4.3 Emissions in restricted frequency bands	VERDICT: PASS

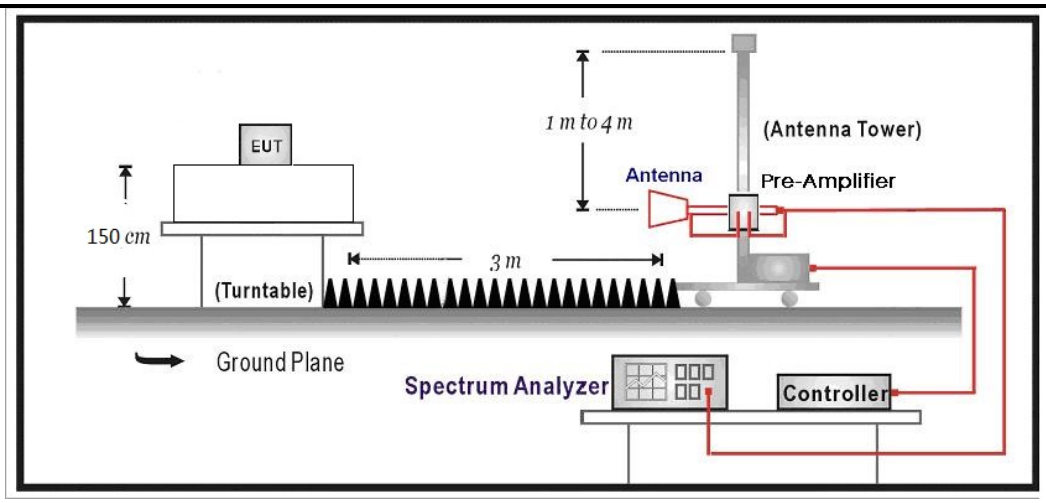
Restricted Bands of operation of FCC			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 –16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975–12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675–12.57725	322 – 335.4	3600 – 4400	
13.36 – 13.41			
Restricted Bands of operation for IC			
0.090 - 0.110	13.36 - 13.41	960 - 1427	9.0 - 9.2
0.495 - 0.505	16.42 - 16.423	1435 - 1626.5	9.3 - 9.5
2.1735 - 2.1905	16.69475 - 16.69525	1645.5 - 1646.5	10.6 - 12.7
3.020 - 3.026	16.80425 - 16.80475	1660 - 1710	13.25 - 13.4
4.125 - 4.128	25.5 - 25.67	1718.8 - 1722.2	14.47 - 14.5
4.17725 - 4.17775	37.5 - 38.25	2200 - 2300	15.35 - 16.2
4.20725 - 4.20775	73 - 74.6	2310 - 2390	17.7 - 21.4
5.677 - 5.683	74.8 - 75.2	2483.5 - 2500	22.01 - 23.12
6.215 - 6.218	108 - 138	2655 - 2900	23.6 - 24.0
6.26775 - 6.26825	149.9 - 150.05	3260 - 3267	31.2 - 31.8
6.31175 - 6.31225	156.52475 - 156.52525	3332 - 3339	36.43 - 36.5
8.291 - 8.294	156.7 - 156.9	3345.8 - 3358	Above 38.6
8.362 - 8.366	162.0125 - 167.17	3500 - 4400	
8.37625 - 8.38675	167.72 - 173.2	4500 - 5150	
8.41425 - 8.41475	240 - 285	5350 - 5460	
12.29 - 12.293	322 - 335.4	7250 - 7750	
12.51975 - 12.52025	399.9 - 410	8025 - 8500	
12.57675 - 12.57725	608 - 614	--	

Restricted Band Emissions Limit			
Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30(Note 1)
1.705 - 30	30	29.5	30(Note 1)
30 - 88	100	40	3(Note 2)
88 - 216	150	43.5	3(Note 2)
216 - 960	200	46	3(Note 2)
Above 960	500	54	3(Note 2)

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

Test Configuration



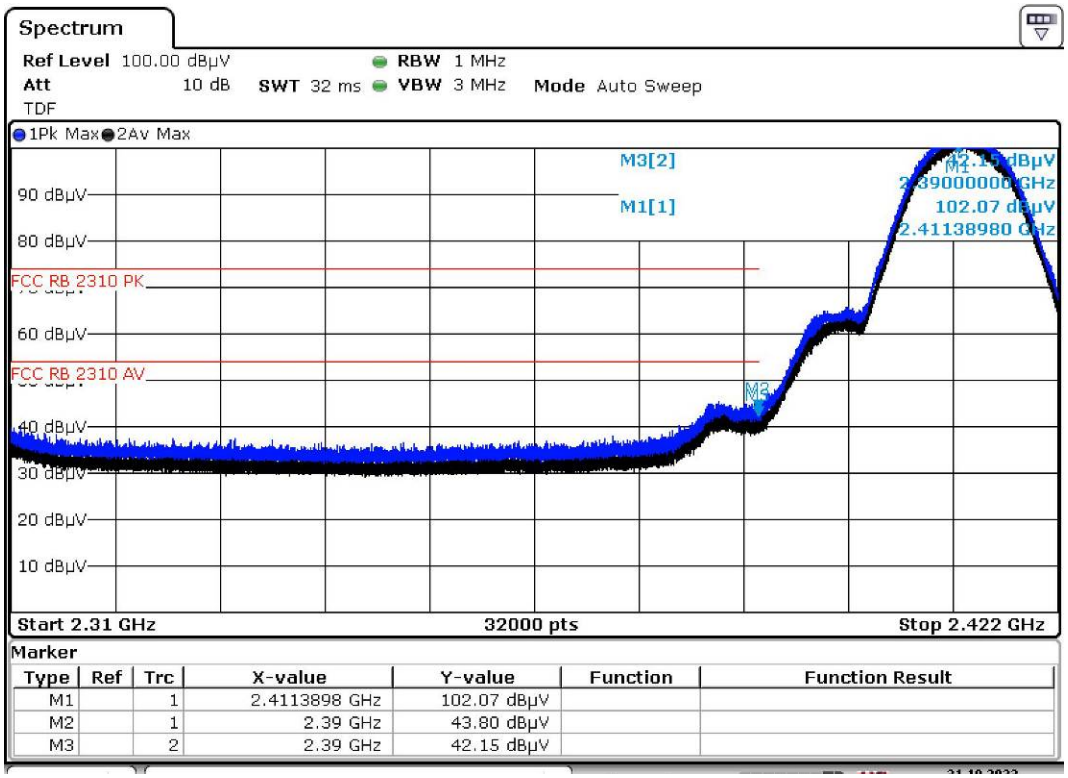
Performed measurements

Port under test	Enclosure port	
Test method applied	☐	Conducted measurement
	☒	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	---	

Model	EMK401
Operation Mode (worst case)	Mode 1 @2412 MHz, IEEE 802.11 b
Test voltage	5Vdc

Results

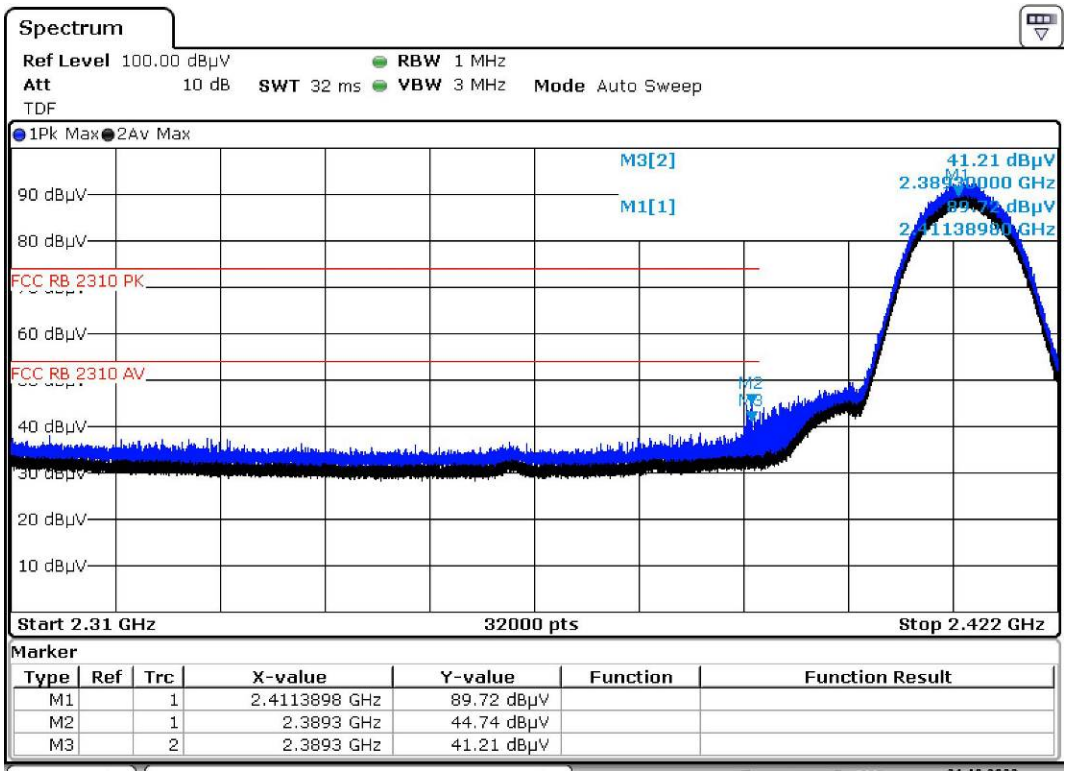
Horizontal



Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



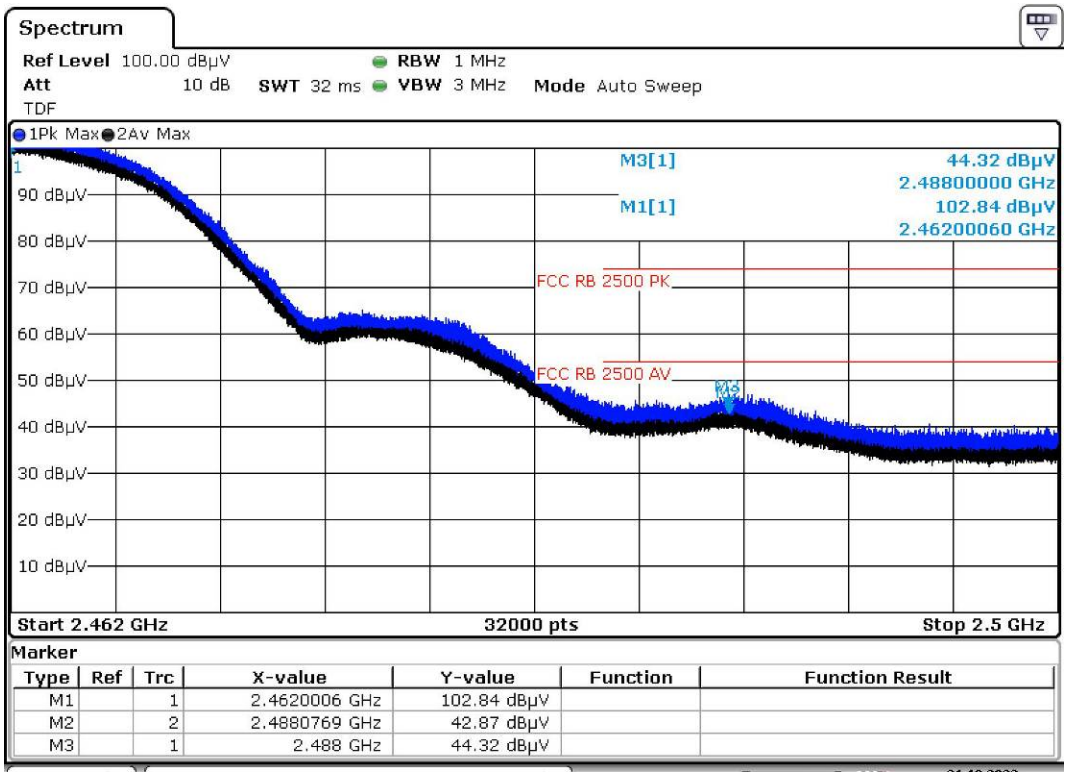
Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Model	EMK401
Operation Mode (worst case)	Mode 1 @2462 MHz, IEEE 802.11 b
Test voltage	5Vdc

Results

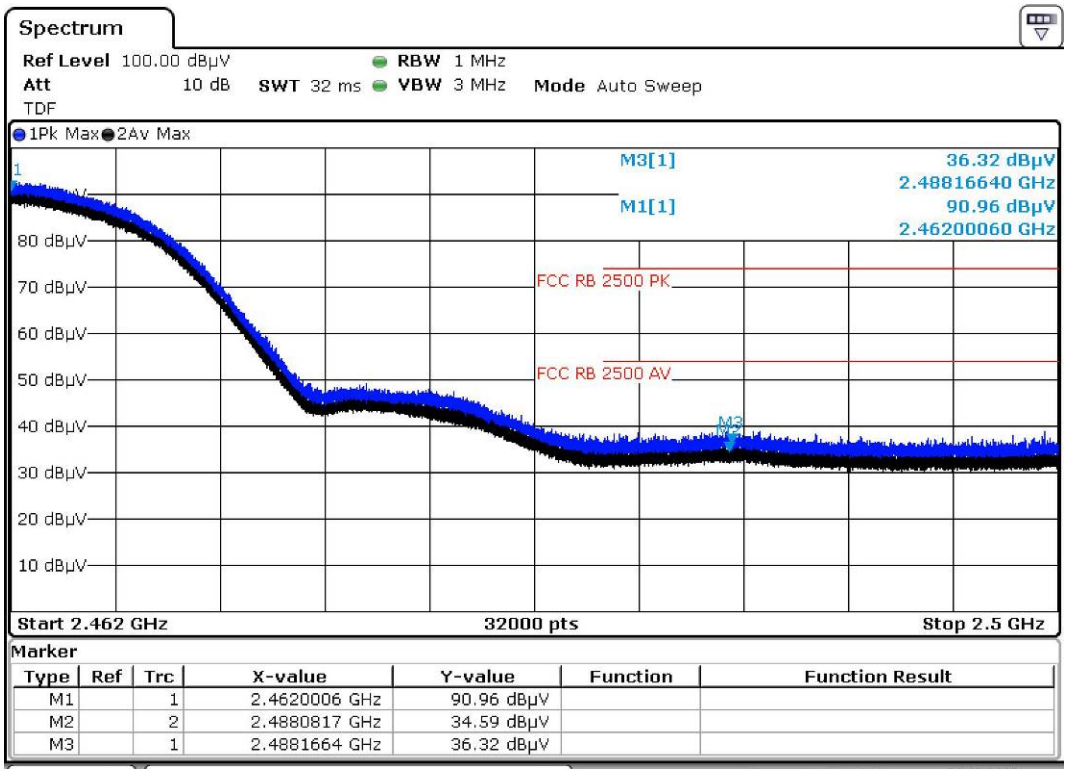
Horizontal



Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



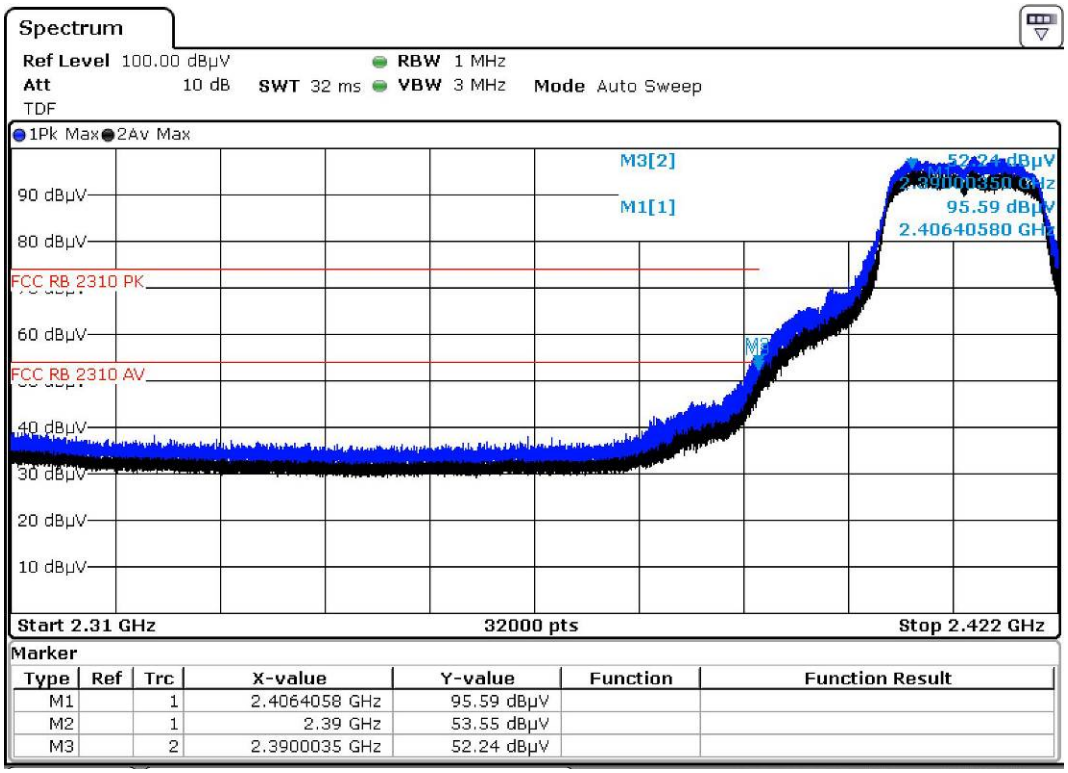
Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Model	EMK401
Operation Mode (worst case)	Mode 1 @2412 MHz, IEEE 802.11 g
Test voltage	5Vdc

Results

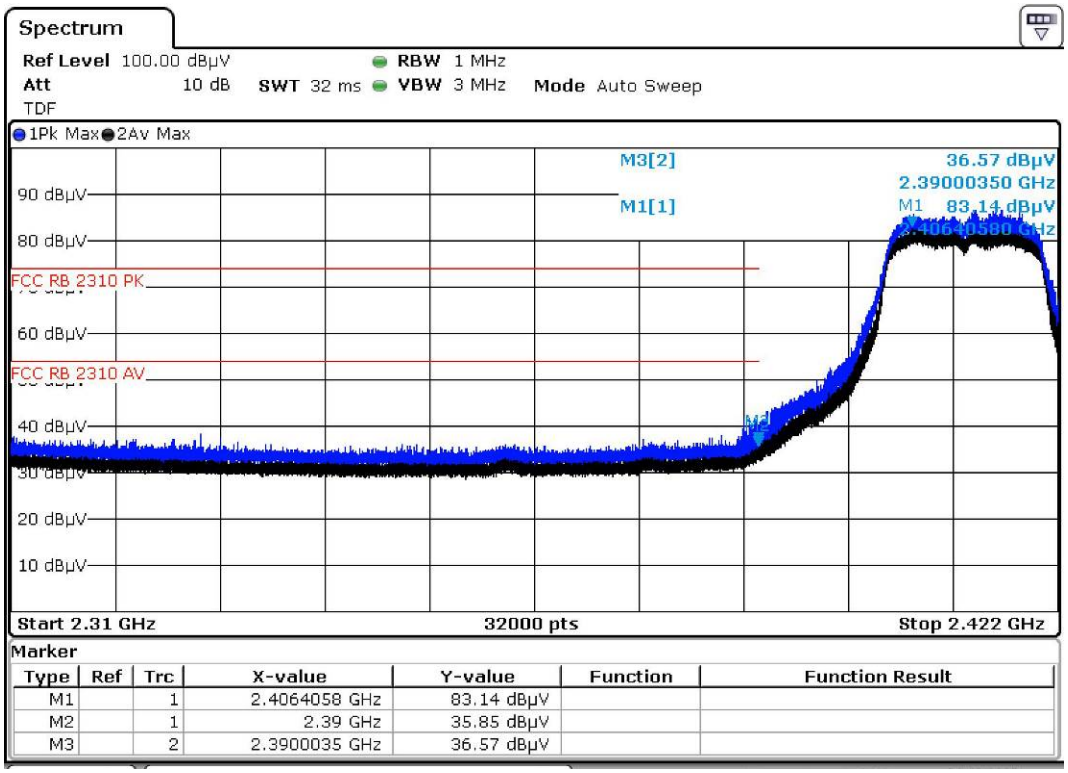
Horizontal



Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



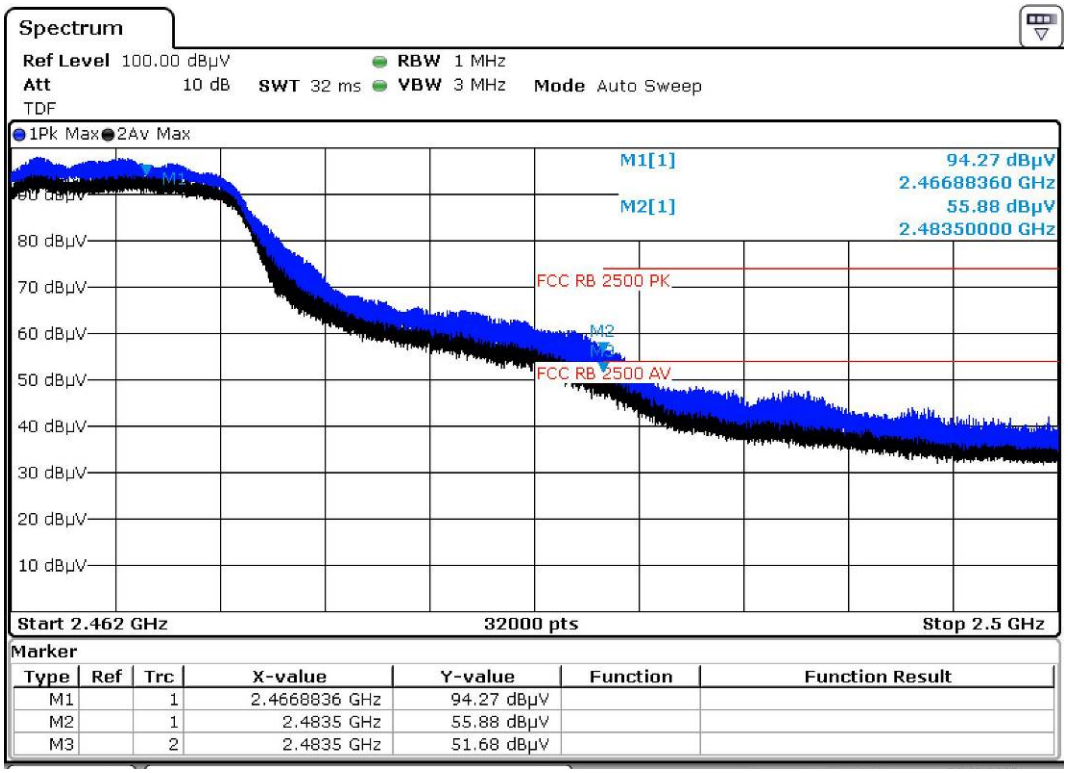
Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Model	EMK401
Operation Mode (worst case)	Mode 1 @2462 MHz, IEEE 802.11 g
Test voltage	5Vdc

Results

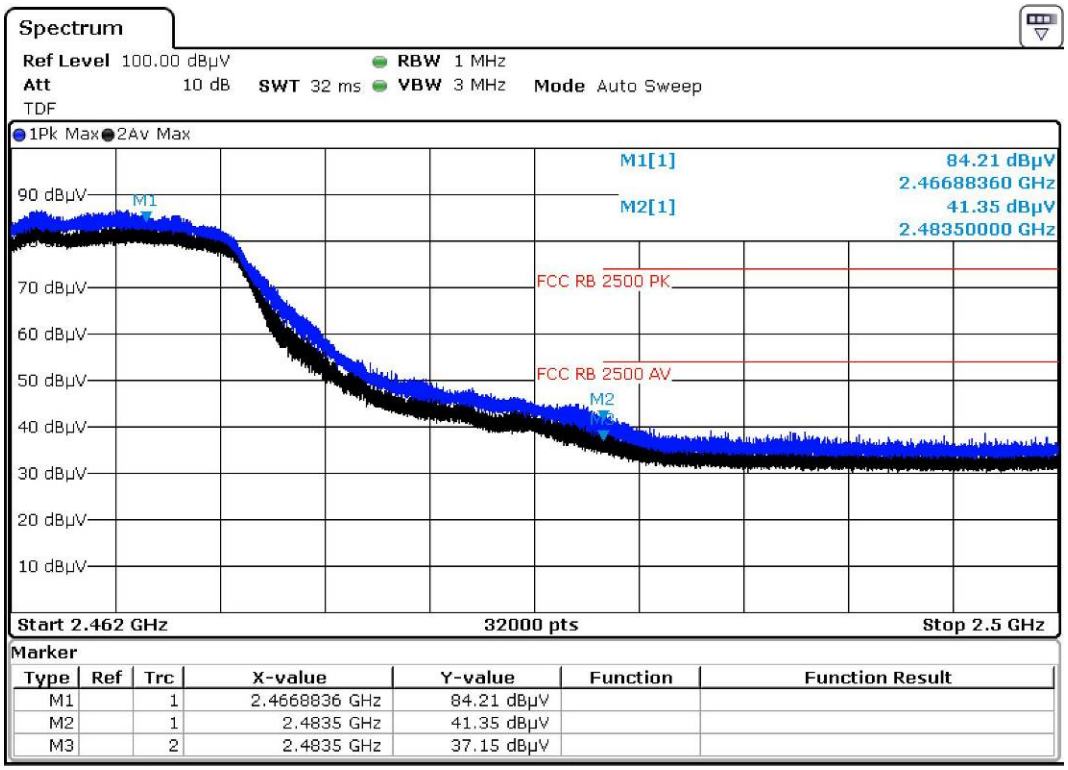
Horizontal



Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4668836 GHz	84.21 dBµV		
M2		1	2.4835 GHz	41.35 dBµV		
M3		2	2.4835 GHz	37.15 dBµV		

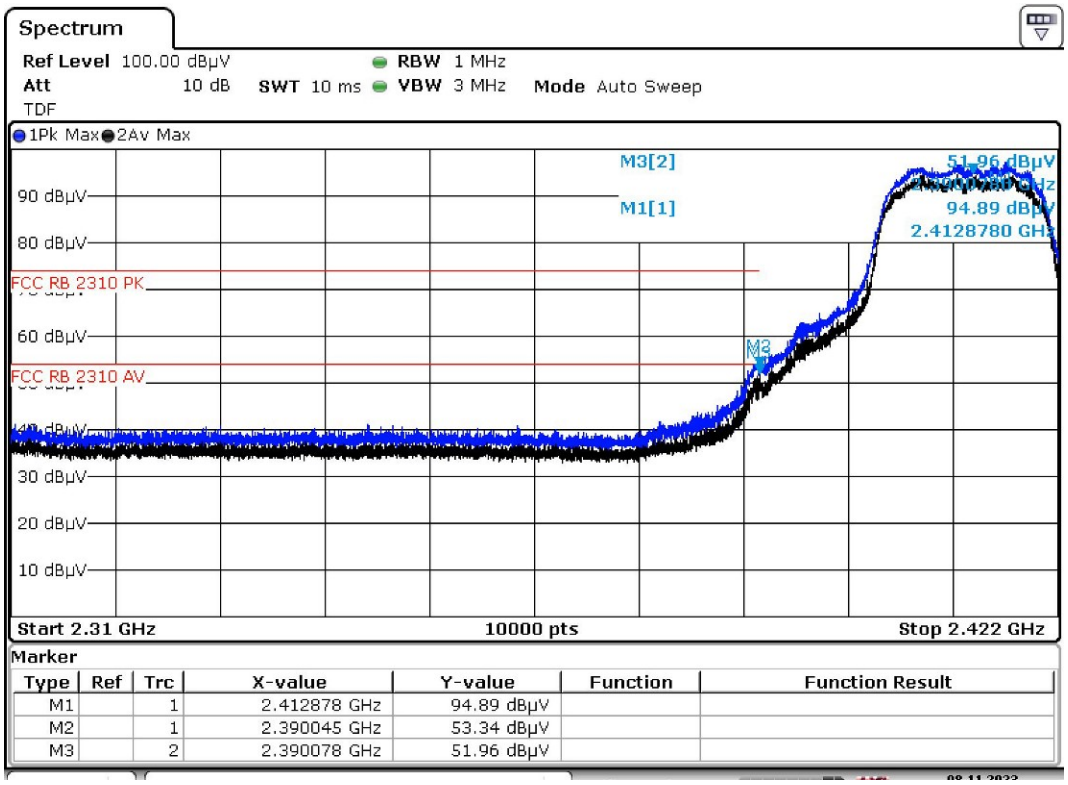
Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Model	EMK401
Operation Mode (worst case)	Mode 1 @2412 MHz, IEEE 802.11 n20
Test voltage	5Vdc

Results

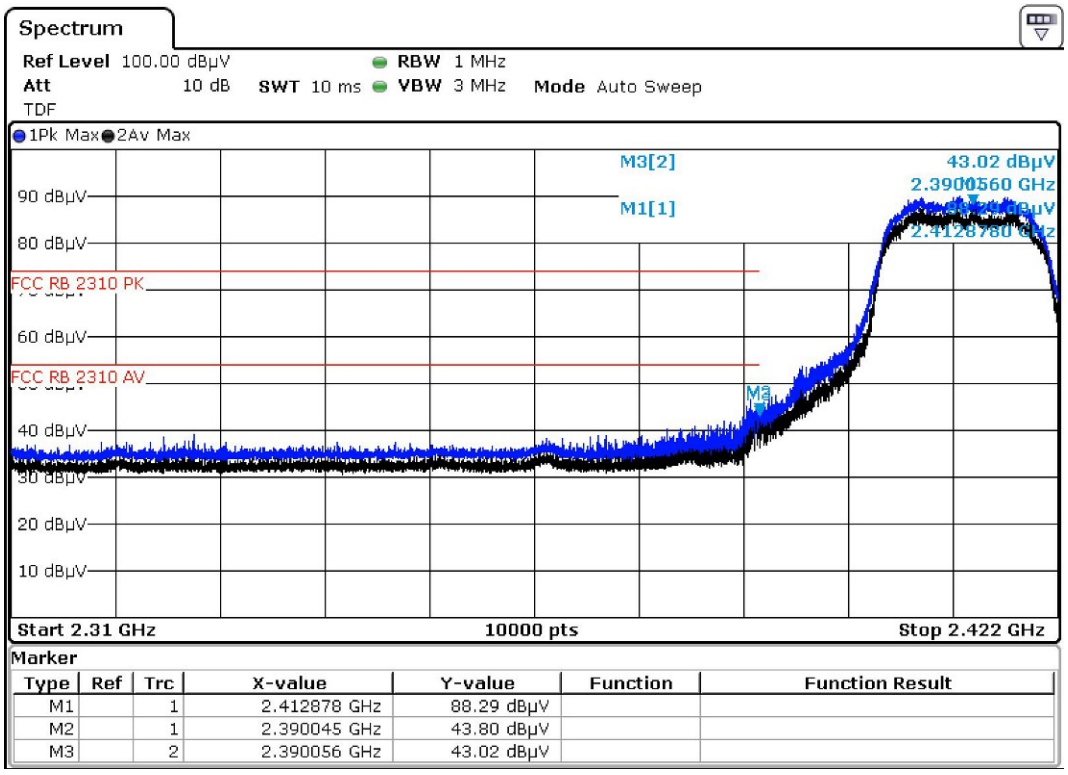
Horizontal



Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.412878 GHz	88.29 dBµV		
M2		1	2.390045 GHz	43.80 dBµV		
M3		2	2.390056 GHz	43.02 dBµV		

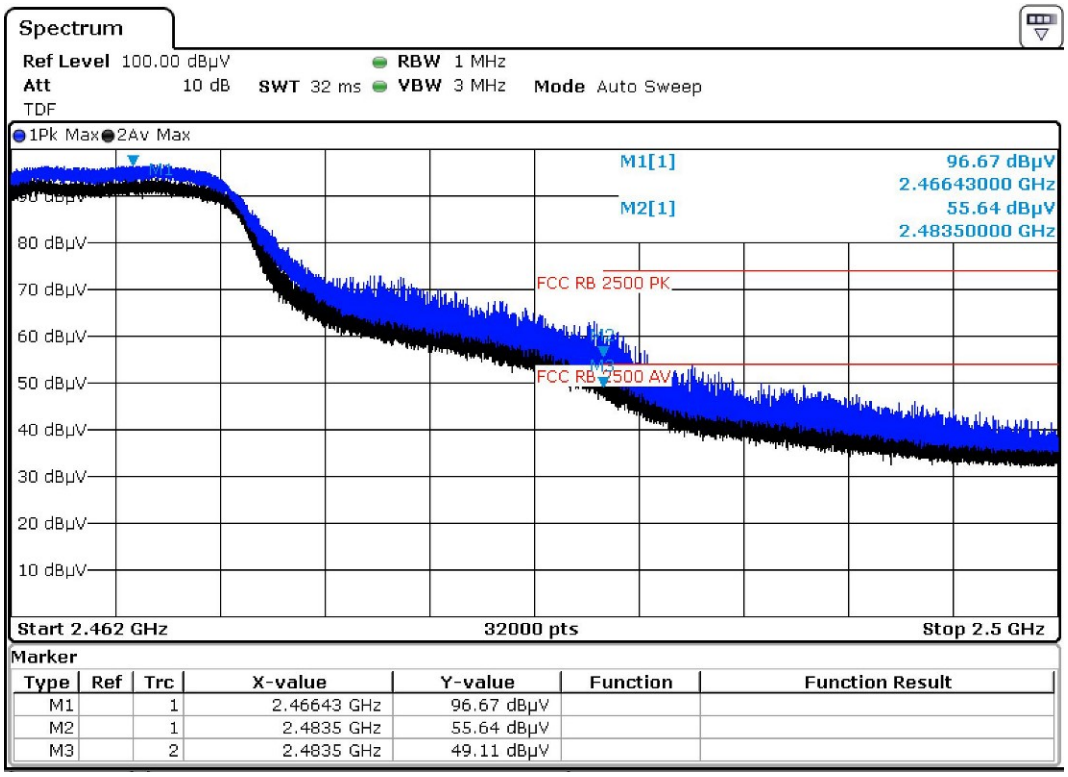
Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Model	EMK401
Operation Mode (worst case)	Mode 1 @2462 MHz, IEEE 802.11 n20
Test voltage	5Vdc

