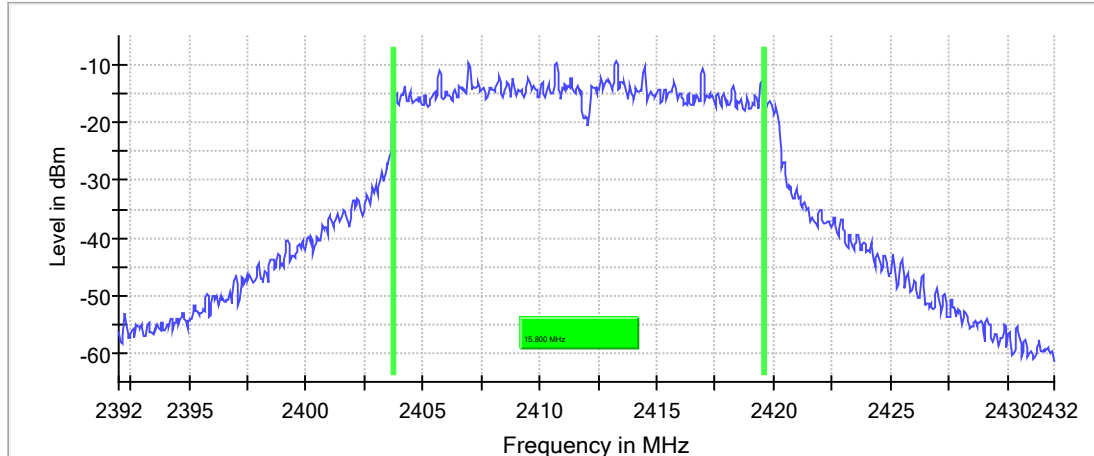
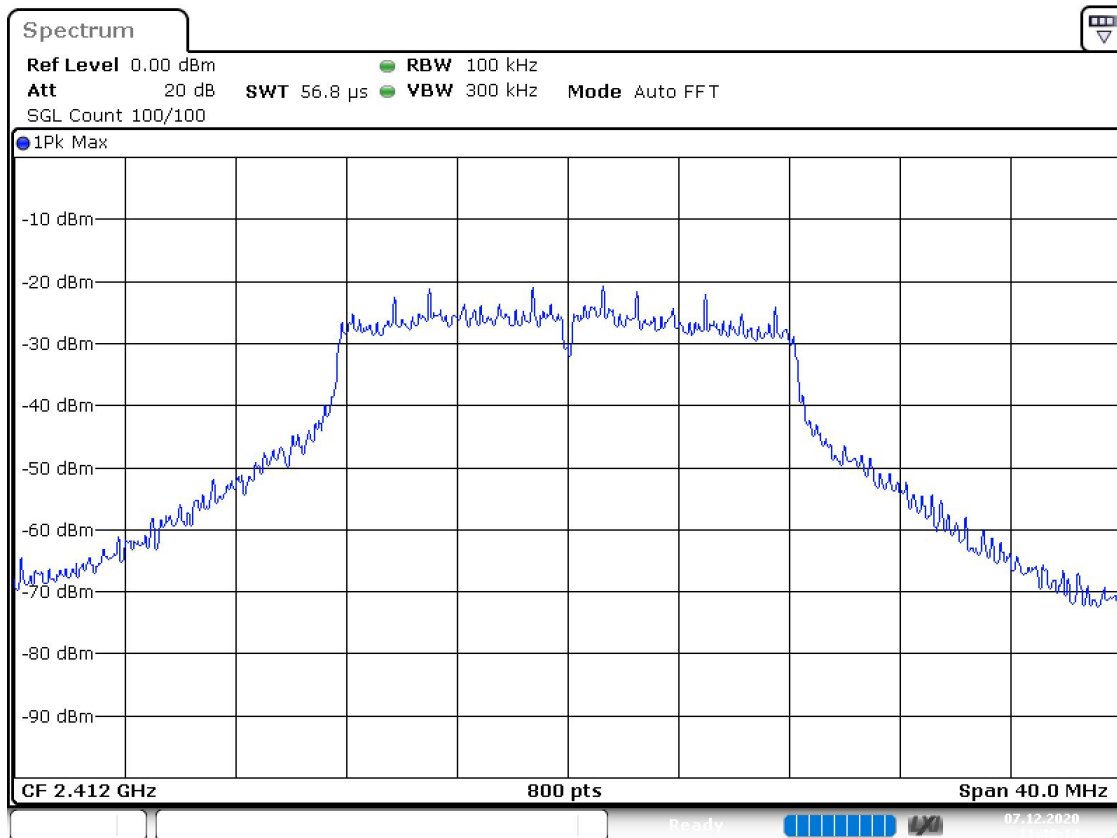


Summary

	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result	
RF output power	2412.000	24.0	20.000000	PASS	
Minimum Emission Bandwidth 6 dB	2412.000	24.0	20.000000	PASS	
Power Spectral Density	2412.000	24.0	20.000000	PASS	
Occupied Channel Bandwidth 99%	2412.000	24.0	20.000000	PASS	
Tx Spurious Emission	2412.000	24.0	20.000000	PASS	
Minimum Emission Bandwidth 6 dB	2437.000	24.0	20.000000	PASS	
Occupied Channel Bandwidth 99%	2437.000	24.0	20.000000	PASS	
Tx Spurious Emission	2437.000	24.0	20.000000	PASS	
Minimum Emission Bandwidth 6 dB	2462.000	24.0	20.000000	PASS	
Power Spectral Density	2462.000	24.0	20.000000	PASS	
Occupied Channel Bandwidth 99%	2462.000	24.0	20.000000	PASS	
Tx Spurious Emission	2462.000	24.0	20.000000	PASS	
	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2412.000000	8.5	30.0	13.2	98.396	PASS
	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			
	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
Minimum					
2412.000000	15.800000	0.500000	---	2403.775000	2419.575000
(continuation of the	Max Level (dBm)	Result			
2412.000000	-9.3	PASS			

6 dB Bandwidth





Date: 7.DEC.2020 11:48:14

Measurement

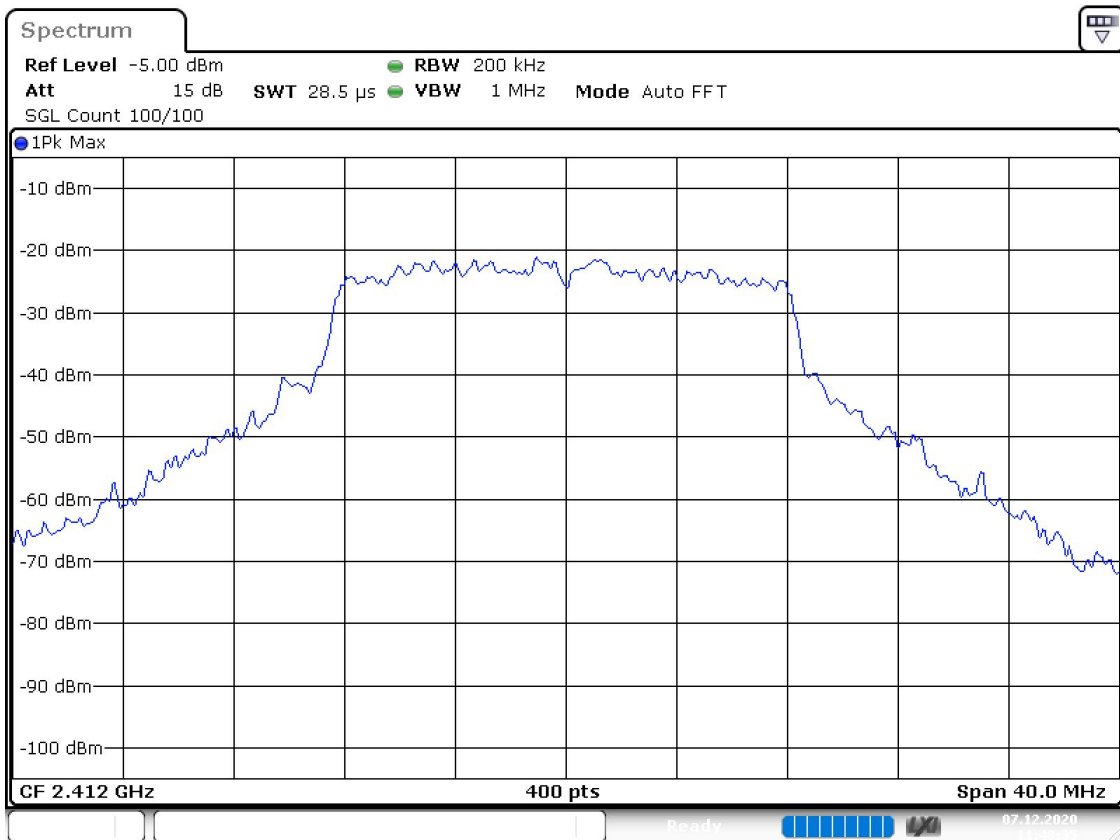
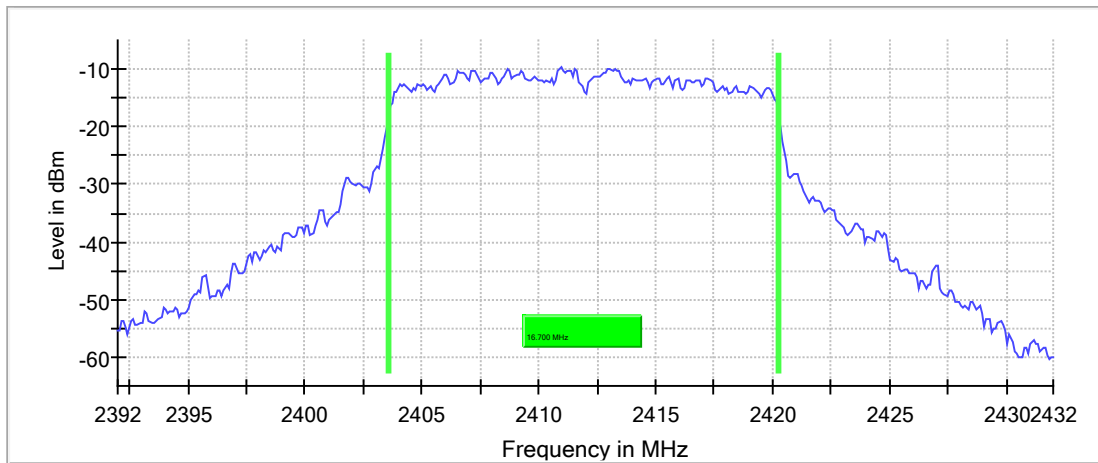
	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
Sweeptime	56.836 μs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	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		Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000		2411.075000	-13.225	8.0	PASS
State					
1	used				
2	used				

