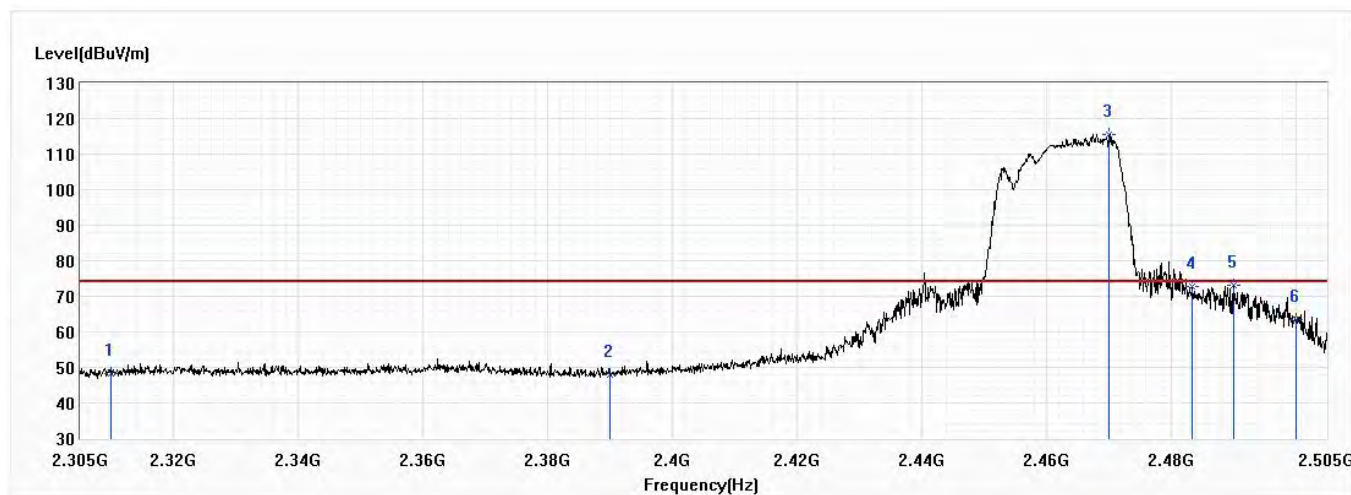


Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax, Ch 11, 2.462G, BW20M	Humidity (%RH)	58.0

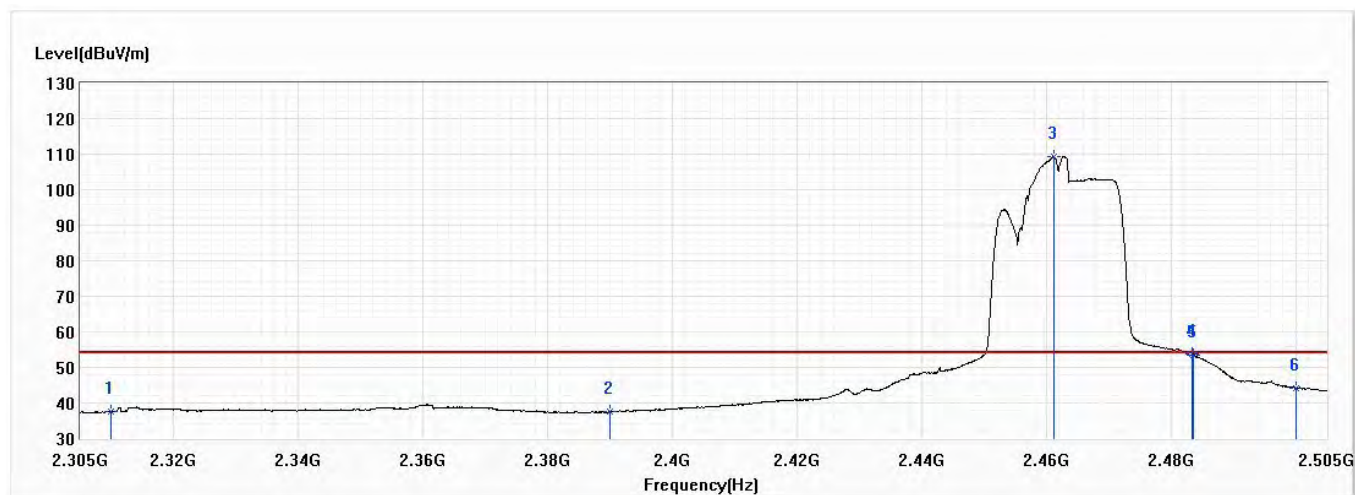


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	48.29	74.00	-25.71	35.14	13.15	PK
2	2390.000	47.83	74.00	-26.17	34.13	13.70	PK
! 3	2470.000	115.67	74.00	41.67	101.40	14.27	PK
4	2483.500	72.82	74.00	-1.18	58.46	14.36	PK
5	2490.100	73.02	74.00	-0.98	58.62	14.40	PK
6	2500.000	63.35	74.00	-10.65	48.87	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax, Ch 11, 2.462G, BW20M	Humidity (%RH)	58.0

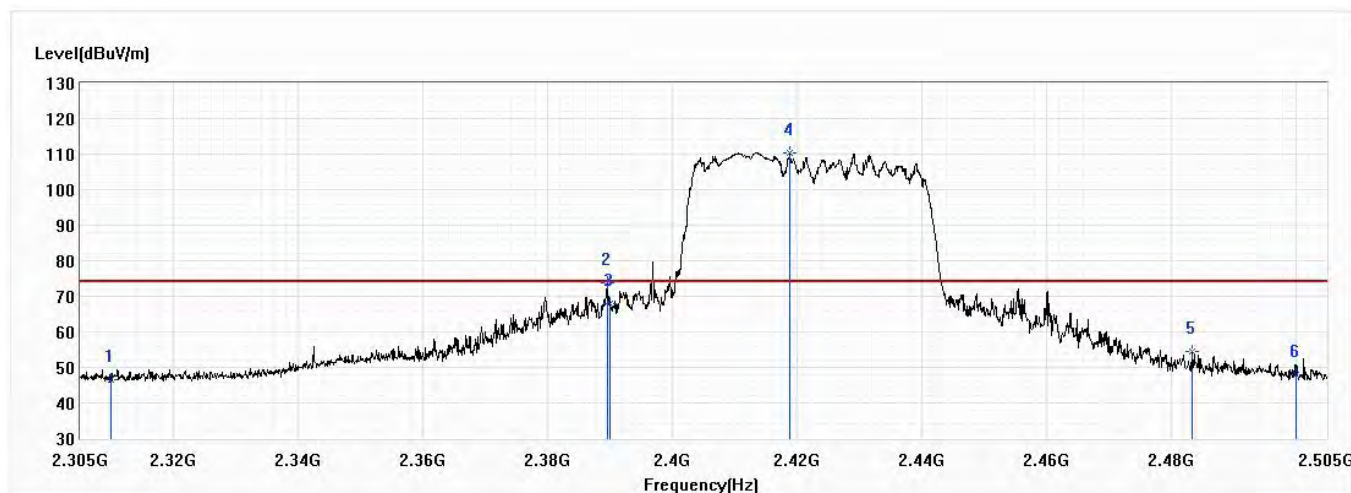


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	37.50	54.00	-16.50	24.35	13.15	AV
2	2390.000	37.50	54.00	-16.50	23.80	13.70	AV
! 3	2461.200	109.39	54.00	55.39	95.18	14.21	AV
4	2483.500	53.74	54.00	-0.26	39.38	14.36	AV
5	2483.700	53.53	54.00	-0.47	39.17	14.36	AV
6	2500.000	44.18	54.00	-9.82	29.70	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 3,2.422G,BW40M	Humidity (%RH)	58.0

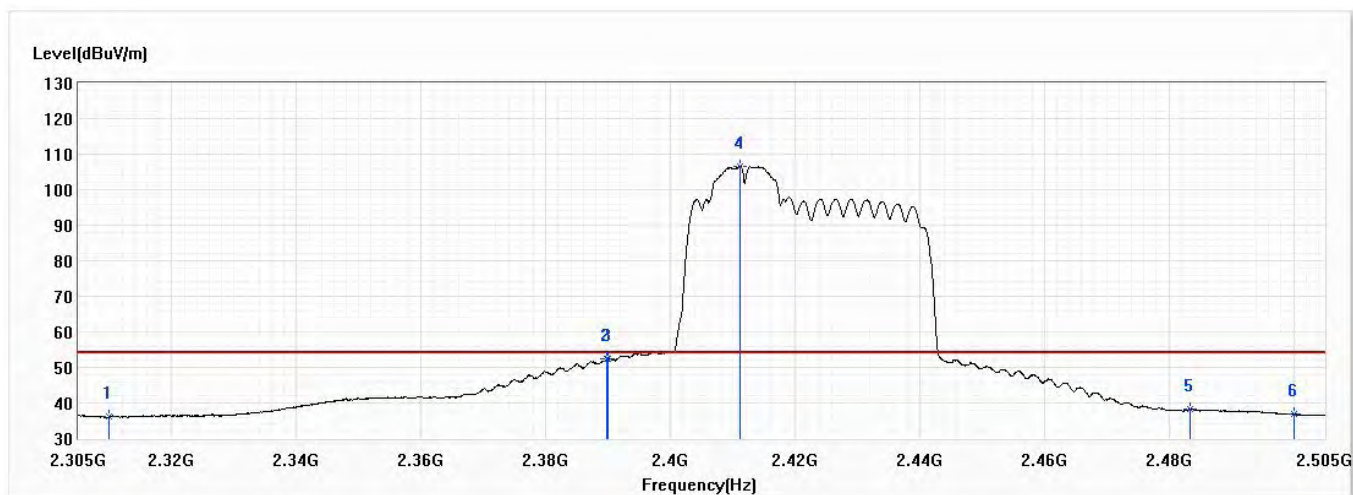


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	46.67	74.00	-27.33	33.52	13.15	PK
2	2389.500	73.77	74.00	-0.23	60.07	13.70	PK
3	2390.000	67.77	74.00	-6.23	54.07	13.70	PK
! 4	2418.900	110.35	74.00	36.35	96.44	13.91	PK
5	2483.500	54.42	74.00	-19.58	40.06	14.36	PK
6	2500.000	47.98	74.00	-26.02	33.50	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 3,2.422G,BW40M	Humidity (%RH)	58.0

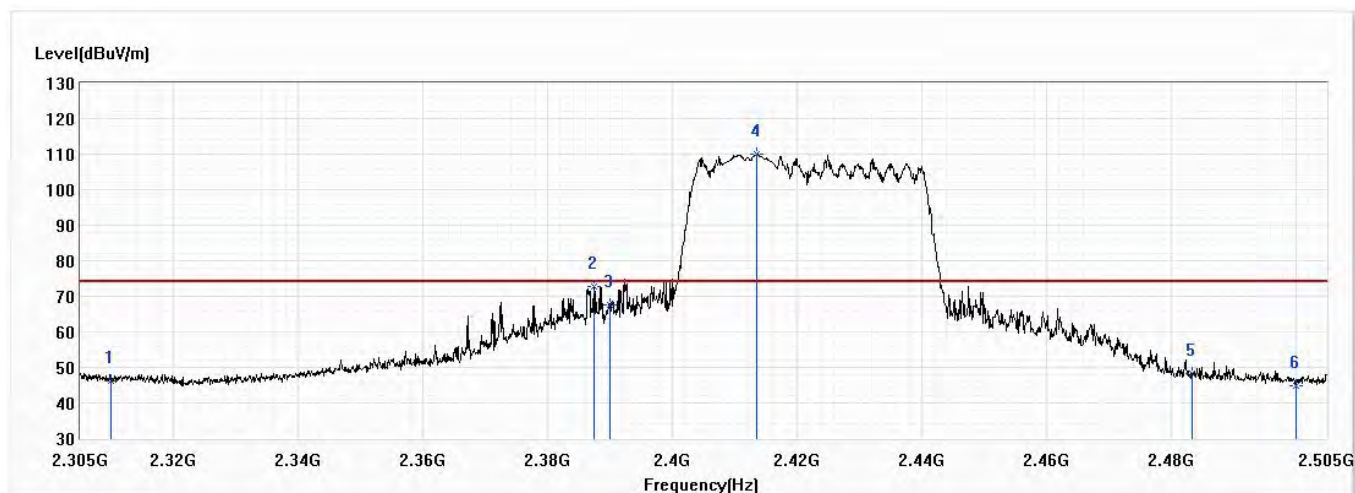


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	36.06	54.00	-17.94	22.91	13.15	AV
2	2389.700	52.39	54.00	-1.61	38.69	13.70	AV
3	2390.000	52.27	54.00	-1.73	38.57	13.70	AV
! 4	2411.200	106.71	54.00	52.71	92.86	13.85	AV
5	2483.500	38.24	54.00	-15.76	23.88	14.36	AV
6	2500.000	36.97	54.00	-17.03	22.49	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax, Ch 3, 2.422G, BW40M	Humidity (%RH)	58.0

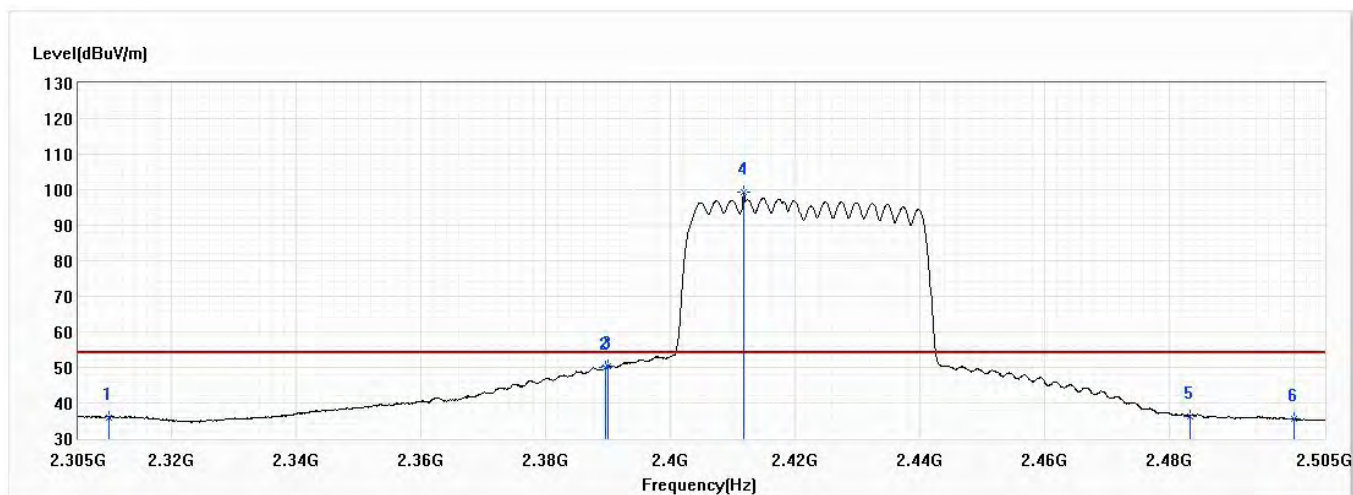


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	46.19	74.00	-27.81	33.04	13.15	PK
2	2387.400	72.84	74.00	-1.16	59.15	13.69	PK
3	2390.000	67.53	74.00	-6.47	53.83	13.70	PK
! 4	2413.500	110.00	74.00	36.00	96.13	13.87	PK
5	2483.500	48.37	74.00	-25.63	34.01	14.36	PK
6	2500.000	44.80	74.00	-29.20	30.32	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 3,2.422G,BW40M	Humidity (%RH)	58.0

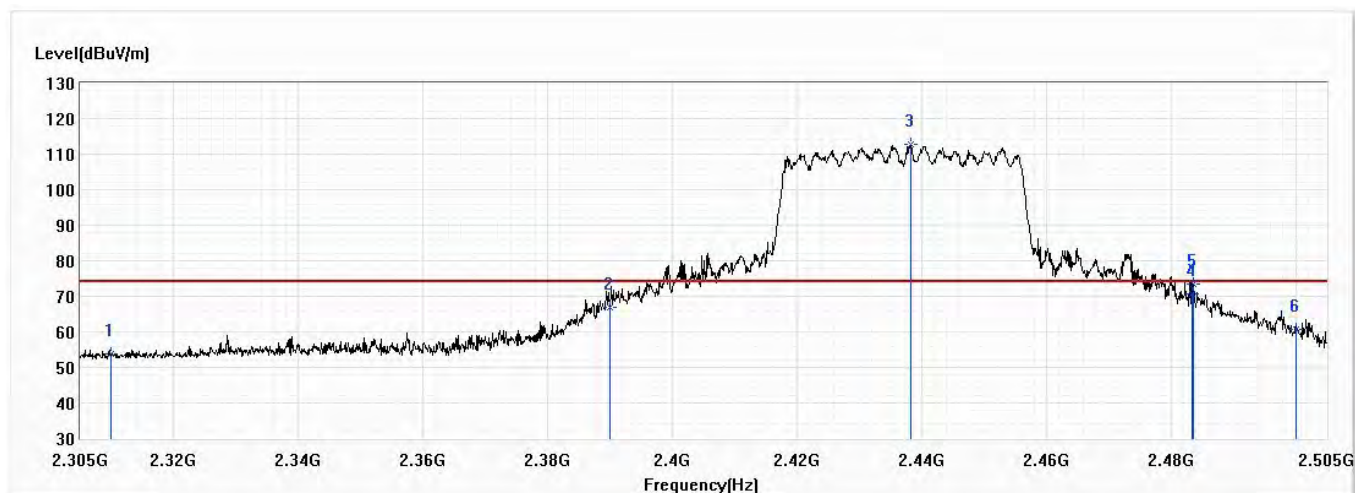


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	36.00	54.00	-18.00	22.85	13.15	AV
2	2389.500	49.94	54.00	-4.06	36.24	13.70	AV
3	2390.000	50.30	54.00	-3.70	36.60	13.70	AV
! 4	2411.800	99.44	54.00	45.44	85.58	13.86	AV
5	2483.500	36.37	54.00	-17.63	22.01	14.36	AV
6	2500.000	35.46	54.00	-18.54	20.98	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 6,2.437G,BW40M	Humidity (%RH)	58.0

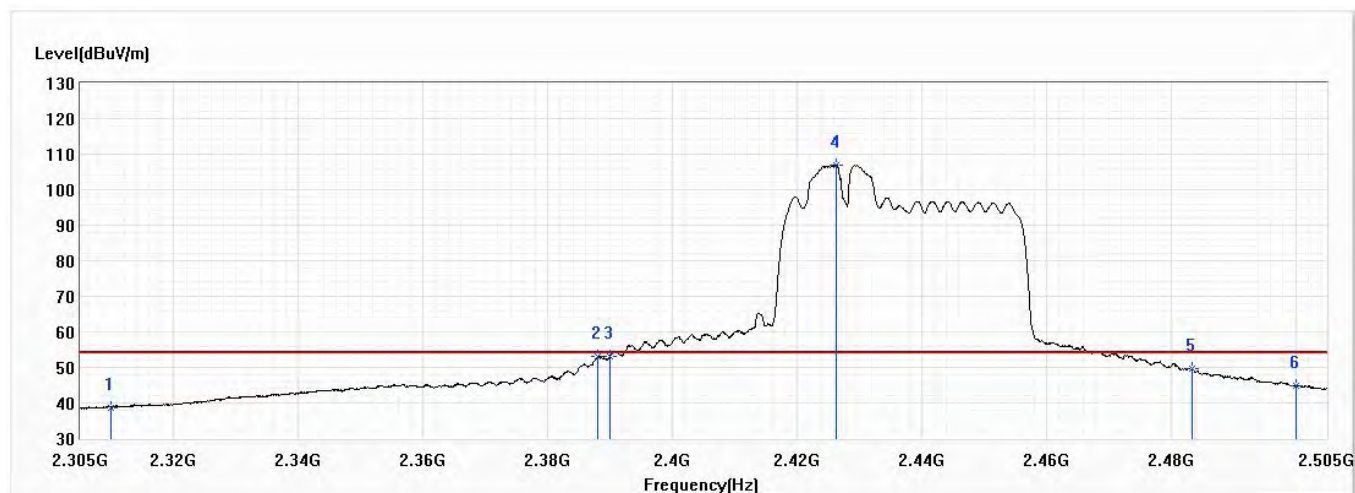


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	53.77	74.00	-20.23	40.62	13.15	PK
2	2390.000	67.00	74.00	-7.00	53.30	13.70	PK
! 3	2438.200	112.67	74.00	38.67	98.62	14.05	PK
4	2483.500	70.56	74.00	-3.44	56.20	14.36	PK
5	2483.600	73.50	74.00	-0.50	59.14	14.36	PK
6	2500.000	60.58	74.00	-13.42	46.10	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax, Ch 6, 2.437G, BW40M	Humidity (%RH)	58.0

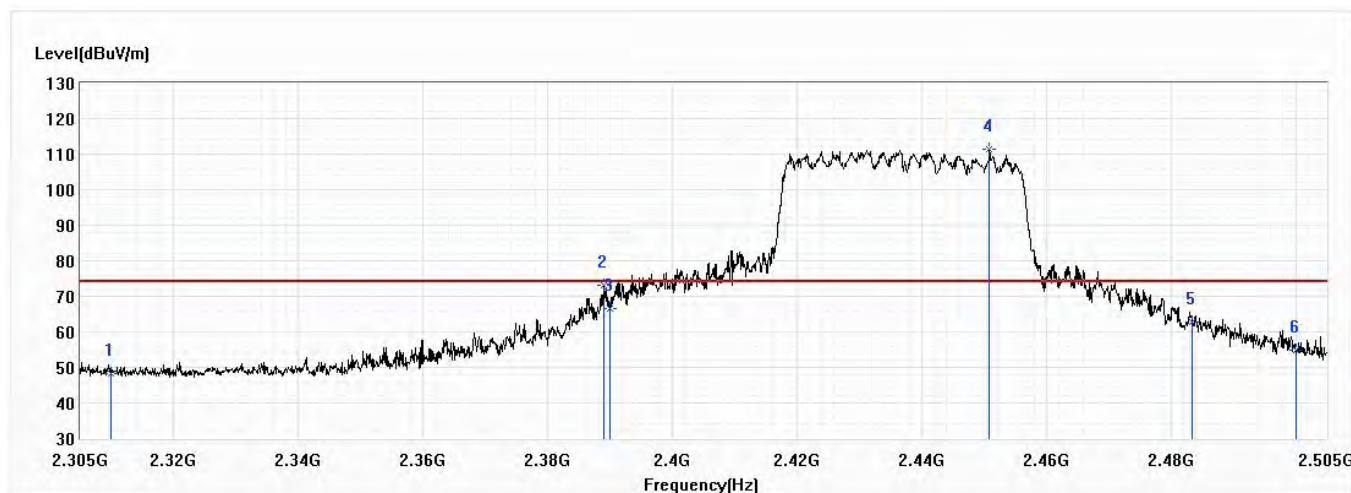


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	38.77	54.00	-15.23	25.62	13.15	AV
2	2388.100	53.25	54.00	-0.75	39.55	13.70	AV
3	2390.000	53.20	54.00	-0.80	39.50	13.70	AV
! 4	2426.200	107.04	54.00	53.04	93.08	13.96	AV
5	2483.500	49.52	54.00	-4.48	35.16	14.36	AV
6	2500.000	44.81	54.00	-9.19	30.33	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