Results

Horizontal



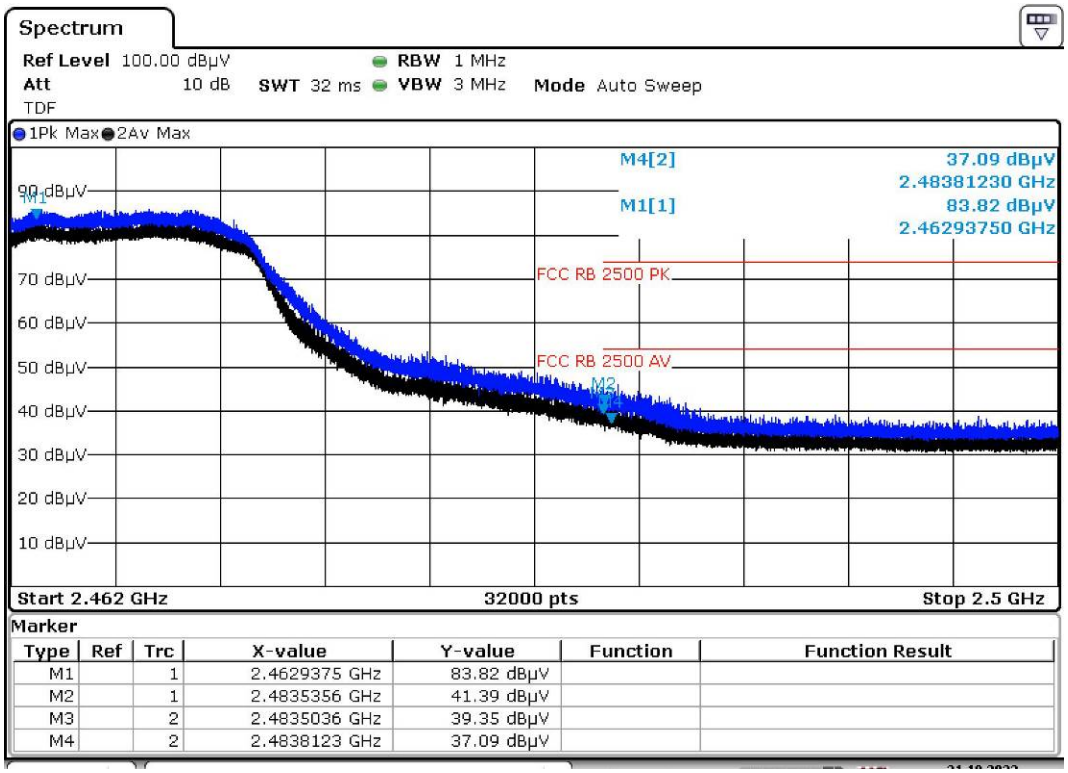
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46643 GHz	96.67 dBµV		
M2		1	2.4835 GHz	55.64 dBµV		
M3		2	2.4835 GHz	49.11 dBµV		

Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4629375 GHz	83.82 dBµV		
M2		1	2.4835356 GHz	41.39 dBµV		
M3		2	2.4835036 GHz	39.35 dBµV		
M4		2	2.4838123 GHz	37.09 dBµV		

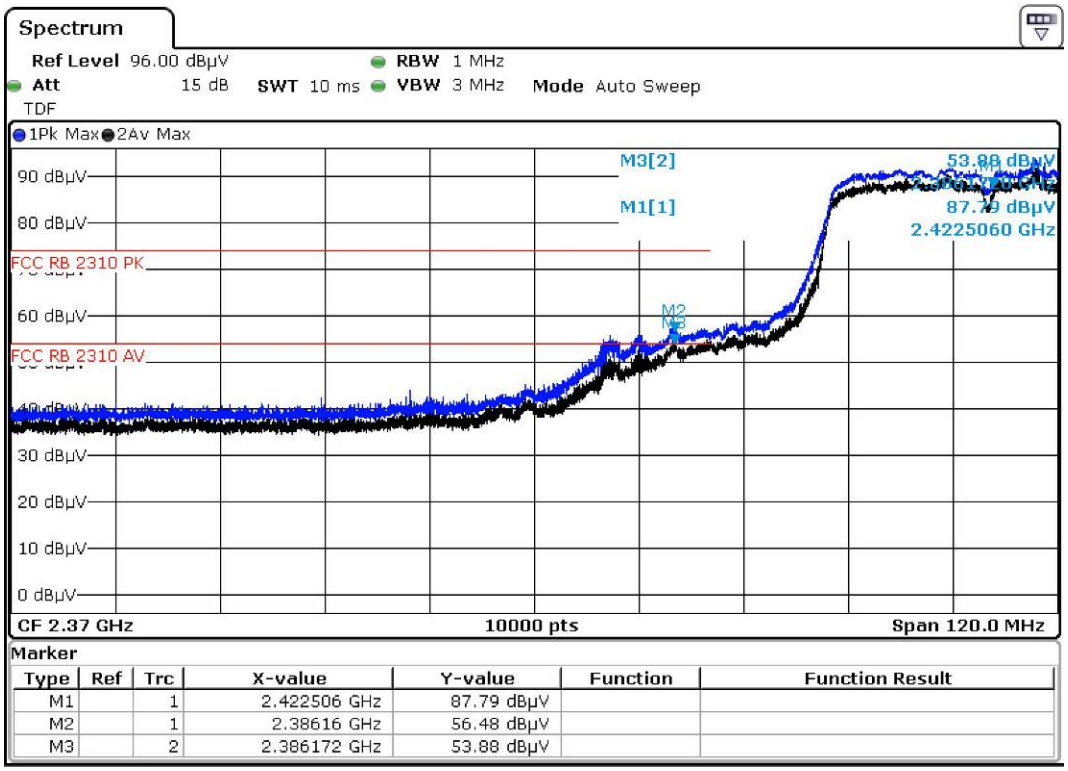
Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Model	EMK401
Operation Mode (worst case)	Mode 1 @2422 MHz, IEEE 802.11 n40
Test voltage	5Vdc

Results

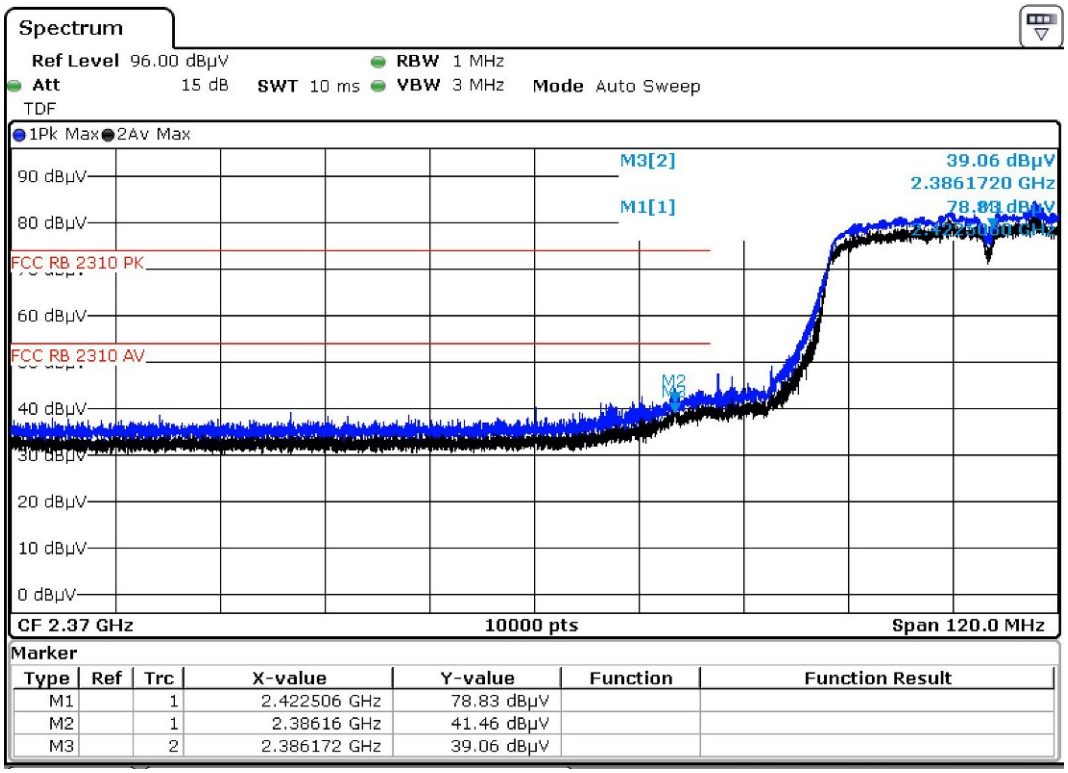
Horizontal



Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



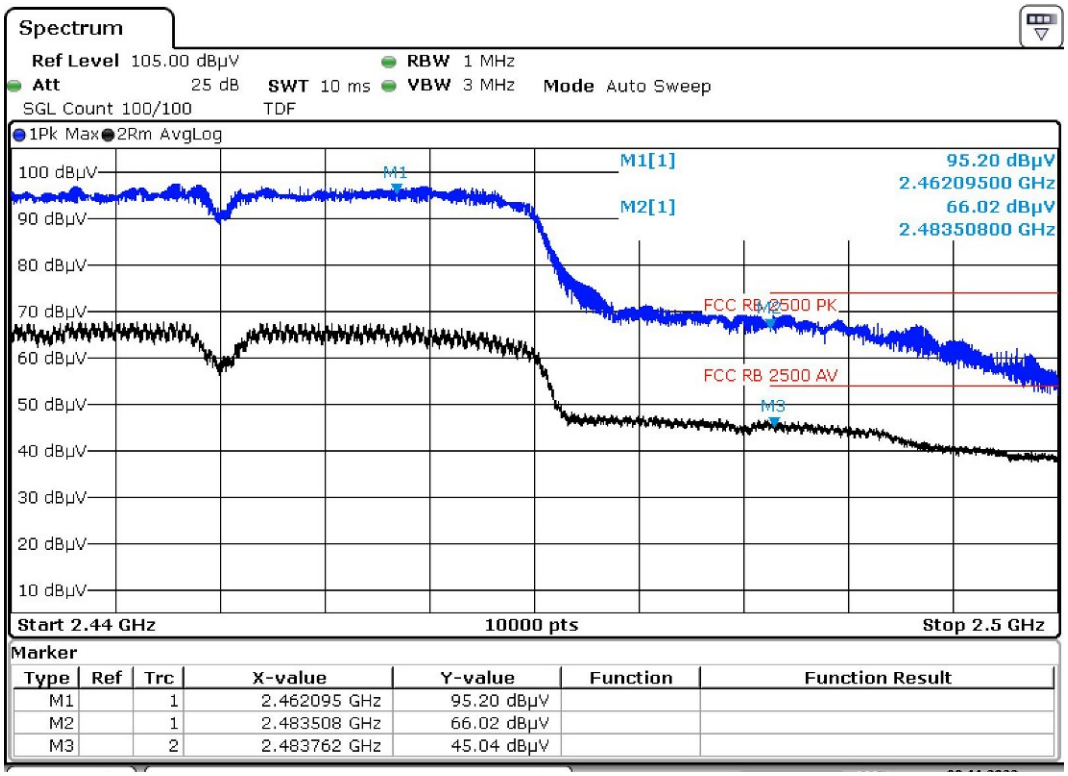
Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Model	EMK401
Operation Mode (worst case)	Mode 1 @2452 MHz, IEEE 802.11 n40
Test voltage	5Vdc

Results

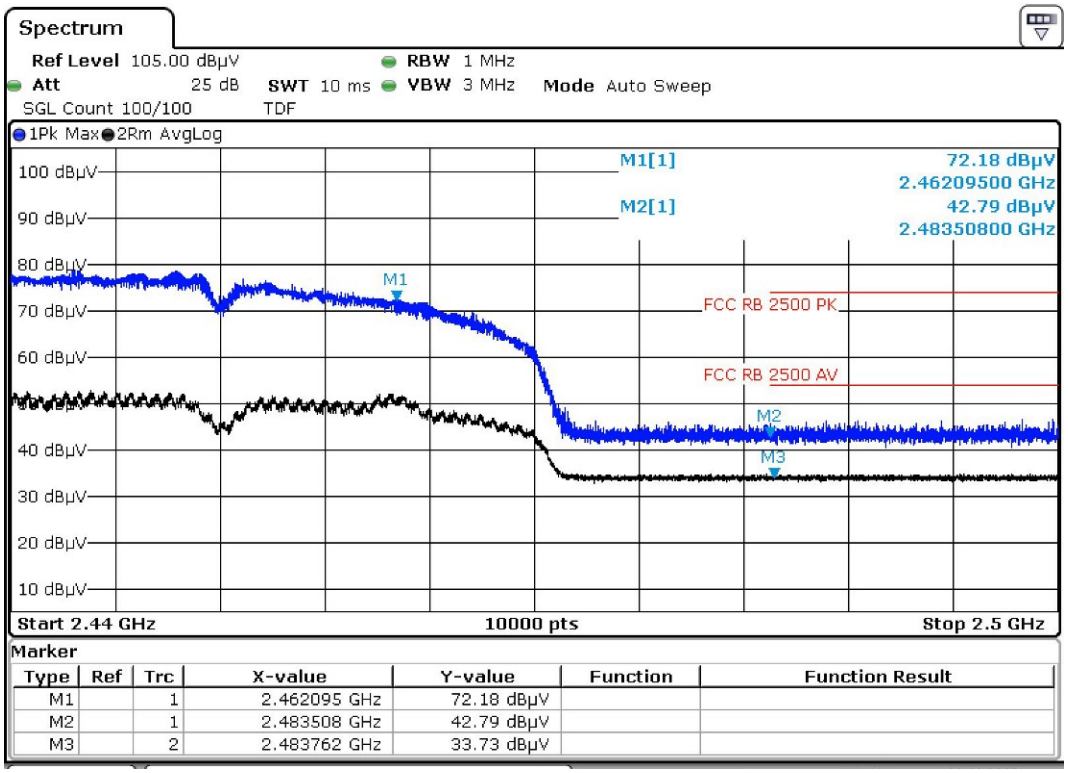
Horizontal



Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.462095 GHz	72.18 dBµV		
M2		1	2.483508 GHz	42.79 dBµV		
M3		2	2.483762 GHz	33.73 dBµV		

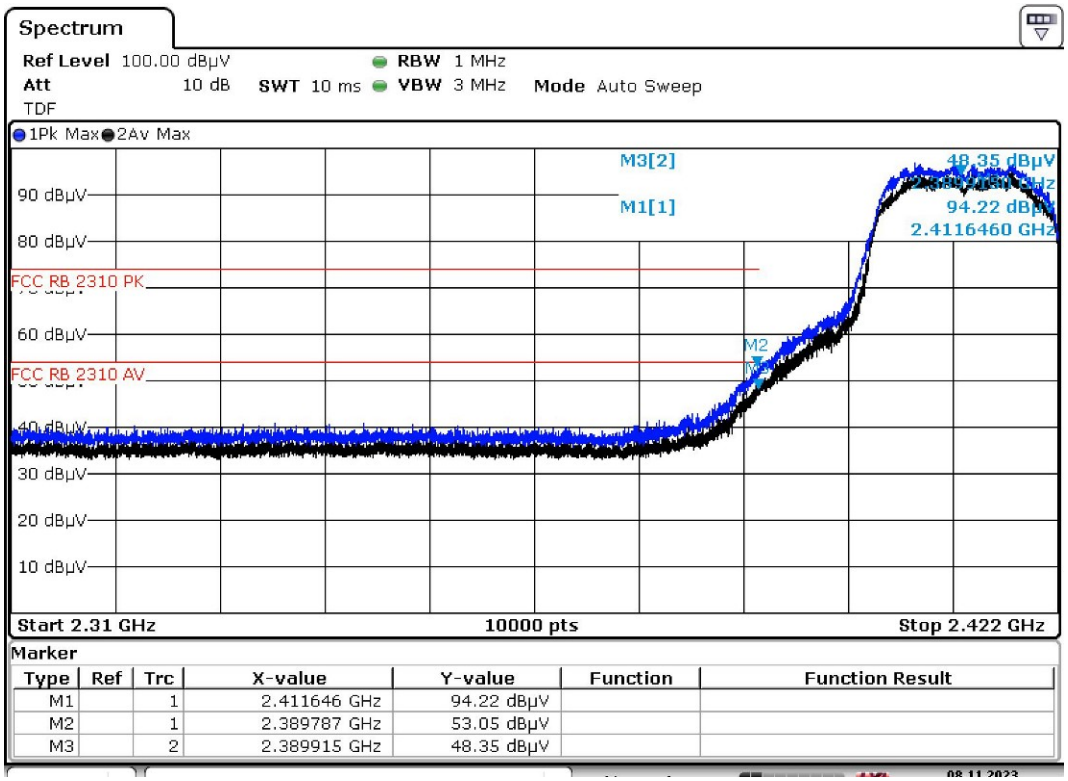
Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Model	EMK401
Operation Mode (worst case)	Mode 1 @2412 MHz, IEEE 802.11 ax20
Test voltage	5Vdc

Results

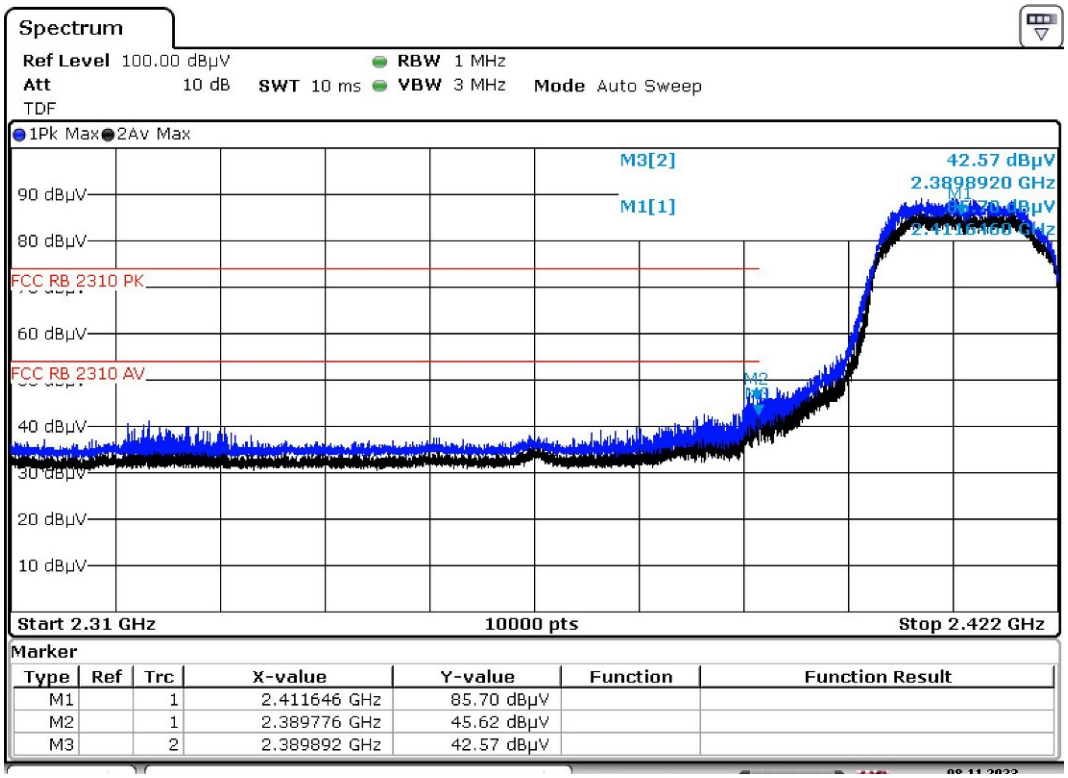
Horizontal



Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



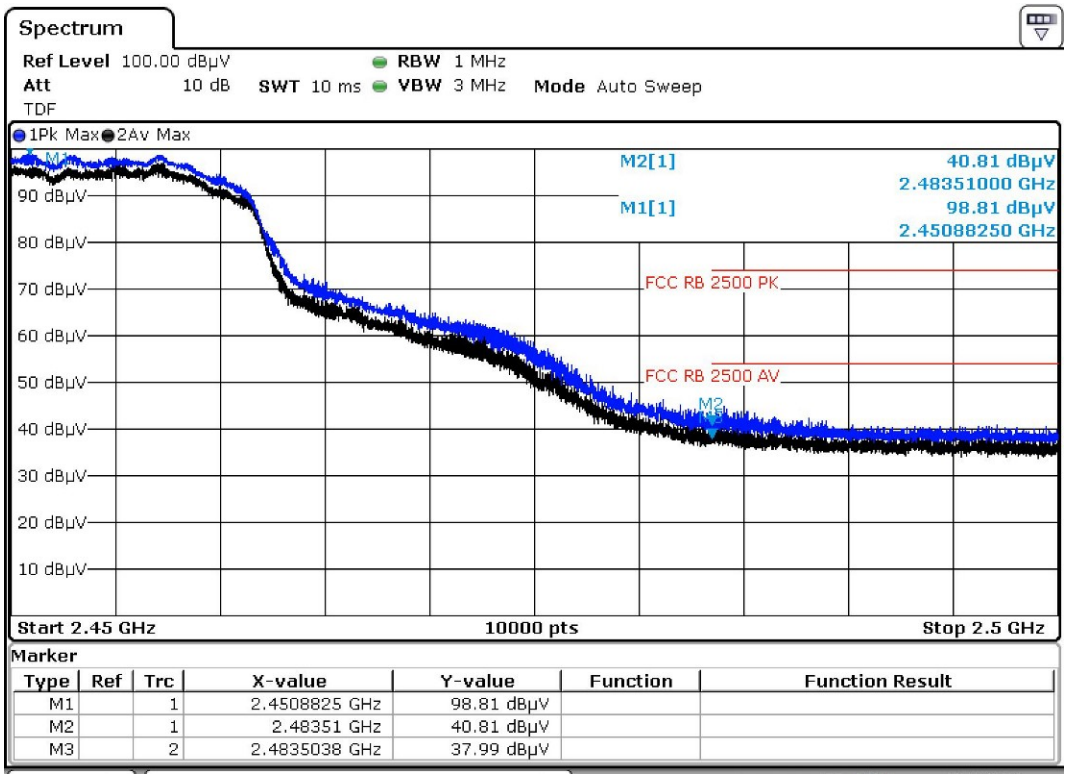
Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Model	EMK401
Operation Mode (worst case)	Mode 1 @2462 MHz, IEEE 802.11 n20
Test voltage	5Vdc

Results

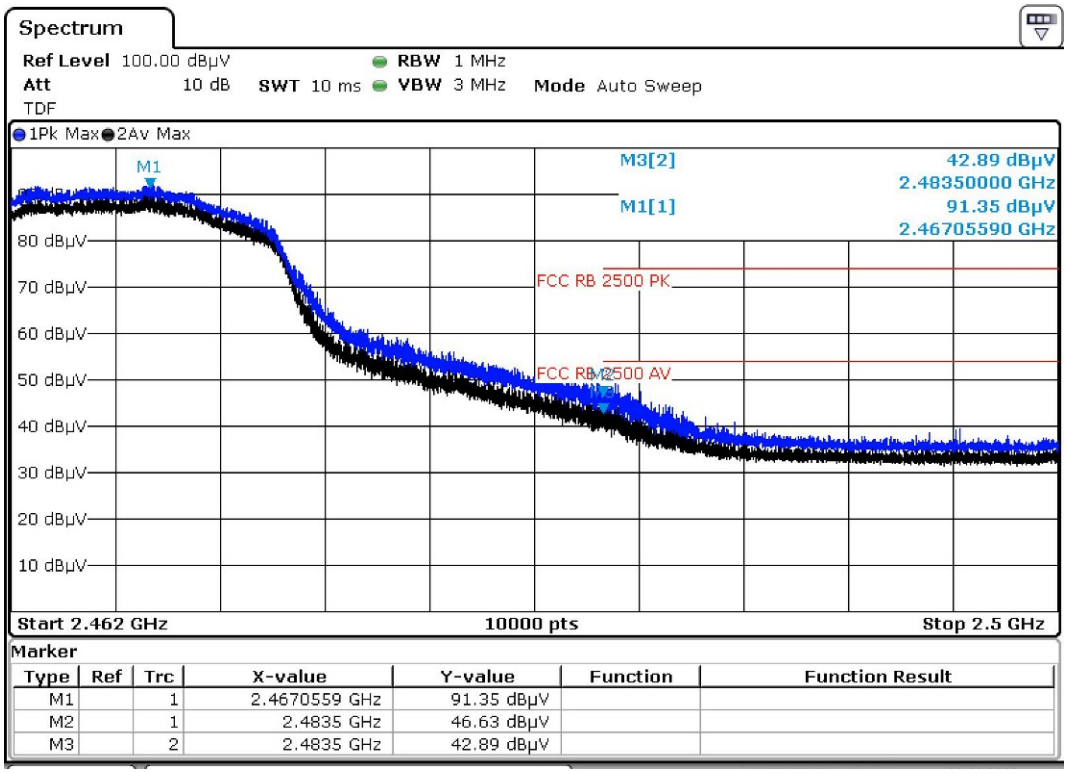
Horizontal



Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



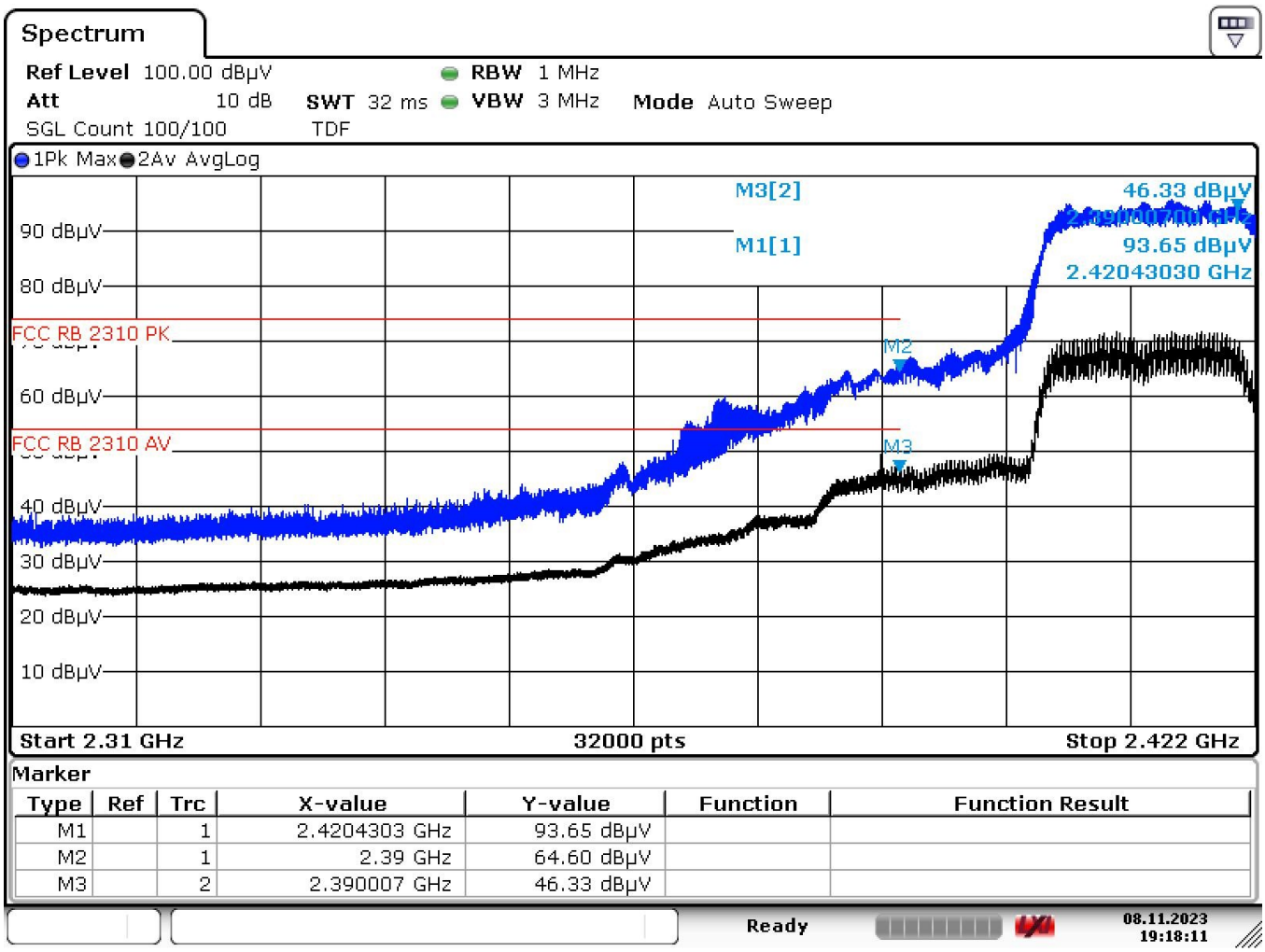
Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Model	EMK401
Operation Mode (worst case)	Mode 1 @2422 MHz, IEEE 802.11 n40
Test voltage	5Vdc

Results

Horizontal

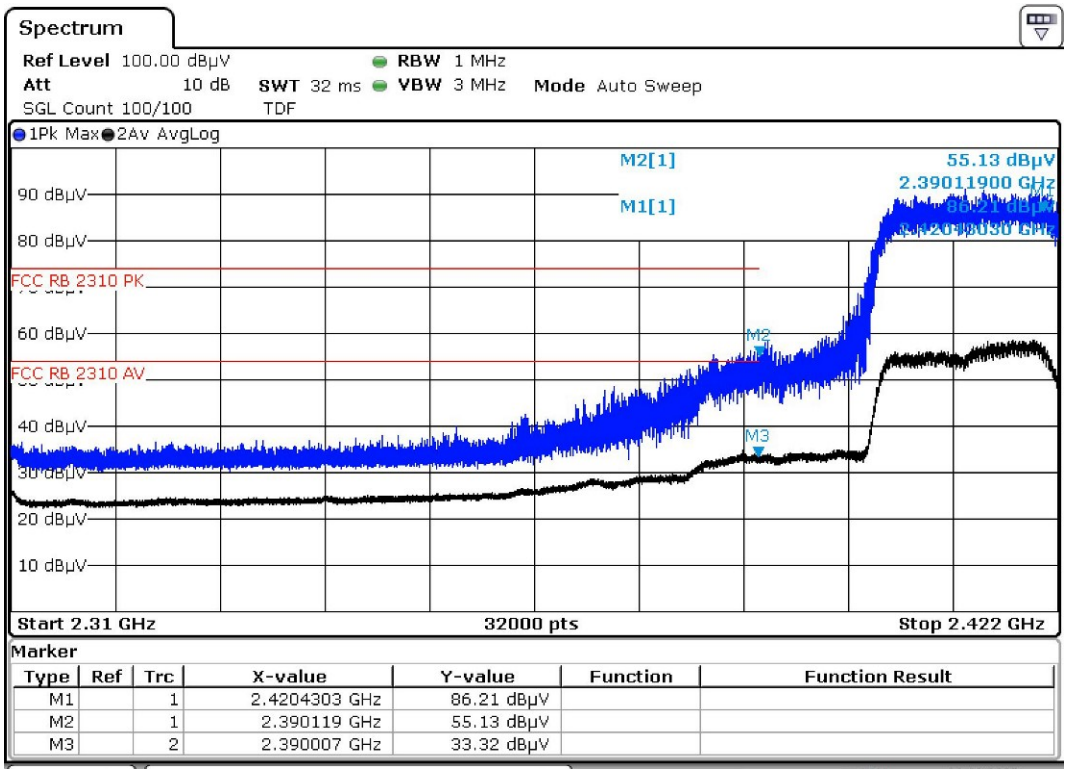


Date: 8.NOV.2023 19:18:10

Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



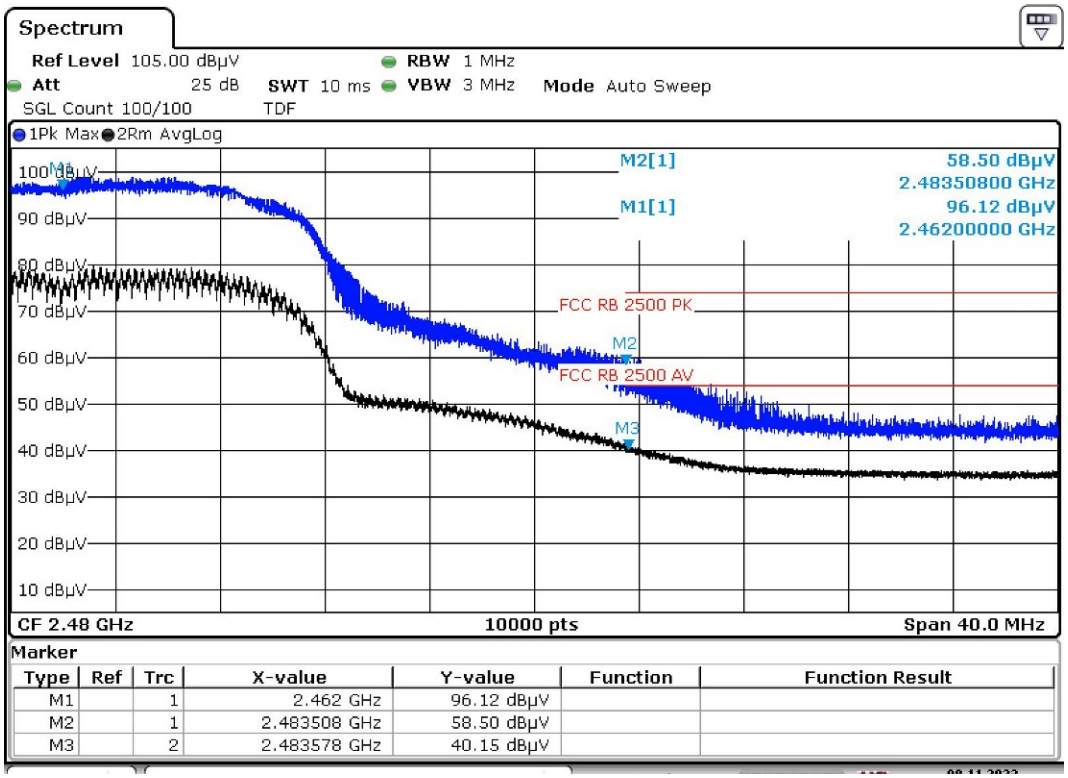
Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Model	EMK401
Operation Mode (worst case)	Mode 1 @2452 MHz, IEEE 802.11 n40
Test voltage	5Vdc

Results

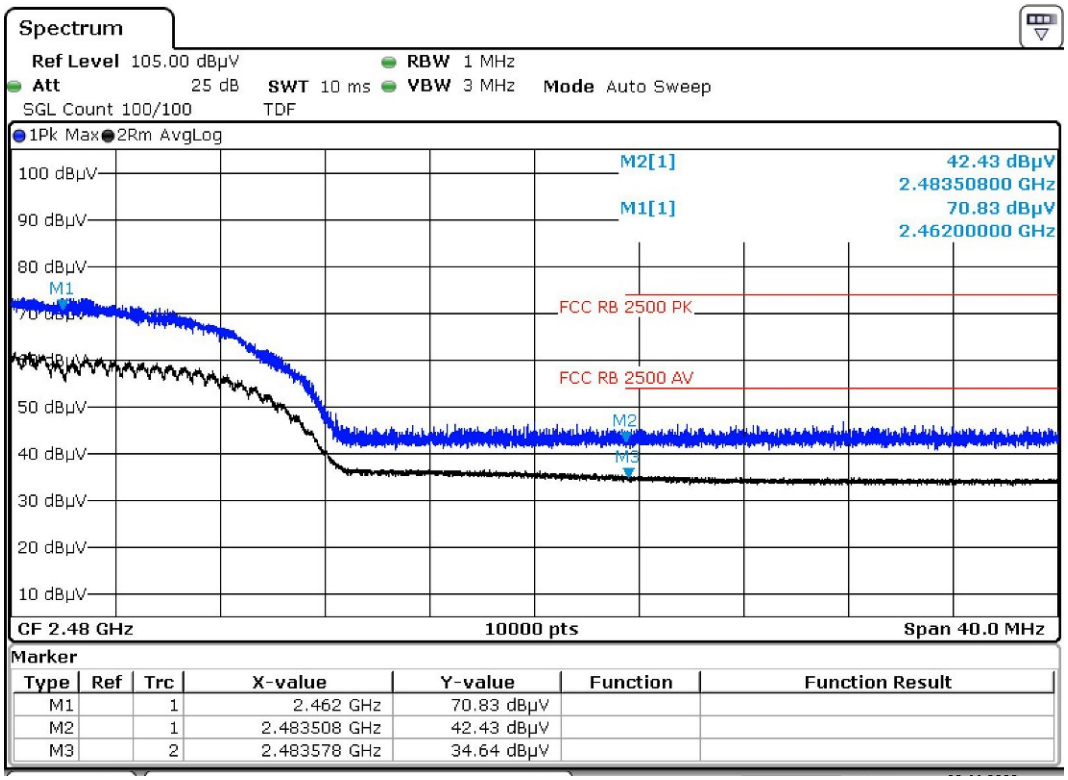
Horizontal



Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

Vertical



Remarks: Y-Value = received value + Correction Factor (Antenna factor + Cable loss - Preamp gain)

No other significant emissions were measured at the frequency range of interest employing the PK and AV detectors.

