

WiFi b Mode

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
RF output power	2412.000	20.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2412.000	20.0	20.000000	PASS
Power Spectral Density	2412.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	2412.000	20.0	20.000000	PASS
Tx Spurious Emission	2412.000	20.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2437.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	2437.000	20.0	20.000000	PASS
Tx Spurious Emission	2437.000	20.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2462.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	2462.000	20.0	20.000000	PASS
Tx Spurious Emission	2462.000	20.0	20.000000	PASS

RF output power (2412 MHz; 20.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2412.000000	20.6	30.0	23.6	98.952	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

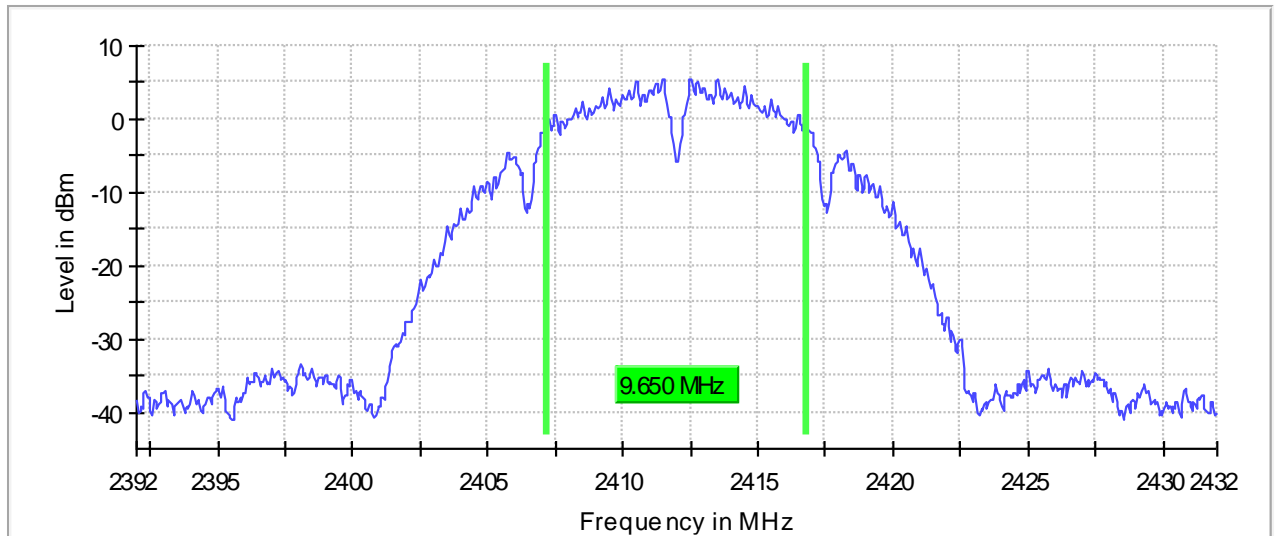
Minimum Emission Bandwidth 6 dB (2412 MHz; 20.000 dBm; 20 MHz)

6 dB Bandwidth

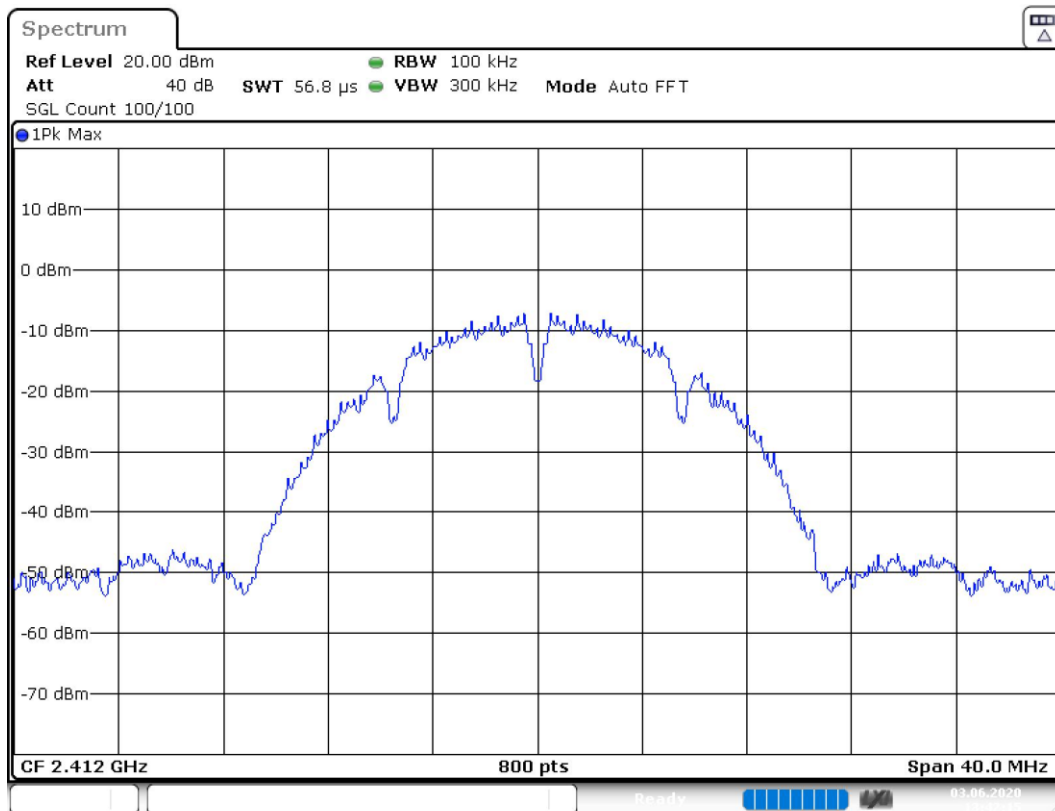
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	9.650000	0.500000	---	2407.175000	2416.825000

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	5.5	PASS

6 dB Bandwidth



Bandwidth



Date: 3.JUN.2020 13:42:15

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweeptime	56.836 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	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

Power Spectral Density (2412 MHz; 20.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2412.725000	1.643	8.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.42700 GHz	2.42700 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
Sweeptime	1.040 ms	AUTO
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	Sweep
Preamp	off	off

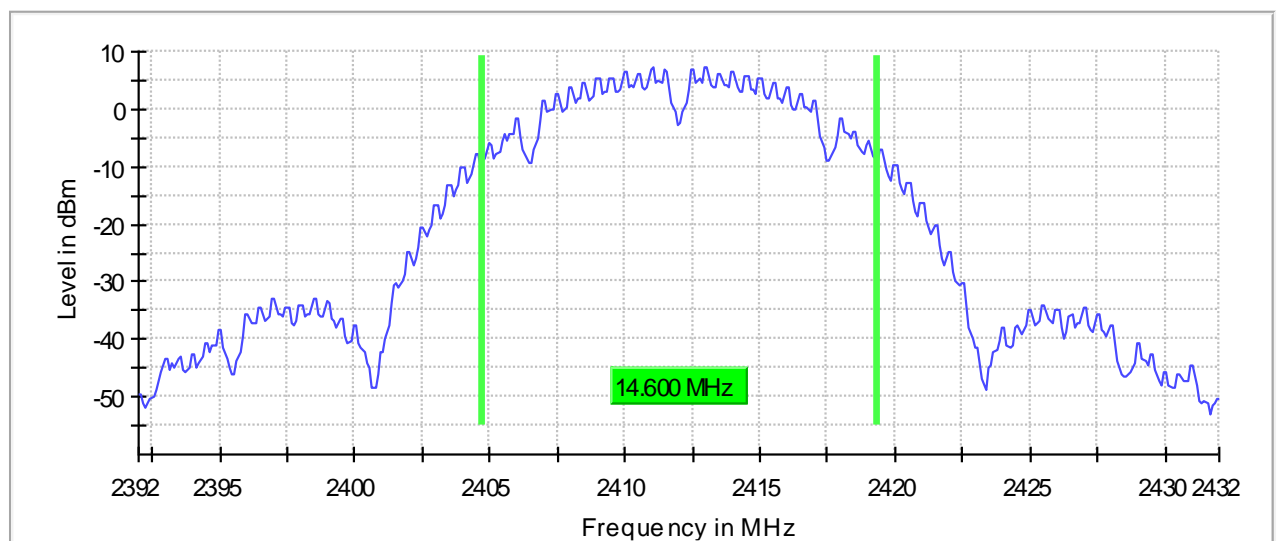
Occupied Channel Bandwidth 99% (2412 MHz; 20.000 dBm; 20 MHz)

99 % Bandwidth

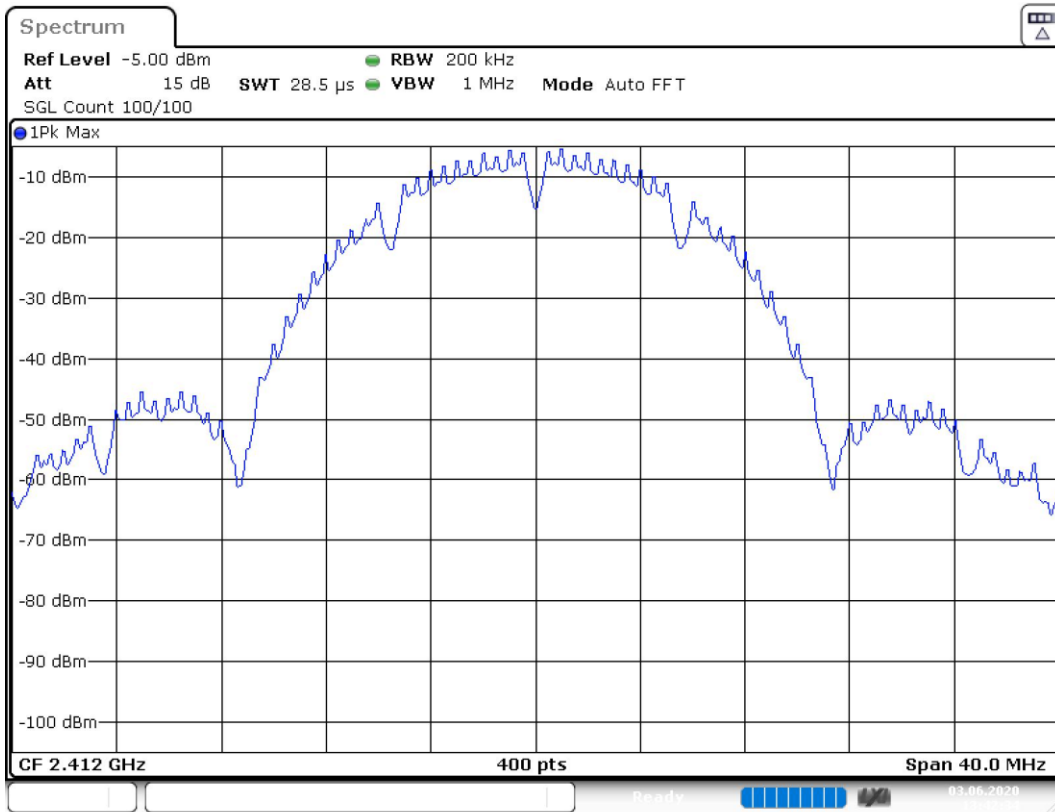
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	14.600000	---	---	2404.750000	2419.350000

DUT Frequency (MHz)	Result
2412.000000	PASS

99 % Bandwidth



Bandwidth



Date: 3.JUN.2020 13:42:33

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 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	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Tx Spurious Emission (2412 MHz; 20.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2412.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

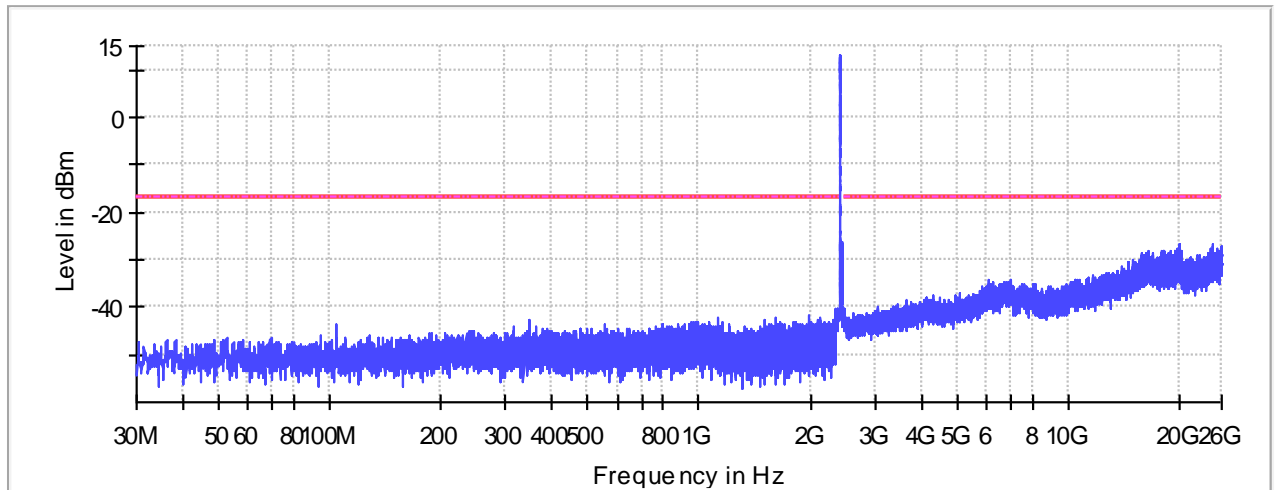
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2398.475000	-25.4	8.6	-16.8
2398.525000	-25.4	8.7	-16.8
2397.025000	-25.7	8.9	-16.8
2396.975000	-25.7	9.0	-16.8
2398.025000	-26.4	9.6	-16.8
2397.475000	-26.4	9.7	-16.8
2397.975000	-26.4	9.7	-16.8
2398.275000	-26.5	9.7	-16.8
2397.525000	-26.5	9.8	-16.8
2396.525000	-26.5	9.8	-16.8
2398.225000	-26.5	9.8	-16.8
2396.475000	-26.5	9.8	-16.8
2398.425000	-26.7	10.0	-16.8
24645.271468	-26.8	10.0	-16.8
19901.700720	-26.8	10.0	-16.8

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

Spurious



— Limit - - - - - Threshold — SumLevel × Critical × Final Critical

Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	32001	~ 46400
Sweeptime	32.100 ms	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz

VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	2670	~ 2670
Sweeptime	151.563 μ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	300	300
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

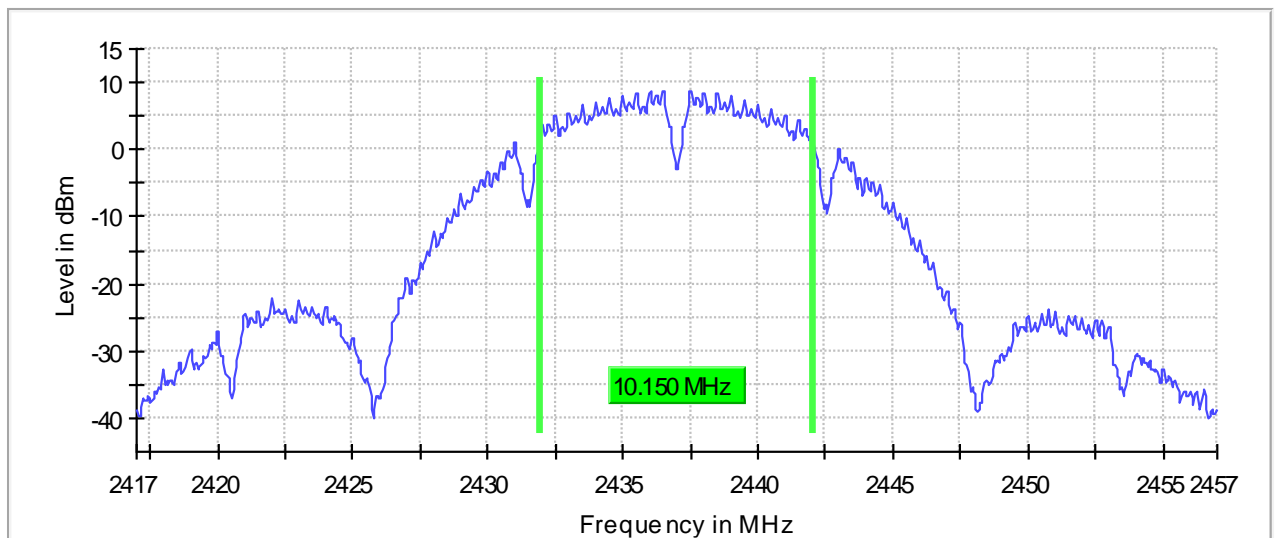
Minimum Emission Bandwidth 6 dB (2437 MHz; 20.000 dBm; 20 MHz)

6 dB Bandwidth

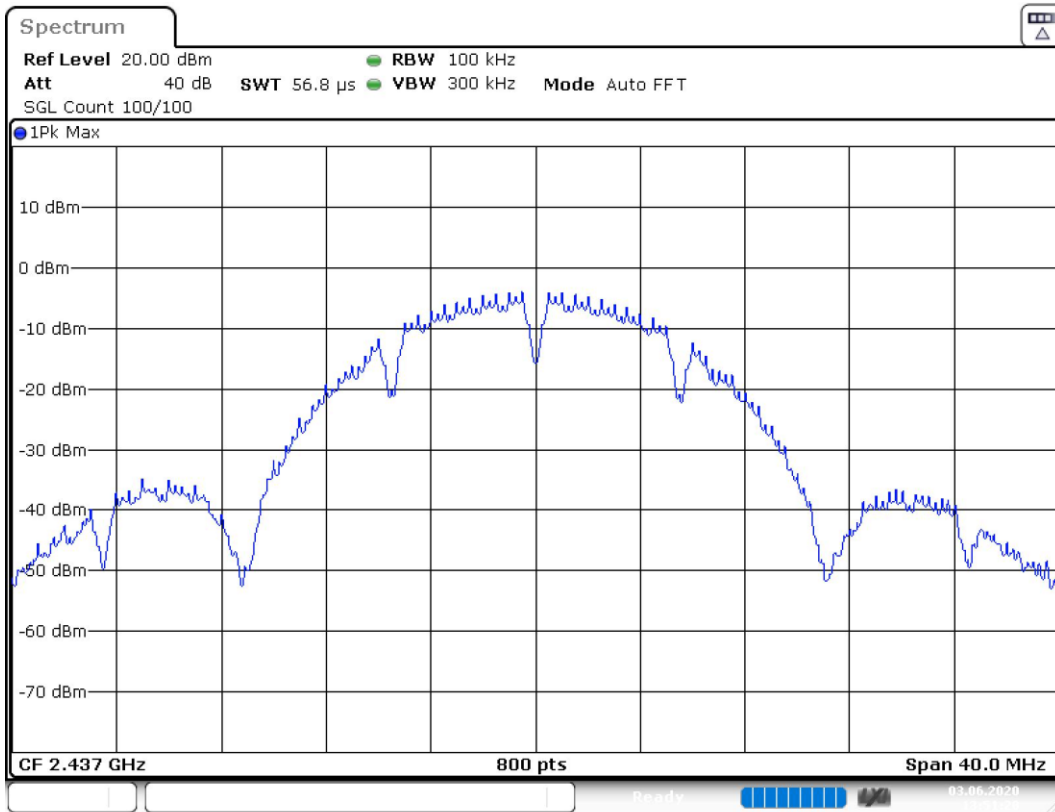
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	10.150000	0.500000	--	2431.925000	2442.075000

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	8.7	PASS

6 dB Bandwidth



Bandwidth



Date: 3.JUN.2020 13:51:20

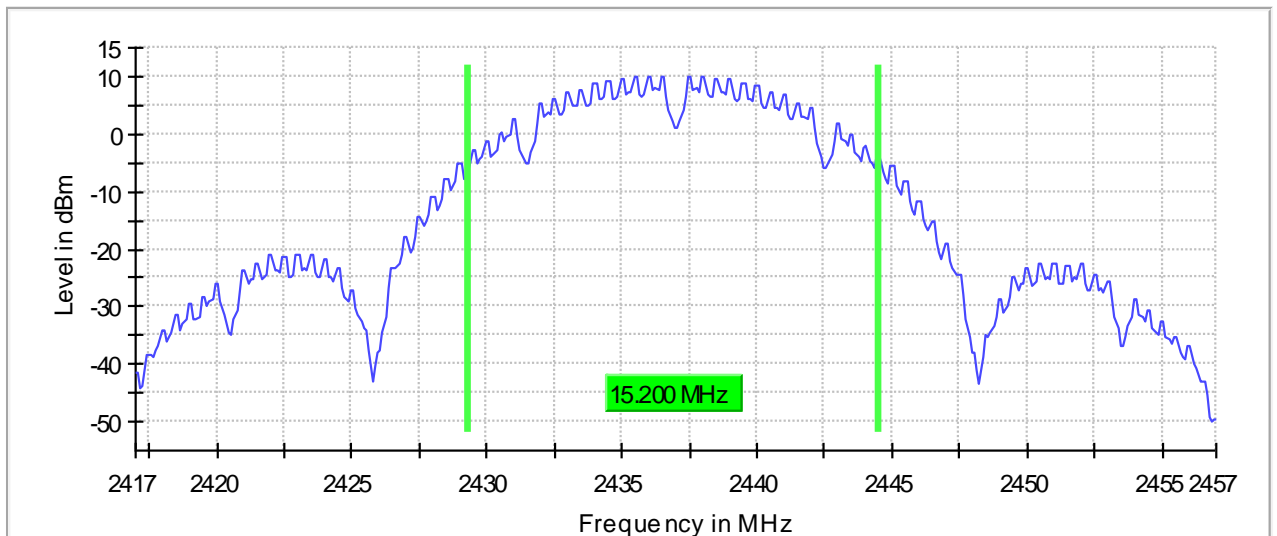
Occupied Channel Bandwidth 99% (2437 MHz; 20.000 dBm; 20 MHz)