	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	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	Sweep			
Preamp	off	off			
Occupied	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	16.700000	--	--	2403.550000	2420.250000
Result					
2412.000000	PASS				

99 % Bandwidth

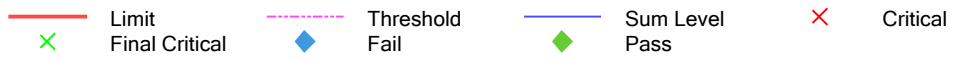
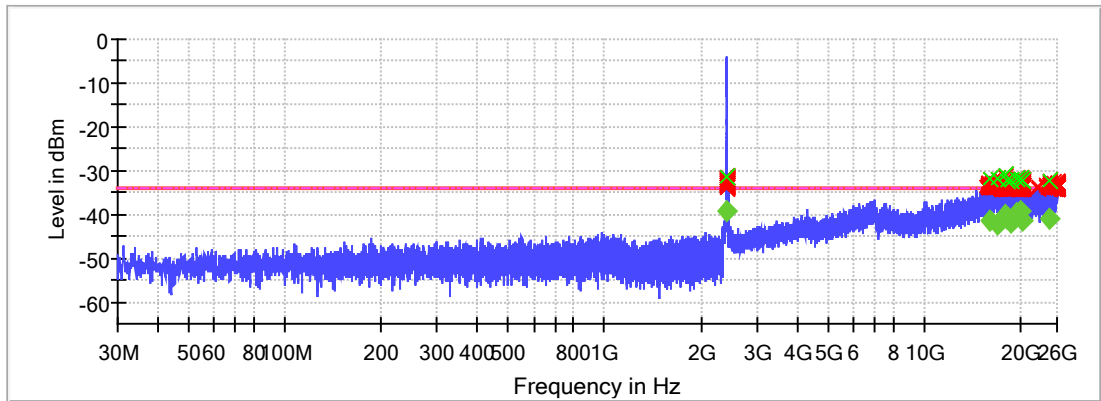


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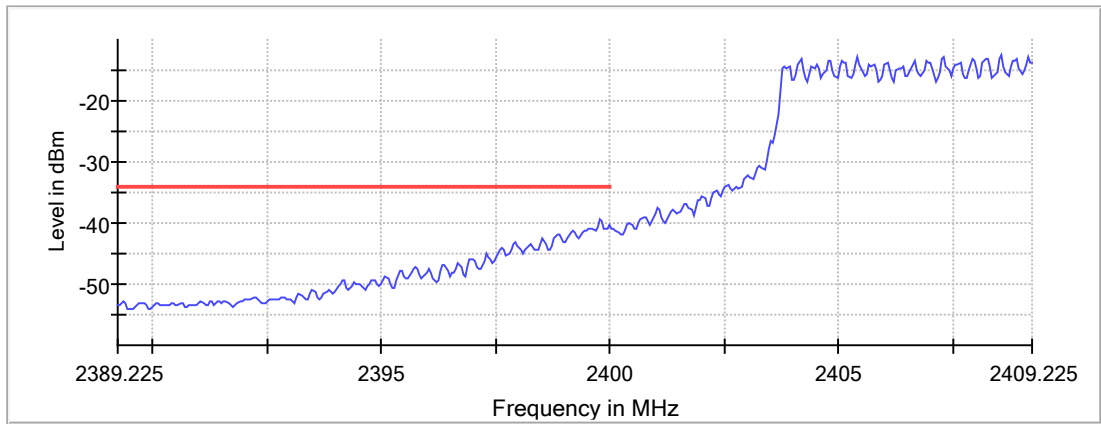
Measurement

	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 μ s	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			
Result					
2412.000000 PASS					
Final	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
2399.773628	-32.2	-39.3	-34.1	5.2	PASS
16126.263196	-33.8	-41.2	-34.1	7.2	PASS
16866.754075	-34.4	-42.4	-34.1	8.3	PASS
17884.322932	-33.5	-40.3	-34.1	6.2	PASS
18221.584230	-34.5	-41.0	-34.1	7.0	PASS
18526.128211	-32.9	-42.0	-34.1	7.9	PASS
19547.577252	-34.1	-39.8	-34.1	5.8	PASS
19888.739485	-33.5	-39.4	-34.1	5.4	PASS
20244.906698	-36.2	-41.6	-34.1	7.5	PASS
24660.723296	-36.2	-40.9	-34.1	6.8	PASS
	Level (dBm)	Margin (dB)	Limit (dBm)		
17888.163331	-31.0	-3.1	-34.1		
17895.512007	-31.2	-2.8	-34.1		
2399.225000	-31.3	-2.8	-34.1		
2399.825000	-31.5	-2.6	-34.1		
2398.225000	-31.5	-2.6	-34.1		
2399.875000	-31.5	-2.5	-34.1		
19540.145831	-31.6	-2.4	-34.1		
2399.125000	-31.7	-2.4	-34.1		
2399.075000	-31.7	-2.3	-34.1		
19895.821779	-31.7	-2.3	-34.1		
19910.519132	-31.7	-2.3	-34.1		
2398.275000	-31.7	-2.3	-34.1		
16871.841357	-31.8	-2.2	-34.1		
19537.206361	-31.9	-2.2	-34.1		
16125.215814	-31.9	-2.1	-34.1		
	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		

