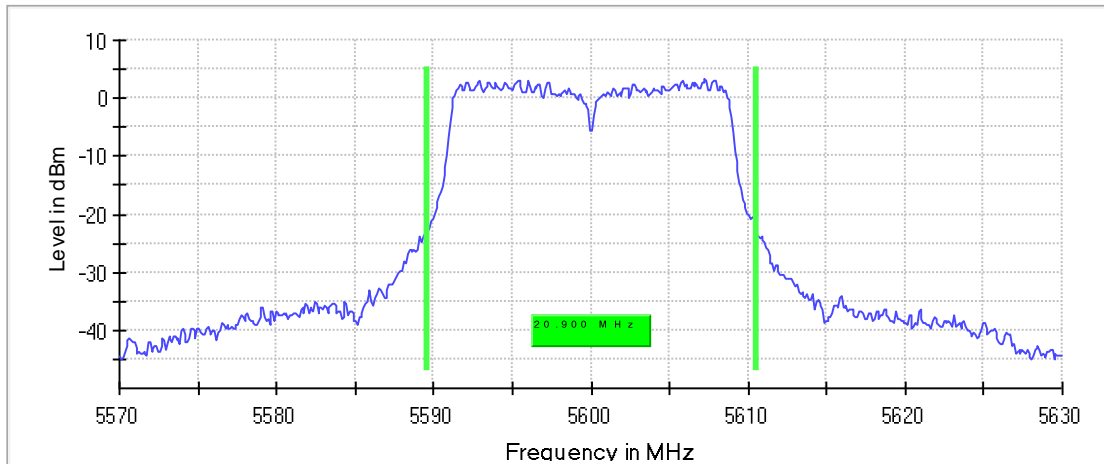
Emission Bandwidth 26 dB (5600 MHz; 30.000 dBm; 20 MHz)

26 dB Bandwidth

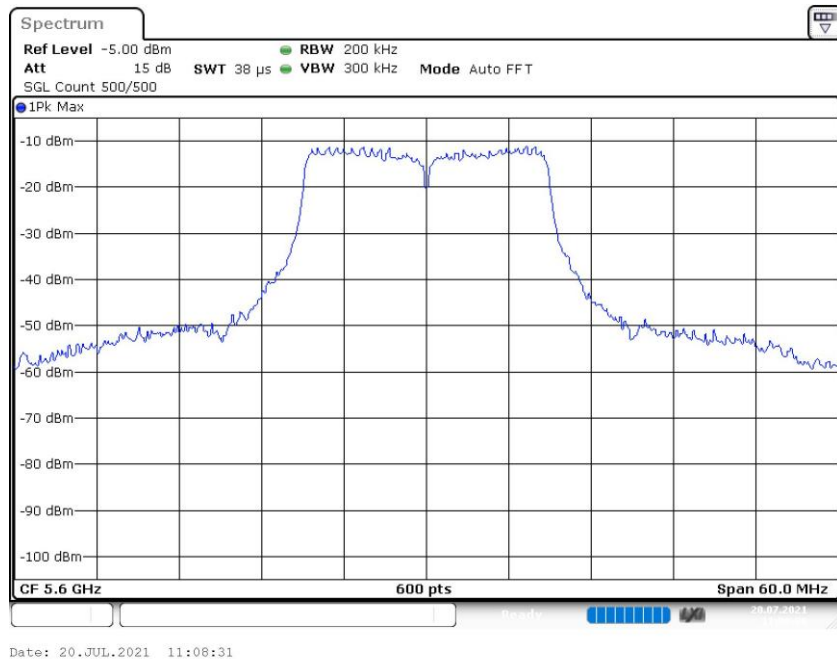
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	20.900000	---	---	5589.650000	5610.550000

DUT Frequency (MHz)	Max Level (dBm)	Result
5600.000000	3.3	PASS

26 dB Bandwidth



Bandwidth

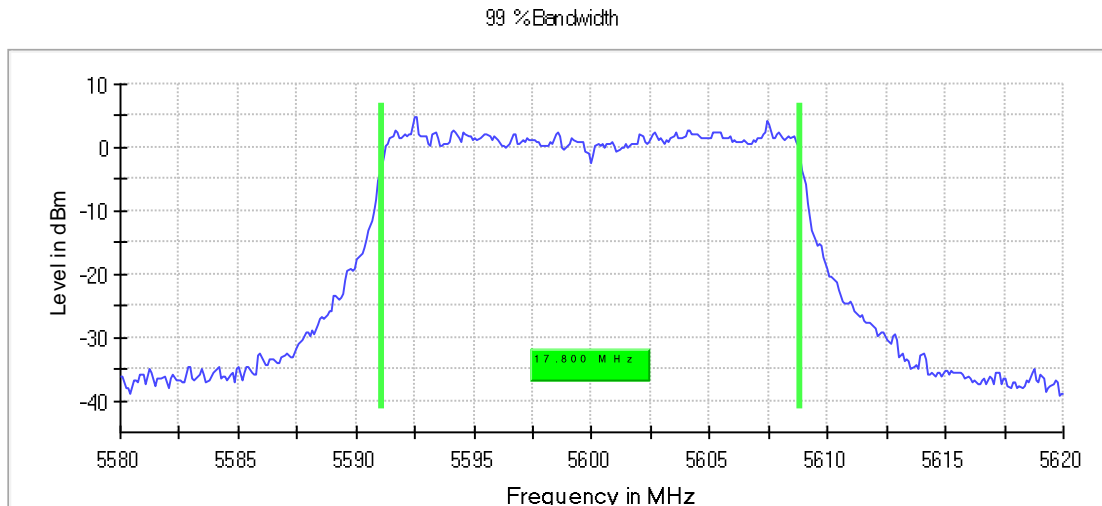


Occupied Channel Bandwidth 99% (5600 MHz; 30.000 dBm; 20 MHz)

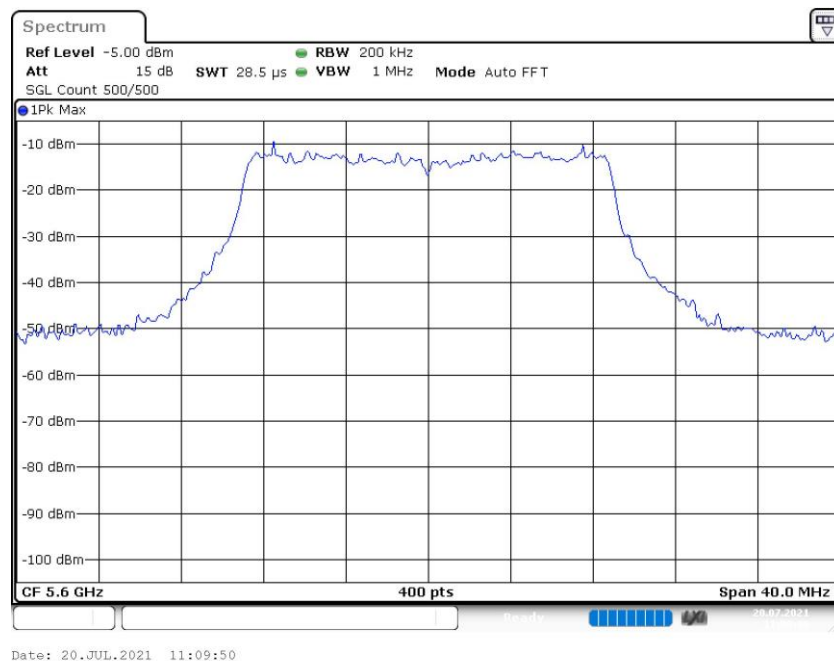
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5600.000000	17.800000	---	---	5591.050000	5608.850000

DUT Frequency (MHz)	Result
5600.000000	PASS



Bandwidth



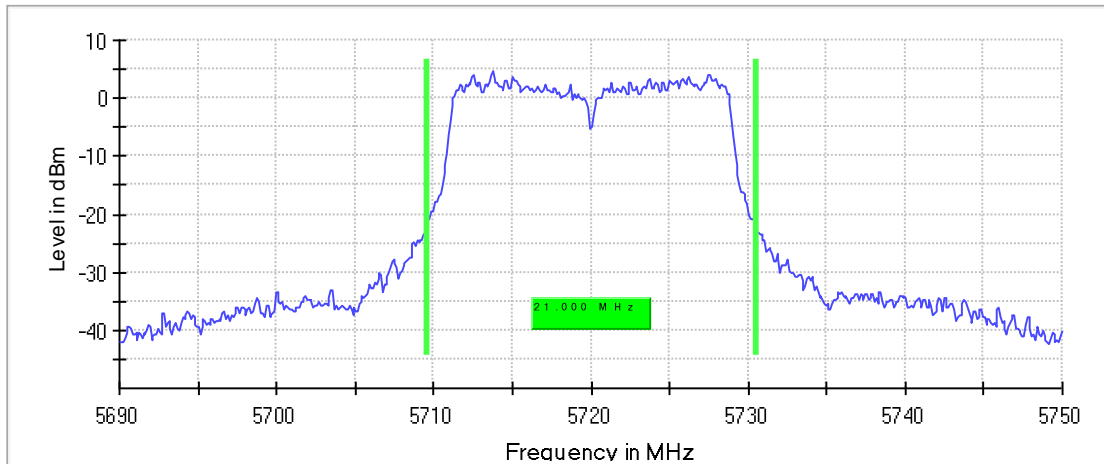
Emission Bandwidth 26 dB (5720 MHz; 30.000 dBm; 20 MHz)