99 % Bandwidth

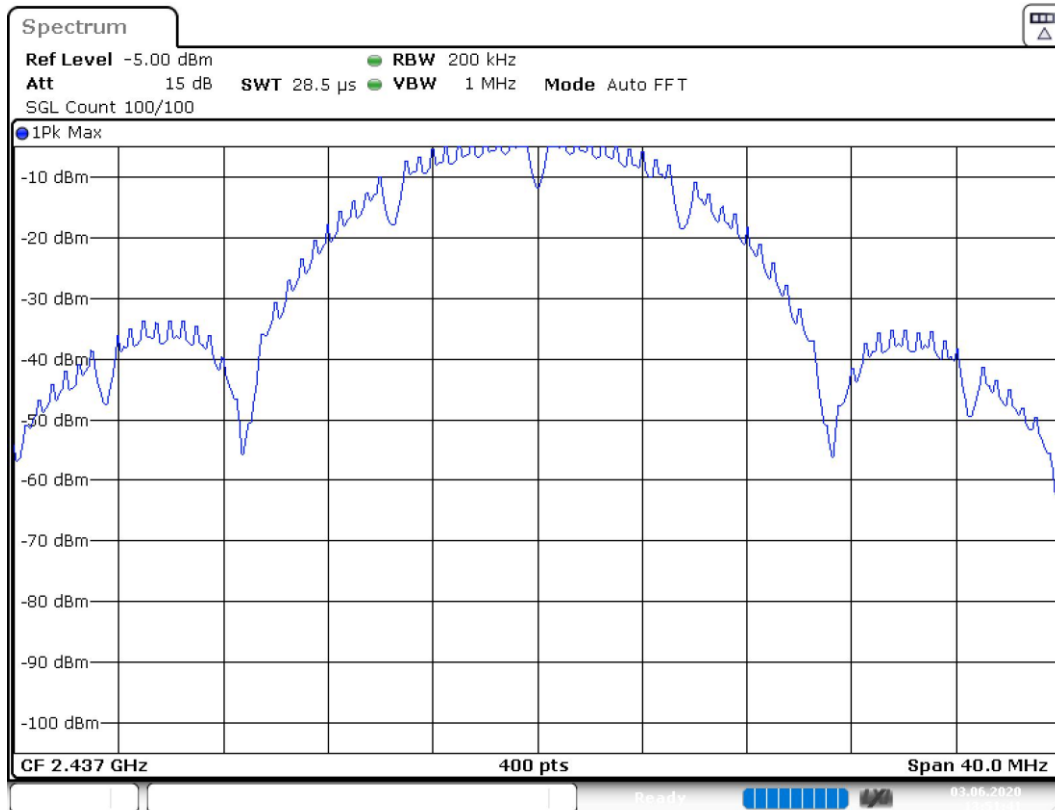
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	15.200000	---	---	2429.350000	2444.550000

DUT Frequency (MHz)	Result
2437.000000	PASS

99%Bandwidth



Bandwidth



Date: 3.JUN.2020 13:51:41

Tx Spurious Emission (2437 MHz; 20.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
5174.091664	1.4	-36.0	-14.2	21.8	PASS

Pre Measurements

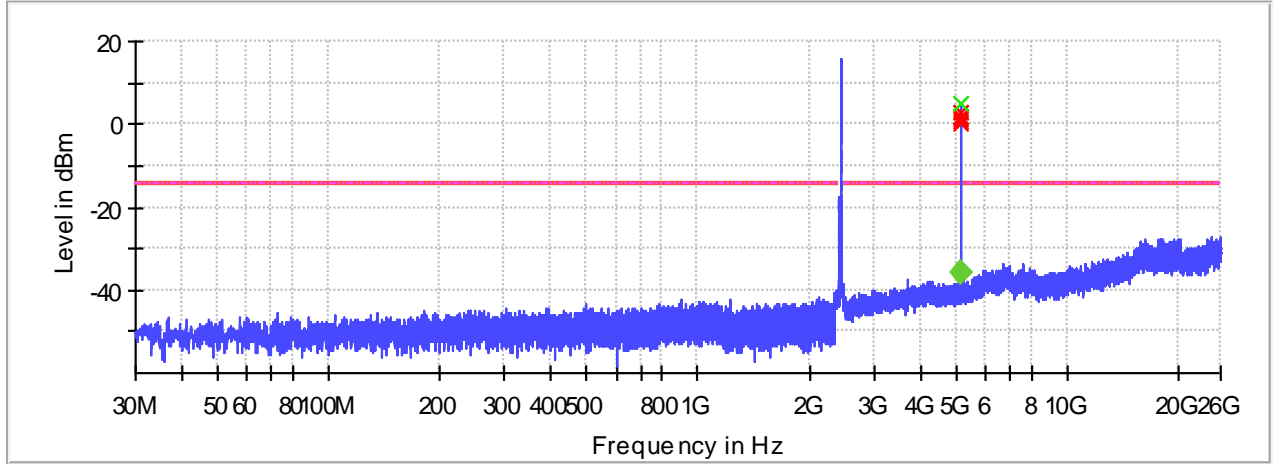
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
5175.687674	4.7	-18.9	-14.2
5176.422541	3.1	-17.2	-14.2
5177.892277	2.8	-17.0	-14.2
5177.157409	1.9	-16.0	-14.2
5172.013336	1.8	-16.0	-14.2
5173.483071	1.6	-15.7	-14.2
5174.217939	1.4	-15.6	-14.2
5172.748203	0.8	-14.9	-14.2
5174.952806	0.3	-14.5	-14.2
5171.278468	-16.4	2.2	-14.2
5170.543600	-21.5	7.3	-14.2
5169.808733	-26.6	12.4	-14.2
24591.626129	-27.5	13.3	-14.2
25930.555006	-27.5	13.3	-14.2

24588.686658	-27.5	13.3	-14.2
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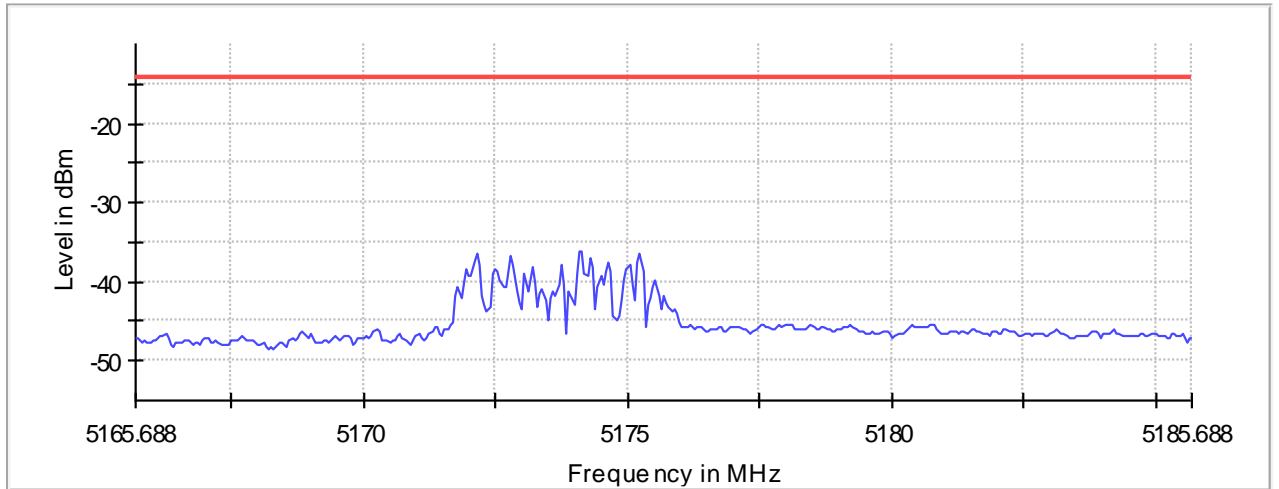
Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

Spurious



- Limit
- - - Threshold
- Sum Level
- x Final Critical
- ◆ Fail
- ◆ Pass
- x Critical



— SumLevel — Limit

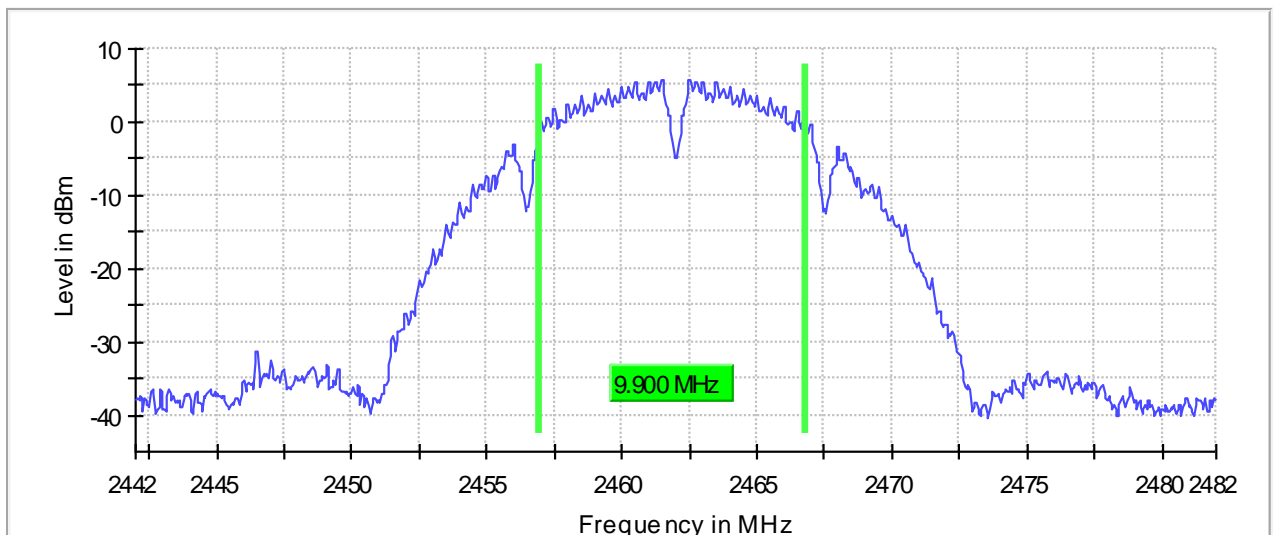
Minimum Emission Bandwidth 6 dB (2462 MHz; 20.000 dBm; 20 MHz)

6 dB Bandwidth

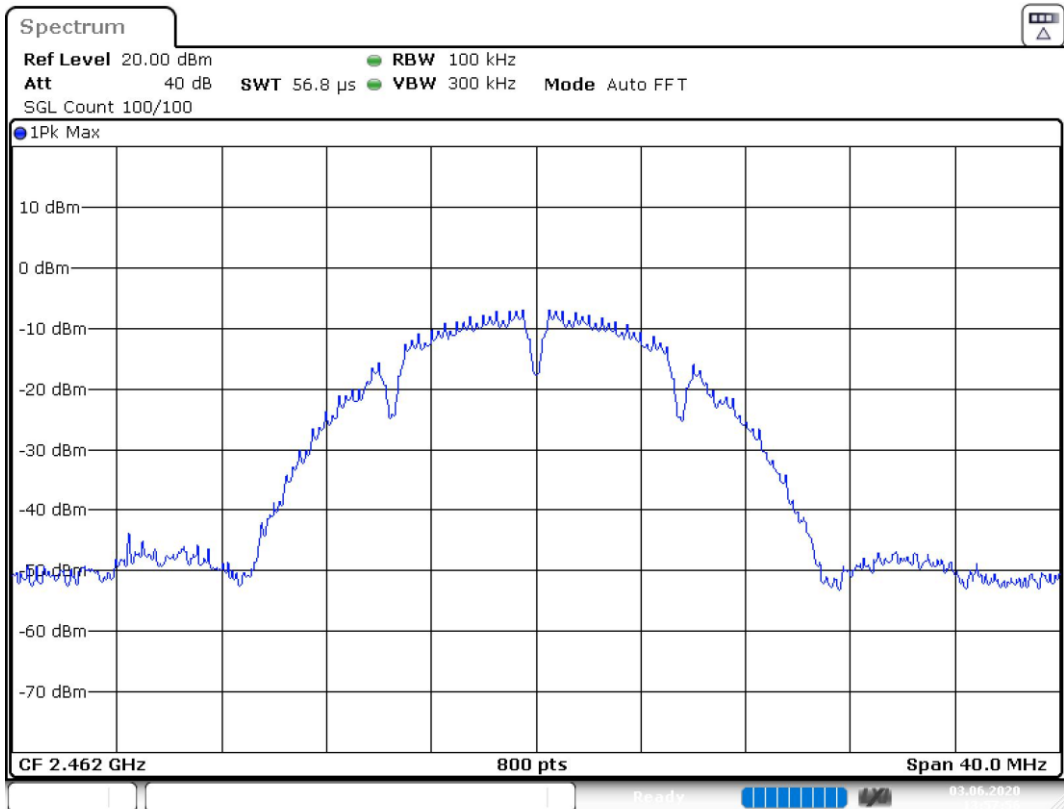
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	9.900000	0.500000	---	2456.925000	2466.825000

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	5.8	PASS

6 dB Bandwidth



Bandwidth



Date: 3.JUN.2020 13:57:55

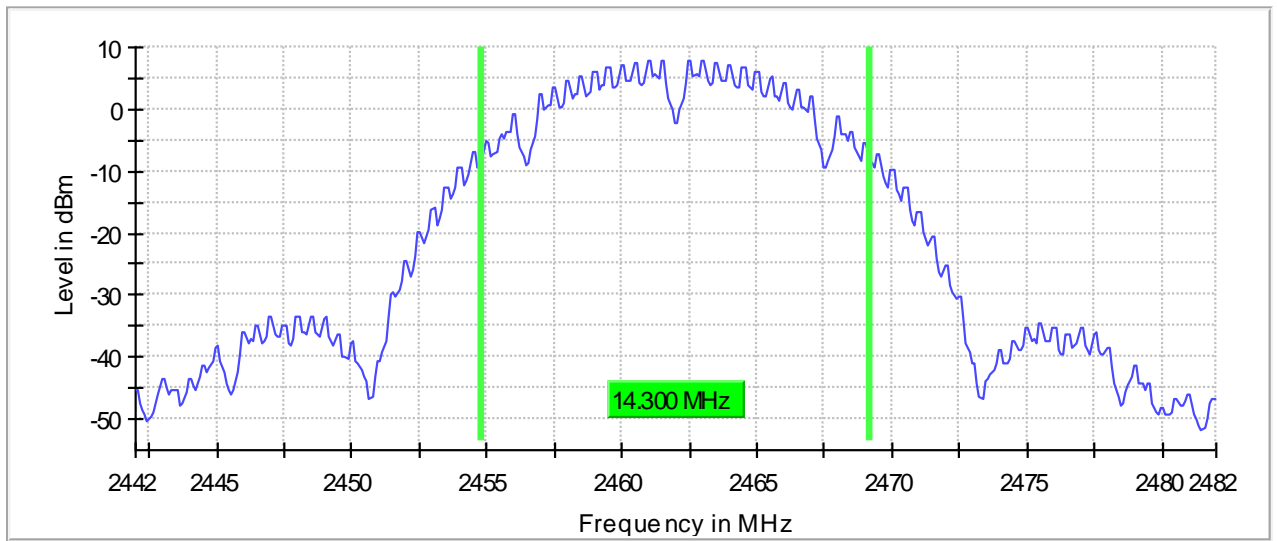
Occupied Channel Bandwidth 99% (2462 MHz; 20.000 dBm; 20 MHz)

99 % Bandwidth

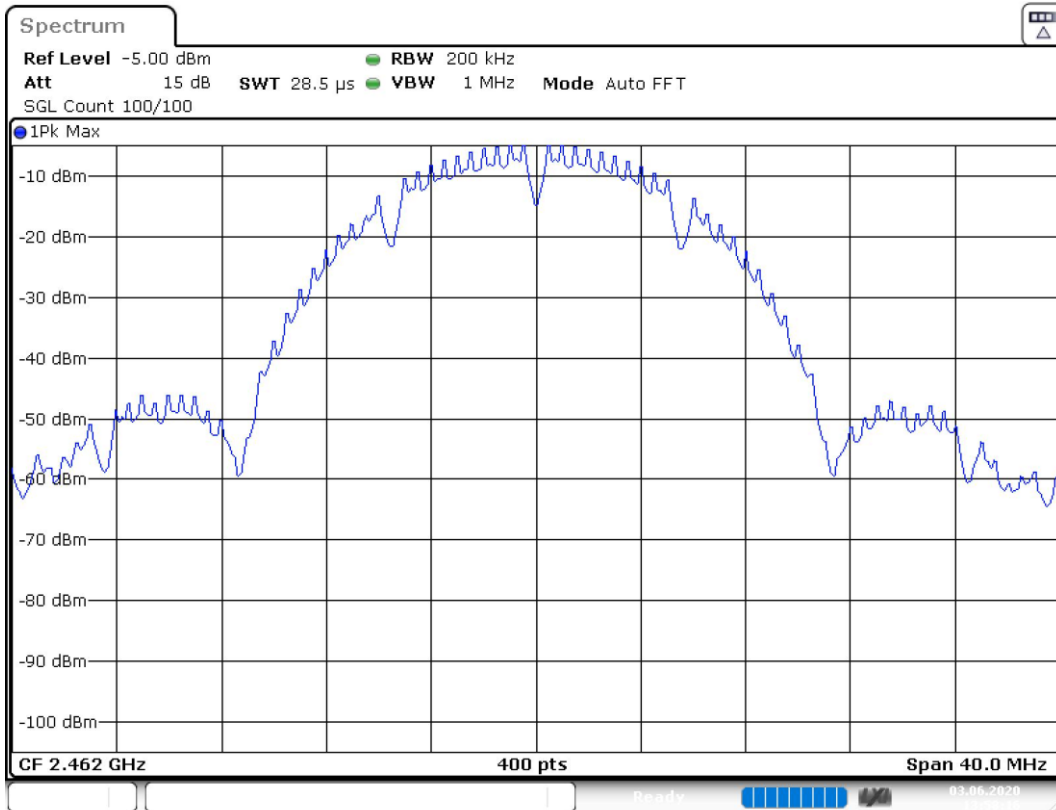
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	14.300000	---	---	2454.850000	2469.150000

DUT Frequency (MHz)	Result
2462.000000	PASS

99 %Bandwidth



Bandwidth



Date: 3.JUN.2020 13:58:16

Tx Spurious Emission (2462 MHz; 20.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2462.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

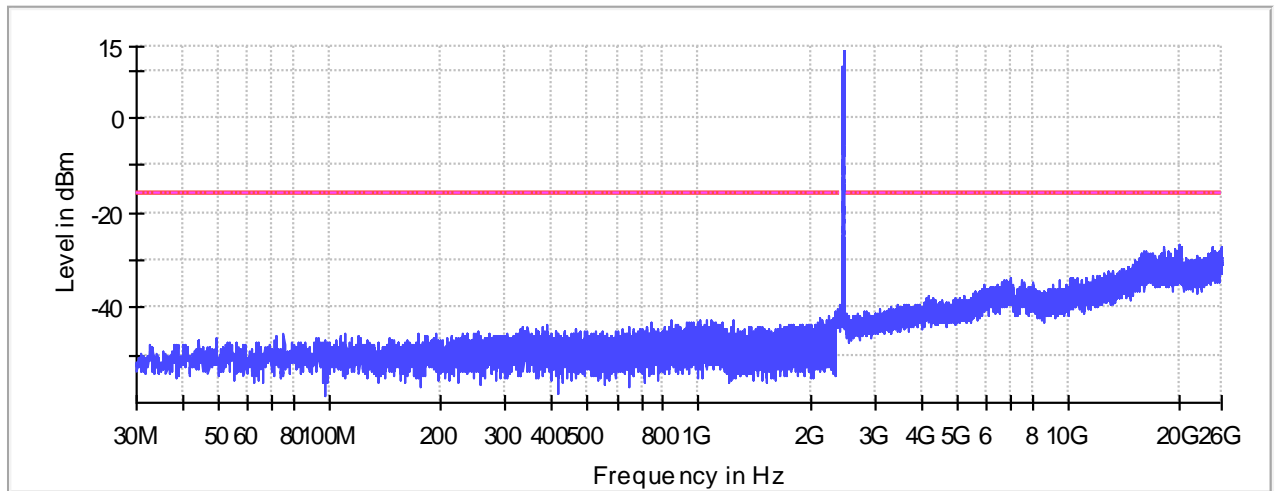
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
19933.300030	-26.9	11.2	-15.7
25932.759609	-27.1	11.3	-15.7
18221.058381	-27.1	11.3	-15.7
24641.597130	-27.1	11.4	-15.7
20227.981962	-27.3	11.6	-15.7
24701.121410	-27.3	11.6	-15.7
20222.837888	-27.5	11.7	-15.7
24550.473540	-27.5	11.7	-15.7
19535.001758	-27.5	11.8	-15.7
25973.912198	-27.5	11.8	-15.7
25973.177330	-27.6	11.8	-15.7
18226.202455	-27.6	11.9	-15.7
25926.880668	-27.6	11.9	-15.7
19892.147441	-27.7	12.0	-15.7
18226.937322	-27.8	12.0	-15.7

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

Spurious



— Limit - - - - Threshold — SumLevel × Critical × Final Critical

WiFi g Mode

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
RF output power	2412.000	20.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2412.000	20.0	20.000000	PASS
Power Spectral Density	2412.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	2412.000	20.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2437.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	2437.000	20.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2462.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	2462.000	20.0	20.000000	PASS

RF output power (2412 MHz; 20.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2412.000000	16.9	30.0	19.9	96.817	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

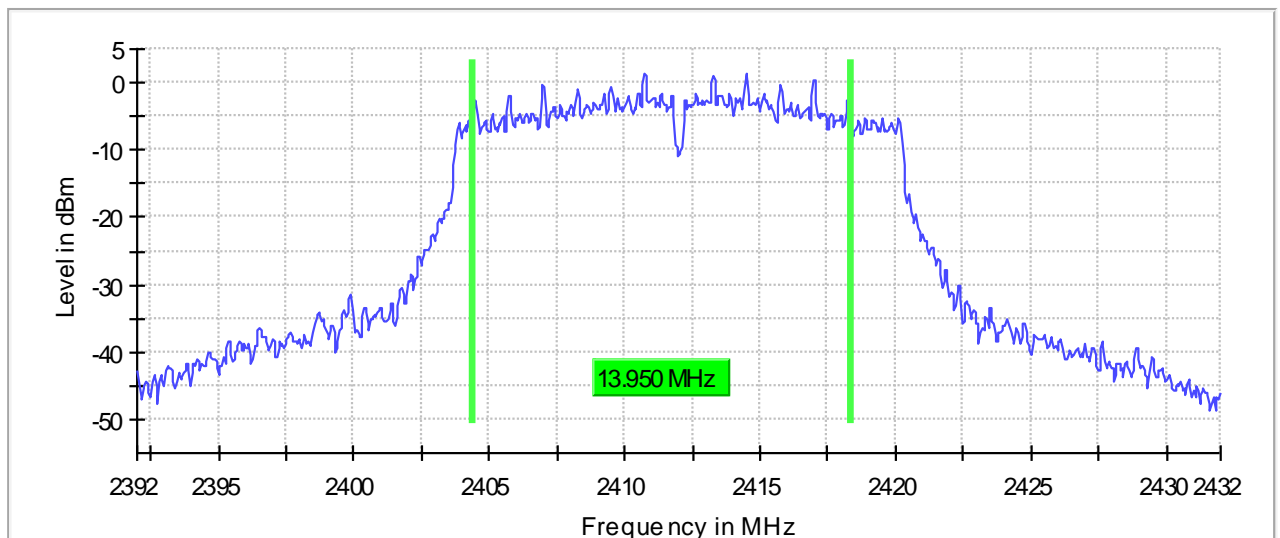
Minimum Emission Bandwidth 6 dB (2412 MHz; 20.000 dBm; 20 MHz)