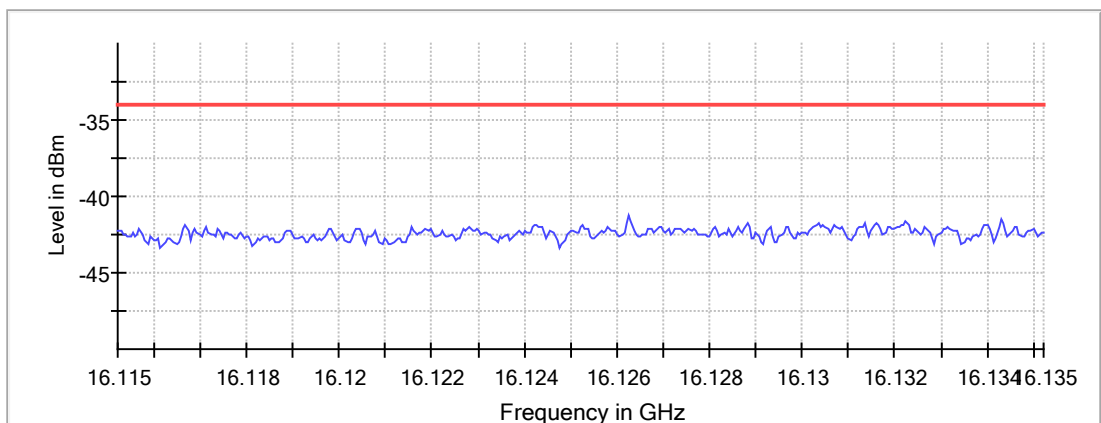
Spurious



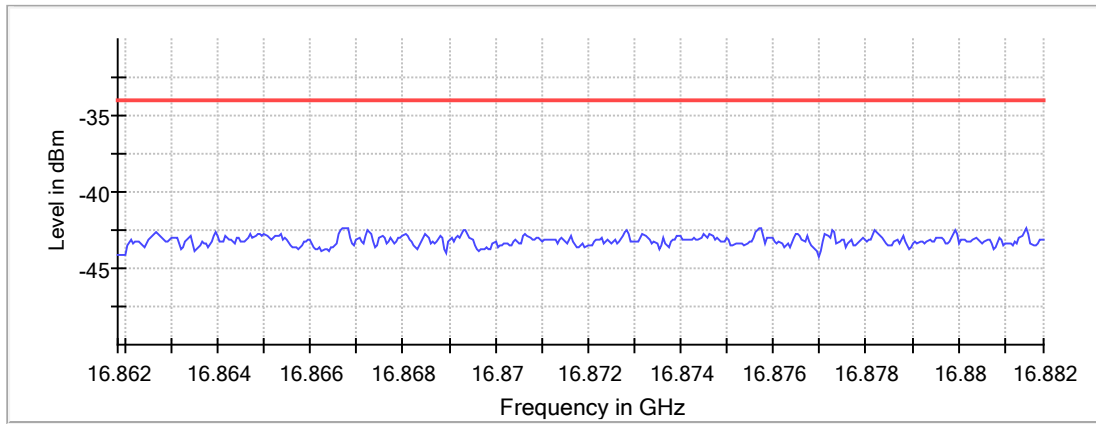
FinalMeas_2399225000Hz



FinalMeas_16125215814Hz

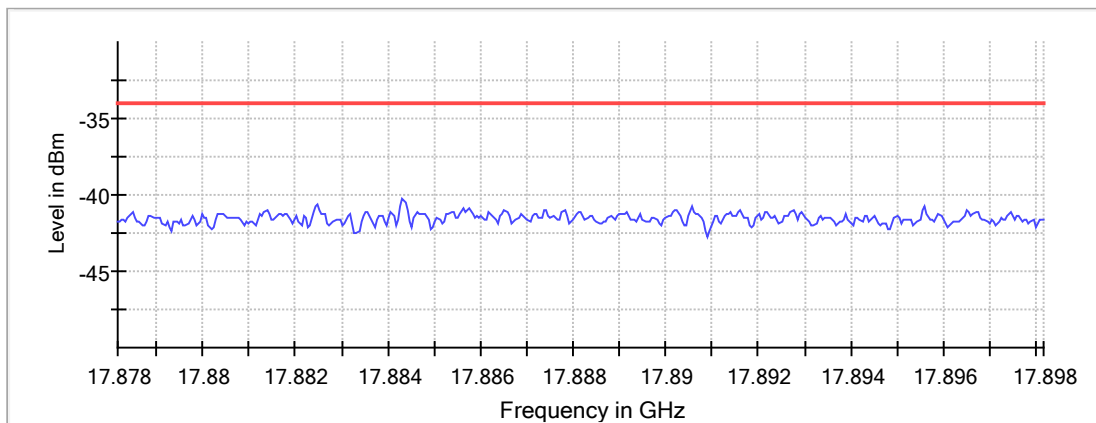


FinalMeas_16871841357Hz



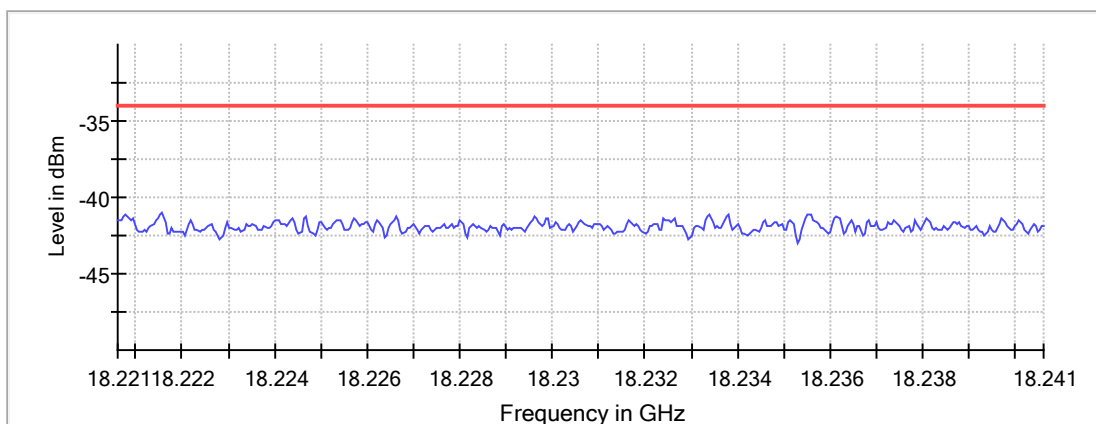
Sum Level Limit

FinalMeas_17888163331Hz



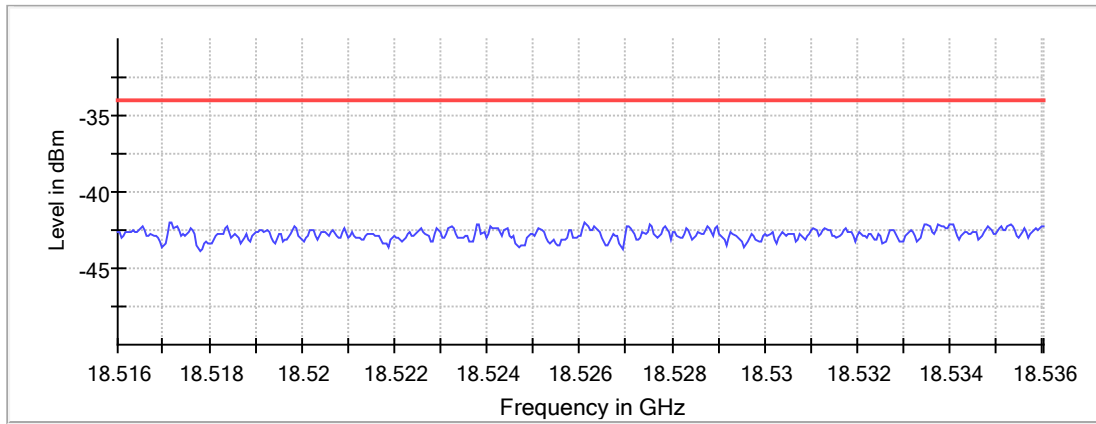
Sum Level Limit

FinalMeas_18230611661Hz

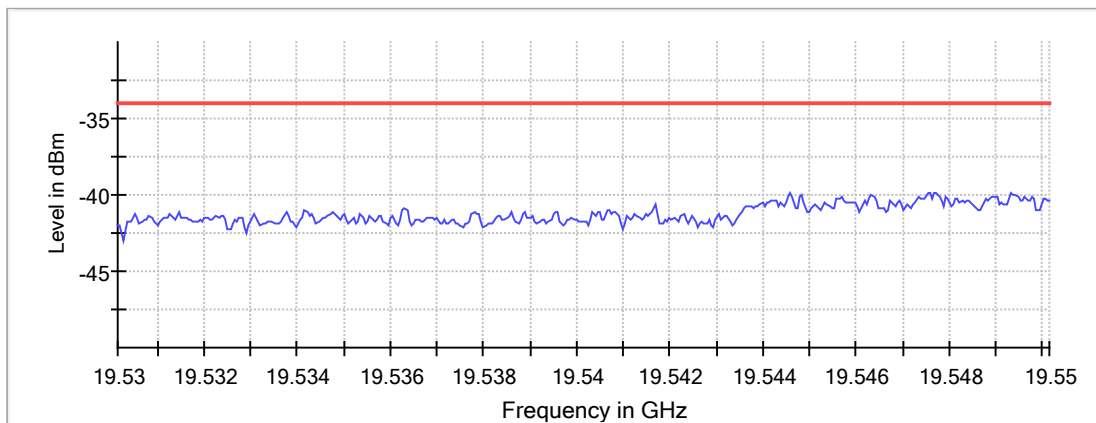


Sum Level Limit

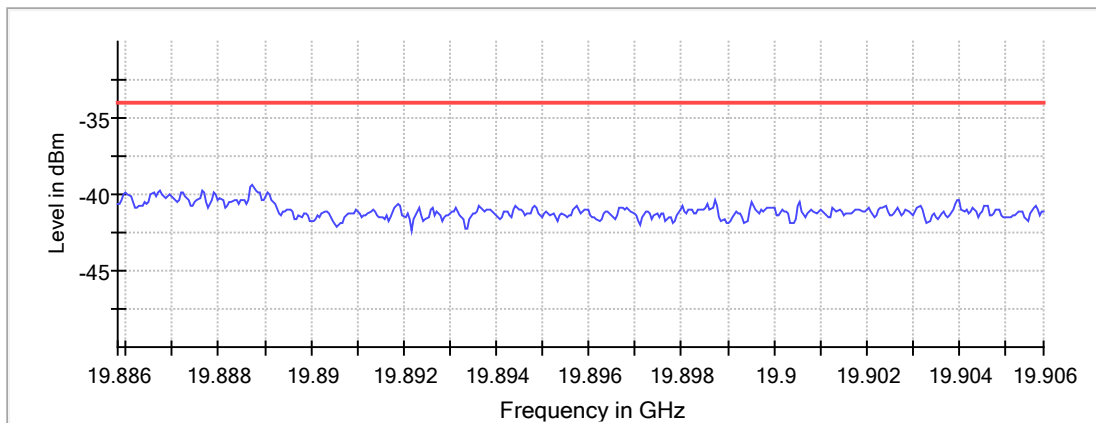
FinalMeas_18526028460Hz



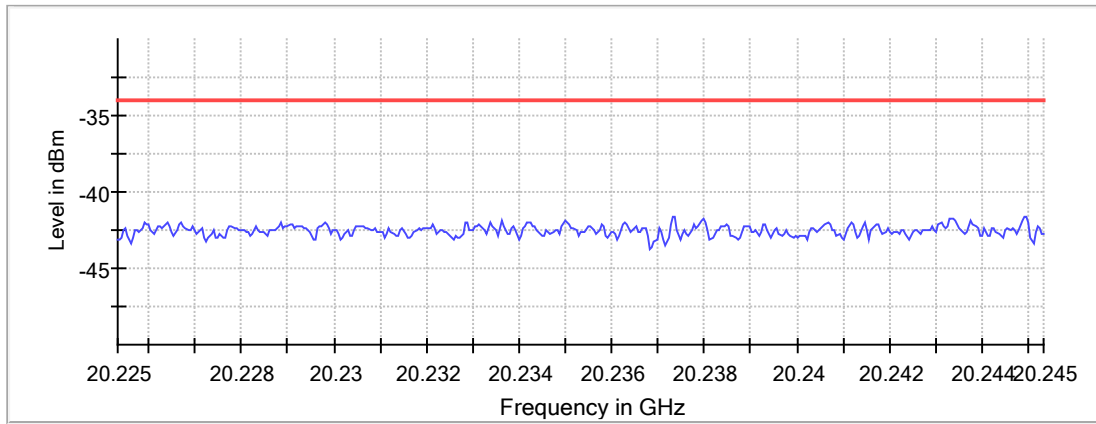
FinalMeas_19540145831Hz



FinalMeas_19895821779Hz

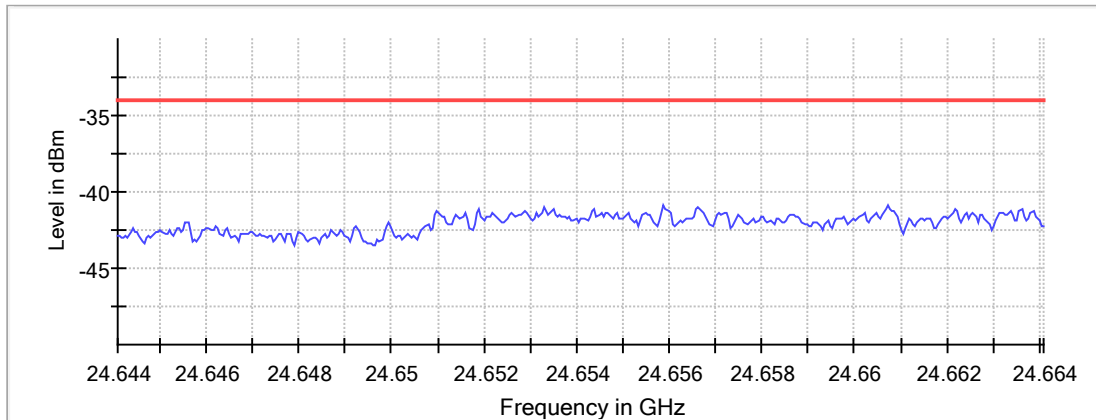


FinalMeas_20235330638Hz



— Sum Level — Limit

FinalMeas_24654089880Hz

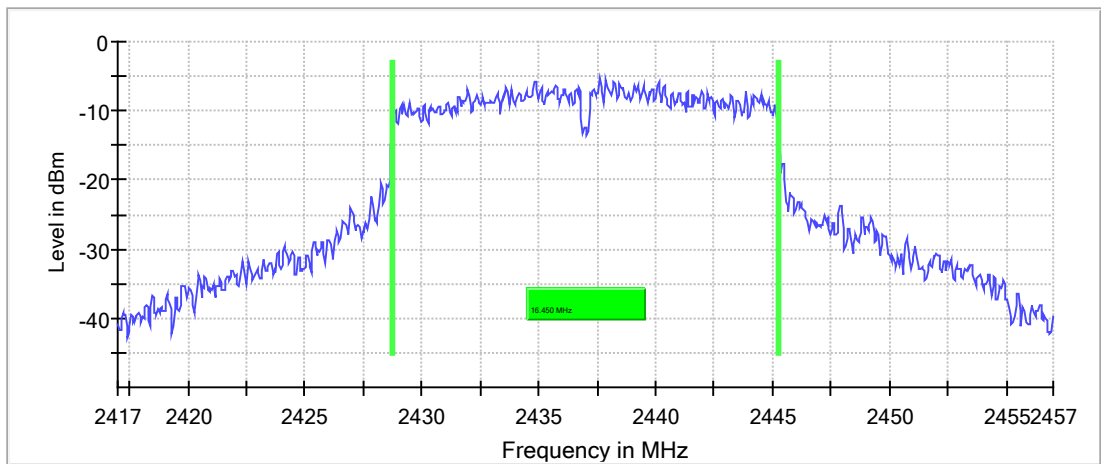