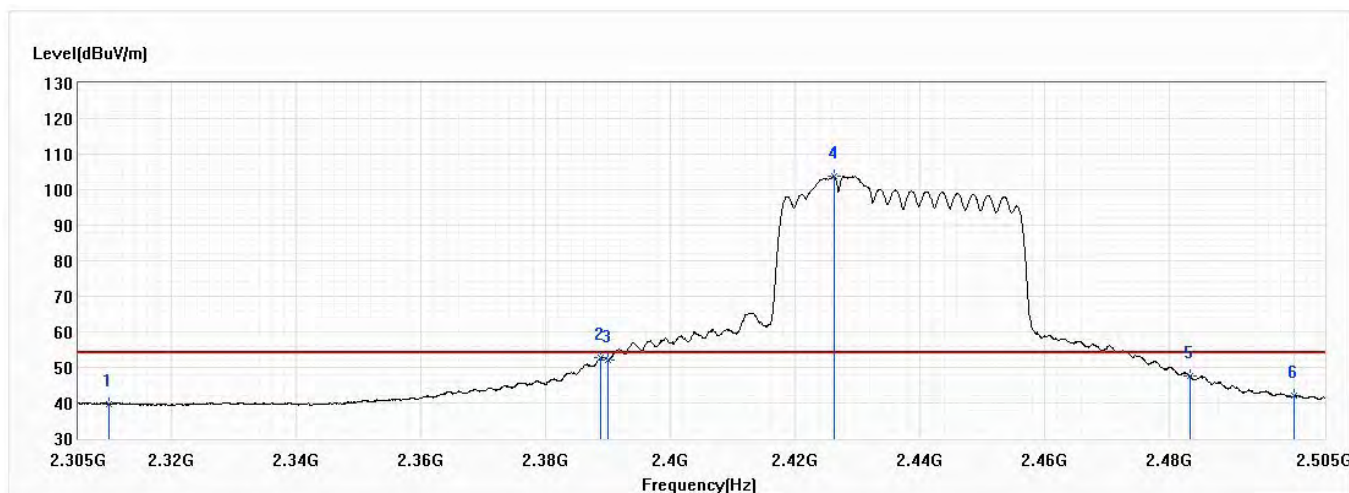
Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 6,2.437G,BW40M	Humidity (%RH)	58.0



Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax,Ch 6,2.437G,BW40M	Humidity (%RH)	58.0

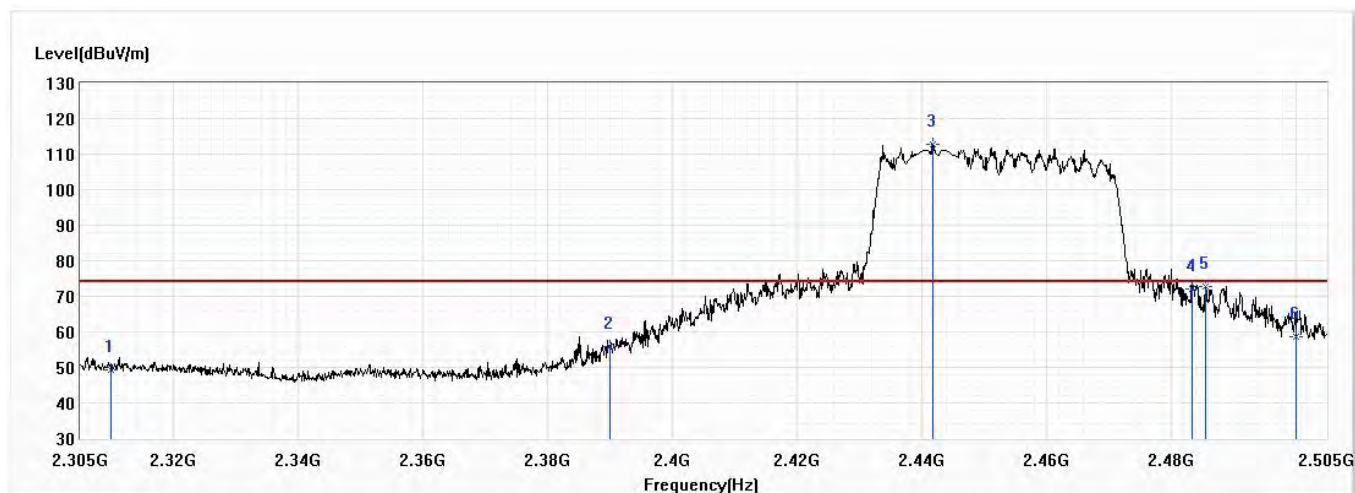


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	39.65	54.00	-14.35	26.50	13.15	AV
2	2388.800	52.69	54.00	-1.31	38.99	13.70	AV
3	2390.000	52.10	54.00	-1.90	38.40	13.70	AV
! 4	2426.200	103.69	54.00	49.69	89.73	13.96	AV
5	2483.500	47.60	54.00	-6.40	33.24	14.36	AV
6	2500.000	42.06	54.00	-11.94	27.58	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax, Ch 9, 2.462G, BW40M	Humidity (%RH)	58.0

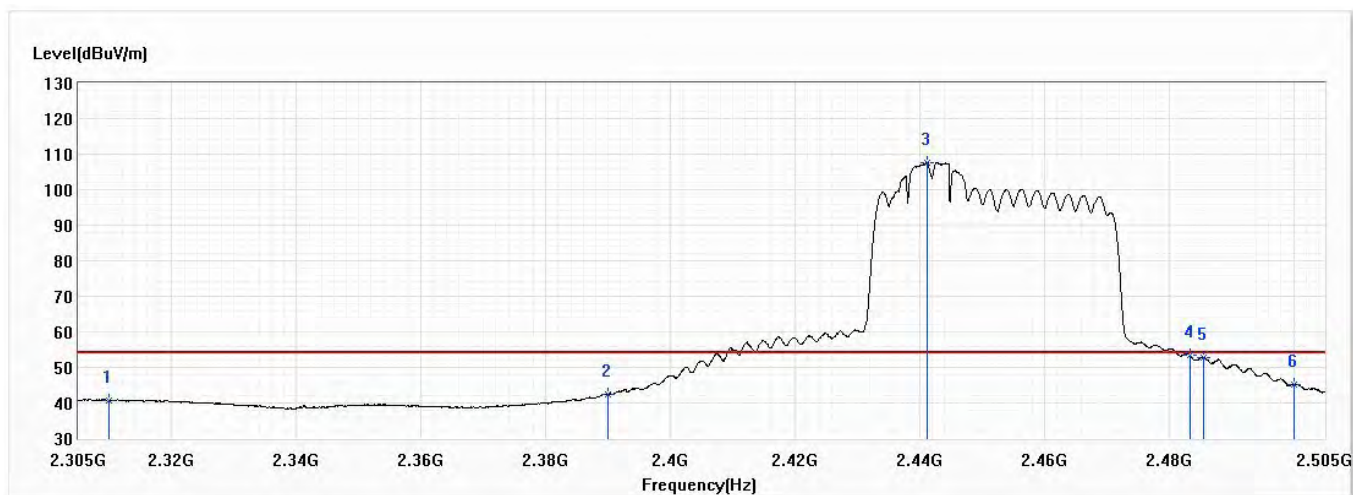


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	49.41	74.00	-24.59	36.26	13.15	PK
2	2390.000	56.00	74.00	-18.00	42.30	13.70	PK
! 3	2441.800	112.74	74.00	38.74	98.67	14.07	PK
4	2483.500	71.90	74.00	-2.10	57.54	14.36	PK
5	2485.500	72.70	74.00	-1.30	58.32	14.38	PK
6	2500.000	58.45	74.00	-15.55	43.97	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Horizontal	Temperature (°C)	22.5
Test Condition	802.11ax, Ch 9, 2.462G, BW40M	Humidity (%RH)	58.0

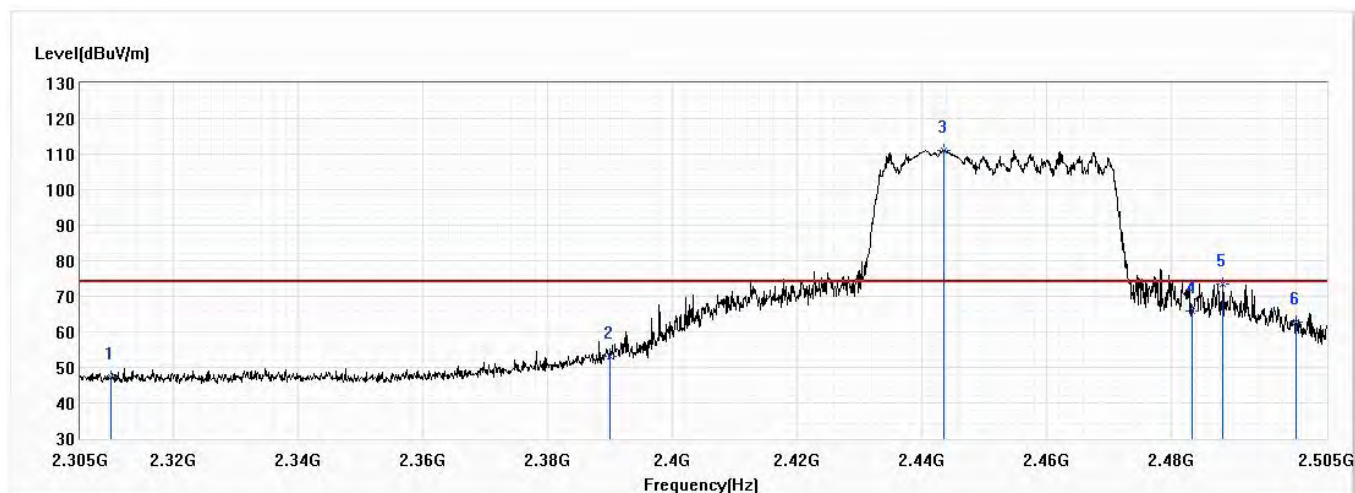


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	40.70	54.00	-13.30	27.55	13.15	AV
2	2390.000	42.43	54.00	-11.57	28.73	13.70	AV
! 3	2441.200	107.63	54.00	53.63	93.57	14.06	AV
4	2483.500	53.30	54.00	-0.70	38.94	14.36	AV
5	2485.600	52.88	54.00	-1.12	38.50	14.38	AV
6	2500.000	45.04	54.00	-8.96	30.56	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax, Ch 9, 2.462G, BW40M	Humidity (%RH)	58.0

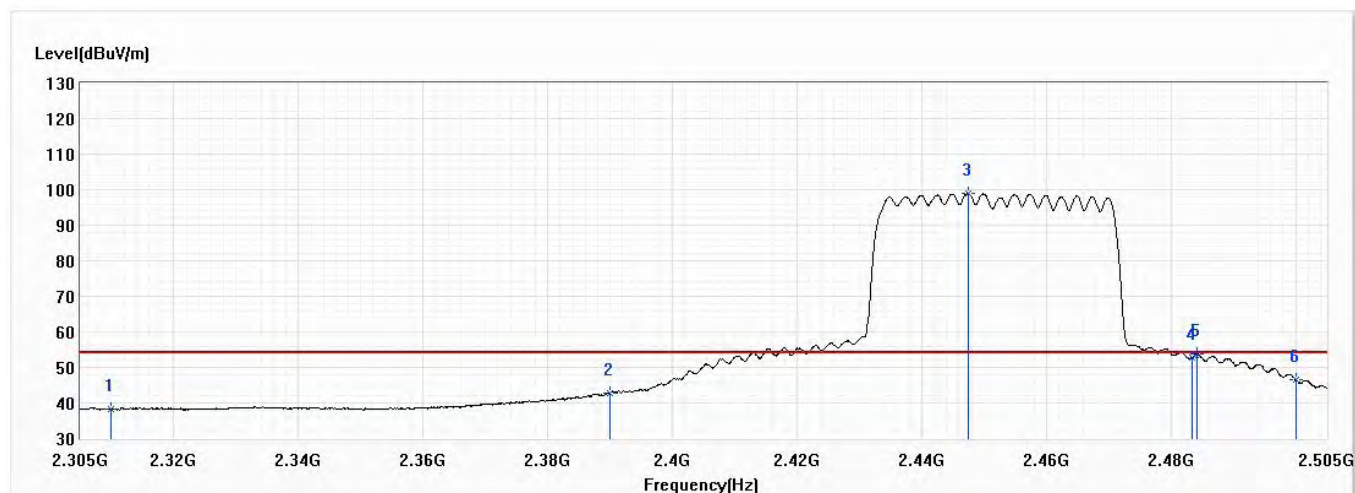


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	47.08	74.00	-26.92	33.93	13.15	PK
2	2390.000	53.24	74.00	-20.76	39.54	13.70	PK
! 3	2443.500	111.04	74.00	37.04	96.95	14.09	PK
4	2483.500	65.83	74.00	-8.17	51.47	14.36	PK
5	2488.400	73.31	74.00	-0.69	58.91	14.40	PK
6	2500.000	62.70	74.00	-11.30	48.22	14.48	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

Model No	EBM552U	Site	CB2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/2/5
Test Mode	Mode 3: Transmit_BF	Engineer	Scott Chang
Polarity	Vertical	Temperature (°C)	22.5
Test Condition	802.11ax, Ch 9, 2.462G, BW40M	Humidity (%RH)	58.0



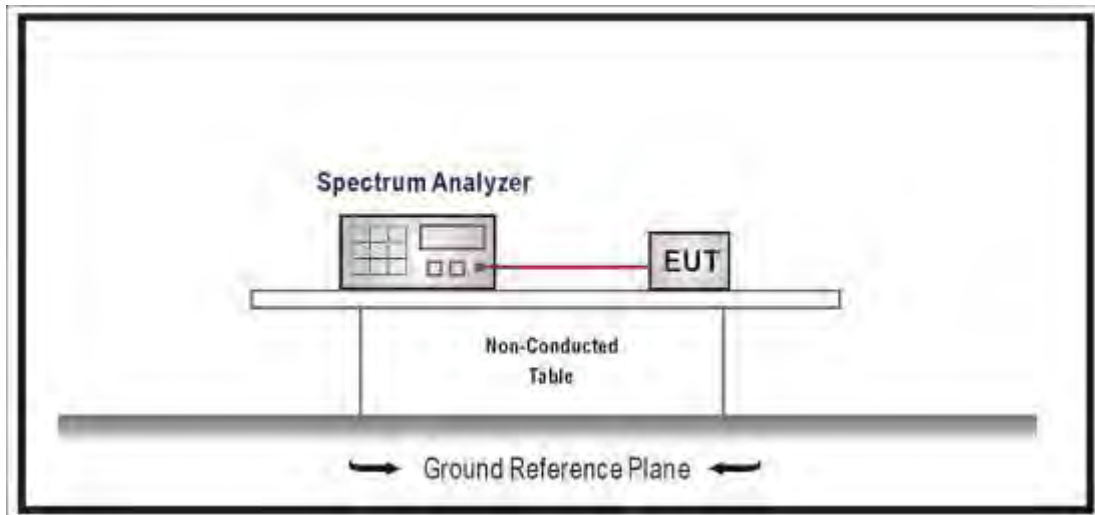
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	2310.000	38.28	54.00	-15.72	25.13	13.15	AV
2	2390.000	42.75	54.00	-11.25	29.05	13.70	AV
! 3	2447.400	98.93	54.00	44.93	84.82	14.11	AV
4	2483.500	52.77	54.00	-1.23	38.41	14.36	AV
5	2484.200	53.85	54.00	-0.15	39.49	14.36	AV
6	2500.000	46.48	54.00	-7.52	32.00	14.48	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
4. The fundamental for reference only, it's not restricted by unwanted emission limit.

7. DTS Bandwidth

7.1. Test Setup



7.2. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested procedure section 8.1 of KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100KHz, Set the VBW $\geq 3 \times$ RBW, Sweep Time=Auto, Set Peak Detector.

7.3. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.4. Test Specification

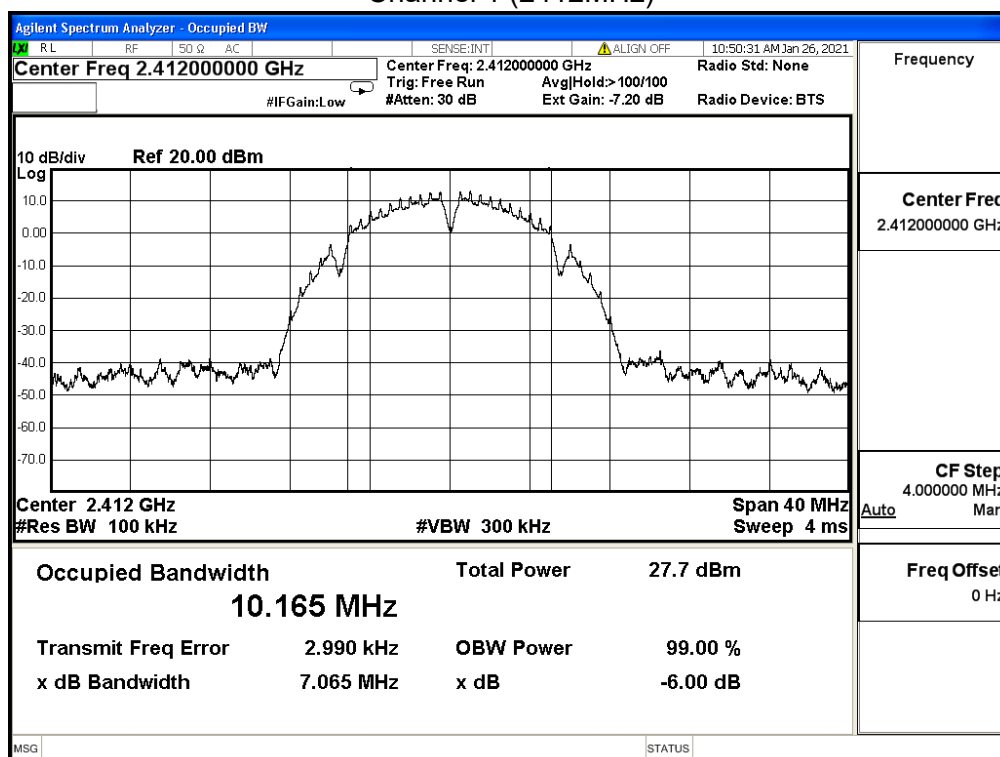
According to FCC Part 15 Subpart C Paragraph 15.247: 2019

7.5. Test Result

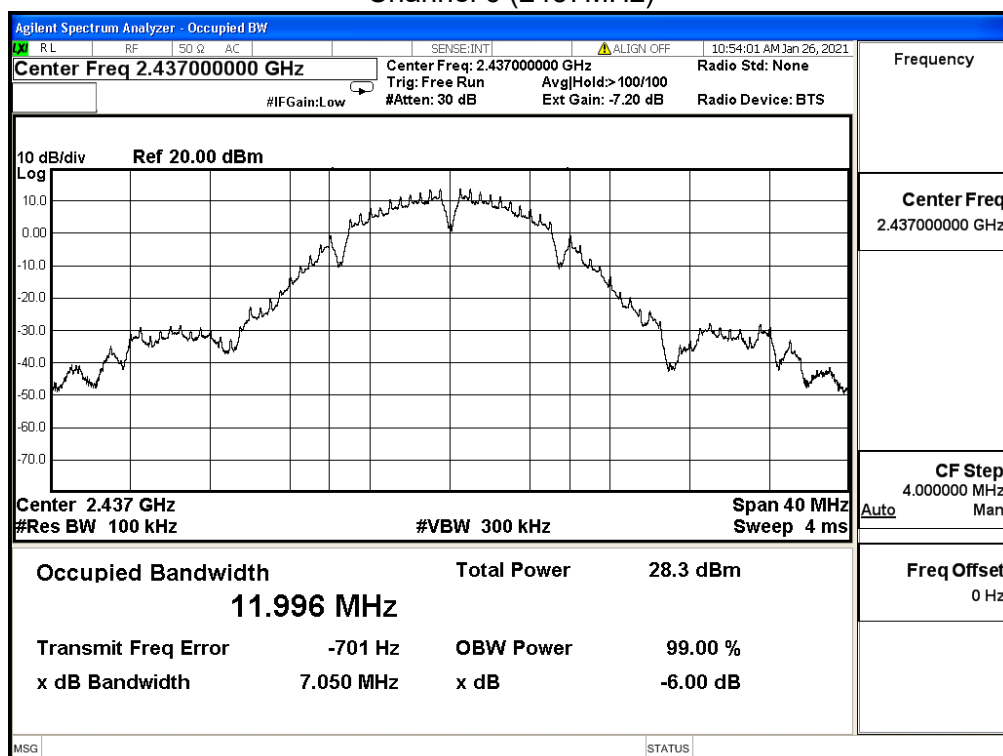
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	66.0

802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	7.065	≥ 0.5	Pass
6	2437	7.050	≥ 0.5	Pass
11	2462	6.552	≥ 0.5	Pass

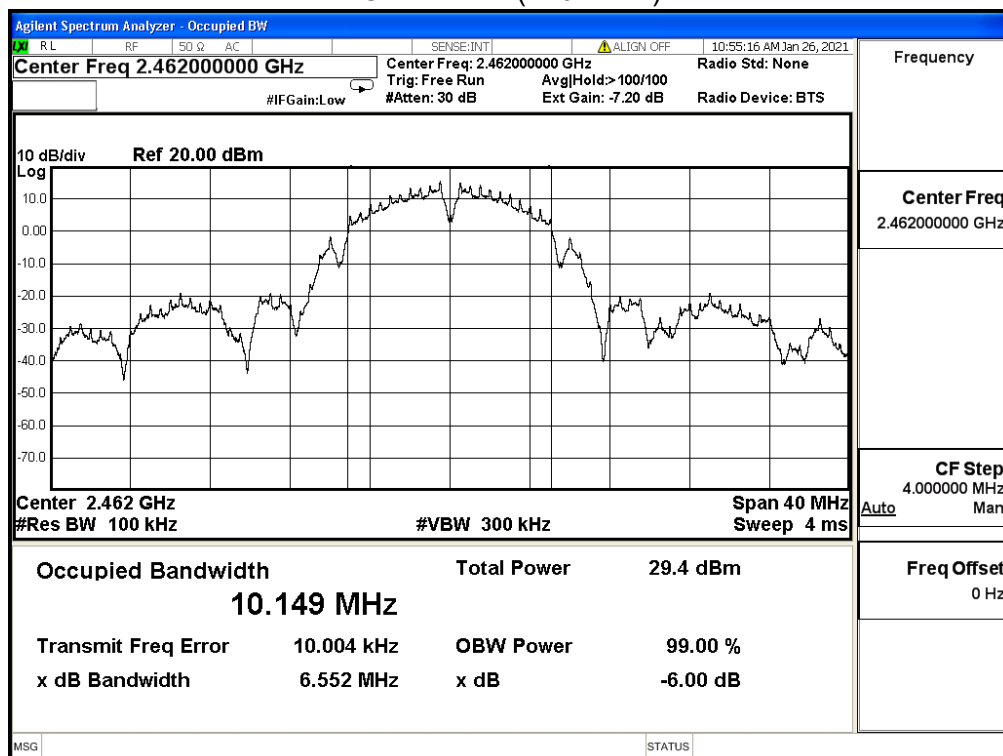
Channel 1 (2412MHz)



Channel 6 (2437MHz)



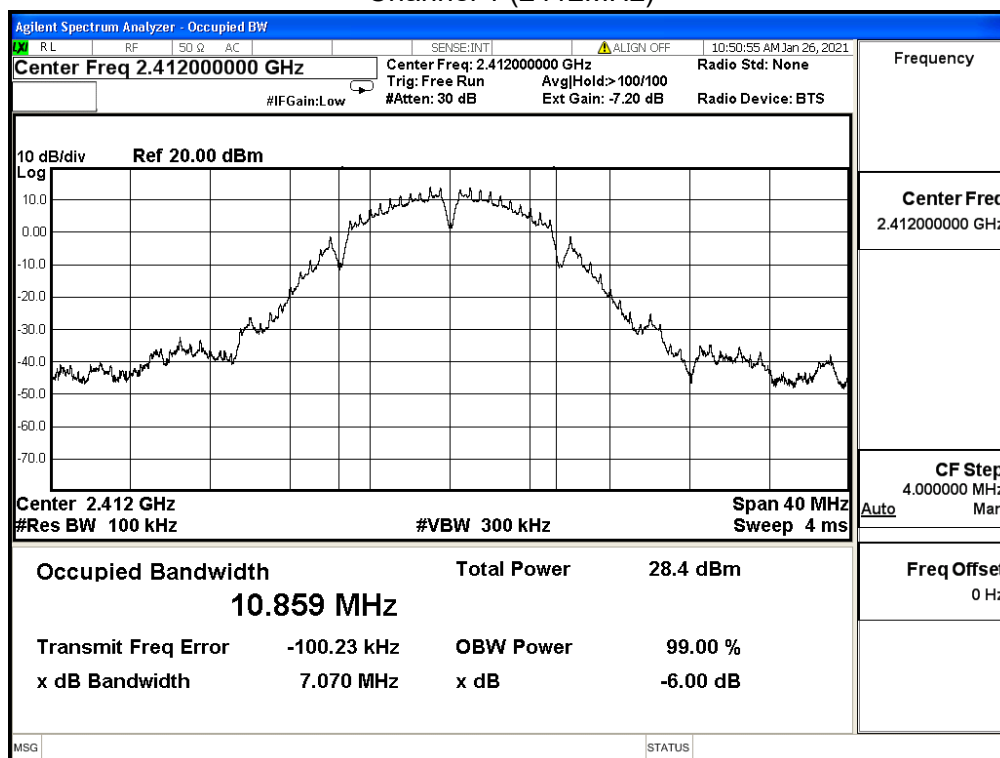
Channel 11 (2462MHz)