6 dB Bandwidth

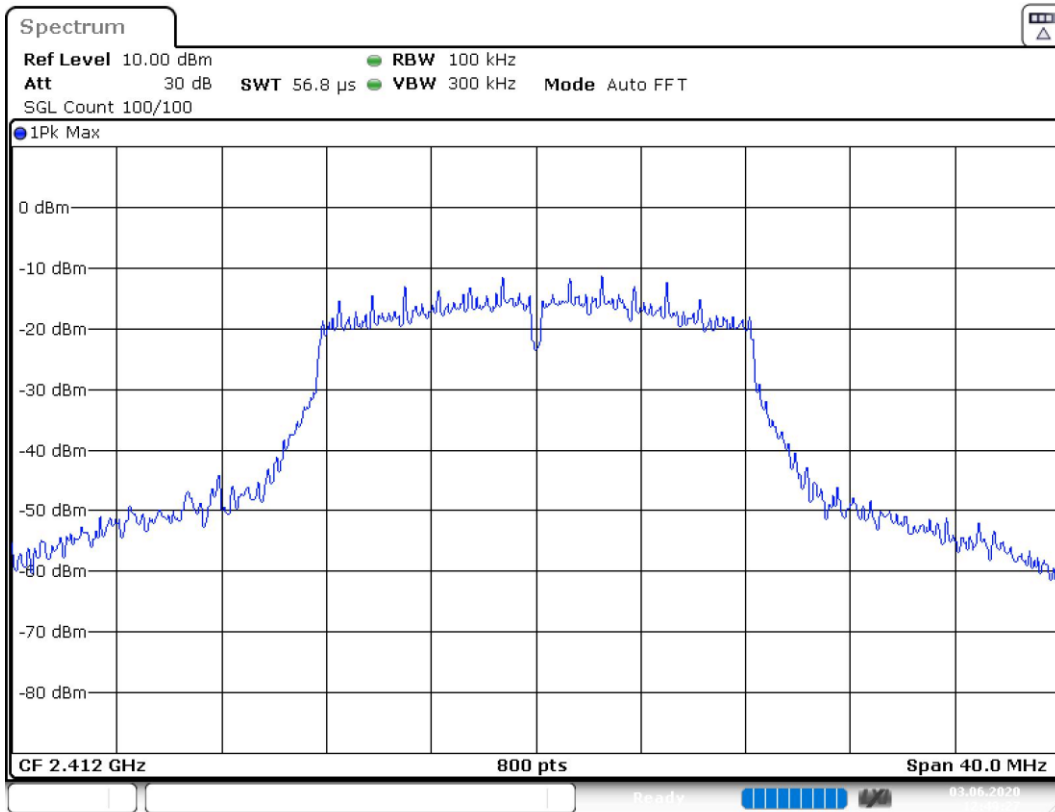
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	13.950000	0.500000	---	2404.425000	2418.375000

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	1.3	PASS

6 dB Bandwidth



Bandwidth



Date: 3.JUN.2020 12:49:28

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweeptime	56.836 μs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

Power Spectral Density (2412 MHz; 20.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2411.675000	-4.000	8.0	PASS

Ports

Port	State
1	used
2	used

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.42700 GHz	2.42700 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
Sweeptime	1.040 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	Sweep	Sweep
Preamp	off	off

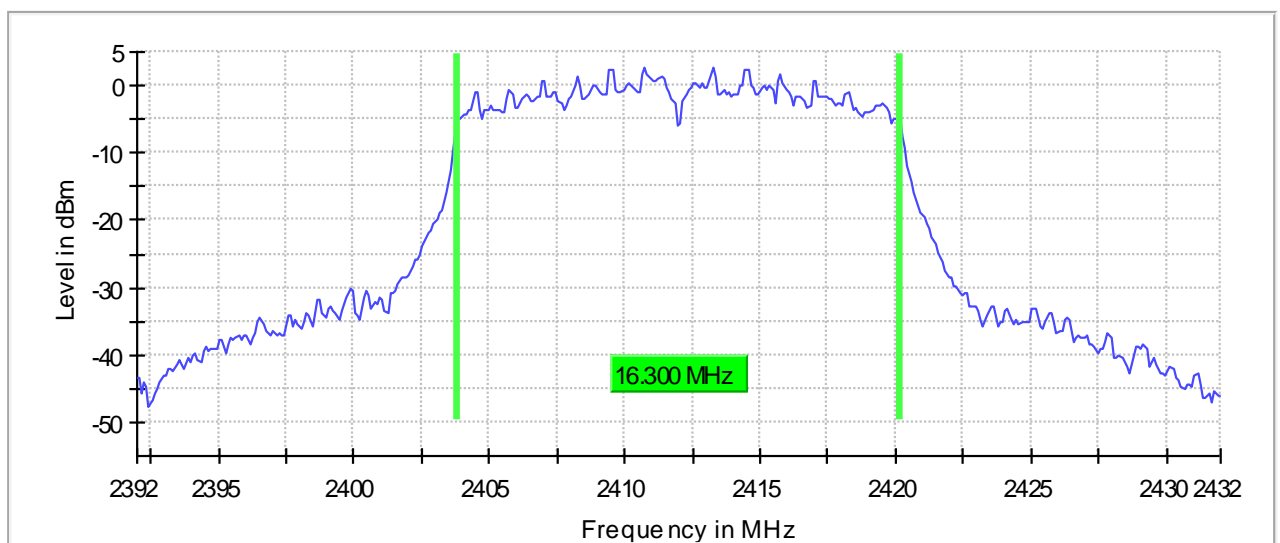
Occupied Channel Bandwidth 99% (2412 MHz; 20.000 dBm; 20 MHz)

99 % Bandwidth

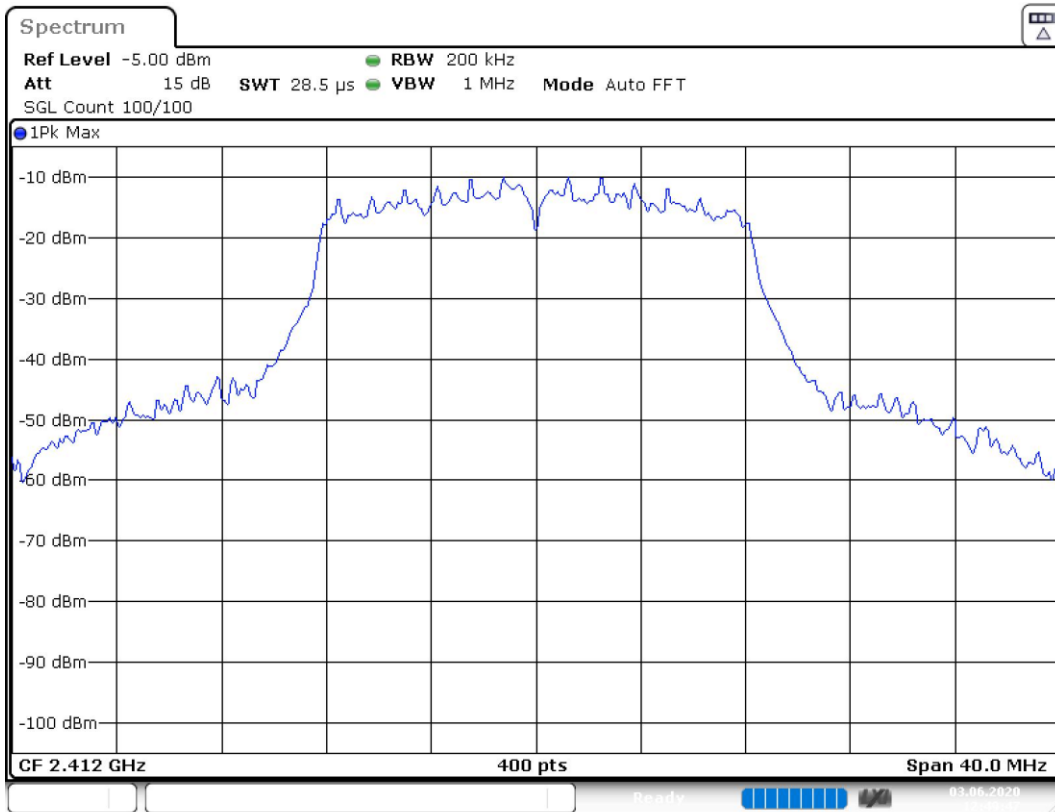
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	16.300000	---	---	2403.850000	2420.150000

DUT Frequency (MHz)	Result
2412.000000	PASS

99%Bandwidth



Bandwidth



Date: 3.JUN.2020 12:49:48

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 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	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

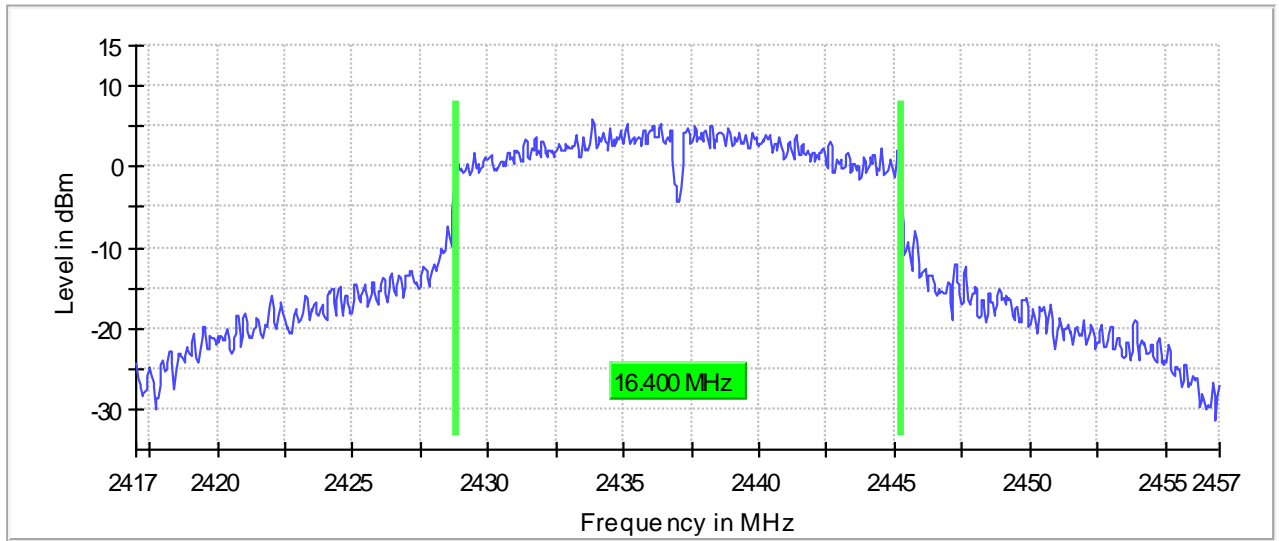
Minimum Emission Bandwidth 6 dB (2437 MHz; 20.000 dBm; 20 MHz)

6 dB Bandwidth

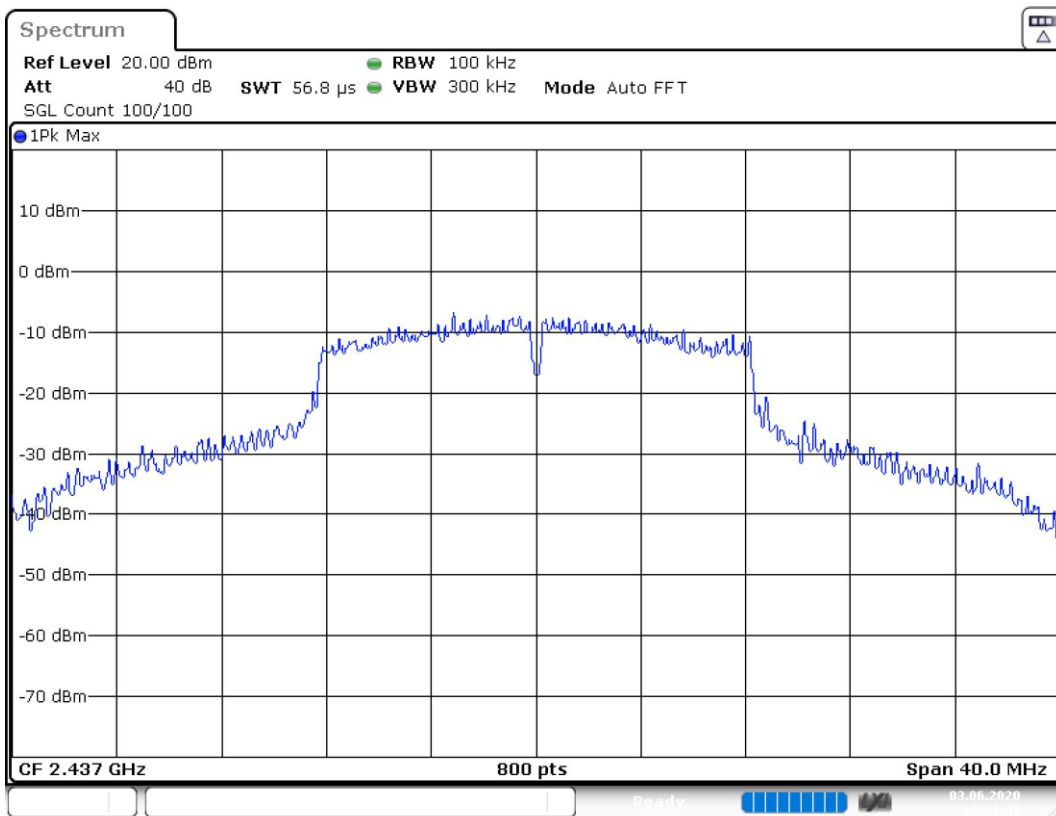
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	16.400000	0.500000	--	2428.825000	2445.225000

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	6.0	PASS

6 dB Bandwidth



Bandwidth



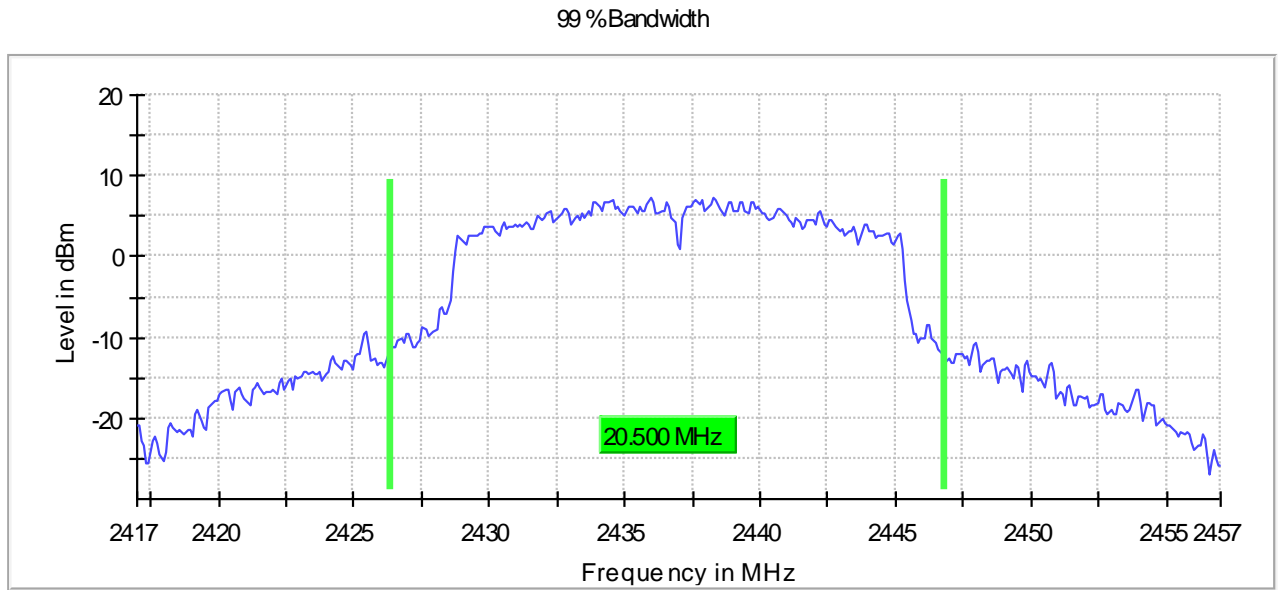
Date: 3.JUN.2020 13:21:49

Occupied Channel Bandwidth 99% (2437 MHz; 20.000 dBm; 20 MHz)

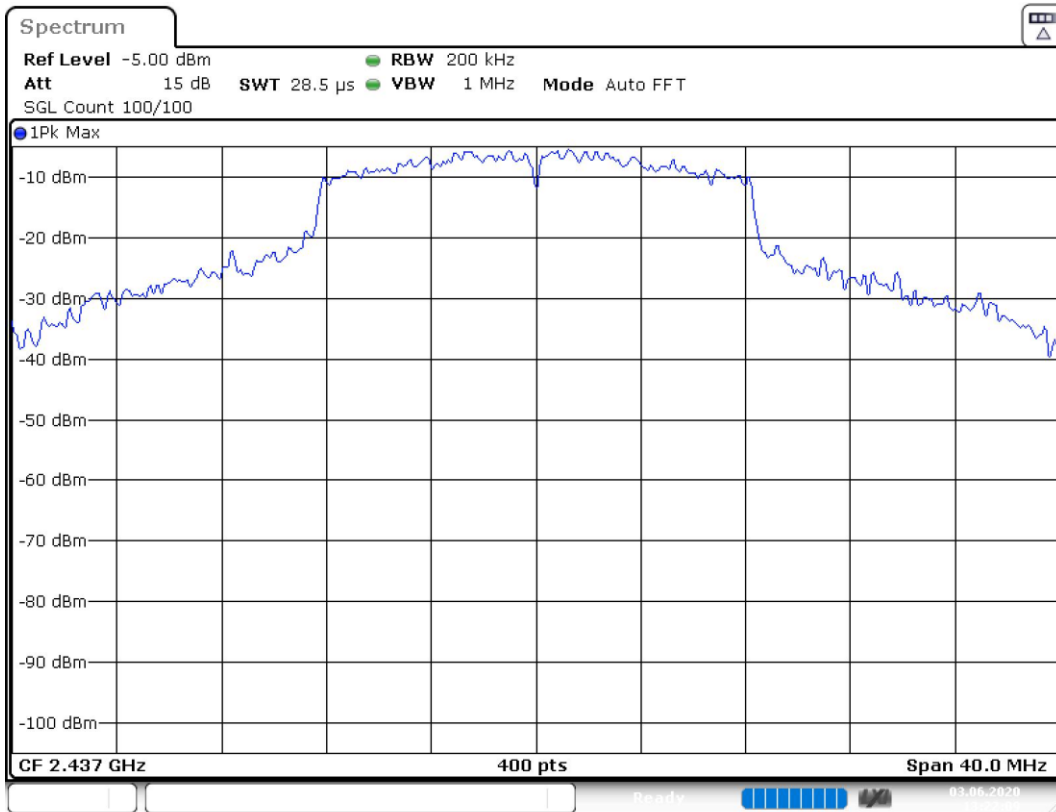
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	20.500000	---	---	2426.350000	2446.850000

DUT Frequency (MHz)	Result
2437.000000	PASS



Bandwidth



Date: 3.JUN.2020 13:22:10

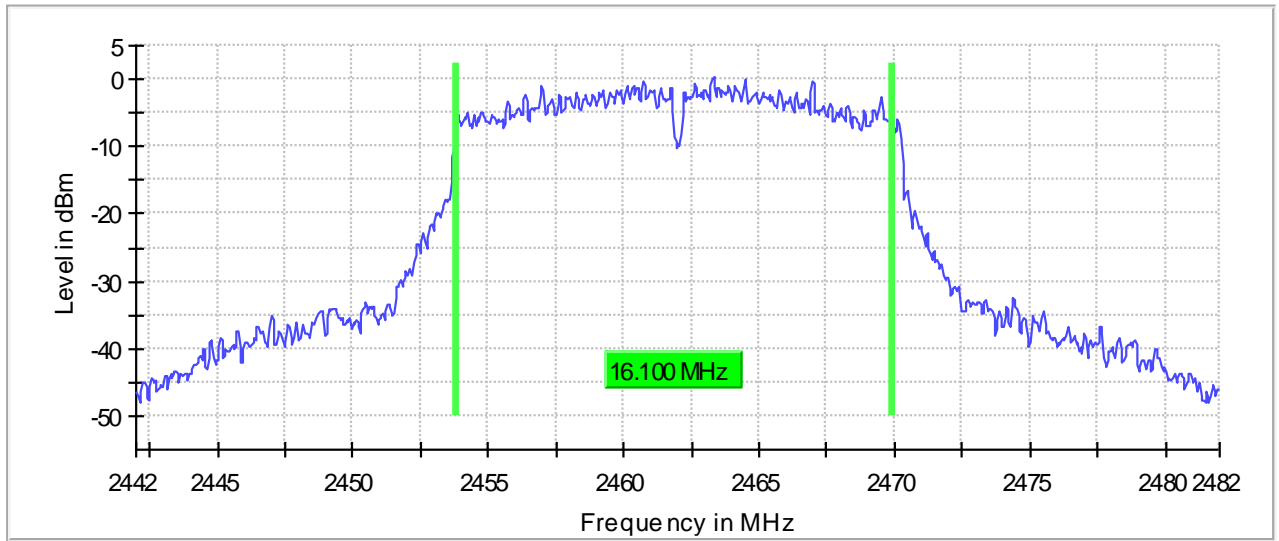
Minimum Emission Bandwidth 6 dB (2462 MHz; 20.000 dBm; 20 MHz)