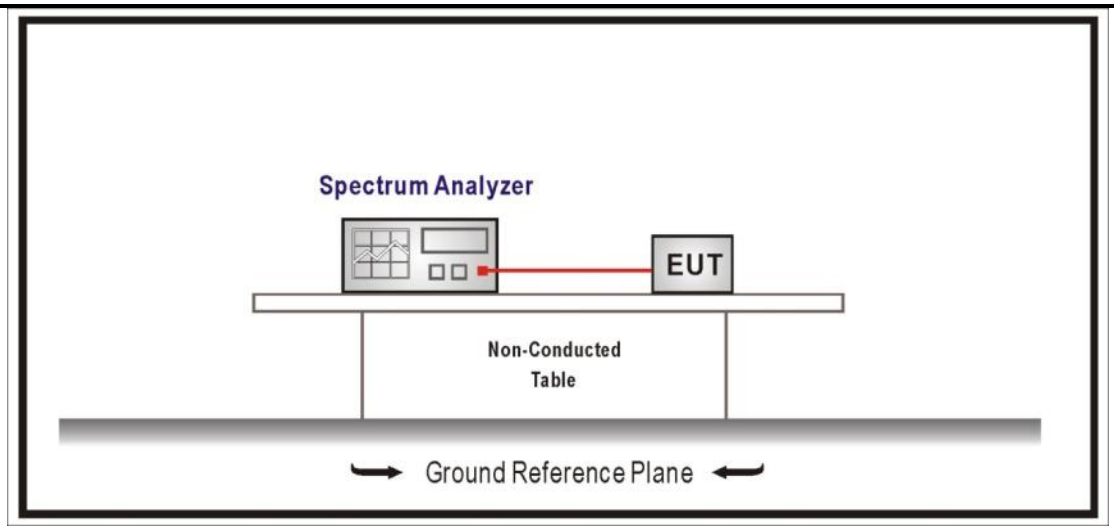
4.4 Band Edge — VERDICT: PASS

Standard	FCC Part 15 Subpart C Paragraph 15.247(d)
RF Output power (Detection methods)	Limit(dB)
RF Output power(Average detector)	30dBc(Note1)
RF Output power(PK detector)	20dBc(Note2)

Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at by LEast 30 dB relative to the maximum in-band peak PSD by LEvel in 100 kHz (i.e., 30 dBc).

Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at by least 20 dB relative to the maximum in-band peak PSD by level in 100 kHz (i.e., 20 dBc).

Test Configuration

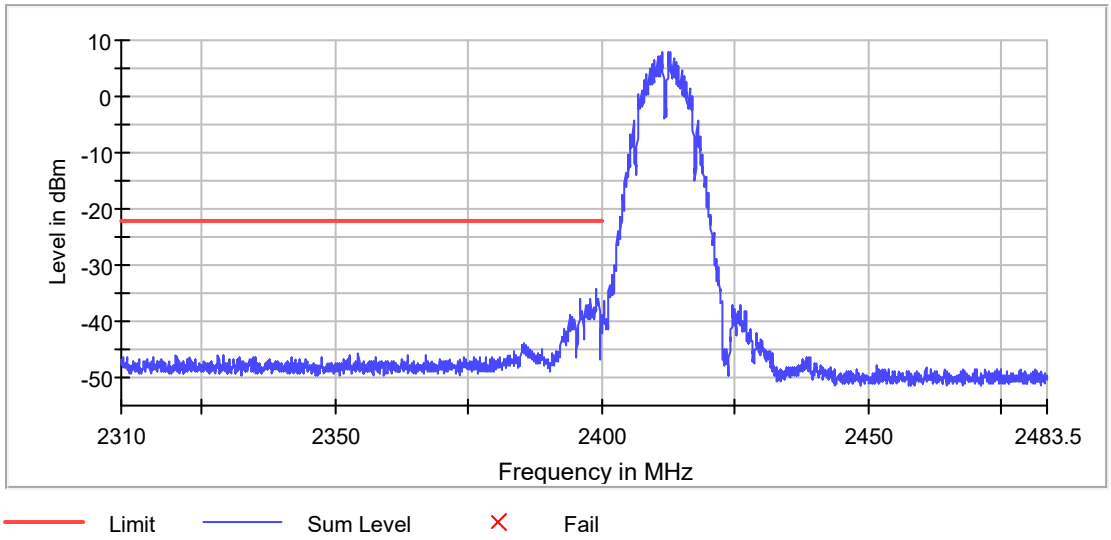


Performed measurements

Port under test	Antenna port	
Test method applied	☒	Conducted measurement
	☐	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	---	

IEEE 802.11 b
Results @2412 MHz

Band Edge



Inband Peak

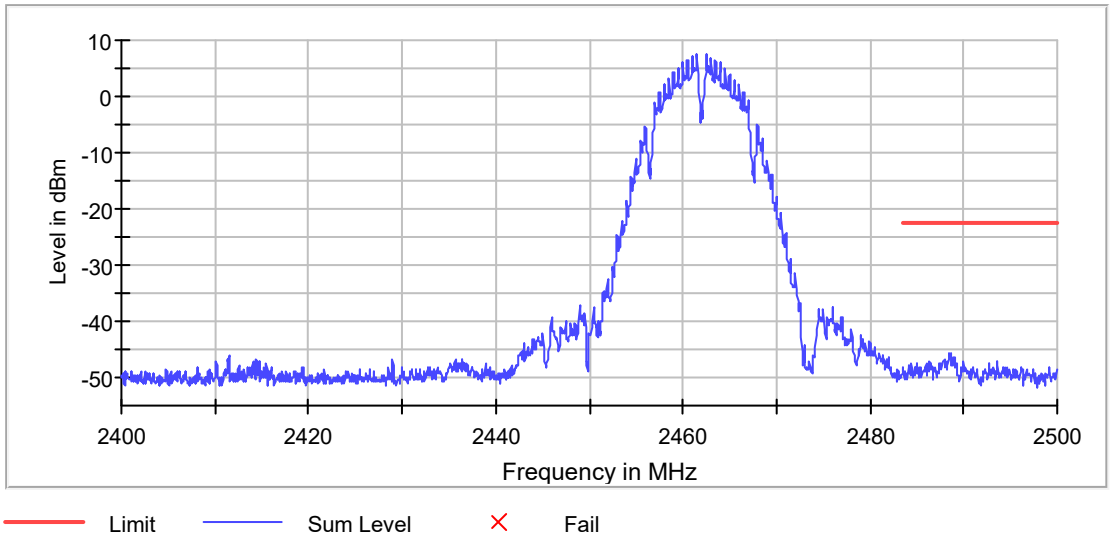
Frequency (MHz)	Level (dBm)
2412.0000	8.0

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.025000	-34.2	12.2	-22.0	PASS
2398.975000	-34.7	12.6	-22.0	PASS
2398.925000	-35.9	13.8	-22.0	PASS
2395.975000	-36.0	14.0	-22.0	PASS
2397.975000	-36.2	14.2	-22.0	PASS
2399.475000	-36.2	14.2	-22.0	PASS
2398.025000	-36.4	14.4	-22.0	PASS
2399.525000	-36.5	14.4	-22.0	PASS
2399.075000	-36.5	14.5	-22.0	PASS
2399.225000	-36.6	14.5	-22.0	PASS
2399.275000	-36.6	14.6	-22.0	PASS
2399.125000	-36.6	14.6	-22.0	PASS
2396.025000	-36.7	14.7	-22.0	PASS
2399.175000	-36.9	14.8	-22.0	PASS
2396.975000	-37.1	15.0	-22.0	PASS

IEEE 802.11 b
Results @2462 MHz

Band Edge



Inband Peak

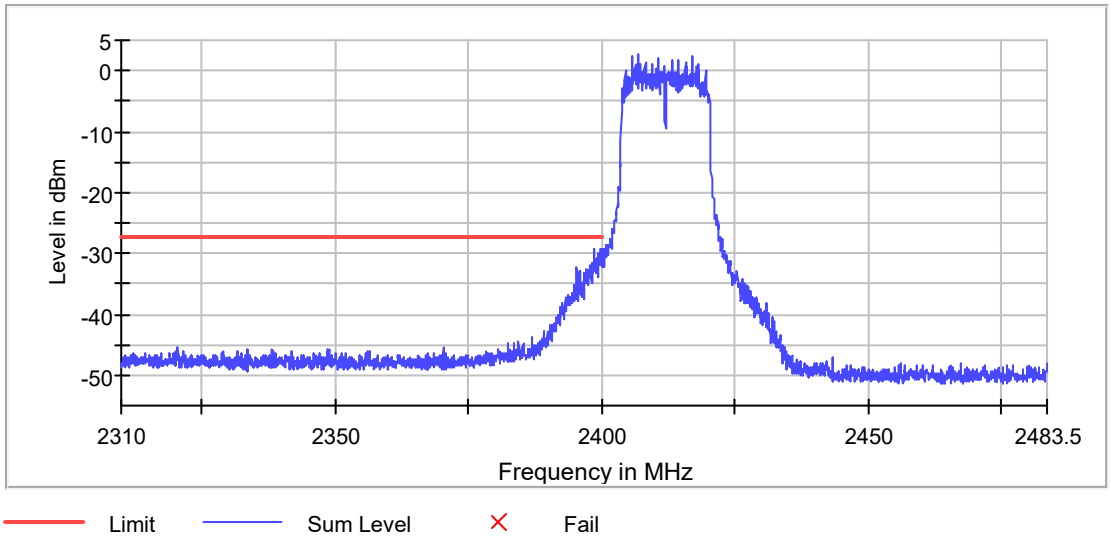
Frequency (MHz)	Level (dBm)
2462.0000	7.6

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2488.625000	-45.7	23.2	-22.4	PASS
2488.475000	-45.9	23.4	-22.4	PASS
2488.575000	-46.0	23.5	-22.4	PASS
2488.525000	-46.1	23.6	-22.4	PASS
2488.975000	-46.3	23.9	-22.4	PASS
2488.925000	-46.5	24.1	-22.4	PASS
2488.375000	-46.7	24.2	-22.4	PASS
2488.425000	-46.9	24.4	-22.4	PASS
2487.925000	-46.9	24.5	-22.4	PASS
2489.025000	-47.0	24.5	-22.4	PASS
2486.325000	-47.0	24.6	-22.4	PASS
2487.775000	-47.0	24.6	-22.4	PASS
2488.825000	-47.0	24.6	-22.4	PASS
2487.875000	-47.1	24.6	-22.4	PASS
2489.975000	-47.1	24.7	-22.4	PASS

IEEE 802.11 g
Results @2412 MHz

Band Edge



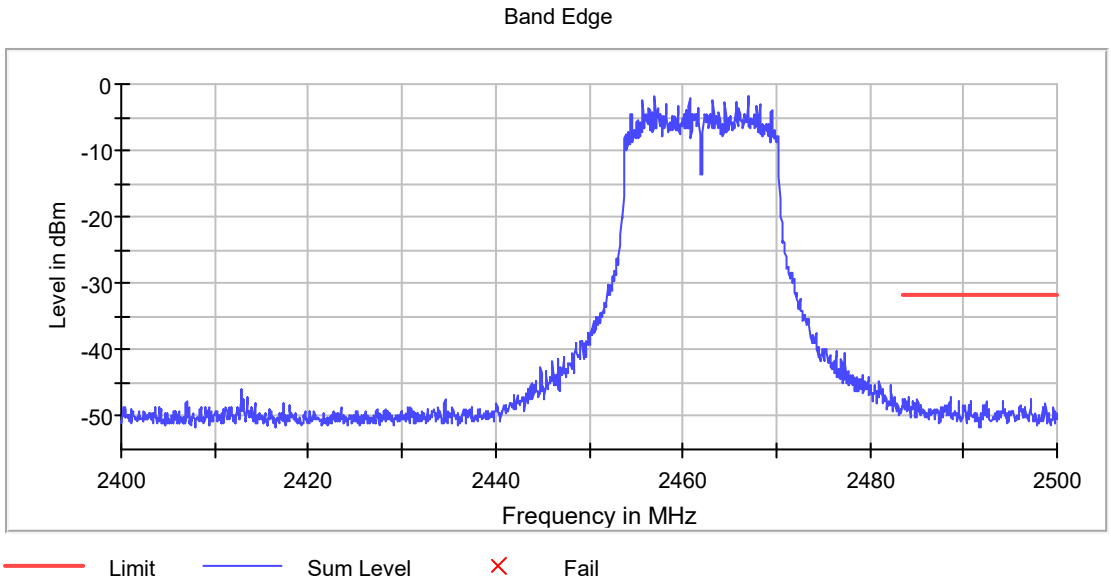
Inband Peak

Frequency (MHz)	Level (dBm)
2412.0000	2.8

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.975000	-29.2	1.9	-27.2	PASS
2399.925000	-29.2	2.0	-27.2	PASS
2398.575000	-29.4	2.2	-27.2	PASS
2398.625000	-29.4	2.2	-27.2	PASS
2398.525000	-29.7	2.5	-27.2	PASS
2399.475000	-29.9	2.7	-27.2	PASS
2399.525000	-30.1	2.9	-27.2	PASS
2399.875000	-30.4	3.2	-27.2	PASS
2399.825000	-30.6	3.4	-27.2	PASS
2399.275000	-30.7	3.5	-27.2	PASS
2399.225000	-30.7	3.5	-27.2	PASS
2399.775000	-30.8	3.6	-27.2	PASS
2399.125000	-30.8	3.6	-27.2	PASS
2399.175000	-30.8	3.6	-27.2	PASS
2399.725000	-31.0	3.8	-27.2	PASS

IEEE 802.11 g
Results @2462 MHz



Inband Peak

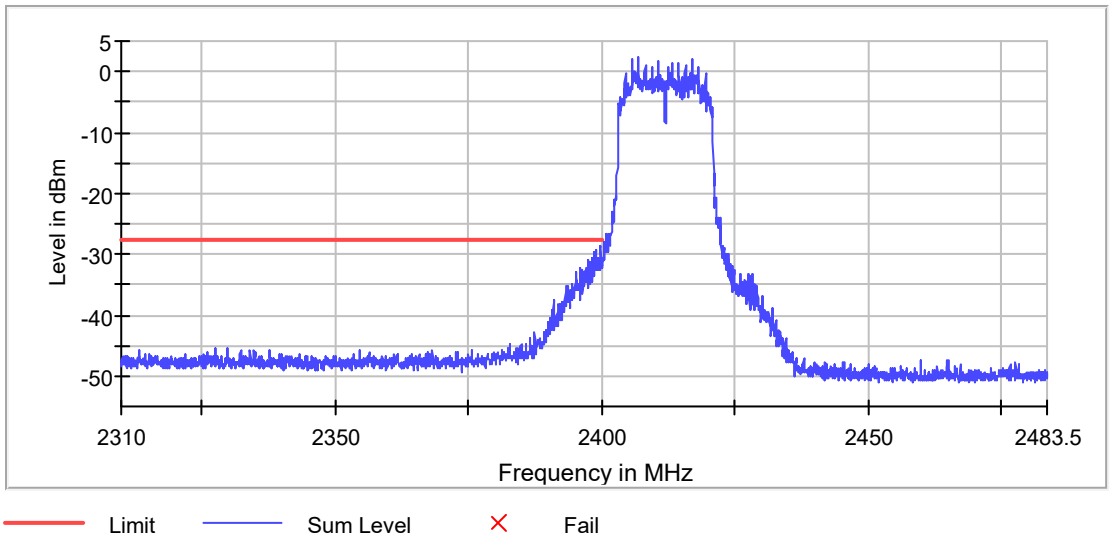
Frequency (MHz)	Level (dBm)
2462.0000	-1.7

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2488.625000	-47.1	15.3	-31.7	PASS
2484.175000	-47.2	15.5	-31.7	PASS
2483.725000	-47.3	15.6	-31.7	PASS
2483.675000	-47.3	15.6	-31.7	PASS
2483.525000	-47.4	15.6	-31.7	PASS
2497.175000	-47.5	15.7	-31.7	PASS
2488.675000	-47.5	15.8	-31.7	PASS
2485.075000	-47.5	15.8	-31.7	PASS
2485.025000	-47.6	15.8	-31.7	PASS
2497.225000	-47.6	15.9	-31.7	PASS
2483.575000	-47.7	15.9	-31.7	PASS
2494.225000	-47.7	16.0	-31.7	PASS
2490.775000	-47.7	16.0	-31.7	PASS
2488.575000	-47.8	16.1	-31.7	PASS
2484.625000	-47.8	16.1	-31.7	PASS

IEEE 802.11 n20
Results @2412 MHz

Band Edge



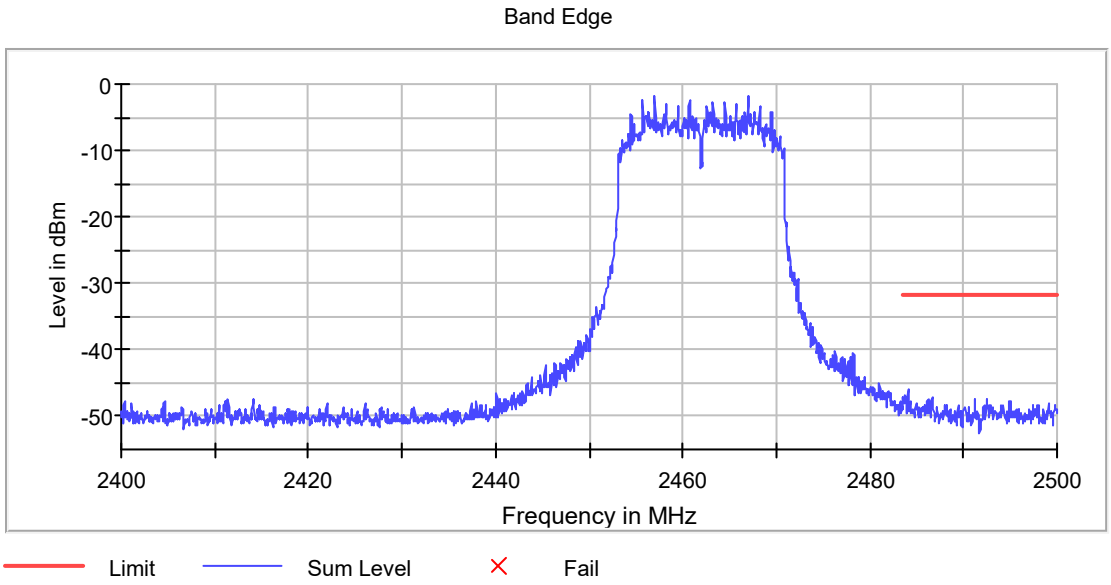
Inband Peak

Frequency (MHz)	Level (dBm)
2412.0000	2.5

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.775000	-28.5	1.0	-27.5	PASS
2399.875000	-28.8	1.2	-27.5	PASS
2399.825000	-28.9	1.3	-27.5	PASS
2399.925000	-28.9	1.4	-27.5	PASS
2398.875000	-29.1	1.6	-27.5	PASS
2399.725000	-29.4	1.9	-27.5	PASS
2398.825000	-29.6	2.0	-27.5	PASS
2398.575000	-29.6	2.1	-27.5	PASS
2398.925000	-29.8	2.2	-27.5	PASS
2398.525000	-29.9	2.3	-27.5	PASS
2398.625000	-30.1	2.6	-27.5	PASS
2399.125000	-30.5	2.9	-27.5	PASS
2399.475000	-30.6	3.1	-27.5	PASS
2399.175000	-30.6	3.1	-27.5	PASS
2398.225000	-30.6	3.1	-27.5	PASS

IEEE 802.11 n20
Results @2462 MHz



Inband Peak

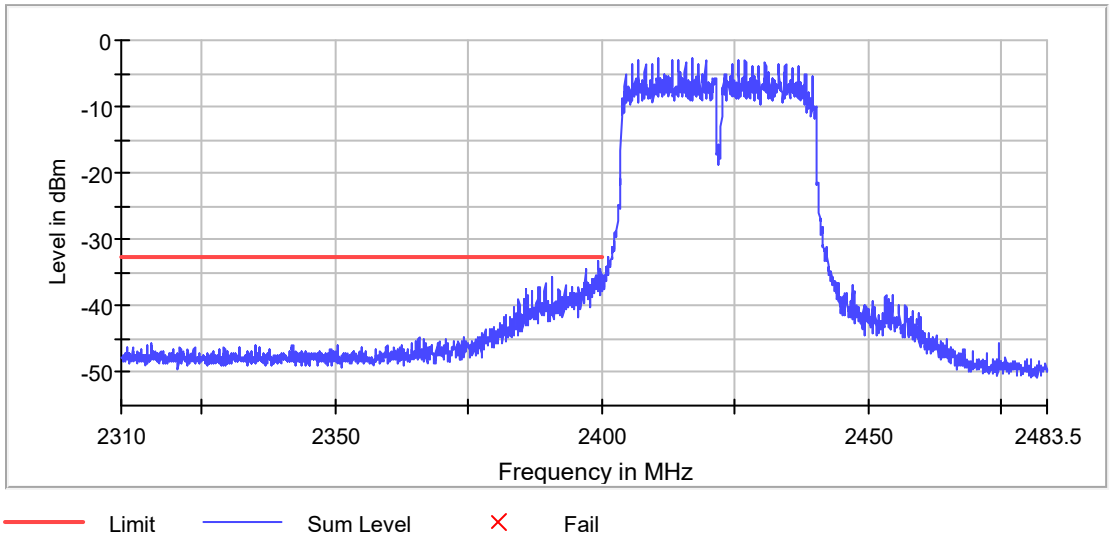
Frequency (MHz)	Level (dBm)
2462.0000	-1.4

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2484.075000	-46.0	14.1	-31.9	PASS
2484.125000	-46.2	14.4	-31.9	PASS
2483.825000	-47.0	15.1	-31.9	PASS
2486.625000	-47.1	15.2	-31.9	PASS
2483.525000	-47.1	15.2	-31.9	PASS
2486.225000	-47.3	15.5	-31.9	PASS
2483.725000	-47.3	15.5	-31.9	PASS
2483.875000	-47.3	15.5	-31.9	PASS
2492.475000	-47.4	15.6	-31.9	PASS
2483.775000	-47.5	15.6	-31.9	PASS
2483.575000	-47.5	15.7	-31.9	PASS
2484.025000	-47.5	15.7	-31.9	PASS
2491.225000	-47.5	15.7	-31.9	PASS
2492.525000	-47.6	15.8	-31.9	PASS
2491.175000	-47.7	15.8	-31.9	PASS

IEEE 802.11 n40
Results @2422 MHz

Band Edge



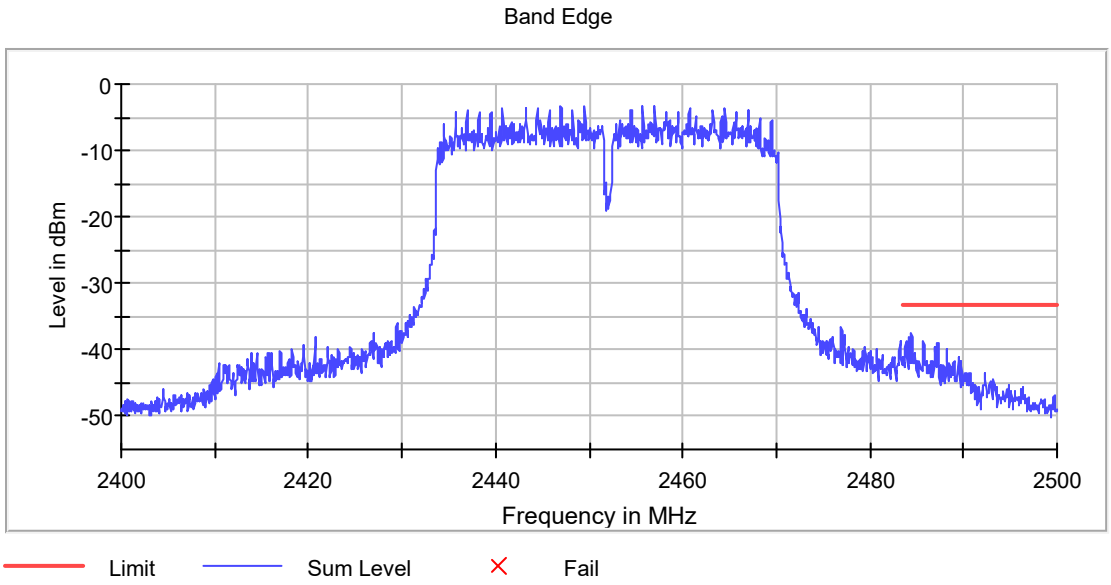
Inband Peak

Frequency (MHz)	Level (dBm)
2422.0000	-2.8

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.475000	-33.3	0.6	-32.8	PASS
2399.525000	-34.2	1.5	-32.8	PASS
2399.425000	-34.4	1.6	-32.8	PASS
2399.875000	-34.5	1.7	-32.8	PASS
2397.025000	-34.5	1.8	-32.8	PASS
2399.825000	-34.7	1.9	-32.8	PASS
2399.925000	-34.7	1.9	-32.8	PASS
2396.975000	-34.7	1.9	-32.8	PASS
2399.775000	-35.2	2.5	-32.8	PASS
2399.975000	-35.4	2.7	-32.8	PASS
2399.575000	-35.5	2.7	-32.8	PASS
2398.825000	-35.5	2.7	-32.8	PASS
2399.175000	-35.5	2.8	-32.8	PASS
2390.725000	-35.8	3.0	-32.8	PASS
2398.275000	-35.8	3.1	-32.8	PASS

IEEE 802.11 n20
Results @2462 MHz



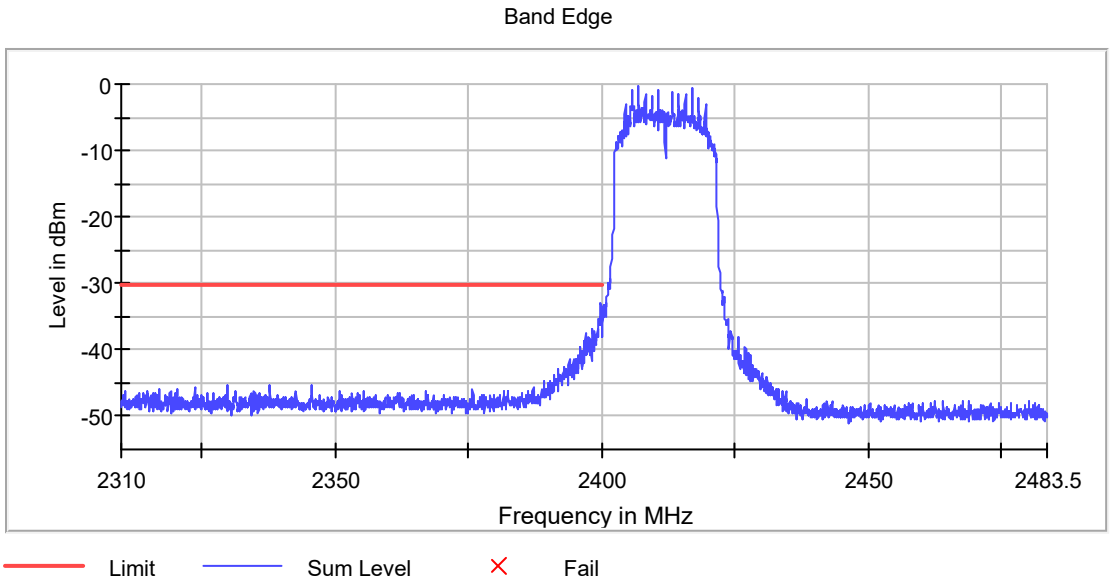
Inband Peak

Frequency (MHz)	Level (dBm)
2452.0000	-3.3

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2484.475000	-37.5	4.2	-33.3	PASS
2484.525000	-37.9	4.7	-33.3	PASS
2484.425000	-38.1	4.8	-33.3	PASS
2484.225000	-38.1	4.9	-33.3	PASS
2484.275000	-38.3	5.0	-33.3	PASS
2485.725000	-38.7	5.4	-33.3	PASS
2483.875000	-38.7	5.4	-33.3	PASS
2485.675000	-38.9	5.7	-33.3	PASS
2483.925000	-39.0	5.7	-33.3	PASS
2487.225000	-39.0	5.8	-33.3	PASS
2487.275000	-39.1	5.8	-33.3	PASS
2485.775000	-39.4	6.2	-33.3	PASS
2484.575000	-39.5	6.2	-33.3	PASS
2484.175000	-39.6	6.3	-33.3	PASS
2483.825000	-39.7	6.4	-33.3	PASS

IEEE 802.11 ax20
Results @2412 MHz



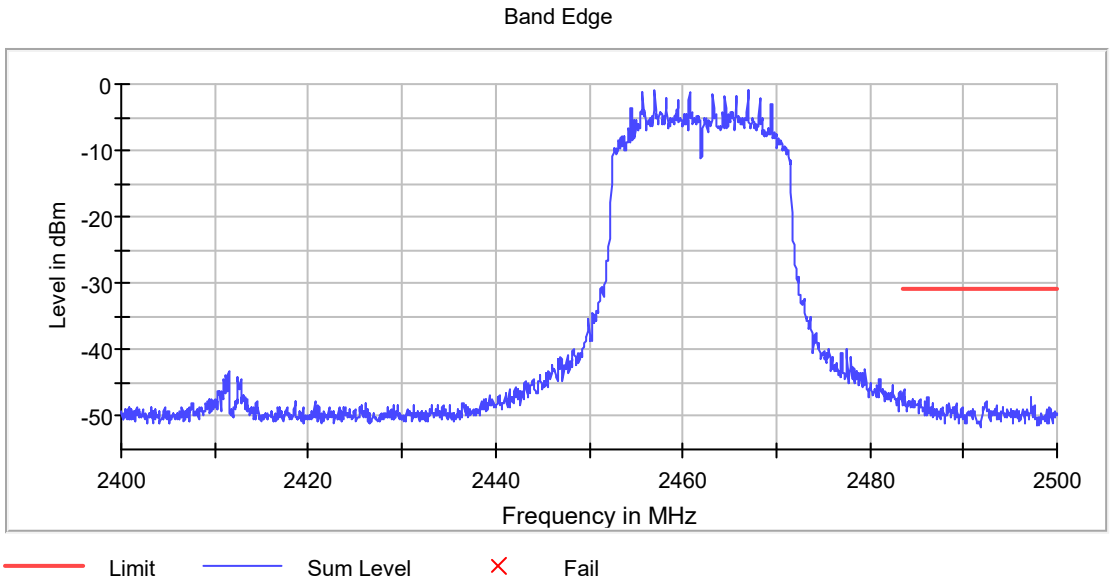
Inband Peak

Frequency (MHz)	Level (dBm)
2412.0000	-0.3

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.925000	-33.1	2.8	-30.3	PASS
2399.975000	-33.4	3.1	-30.3	PASS
2399.875000	-33.7	3.4	-30.3	PASS
2399.825000	-35.1	4.9	-30.3	PASS
2399.725000	-35.1	4.9	-30.3	PASS
2399.675000	-35.1	4.9	-30.3	PASS
2399.575000	-35.4	5.1	-30.3	PASS
2399.525000	-35.4	5.2	-30.3	PASS
2399.775000	-35.9	5.6	-30.3	PASS
2399.625000	-36.2	5.9	-30.3	PASS
2399.475000	-36.4	6.1	-30.3	PASS
2399.225000	-36.9	6.6	-30.3	PASS
2399.275000	-36.9	6.6	-30.3	PASS
2398.375000	-37.0	6.7	-30.3	PASS
2398.325000	-37.0	6.8	-30.3	PASS

IEEE 802.11 ax20
Results @2462 MHz



Inband Peak

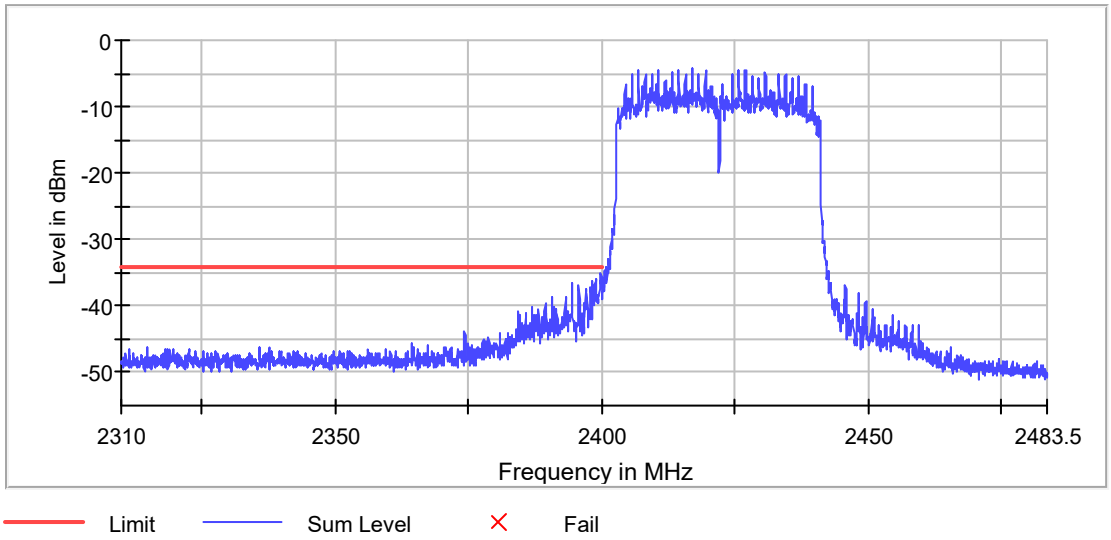
Frequency (MHz)	Level (dBm)
2462.0000	-0.8

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2483.625000	-46.1	15.3	-30.8	PASS
2483.575000	-46.5	15.7	-30.8	PASS
2483.525000	-47.0	16.2	-30.8	PASS
2486.225000	-47.0	16.2	-30.8	PASS
2497.225000	-47.1	16.3	-30.8	PASS
2486.175000	-47.2	16.4	-30.8	PASS
2483.775000	-47.2	16.4	-30.8	PASS
2483.825000	-47.3	16.5	-30.8	PASS
2484.575000	-47.3	16.5	-30.8	PASS
2485.375000	-47.5	16.7	-30.8	PASS
2483.675000	-47.6	16.8	-30.8	PASS
2484.325000	-47.7	16.9	-30.8	PASS
2485.325000	-47.7	16.9	-30.8	PASS
2497.175000	-47.8	17.0	-30.8	PASS
2484.175000	-47.8	17.0	-30.8	PASS