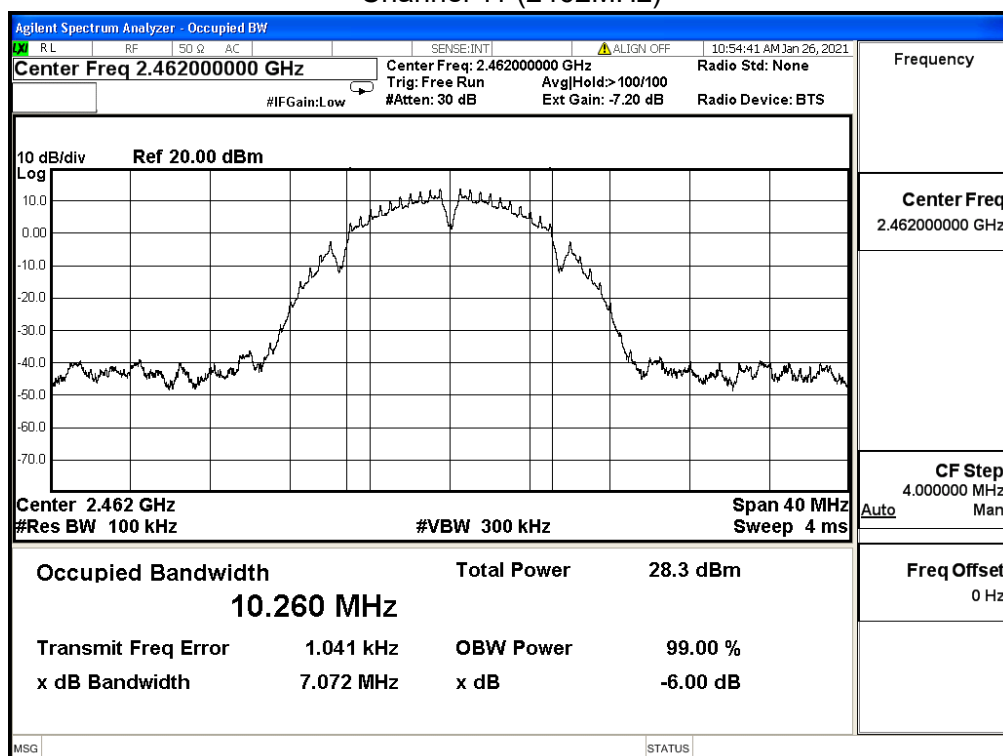
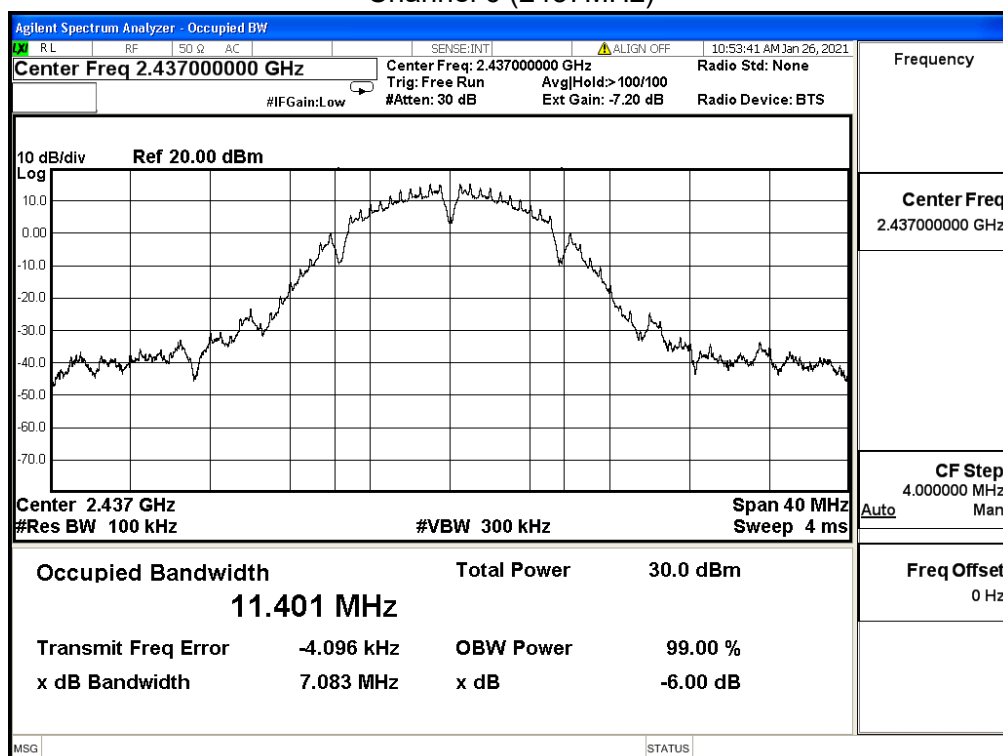
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	66.0

802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	7.070	≥ 0.5	Pass
6	2437	7.083	≥ 0.5	Pass
11	2462	7.072	≥ 0.5	Pass

Channel 1 (2412MHz)



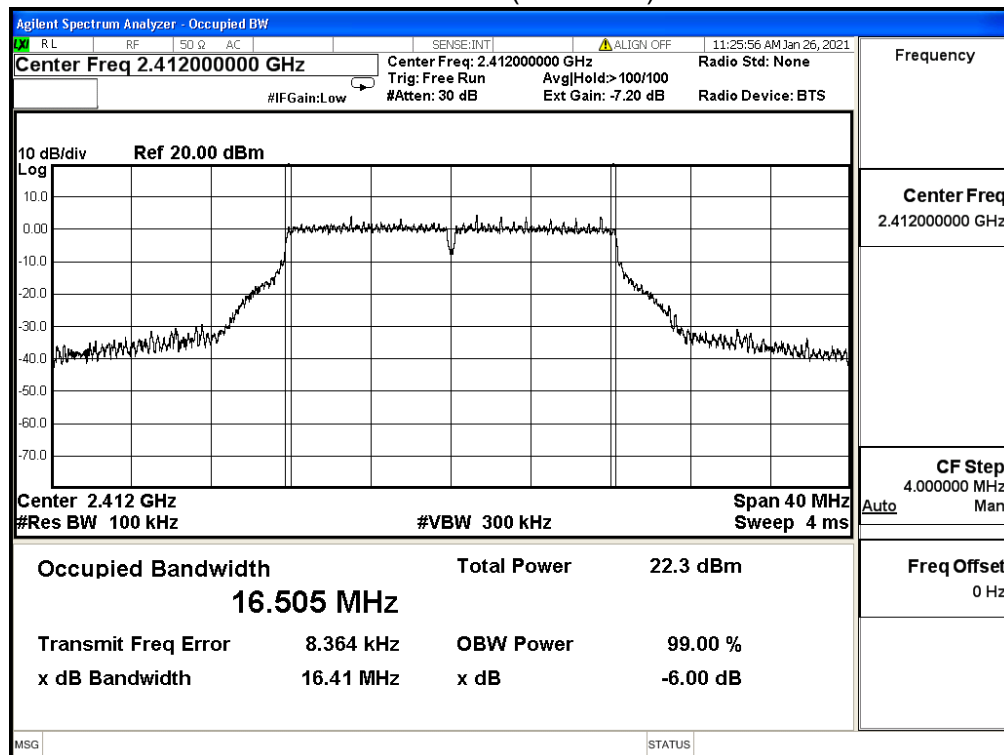
Channel 11 (2462MHz)



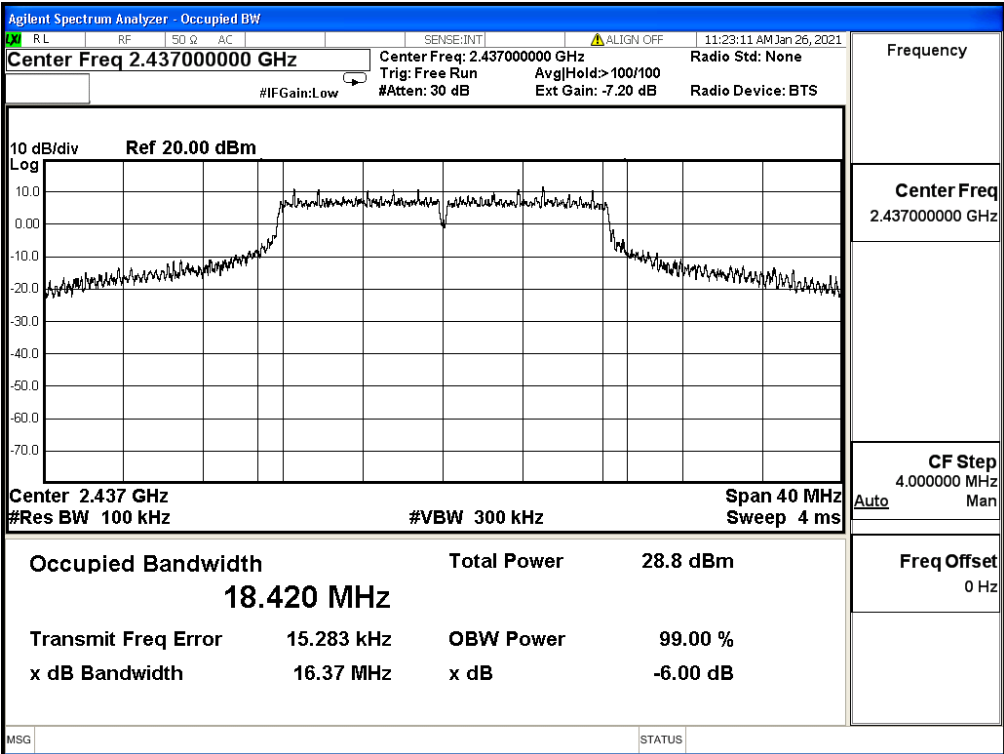
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	66.0

802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.410	≥ 0.5	Pass
6	2437	16.370	≥ 0.5	Pass
11	2462	16.380	≥ 0.5	Pass

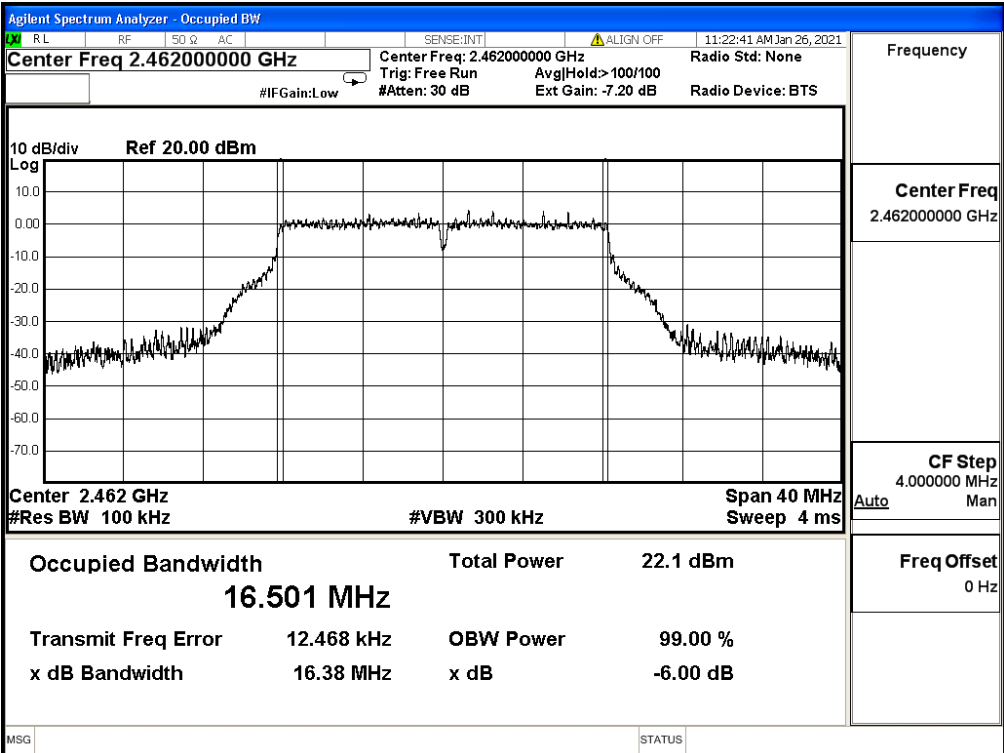
Channel 1 (2412MHz)



Channel 6 (2437MHz)



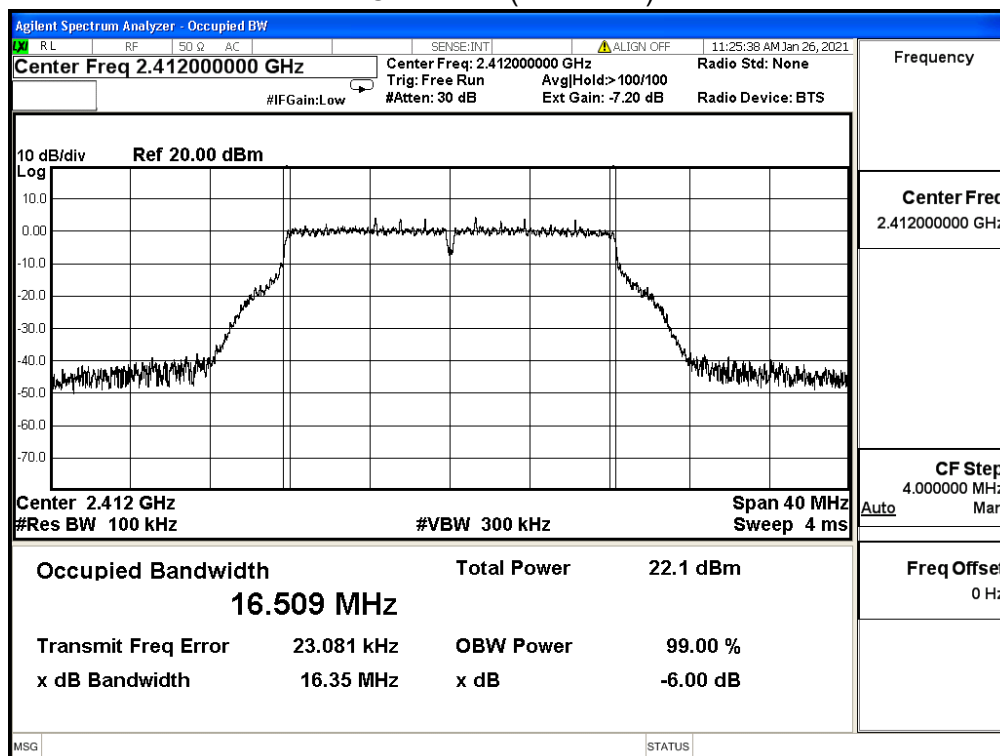
Channel 11 (2462MHz)



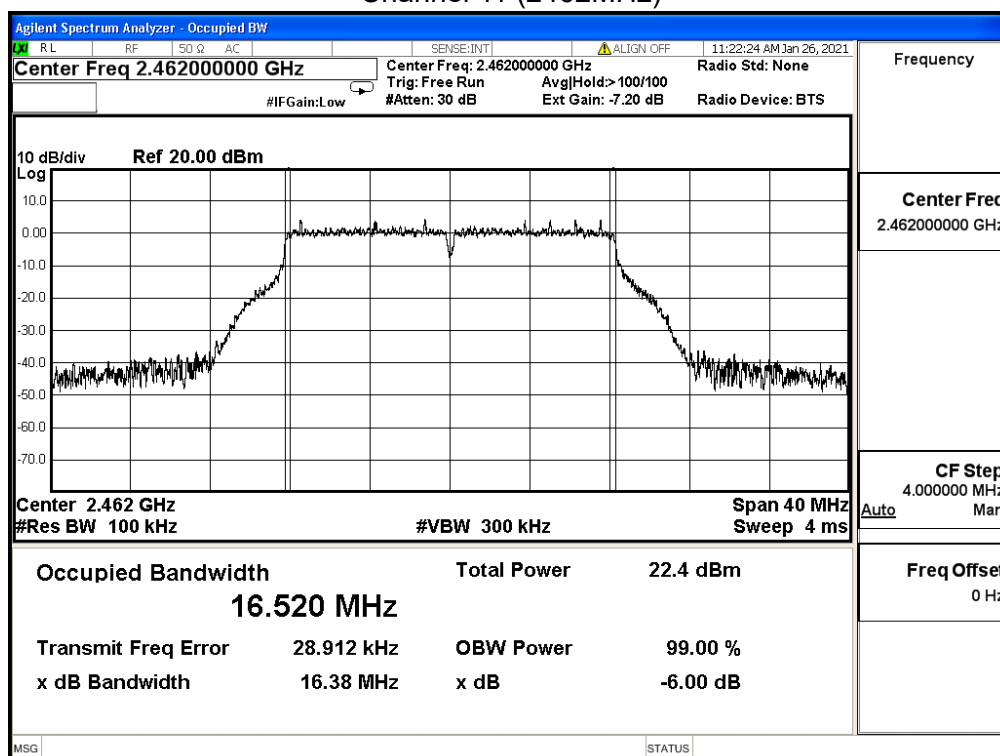
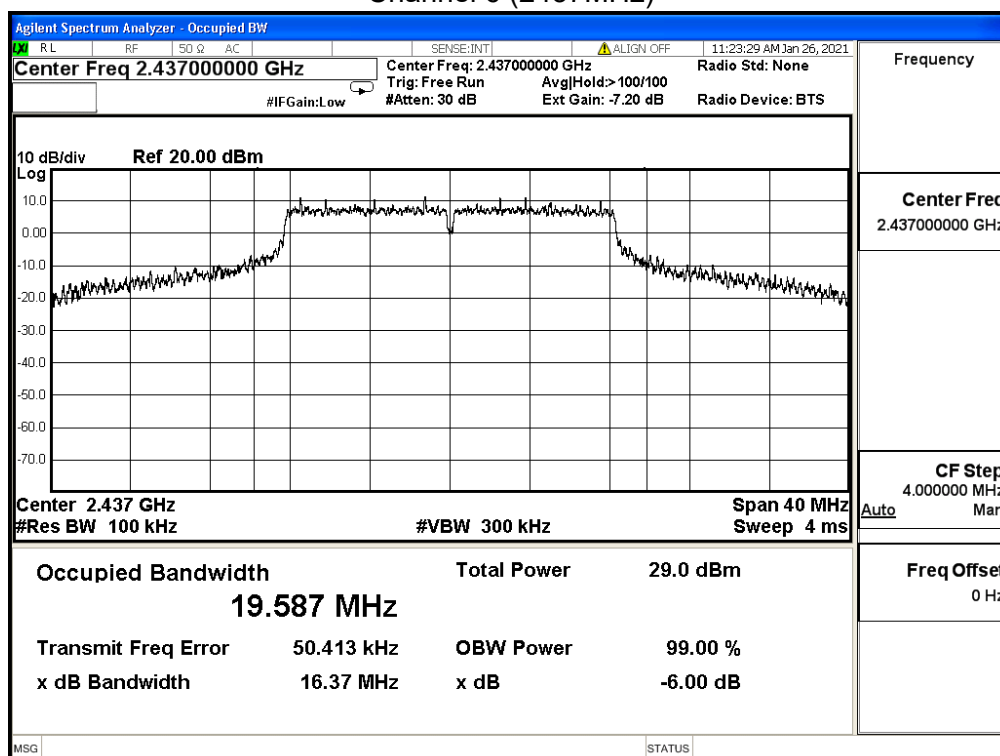
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	66.0

802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.350	≥ 0.5	Pass
6	2437	16.370	≥ 0.5	Pass
11	2462	16.380	≥ 0.5	Pass

Channel 1 (2412MHz)



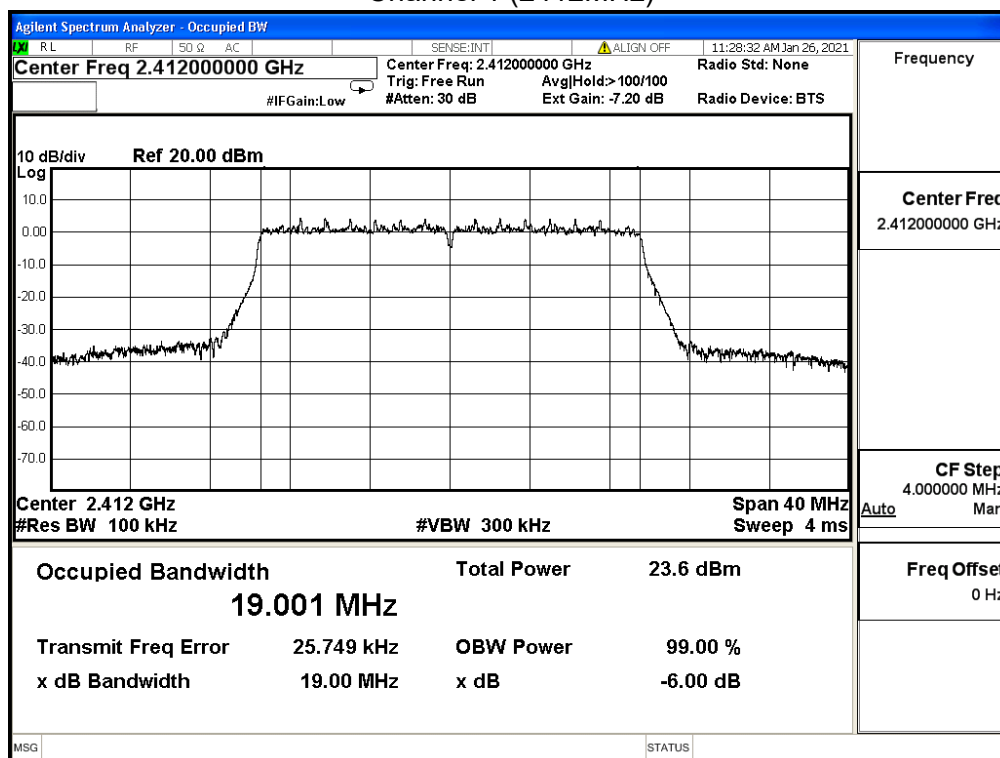
Channel 11 (2462MHz)