6 dB Bandwidth

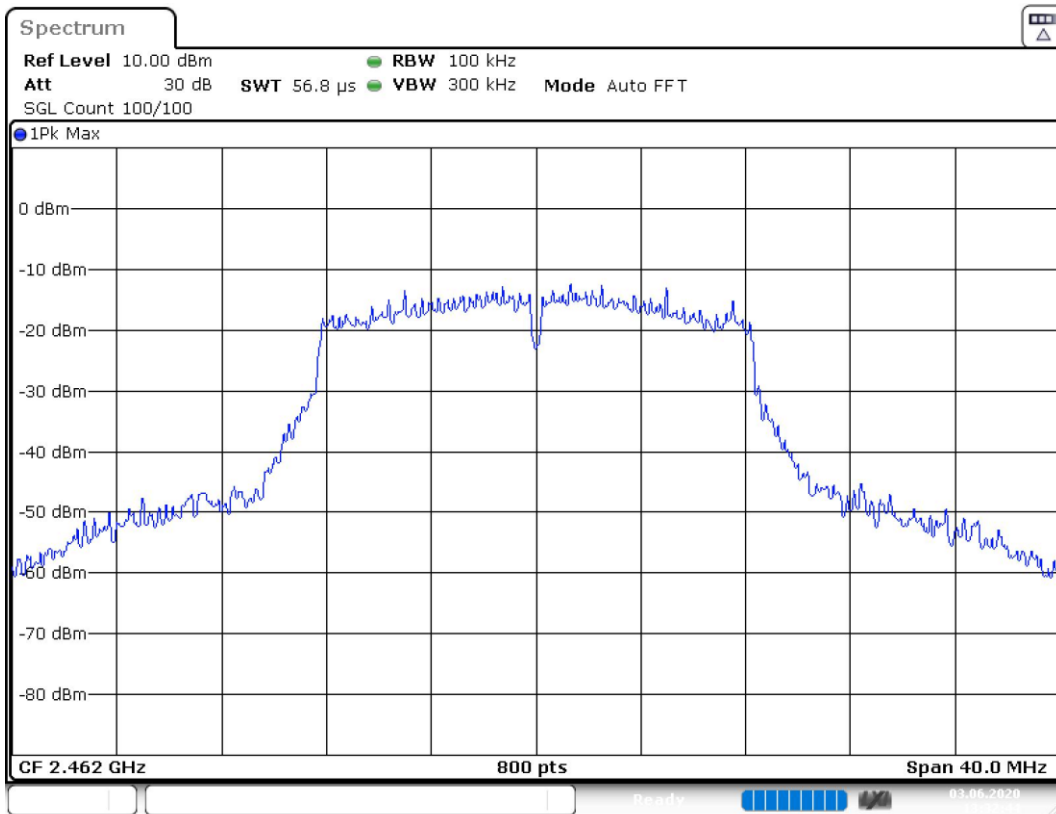
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	16.100000	0.500000	---	2453.825000	2469.925000

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	0.2	PASS

6 dB Bandwidth



Bandwidth



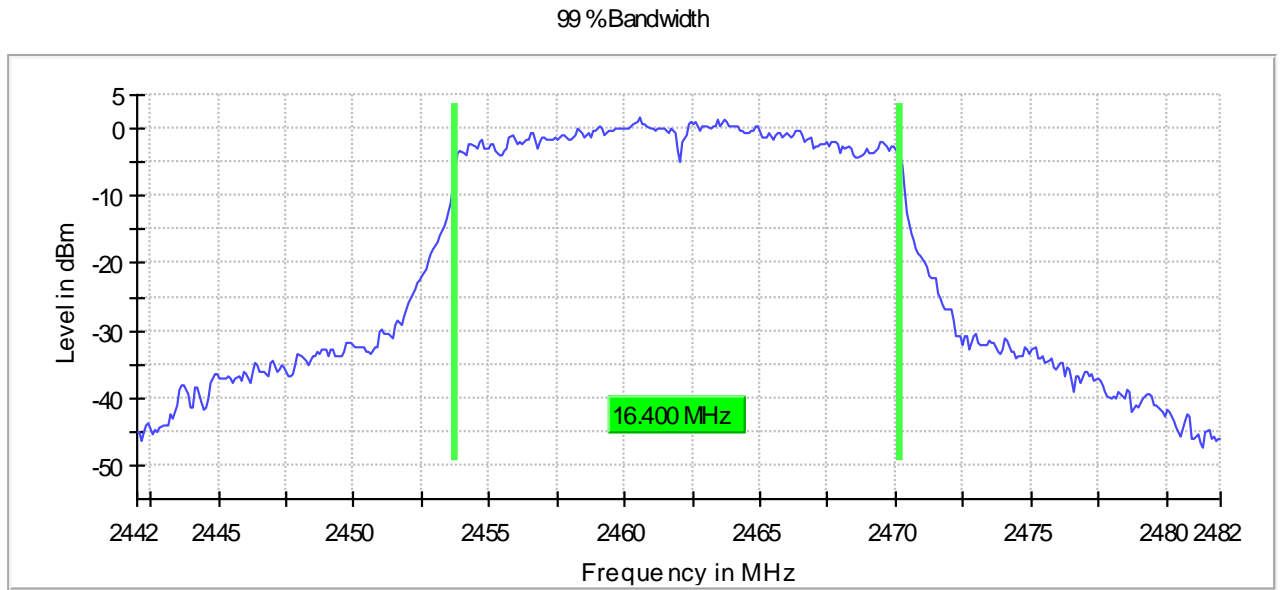
Date: 3.JUN.2020 13:32:45

Occupied Channel Bandwidth 99% (2462 MHz; 20.000 dBm; 20 MHz)

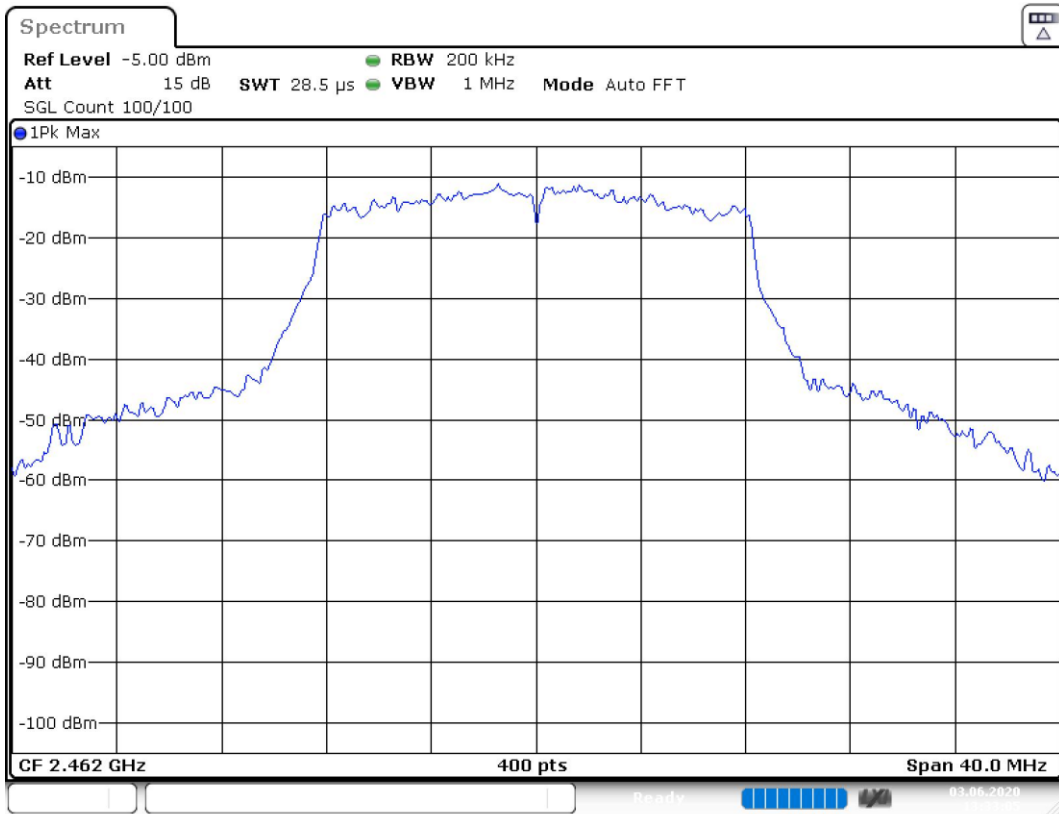
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	16.400000	---	---	2453.750000	2470.150000

DUT Frequency (MHz)	Result
2462.000000	PASS



Bandwidth



Date: 3.JUN.2020 13:33:06

WiFi n Mode

Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
RF output power	2412.000	20.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2412.000	20.0	20.000000	PASS
Power Spectral Density	2412.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	2412.000	20.0	20.000000	PASS
Tx Spurious Emission	2412.000	20.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2437.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	2437.000	20.0	20.000000	PASS
Tx Spurious Emission	2437.000	20.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2462.000	20.0	20.000000	PASS
Occupied Channel Bandwidth 99%	2462.000	20.0	20.000000	PASS
Tx Spurious Emission	2462.000	20.0	20.000000	PASS
Minimum Emission Bandwidth 6 dB	2422.000	20.0	40.000000	PASS
Occupied Channel Bandwidth 99%	2422.000	20.0	40.000000	PASS
Tx Spurious Emission	2422.000	20.0	40.000000	PASS
Minimum Emission Bandwidth 6 dB	2437.000	20.0	40.000000	PASS
Occupied Channel Bandwidth 99%	2437.000	20.0	40.000000	PASS
Tx Spurious Emission	2437.000	20.0	40.000000	PASS
Minimum Emission Bandwidth 6 dB	2452.000	20.0	40.000000	PASS
Occupied Channel Bandwidth 99%	2452.000	20.0	40.000000	PASS
Tx Spurious Emission	2452.000	20.0	40.000000	PASS

RF output power (2412 MHz; 20.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2412.000000	15.9	30.0	18.9	96.409	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

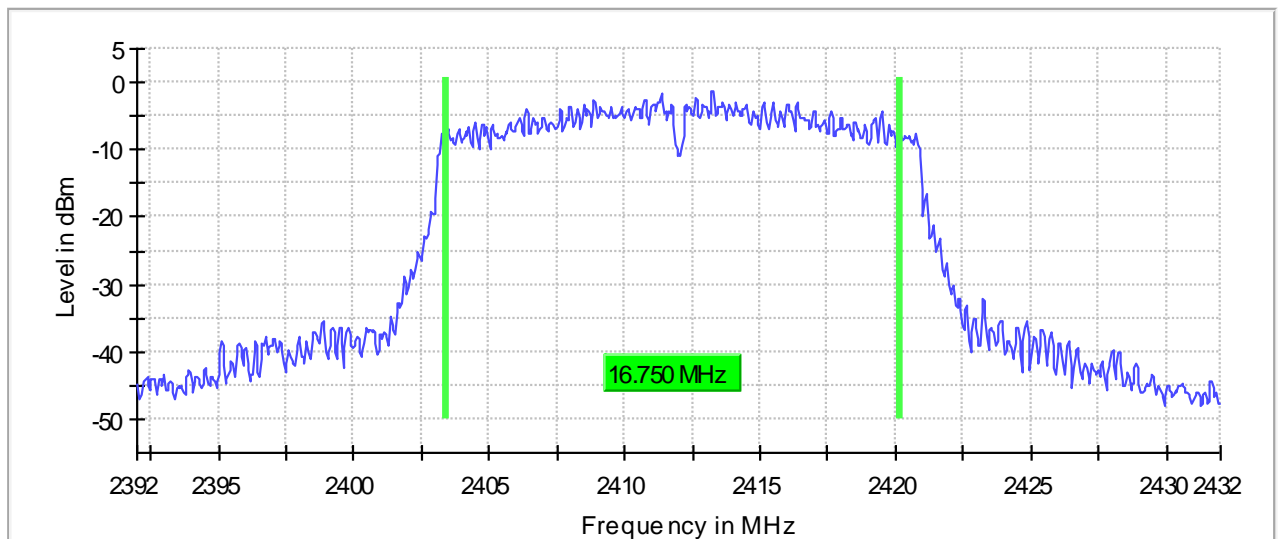
Minimum Emission Bandwidth 6 dB (2412 MHz; 20.000 dBm; 20 MHz)

6 dB Bandwidth

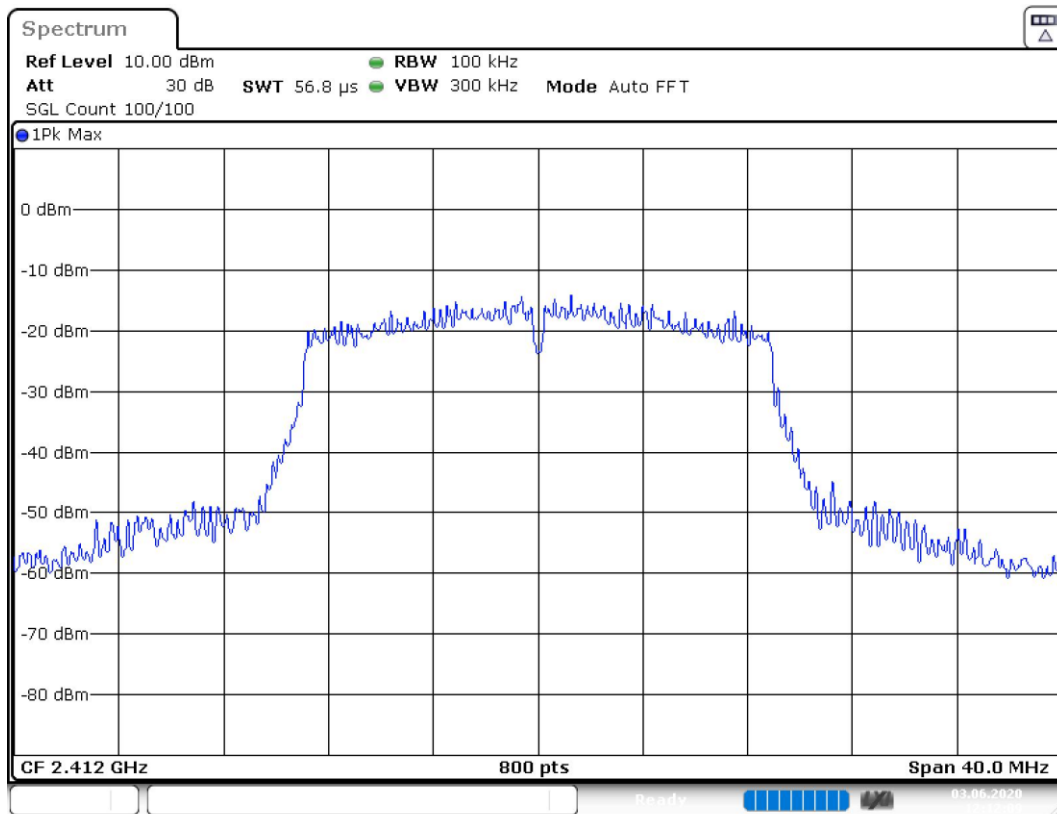
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	16.750000	0.500000	---	2403.425000	2420.175000

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	-1.4	PASS

6 dB Bandwidth



Bandwidth



Date: 3.JUN.2020 12:12:09

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweeptime	56.836 μs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

Power Spectral Density (2412 MHz; 20.000 dBm; 20 MHz)

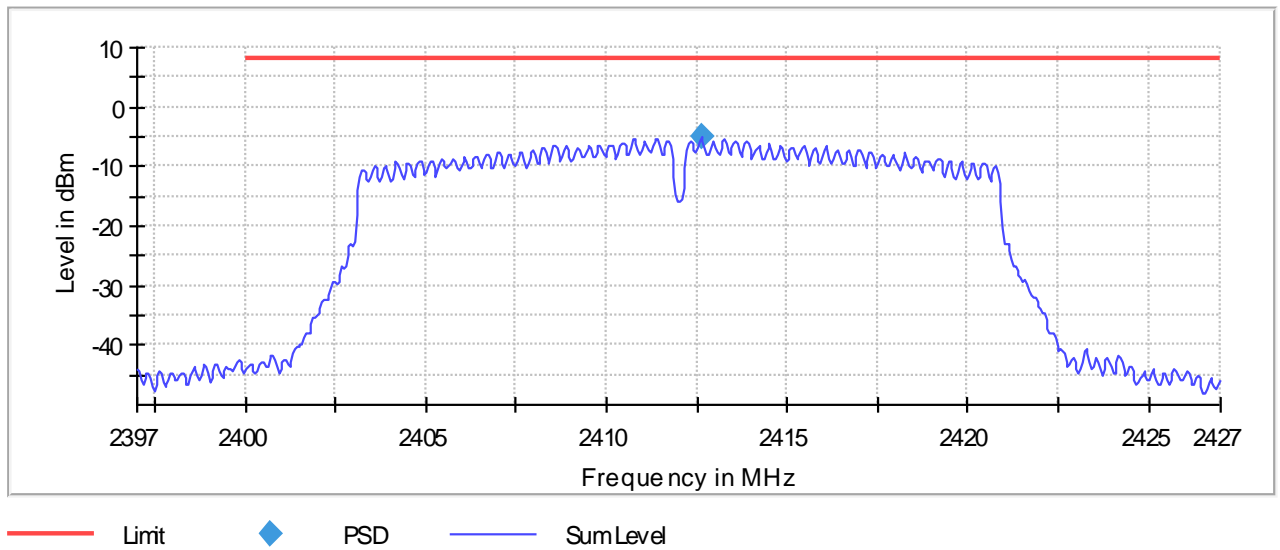
Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2412.625000	-4.952	8.0	PASS

Ports

Port	State
1	used
2	used

Power Spectral Density



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.42700 GHz	2.42700 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
SweepTime	1.040 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Average Power	Average Power
SweepType	Sweep	Sweep
Preamp	off	off

Occupied Channel Bandwidth 99% (2412 MHz; 20.000 dBm; 20 MHz)

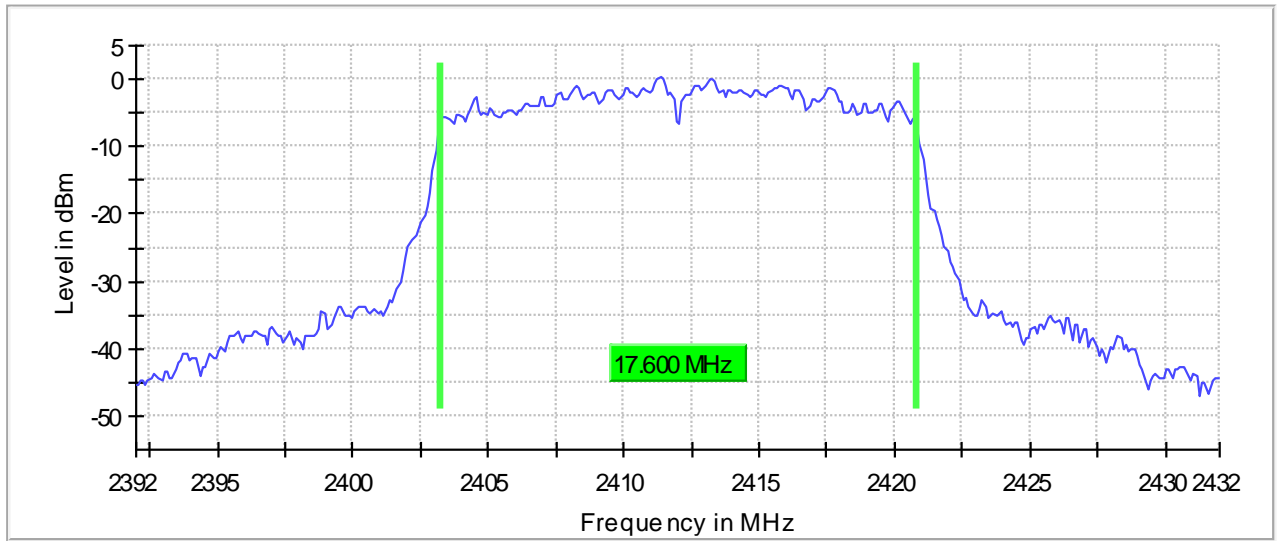
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	17.600000	---	---	2403.250000	2420.850000

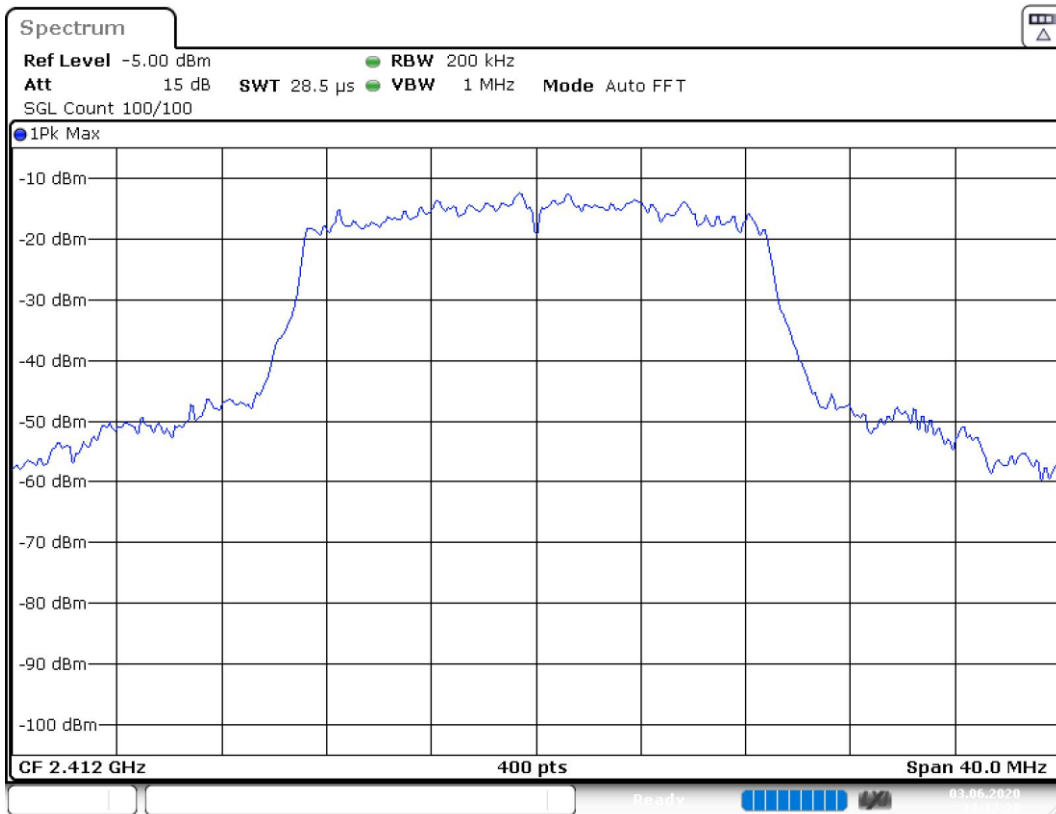
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2412.000000	PASS

99 %Bandwidth



Bandwidth



Date: 3.JUN.2020 12:12:29

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 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	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off

Tx Spurious Emission (2412 MHz; 20.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2412.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