IEEE 802.11 ax40
Results @2422 MHz

Band Edge



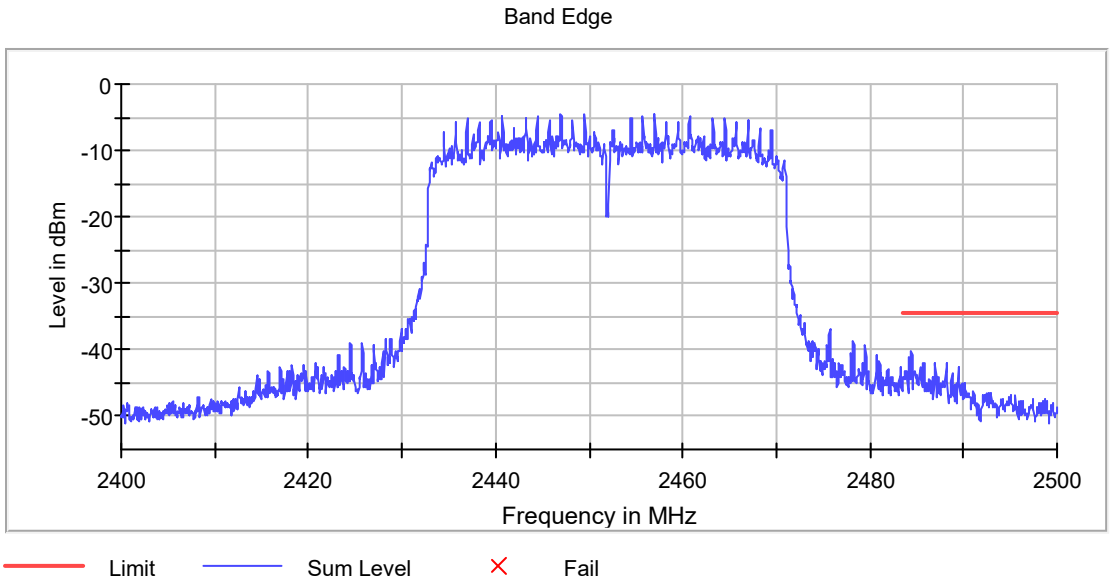
Inband Peak

Frequency (MHz)	Level (dBm)
2422.0000	-4.2

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.875000	-34.9	0.7	-34.2	PASS
2399.925000	-35.0	0.8	-34.2	PASS
2399.975000	-35.8	1.6	-34.2	PASS
2398.875000	-35.9	1.7	-34.2	PASS
2399.825000	-35.9	1.7	-34.2	PASS
2399.725000	-36.0	1.8	-34.2	PASS
2399.775000	-36.1	1.9	-34.2	PASS
2399.625000	-36.2	2.0	-34.2	PASS
2398.925000	-36.3	2.1	-34.2	PASS
2398.225000	-36.4	2.2	-34.2	PASS
2398.825000	-36.4	2.2	-34.2	PASS
2398.275000	-36.5	2.3	-34.2	PASS
2399.675000	-36.5	2.3	-34.2	PASS
2394.525000	-36.5	2.3	-34.2	PASS
2394.475000	-36.7	2.5	-34.2	PASS

IEEE 802.11 ax20
Results @2462 MHz



Inband Peak

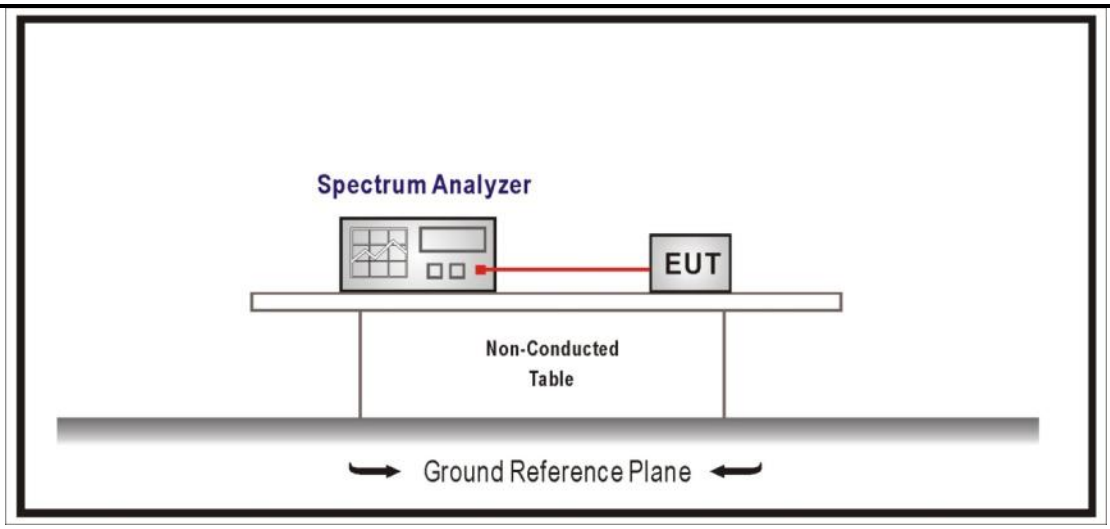
Frequency (MHz)	Level (dBm)
2452.0000	-4.5

Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2484.475000	-40.1	5.6	-34.5	PASS
2484.525000	-40.7	6.2	-34.5	PASS
2484.225000	-41.1	6.6	-34.5	PASS
2484.425000	-41.4	6.9	-34.5	PASS
2484.275000	-41.4	6.9	-34.5	PASS
2488.225000	-41.9	7.4	-34.5	PASS
2485.725000	-41.9	7.4	-34.5	PASS
2486.975000	-41.9	7.5	-34.5	PASS
2488.175000	-42.0	7.5	-34.5	PASS
2485.775000	-42.0	7.5	-34.5	PASS
2488.275000	-42.1	7.6	-34.5	PASS
2487.025000	-42.3	7.9	-34.5	PASS
2485.375000	-42.5	8.0	-34.5	PASS
2486.925000	-42.5	8.0	-34.5	PASS
2485.425000	-42.6	8.1	-34.5	PASS

4.5 Duty cycle	VERDICT: PASS

Test Configuration



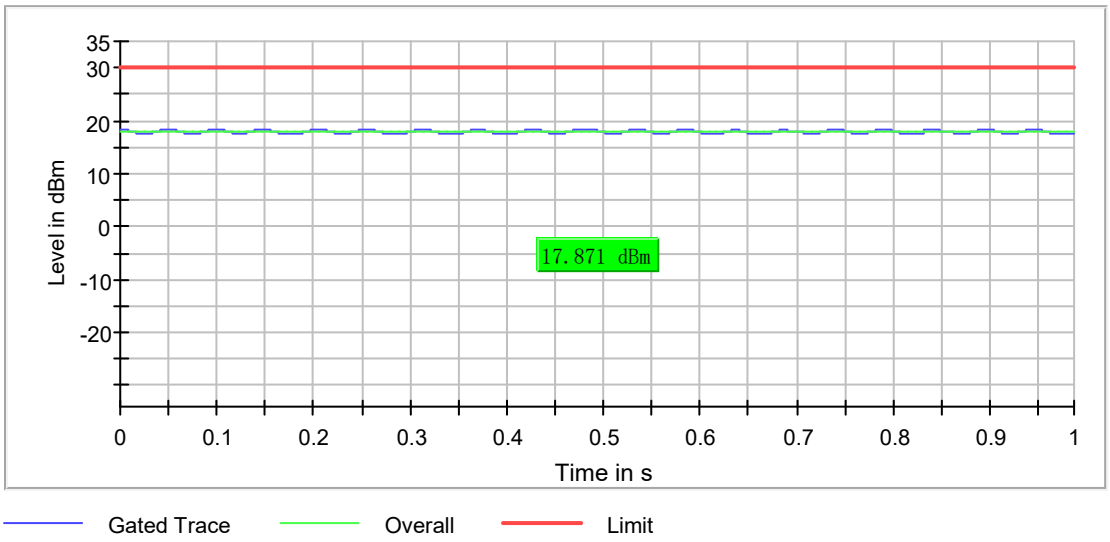
Performed measurements

Port under test	Antenna port	
Test method applied	☒	Conducted measurement
	☐	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	---	

Results

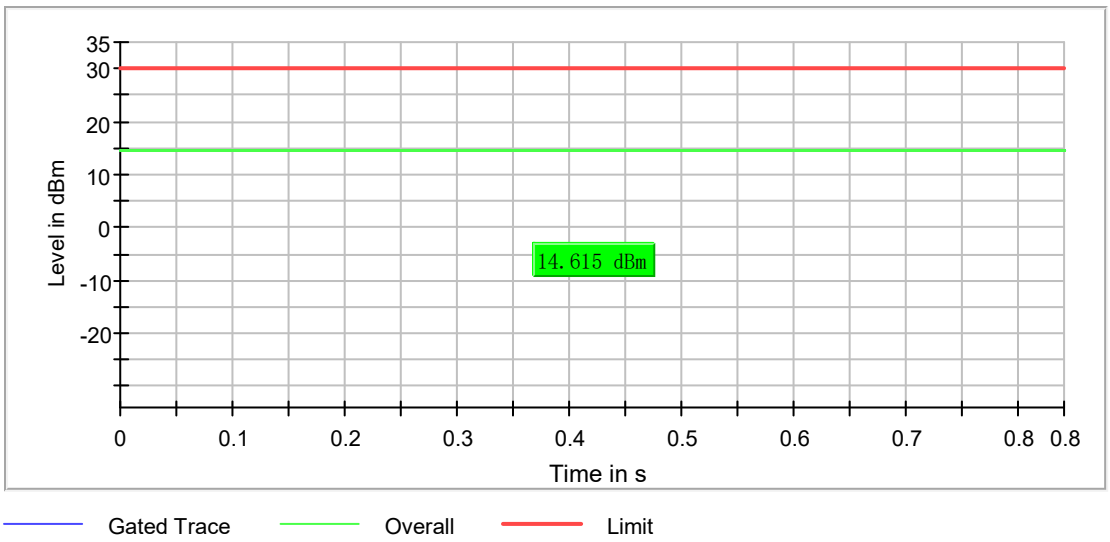
Test Mode	Tx On (ms)	Tx On + Tx Off (ms)	Duty Cycle
IEEE 802.11 b	---	---	99.67%

Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control Level for the tested mode of operation.
Note 2: According to KDB 558074, when test for Radiated Emission Band Edge and Radiated Emission, for average detector set: VBW ≥ 1/T will be used.



Test Mode	Tx On (ms)	Tx On + Tx Off (ms)	Duty Cycle
IEEE 802.11 g	---	---	94.143%

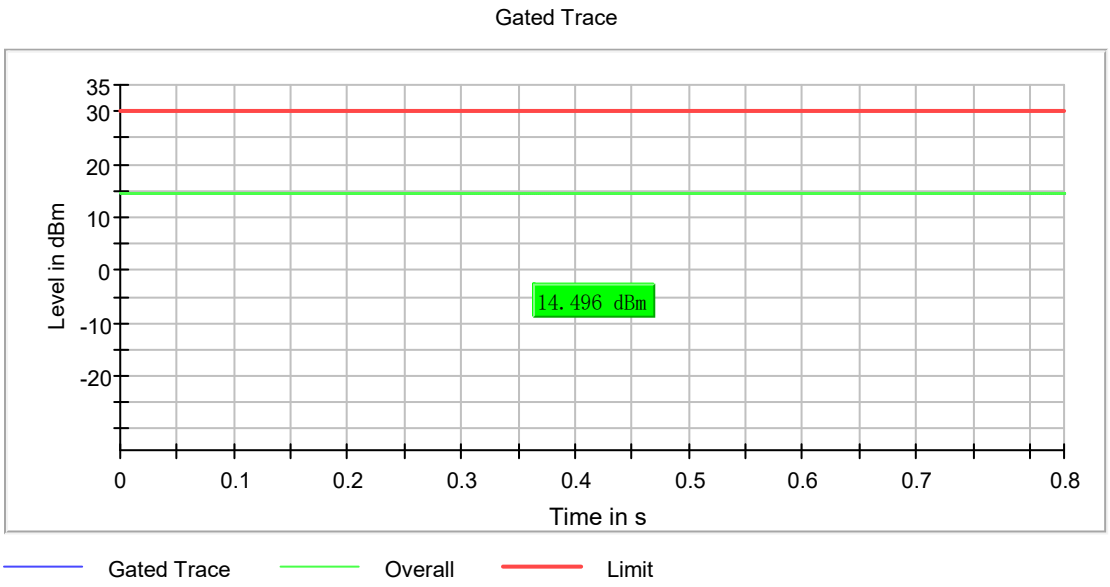
Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control Level for the tested mode of operation.
Note 2: According to KDB 558074, when test for Radiated Emission Band Edge and Radiated Emission, for average detector set: VBW ≥ 1/T will be used.



Test Mode	Tx On (ms)	Tx On + Tx Off (ms)	Duty Cycle
IEEE 802.11 n20	---	---	83.55%

Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control Level for the tested mode of operation.

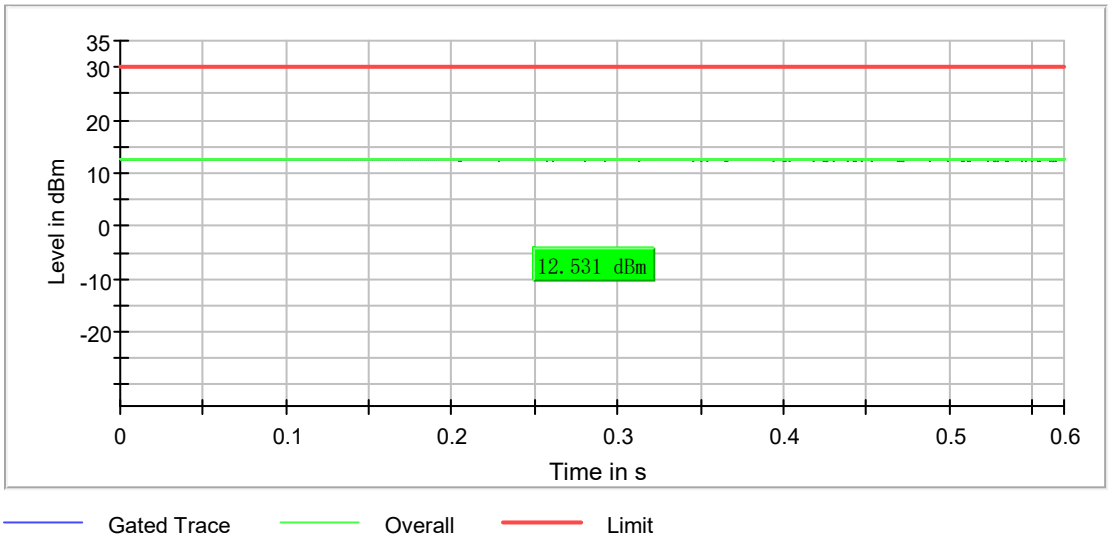
Note 2: According to KDB 558074, when test for Radiated Emission Band Edge and Radiated Emission, for average detector set: VBW ≥ 1/T will be used.



Test Mode	Tx On (ms)	Tx On + Tx Off (ms)	Duty Cycle
IEEE 802.11 n40	---	---	57.52%

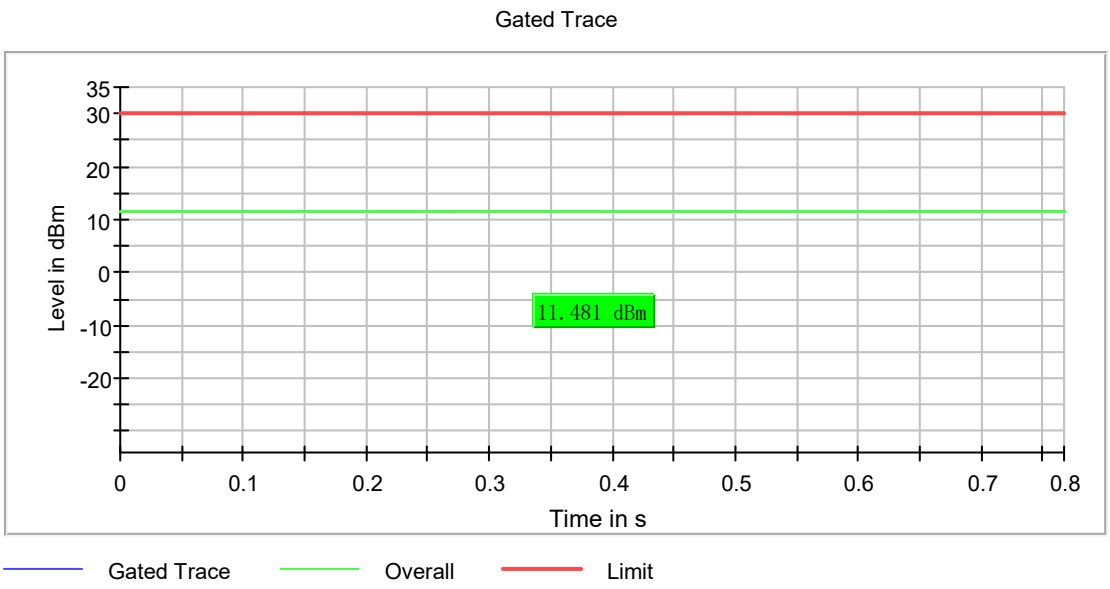
Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control Level for the tested mode of operation.

Note 2: According to KDB 558074, when test for Radiated Emission Band Edge and Radiated Emission, for average detector set: VBW ≥ 1/T will be used.



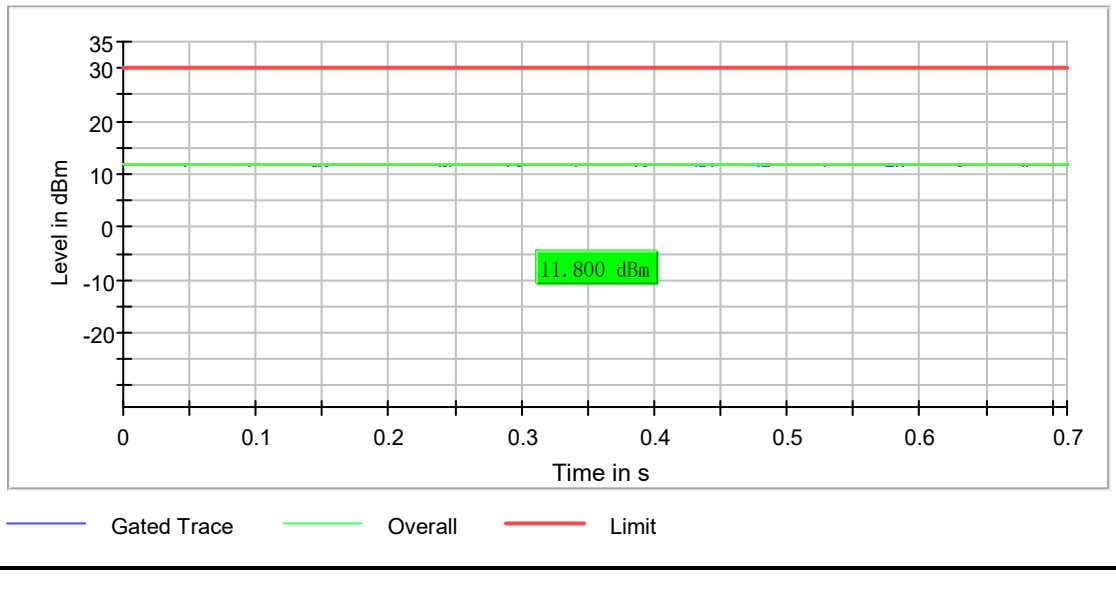
Test Mode	Tx On (ms)	Tx On + Tx Off (ms)	Duty Cycle
IEEE 802.11 ax20	---	---	77.43%

Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control Level for the tested mode of operation.
Note 2: According to KDB 558074, when test for Radiated Emission Band Edge and Radiated Emission, for average detector set: VBW ≥ 1/T will be used.



Test Mode	Tx On (ms)	Tx On + Tx Off (ms)	Duty Cycle
IEEE 802.11 ax40	---	---	72.00%

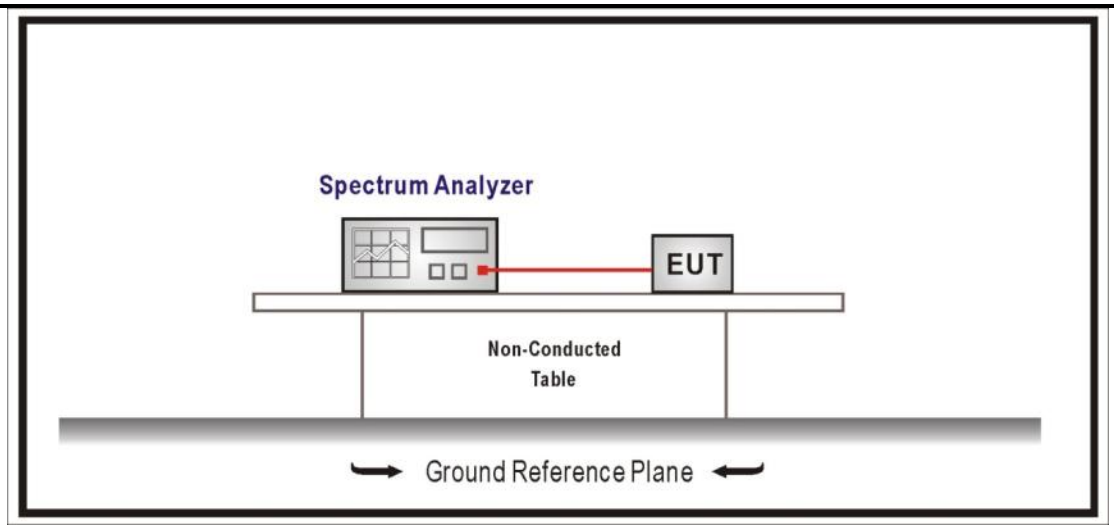
Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control Level for the tested mode of operation.
Note 2: According to KDB 558074, when test for Radiated Emission Band Edge and Radiated Emission, for average detector set: VBW ≥ 1/T will be used.



4.6 DTS Bandwidth	VERDICT: PASS

Standard	FCC Part 15 Subpart C Paragraph 15.247 (a)(2)
Systems using digital modulation techniques operate in the 2400-2483.5 MHz .The minimum 6 dB bandwidth shall be at by least 500 kHz	

Test Configuration



Performed measurements

Port under test	Antenna port	
Test method applied	☒	Conducted measurement
	☐	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	---	

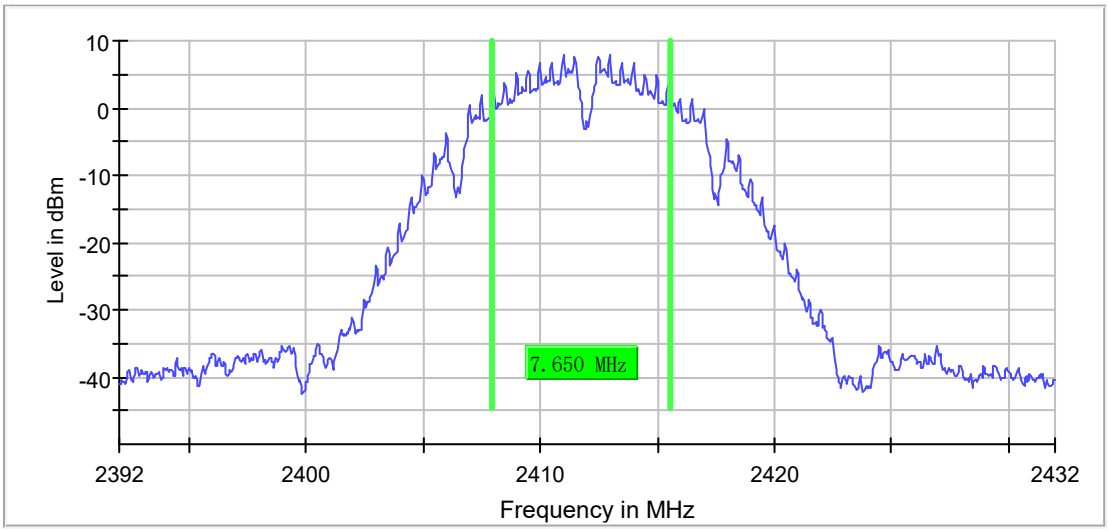
Results

Mode	CH.	Test Freq. (MHz)	6dB Occupied Bandwidth (MHz)	Limit (kHz)	Result
IEEE 802.11 b	0	2412	7.65	>500	Pass
	5	2437	8.20	>500	Pass
	10	2462	9.10	>500	Pass

6dB Occupied Bandwidth

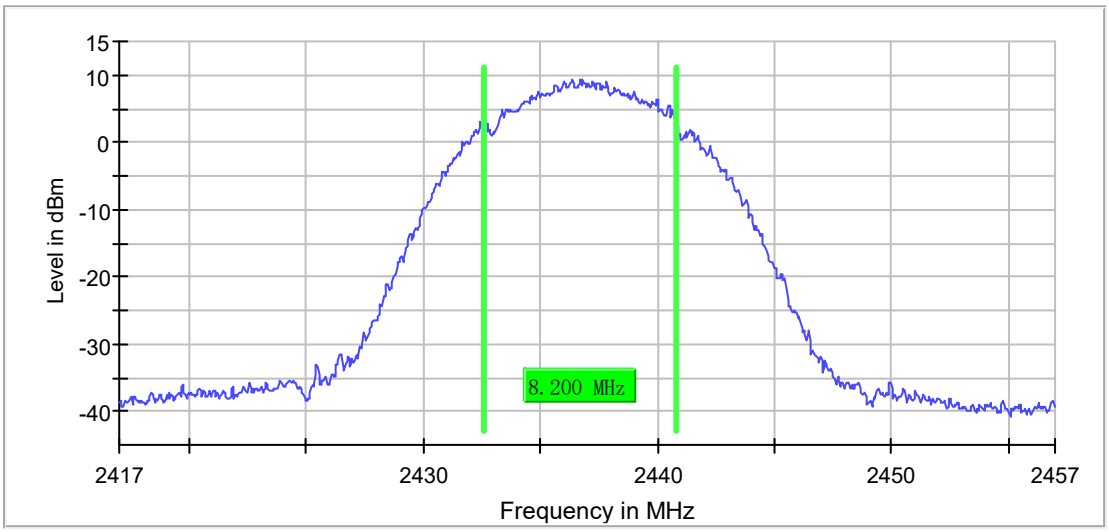
Mode 1 / CH0 (2412MHz)

6 dB Bandwidth



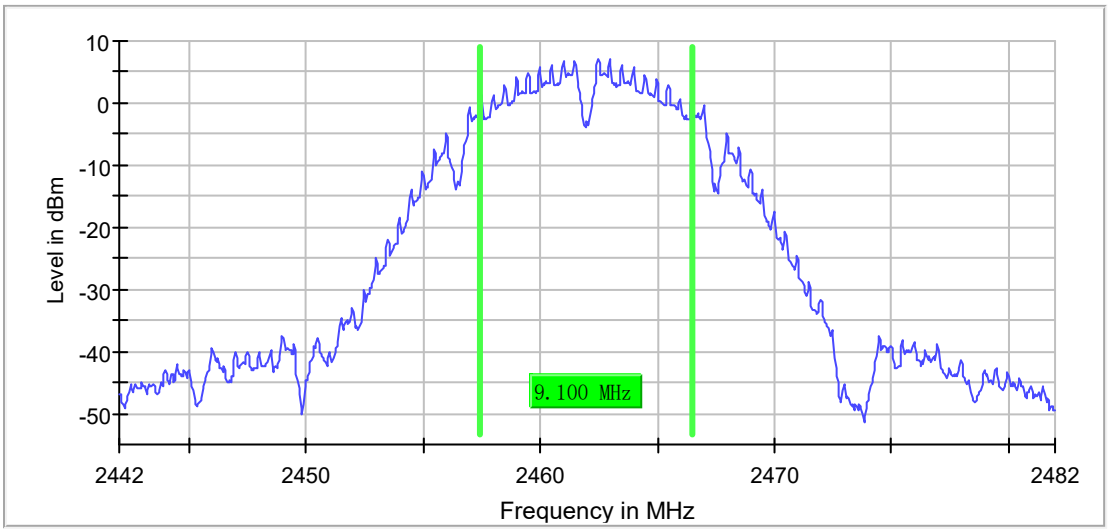
Mode 1 / CH5 (2437MHz)

6 dB Bandwidth



Mode 1 / CH10 (2462MHz)

6 dB Bandwidth

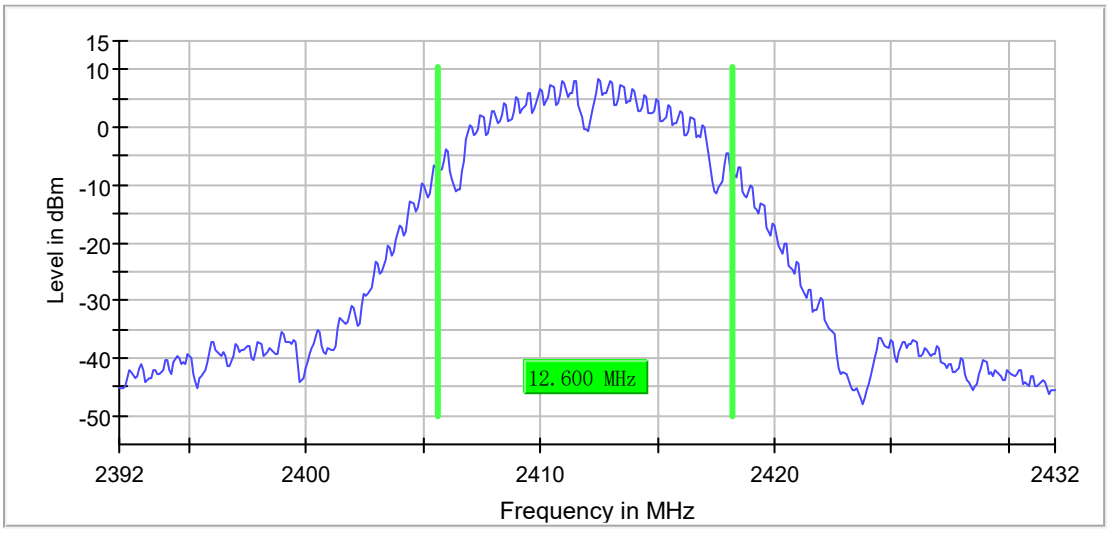


Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (MHz)	Limit	Result
IEEE 802.11 b	0	2412	12.6	Within frequency range	Pass
	5	2437	12.2	Within frequency range	Pass
	10	2462	12.7	Within frequency range	Pass

99% Occupied Bandwidth

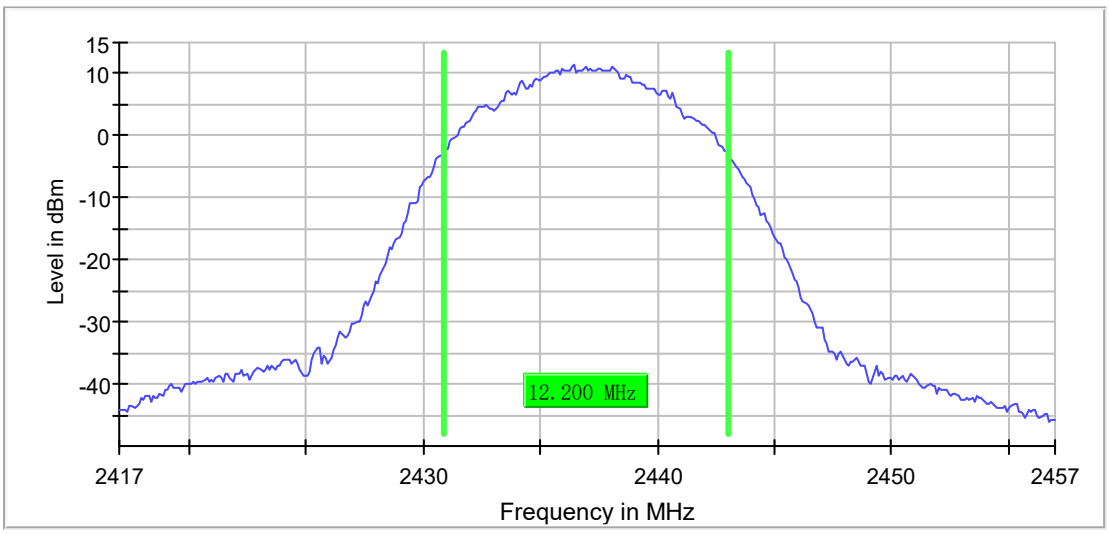
Mode 1 / CH0 (2412 MHz)

99 % Bandwidth

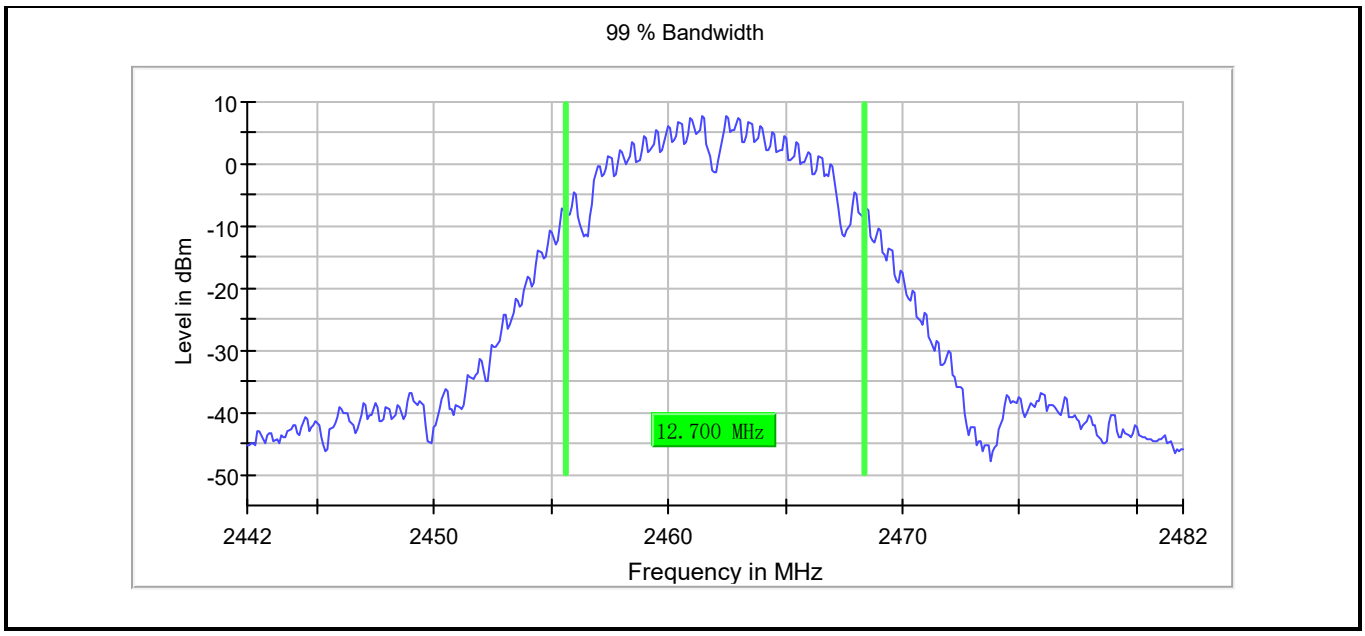


Mode 1 / CH5 (2437MHz)

99 % Bandwidth



Mode 1 / CH10 (2462 MHz)


99 % Bandwidth
10
0
-10
-20
-30
-40
-50
Level in dBm
12.700 MHz
2442
2450
2460
2470
2482
Frequency in MHz