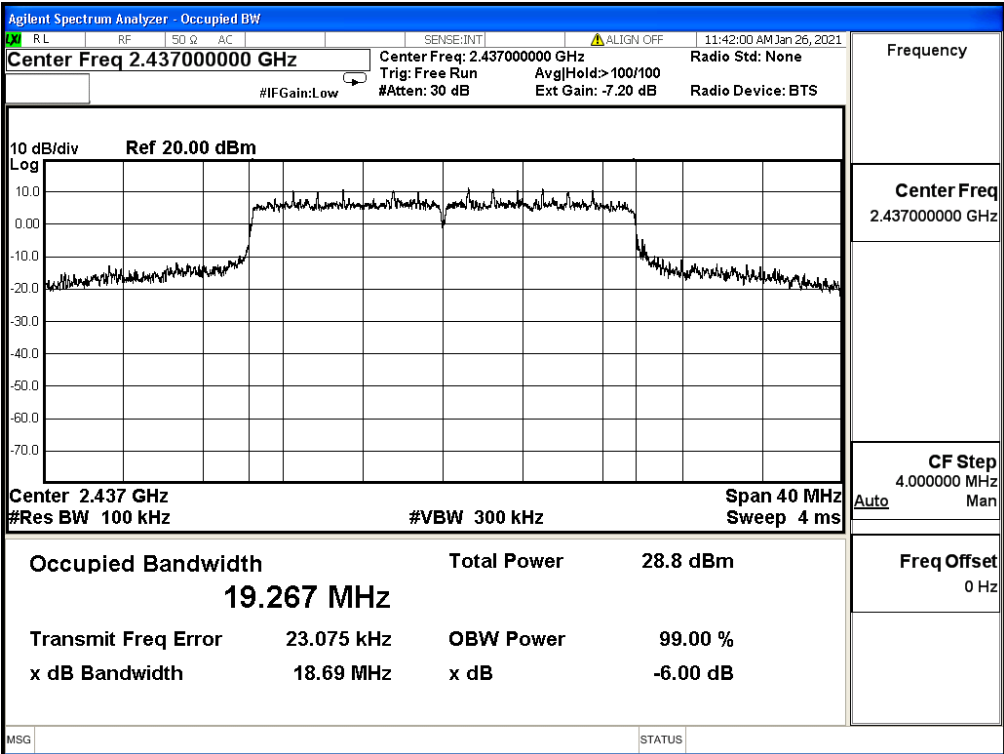
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	66.0

IEEE 802.11ax(20M)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	19.000	≥ 0.5	Pass
6	2437	18.690	≥ 0.5	Pass
11	2462	18.980	≥ 0.5	Pass

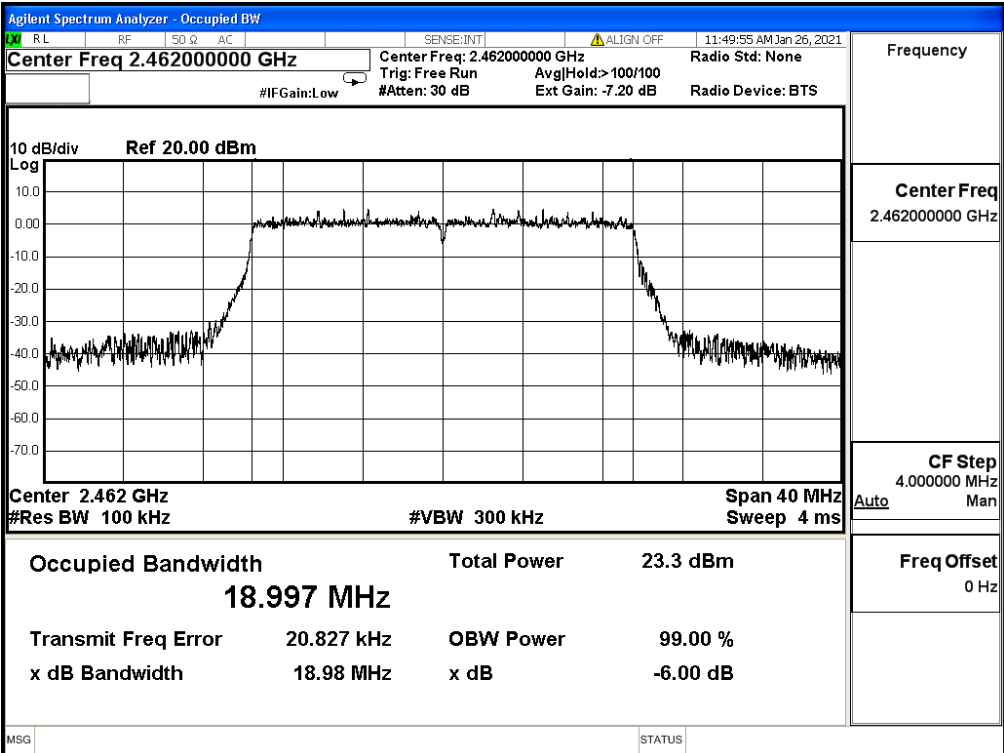
Channel 1 (2412MHz)



Channel 6 (2437MHz)



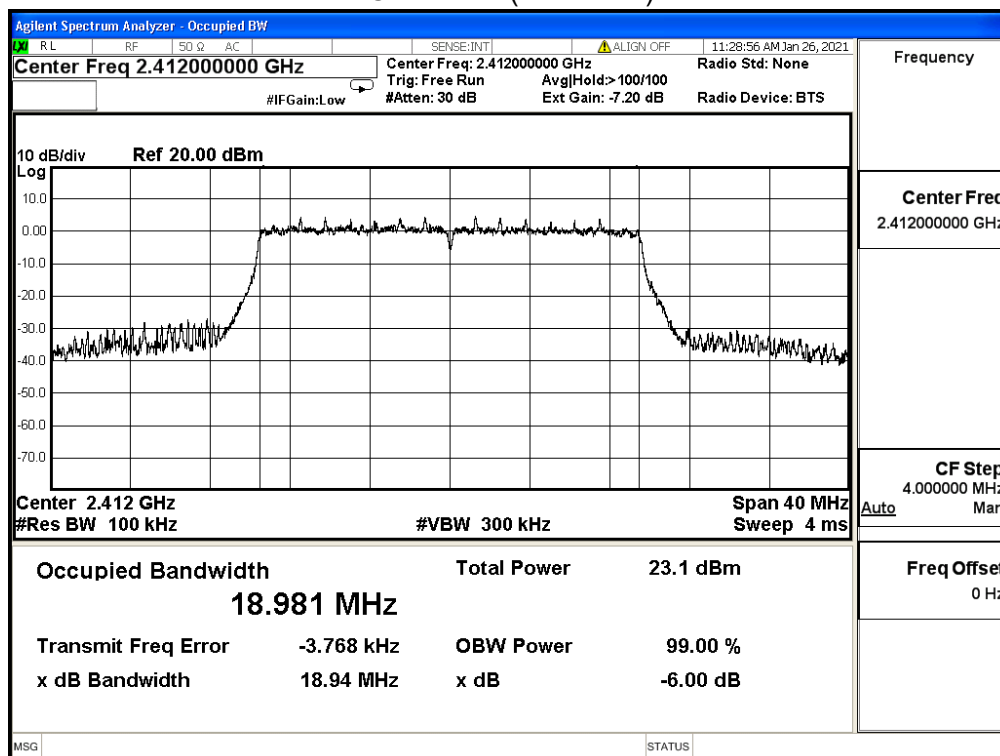
Channel 11 (2462MHz)



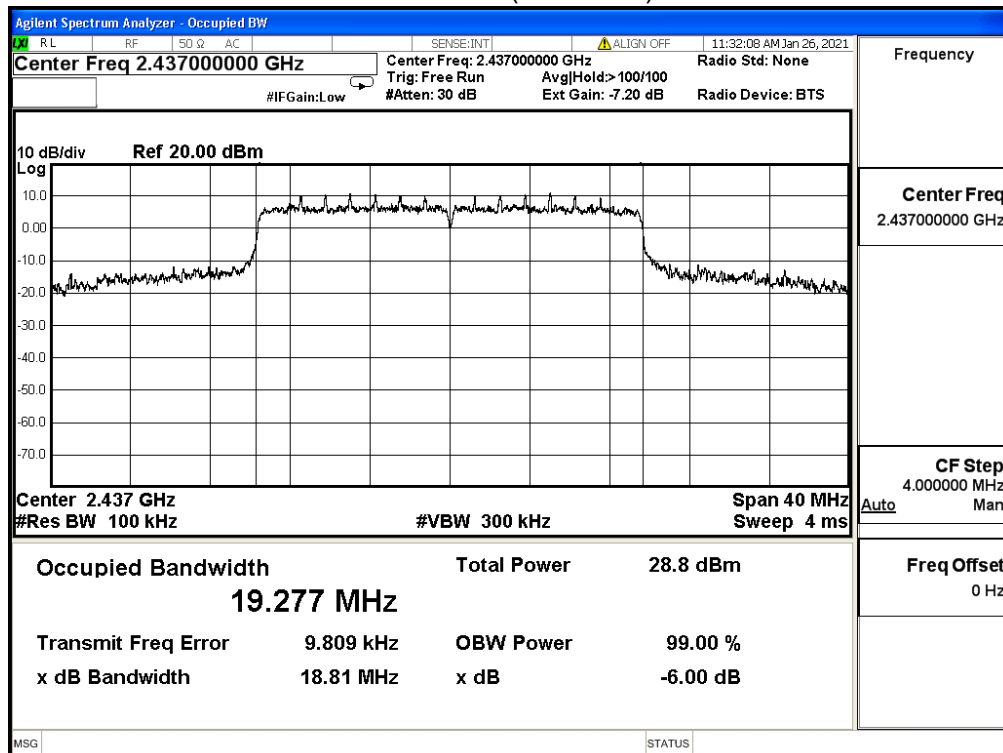
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	66.0

IEEE 802.11ax(20M)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	18.940	≥ 0.5	Pass
6	2437	18.810	≥ 0.5	Pass
11	2462	18.980	≥ 0.5	Pass

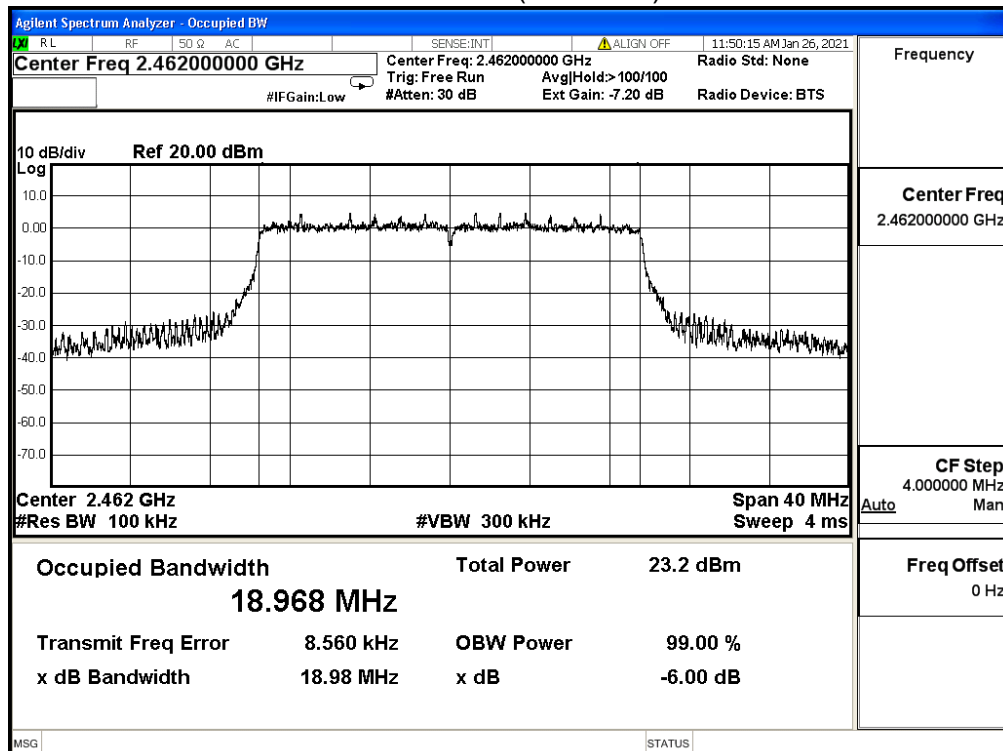
Channel 1 (2412MHz)



Channel 6 (2437MHz)



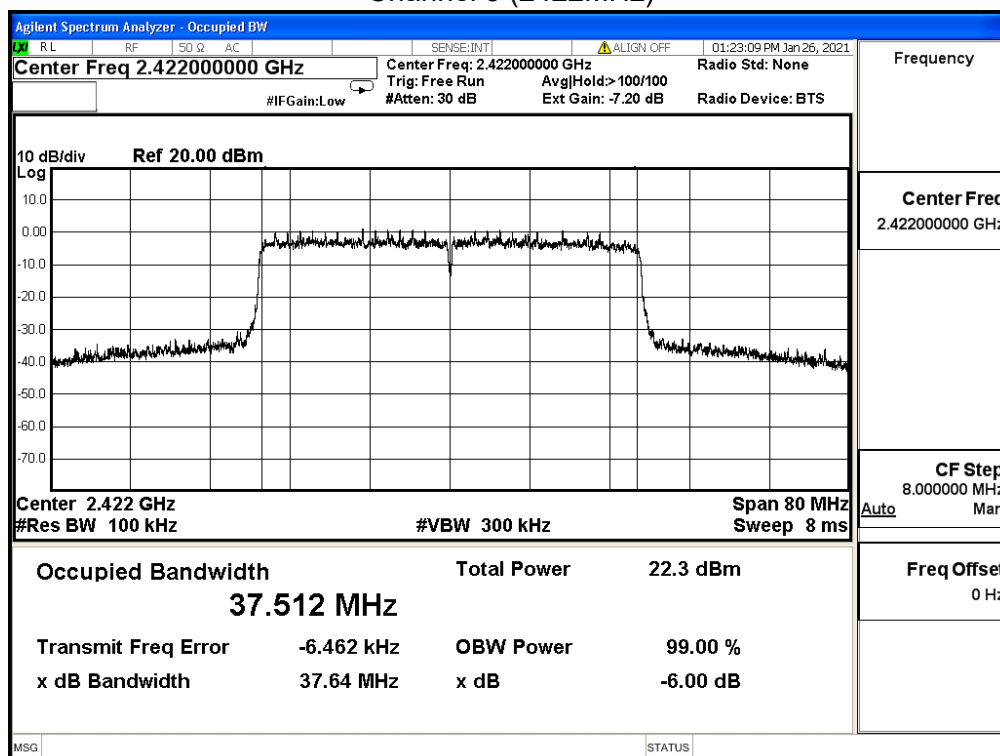
Channel 11 (2462MHz)



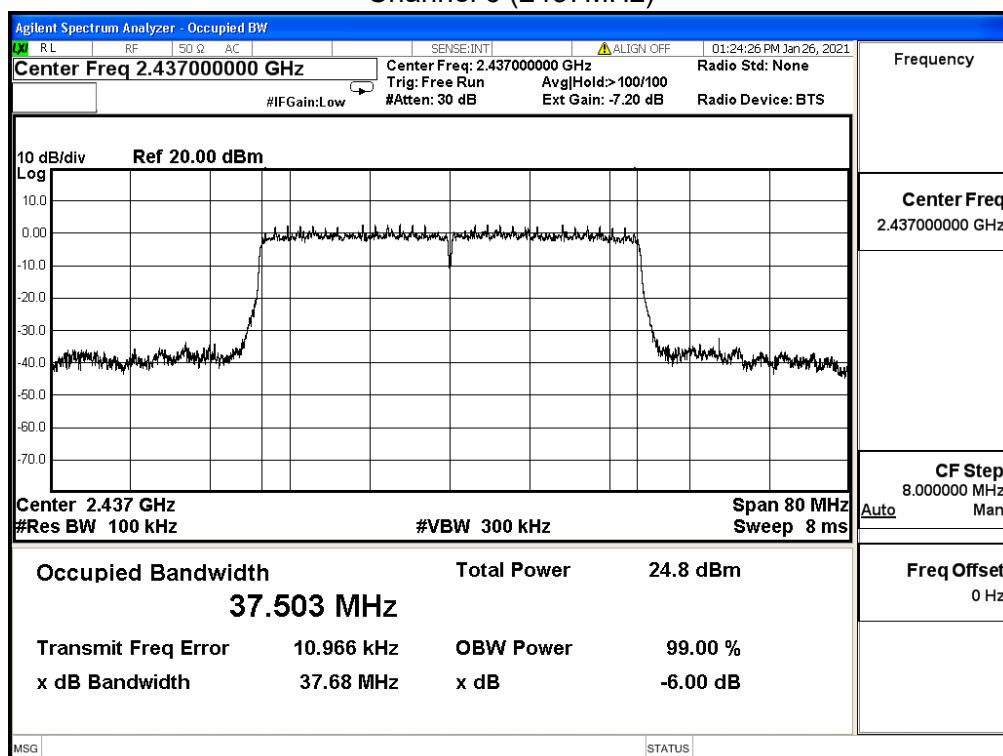
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	66.0

IEEE 802.11ax(40M)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	37.640	≥ 0.5	Pass
6	2437	37.680	≥ 0.5	Pass
9	2452	37.650	≥ 0.5	Pass

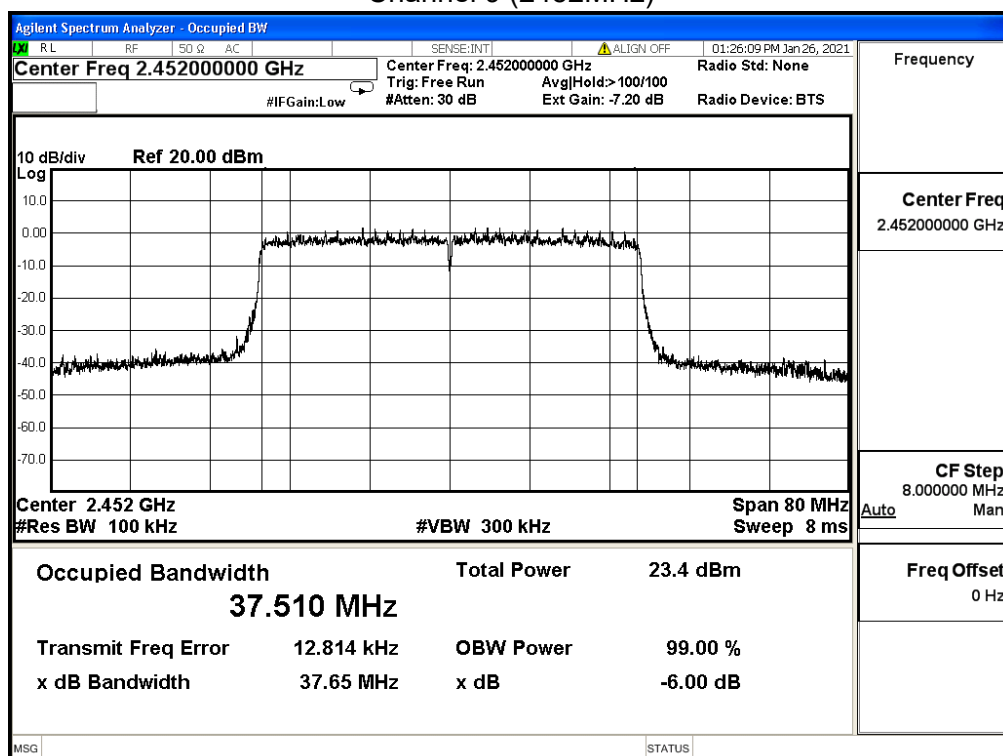
Channel 3 (2422MHz)



Channel 6 (2437MHz)



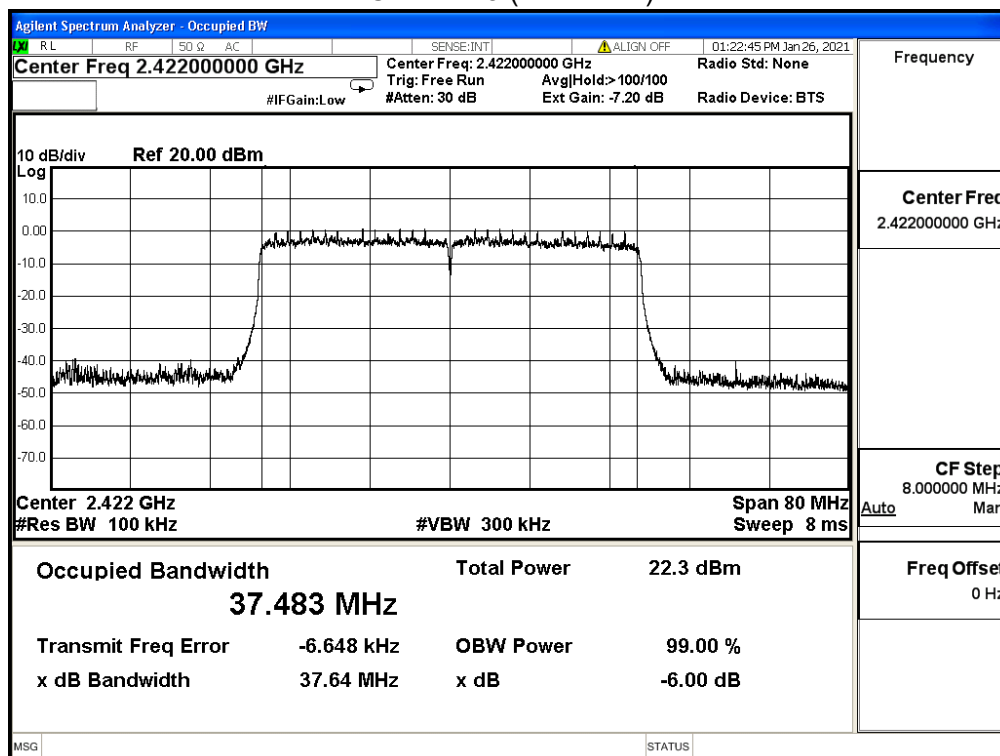
Channel 9 (2452MHz)



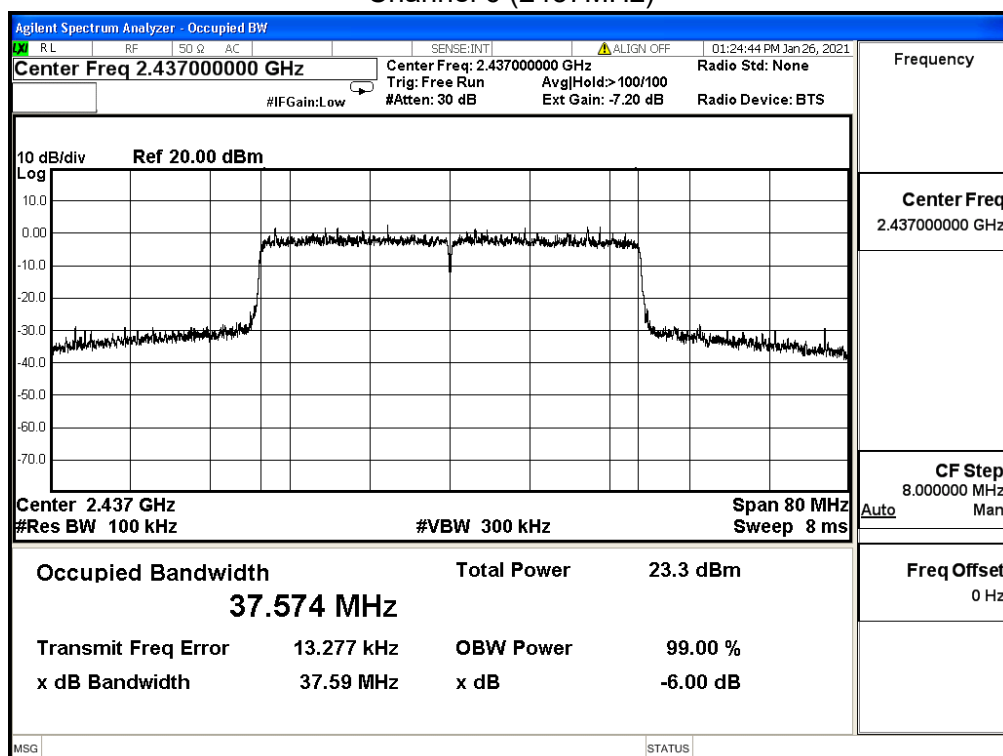
Product	Mesh Wi-Fi Router		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/26	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	66.0

IEEE 802.11ax(40M)(ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	37.640	≥ 0.5	Pass
6	2437	37.590	≥ 0.5	Pass
9	2452	37.660	≥ 0.5	Pass