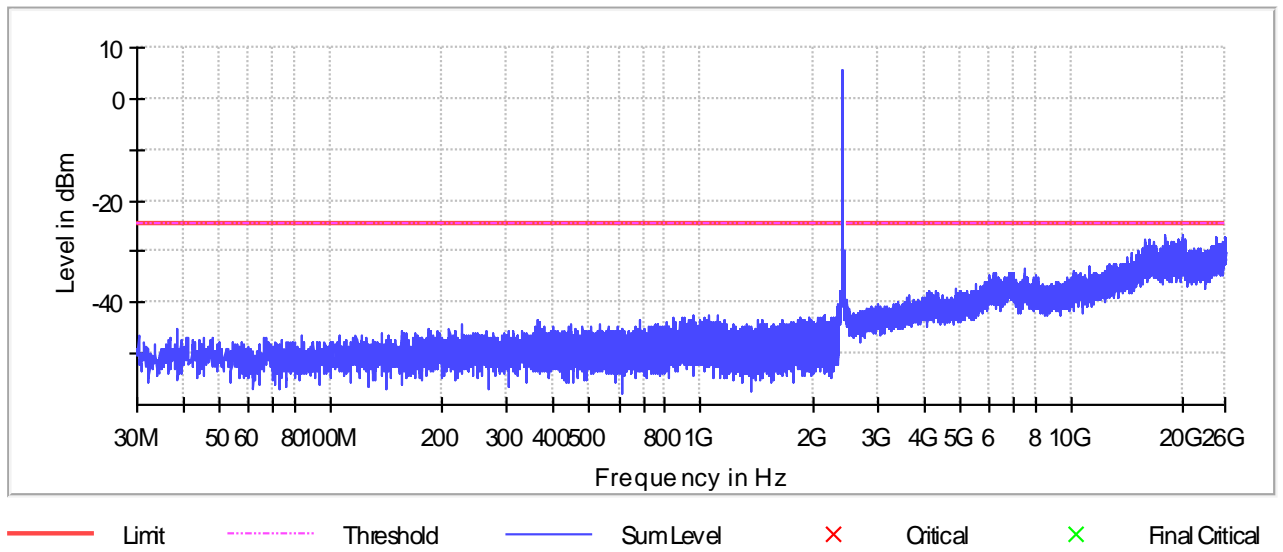
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
17910.944228	-26.6	2.1	-24.5
19891.412573	-26.7	2.2	-24.5
24562.966290	-27.0	2.4	-24.5
19914.193471	-27.0	2.5	-24.5
25964.358918	-27.1	2.6	-24.5
17888.898198	-27.1	2.6	-24.5
25945.987227	-27.2	2.7	-24.5
25949.661565	-27.2	2.7	-24.5
24596.035335	-27.4	2.9	-24.5
24557.087349	-27.4	2.9	-24.5
15908.429854	-27.6	3.1	-24.5
19897.291514	-27.6	3.1	-24.5
24595.300467	-27.7	3.2	-24.5
24637.922791	-27.7	3.2	-24.5
19912.723735	-27.7	3.2	-24.5

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

Spurious



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	32001	~ 46400
Sweeptime	32.100 ms	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off

Pre Measurement 2

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	2670	~ 2670
Sweeptime	151.563 μ s	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	40.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	300	300
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off

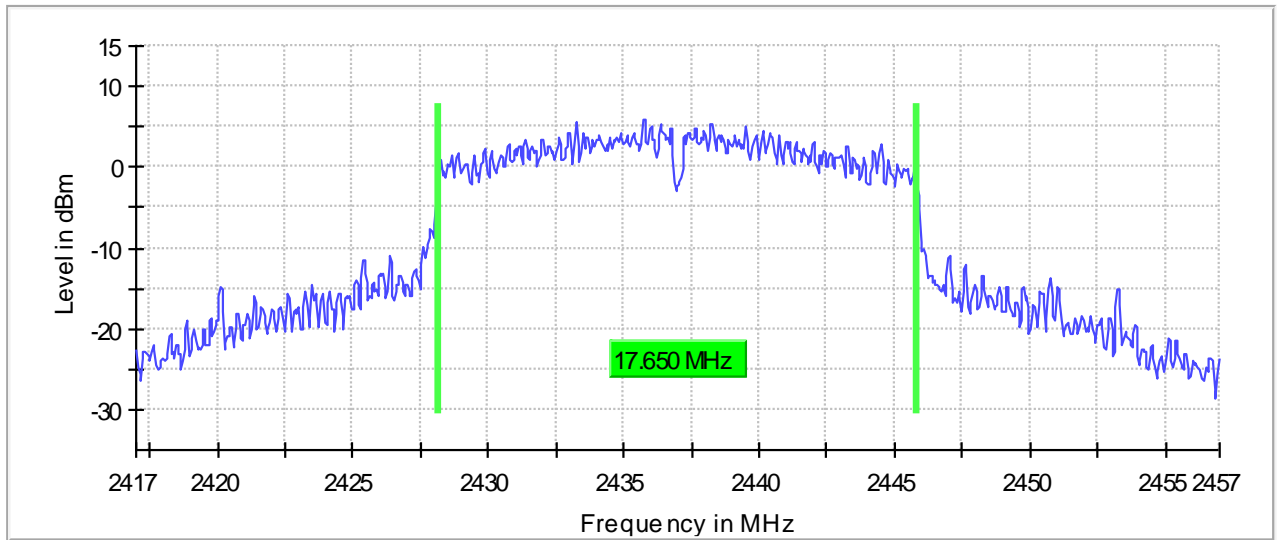
Minimum Emission Bandwidth 6 dB (2437 MHz; 20.000 dBm; 20 MHz)

6 dB Bandwidth

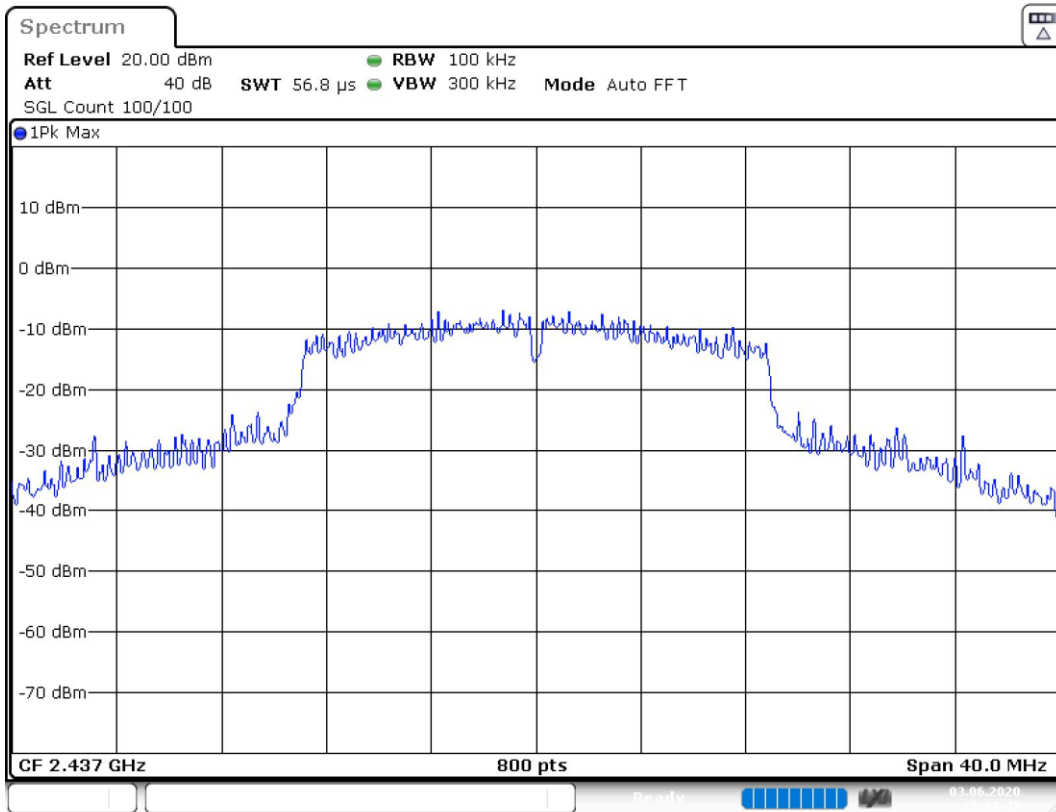
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	17.650000	0.500000	---	2428.175000	2445.825000

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	5.8	PASS

6 dB Bandwidth



Bandwidth



Date: 3.JUN.2020 12:19:43

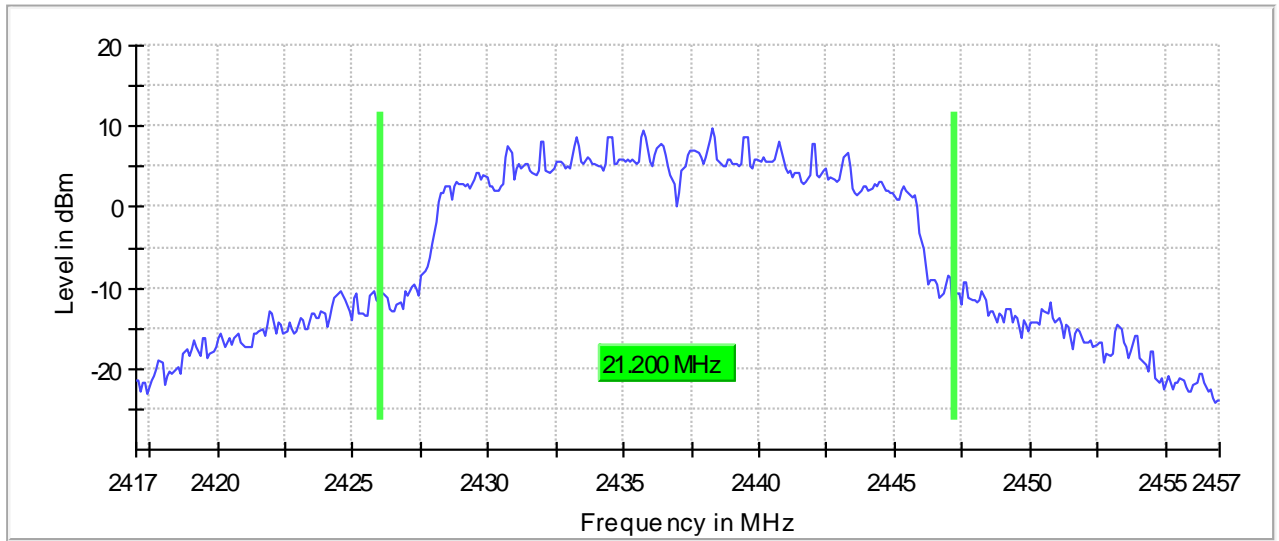
Occupied Channel Bandwidth 99% (2437 MHz; 20.000 dBm; 20 MHz)

99 % Bandwidth

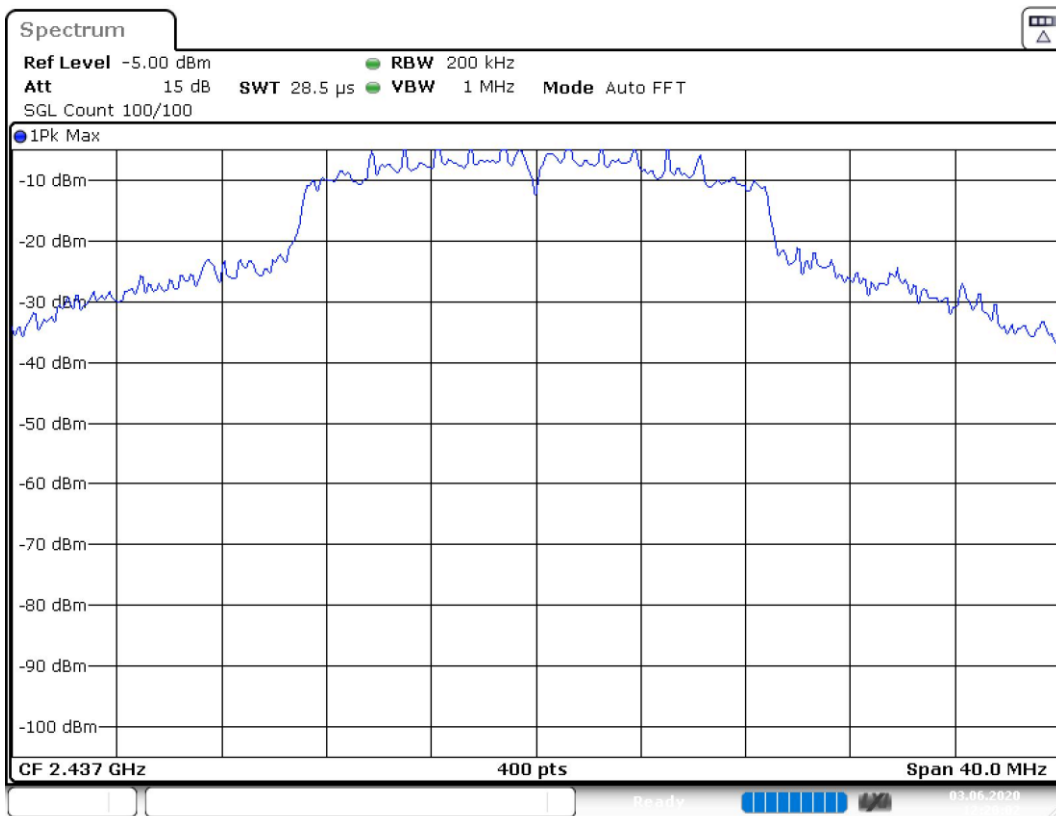
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	21.200000	---	---	2426.050000	2447.250000

DUT Frequency (MHz)	Result
2437.000000	PASS

99 %Bandwidth



Bandwidth



Date: 3.JUN.2020 12:20:03

Tx Spurious Emission (2437 MHz; 20.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

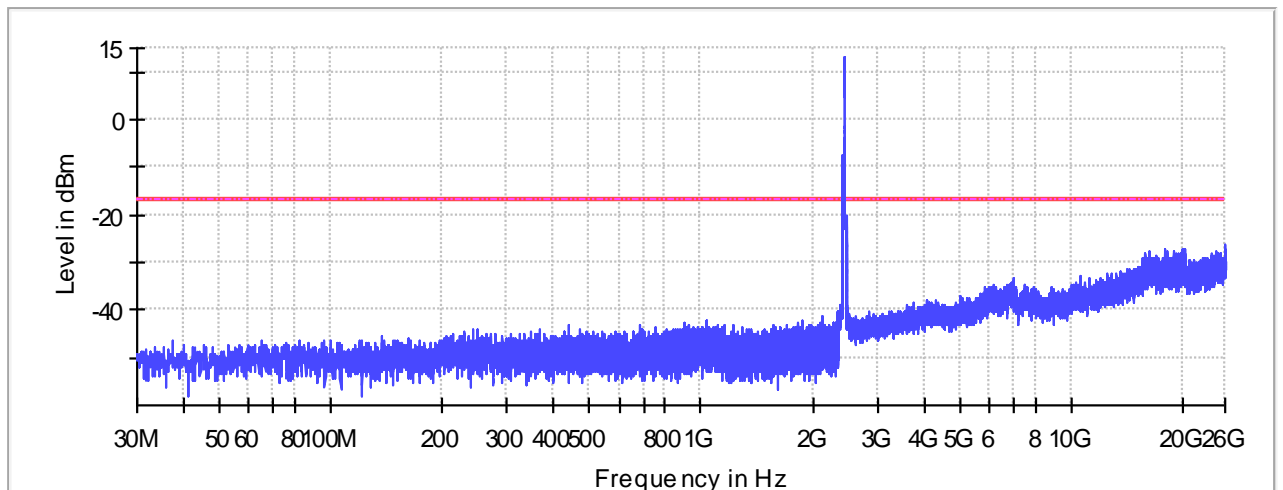
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
25909.243844	-26.3	9.5	-16.8
17906.535022	-27.0	10.2	-16.8
19898.026382	-27.0	10.2	-16.8
25962.154315	-27.1	10.3	-16.8
19896.556647	-27.1	10.3	-16.8
19881.859293	-27.2	10.4	-16.8
20261.785874	-27.2	10.4	-16.8
25943.047756	-27.3	10.5	-16.8
25902.630035	-27.4	10.6	-16.8
16188.414432	-27.5	10.7	-16.8
25903.364903	-27.6	10.8	-16.8
17888.163331	-27.6	10.8	-16.8
25904.099770	-27.6	10.8	-16.8
18218.853778	-27.6	10.8	-16.8
24573.989305	-27.7	10.8	-16.8

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

Spurious



— Limit - - - - Threshold — SumLevel × Critical × Final Critical

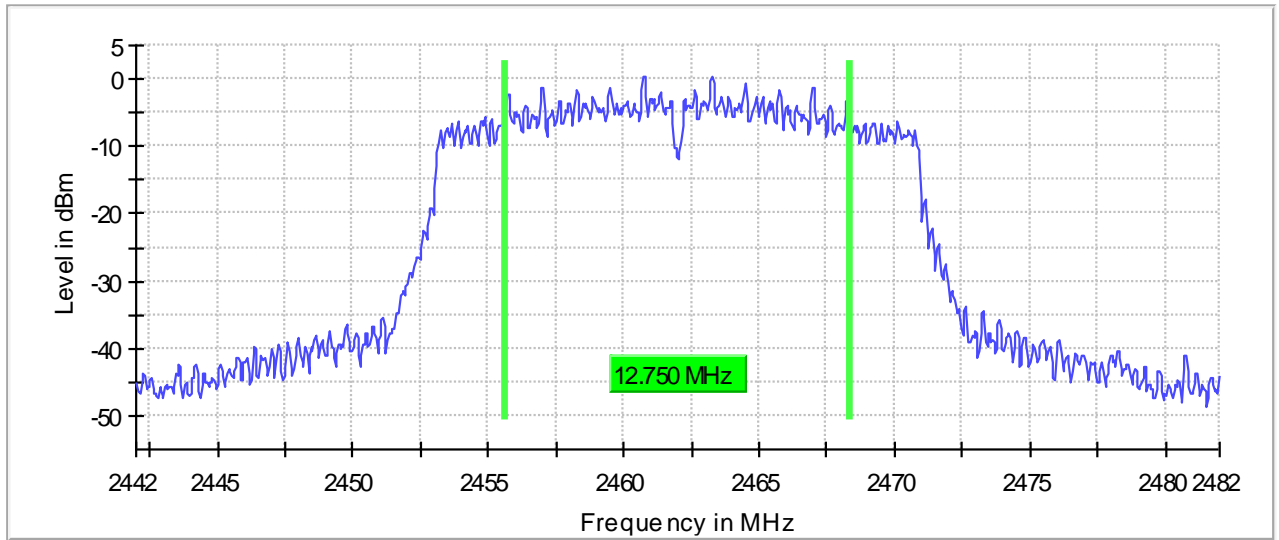
Minimum Emission Bandwidth 6 dB (2462 MHz; 20.000 dBm; 20 MHz)

6 dB Bandwidth

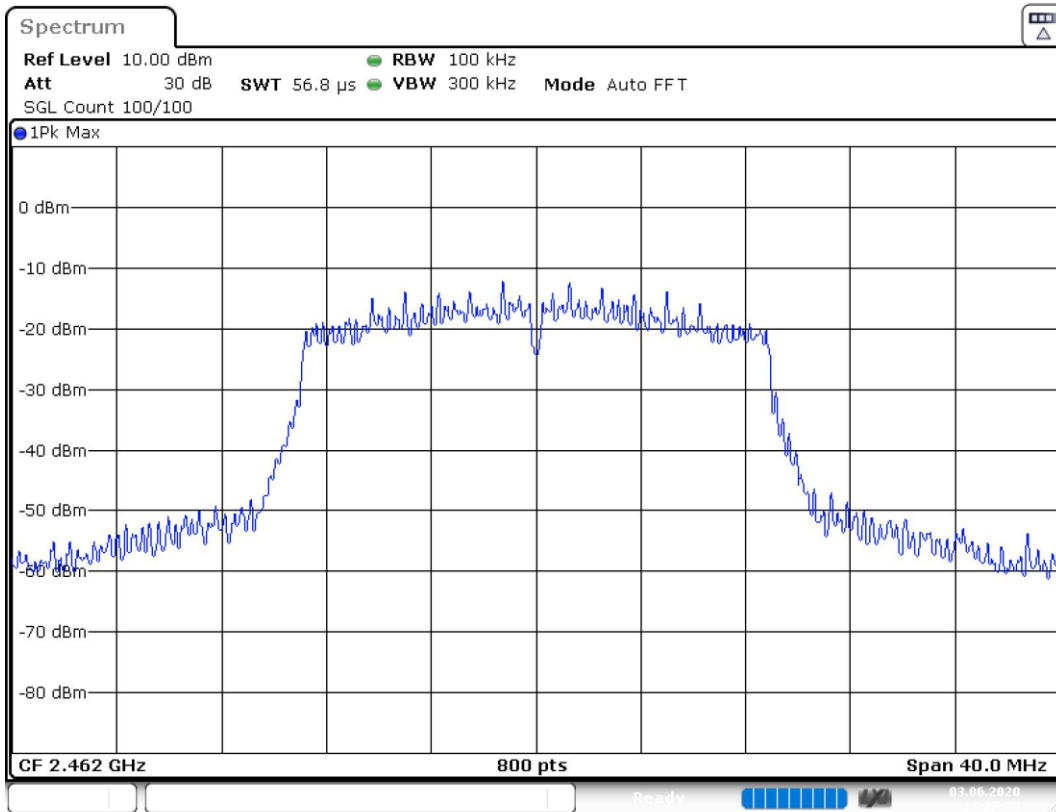
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	12.750000	0.500000	---	2455.625000	2468.375000

