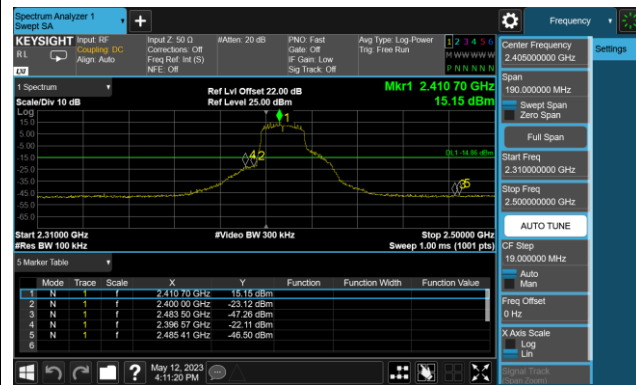
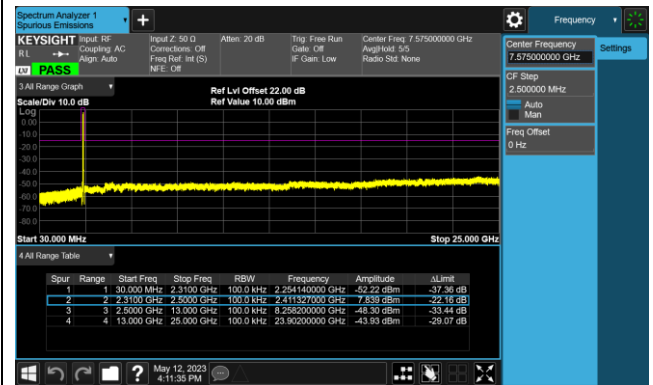


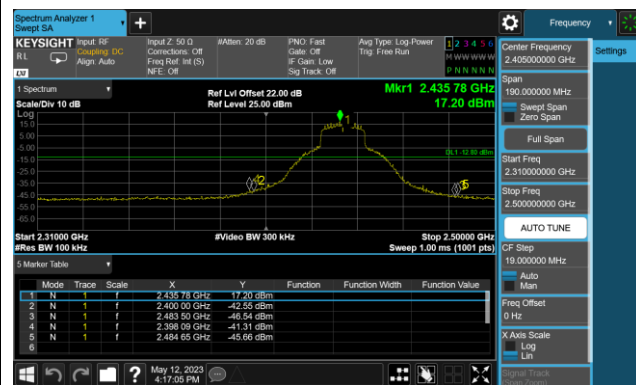
802.11 n20 CH01 (2412MHz)



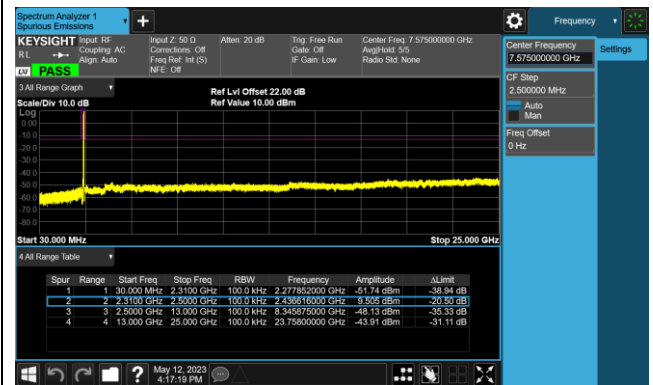
802.11 n20 CH01 (2412MHz)



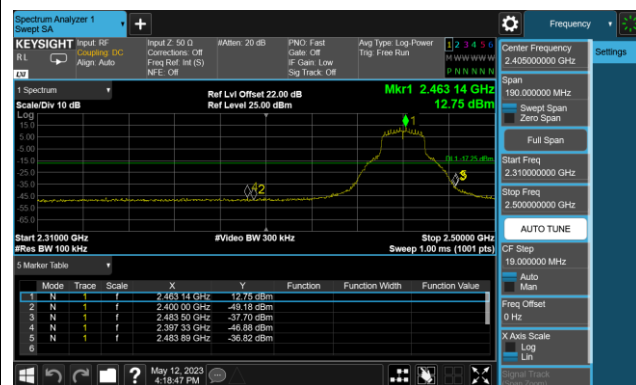
802.11 n20 CH06 (2437MHz)