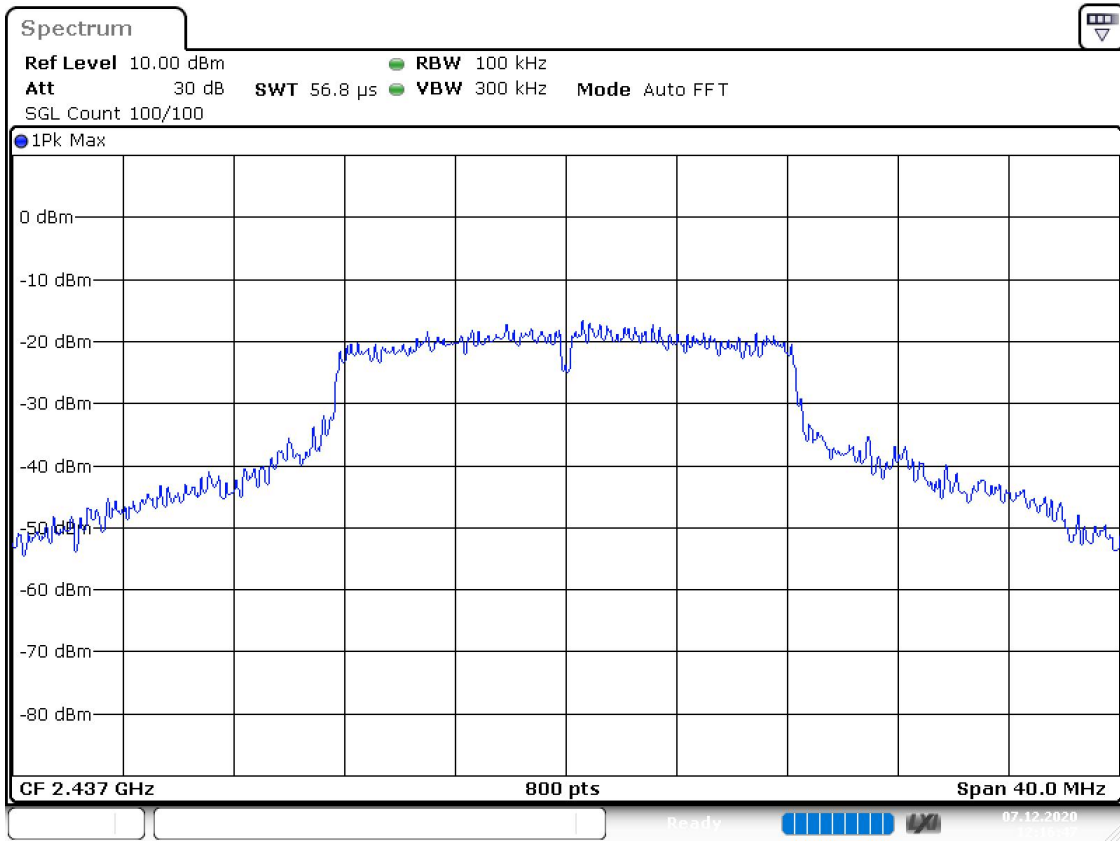
— Sum Level — Limit

	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
	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	2670	~ 2670
Sweeptime	151.563 μs	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
	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz

VBW	300.000 kHz		>= 300.000 kHz		
SweepPoints	401		~ 401		
SweepTime	37.907 μ s		AUTO		
Reference Level	20.000 dBm		20.000 dBm		
Attenuation	40.000 dB		40.000 dB		
Detector	Sample		Sample		
SweepCount	100		100		
Filter	3 dB		3 dB		
Trace Mode	Average Linear		Average Linear		
SweepType	FFT		AUTO		
Preamp	off		off		
Minimum	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	16.450000	0.500000	---	2428.775000	2445.225000
	Max Level (dBm)	Result			
2437.000000	-5.1	PASS			