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	0.5	PASS

6 dB Bandwidth



Bandwidth



Date: 3.JUN.2020 12:27:34

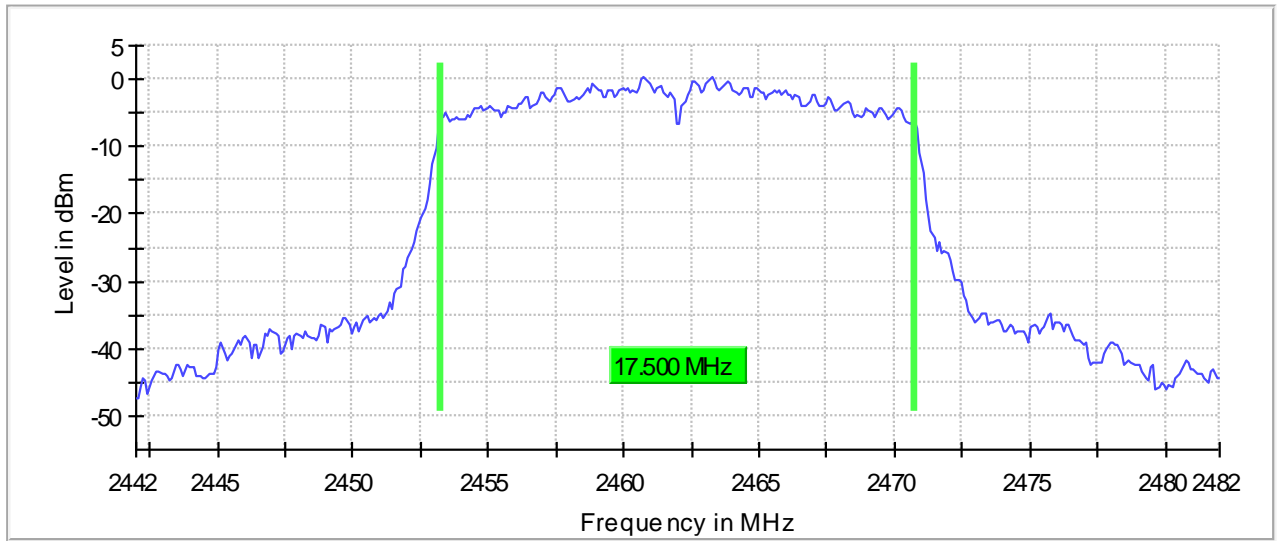
Occupied Channel Bandwidth 99% (2462 MHz; 20.000 dBm; 20 MHz)

99 % Bandwidth

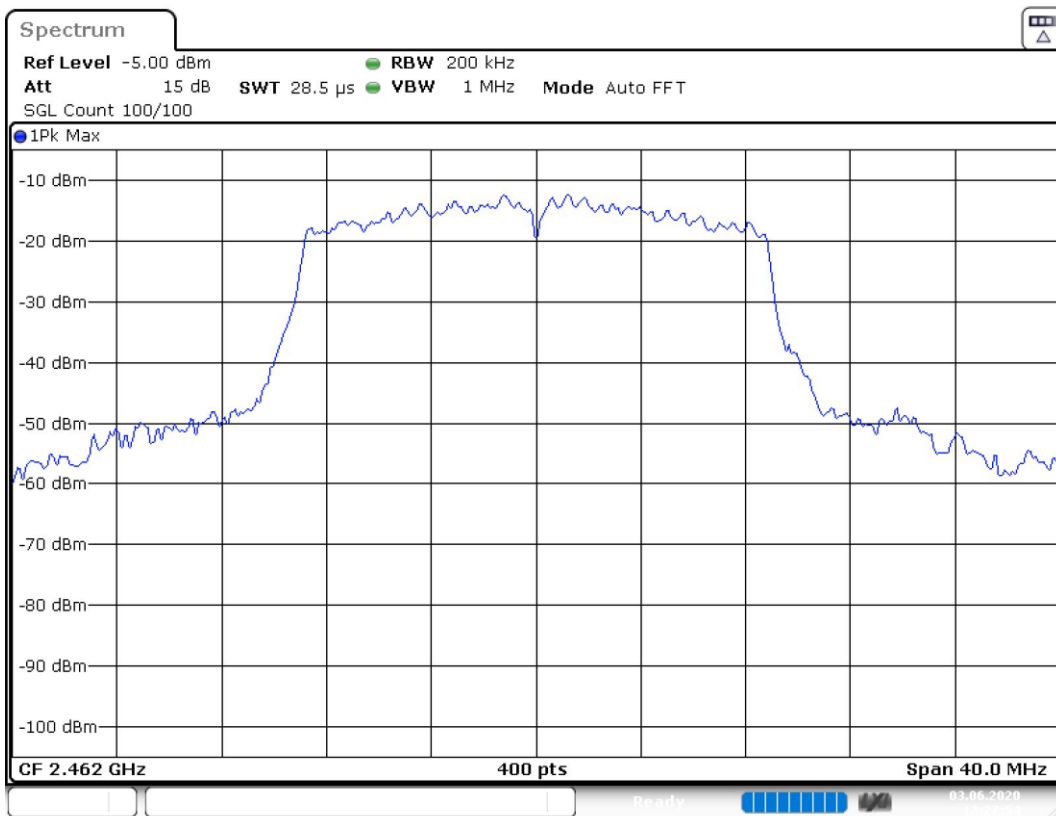
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	17.500000	---	---	2453.250000	2470.750000

DUT Frequency (MHz)	Result
2462.000000	PASS

99 %Bandwidth



Bandwidth



Date: 3.JUN.2020 12:27:55

Tx Spurious Emission (2462 MHz; 20.000 dBm; 20 MHz)

Result

DUT Frequency (MHz)	Result
2462.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

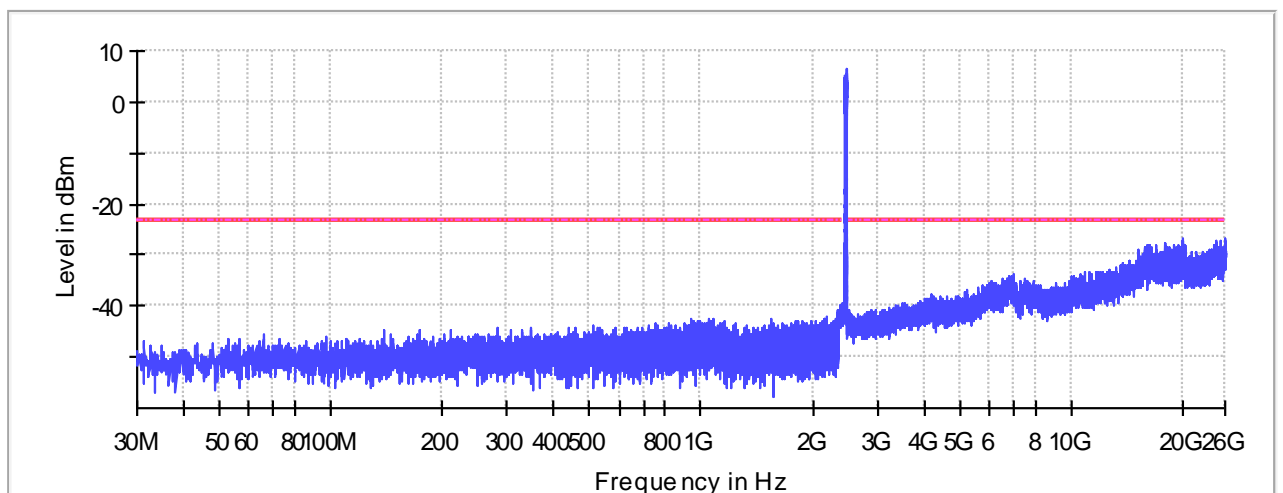
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
25951.866168	-26.7	3.3	-23.4
19887.003367	-26.9	3.5	-23.4
19913.458603	-27.0	3.6	-23.4
25899.690564	-27.0	3.6	-23.4
25226.551787	-27.2	3.8	-23.4
24562.231422	-27.2	3.8	-23.4
19873.775749	-27.2	3.8	-23.4
19896.556647	-27.3	3.8	-23.4
17914.618567	-27.5	4.0	-23.4
25912.183315	-27.5	4.1	-23.4
25952.601036	-27.5	4.1	-23.4
24551.208408	-27.6	4.2	-23.4
25821.059725	-27.6	4.2	-23.4
25875.439932	-27.6	4.2	-23.4
19960.490133	-27.7	4.3	-23.4

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

Spurious



— Limit - - - - - Threshold — SumLevel × Critical × Final Critical

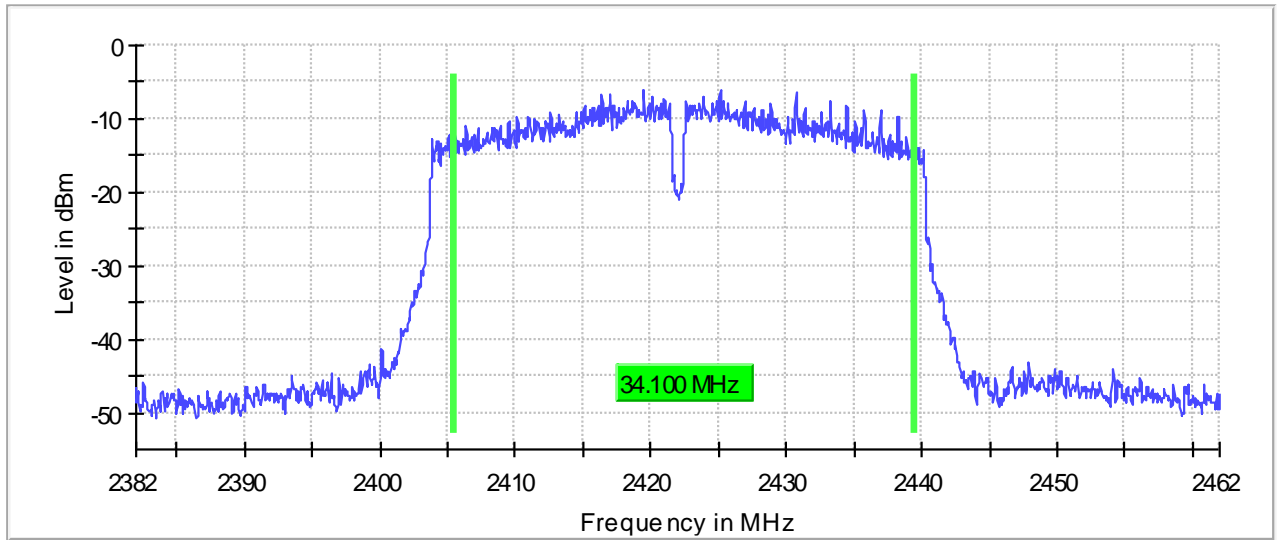
Minimum Emission Bandwidth 6 dB (2422 MHz; 20.000 dBm; 40 MHz)

6 dB Bandwidth

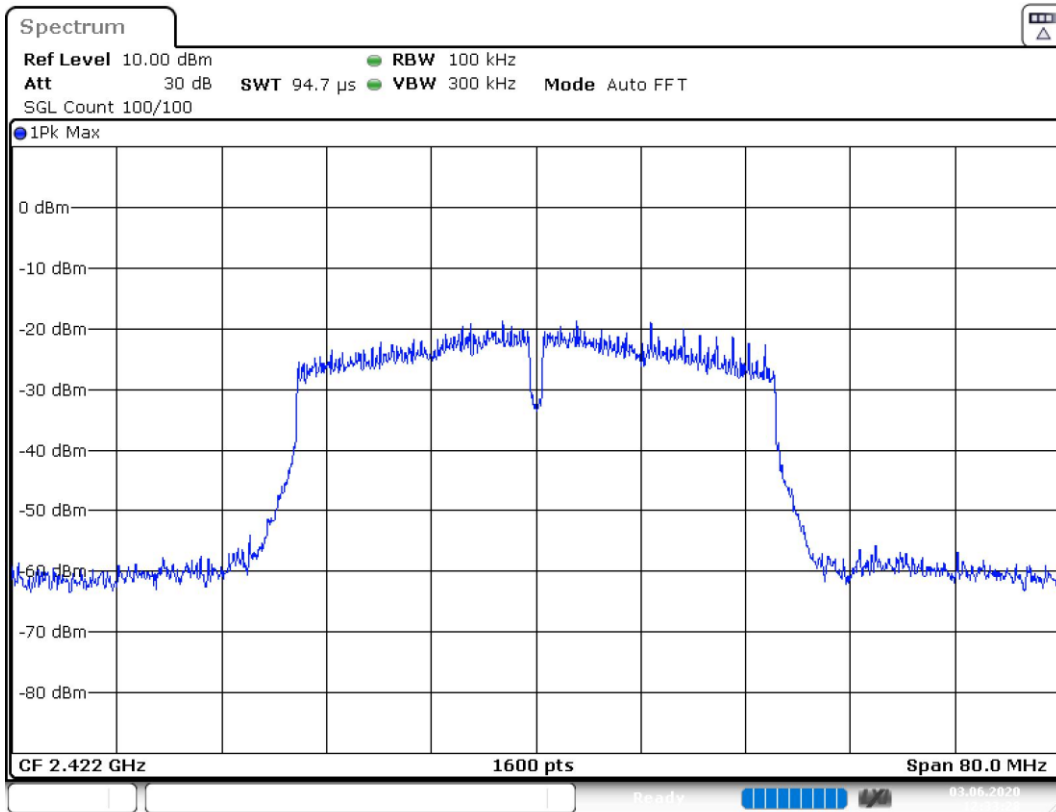
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2422.000000	34.100000	0.500000	---	2405.475000	2439.575000

DUT Frequency (MHz)	Max Level (dBm)	Result
2422.000000	-6.0	PASS

6 dB Bandwidth



Bandwidth



Date: 3.JUN.2020 12:33:28

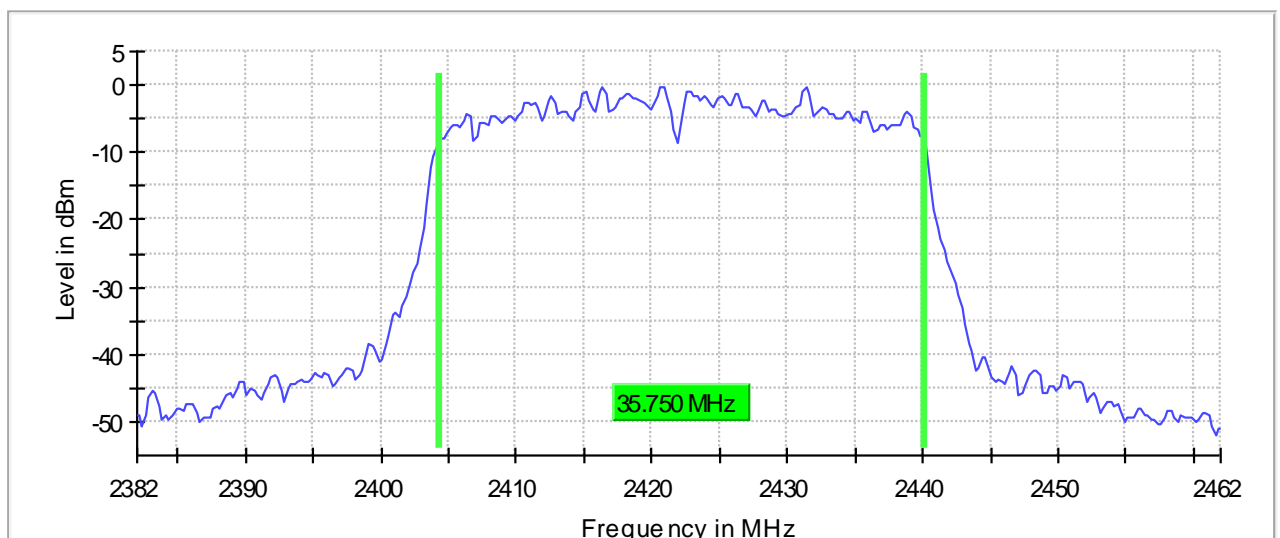
Occupied Channel Bandwidth 99% (2422 MHz; 20.000 dBm; 40 MHz)

99 % Bandwidth

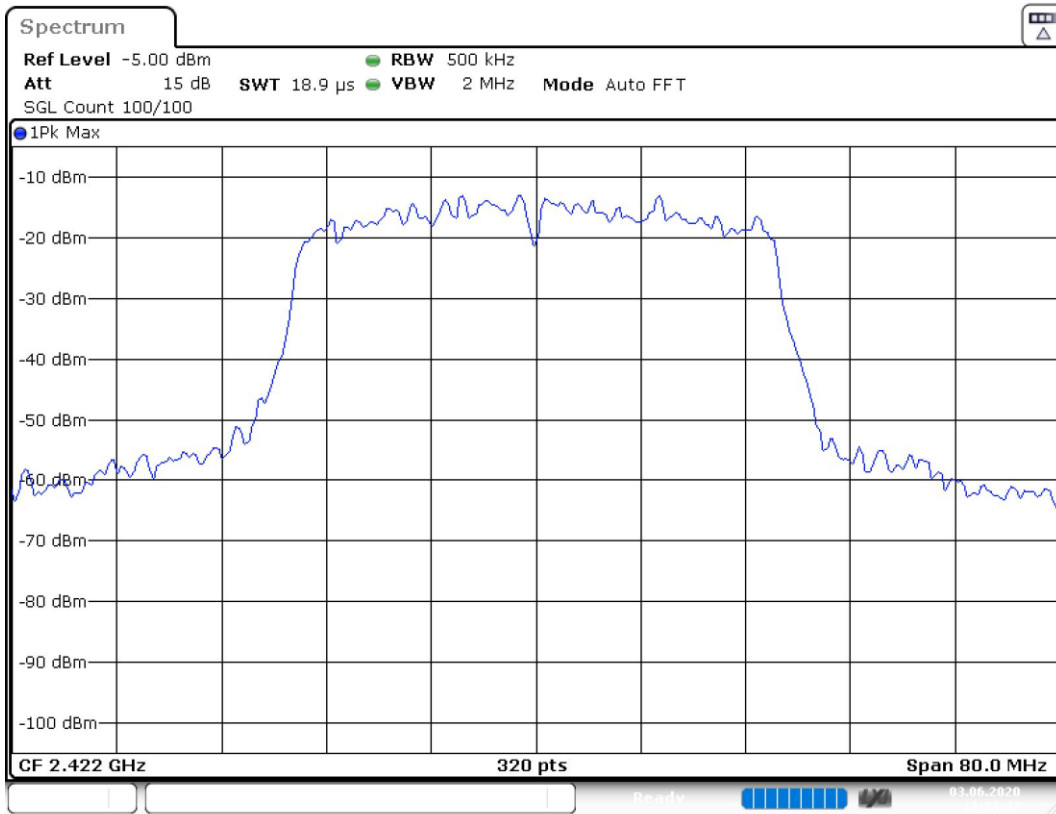
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2422.000000	35.750000	---	---	2404.375000	2440.125000

DUT Frequency (MHz)	Result
2422.000000	PASS

99%Bandwidth



Bandwidth



Date: 3.JUN.2020 12:33:48

Tx Spurious Emission (2422 MHz; 20.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
2422.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
17887.704935	-29.2	-36.2	-27.7	8.6	PASS
18247.430872	-29.7	-37.0	-27.7	9.3	PASS
19891.245941	-30.5	-35.8	-27.7	8.2	PASS
20230.628526	-28.8	-36.9	-27.7	9.2	PASS
24916.394104	-31.1	-36.7	-27.7	9.0	PASS
25966.919565	-30.2	-35.8	-27.7	8.1	PASS

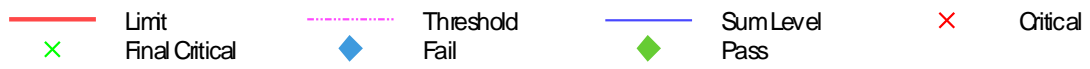
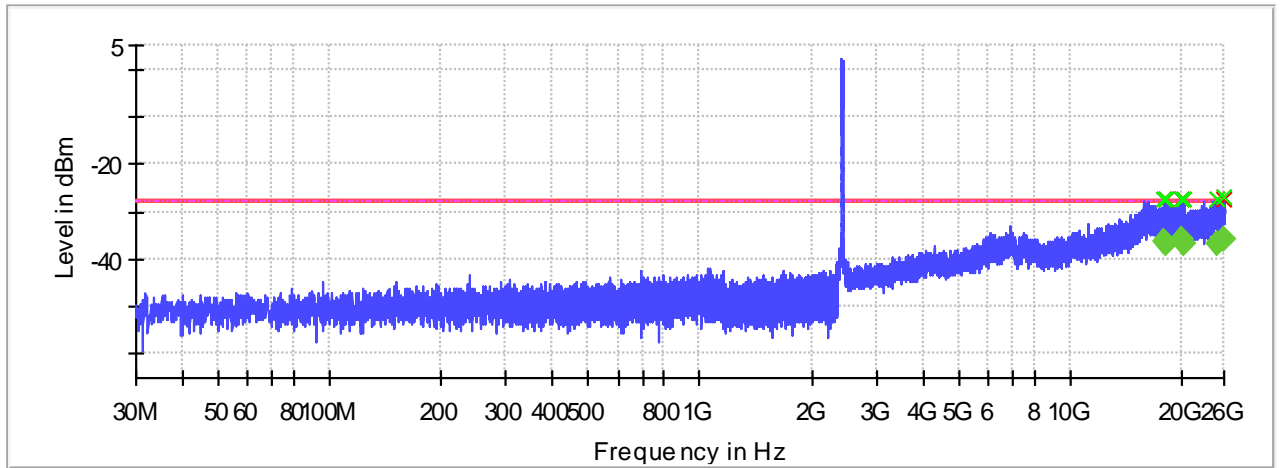
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
25971.707595	-26.8	-0.8	-27.7
19884.063896	-27.3	-0.3	-27.7
18254.862293	-27.4	-0.3	-27.7
25970.972727	-27.4	-0.3	-27.7
17896.981743	-27.5	-0.2	-27.7
19870.101411	-27.5	-0.2	-27.7
25929.820138	-27.5	-0.2	-27.7
18257.066896	-27.6	-0.1	-27.7
24910.558693	-27.6	-0.1	-27.7
20225.042491	-27.6	0.0	-27.7
15891.527898	-27.7	0.1	-27.7
16225.157815	-27.7	0.1	-27.7
25901.895167	-27.8	0.1	-27.7
19882.594161	-27.9	0.2	-27.7
25544.014617	-27.9	0.2	-27.7

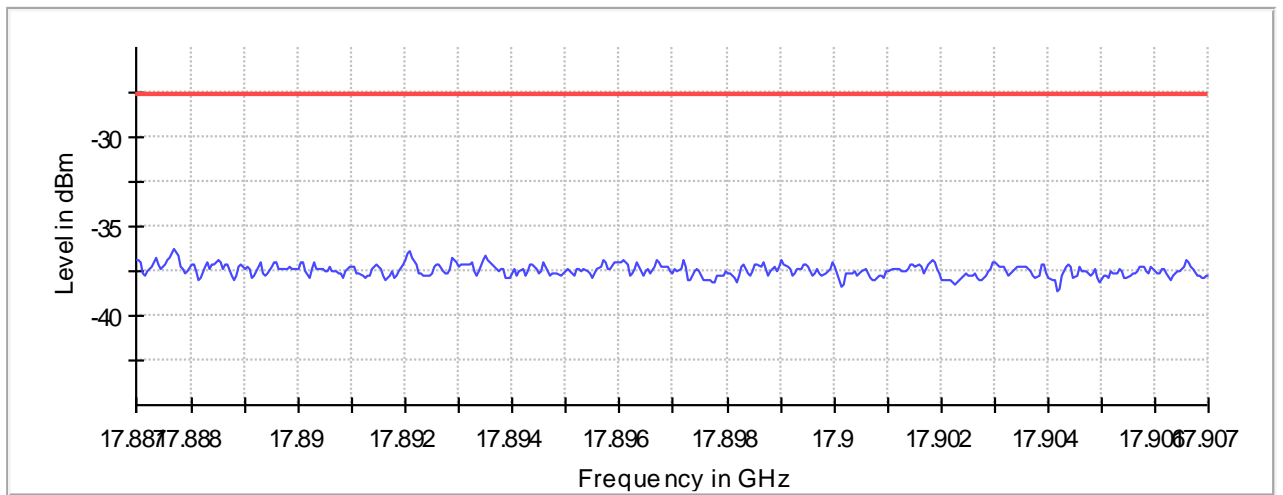
Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