26 dB Bandwidth

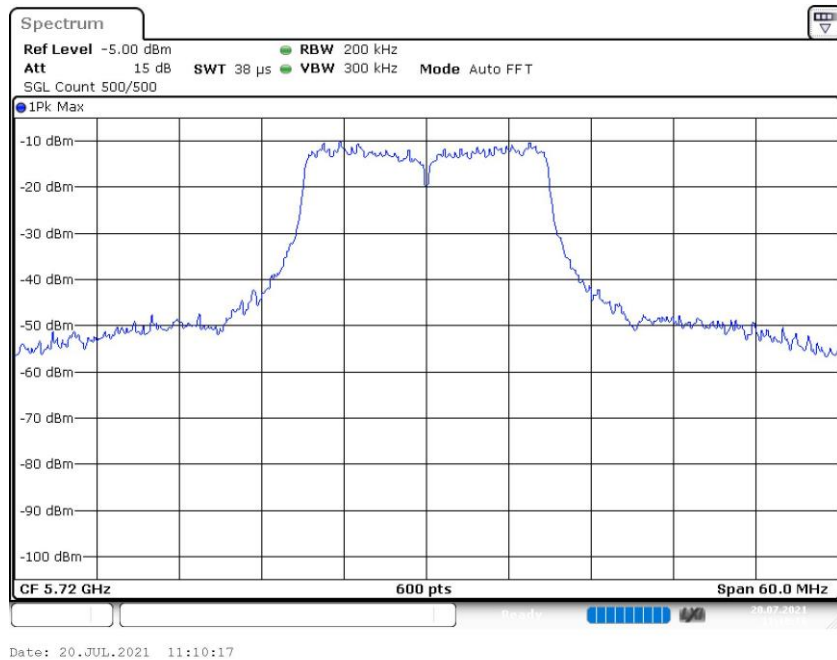
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5720.000000	21.000000	15.450000	5.550000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5720.000000	5709.550000	5730.550000	4.5	PASS

26 dB Bandwidth



Bandwidth



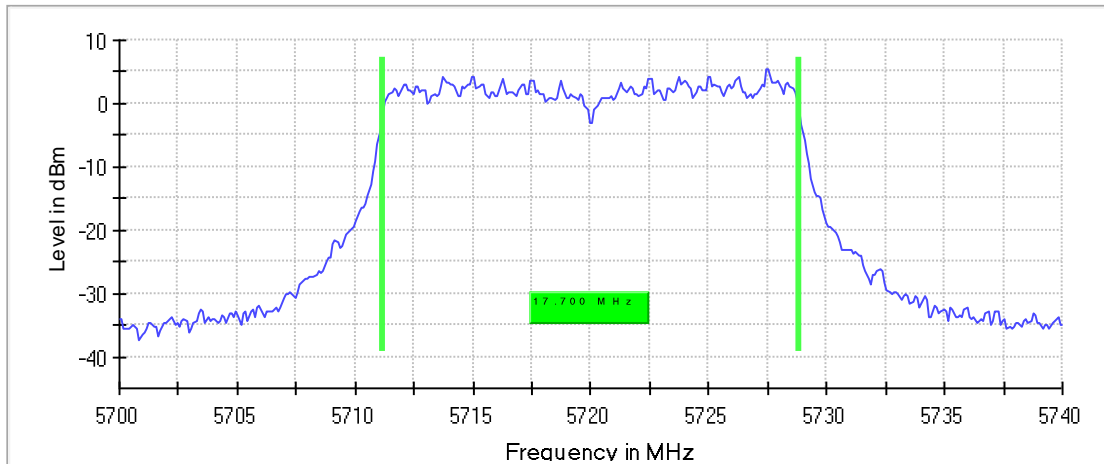
Occupied Channel Bandwidth 99% (5720 MHz; 30.000 dBm; 20 MHz)

99 % Bandwidth

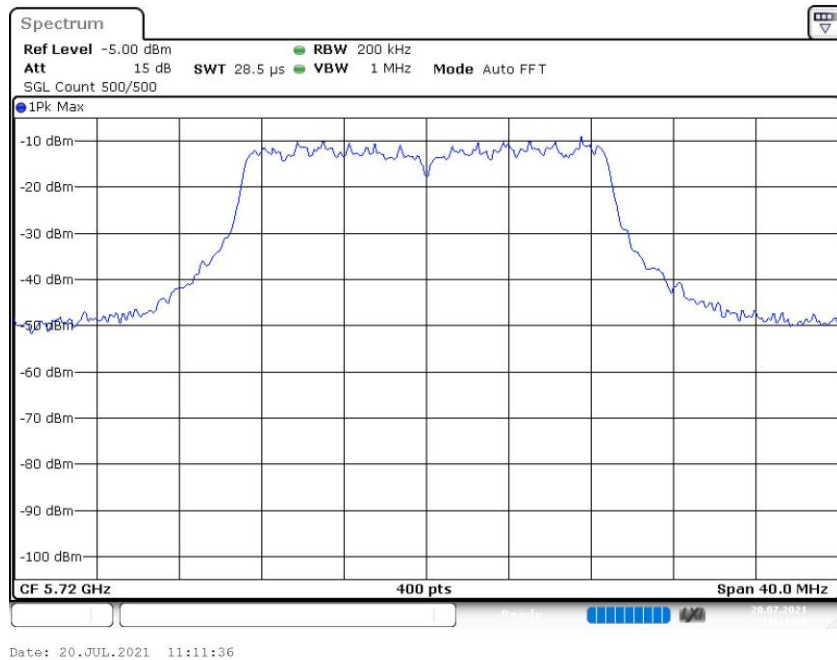
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5720.000000	17.700000	13.850000	3.850000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5720.000000	5711.150000	5728.850000	PASS

99 %Bandwidth



Bandwidth



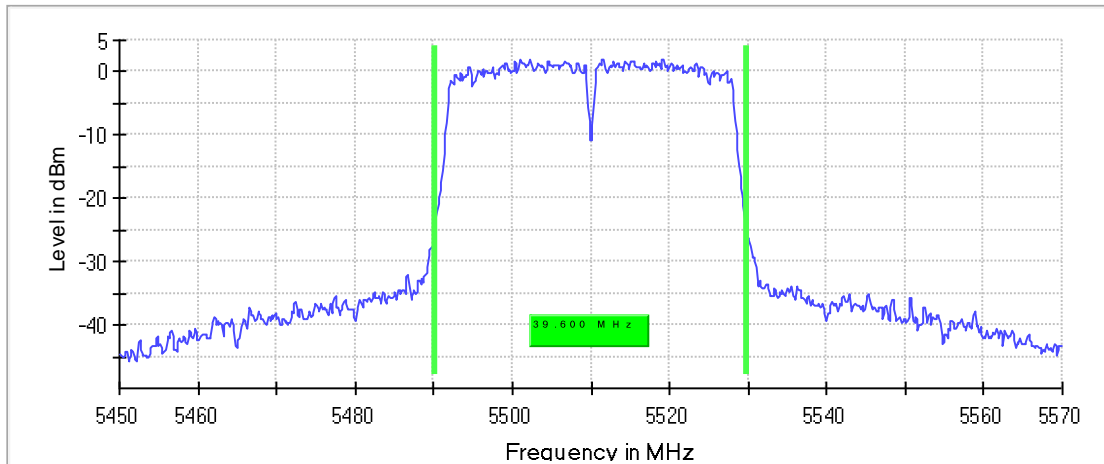
Emission Bandwidth 26 dB (5510 MHz; 30.000 dBm; 40 MHz)