6 dB Bandwidth





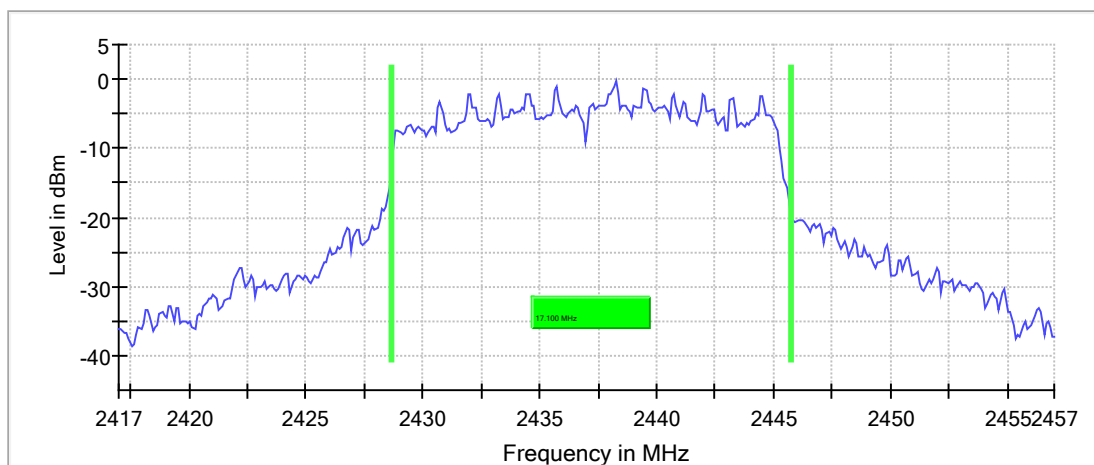
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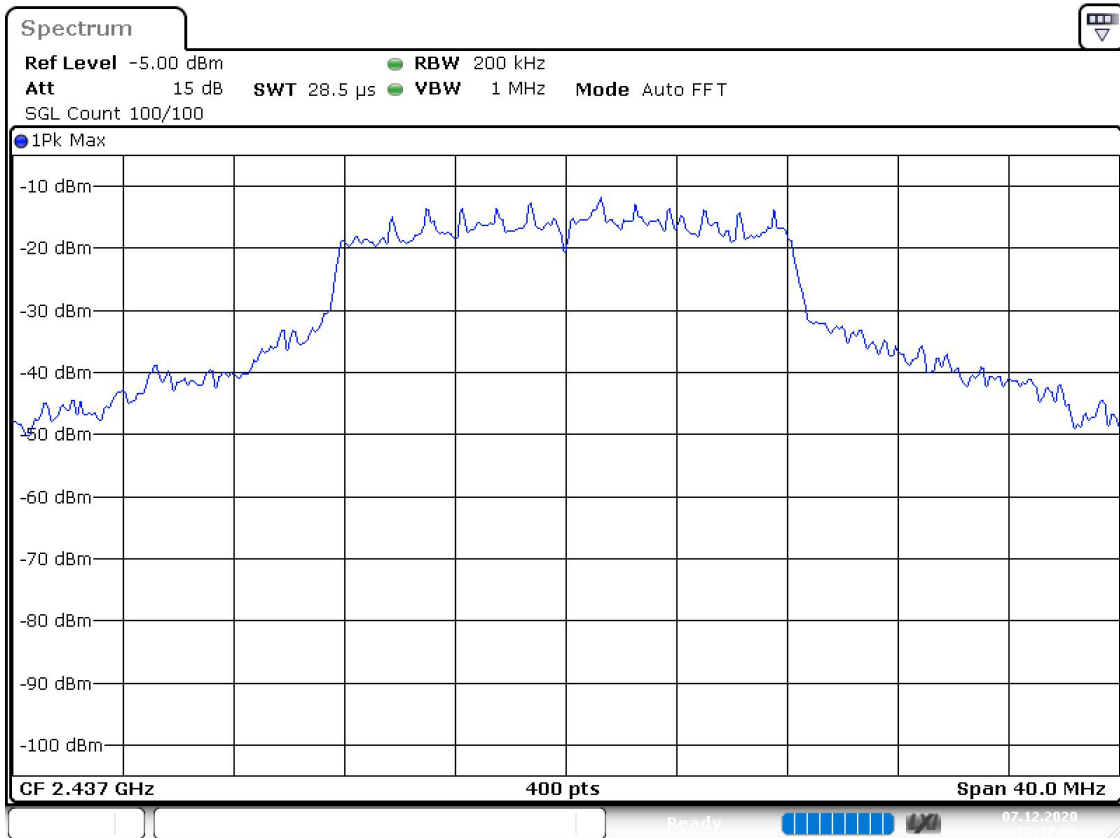
Occupied Channel Bandwidth 99% (2437 MHz; 24.000 dBm; 20 MHz)

99 % Bandwidth

	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
Bandwidth	2437.000000	17.100000	---	---	2428.650000 2445.750000
Result					
	2437.000000	PASS			

99 % Bandwidth





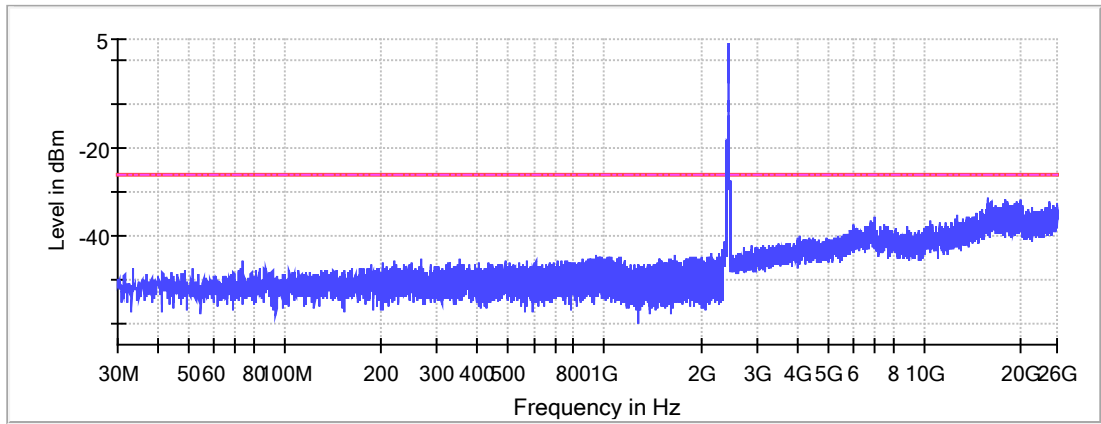
Date: 7.DEC.2020 12:17:08

Tx Spurious Emission (2437 MHz; 24.000 dBm; 20 MHz)

Result

					Result	
2437.000000					PASS	
Final	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result	
--	--	--	--	--	--	--
	Level (dBm)	Margin (dB)	Limit (dBm)			
15804.813514	-31.4	5.4	-26.0			
17905.800155	-31.7	5.6	-26.0			
15821.715470	-31.7	5.7	-26.0			
19884.798764	-31.8	5.8	-26.0			
15888.588427	-31.9	5.9	-26.0			
17891.102801	-32.0	5.9	-26.0			
16132.564490	-32.0	5.9	-26.0			
19895.086911	-32.0	6.0	-26.0			
19907.579662	-32.1	6.0	-26.0			
16173.717079	-32.1	6.0	-26.0			
18244.574146	-32.1	6.0	-26.0			
18211.505101	-32.1	6.1	-26.0			
19552.638582	-32.1	6.1	-26.0			
18207.095895	-32.1	6.1	-26.0			
19879.654690	-32.1	6.1	-26.0			
	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			