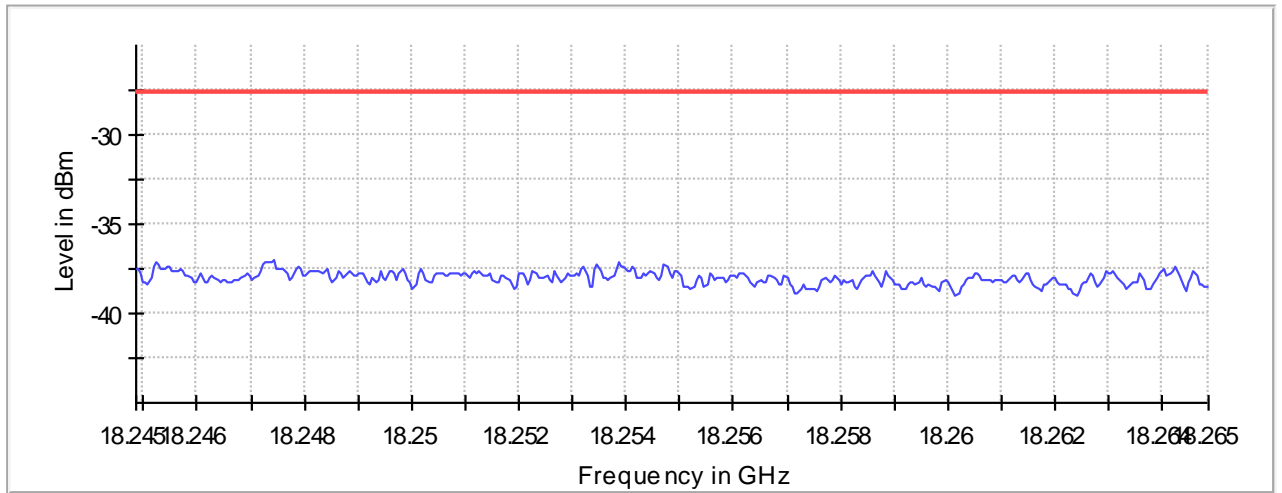
Spurious



FinalMeas_17896981743Hz

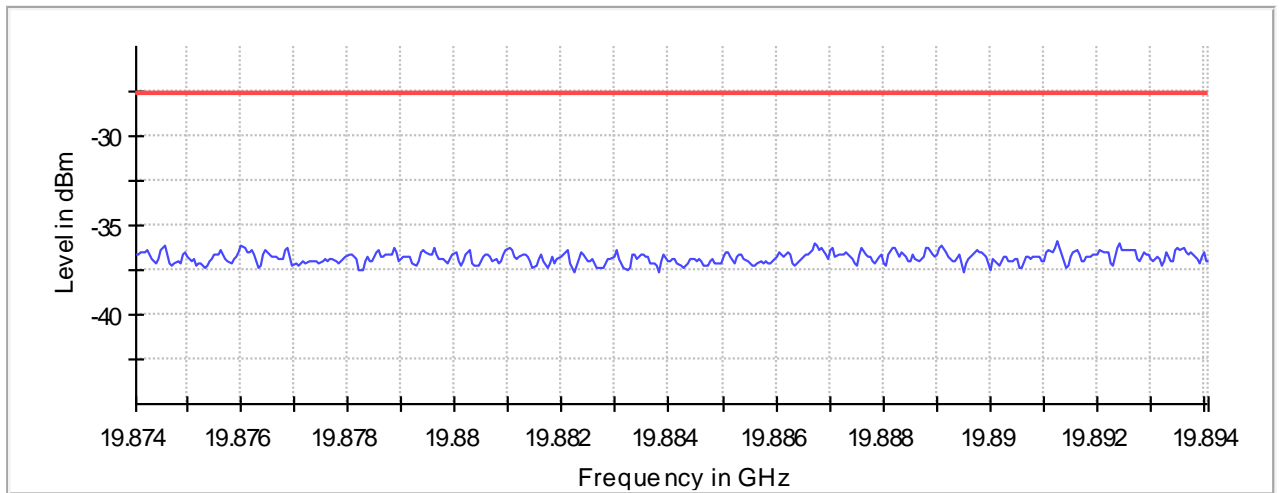


FinalMeas_18254862293Hz



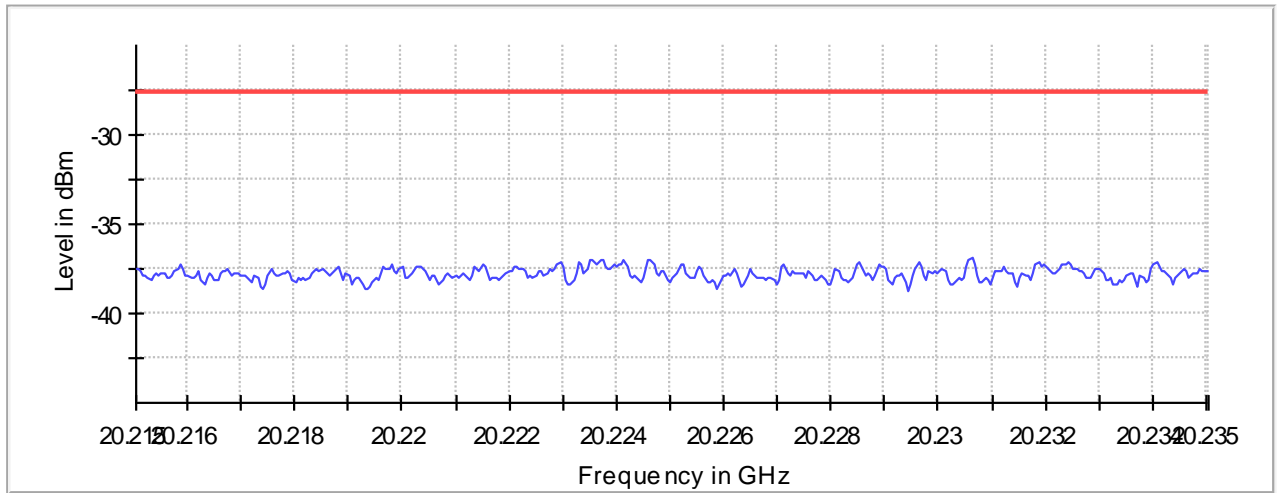
SumLevel Limit

FinalMeas_19884063896Hz



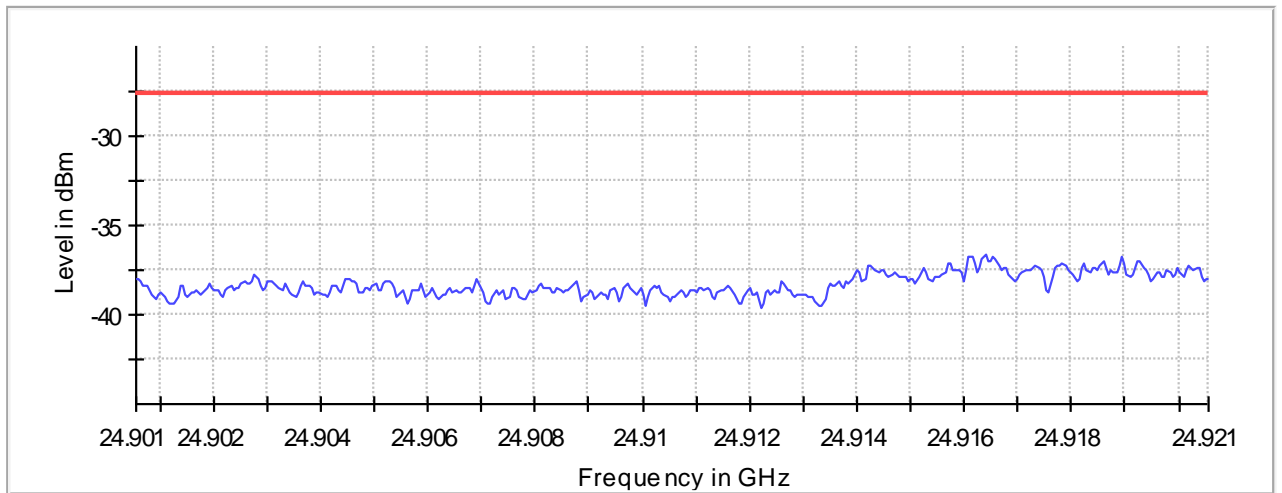
SumLevel Limit

FinalMeas_20225042491Hz

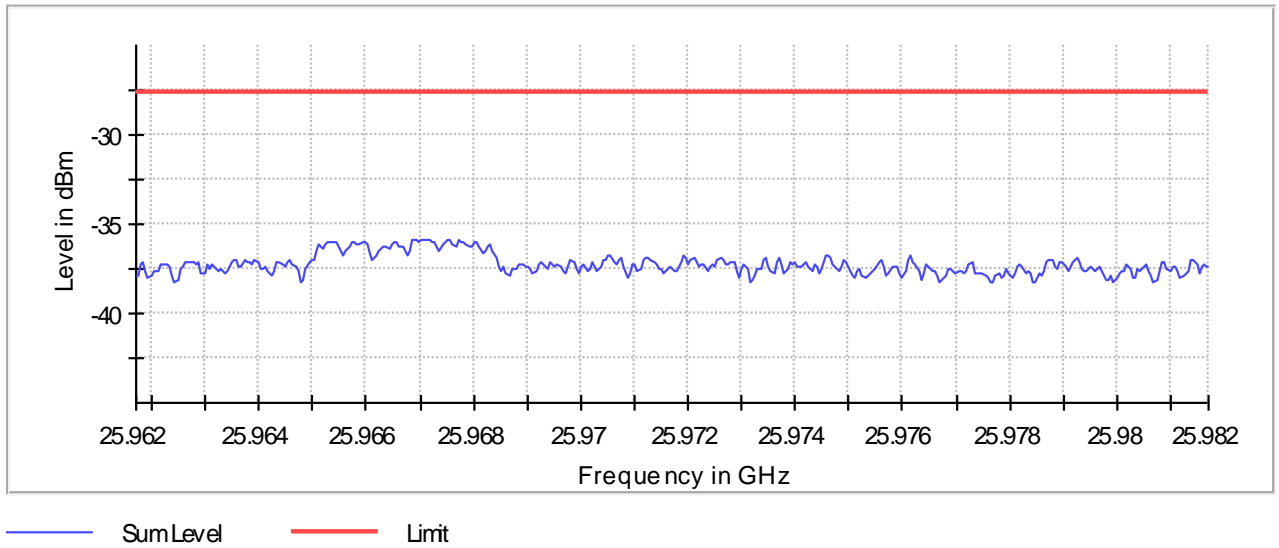


— SumLevel — Limit

FinalMeas_24910558693Hz



— SumLevel — Limit



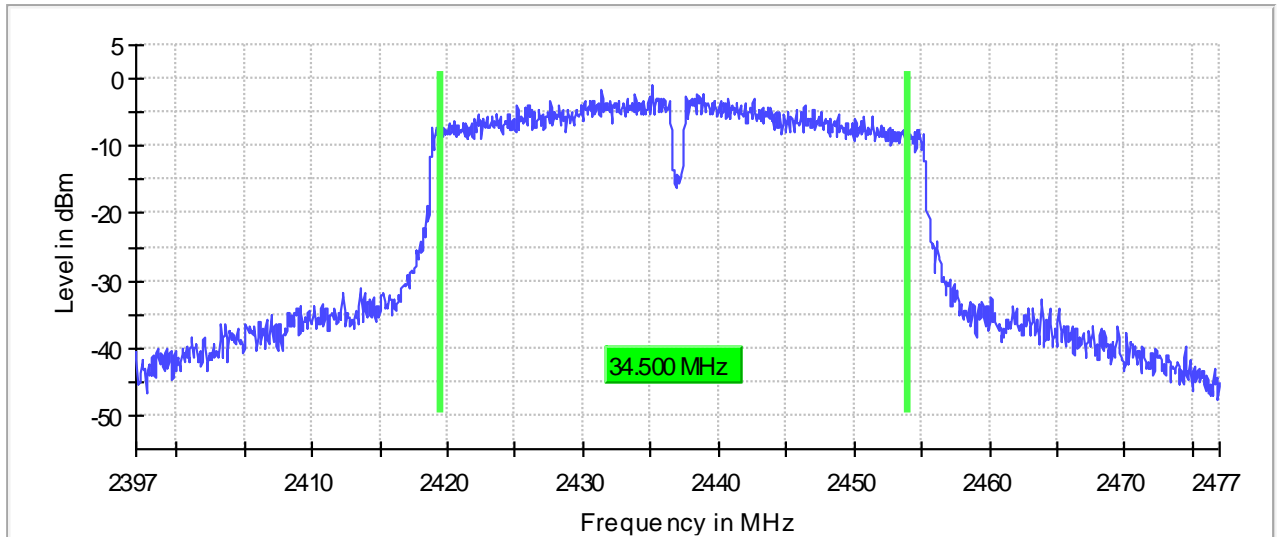
Minimum Emission Bandwidth 6 dB (2437 MHz; 20.000 dBm; 40 MHz)

6 dB Bandwidth

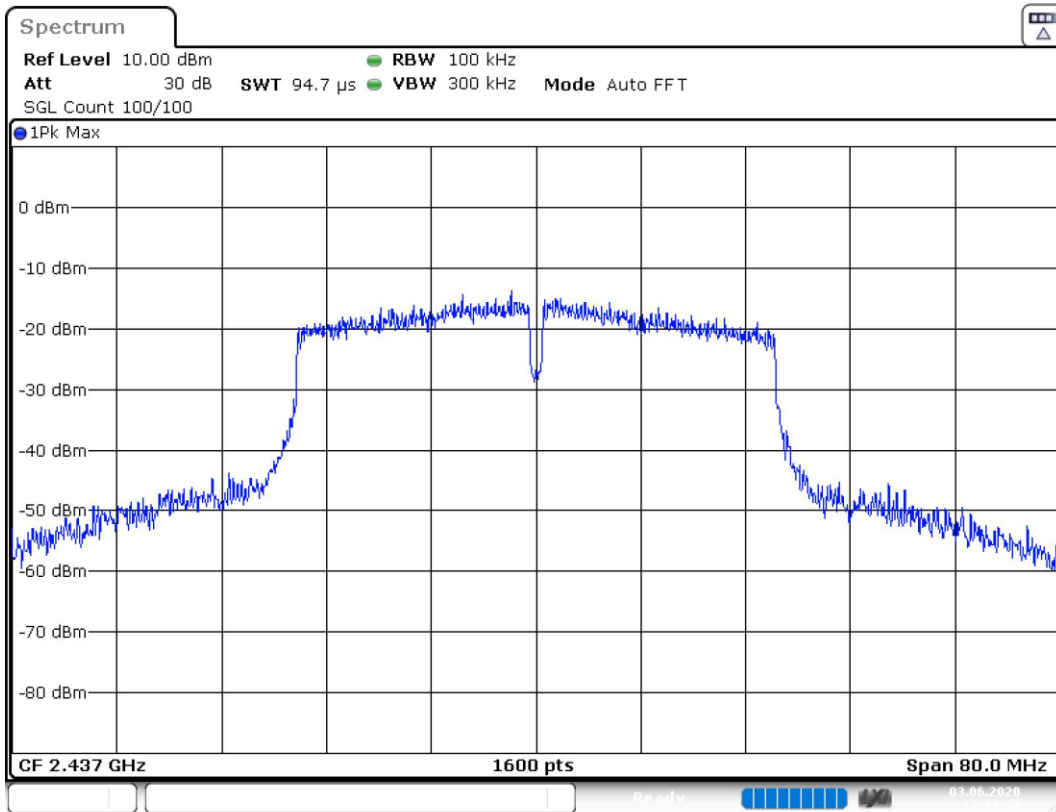
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	34.500000	0.500000	---	2419.425000	2453.925000

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	-1.0	PASS

6 dB Bandwidth



Bandwidth



Date: 3.JUN.2020 12:38:34

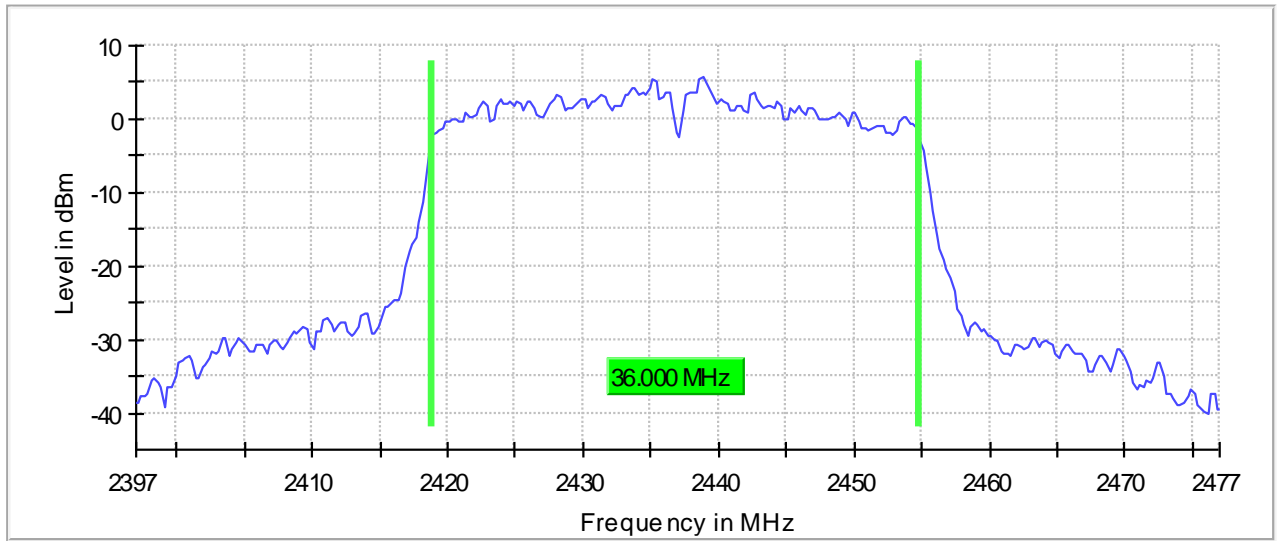
Occupied Channel Bandwidth 99% (2437 MHz; 20.000 dBm; 40 MHz)

99 % Bandwidth

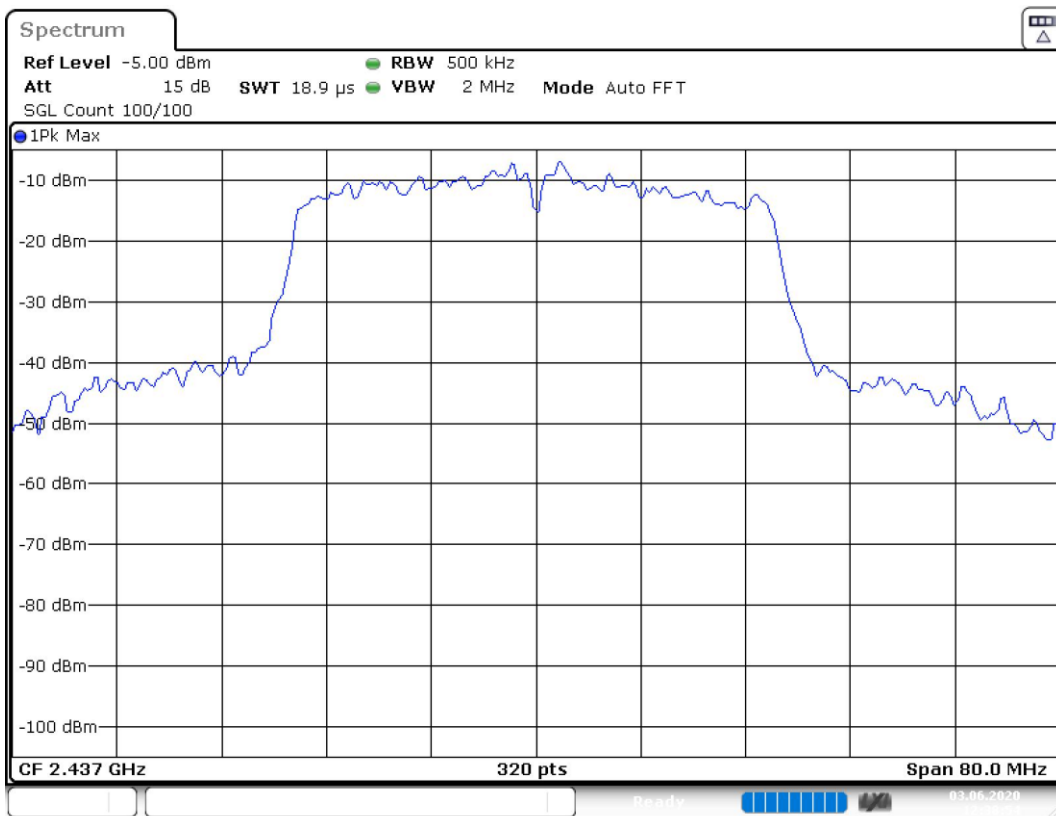
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	36.000000	---	---	2418.875000	2454.875000