26 dB Bandwidth

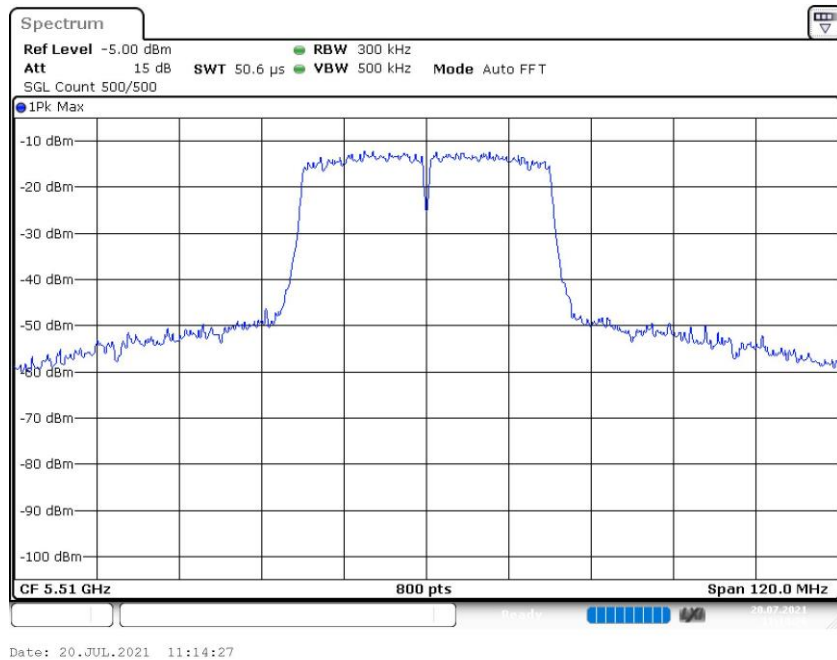
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5510.000000	39.600000	---	---	5490.125000	5529.725000

DUT Frequency (MHz)	Max Level (dBm)	Result
5510.000000	2.1	PASS

26 dB Bandwidth



Bandwidth



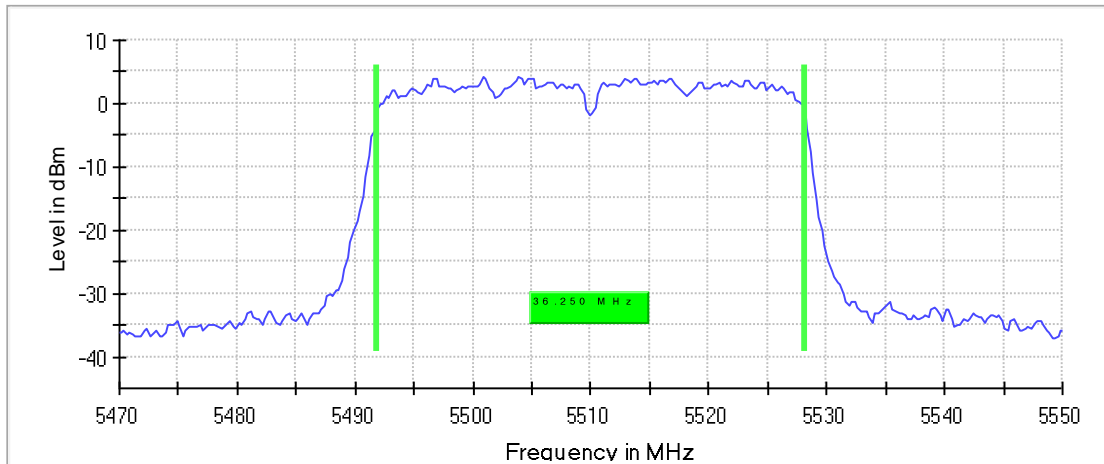
Occupied Channel Bandwidth 99% (5510 MHz; 30.000 dBm; 40 MHz)

99 % Bandwidth

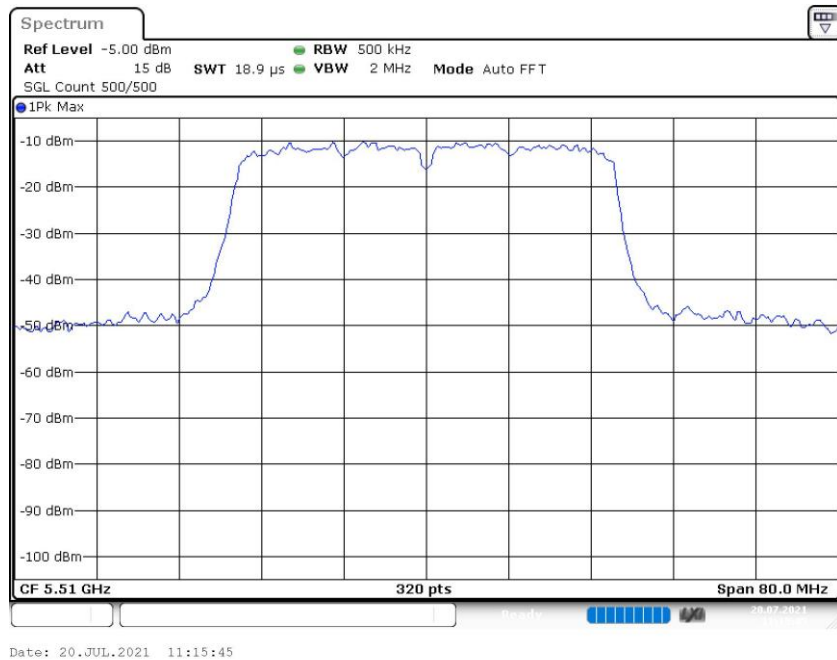
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5510.000000	36.250000	---	---	5491.875000	5528.125000

DUT Frequency (MHz)	Result
5510.000000	PASS

99 %Bandwidth



Bandwidth



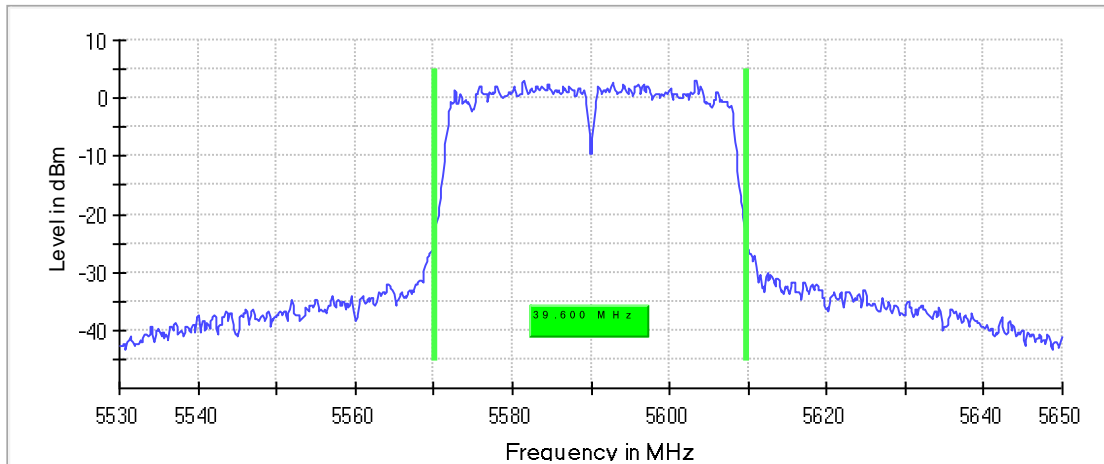
Emission Bandwidth 26 dB (5590 MHz; 30.000 dBm; 40 MHz)

26 dB Bandwidth

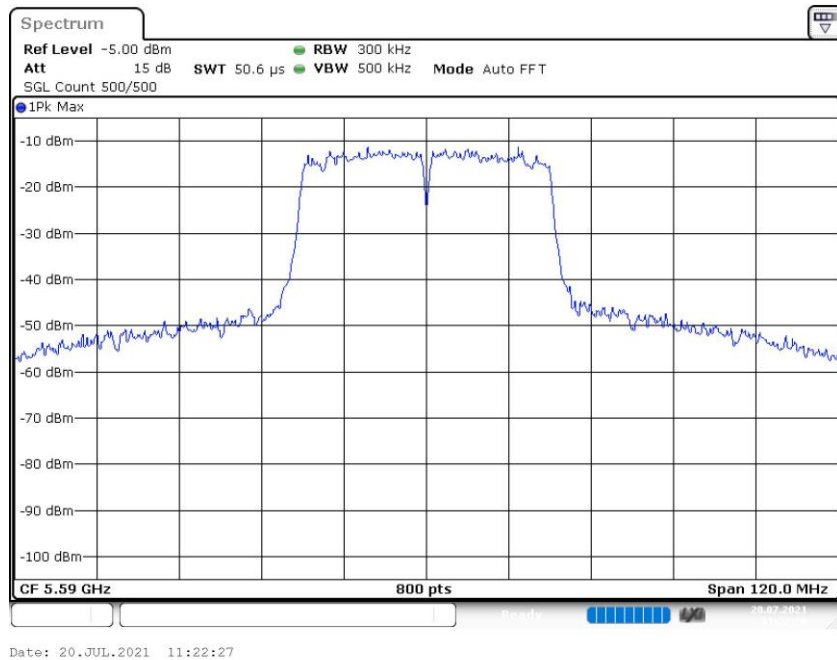
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5590.000000	39.600000	---	---	5570.125000	5609.725000