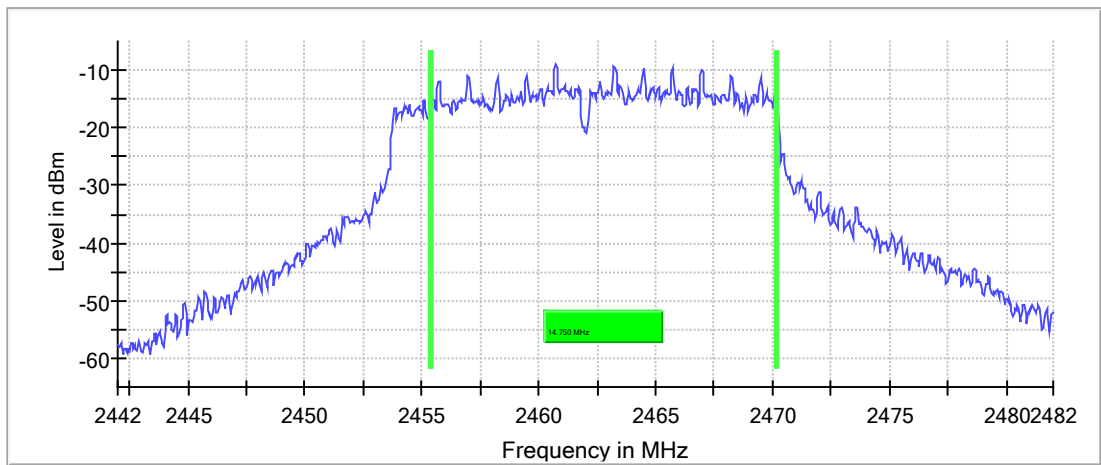
Spurious

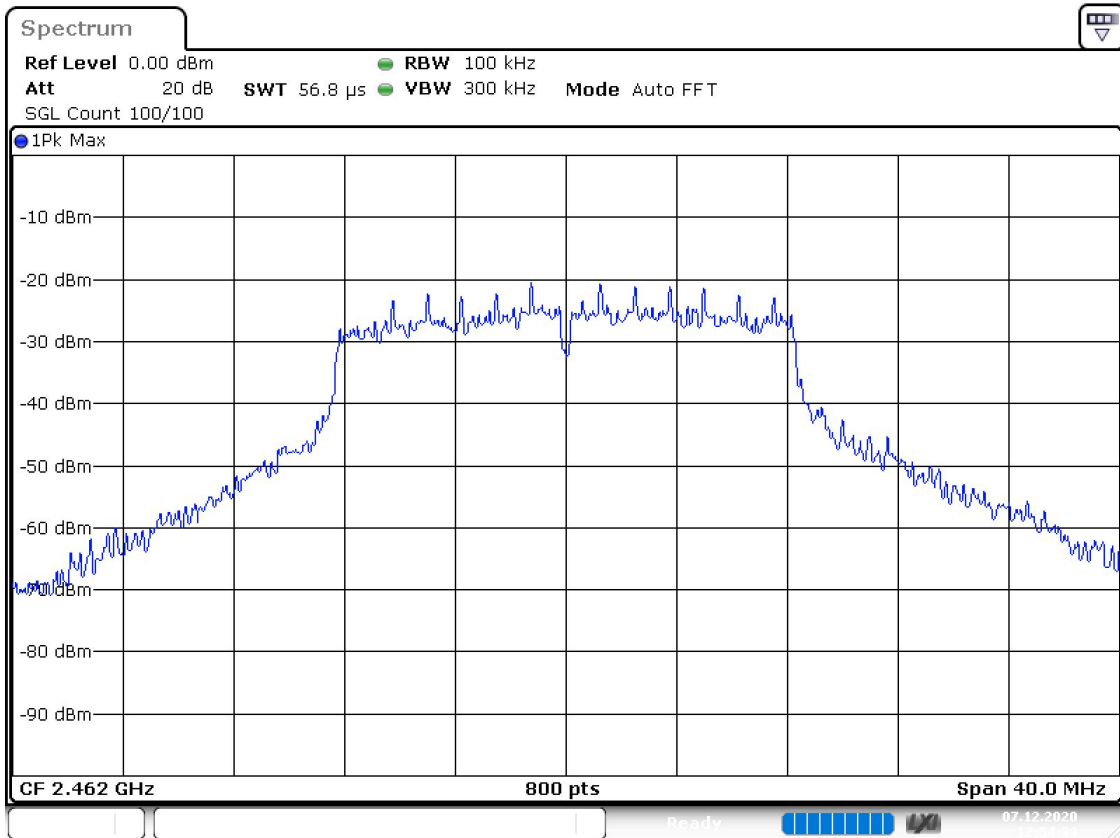


— Limit - - - Threshold — Sum Level × Critical × Final Critical

	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
Minimum					
2462.000000	14.750000	0.500000	---	2455.425000	2470.175000
	Max Level (dBm)	Result			
2462.000000	-9.1	PASS			

6 dB Bandwidth





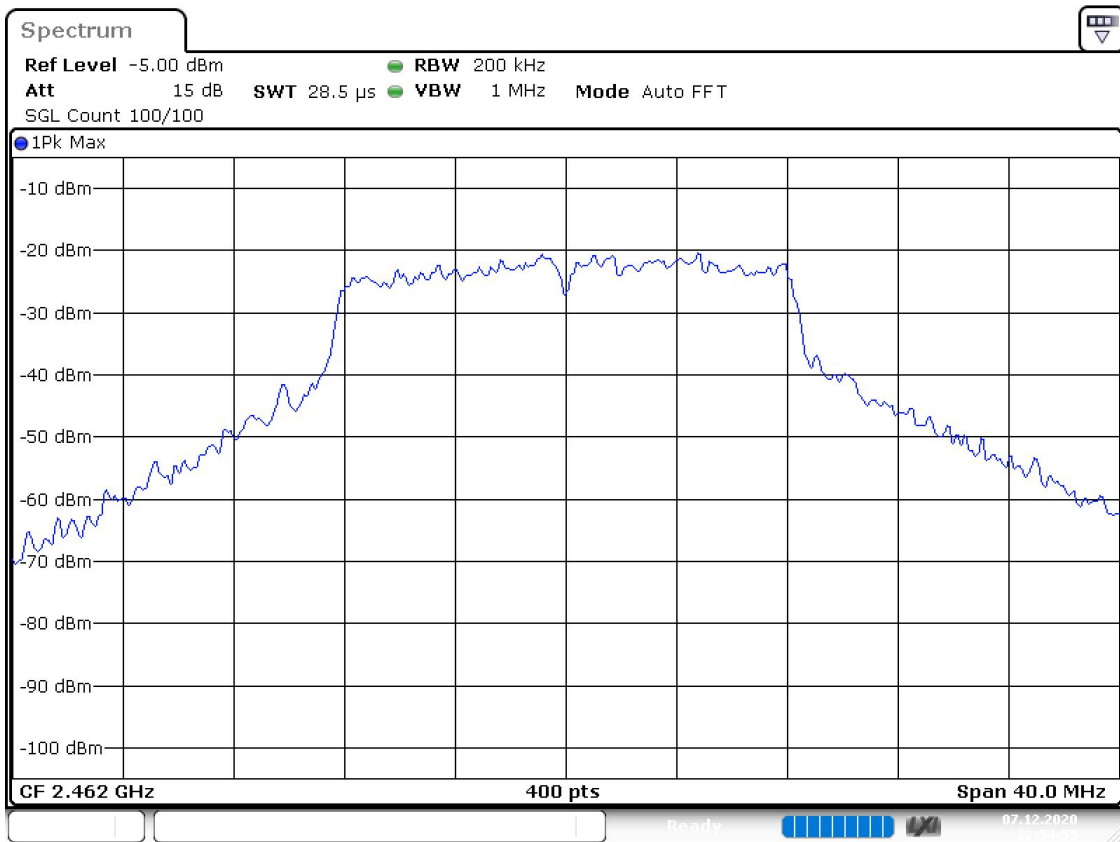
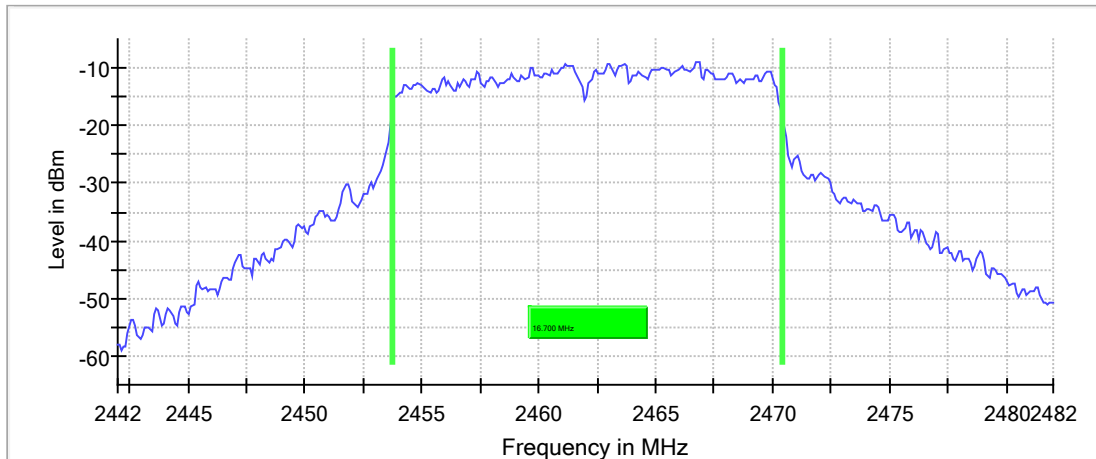
Date: 7.DEC.2020 12:54:33

Power Spectral Density (2462 MHz; 24.000 dBm; 20 MHz)

Result

		Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result	
Bandwidth		2462.000000	2462.925000	-13.168	8.0	PASS
State						
1	used					
2	used					
Occupied		Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000		16.700000	--	--	2453.750000	2470.450000
Result						
2462.000000		PASS				