DUT Frequency (MHz)	Result
2437.000000	PASS

99 %Bandwidth



Bandwidth



Date: 3.JUN.2020 12:38:55

Tx Spurious Emission (2437 MHz; 20.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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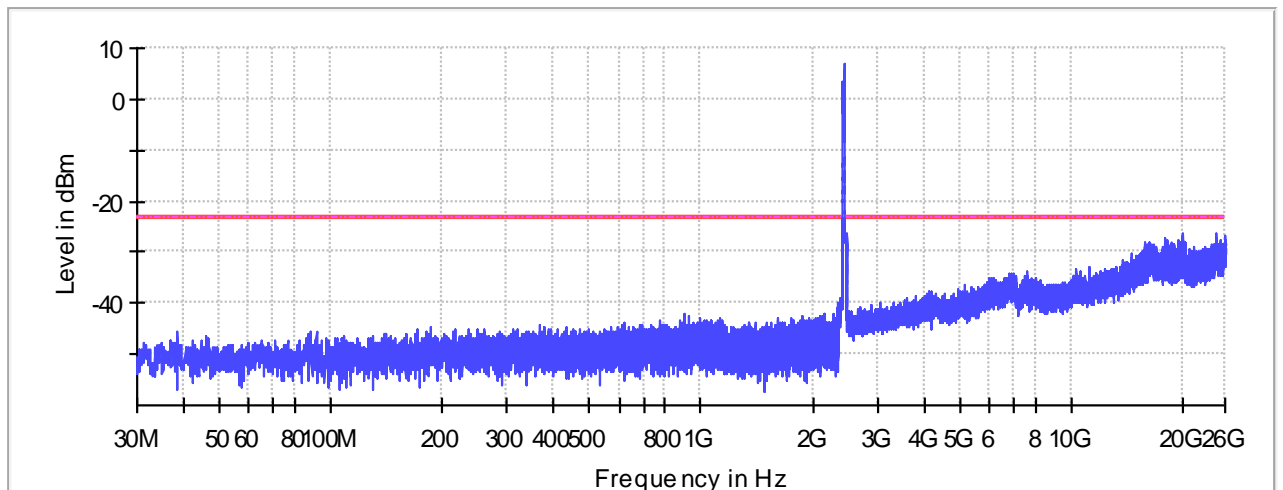
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
19877.450087	-26.1	2.9	-23.2
24537.980790	-26.3	3.1	-23.2
25951.866168	-26.7	3.5	-23.2
19897.291514	-26.9	3.7	-23.2
19899.496117	-26.9	3.7	-23.2
17885.223860	-27.1	3.9	-23.2
19879.654690	-27.2	3.9	-23.2
24600.444541	-27.3	4.1	-23.2
24659.233954	-27.4	4.2	-23.2
19917.132941	-27.4	4.2	-23.2
25158.943963	-27.5	4.2	-23.2
25910.713579	-27.5	4.3	-23.2
25948.926698	-27.5	4.3	-23.2
24657.764218	-27.5	4.3	-23.2
18233.551131	-27.5	4.3	-23.2

Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

Spurious



— Limit - - - - Threshold — SumLevel × Critical × Final Critical

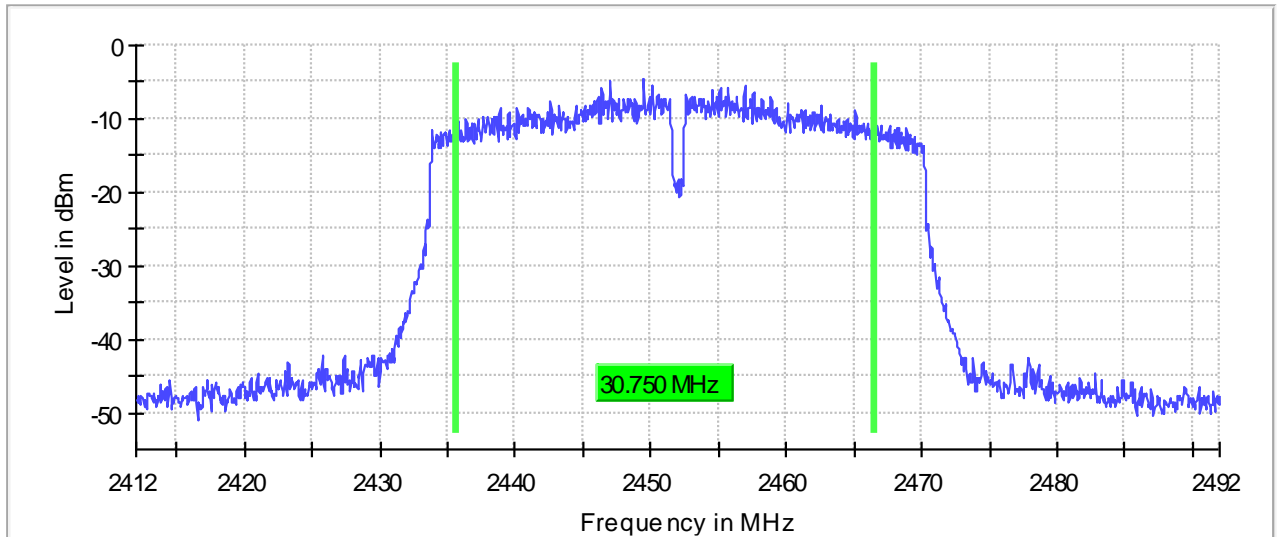
Minimum Emission Bandwidth 6 dB (2452 MHz; 20.000 dBm; 40 MHz)

6 dB Bandwidth

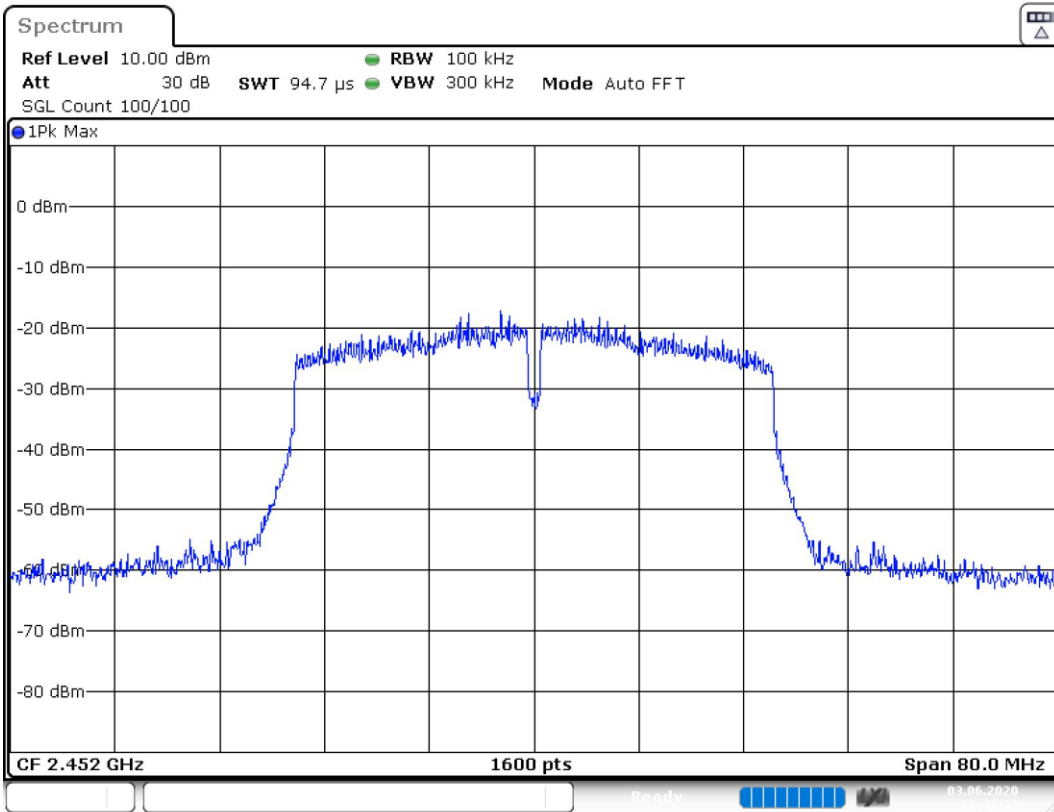
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2452.000000	30.750000	0.500000	---	2435.725000	2466.475000

DUT Frequency (MHz)	Max Level (dBm)	Result
2452.000000	-4.5	PASS

6 dB Bandwidth



Bandwidth



Date: 3.JUN.2020 12:42:32

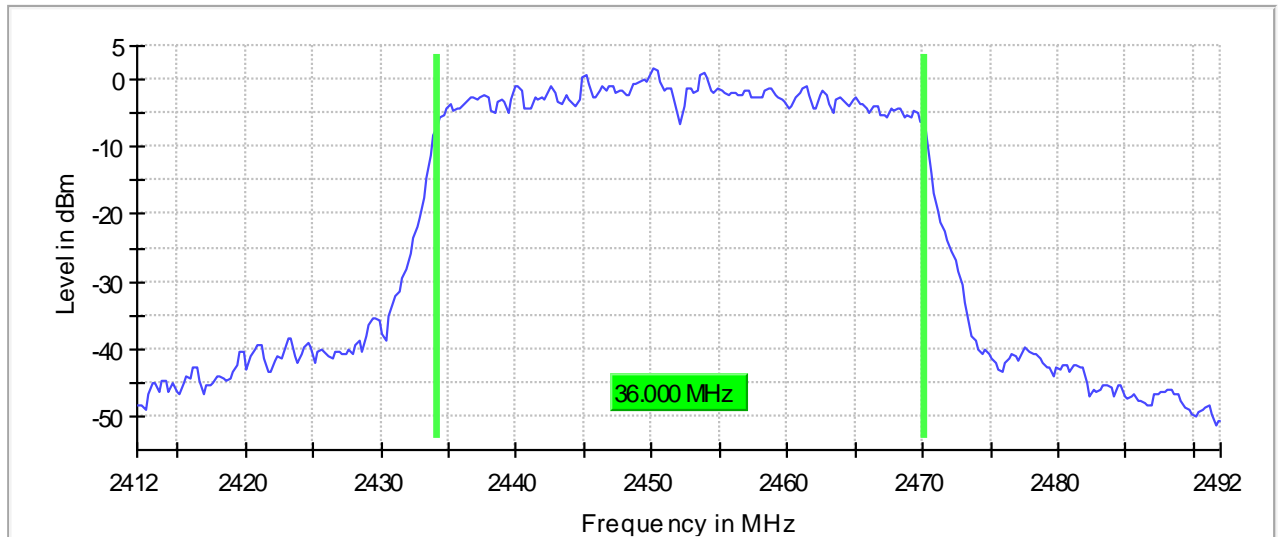
Occupied Channel Bandwidth 99% (2452 MHz; 20.000 dBm; 40 MHz)

99 % Bandwidth

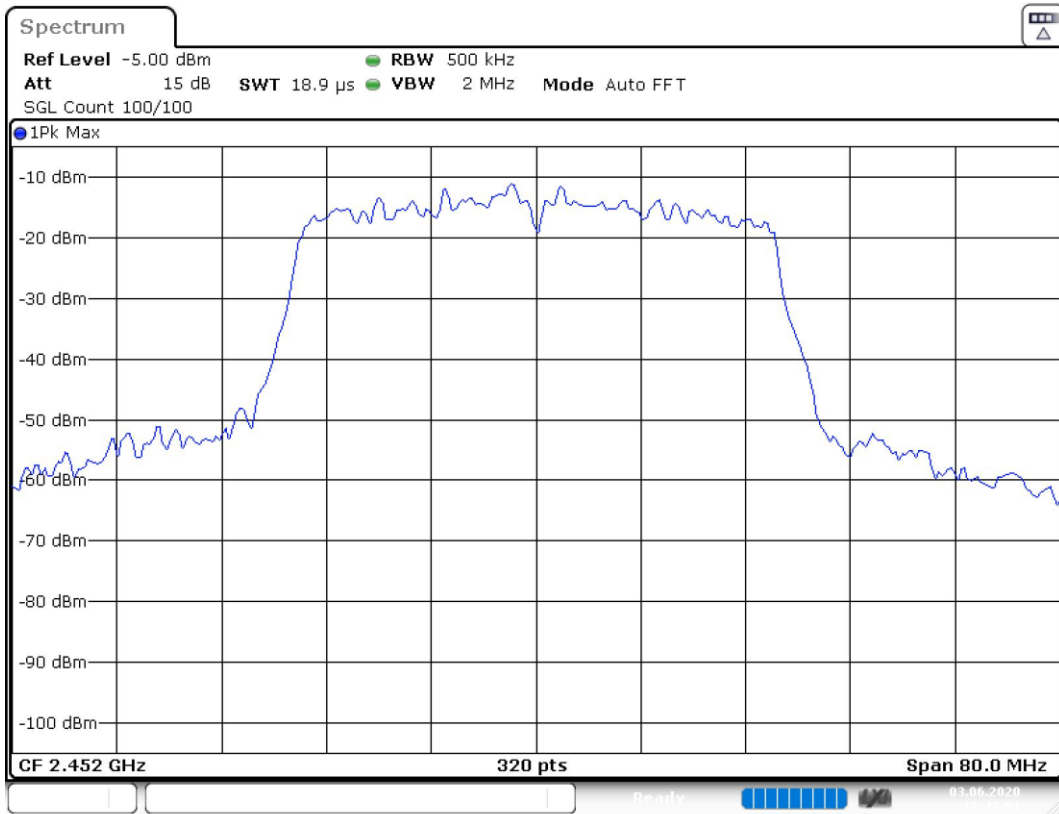
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2452.000000	36.000000	---	---	2434.125000	2470.125000

DUT Frequency (MHz)	Result
2452.000000	PASS

99 %Bandwidth



Bandwidth



Date: 3.JUN.2020 12:42:52

Tx Spurious Emission (2452 MHz; 20.000 dBm; 40 MHz)

Result

DUT Frequency (MHz)	Result
2452.000000	PASS

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
19900.061752	-29.7	-35.9	-27.5	8.4	PASS
20251.750847	-30.0	-37.2	-27.5	9.7	PASS
25900.618587	-29.3	-36.5	-27.5	9.0	PASS

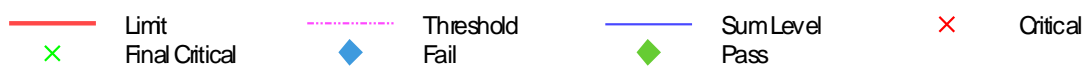
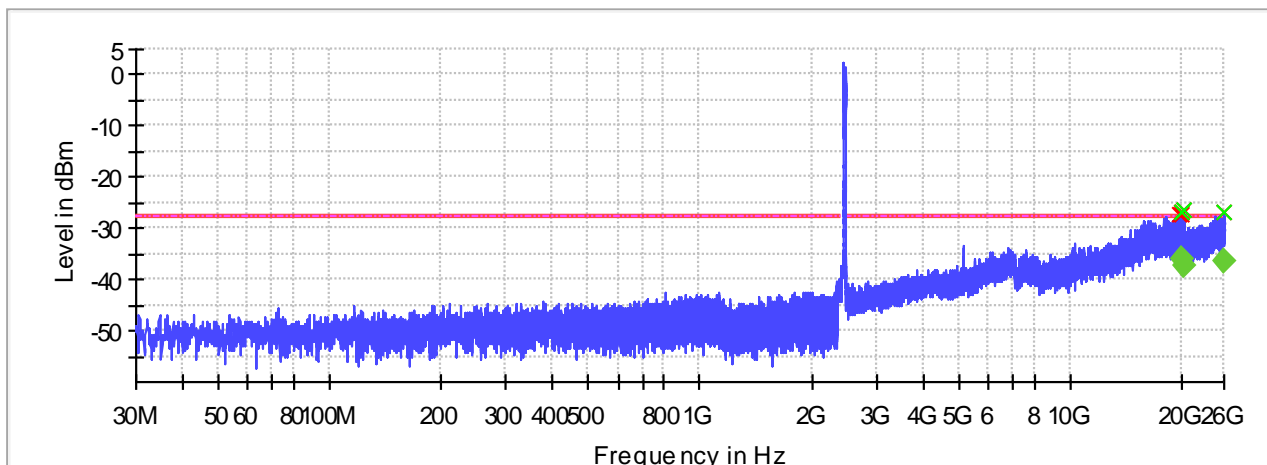
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
20259.581271	-26.4	-1.1	-27.5
19906.844794	-26.7	-0.8	-27.5
19879.654690	-26.7	-0.8	-27.5
25906.304373	-27.0	-0.5	-27.5
19845.850778	-27.2	-0.3	-27.5
19918.602676	-27.3	-0.2	-27.5
24585.012320	-27.5	0.0	-27.5
25976.116801	-27.8	0.2	-27.5
19889.942838	-27.8	0.3	-27.5
24581.337982	-27.8	0.3	-27.5
25933.494477	-27.8	0.3	-27.5
25234.635332	-27.8	0.3	-27.5
25876.909667	-27.8	0.3	-27.5
18225.467587	-27.9	0.4	-27.5
19874.510617	-27.9	0.4	-27.5

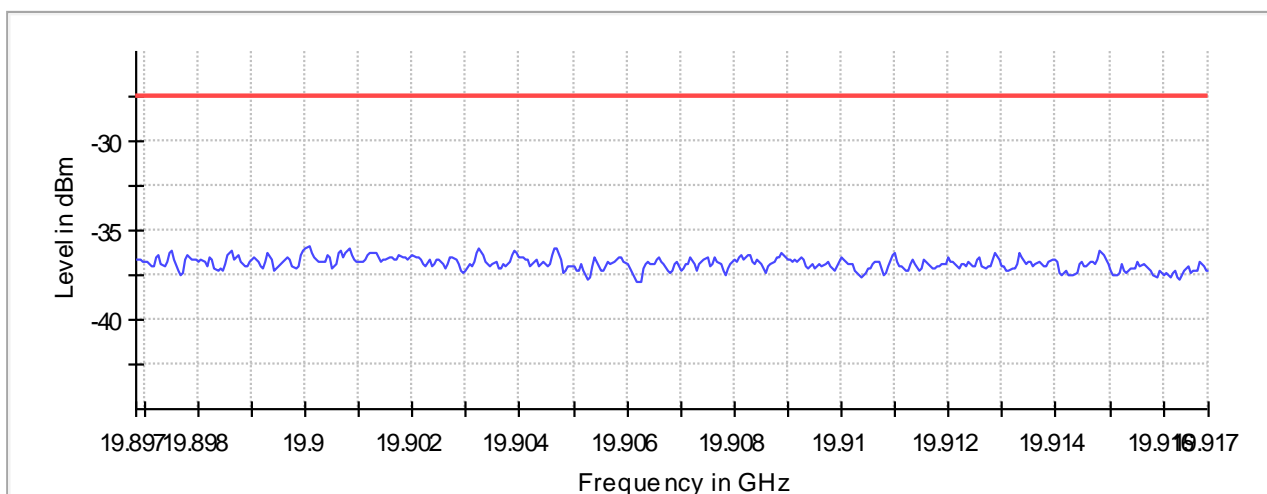
Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2350.000000	1	1
2350.000000	2483.500000	2	1
2483.500000	26000.000000	1	1

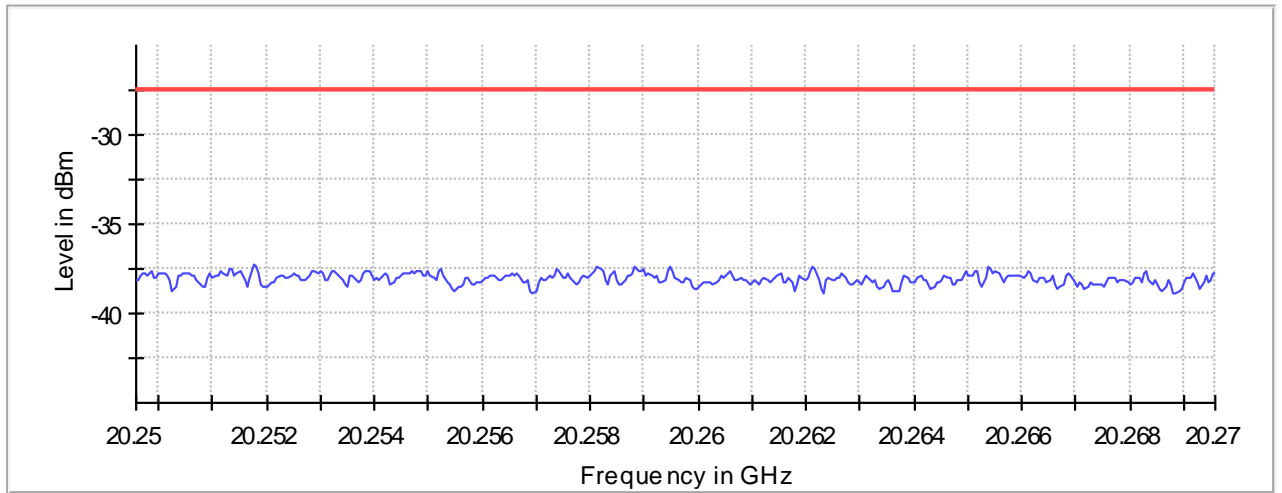
Spurious



FinalMeas_19906844794Hz

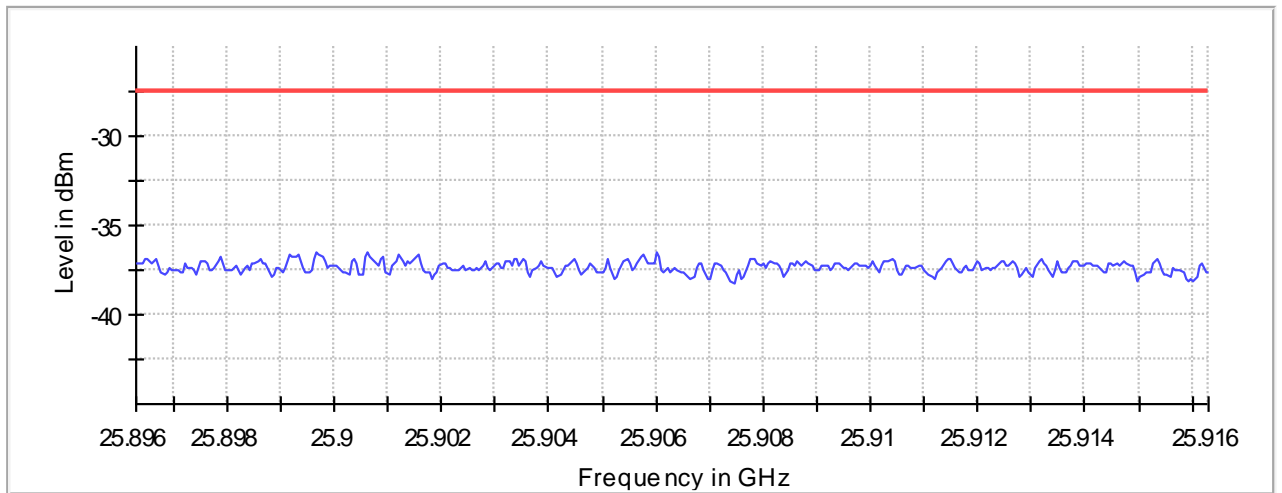


FinalMeas_20259581271Hz



— SumLevel — Limit

FinalMeas_25906304373Hz



— SumLevel — Limit