DUT Frequency (MHz)	Max Level (dBm)	Result
5590.000000	3.1	PASS

26 dB Bandwidth



Bandwidth

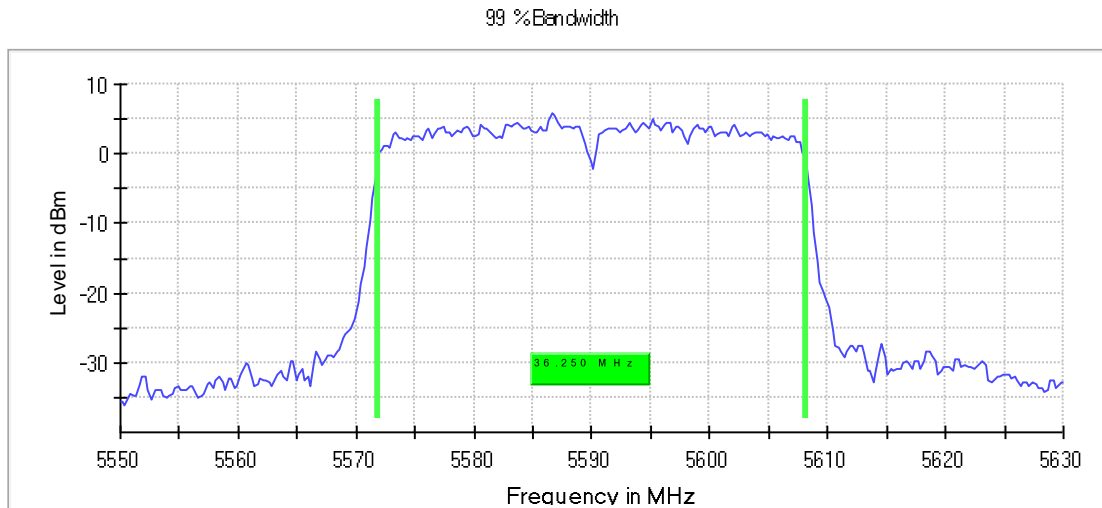


Occupied Channel Bandwidth 99% (5590 MHz; 30.000 dBm; 40 MHz)

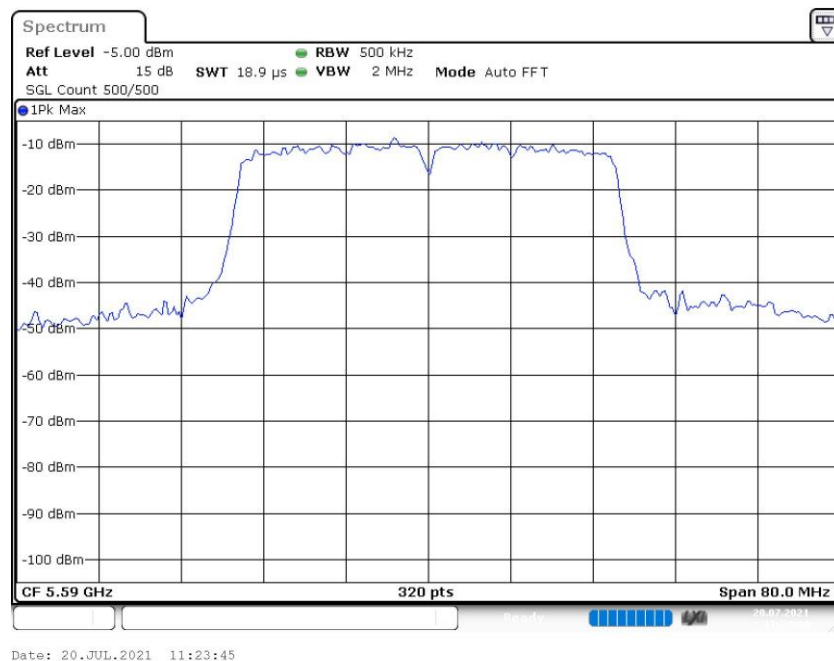
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5590.000000	36.250000	---	---	5571.875000	5608.125000

DUT Frequency (MHz)	Result
5590.000000	PASS



Bandwidth



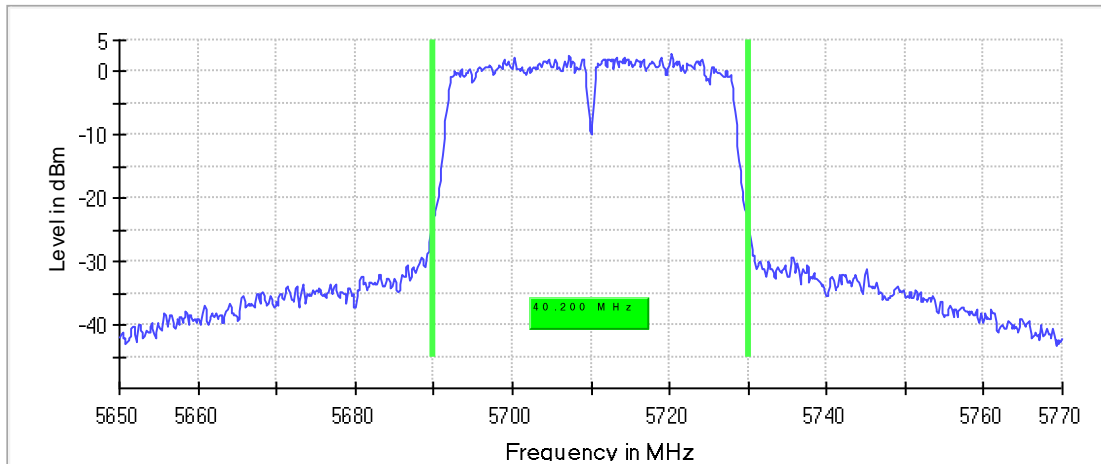
Emission Bandwidth 26 dB (5710 MHz; 30.000 dBm; 40 MHz)

26 dB Bandwidth

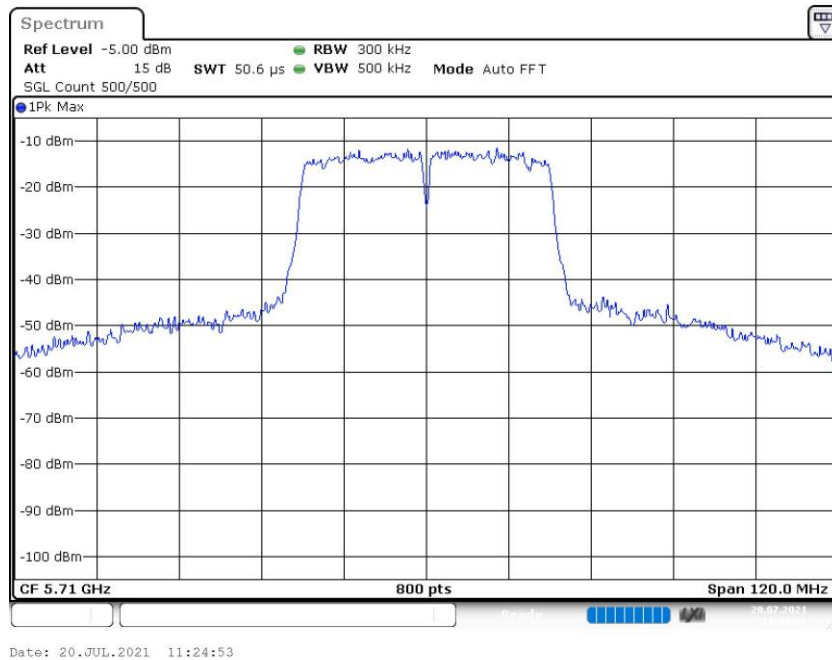
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5710.000000	40.200000	35.175000	5.025000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5710.000000	5689.825000	5730.025000	2.9	PASS