99 % Bandwidth



Date: 7.DEC.2020 12:54:55

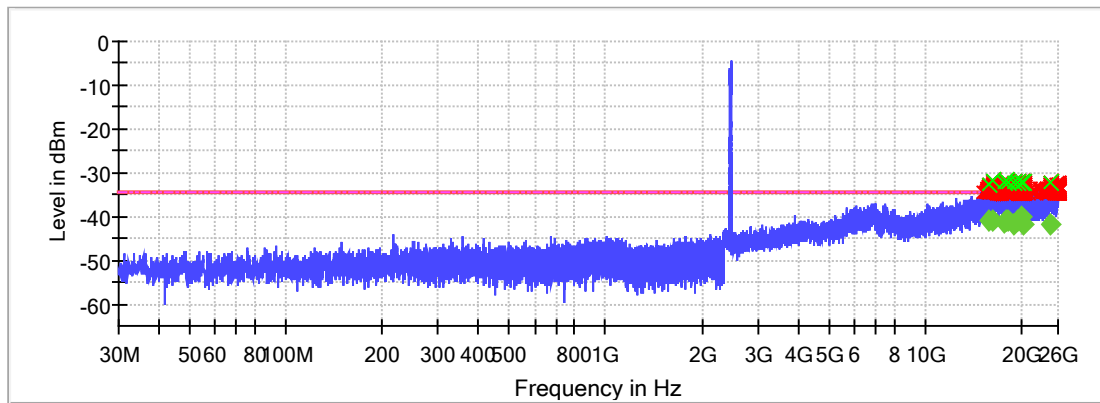
Tx Spurious Emission (2462 MHz; 24.000 dBm; 20 MHz)

Result

					Result
2462.000000					PASS
Final	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
15894.753358	-33.3	-41.1	-34.5	6.6	PASS
16211.198502	-35.3	-41.1	-34.5	6.5	PASS
17600.015636	-36.1	-41.6	-34.5	7.0	PASS
17894.671044	-33.5	-40.9	-34.5	6.3	PASS
18237.919980	-35.4	-41.0	-34.5	6.4	PASS

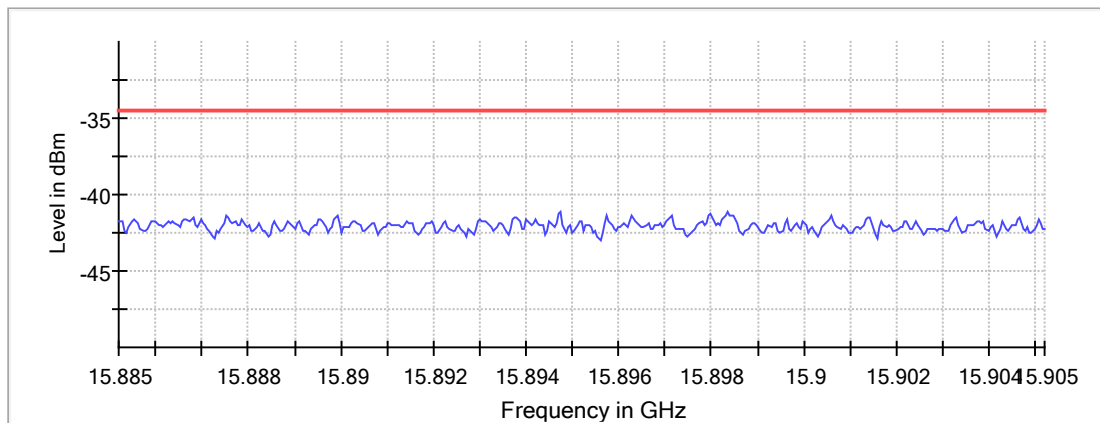
18862.654069	-32.9	-42.0	-34.5	7.4	PASS
19563.366089	-33.9	-41.0	-34.5	6.4	PASS
19873.702523	-34.4	-40.3	-34.5	5.8	PASS
20198.654136	-37.3	-41.7	-34.5	7.2	PASS
24612.405098	-35.8	-41.7	-34.5	7.2	PASS
	Level (dBm)	Margin (dB)	Limit (dBm)		
16208.255859	-31.8	-2.8	-34.5		
16193.558506	-31.9	-2.7	-34.5		
17900.656081	-31.9	-2.6	-34.5		
19872.306014	-32.1	-2.4	-34.5		
24609.262953	-32.1	-2.4	-34.5		
20205.935932	-32.2	-2.4	-34.5		
17888.898198	-32.2	-2.3	-34.5		
18856.718907	-32.3	-2.3	-34.5		
19854.669190	-32.3	-2.3	-34.5		
17604.504414	-32.3	-2.2	-34.5		
16244.999242	-32.3	-2.2	-34.5		
18229.141925	-32.4	-2.2	-34.5		
24538.715657	-32.4	-2.2	-34.5		
19571.745141	-32.4	-2.1	-34.5		
24579.868246	-32.4	-2.1	-34.5		
	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



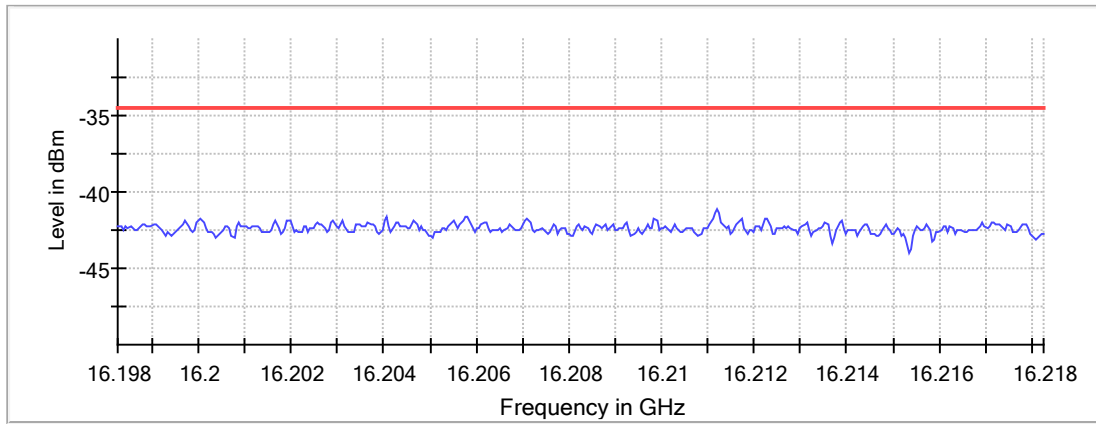
— Limit
× Final Critical
— Sum Level
◆ Fail
◆ Pass
× Critical