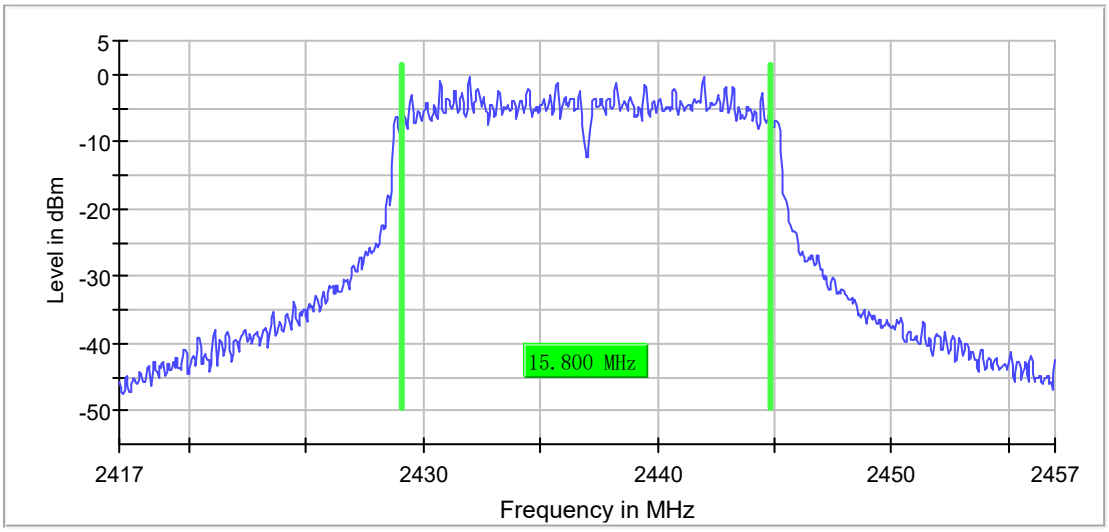
Results

Mode	CH.	Test Freq. (MHz)	6dB Occupied Bandwidth (MHz)	Limit (kHz)	Result
IEEE 802.11 g	0	2412	15.80	>500	Pass
	5	2437	16.50	>500	Pass
	10	2462	15.80	>500	Pass

6dB Occupied Bandwidth

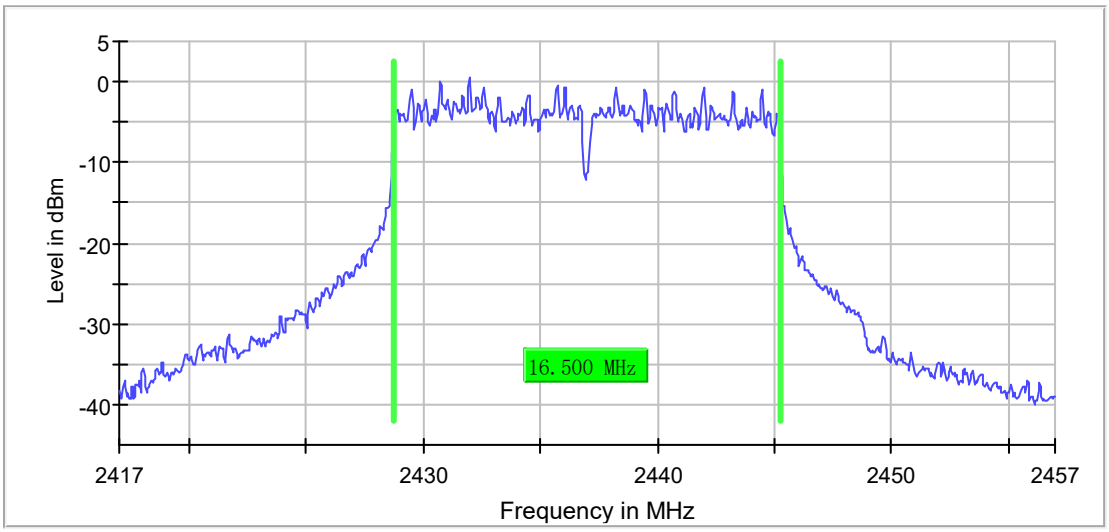
Mode 1 / CH0 (2412MHz)

6 dB Bandwidth



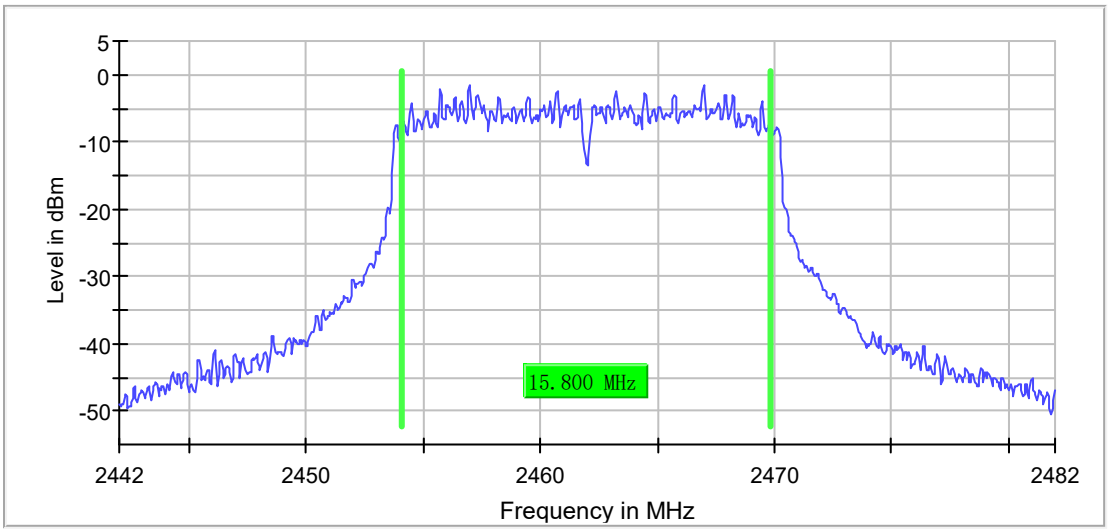
Mode 1 / CH5 (2437MHz)

6 dB Bandwidth



Mode 1 / CH10 (2462MHz)

6 dB Bandwidth

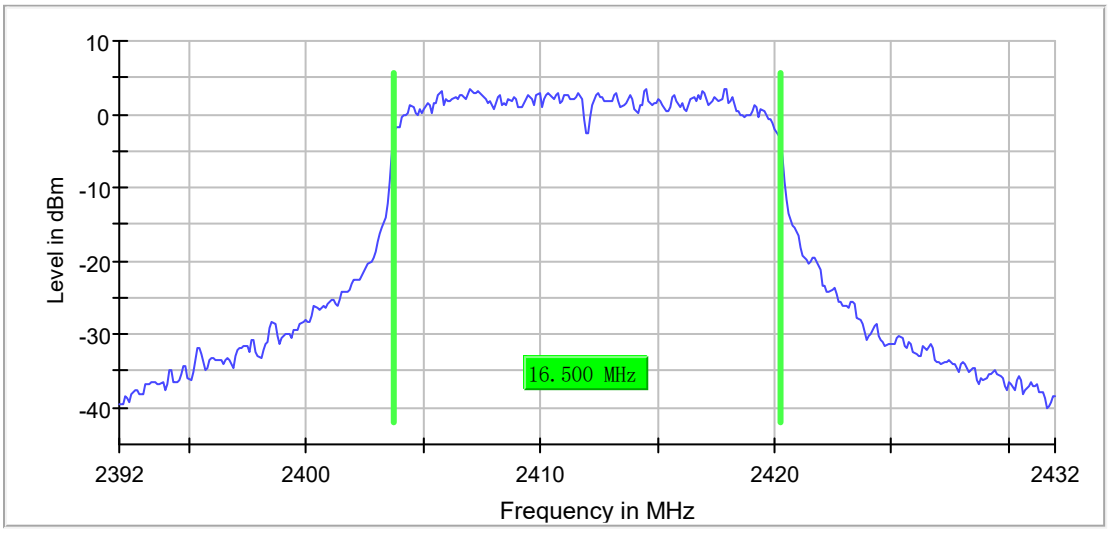


Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (MHz)	Limit	Result
IEEE 802.11 g	0	2412	16.5	Within frequency range	Pass
	5	2437	16.9	Within frequency range	Pass
	10	2462	16.4	Within frequency range	Pass

99% Occupied Bandwidth

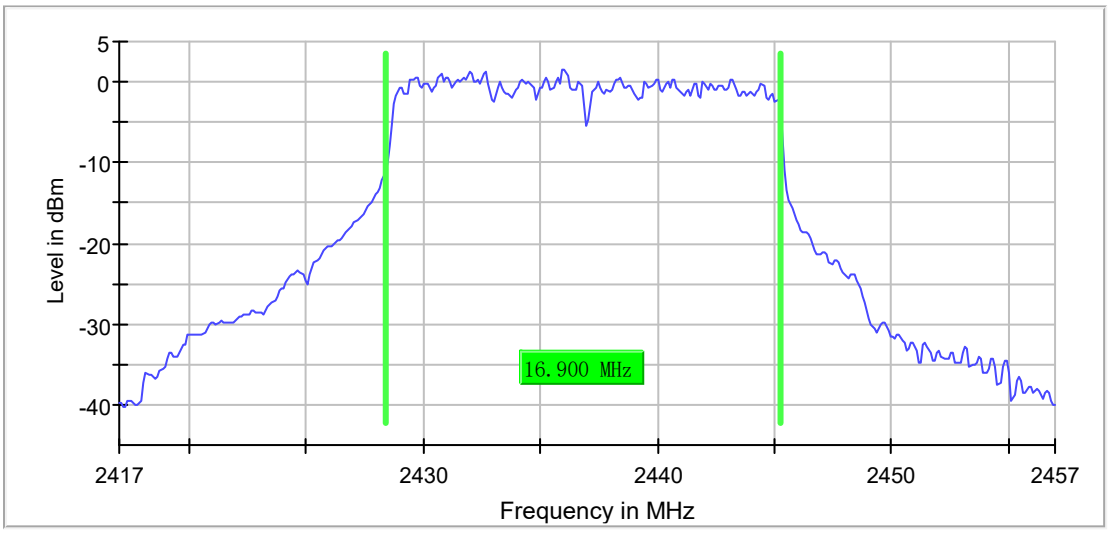
Mode 1 / CH0 (2412 MHz)

99 % Bandwidth



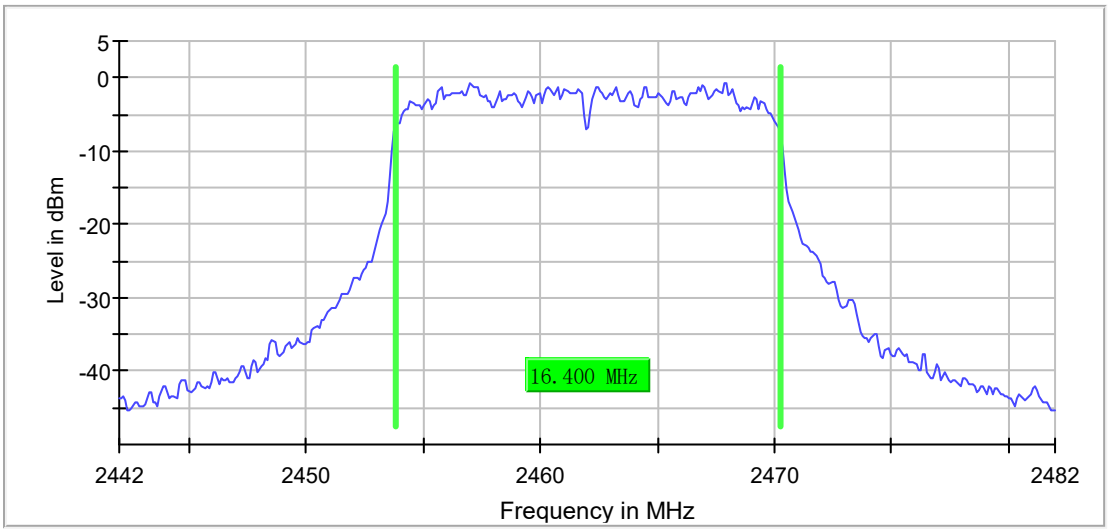
Mode 1 / CH5 (2437 MHz)

99 % Bandwidth



Mode 1 / CH10 (2462 MHz)

99 % Bandwidth



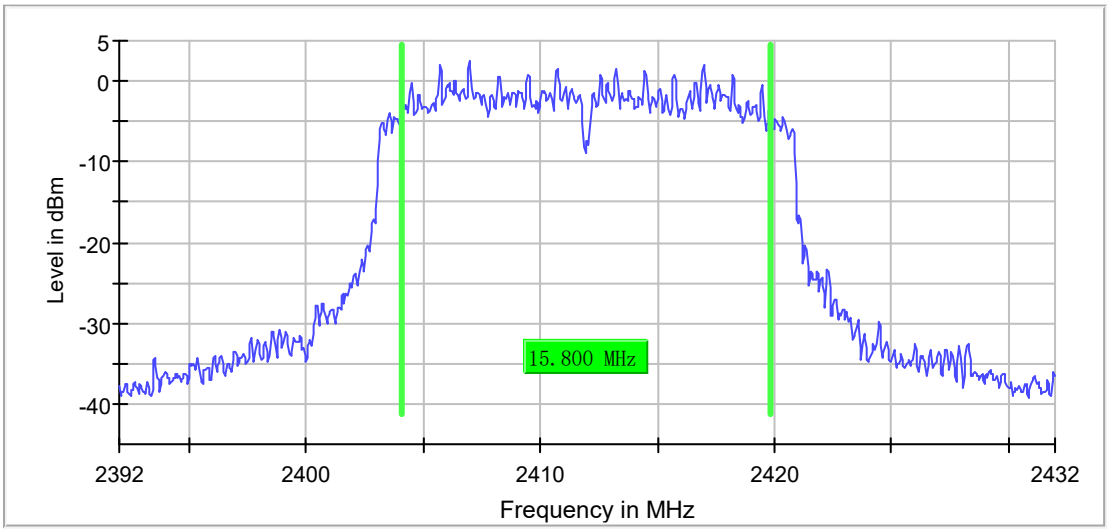
Results

Mode	CH.	Test Freq. (MHz)	6dB Occupied Bandwidth (MHz)	Limit (kHz)	Result
IEEE 802.11 n20	0	2412	15.80	>500	Pass
	5	2437	17.80	>500	Pass
	10	2462	15.80	>500	Pass

6dB Occupied Bandwidth

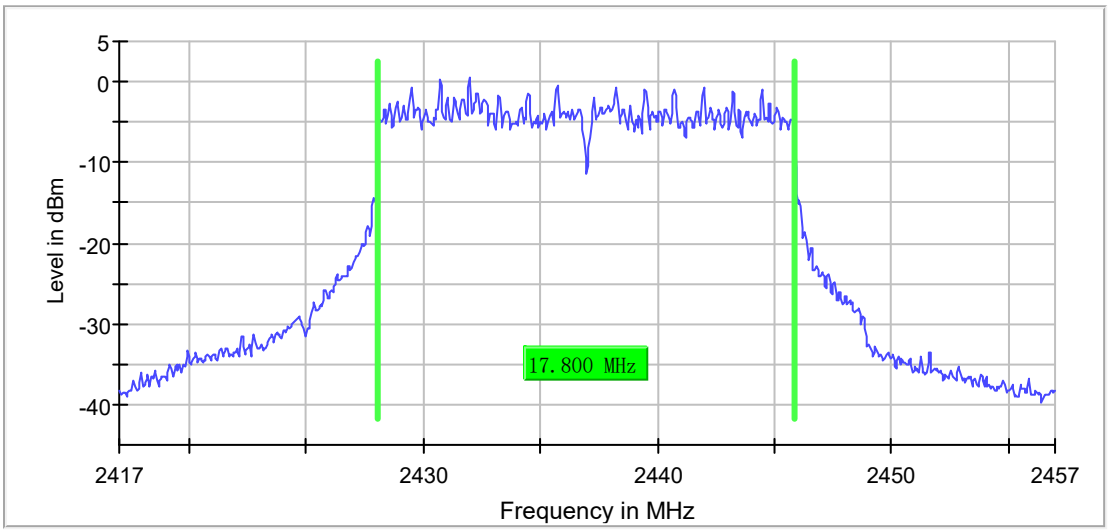
Mode 1 / CH0 (2412MHz)

6 dB Bandwidth



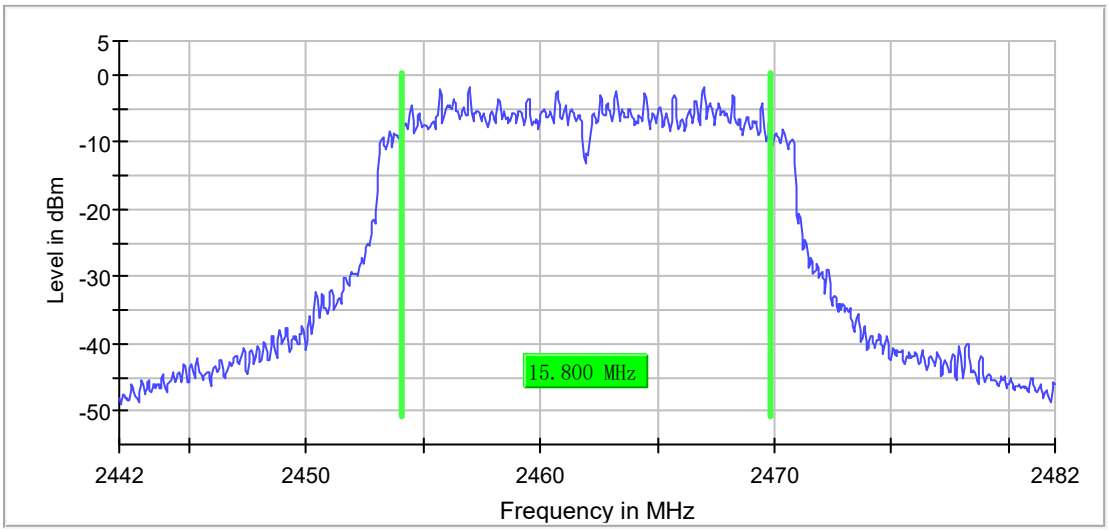
Mode 1 / CH5 (2437MHz)

6 dB Bandwidth



Mode 1 / CH10 (2462MHz)

6 dB Bandwidth

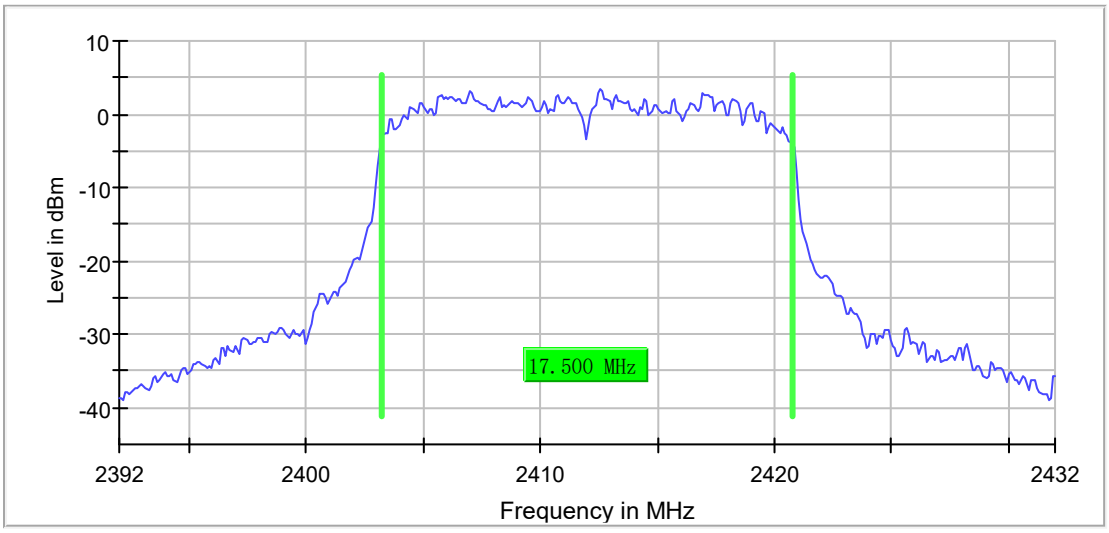


Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (MHz)	Limit	Result
IEEE 802.11 n20	0	2412	17.5	Within frequency range	Pass
	37	2437	17.9	Within frequency range	Pass
	10	2462	17.5	Within frequency range	Pass

99% Occupied Bandwidth

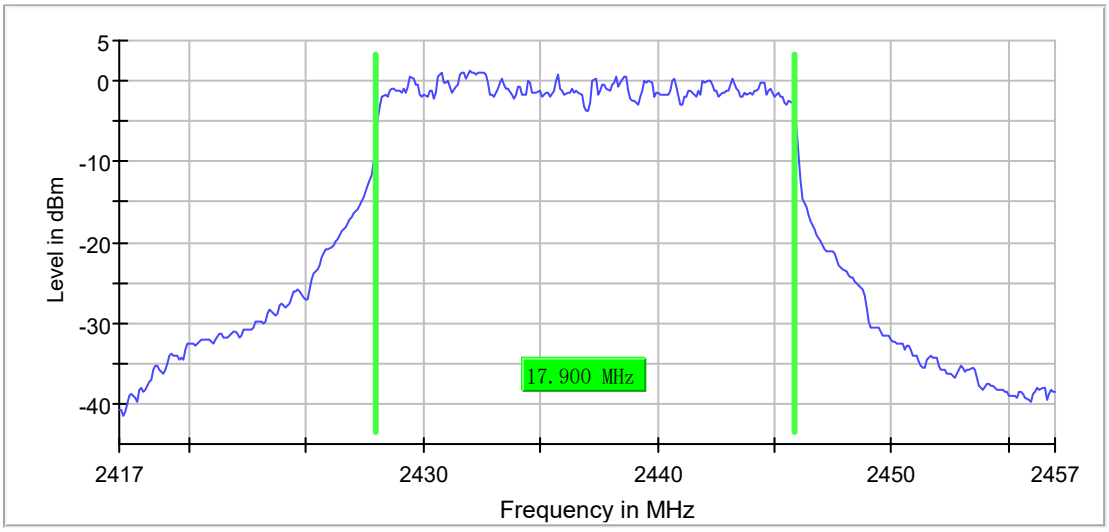
Mode 1 / CH0 (2412 MHz)

99 % Bandwidth



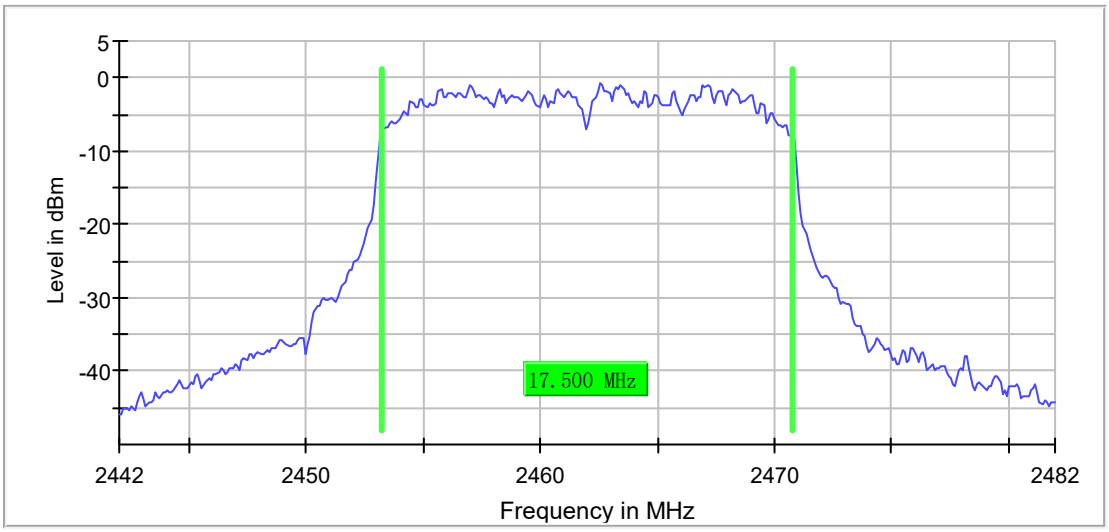
Mode 1 / CH5 (2437 MHz)

99 % Bandwidth



Mode 1 / CH10 (2462 MHz)

99 % Bandwidth



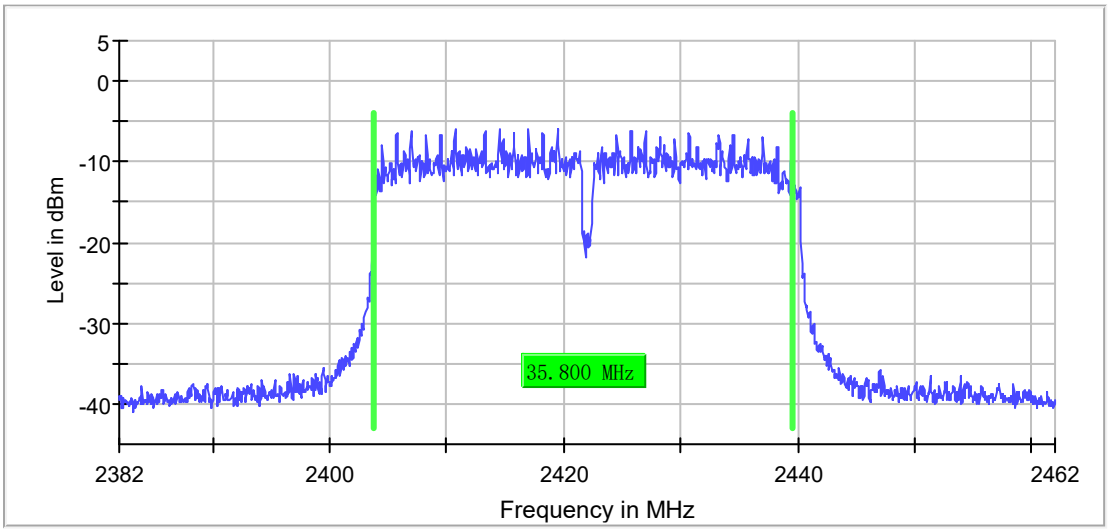
Results

Mode	CH.	Test Freq. (MHz)	6dB Occupied Bandwidth (MHz)	Limit (kHz)	Result
IEEE 802.11 n40	2	2422	35.80	>500	Pass
	5	2437	16.15	>500	Pass
	8	2452	35.55	>500	Pass

6dB Occupied Bandwidth

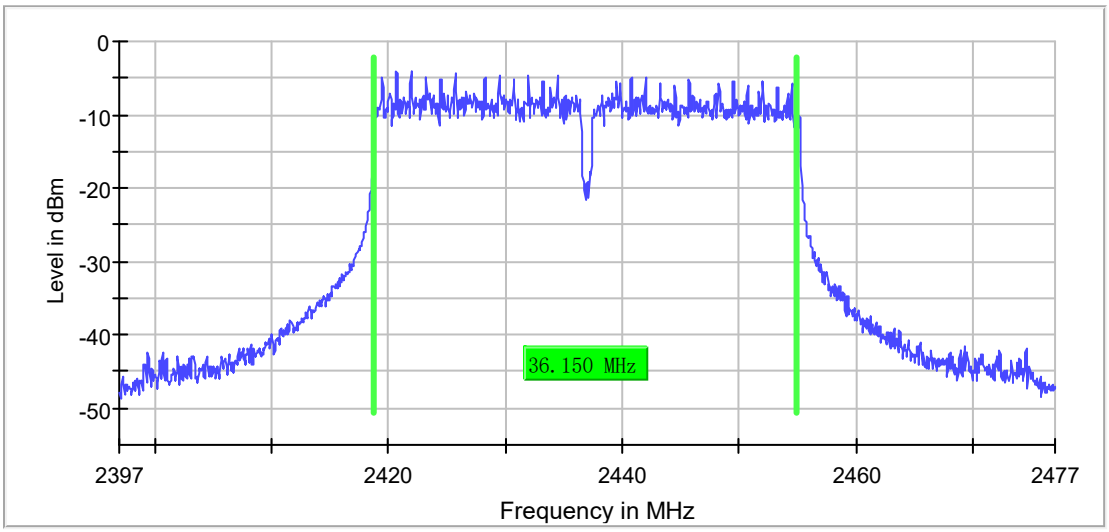
Mode 1 / CH2 (2422MHz)

6 dB Bandwidth



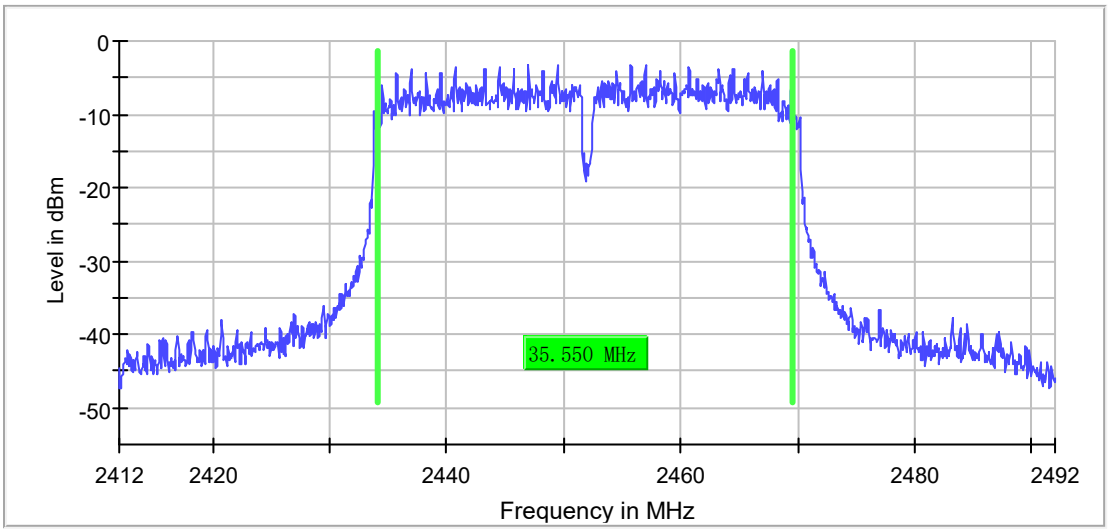
Mode 1 / CH5 (2437MHz)

6 dB Bandwidth



Mode 1 / CH8 (2452MHz)

6 dB Bandwidth

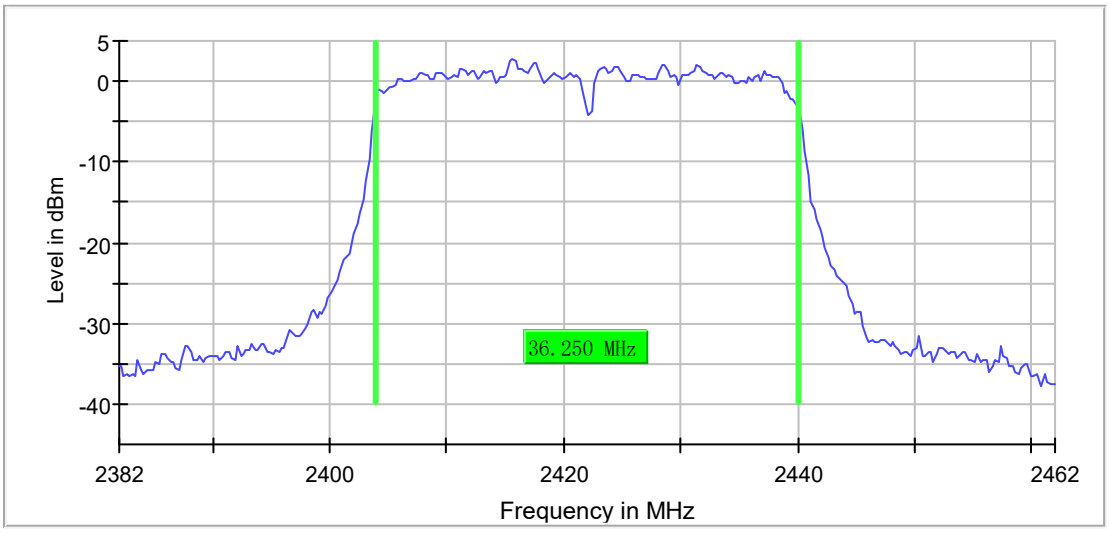


Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (MHz)	Limit	Result
IEEE 802.11 n40	2	2422	36.25	Within frequency range	Pass
	5	2437	37.00	Within frequency range	Pass
	8	2452	36.25	Within frequency range	Pass

99% Occupied Bandwidth

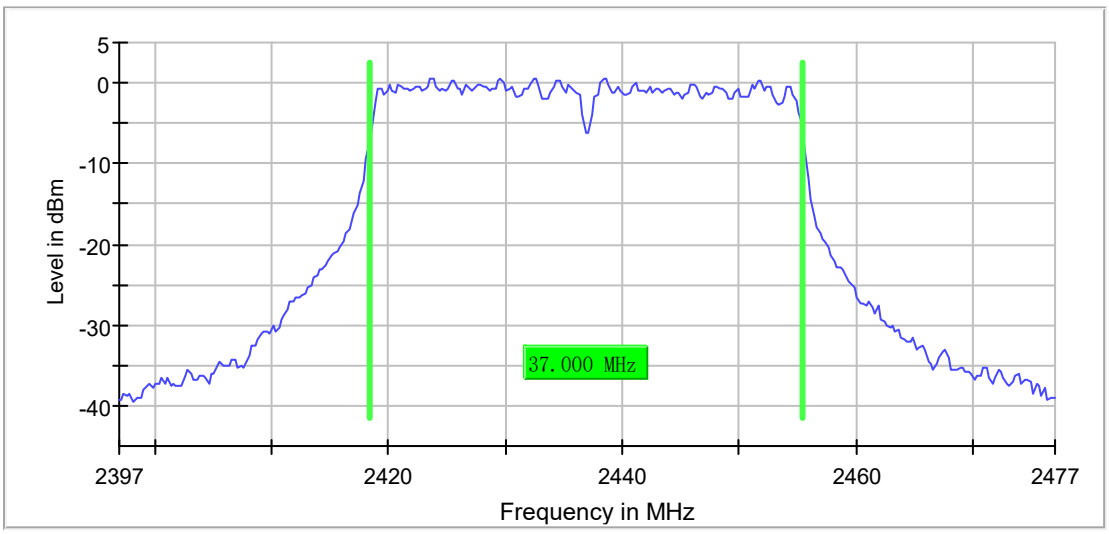
Mode 1 / CH2 (2422 MHz)