26 dB Bandwidth



Bandwidth

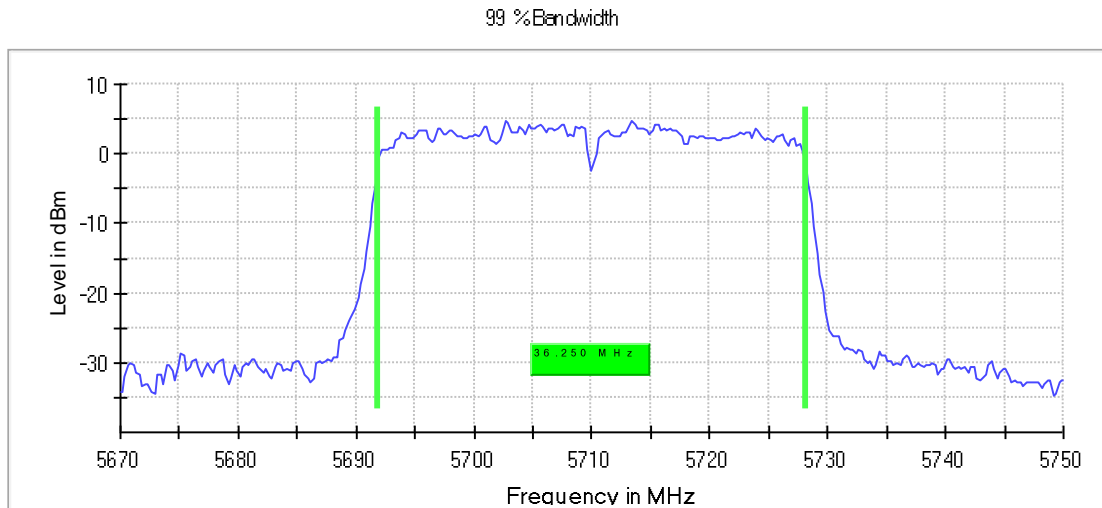


Occupied Channel Bandwidth 99% (5710 MHz; 30.000 dBm; 40 MHz)

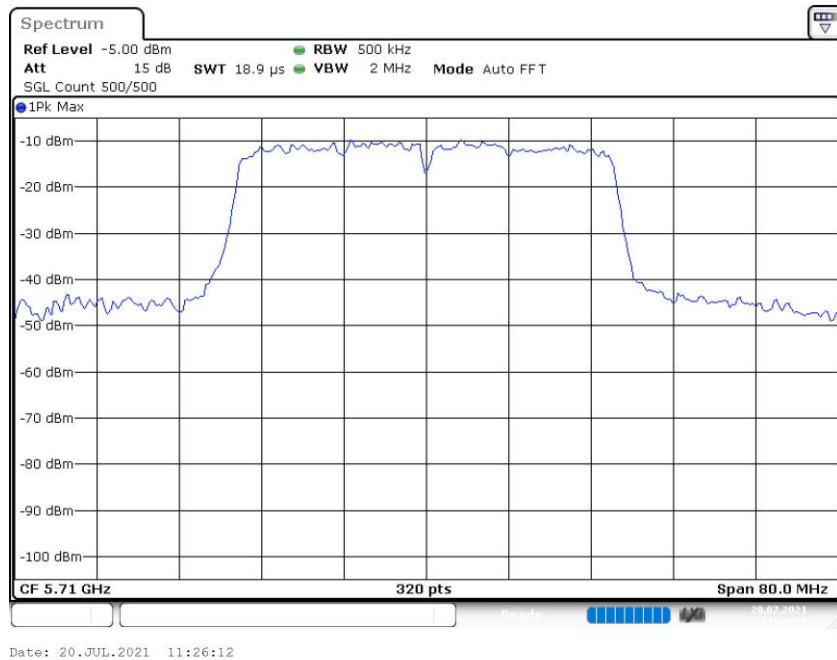
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5710.000000	36.250000	33.125000	3.125000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5710.000000	5691.875000	5728.125000	PASS



Bandwidth



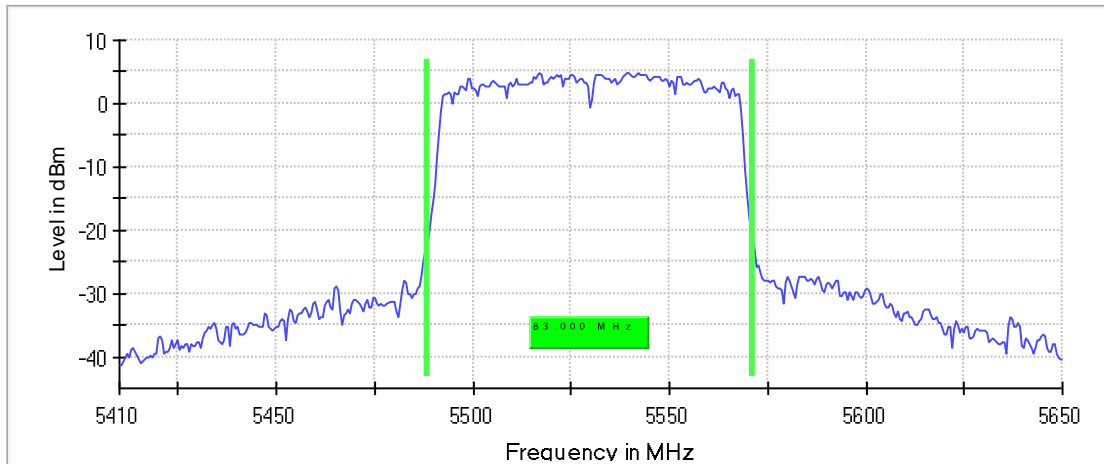
Emission Bandwidth 26 dB (5530 MHz; 30.000 dBm; 80 MHz)

26 dB Bandwidth

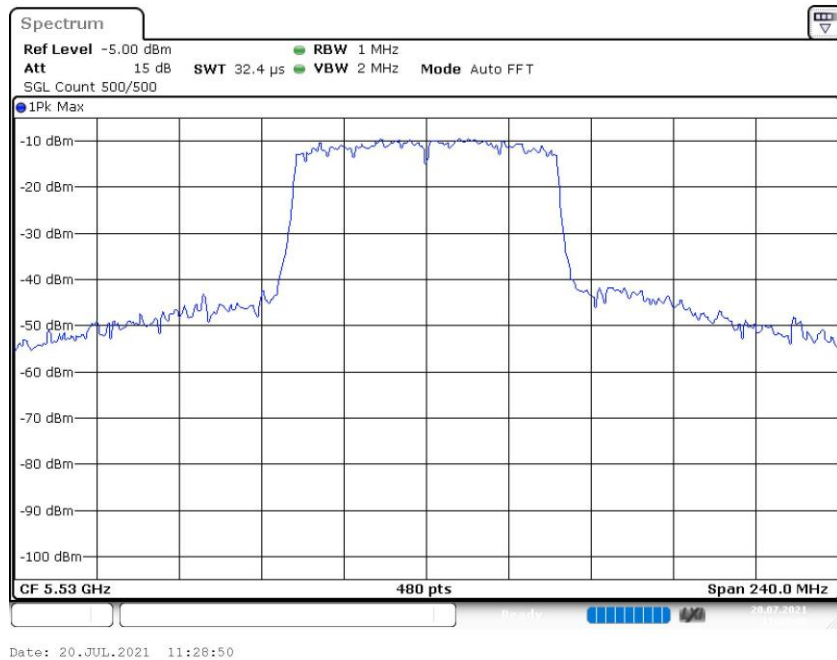
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5530.000000	83.000000	---	---	5488.250000	5571.250000

DUT Frequency (MHz)	Max Level (dBm)	Result
5530.000000	4.9	PASS

26 dB Bandwidth



Bandwidth

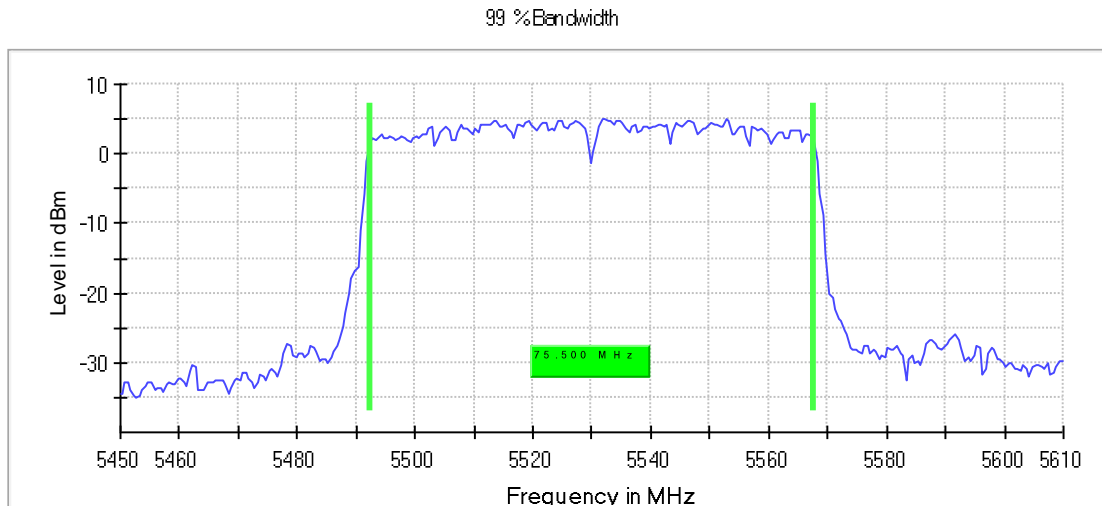


Occupied Channel Bandwidth 99% (5530 MHz; 30.000 dBm; 80 MHz)