FinalMeas_15895202236Hz



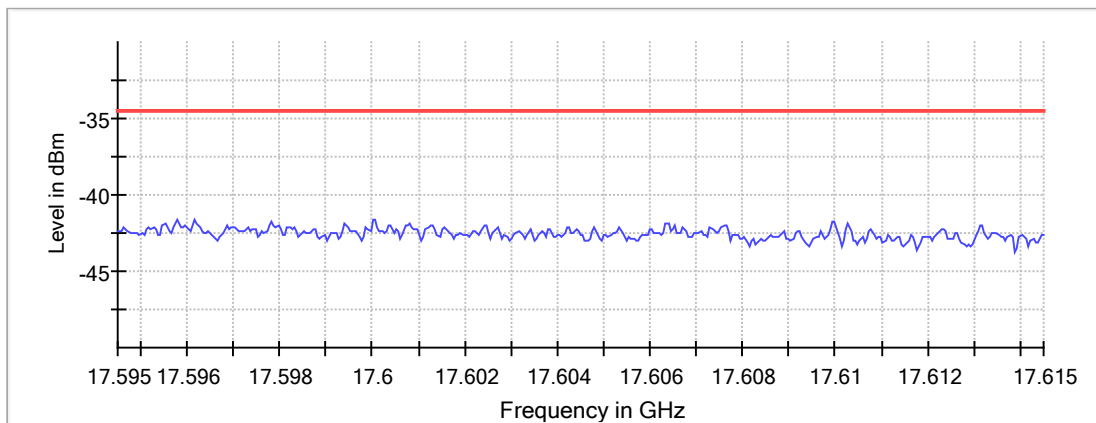
— Sum Level
— Limit

FinalMeas_16208255859Hz



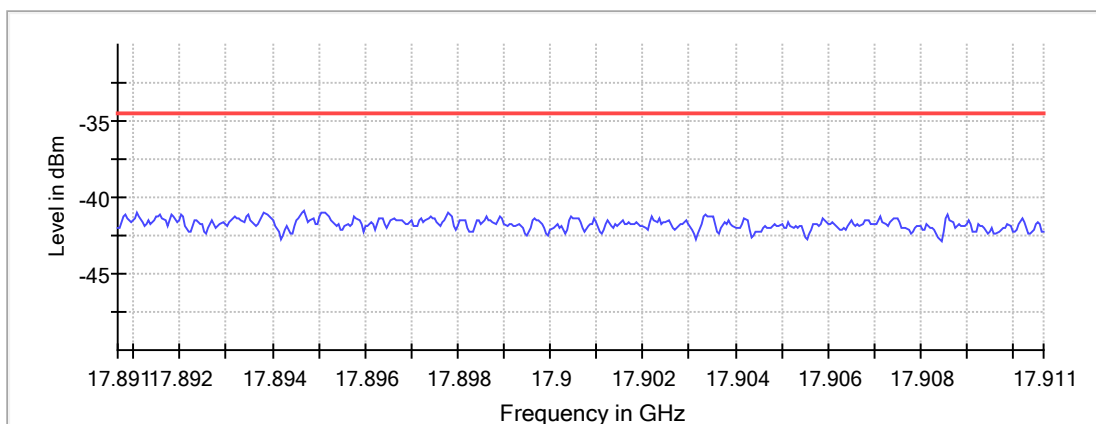
— Sum Level — Limit

FinalMeas_17604504414Hz



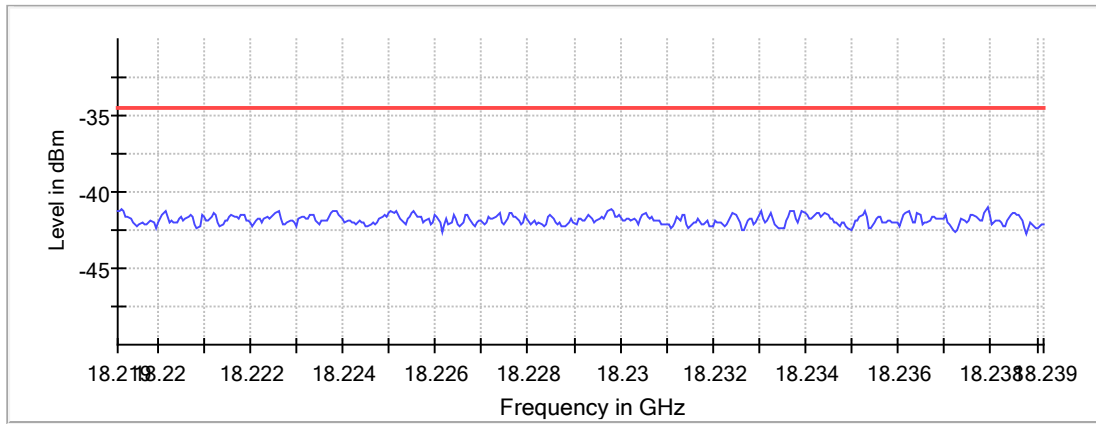
— Sum Level — Limit

FinalMeas_17900656081Hz



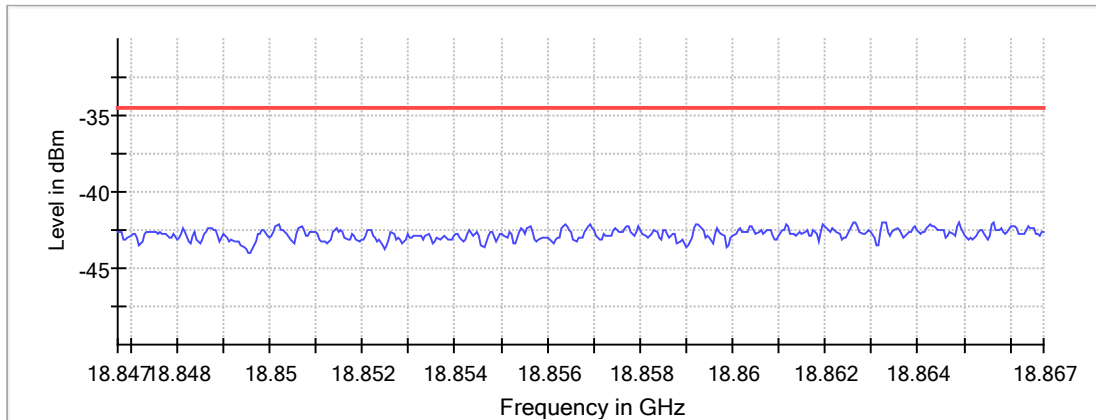
— Sum Level — Limit

FinalMeas_18229141925Hz



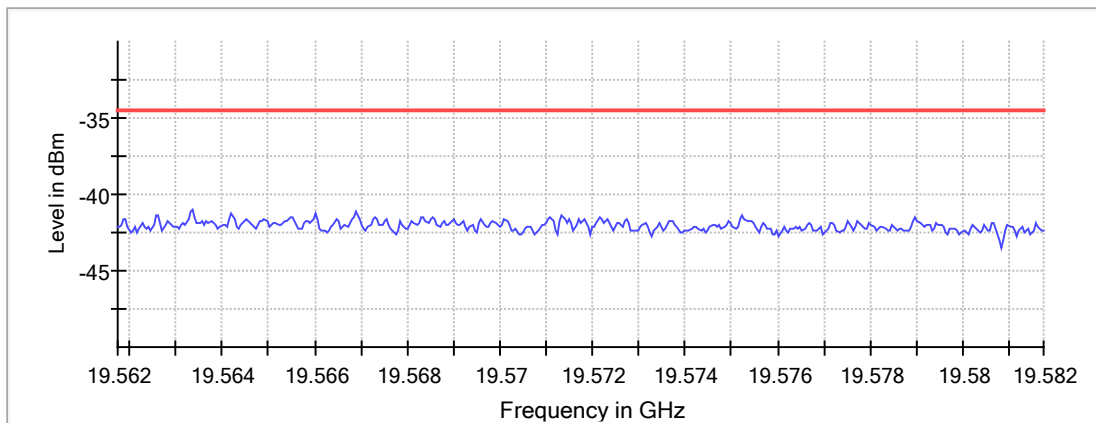
— Sum Level — Limit

FinalMeas_18856718907Hz



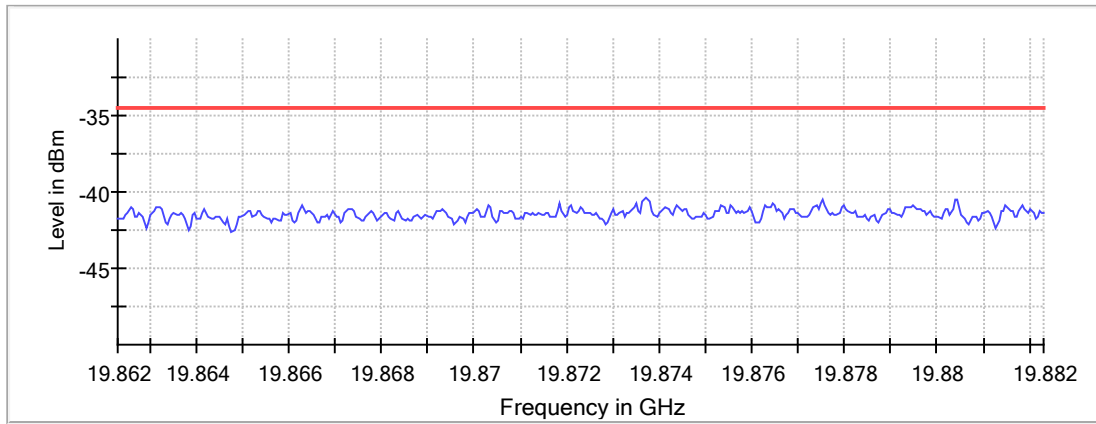
— Sum Level — Limit

FinalMeas_19571745141Hz

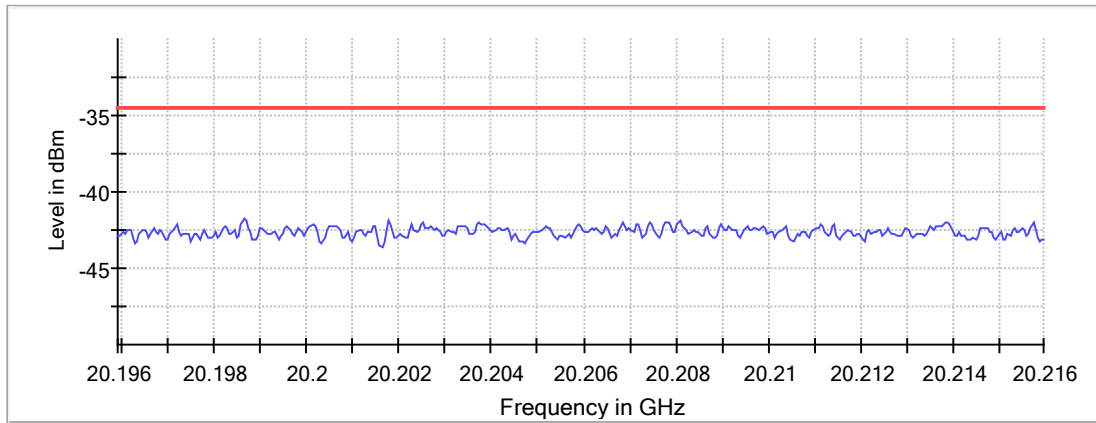


— Sum Level — Limit

FinalMeas_19872306014Hz



FinalMeas_20205935932Hz



FinalMeas_24609262953Hz