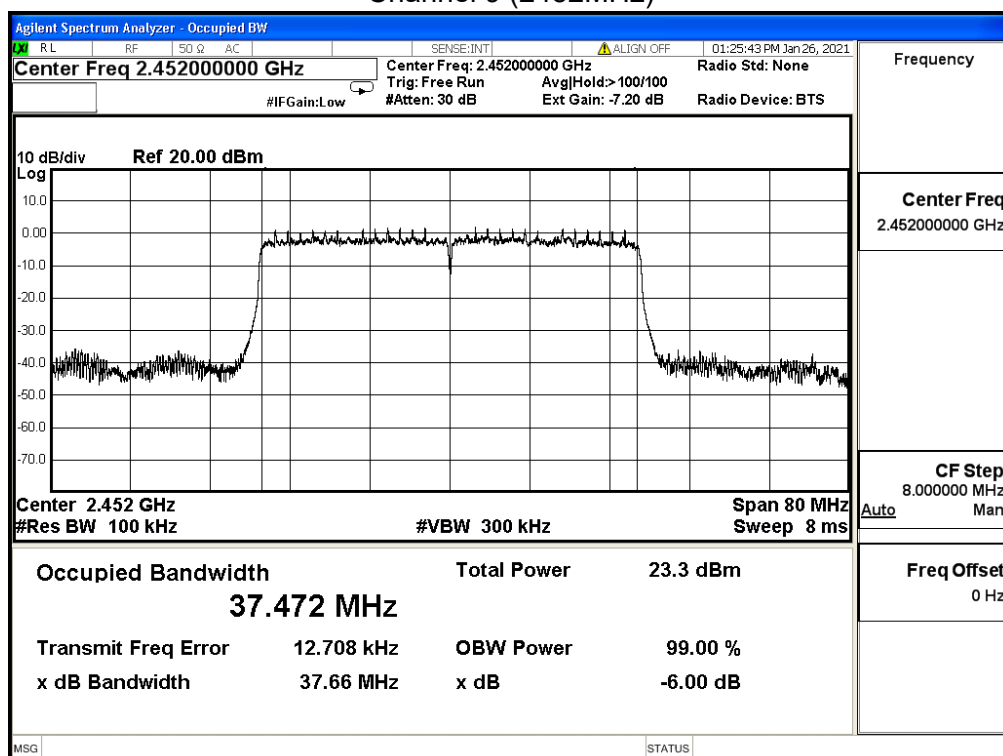
Channel 3 (2422MHz)



Channel 6 (2437MHz)

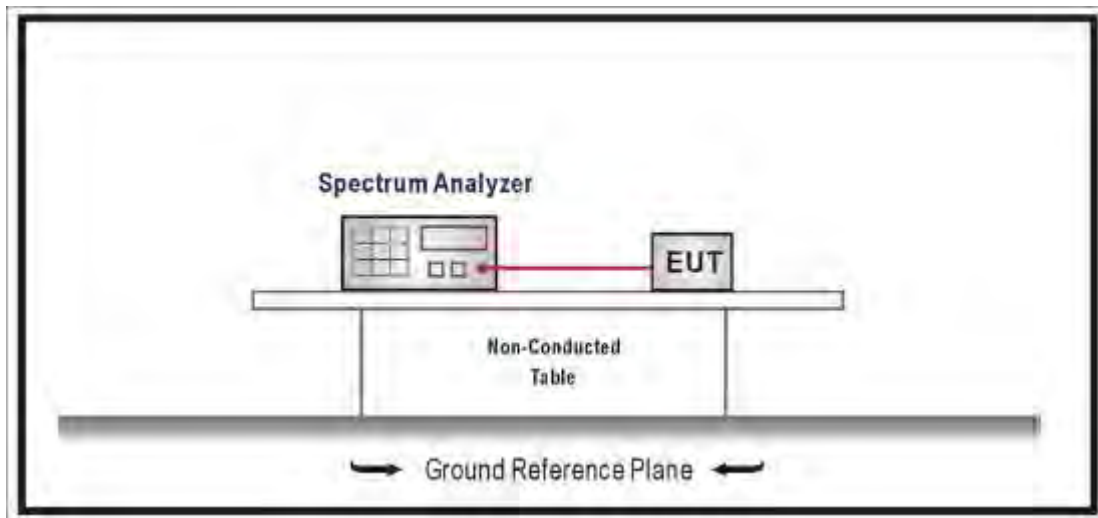


Channel 9 (2452MHz)



8. Occupied Bandwidth

8.1. Test Setup



8.2. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 1-5% of the OBW, Set the VBW $\geq 3 \times$ RBW, Sweep Time=Auto.

8.3. Limits

N/A

8.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2019

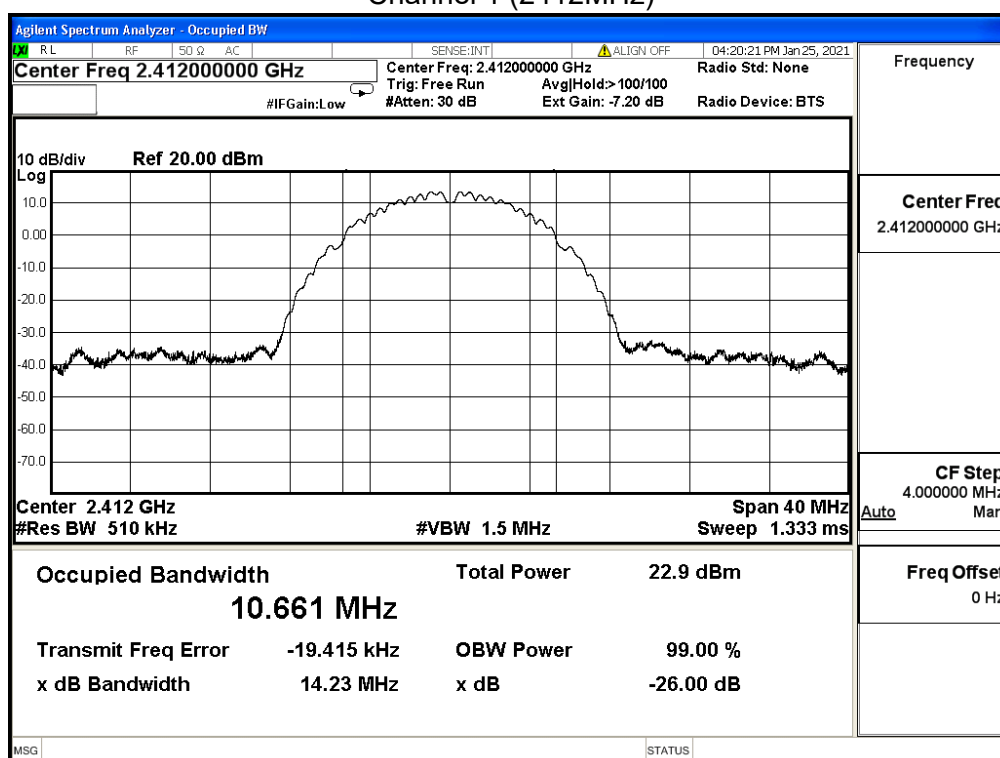
8.5. Test Result

Product	Mesh Wi-Fi Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/25	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	66.0

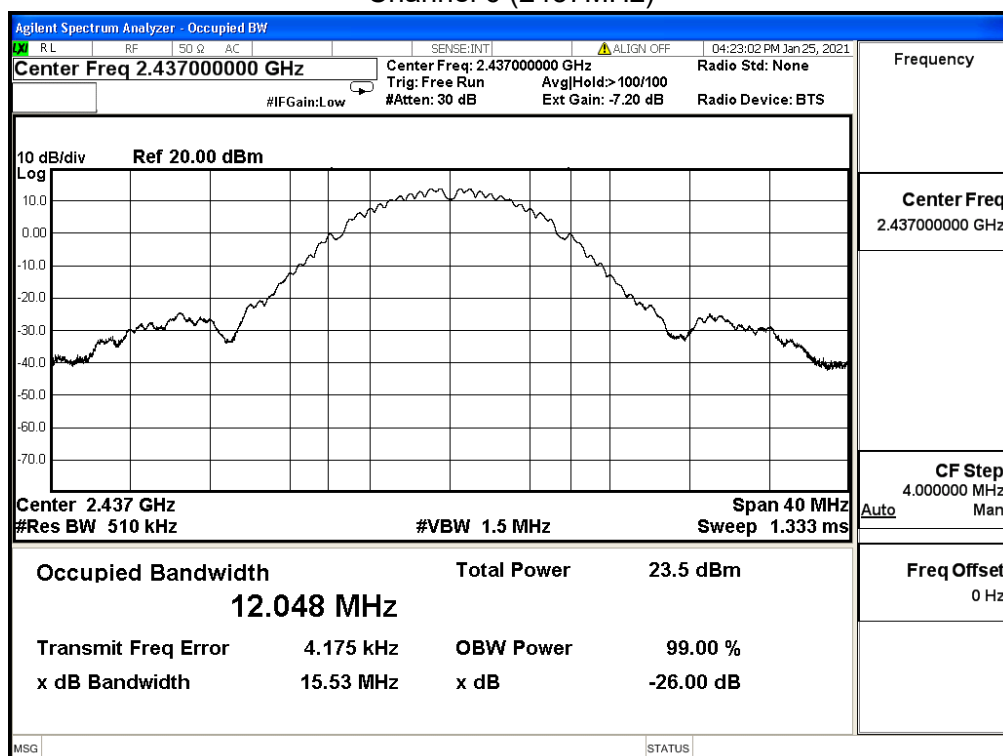
802.11b (ANT 0)

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	10.661	--
6	2437	12.048	--
11	2462	11.098	--

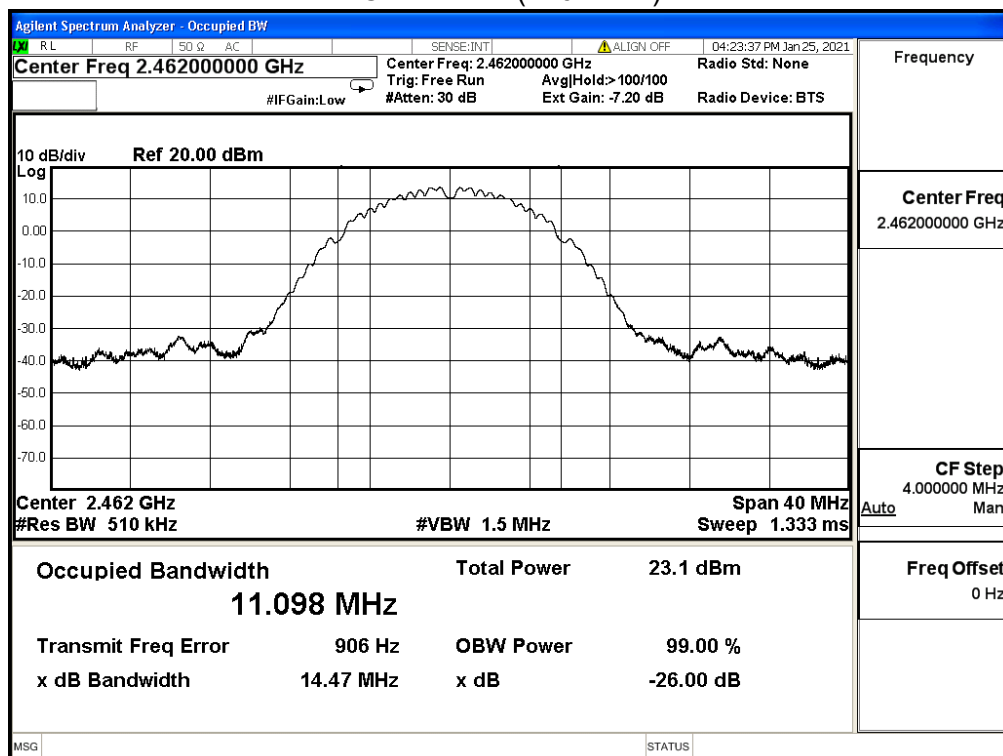
Channel 1 (2412MHz)



Channel 6 (2437MHz)



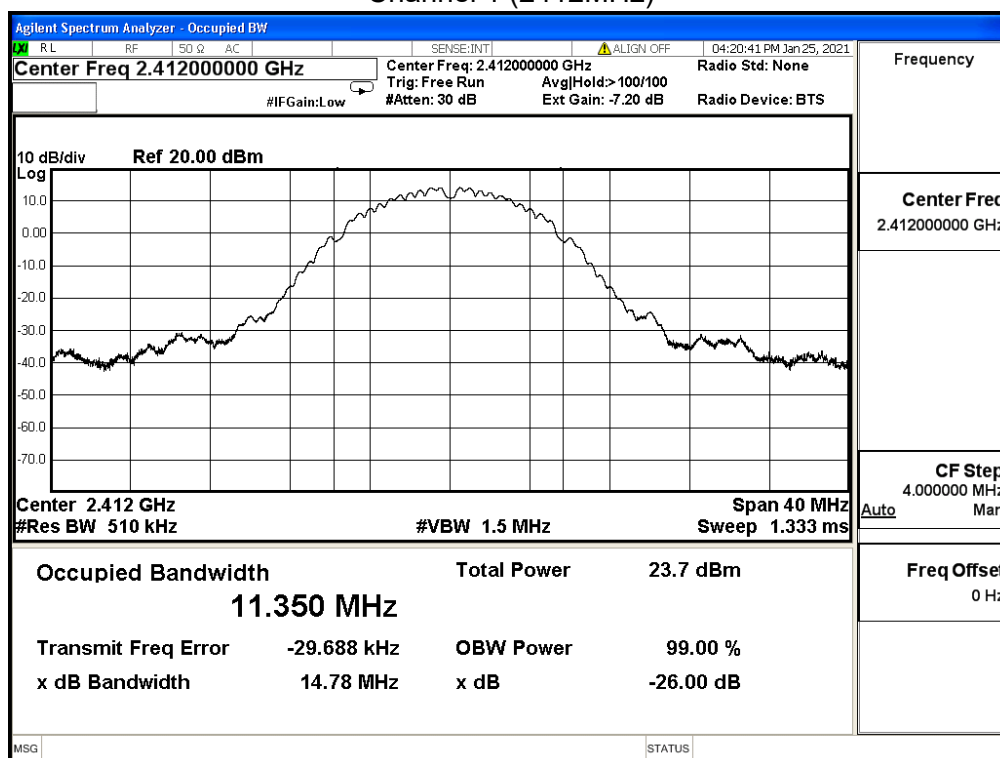
Channel 11 (2462MHz)



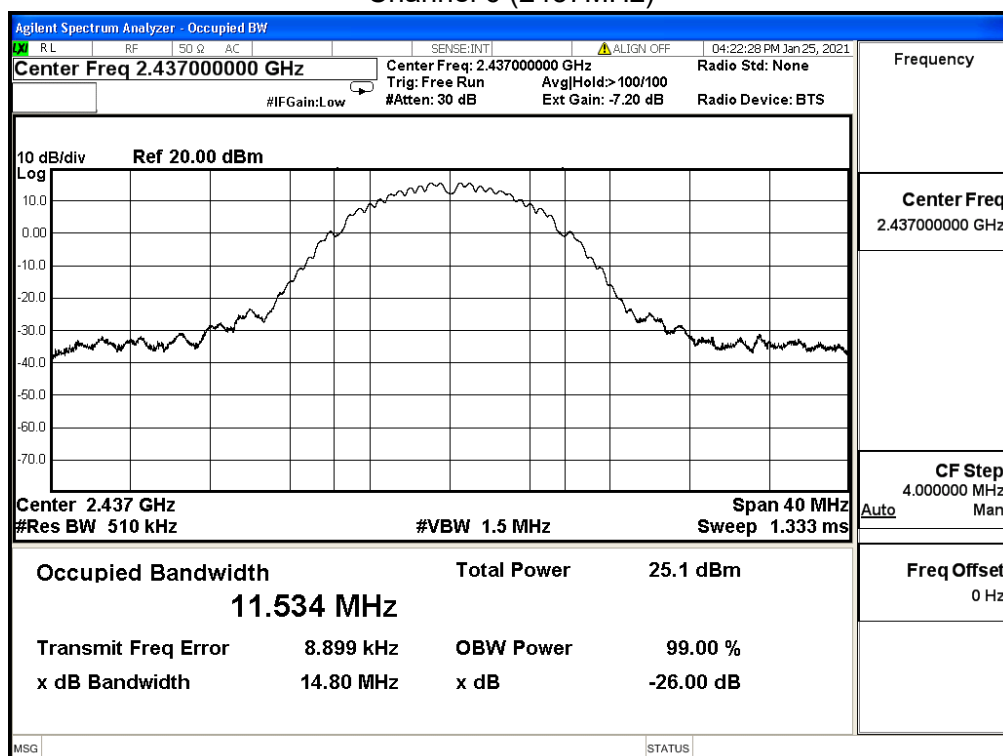
Product	Mesh Wi-Fi Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/25	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	66.0

802.11b (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	11.350	---
6	2437	11.534	---
11	2462	10.545	---

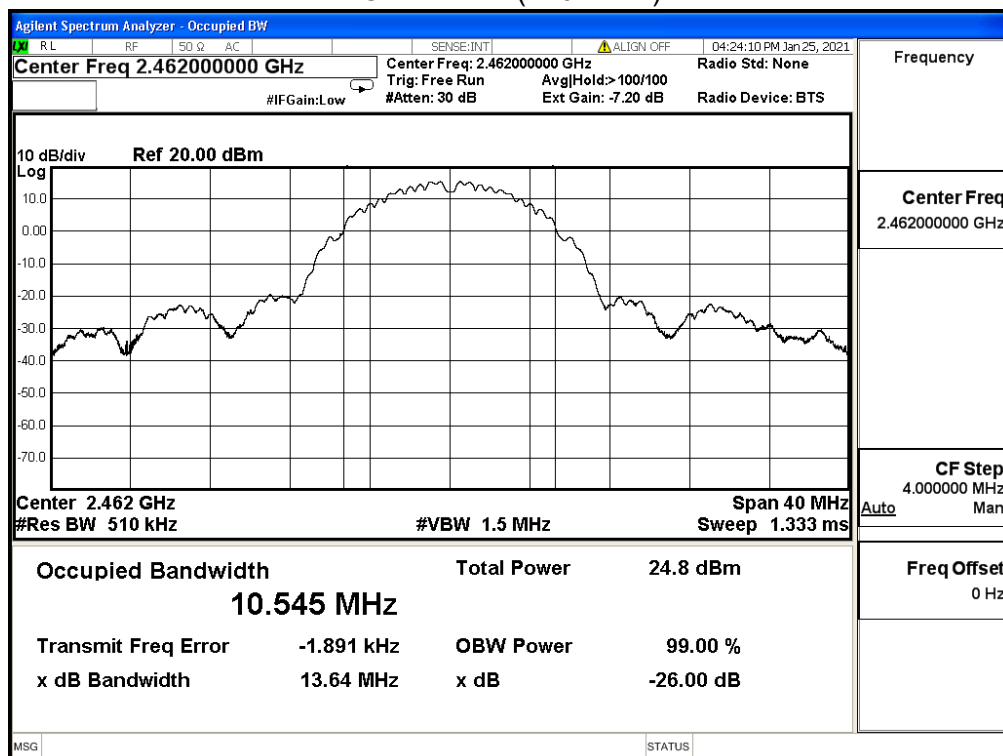
Channel 1 (2412MHz)



Channel 6 (2437MHz)



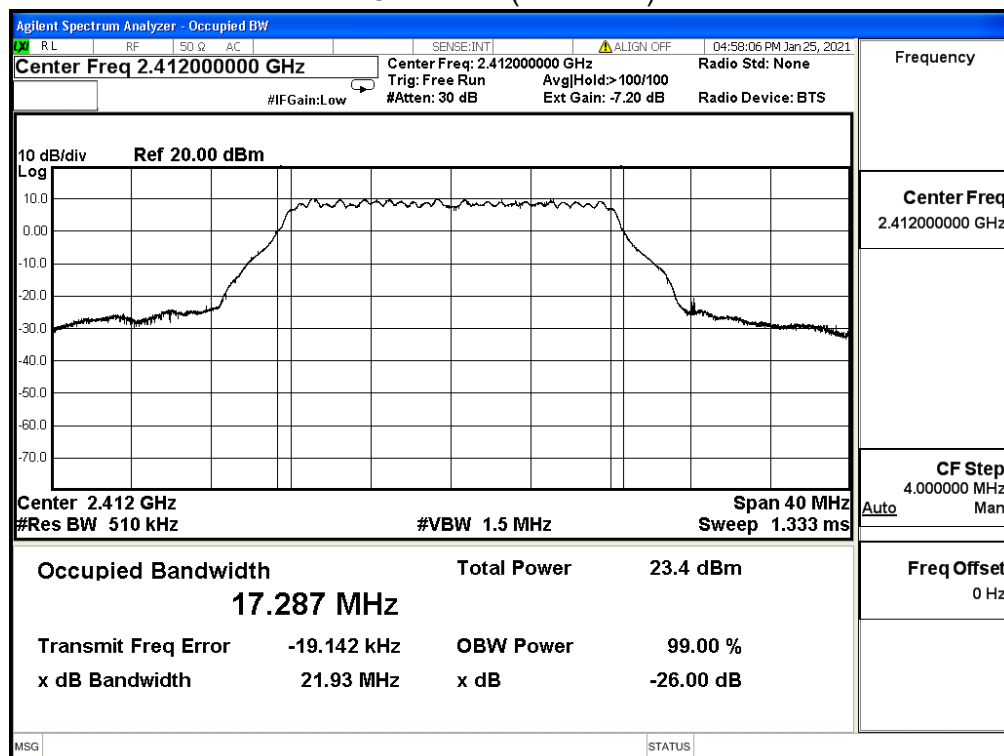
Channel 11 (2462MHz)



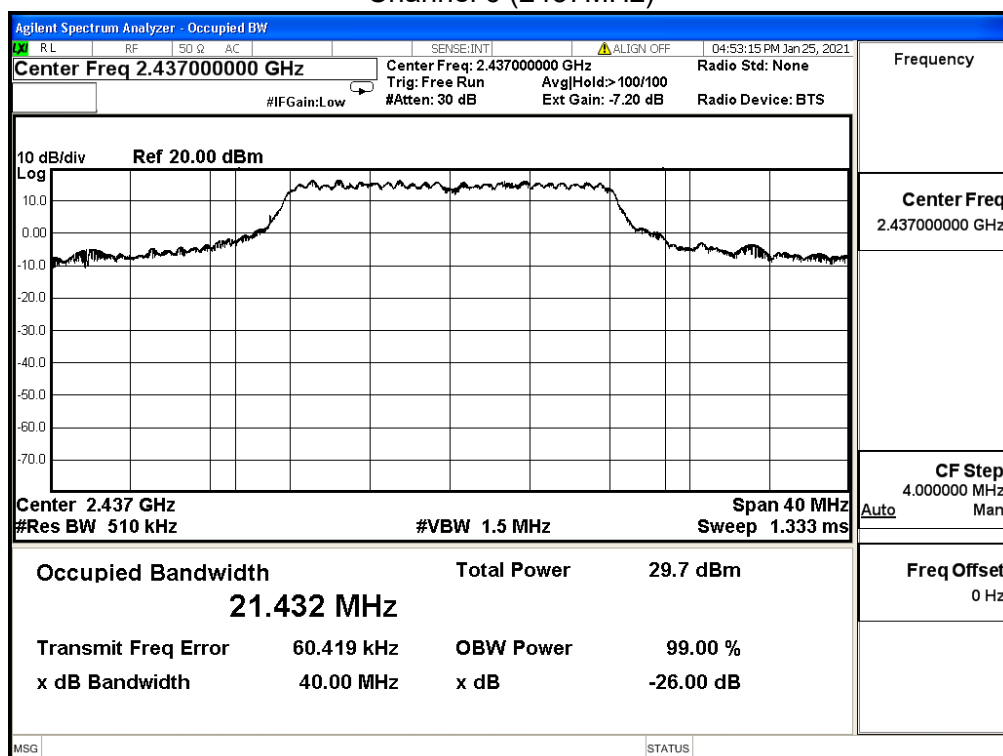
Product	Mesh Wi-Fi Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/25	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	66.0