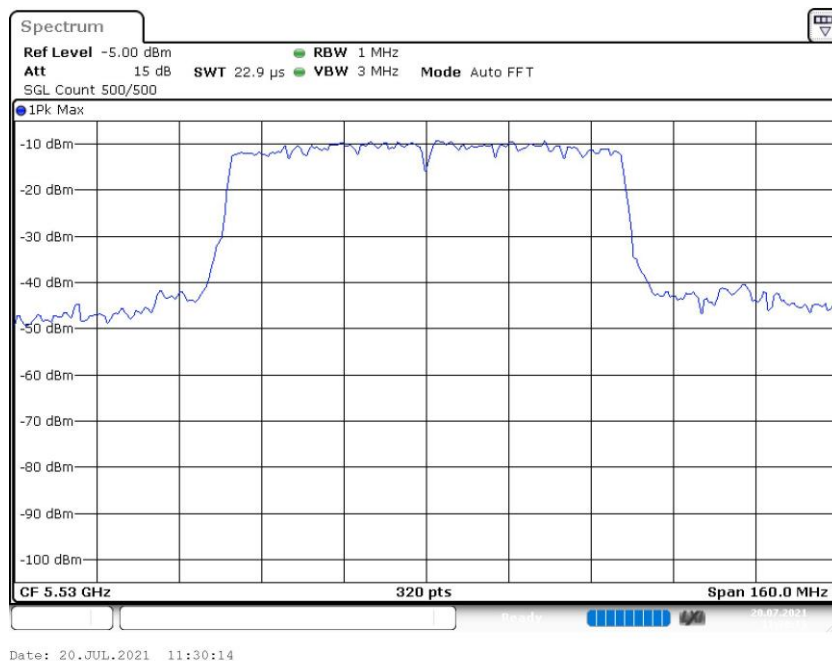
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5530.000000	75.500000	---	---	5492.250000	5567.750000

DUT Frequency (MHz)	Result
5530.000000	PASS



Bandwidth



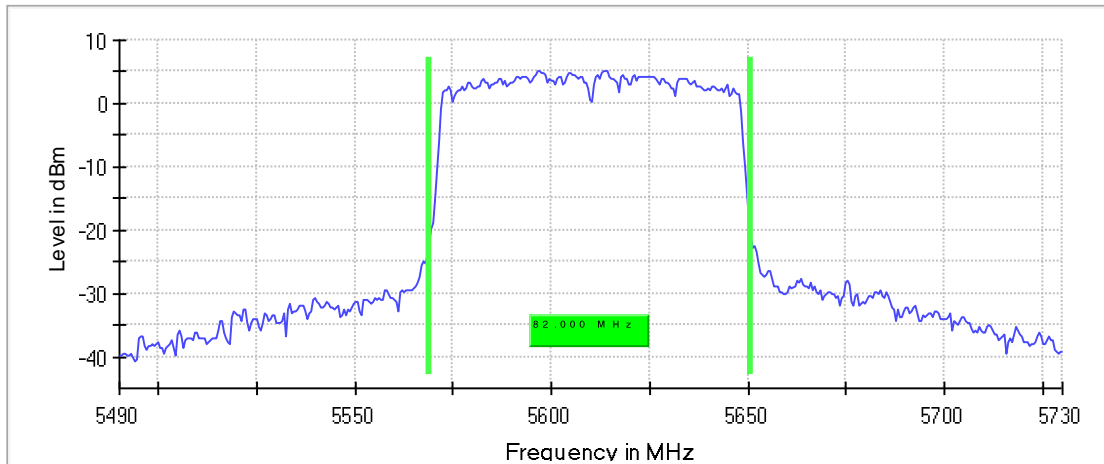
Emission Bandwidth 26 dB (5610 MHz; 30.000 dBm; 80 MHz)

26 dB Bandwidth

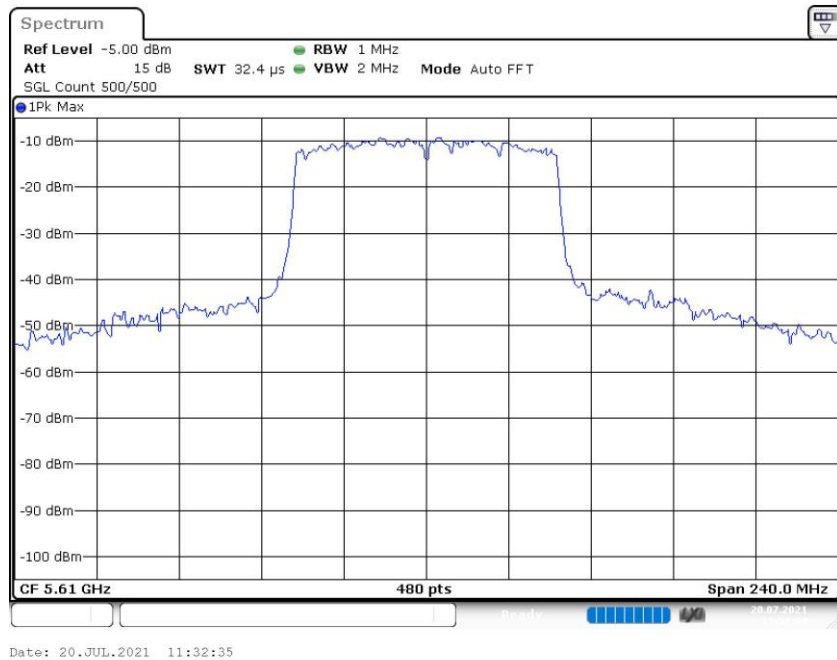
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5610.000000	82.000000	---	---	5568.750000	5650.750000

DUT Frequency (MHz)	Max Level (dBm)	Result
5610.000000	5.2	PASS

26 dB Bandwidth



Bandwidth

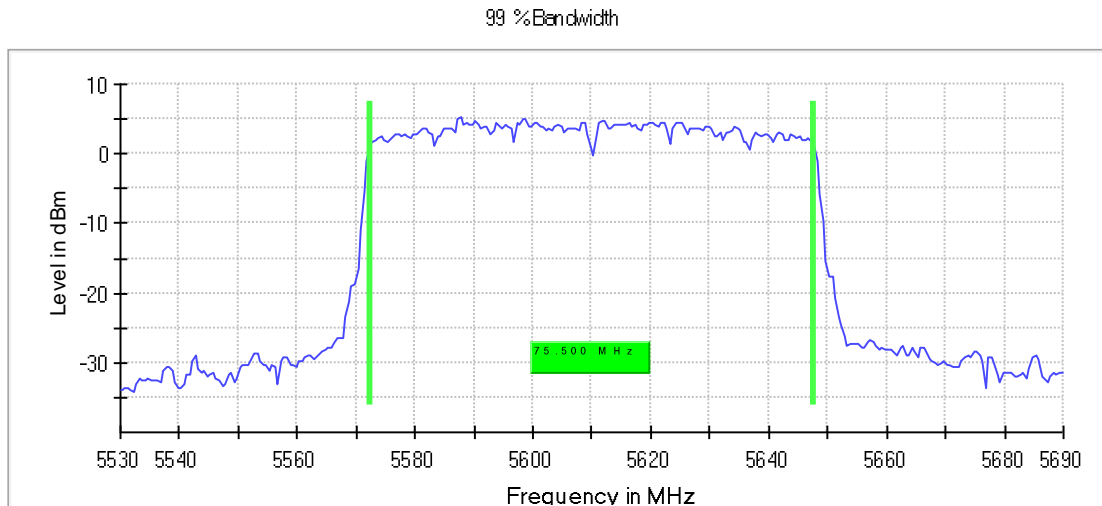


Occupied Channel Bandwidth 99% (5610 MHz; 30.000 dBm; 80 MHz)