99 % Bandwidth



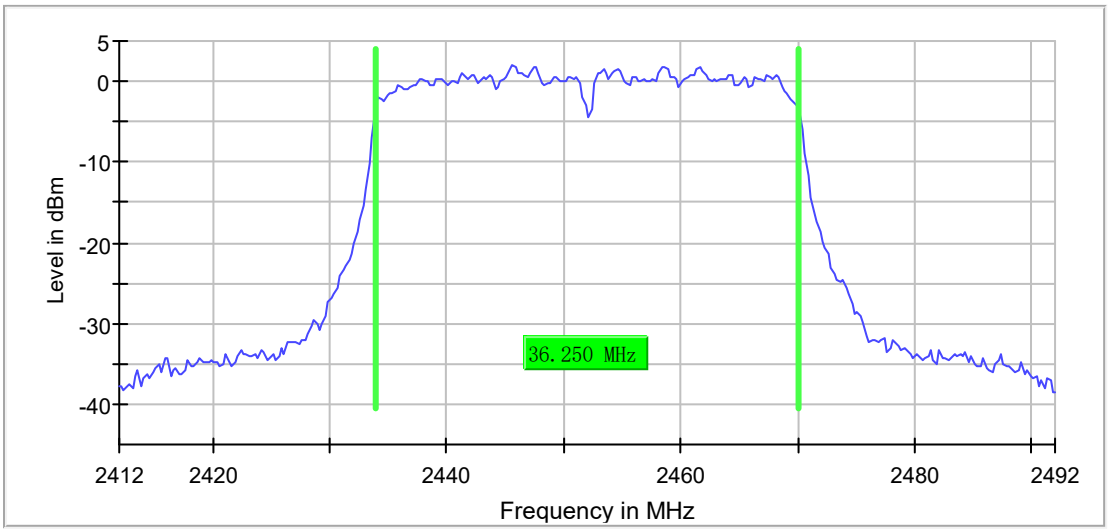
Mode 1 / CH5 (2437 MHz)

99 % Bandwidth



Mode 1 / CH8 (2452 MHz)

99 % Bandwidth



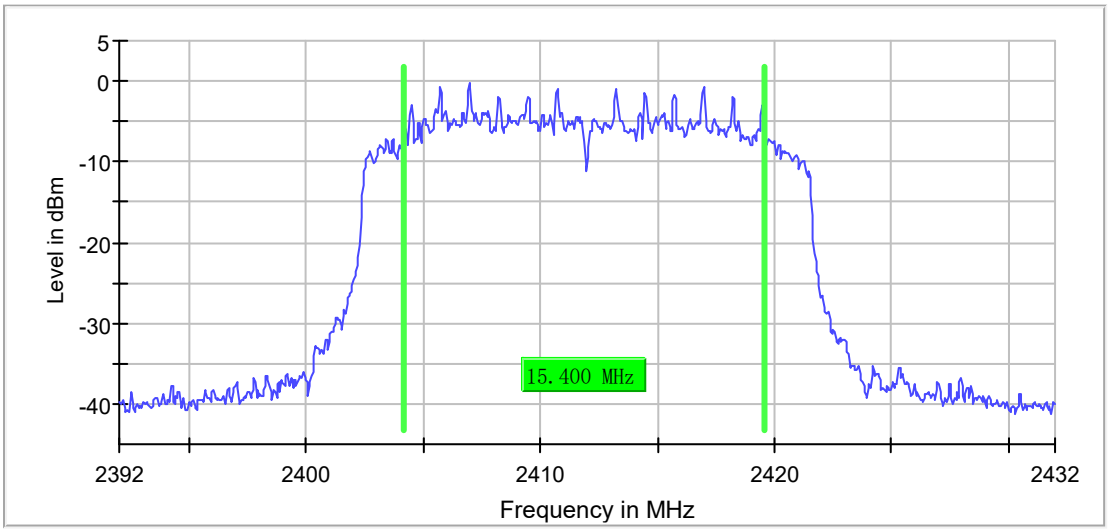
Results

Mode	CH.	Test Freq. (MHz)	6dB Occupied Bandwidth (MHz)	Limit (kHz)	Result
IEEE 802.11 ax20	0	2412	15.40	>500	Pass
	5	2437	18.95	>500	Pass
	10	2462	15.40	>500	Pass

6dB Occupied Bandwidth

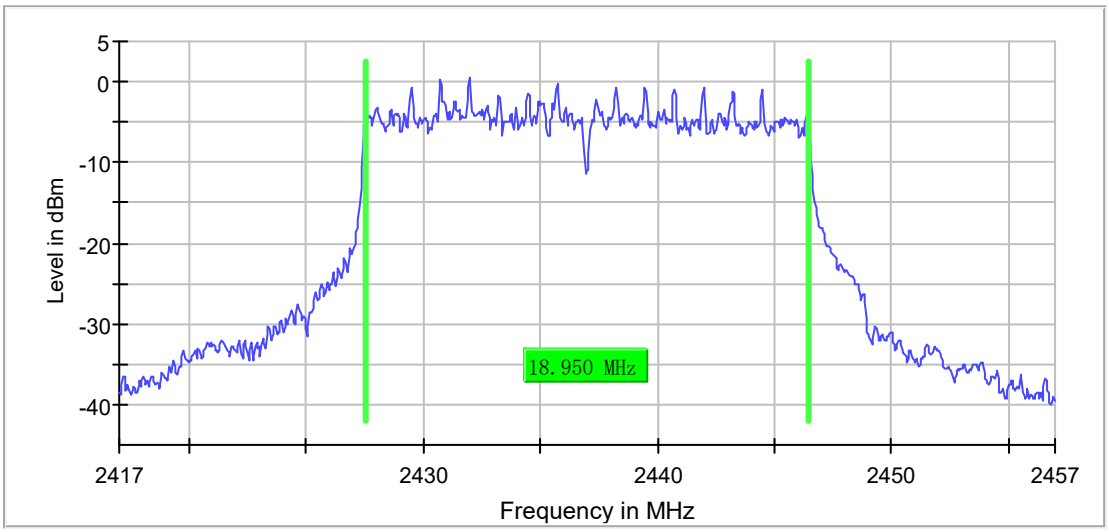
Mode 1 / CH0 (2412MHz)

6 dB Bandwidth



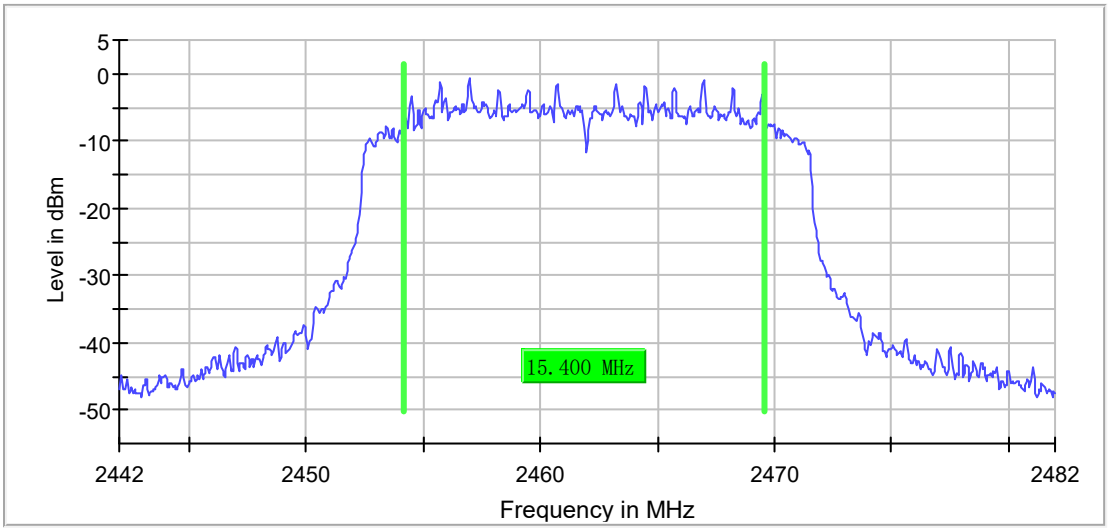
Mode 1 / CH5 (2437MHz)

6 dB Bandwidth



Mode 1 / CH10 (2462MHz)

6 dB Bandwidth

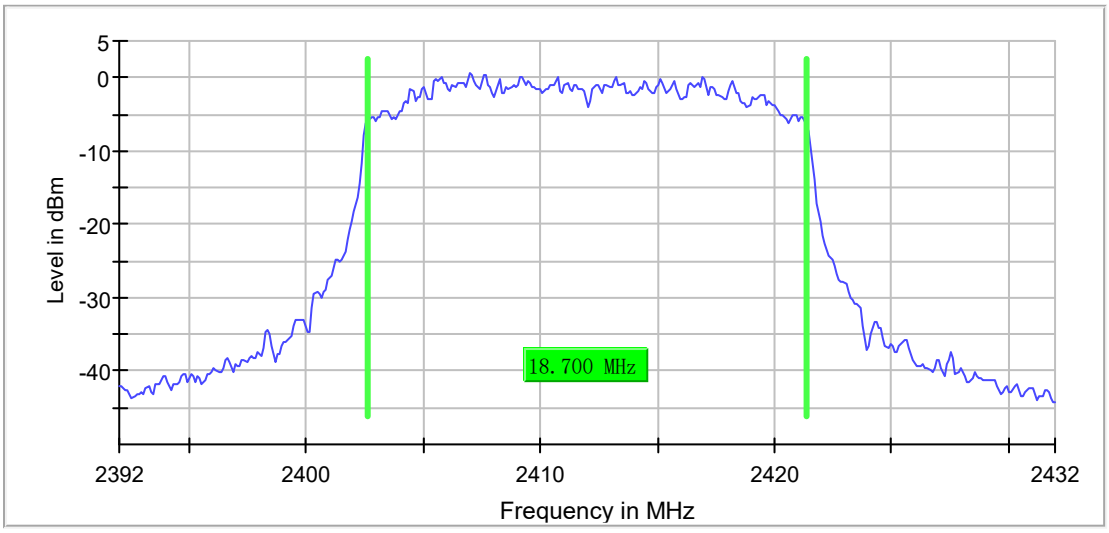


Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (MHz)	Limit	Result
IEEE 802.11 ax20	0	2412	18.7	Within frequency range	Pass
	5	2437	19.2	Within frequency range	Pass
	10	2462	18.7	Within frequency range	Pass

99% Occupied Bandwidth

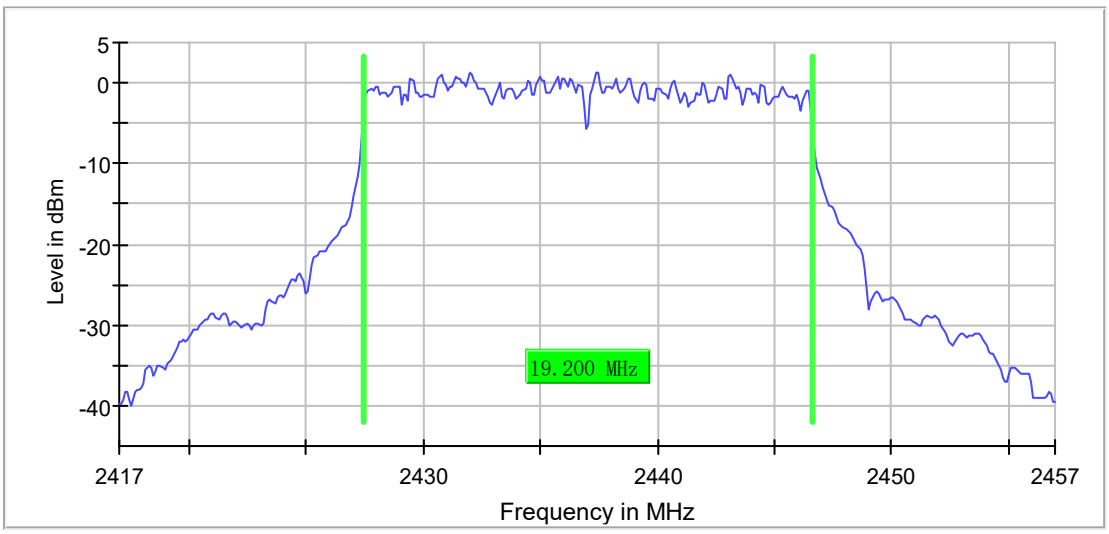
Mode 1 / CH0 (2412 MHz)

99 % Bandwidth



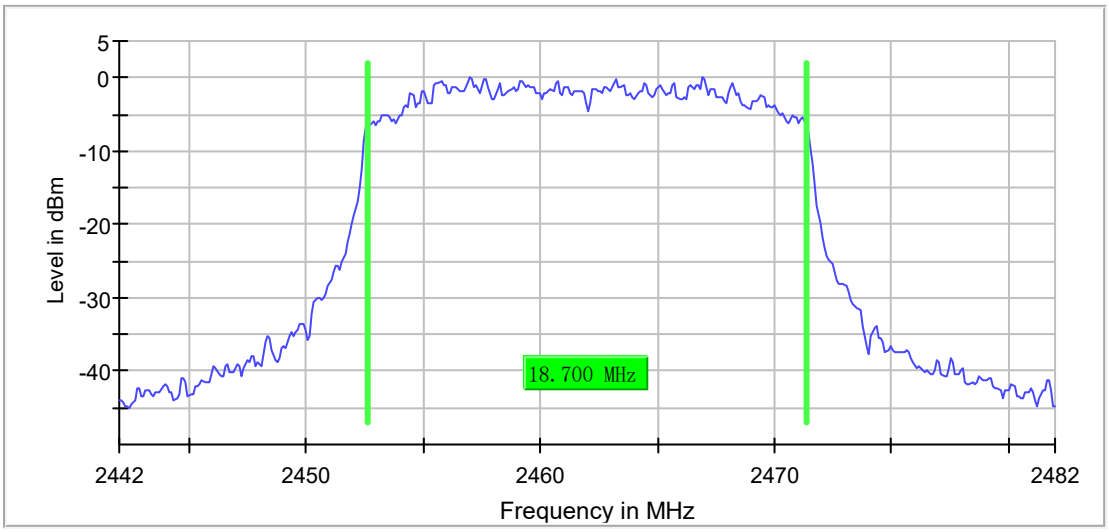
Mode 1 / CH5 (2437 MHz)

99 % Bandwidth



Mode 1 / CH10 (2462 MHz)

99 % Bandwidth



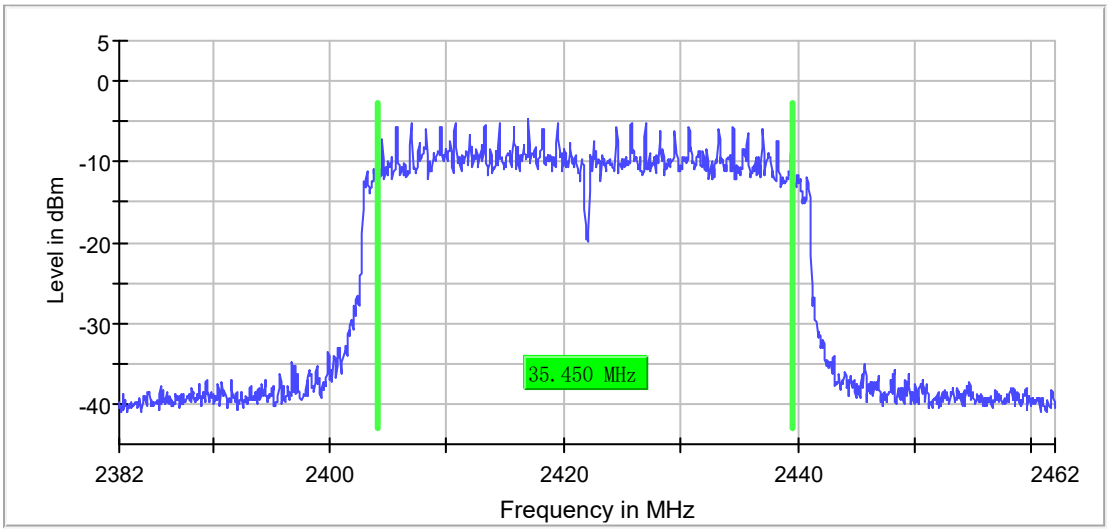
Results

Mode	CH.	Test Freq. (MHz)	6dB Occupied Bandwidth (MHz)	Limit (kHz)	Result
IEEE 802.11 ax40	2	2422	35.45	>500	Pass
	5	2437	37.95	>500	Pass
	8	2452	35.25	>500	Pass

6dB Occupied Bandwidth

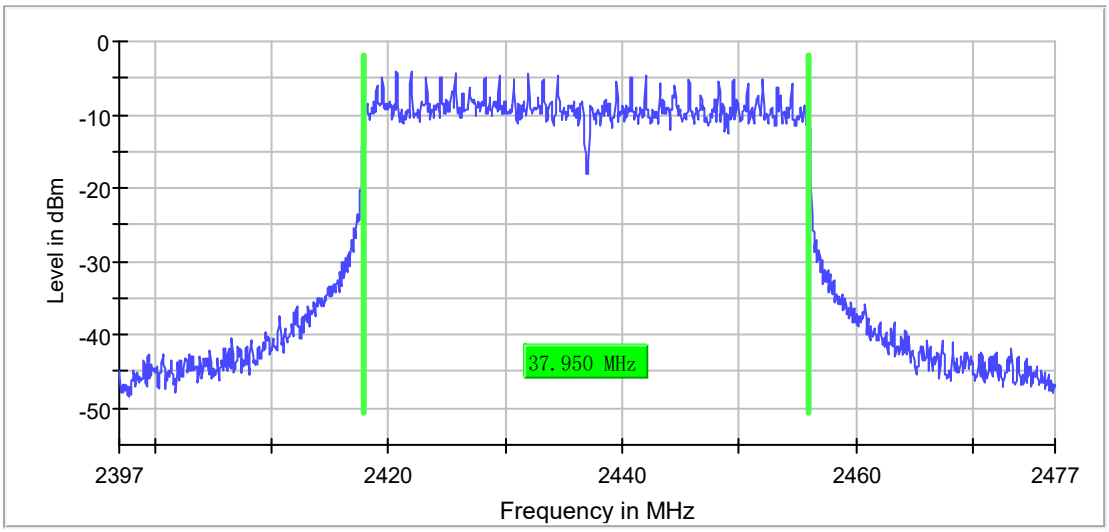
Mode 1 / CH2 (2422MHz)

6 dB Bandwidth



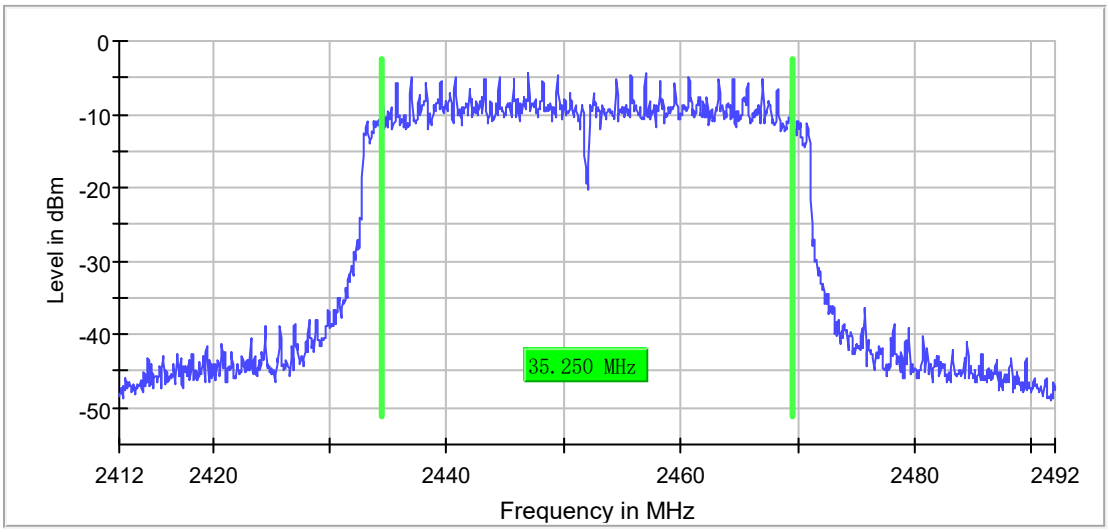
Mode 1 / CH5 (2437MHz)

6 dB Bandwidth



Mode 1 / CH8 (2452MHz)

6 dB Bandwidth

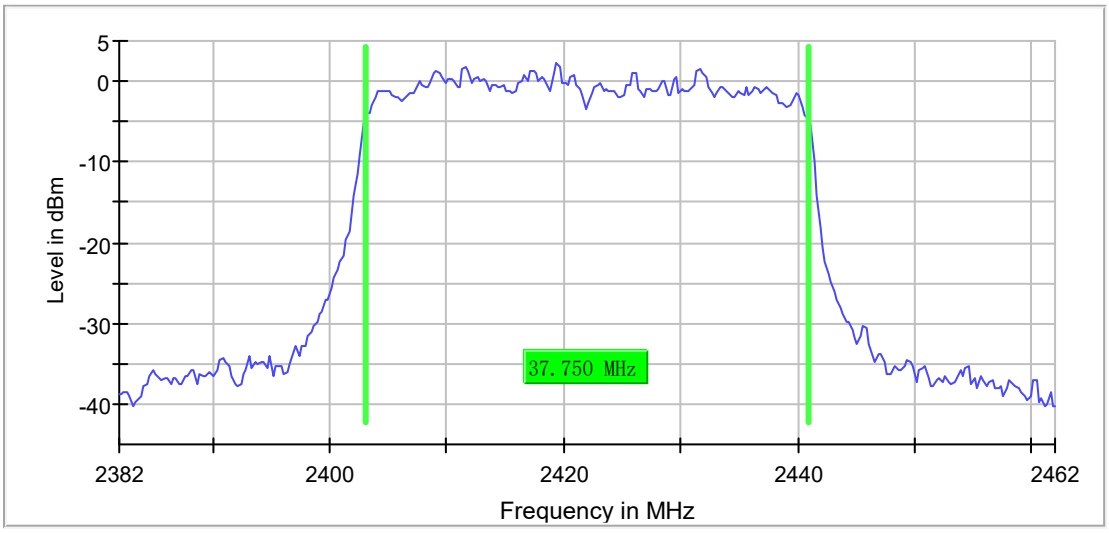


Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (MHz)	Limit	Result
IEEE 802.11 ax40	2	2422	37.75	Within frequency range	Pass
	5	2437	38.50	Within frequency range	Pass
	8	2452	37.75	Within frequency range	Pass

99% Occupied Bandwidth

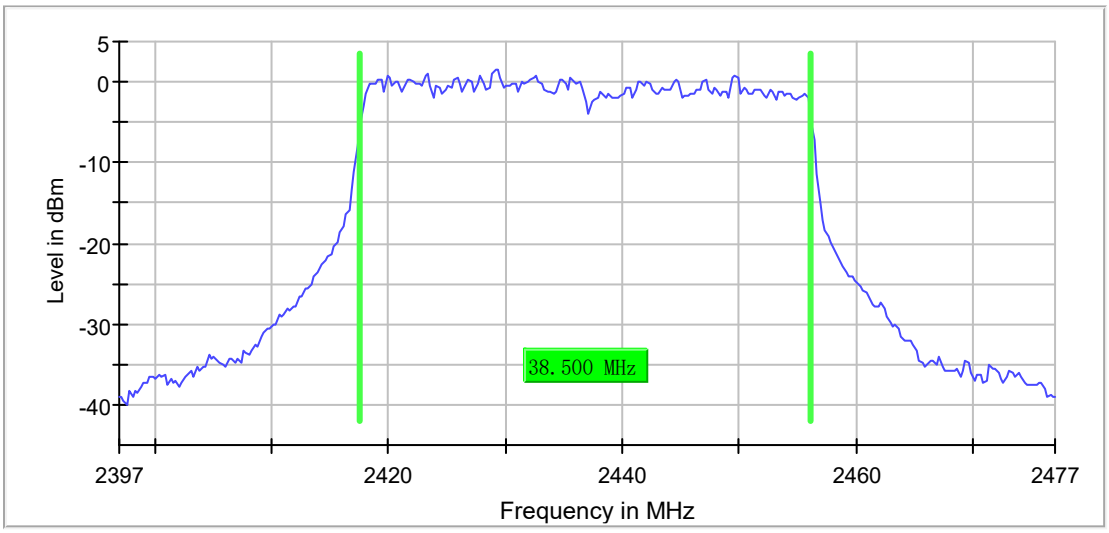
Mode 1 / CH2 (2422 MHz)

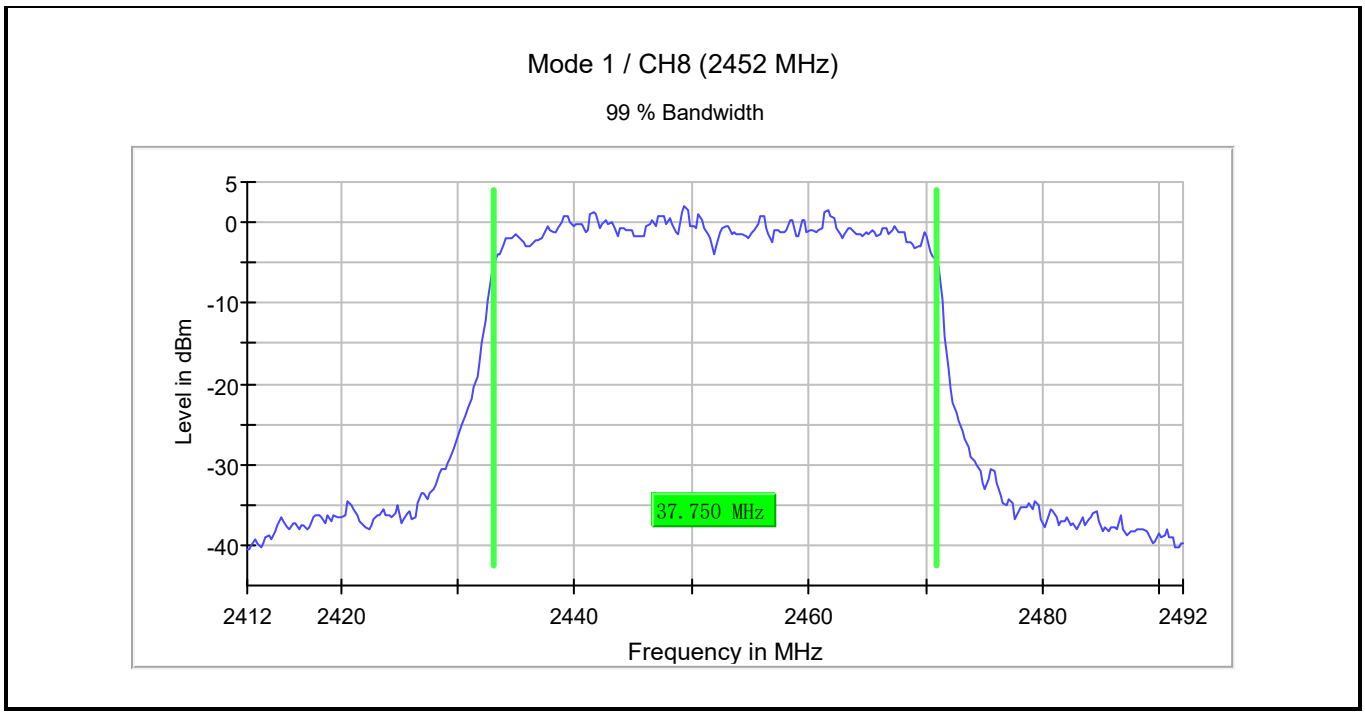
99 % Bandwidth



Mode 1 / CH5 (2437 MHz)

99 % Bandwidth



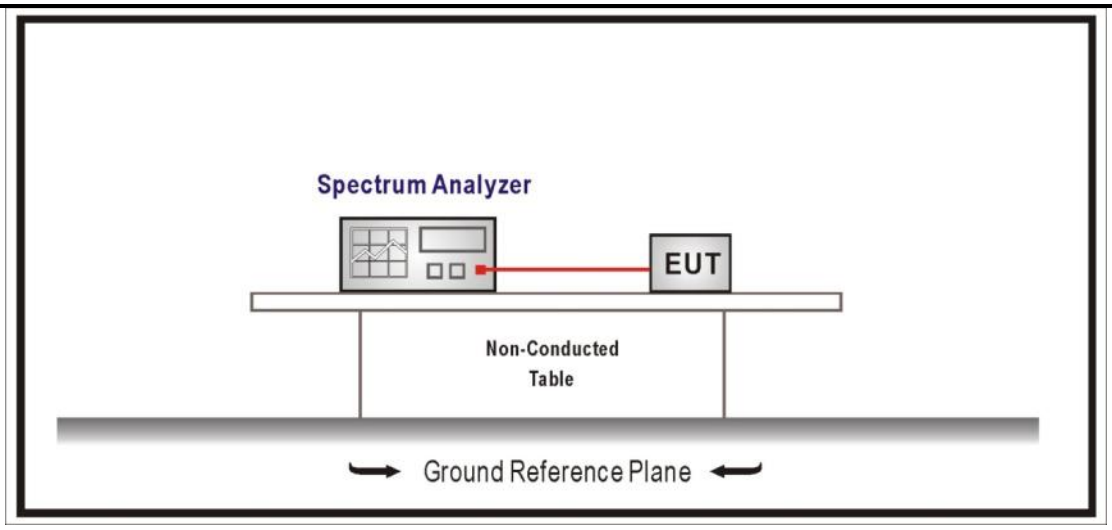

Mode 1 / CH8 (2452 MHz)
99 % Bandwidth
5
0
-10
-20
-30
-40
Level in dBm
37.750 MHz
2412
2420
2440
2460
2480
2492
Frequency in MHz

4.7	Fundamental emission output power	VERDICT: PASS

Standard			FCC Part 15 Subpart C Paragraph 15.247 (b)(3)
☒	GTX ＜6dBi		Pout≤30dBm
☐	GTX ＞6dBi		
	☐	Non-Fix point-point	Pout≤30-(GTX -6)
	☐	Fix point-point	Pout≤30-[(GTX-6)]/3
	☐	Point-to-multipoint	Pout≤30-(GTX-6)
	☐	Overlap Beams	Pout≤30-[(GTX-6)]/3
	☐	Aggregate power transmitted simultaneously on all beams	Pout≤30-[(GTX-6)]/3
	☐	singby LE directional beam	Pout≤30-[(GTX-6)]/3+8dB

Note 1 : GTX directional gain of transmitting antennas.
Note 2 : Pout is maximum peak conducted output power .

Test Configuration



Performed measurements

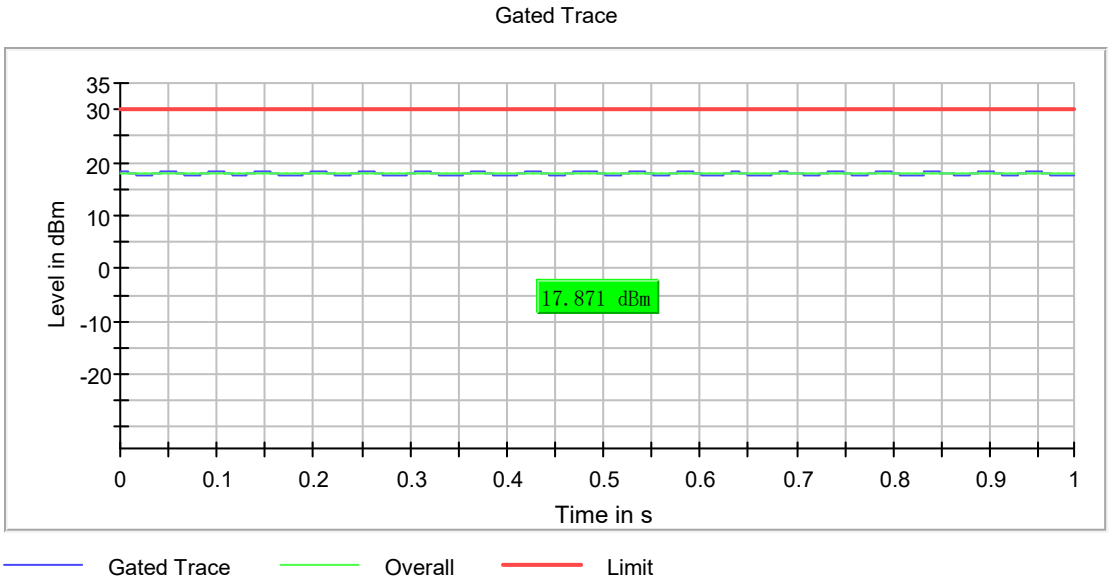
Port under test	Antenna port	
Test method applied	☒	Conducted measurement
	☐	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	---	

Results

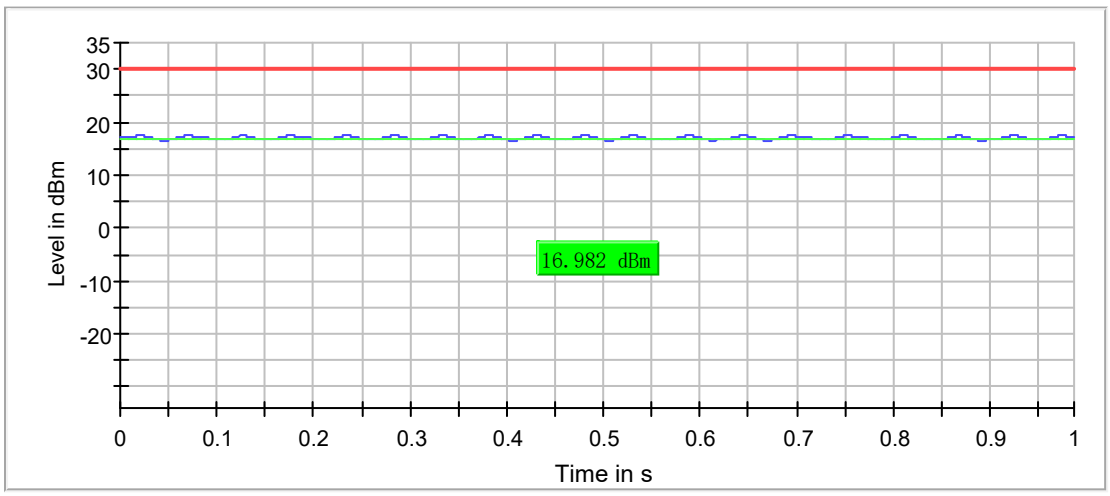
Mode	Channel	Test Frequency (MHz)	Power Output (dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
IEEE 802.11 b	0	2412	17.9	≤30	20.2	≤36	Pass
	5	2437	17.0	≤30	19.3	≤36	Pass
	10	2462	17.0	≤30	19.3	≤36	Pass
IEEE 802.11 g	0	2412	14.6	≤30	16.9	≤36	Pass
	5	2437	10.0	≤30	12.3	≤36	Pass
	10	2462	10.1	≤30	12.4	≤36	Pass
IEEE 802.11 n20	0	2412	14.5	≤30	16.8	≤36	Pass
	5	2437	9.9	≤30	12.2	≤36	Pass
	10	2462	10.0	≤30	12.3	≤36	Pass
IEEE 802.11 n40	2	2422	12.5	≤30	14.8	≤36	Pass
	5	2437	11.6	≤30	13.9	≤36	Pass
	8	2452	11.9	≤30	14.2	≤36	Pass
IEEE 802.11 ax20	0	2412	11.5	≤30	13.8	≤36	Pass
	5	2437	10.6	≤30	12.9	≤36	Pass
	10	2462	10.6	≤30	12.9	≤36	Pass
IEEE 802.11 ax40	2	2422	11.0	≤30	13.3	≤36	Pass
	5	2437	11.8	≤30	14.1	≤36	Pass
	8	2452	10.4	≤30	12.7	≤36	Pass