802.11g (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	17.287	---
6	2437	21.432	---
11	2462	17.465	---

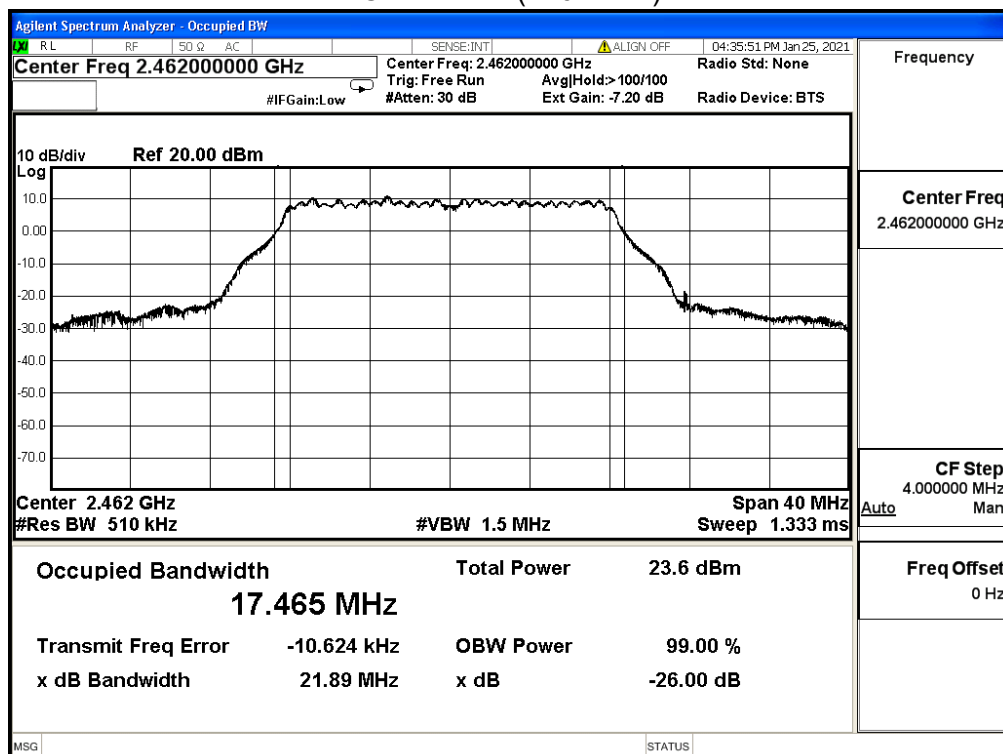
Channel 1 (2412MHz)



Channel 6 (2437MHz)



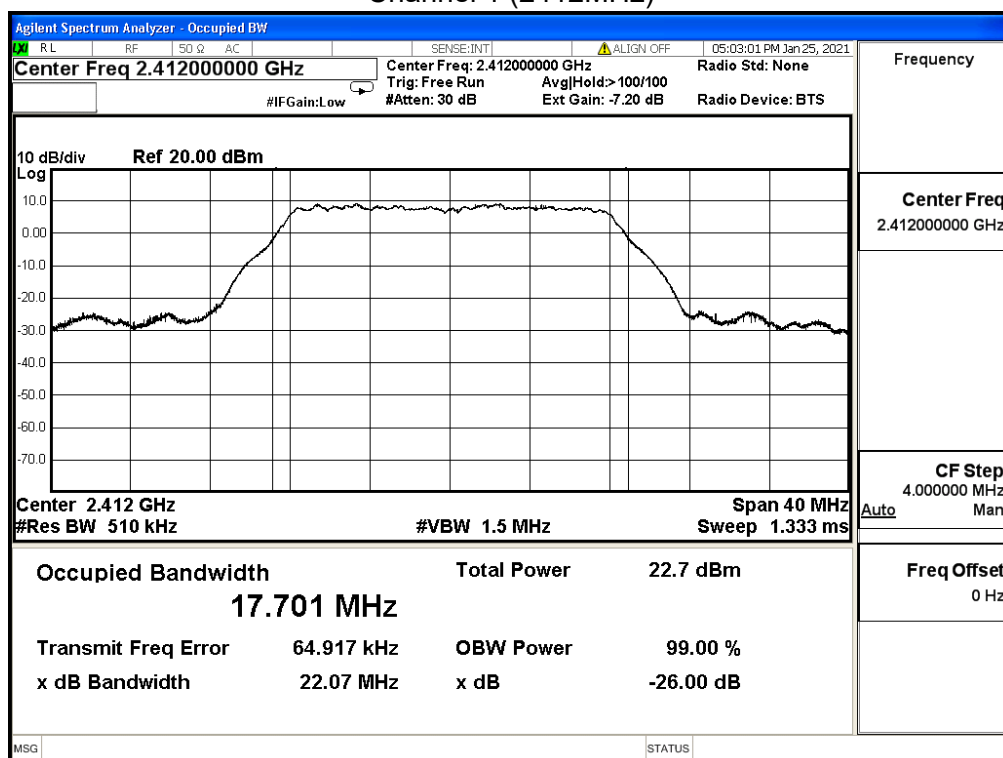
Channel 11 (2462MHz)



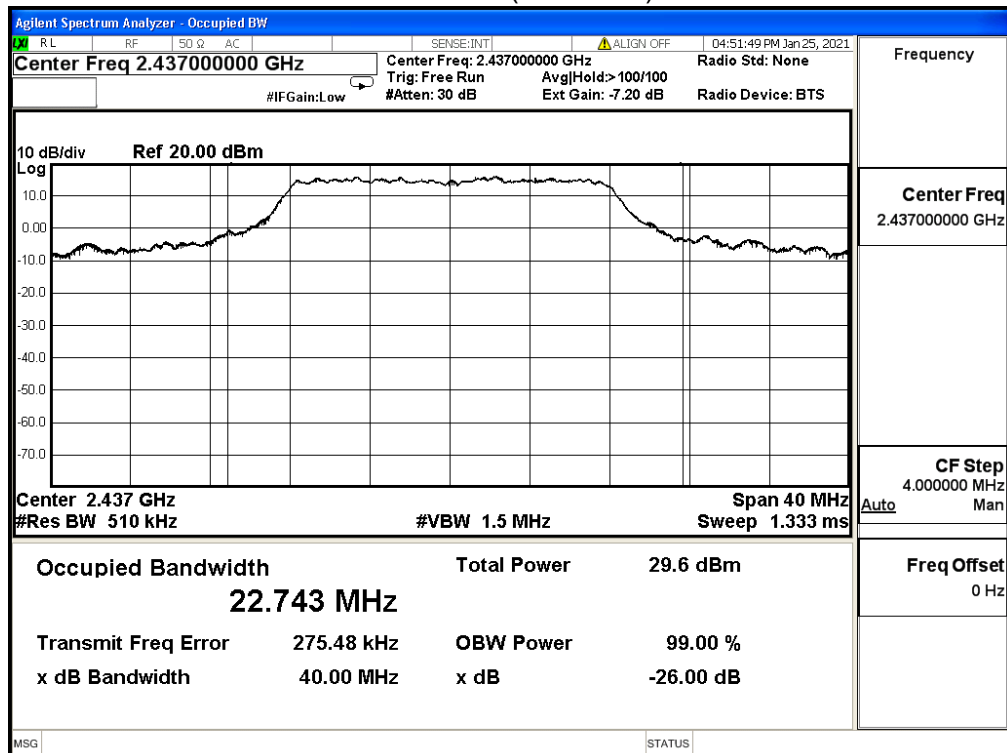
Product	Mesh Wi-Fi Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/25	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	66.0

802.11g (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	17.701	---
6	2437	22.743	---
11	2462	17.770	---

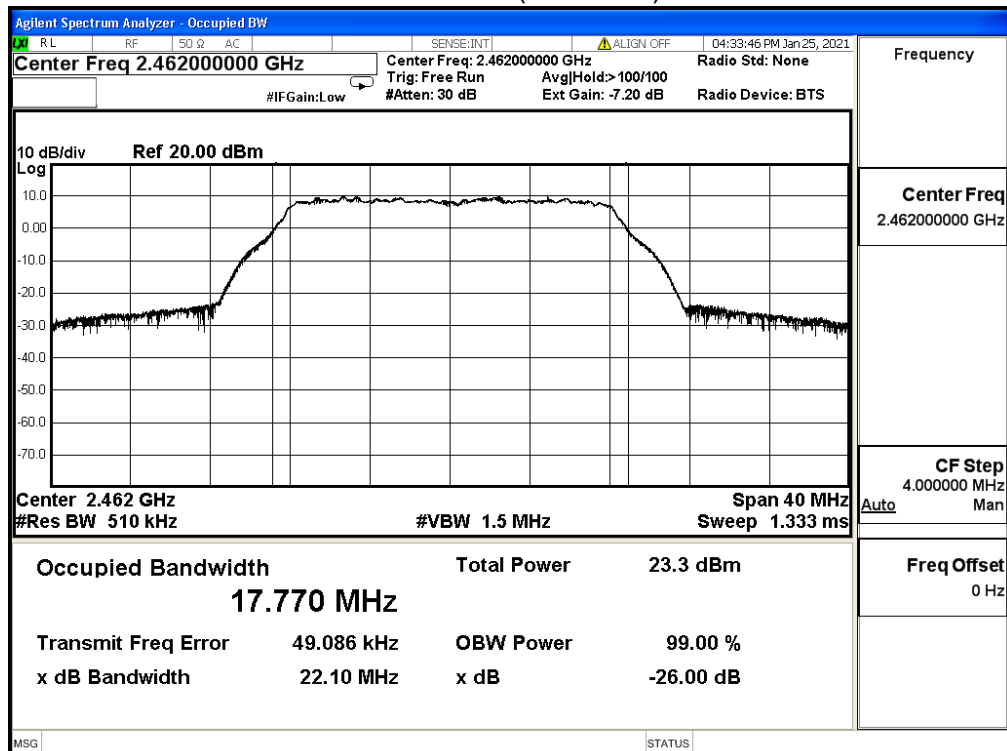
Channel 1 (2412MHz)



Channel 6 (2437MHz)



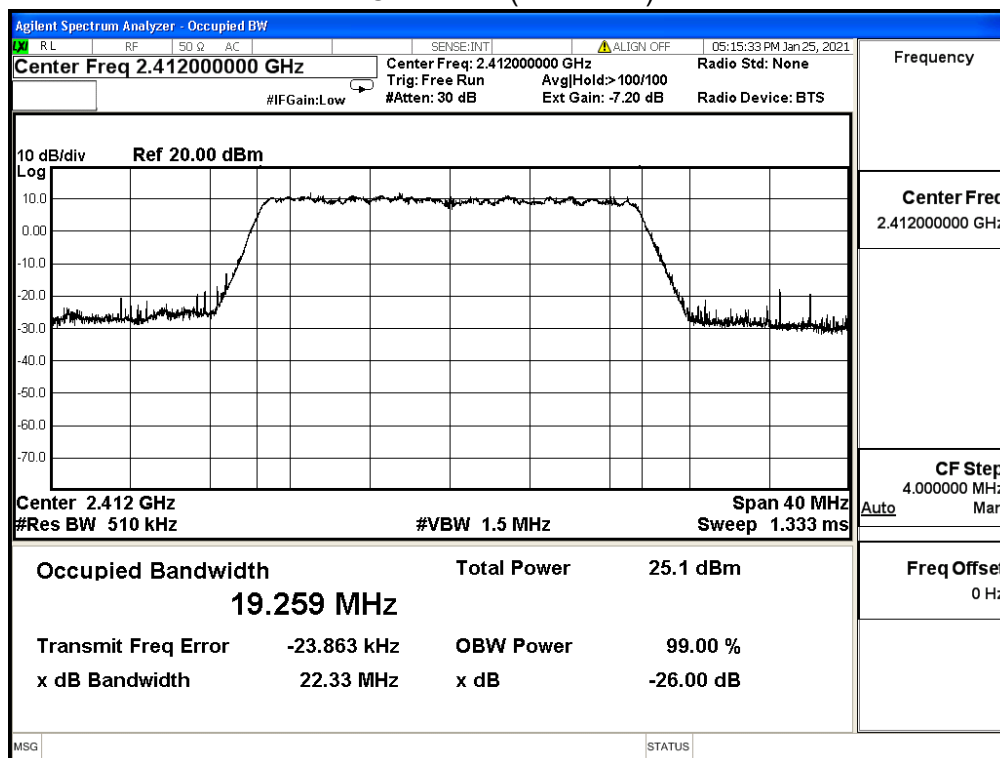
Channel 11 (2462MHz)



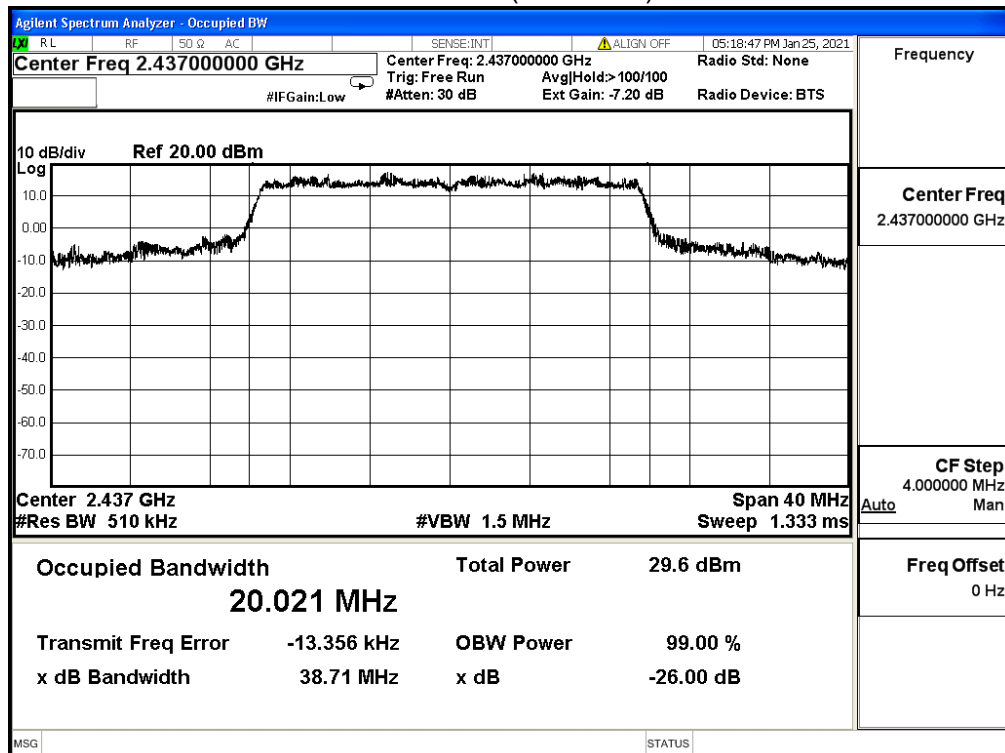
Product	Mesh Wi-Fi Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/25	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	66.0

IEEE 802.11ax(20M)(ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	19.259	---
6	2437	20.021	---
11	2462	19.228	---

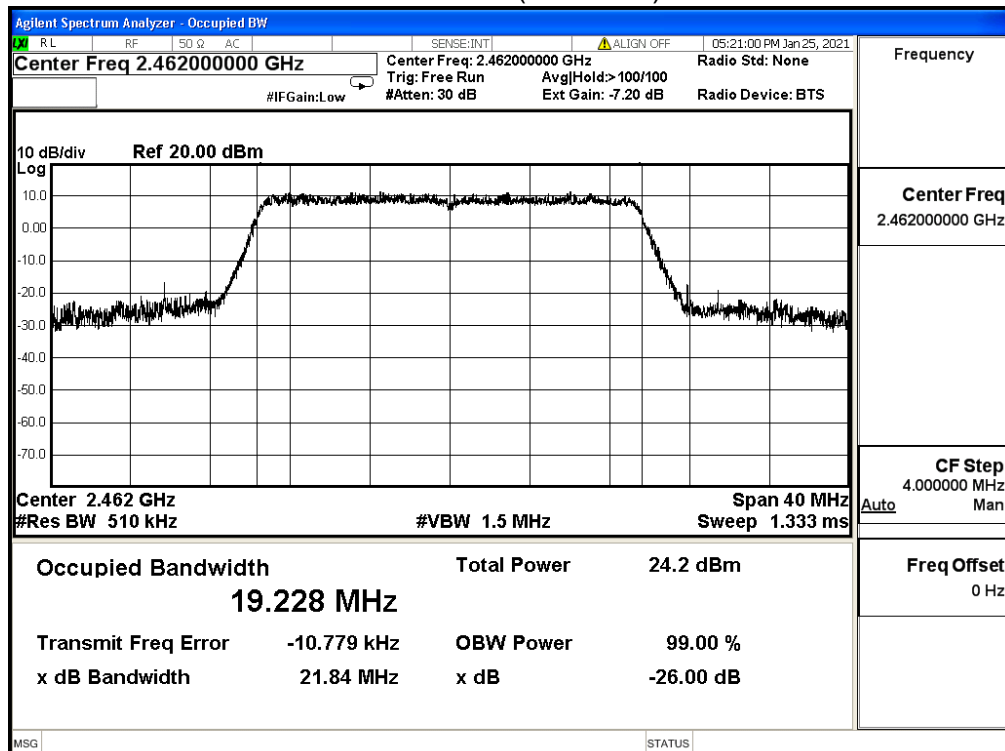
Channel 1 (2412MHz)



Channel 6 (2437MHz)



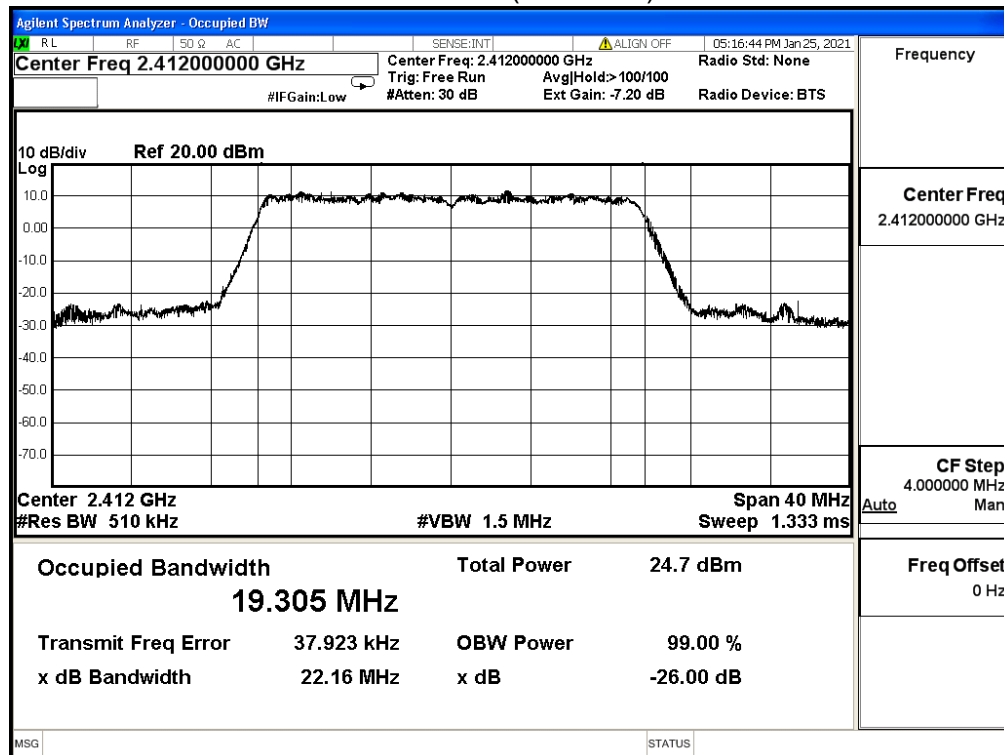
Channel 11 (2462MHz)



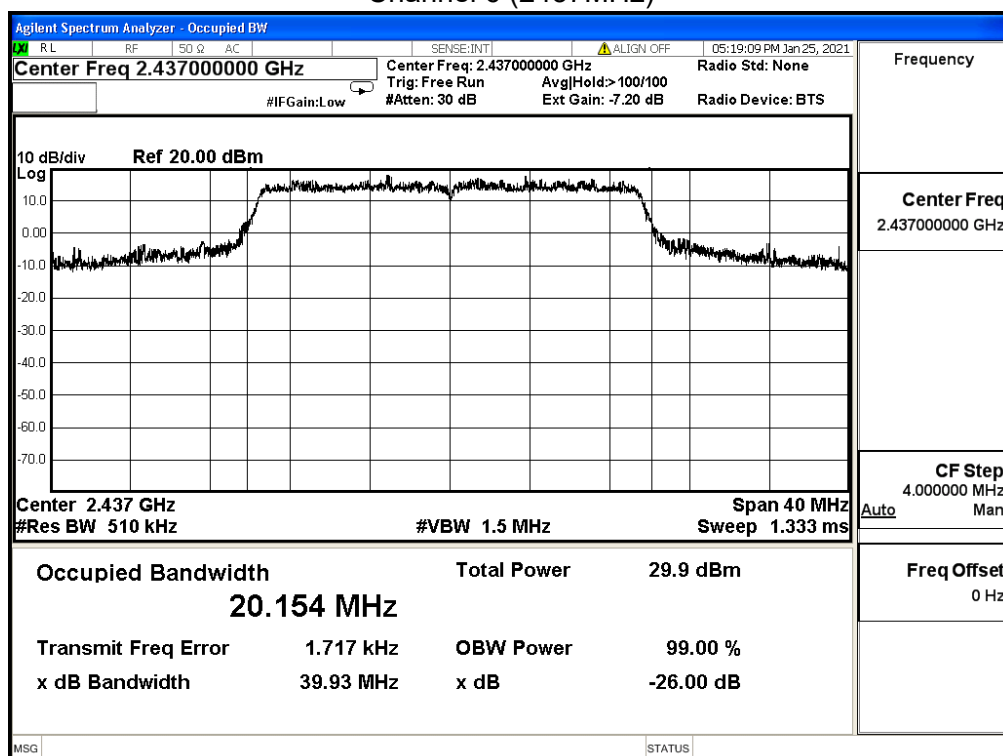
Product	Mesh Wi-Fi Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/25	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	66.0

IEEE 802.11ax(20M)(ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
1	2412	19.305	---
6	2437	20.154	---
11	2462	19.236	---

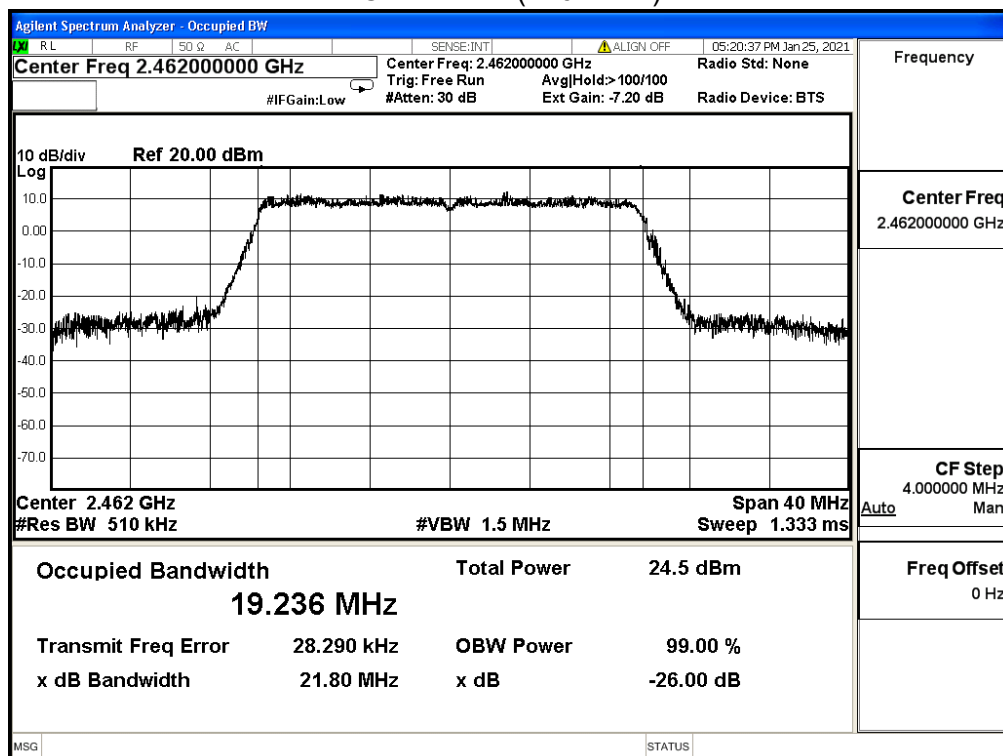
Channel 1 (2412MHz)