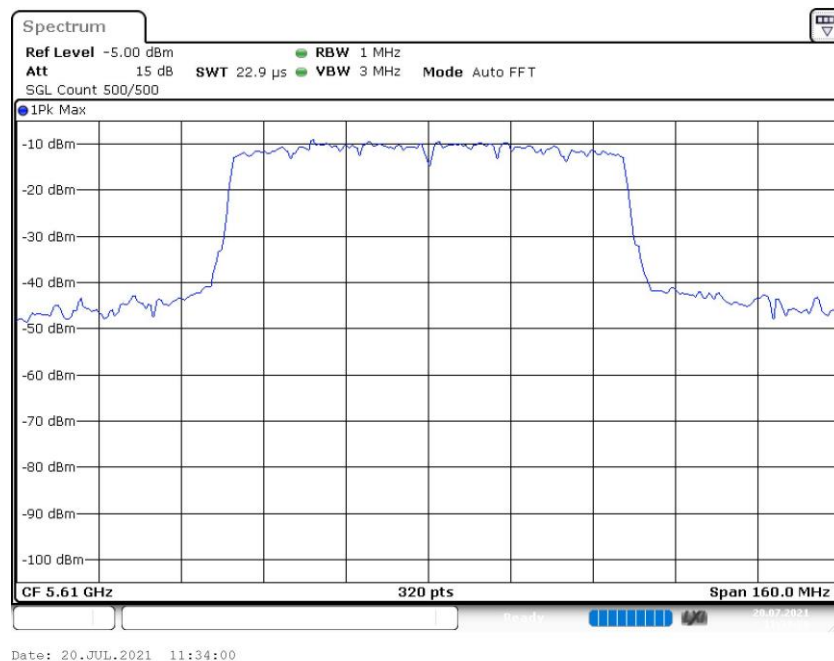
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5610.000000	75.500000	---	---	5572.250000	5647.750000

DUT Frequency (MHz)	Result
5610.000000	PASS



Bandwidth



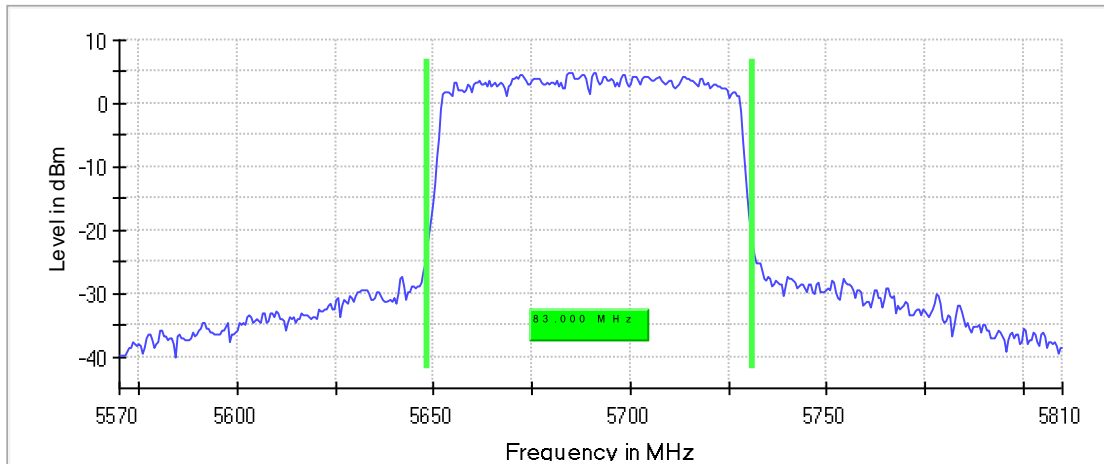
Emission Bandwidth 26 dB (5690 MHz; 30.000 dBm; 80 MHz)

26 dB Bandwidth

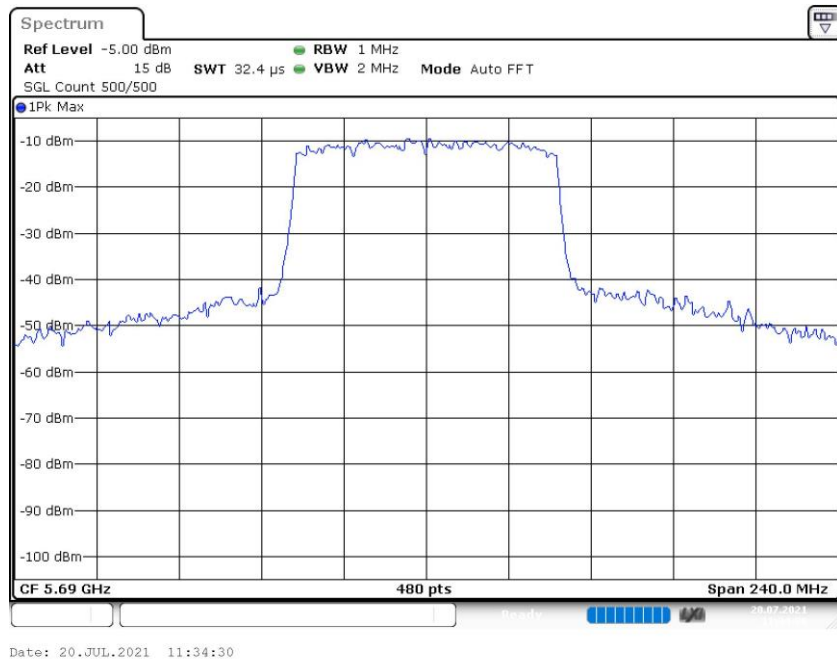
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5690.000000	83.000000	76.750000	6.250000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5690.000000	5648.250000	5731.250000	5.0	PASS

26 dB Bandwidth



Bandwidth



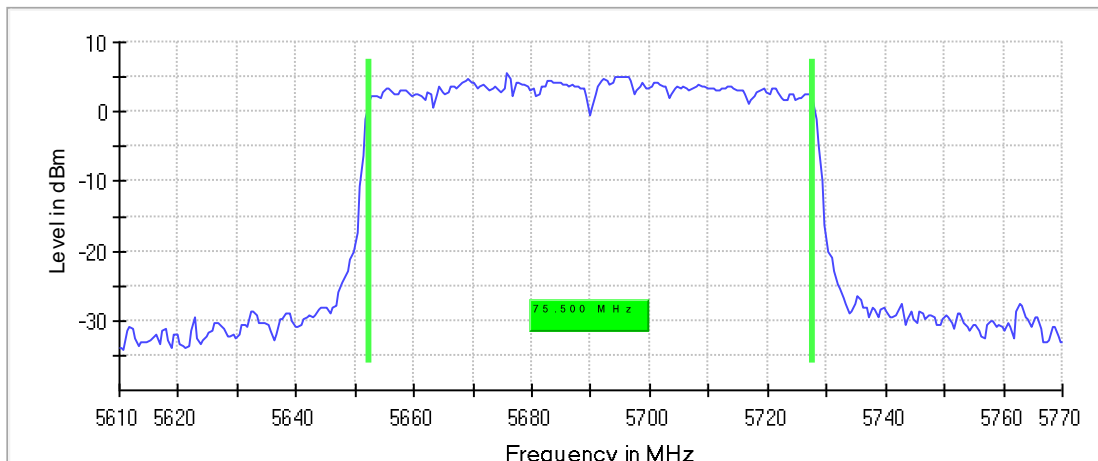
Occupied Channel Bandwidth 99% (5690 MHz; 30.000 dBm; 80 MHz)

99 % Bandwidth

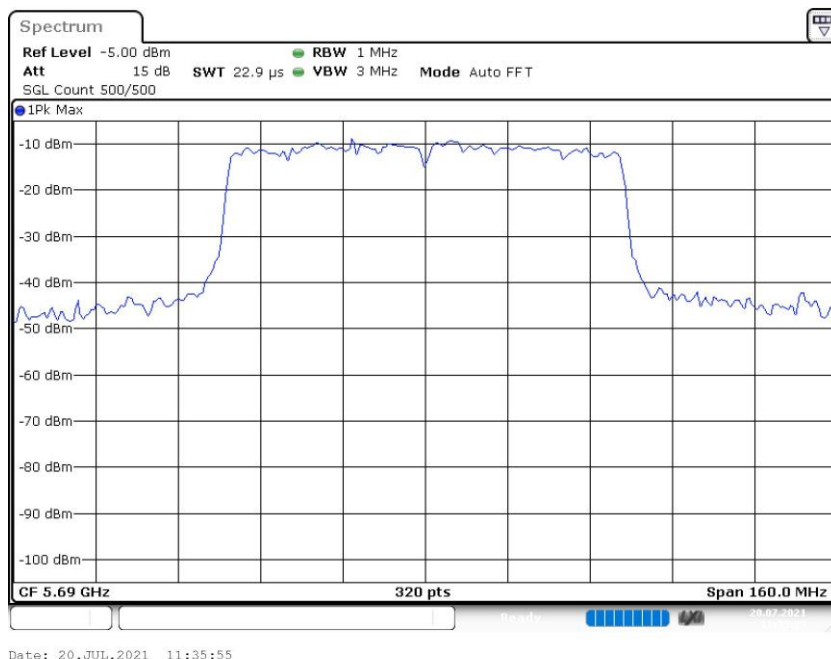
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5690.000000	75.500000	72.750000	2.750000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5690.000000	5652.250000	5727.750000	PASS