Remark: 2,3 dBi for 2.4GHz

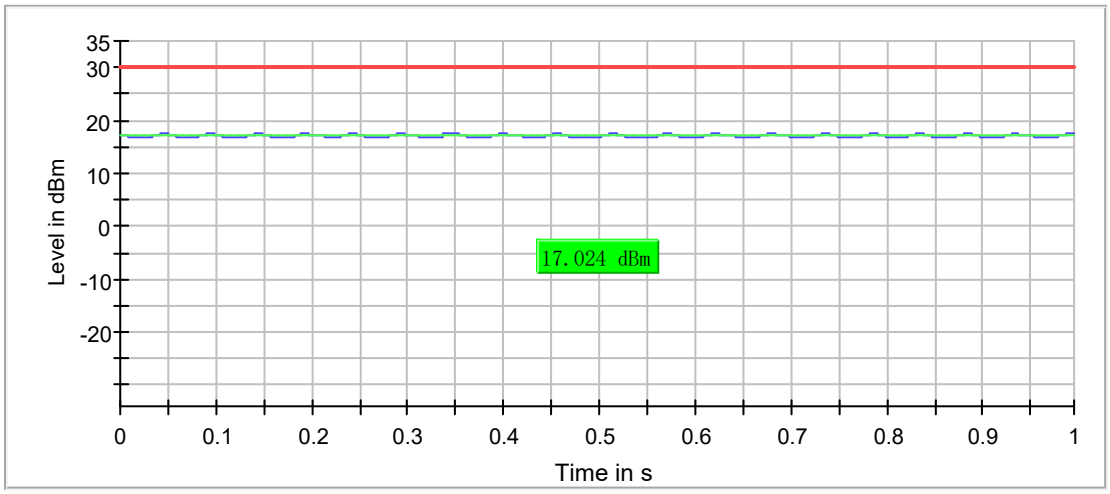
Data of IEEE 802.11 b



Gated Trace

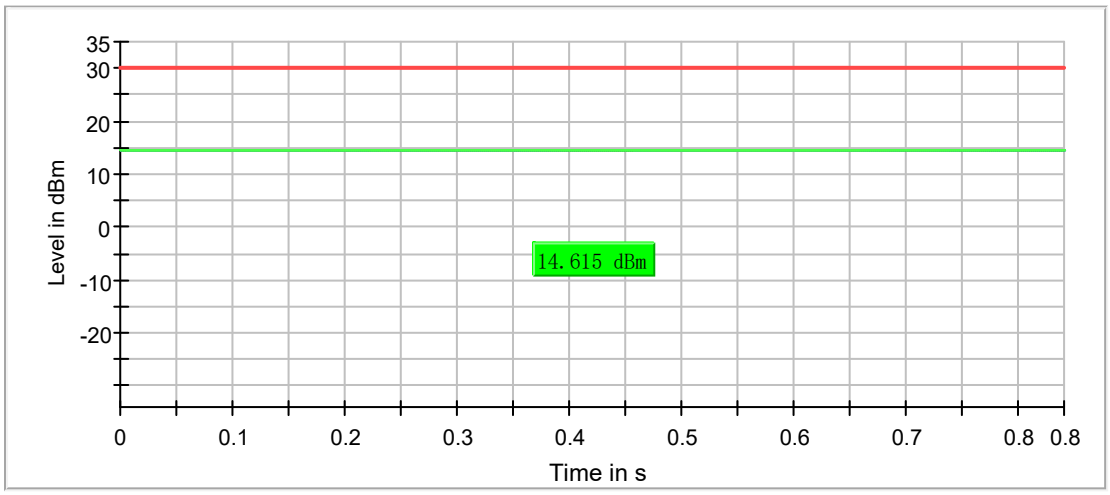


Gated Trace



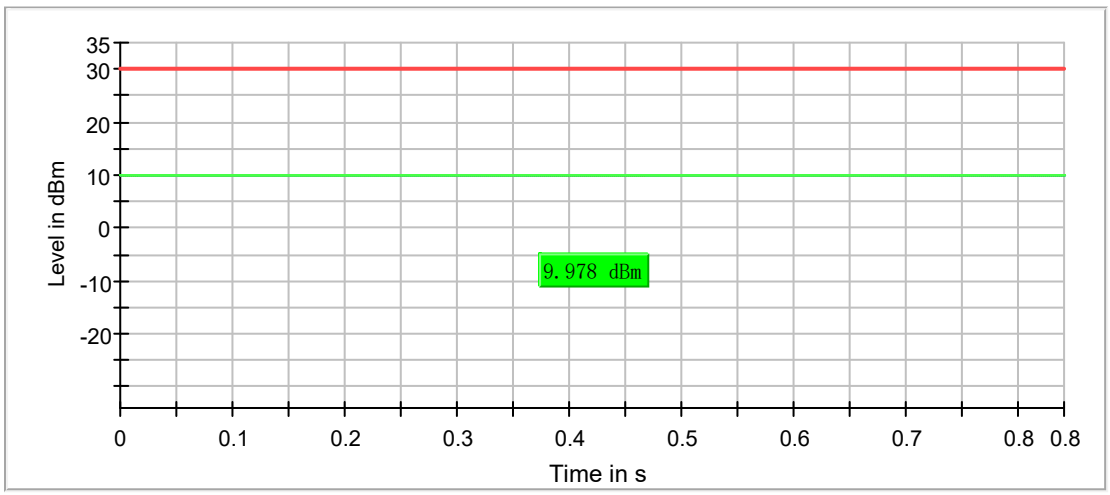
Data of IEEE 802.11 g

Gated Trace



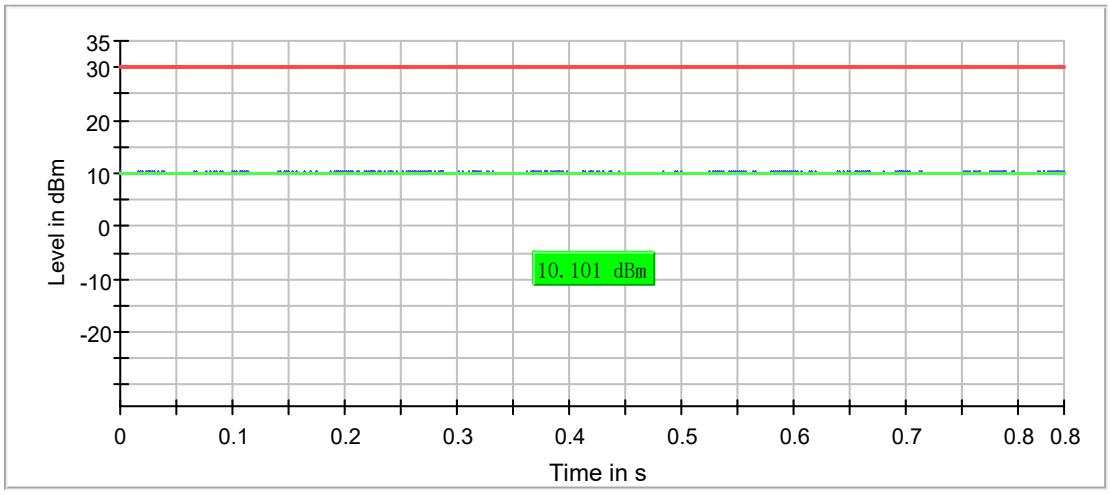
Gated Trace Overall Limit

Gated Trace



Gated Trace Overall Limit

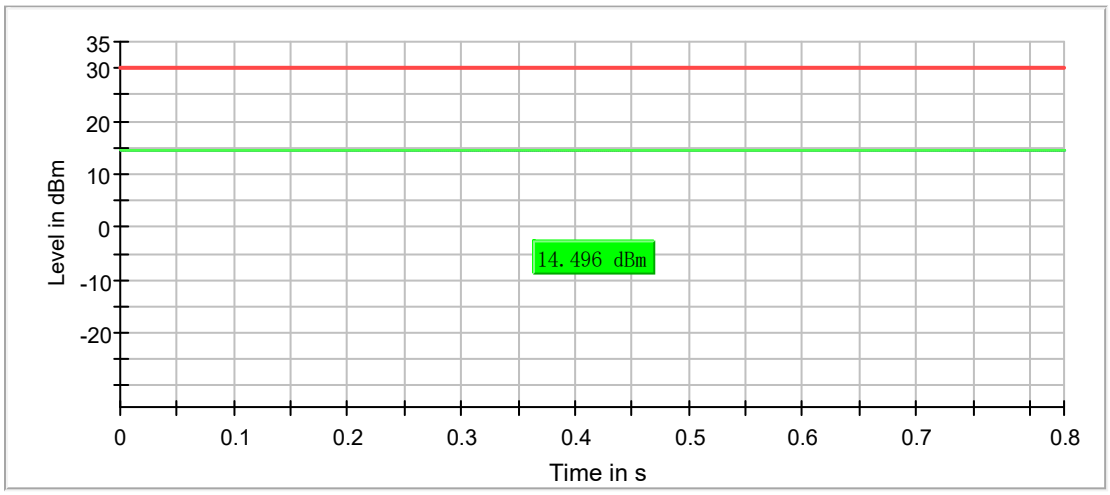
Gated Trace



Gated Trace Overall Limit

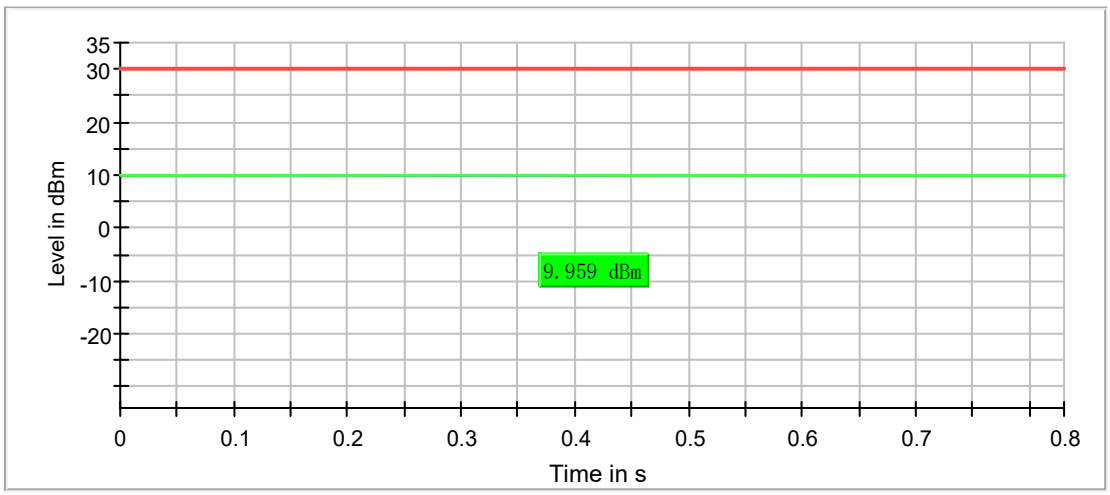
Data of IEEE 802.11 n20

Gated Trace



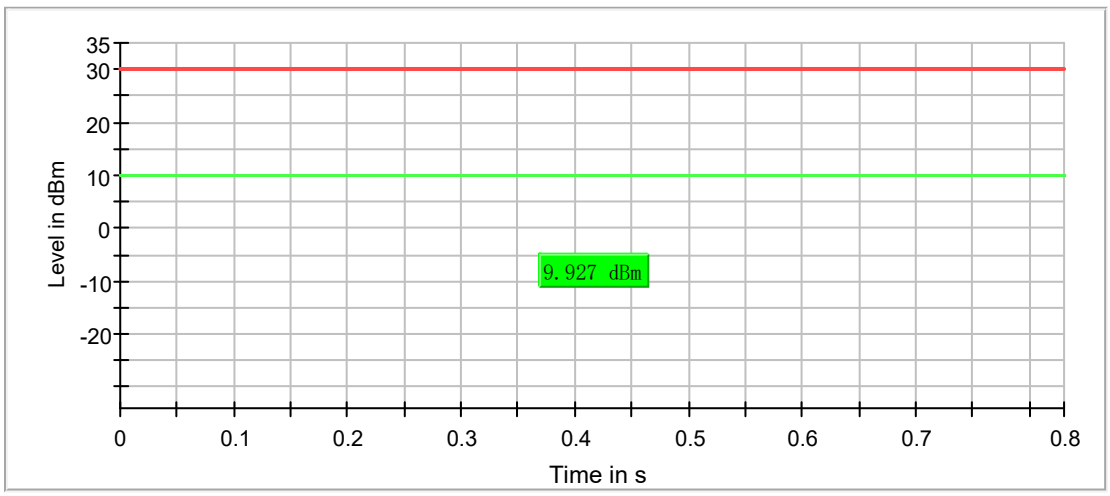
Gated Trace Overall Limit

Gated Trace



Gated Trace Overall Limit

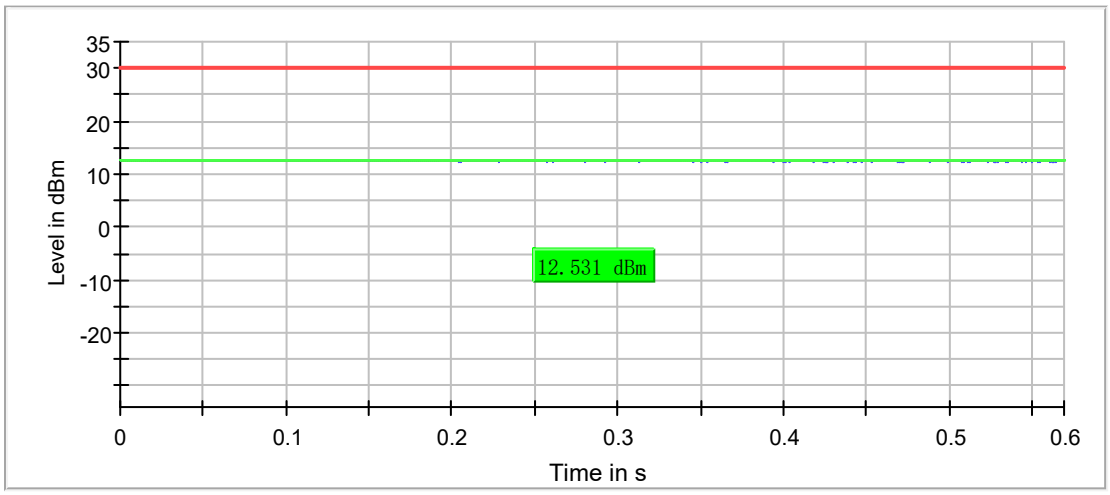
Gated Trace



Gated Trace Overall Limit

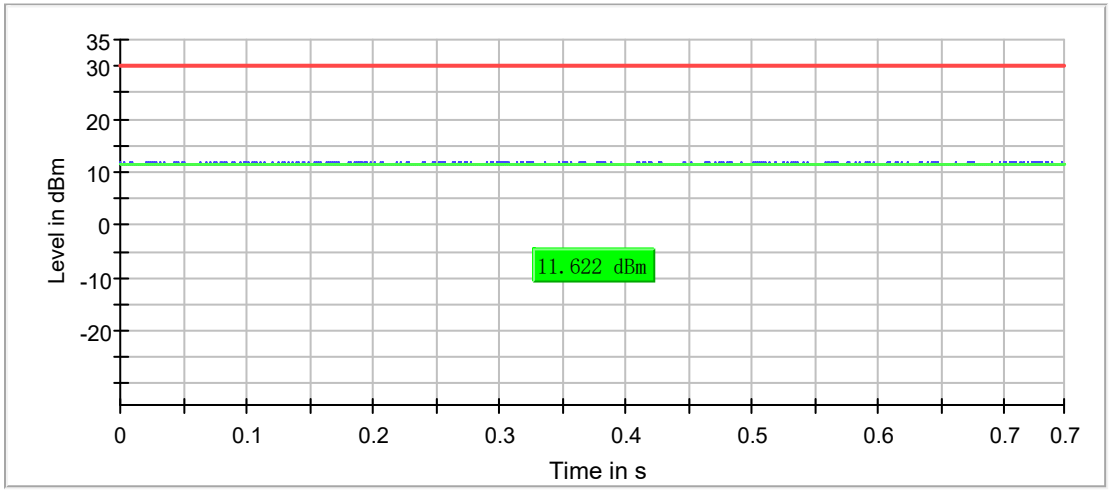
Data of IEEE 802.11 n40

Gated Trace



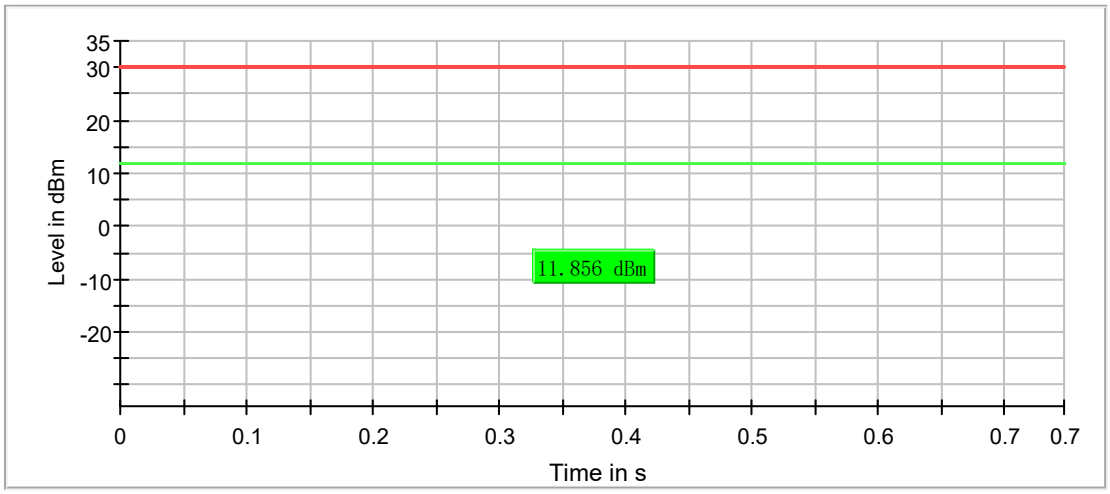
Gated Trace Overall Limit

Gated Trace



Gated Trace Overall Limit

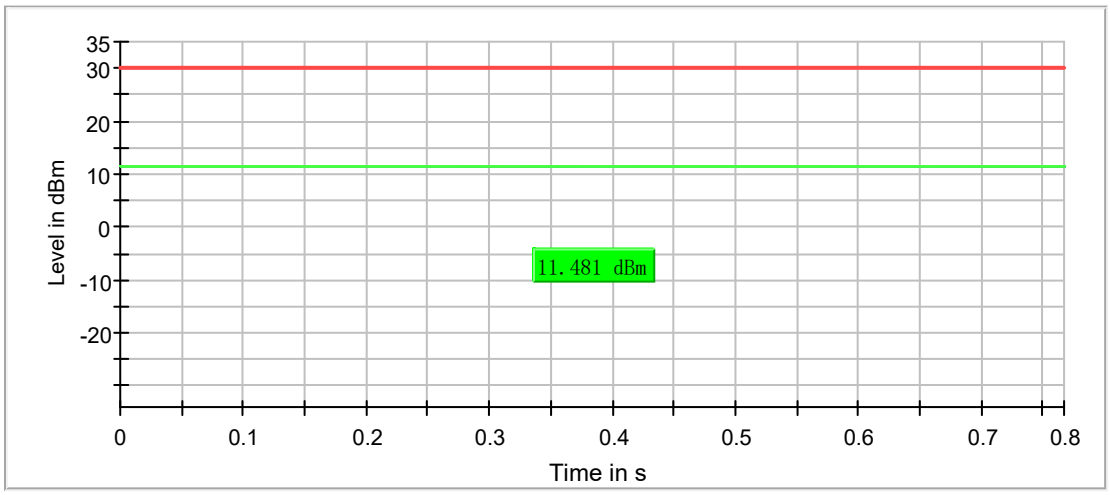
Gated Trace



Gated Trace Overall Limit

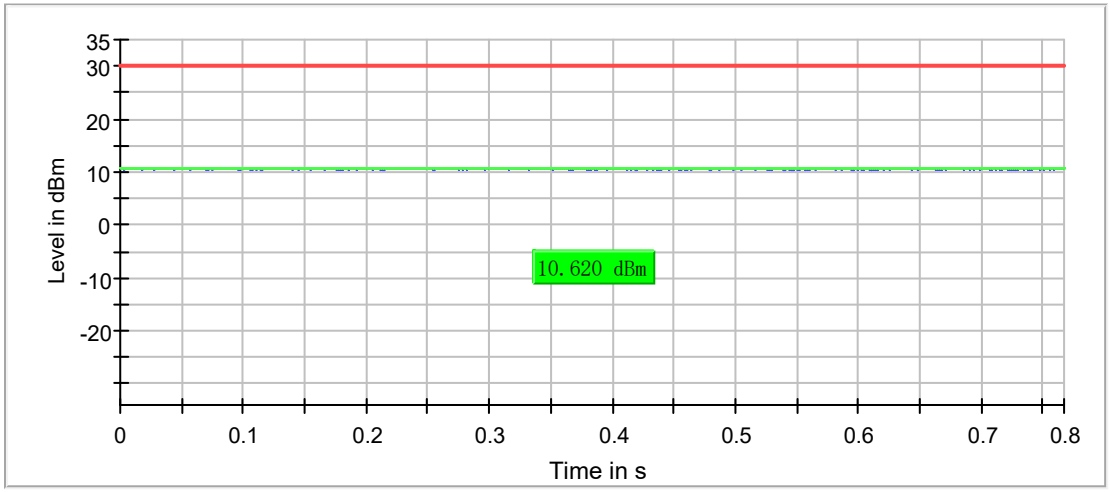
Data of IEEE 802.11 ax20

Gated Trace



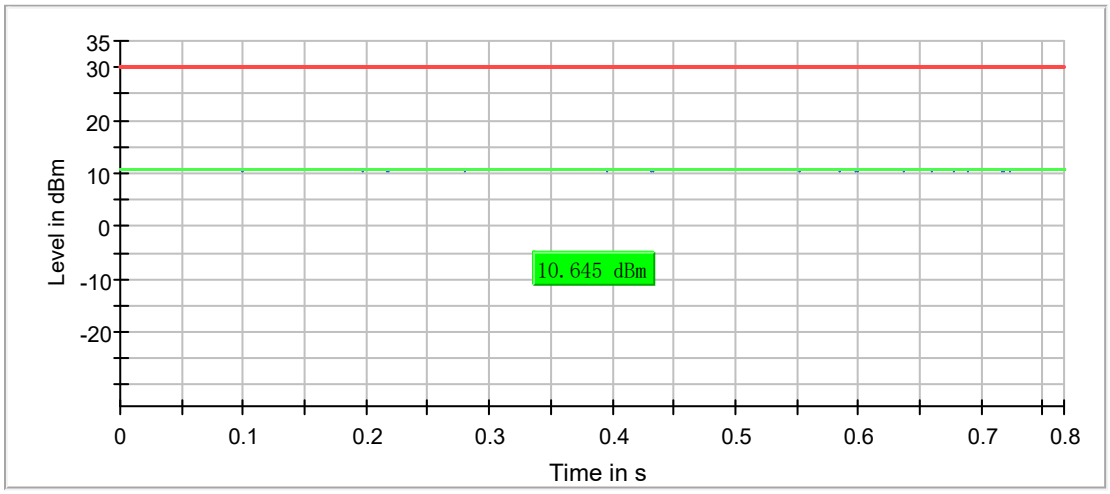
Gated Trace Overall Limit

Gated Trace



Gated Trace Overall Limit

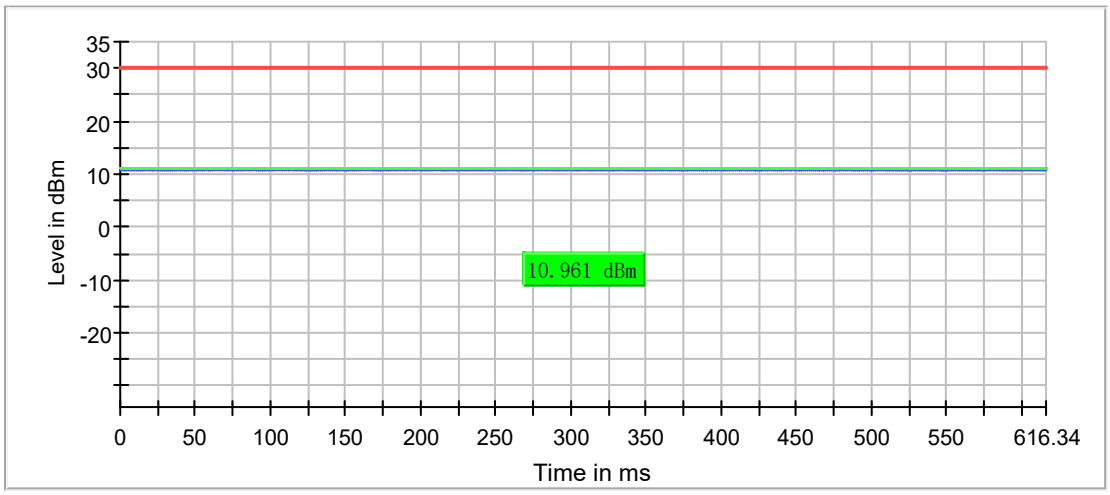
Gated Trace



Gated Trace Overall Limit

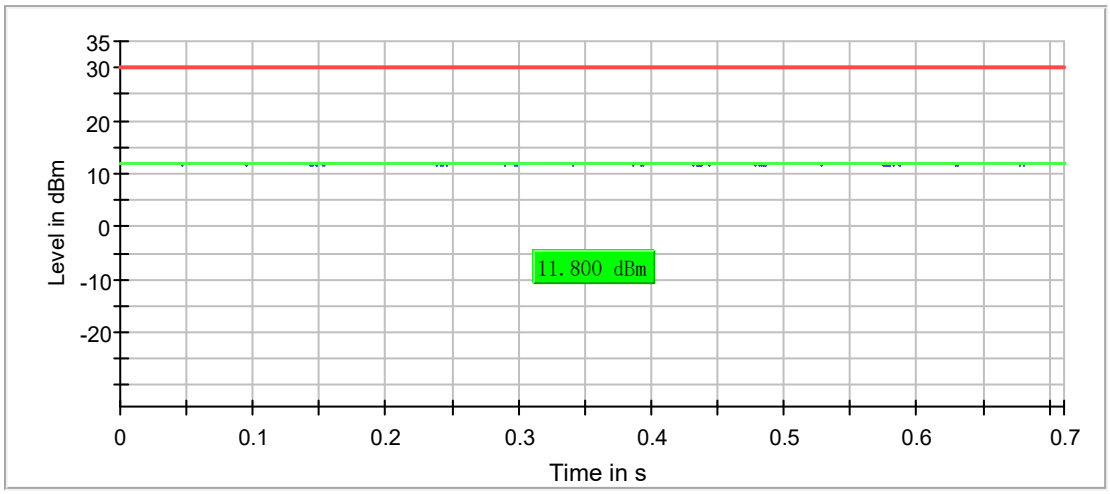
Data of IEEE 802.11 ax40

Gated Trace



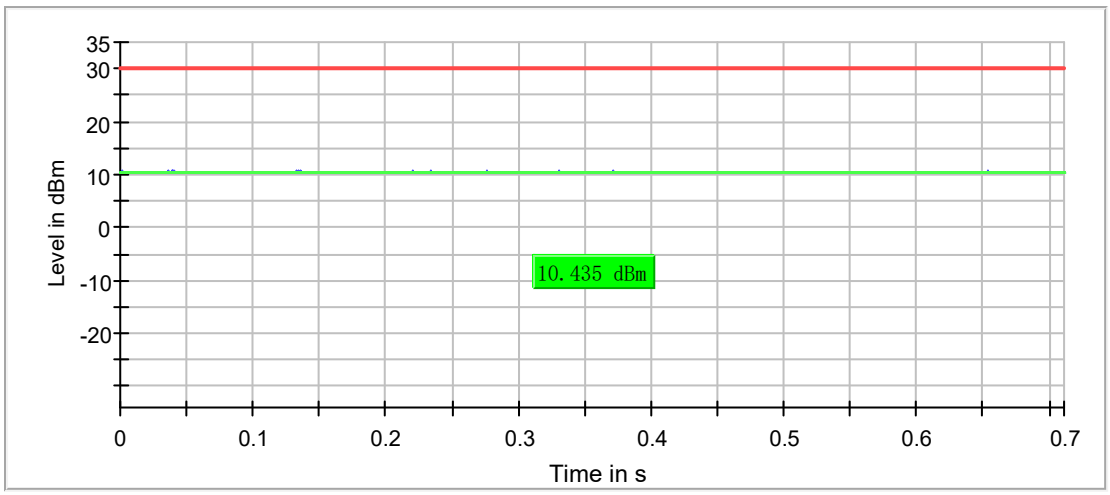
Gated Trace Overall Limit

Gated Trace



Gated Trace Overall Limit

Gated Trace

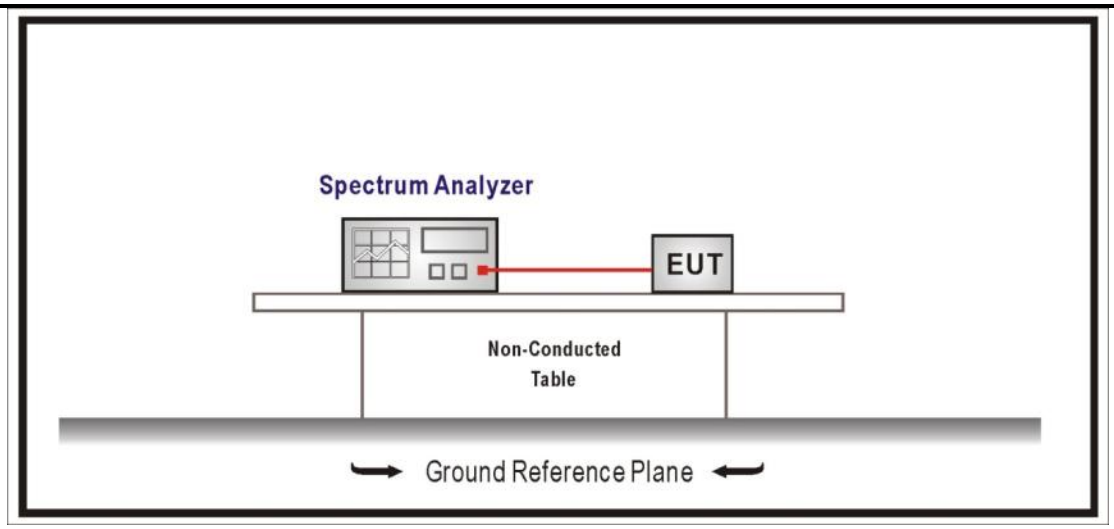


Gated Trace Overall Limit

4.8 Power Density — VERDICT: PASS

Standard	FCC Part 15 Subpart C Paragraph 15.247 (b)(3)
Power Spectral Density≤8dBm/3kHz	

Test Configuration



Performed measurements

Port under test	Antenna port	
Test method applied	☒	Conducted measurement
	☐	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	---	

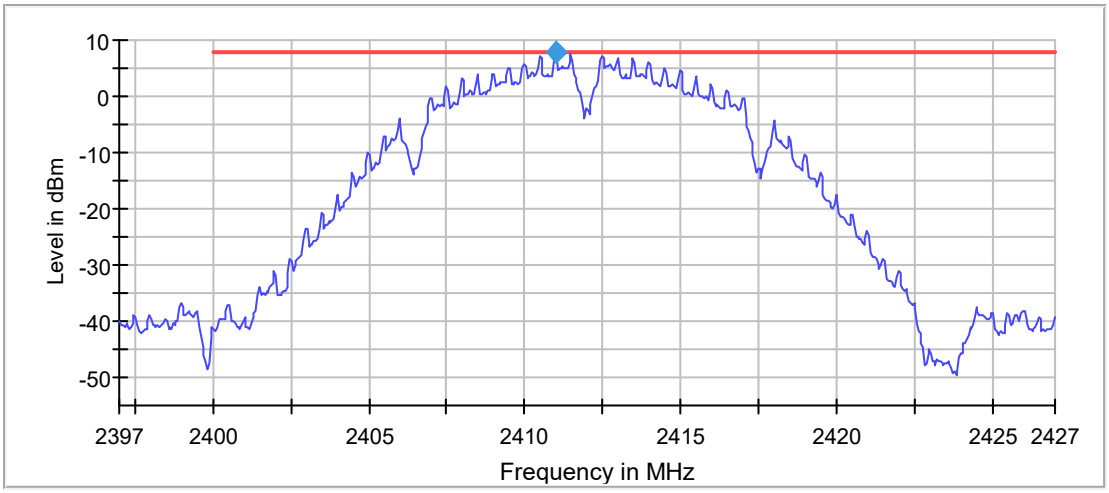
Results

Mode	Channel	Test Frequency (MHz)	Power Output (dBm)	Limit (dBm/3kHz)	Result
IEEE 802.11 b	0	2412	7.790	≤8	Pass
	5	2442	7.142	≤8	Pass
	10	2462	7.501	≤8	Pass
IEEE 802.11 g	0	2412	2.722	≤8	Pass
	5	2442	-1.988	≤8	Pass
	10	2462	-1.808	≤8	Pass
IEEE 802.11 n20	0	2412	2.380	≤8	Pass
	5	2442	-2.087	≤8	Pass
	10	2462	-1.926	≤8	Pass

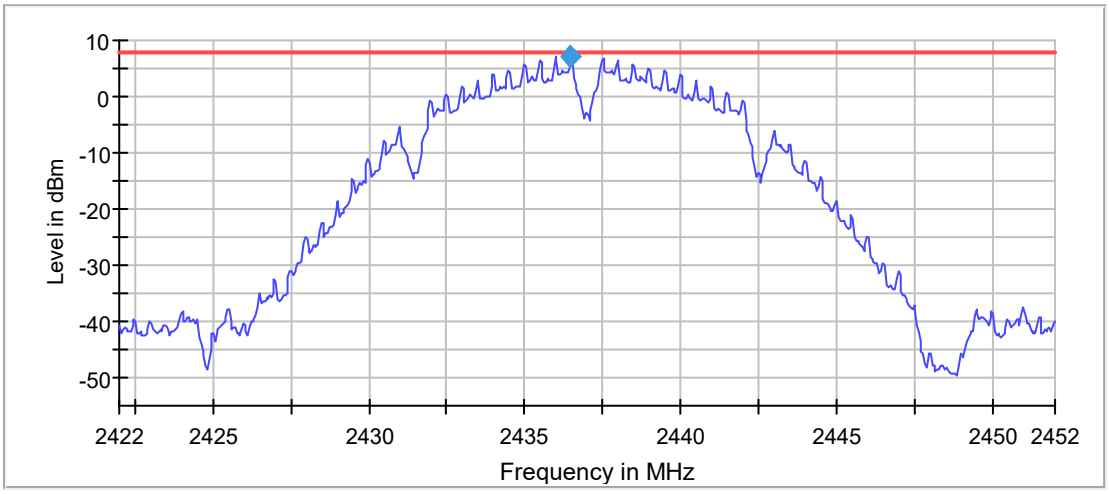
IEEE 802.11 n40	2	2422	-2.711	≤8	Pass
	5	2442	-3.662	≤8	Pass
	8	2452	-3.299	≤8	Pass
IEEE 802.11 ax20	0	2412	-0.357	≤8	Pass
	5	2442	-1.115	≤8	Pass
	10	2462	-0.935	≤8	Pass
IEEE 802.11 ax40	2	2422	-4.218	≤8	Pass
	5	2442	-3.245	≤8	Pass
	8	2452	-4.473	≤8	Pass