Channel 6 (2437MHz)



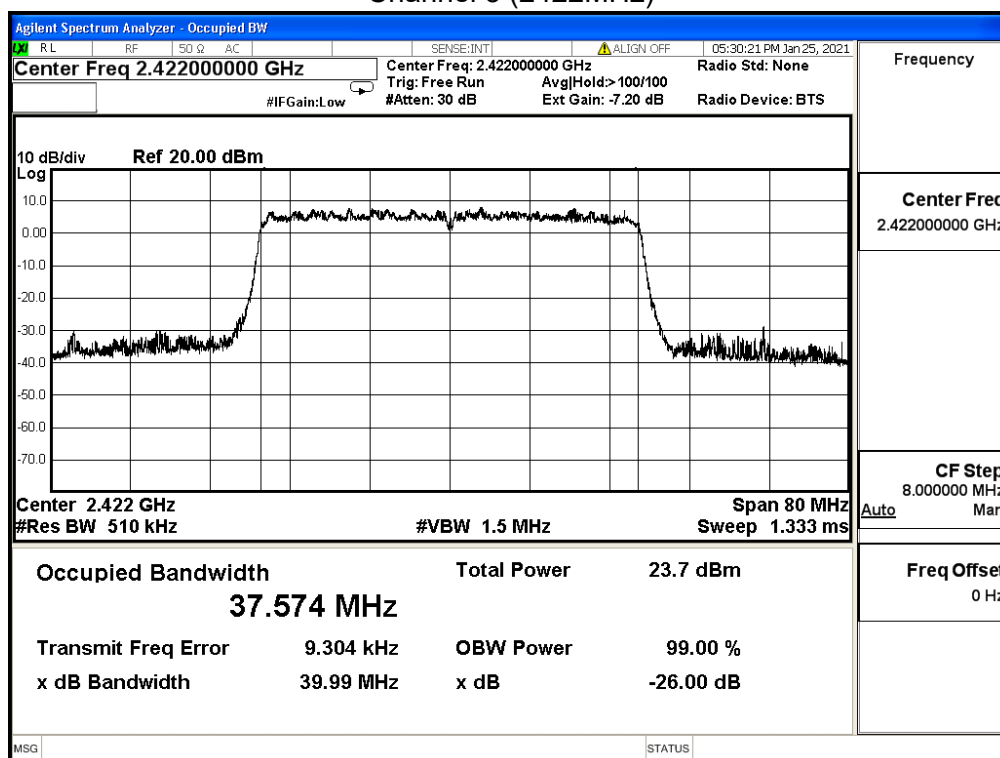
Channel 11 (2462MHz)



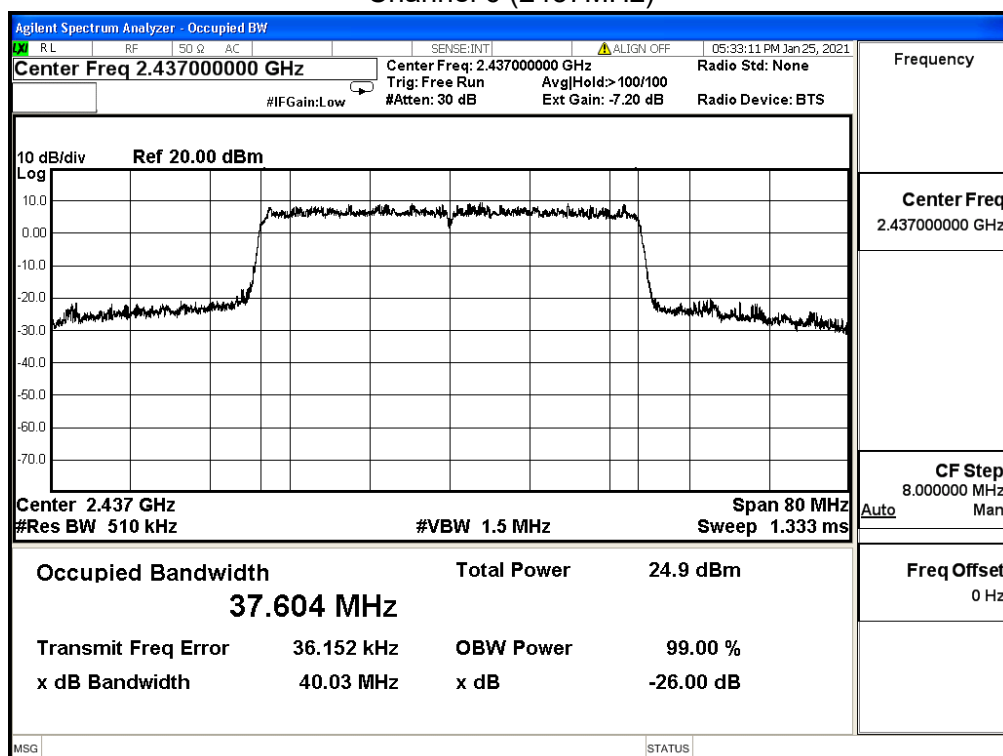
Product	Mesh Wi-Fi Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/25	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	66.0

IEEE 802.11ax(40M)(ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
3	2422	37.574	---
6	2437	37.604	---
9	2452	37.587	---

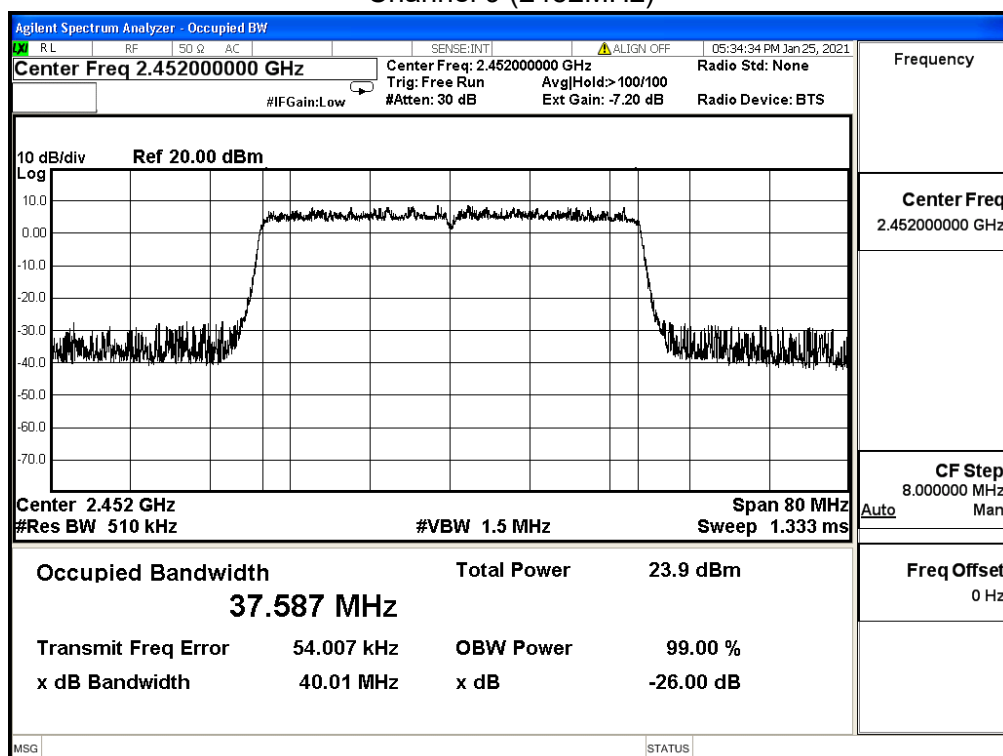
Channel 3 (2422MHz)



Channel 6 (2437MHz)



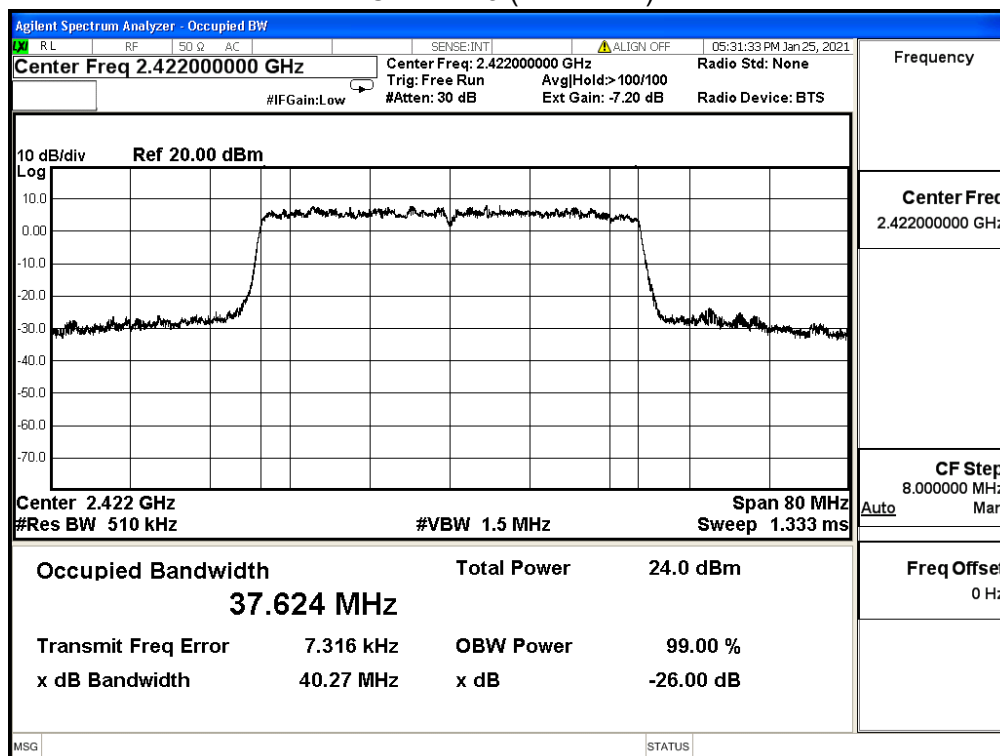
Channel 9 (2452MHz)



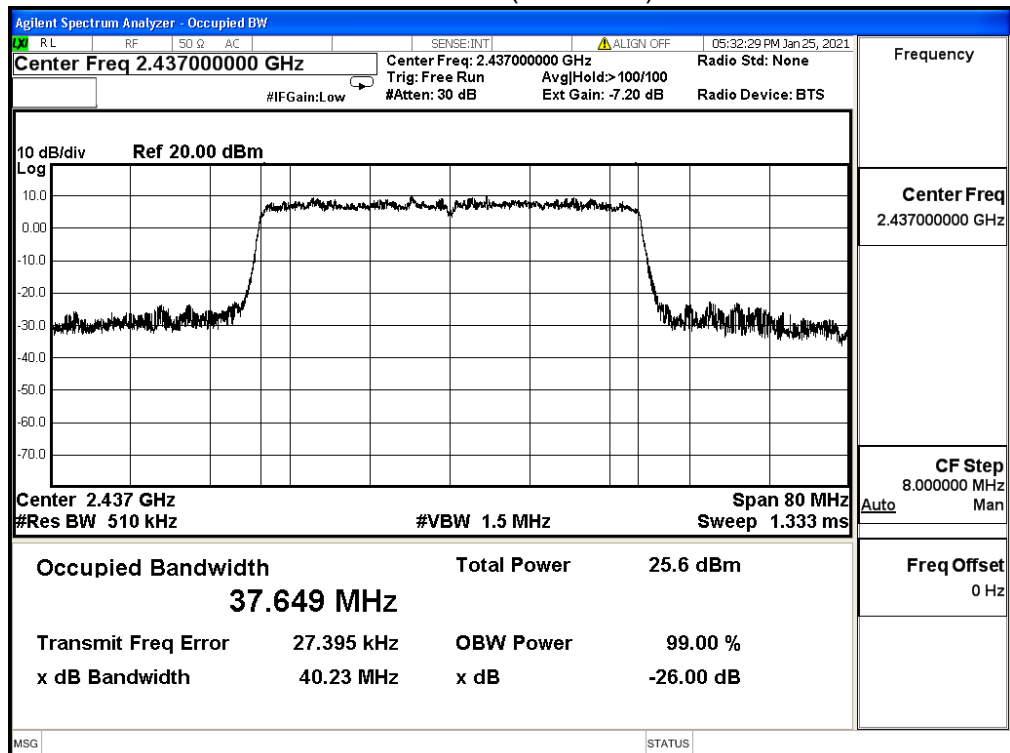
Product	Mesh Wi-Fi Router		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/25	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	66.0

IEEE 802.11ax(40M)(ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
3	2422	37.624	---
6	2437	37.649	---
9	2452	37.602	---

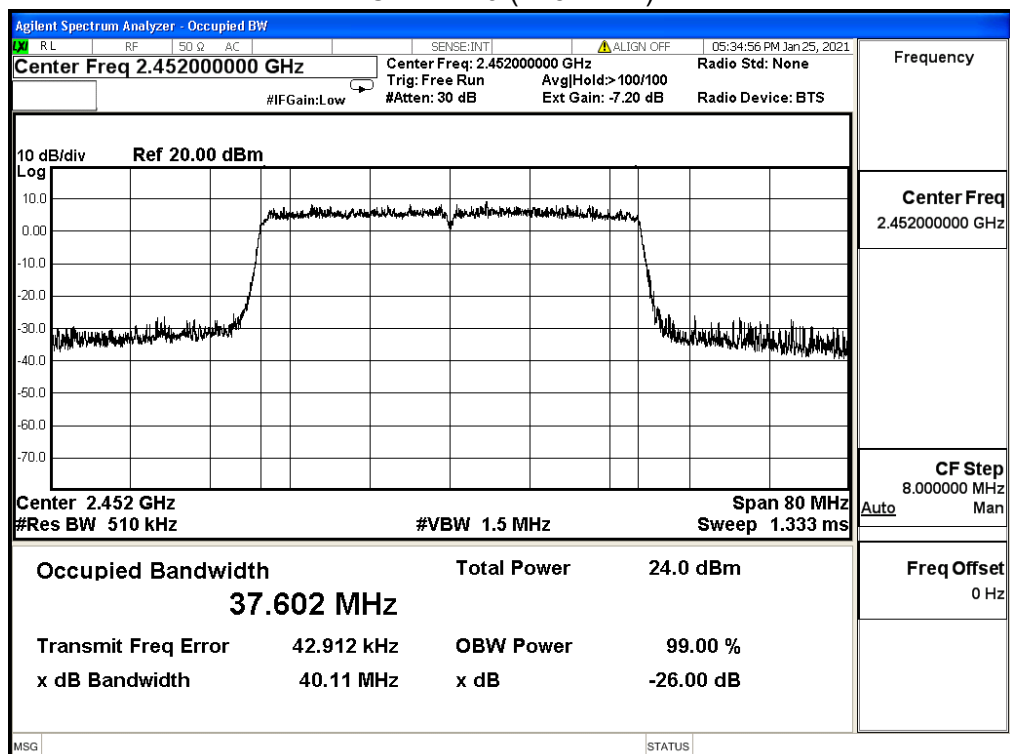
Channel 3 (2422MHz)



Channel 6 (2437MHz)

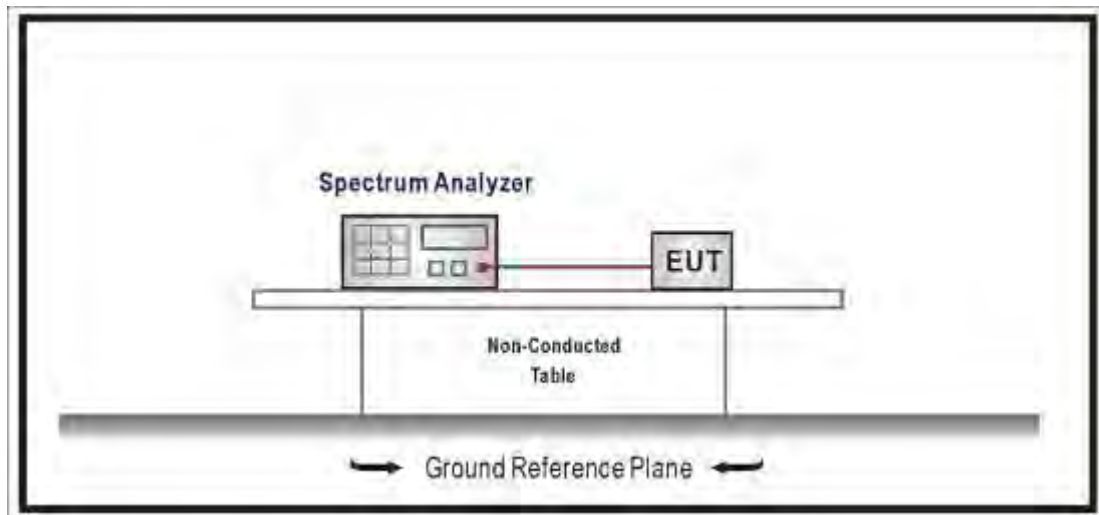


Channel 9 (2452MHz)



9. Power Density

9.1. Test Setup



9.2. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

9.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 10.2 of KDB 558074 D01 v05r02 for compliance to FCC 47CFR 15.247 requirements.

Set 3KHz $\leq$ RBW $\leq$ 100 kHz, Set VBW $\geq$ 3xRBW, Sweep time=Auto, Set Peak detector.

9.4. Test Specification

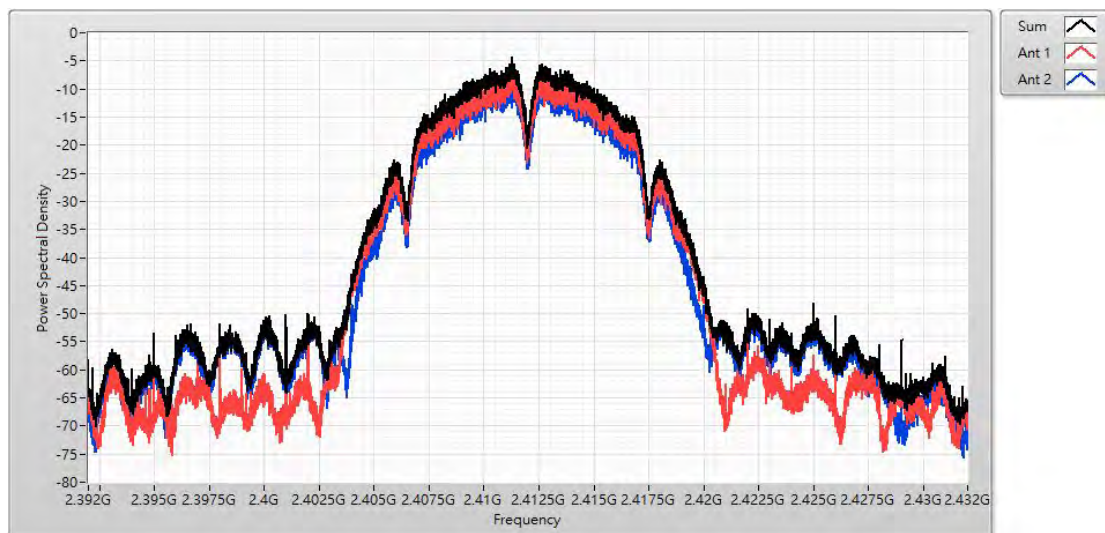
According to FCC Part 15 Subpart C Paragraph 15.247: 2019

9.5. Test Result

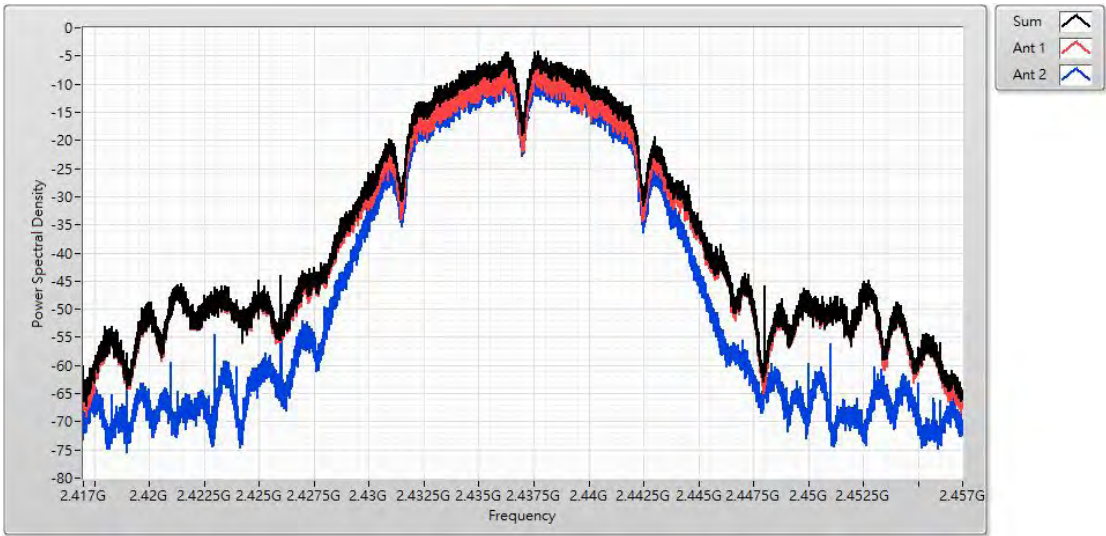
Product	Mesh Wi-Fi Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/28	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	67.0

IEEE 802.11b (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-4.330	≤ 7.256	Pass
6	2437	-4.110	≤ 7.256	Pass
11	2462	-4.750	≤ 7.256	Pass

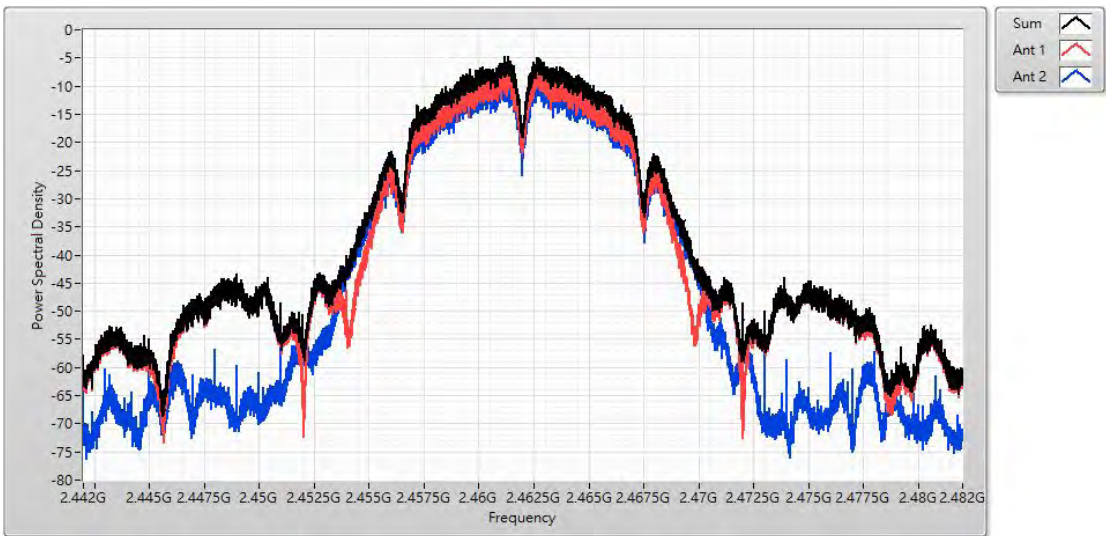
Channel 1 (2412MHz)