99 %Bandwidth



Bandwidth



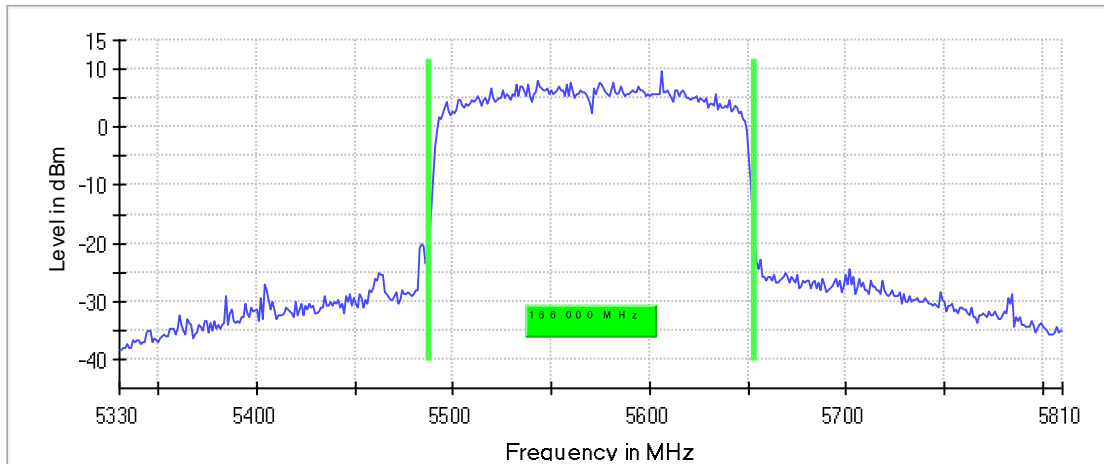
Emission Bandwidth 26 dB (5570 MHz; 30.000 dBm; 160 MHz)

26 dB Bandwidth

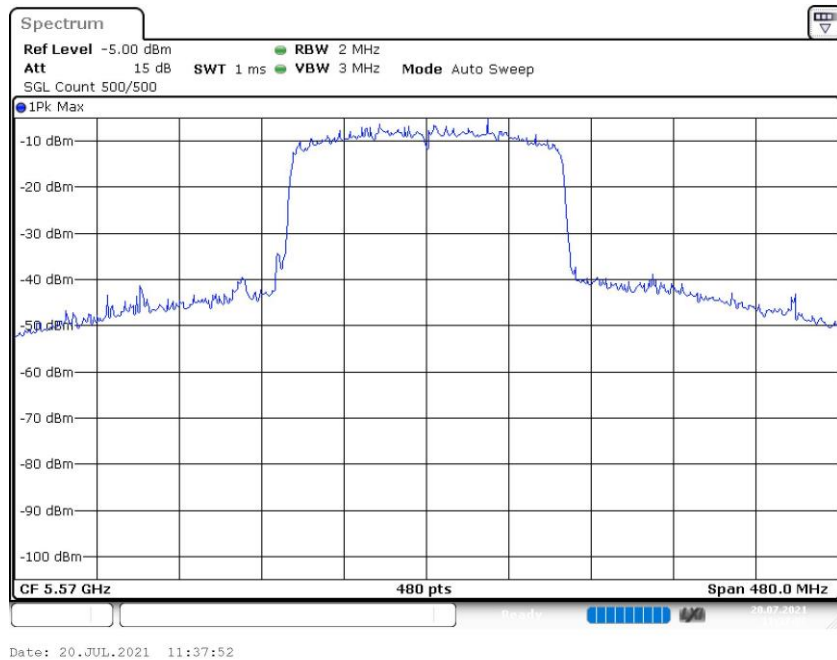
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5570.000000	166.000000	166.000000	0.000000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
5570.000000	5487.500000	5653.500000	9.6	PASS

26 dB Bandwidth



Bandwidth



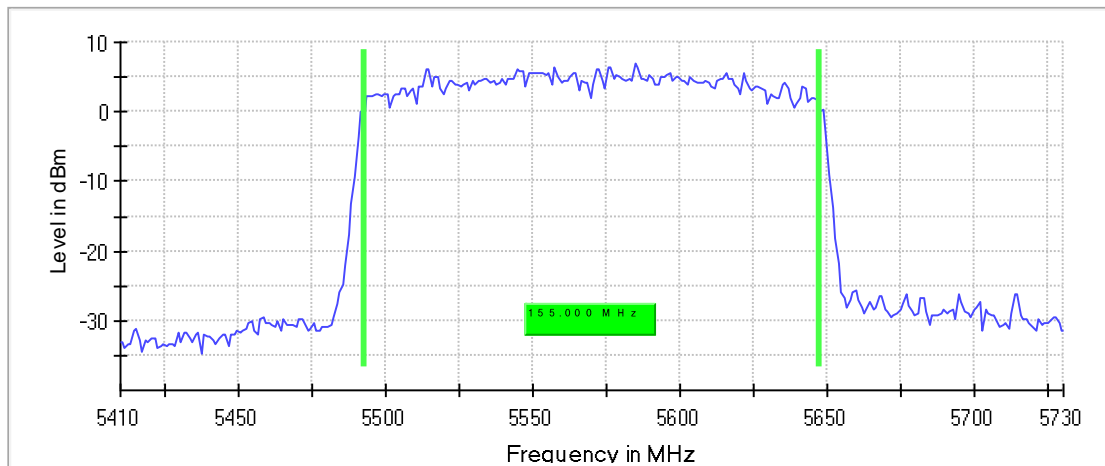
Occupied Channel Bandwidth 99% (5570 MHz; 30.000 dBm; 160 MHz)

99 % Bandwidth

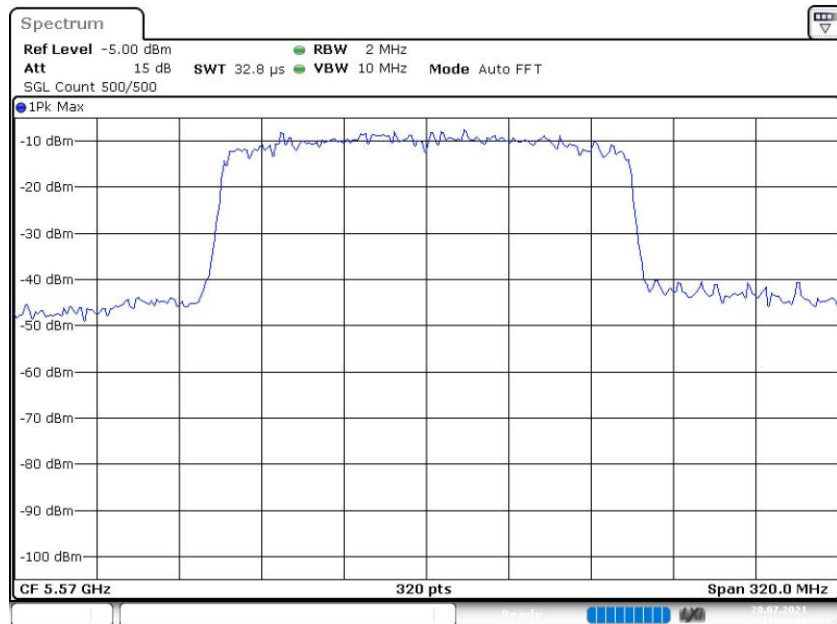
DUT Frequency (MHz)	Bandwidth (MHz)	Bandwidth U-NII 2C (MHz)	Bandwidth U-NII 3 (MHz)	Limit Min (MHz)	Limit Max (MHz)
5570.000000	155.000000	155.000000	0.000000	---	---

DUT Frequency (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5570.000000	5492.500000	5647.500000	PASS

99 %Bandwidth



Bandwidth



Date: 20.JUL.2021 11:39:39