Data of IEEE 802.11 b

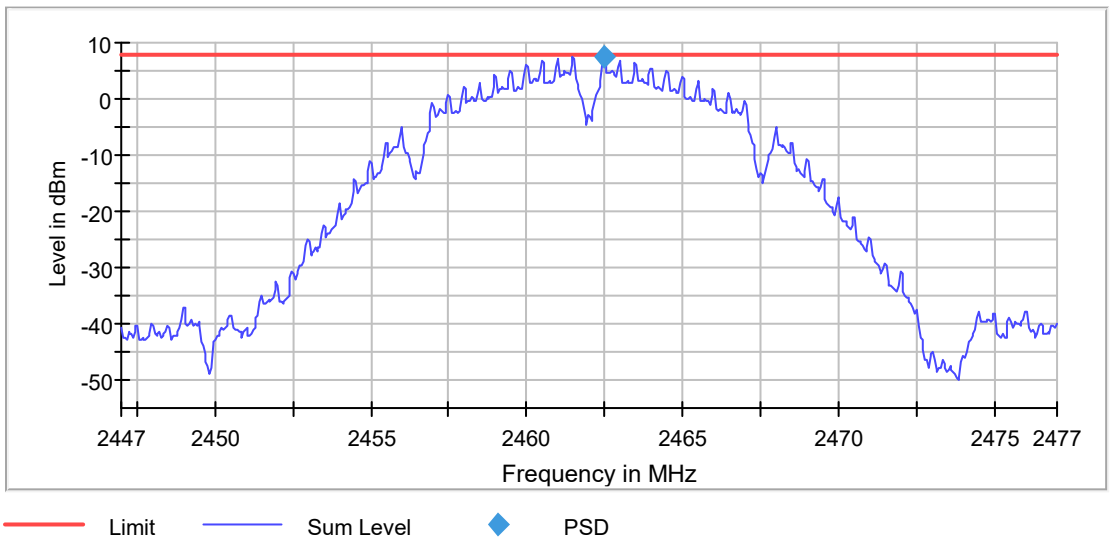
Peak Power Spectral Density



Peak Power Spectral Density

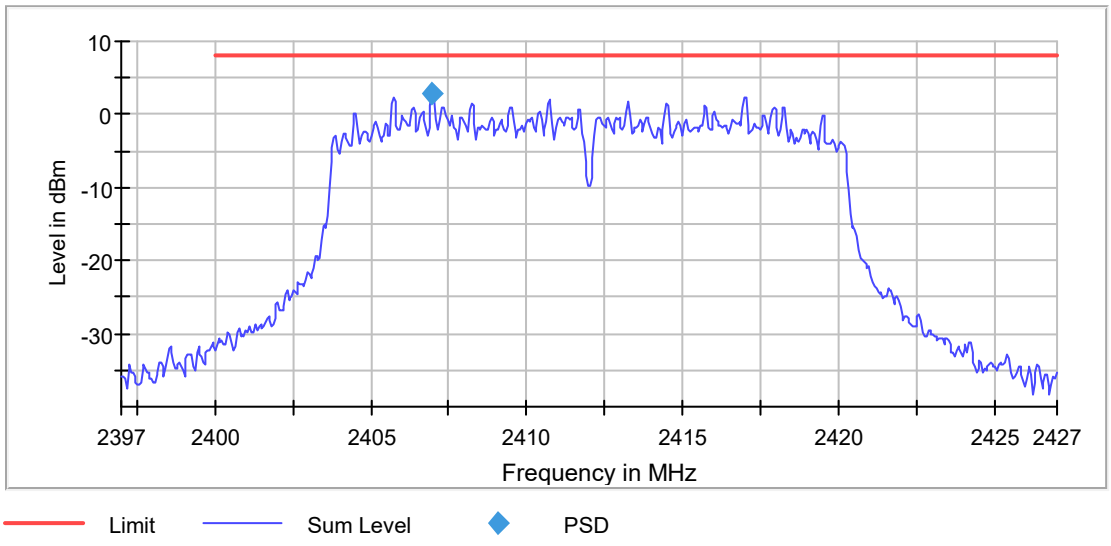


Peak Power Spectral Density

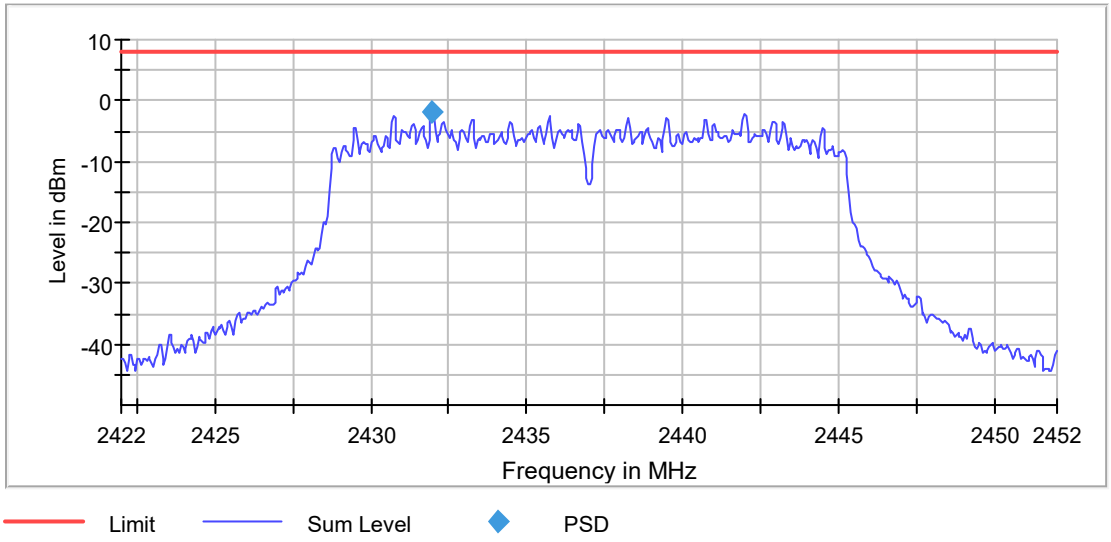


Data of IEEE 802.11 g

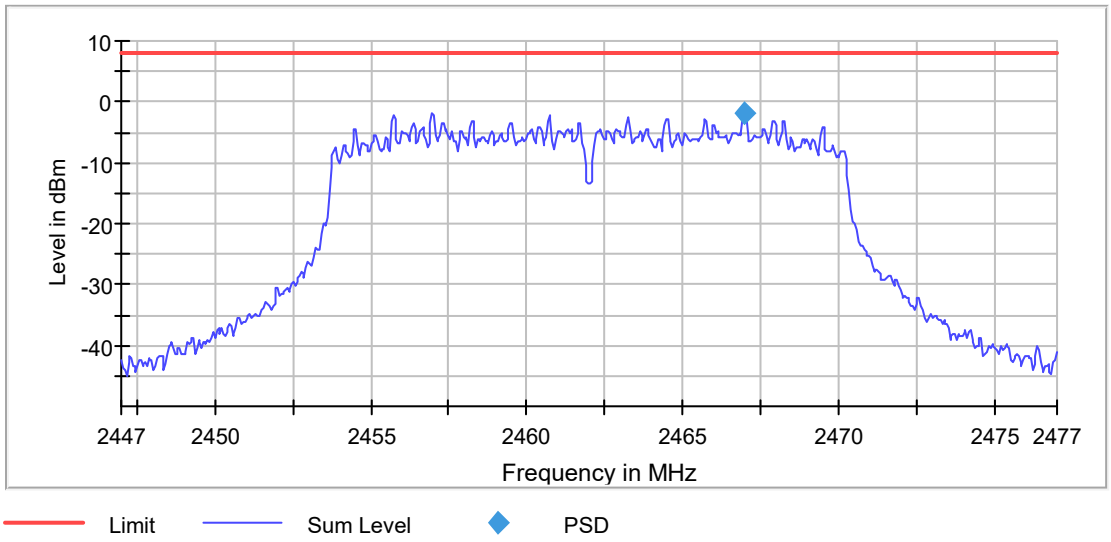
Peak Power Spectral Density



Peak Power Spectral Density

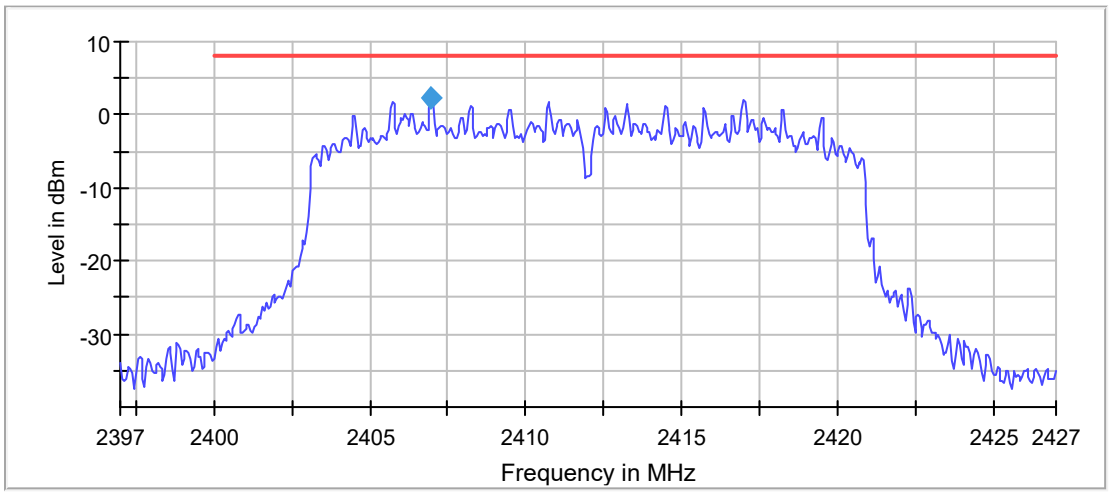


Peak Power Spectral Density

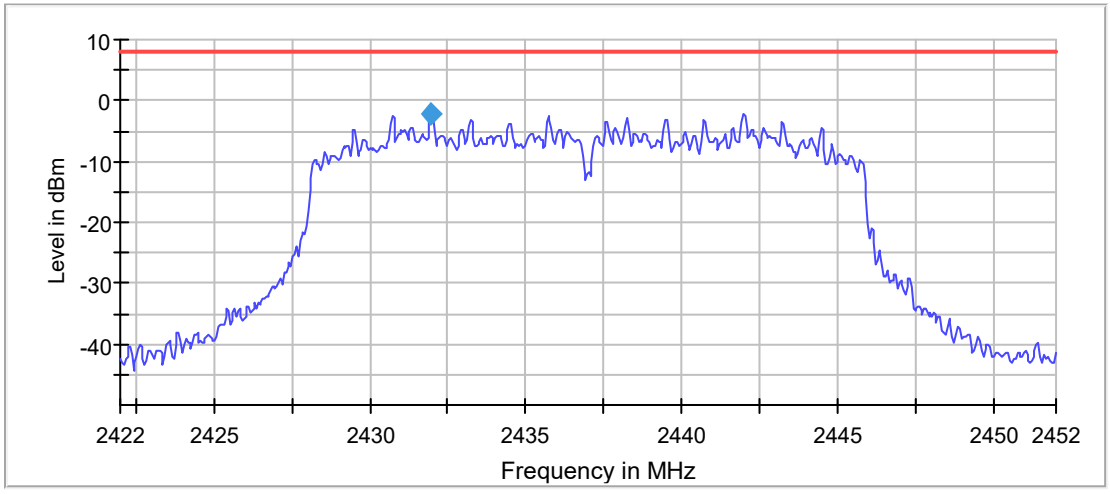


Data of IEEE 802.11 n20

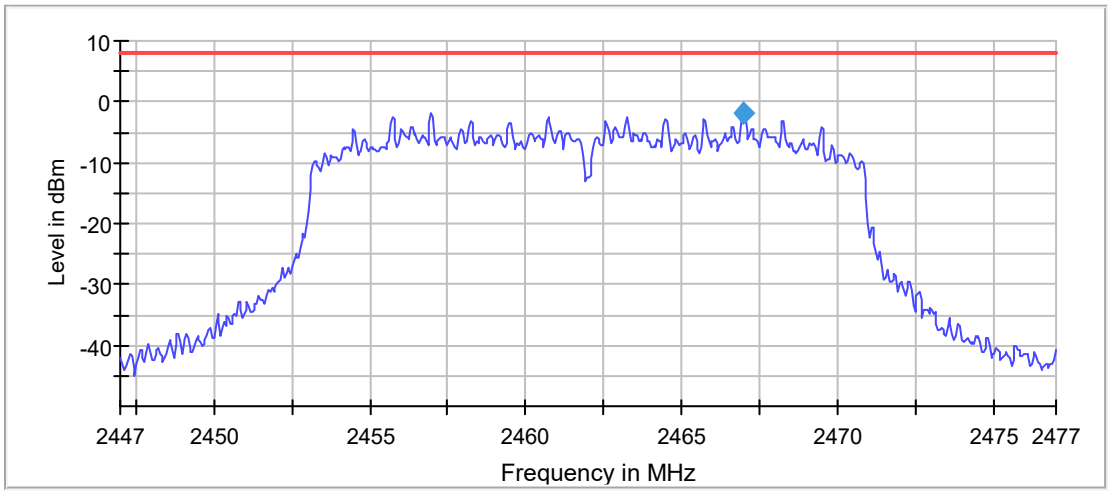
Peak Power Spectral Density



Peak Power Spectral Density

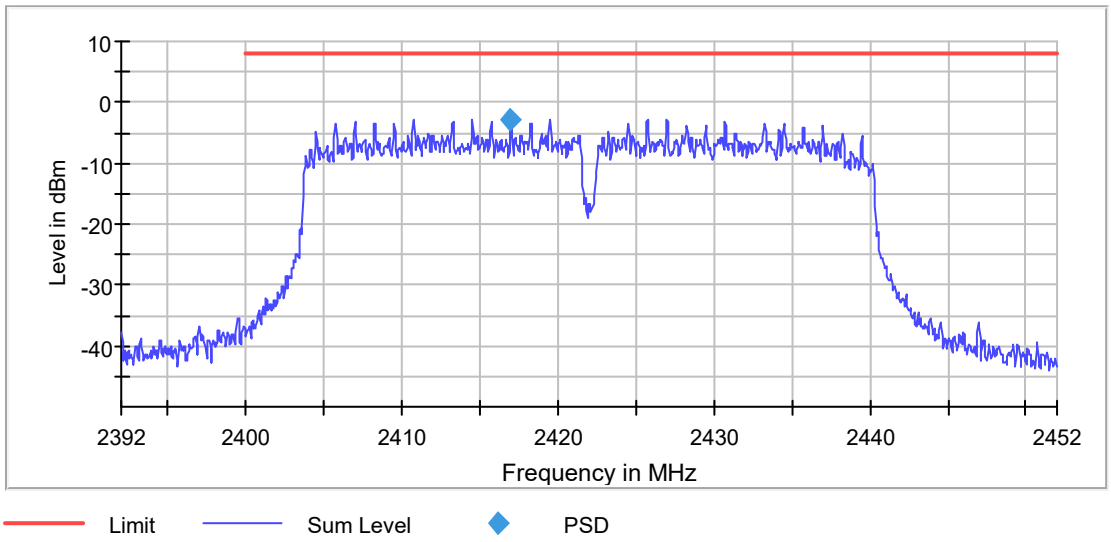


Peak Power Spectral Density

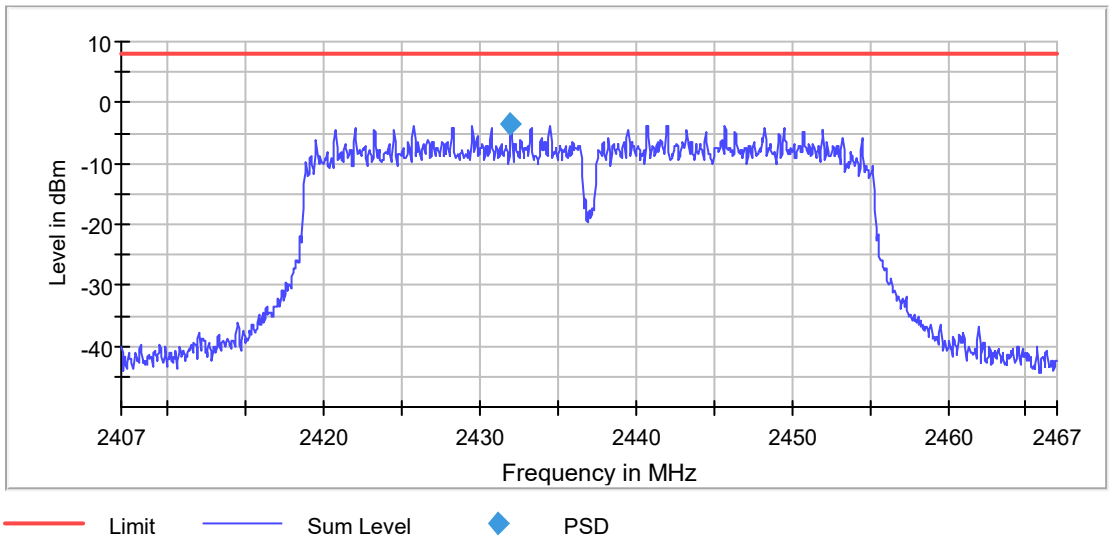


Data of IEEE 802.11 n40

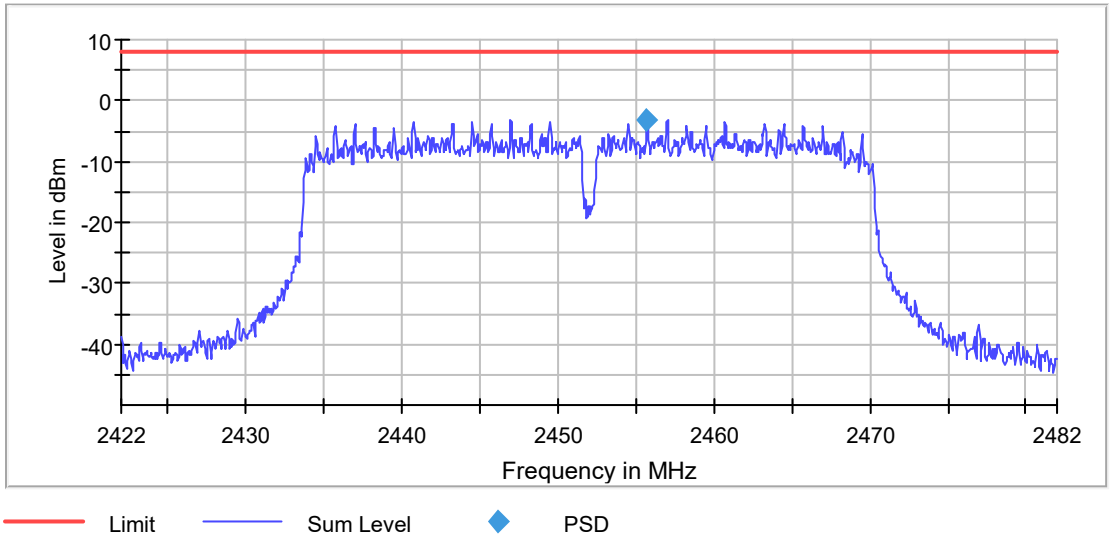
Peak Power Spectral Density



Peak Power Spectral Density

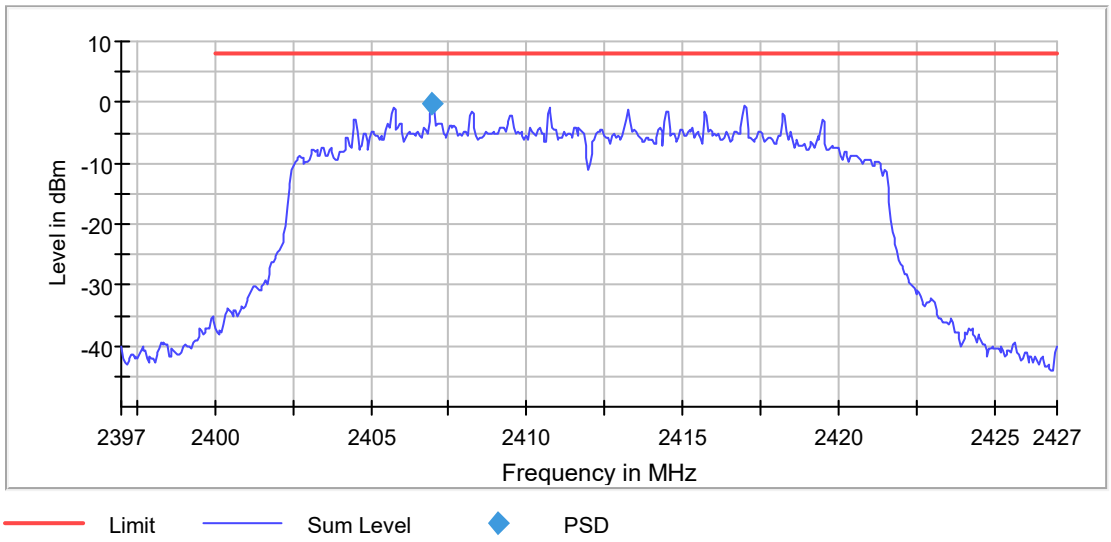


Peak Power Spectral Density

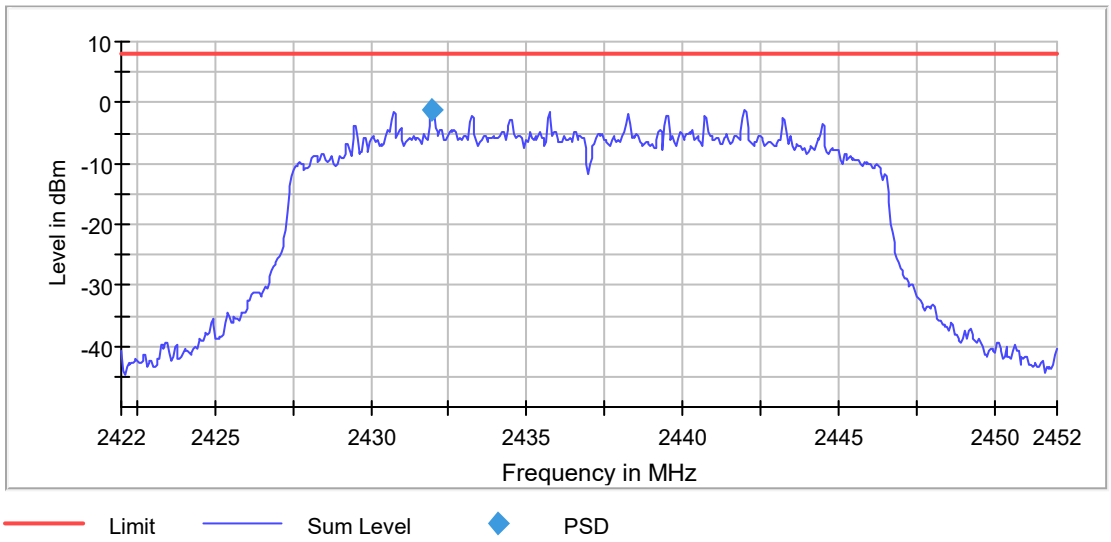


Data of IEEE 802.11 ax20

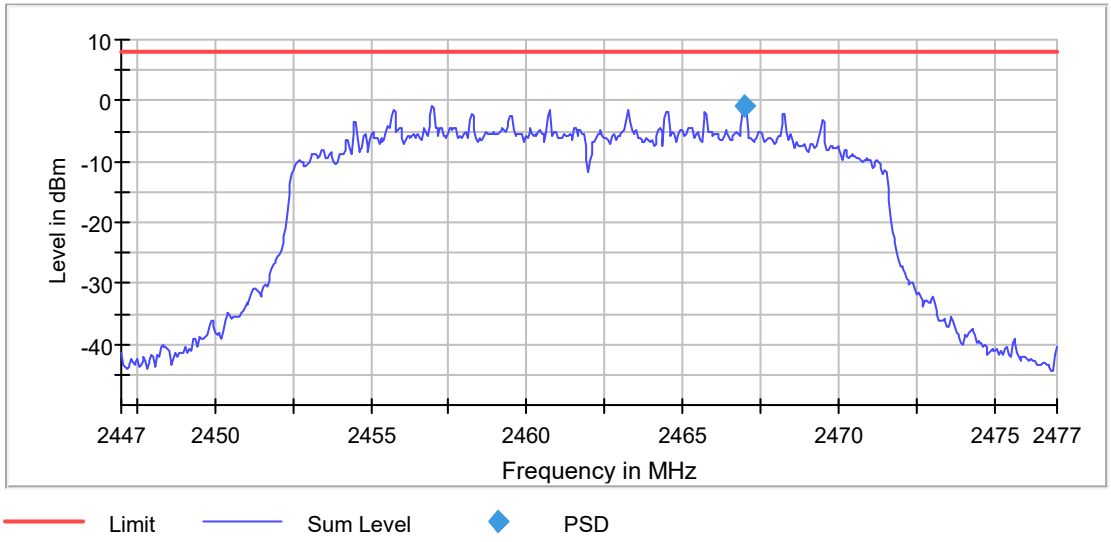
Peak Power Spectral Density



Peak Power Spectral Density

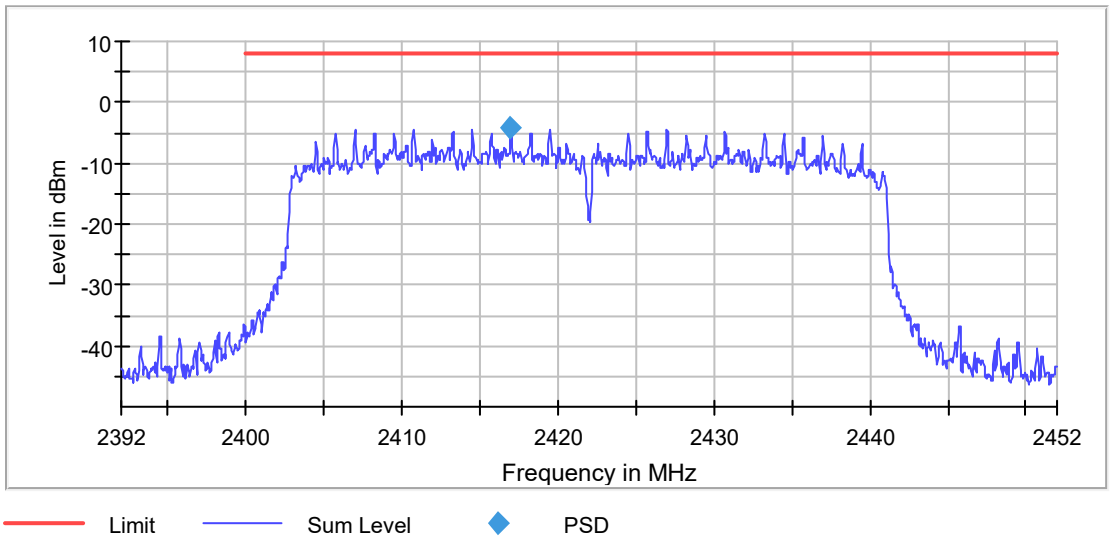


Peak Power Spectral Density

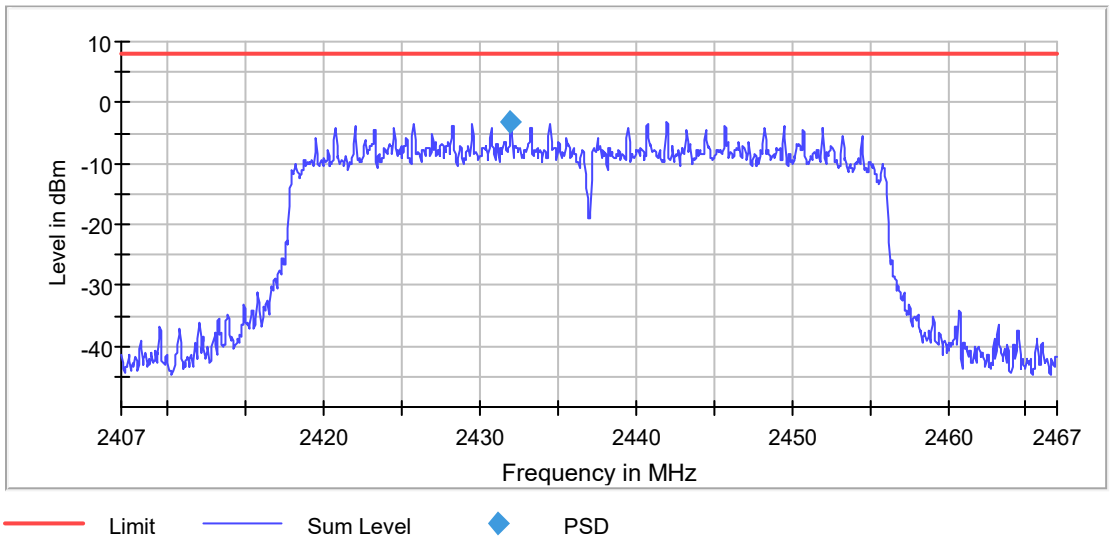


Data of IEEE 802.11 ax40

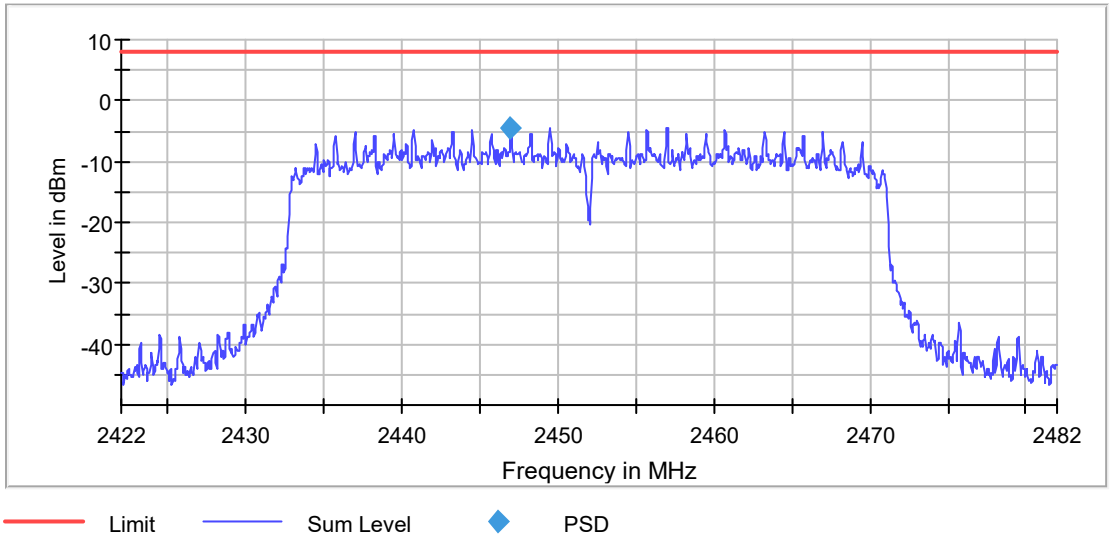
Peak Power Spectral Density



Peak Power Spectral Density



Peak Power Spectral Density



5 IDENTIFICATION OF THE EQUIPMENT UNDER TEST

The photographs show the tested device.

Refer to documents External photo and Internal photo.

ANNEX 1 – MEASUREMENT UNCERTAINTY

Test Item	Uncertainty
Occupied Channel Bandwidth	±0,7%
RF Output power, conducted	±0,6dB
Power Spectral Density, Conducted	±0,6dB
Unwanted Emissions, Conducted	±0.7dB
Spurious (30-1000MHz)	±4,4dB
Spurious (1-12,75GHz)	±4,4dB

ANNEX 2 - USED EQUIPMENT

For Continuous disturbances conducted (150 kHz to 30 MHz)

Instrumentation	Manufacturer	Model No.	Serial No.	DEKRA No.	Cal. Due date
Shielding Room	Changzhou Feite	/	/	G/L861	2024/05/31
EMI Receiver	R&S	ESCI	101206	G/L857	2024/07/02
LISN	R&S	ENV216	101337	G/L859	2024/07/02

For Radiated Emission (30MHz-1000MHz)

Instrumentation	Manufacturer	Model No.	Serial No.	DEKRA No.	Cal. Due date
3m Chamber	ETS	FACT3-2.0	CT000344-1100	G/L856	2024/06/04
EMI receiver	R&S	ESCI	101205	G/L858	2024/07/02
Antenna (30MHz-3GHz)	SCHWARZBECK	VULB9163	506	G/L864	2023/12/05
Antenna (30MHz-2GHz)	SCHWARZBECK	VULB9168	01229	GZ2018	2024/03/12
CMAD	TESEQ	CMAD 20B	49023	GZ1756	2024/09/08
CMAD	TESEQ	CMAD 20B	49024	GZ1757	2024/09/08
CMAD	TESEQ	CMAD 20B	49026	GZ1758	2024/09/08
CDNE	TESEQ	M310	48706	GZ1759	2024/09/07
CDNE	TESEQ	M210	540133	GZ1906	2024/05/07
Test software	AUDIX	e3	Version 6.130520	---	---

For Radiated Emission (1GHz-18GHz)

Instrumentation	Manufacturer	Model No.	Serial No.	DEKRA No.	Cal. Due date
3m Chamber	ETS	FACT3-2.0	CT000344-1100	G/L856	2024/06/04
Antenna (1GHz-18GHz)	R&S	HF907	102306	G/L1236	2024/04/10
Horn antenna preamplifier	Schwarzbeek	SCU-18	102234	G/L1236-1	2024/02/21
Antenna (1GHz-18GHz)	SCHWARZBECK	BBHA 9120D	02408	GZ2019	2024/01/16
Horn antenna preamplifier	EMC Instruments corporation	EMC051845 SE	980778	GZ2009	2023/12/04
Spectrum analyzer	R&S	FSV	SN101012	G/L1235	2024/01/09

FOR RF

Instrumentation	Manufacturer	Model	Serial no.	DEKRA No.	Cal Due date
Spectrum analyzer	R&S	FSV	SN101012	G/L1235	2024/01/09
Chamber	ETS	/	/	G/L856	2024/06/04
Horn antenna (1GHz-18GHz)	R&S	HF907	102306	G/L1236	2024/04/10
Horn antenna preamplifier	Schwarzbeek	SCU-18	102234	G/L1236-1	2024/02/21
Horn antenna (18GHz-26.5GHz)	ETS	3160-09	00164643	G/L1237	2024/01/09
Horn antenna preamplifier	/	SCU-26D	1879064	G/L1237-1	2024/01/08
EMI receiver	R&S	ESCI	101205	G/L857	2024/07/02
Antenna (30MHz-2GHz)	SCHWARZBECK	VULB9168	01229	GZ2018	2024/03/12
Antenna (30MHz-3GHz)	SCHWARZBECK	VULB9163	506	G/L864	2023/12/05
OSP	R&S	OSP 150	101907	GZ1894	2024/02/23
Signal generator	R&S	SMB 100A	181317	GZ1895	2024/02/23
Vector signal generator	R&S	SMBV100A	263671	GZ1896	2024/02/23
Wireless connectivity tester	R&S	CMW 270	100990	GZ1893	2024/02/23
Manual step attenuator (11dB)	Keysight	8494B	TH60074118	GZ2086	2024/07/07
Manual step attenuator (70dB)	Keysight	8495D	TH60074471	GZ2087	2024/07/07
Programmable Temperature & Humidity Chamber	ASTUOD	TT-5166	52689	GZ2209	2024/05/08
Test software	R&S	EMC32	---	---	Version 11.30.00

ANNEX 3 - TEST PHOTOS

Refer to document Test setup.

--- END ---