Channel 6 (2437MHz)



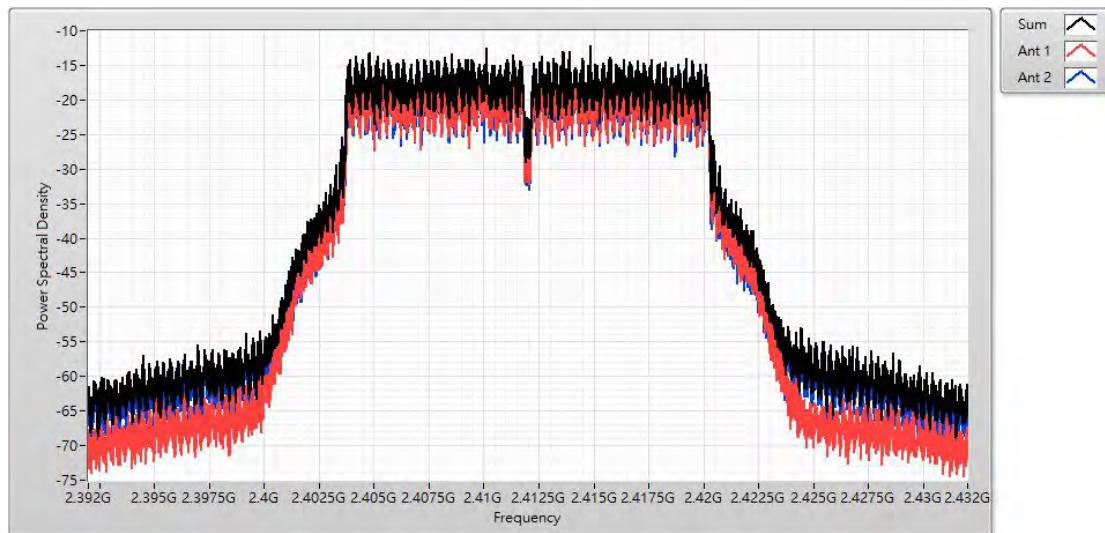
Channel 11 (2462MHz)



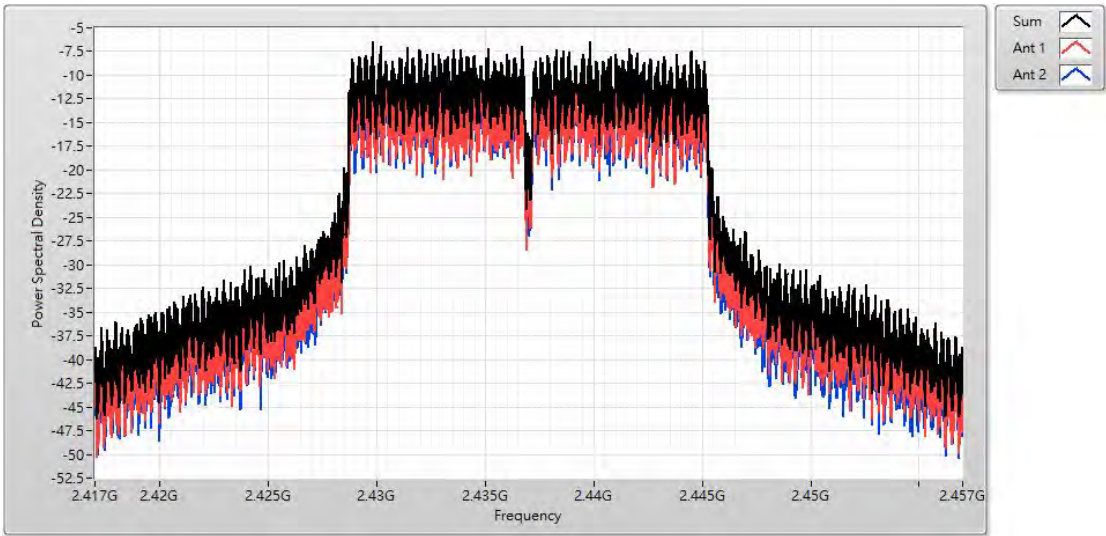
Product	Mesh Wi-Fi Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/28	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	67.0

IEEE 802.11g (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-12.250	≤ 7.256	Pass
6	2437	-6.420	≤ 7.256	Pass
11	2462	-12.010	≤ 7.256	Pass

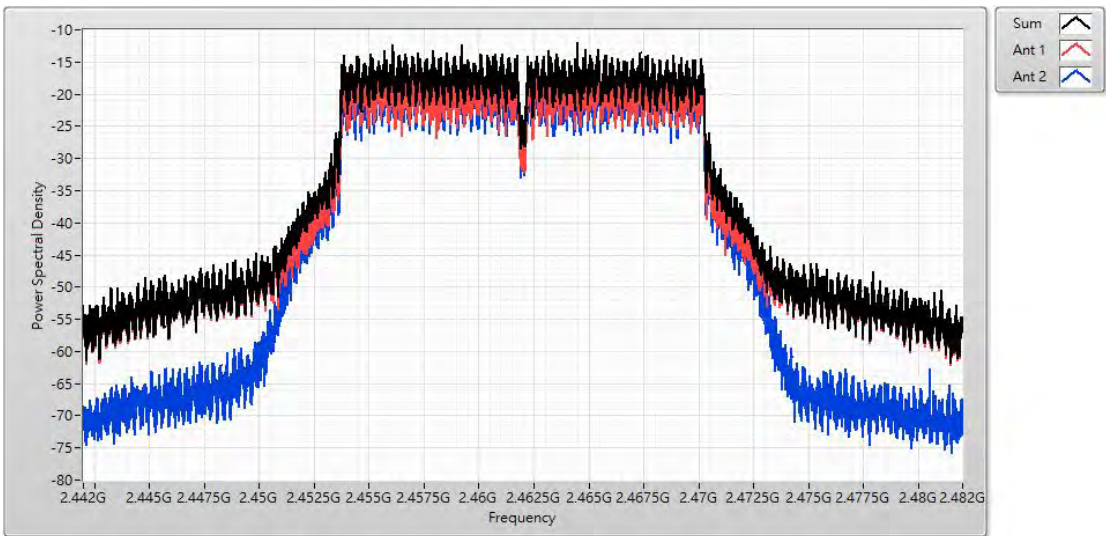
Channel 1 (2412MHz)



Channel 6 (2437MHz)



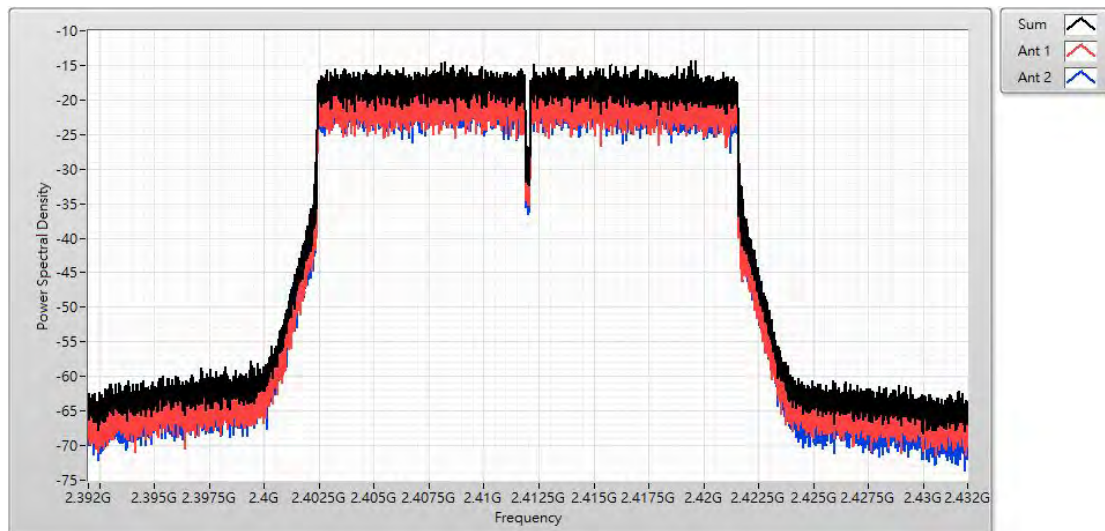
Channel 11 (2462MHz)



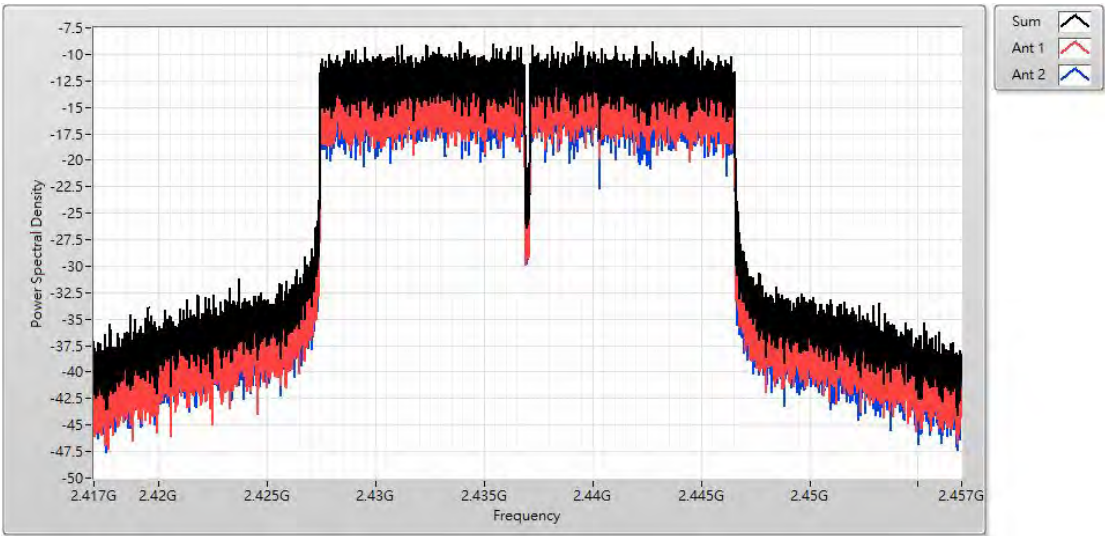
Product	Mesh Wi-Fi Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/28	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	67.0

IEEE 802.11ax(20M)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/10kHz)	Limit (dBm/3kHz)	Result
1	2412	-14.330	≤ 7.256	Pass
6	2437	-8.800	≤ 7.256	Pass
11	2462	-13.400	≤ 7.256	Pass

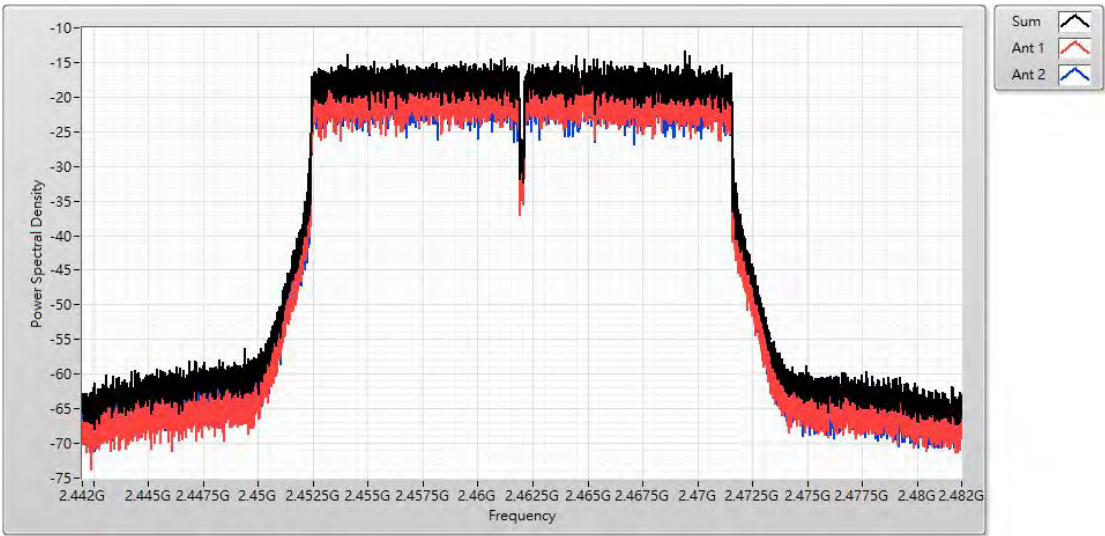
Channel 1 (2412MHz)



Channel 6 (2437MHz)



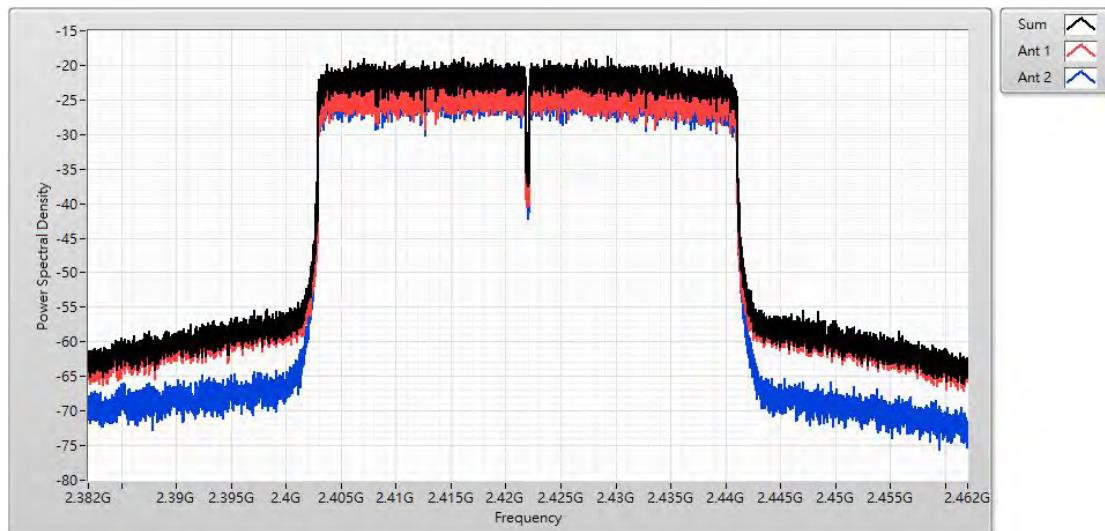
Channel 11 (2462MHz)



Product	Mesh Wi-Fi Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/01/28	Test Site	SR12-H
Temperature (°C)	21.0	Humidity (%RH)	67.0

IEEE 802.11ax(40M)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/10kHz)	Limit (dBm/3kHz)	Result
3	2422	-18.590	≤ 7.256	Pass
6	2437	-16.780	≤ 7.256	Pass
9	2452	-17.020	≤ 7.256	Pass

Channel 3 (2422MHz)



Channel 6 (2437MHz)



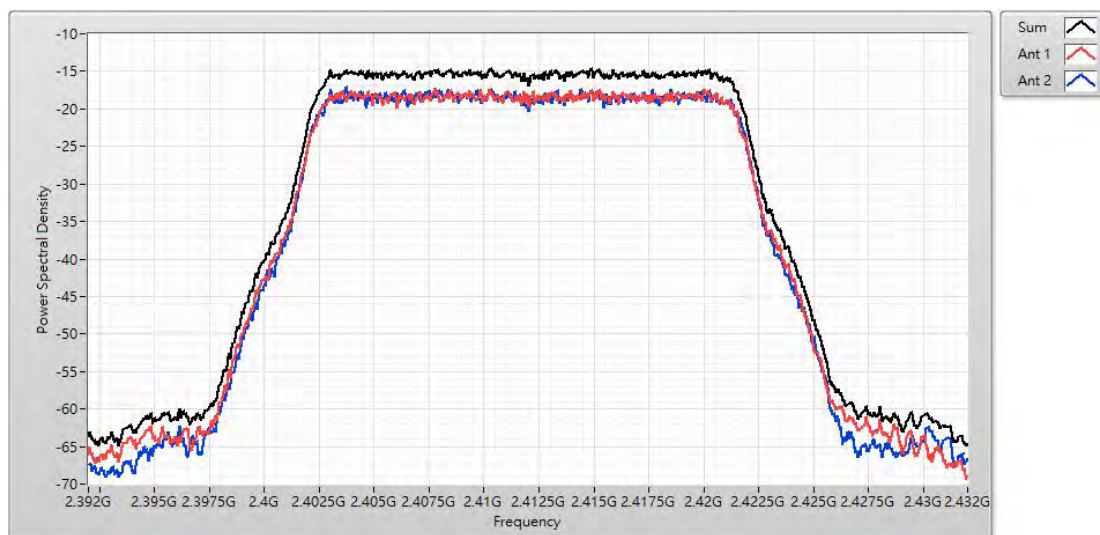
Channel 9 (2452MHz)



Product	Mesh Wi-Fi Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/02/08	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	66.0

IEEE 802.11ax(20M)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/10kHz)	Limit (dBm/3kHz)	Result
1	2412	-14.570	≤ 7.256	Pass
6	2437	-10.670	≤ 7.256	Pass
11	2462	-14.180	≤ 7.256	Pass

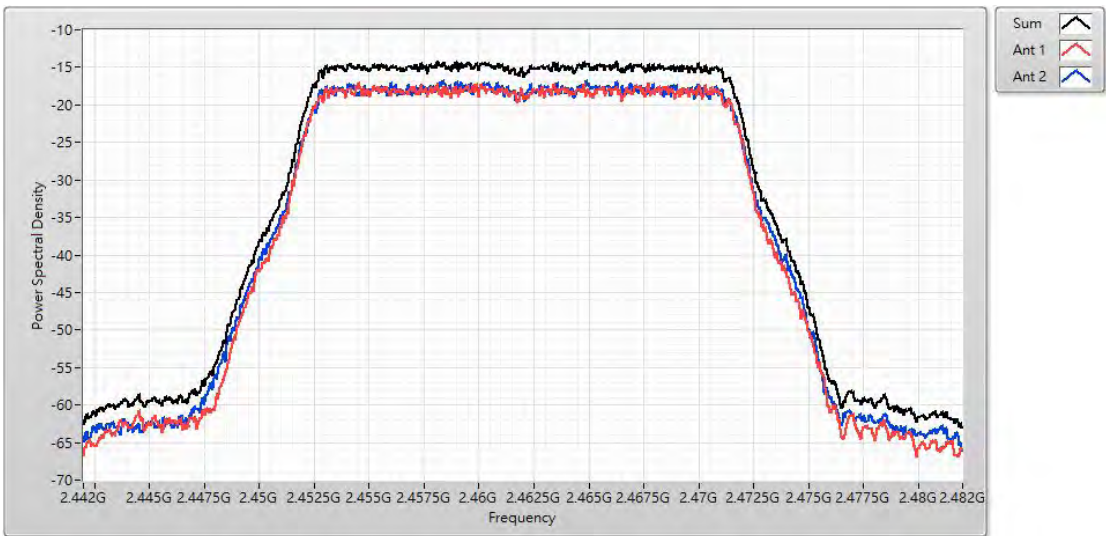
Channel 1 (2412MHz)



Channel 6 (2437MHz)



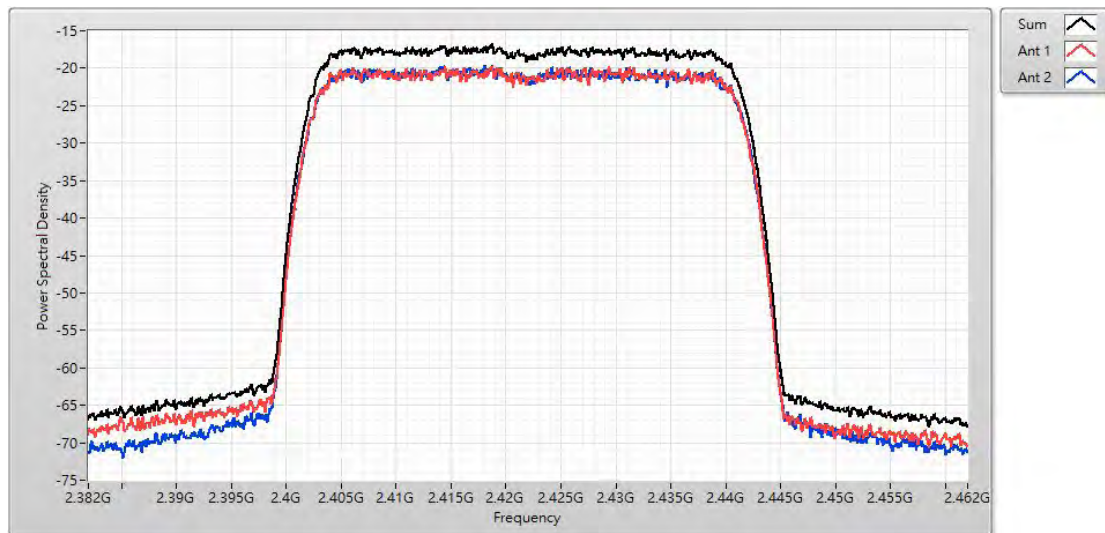
Channel 11 (2462MHz)



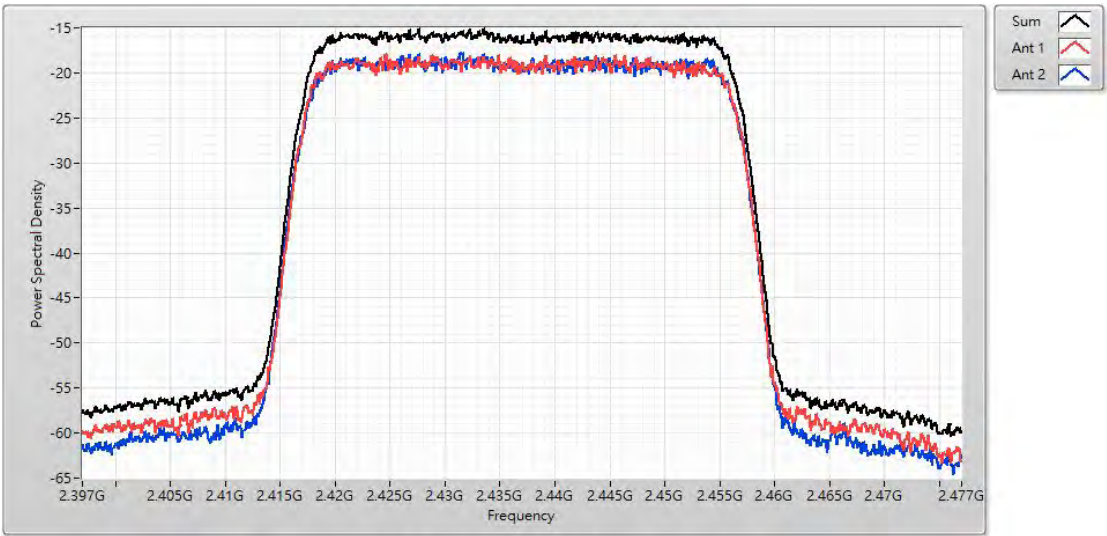
Product	Mesh Wi-Fi Router		
Test Item	Power Density		
Test Mode	Mode 1: Transmit_Non-BF_EBM552U		
Date of Test	2021/02/08	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	66.0

IEEE 802.11ax(40M)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/10kHz)	Limit (dBm/3kHz)	Result
3	2422	-16.770	≤ 7.256	Pass
6	2437	-15.070	≤ 7.256	Pass
9	2452	-15.760	≤ 7.256	Pass

Channel 3 (2422MHz)



Channel 6 (2437MHz)



Channel 9 (2452MHz)