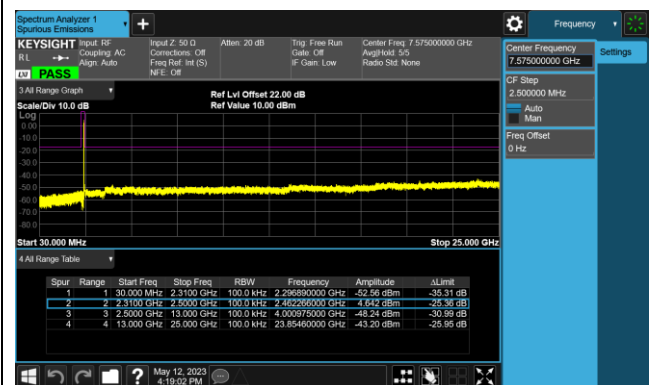
802.11 n20 CH06 (2437MHz)



802.11 n20 CH11 (2462MHz)



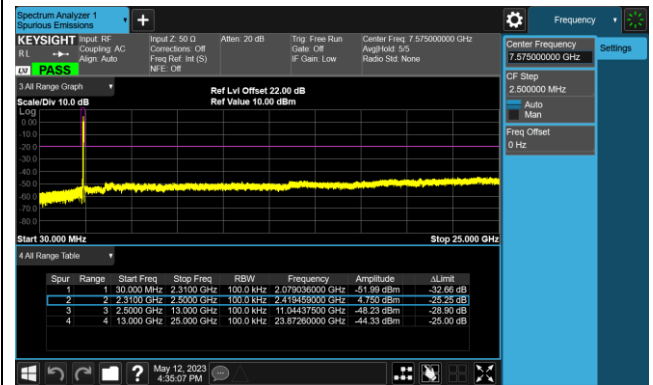
802.11 n20 CH11 (2462MHz)



802.11 n40 CH03 (2422MHz)



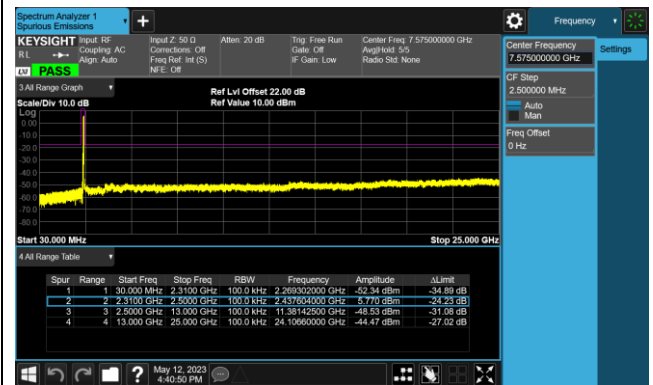
802.11 n40 CH03 (2422MHz)



802.11 n40 CH06 (2437MHz)



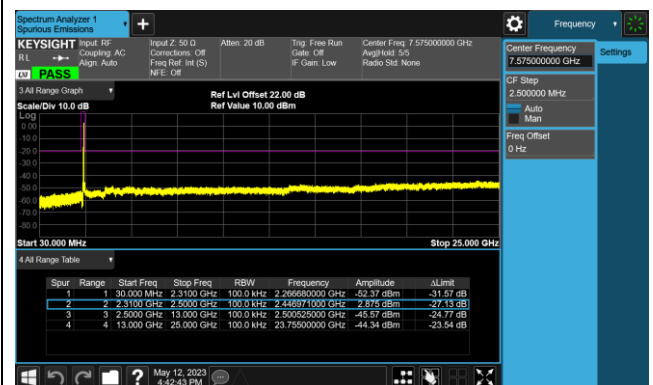
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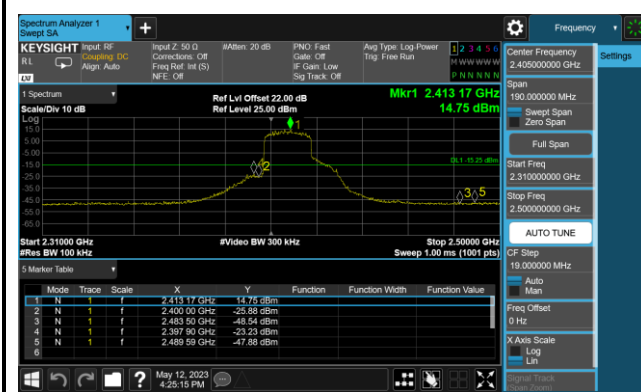
802.11 n40 CH09 (2452MHz)



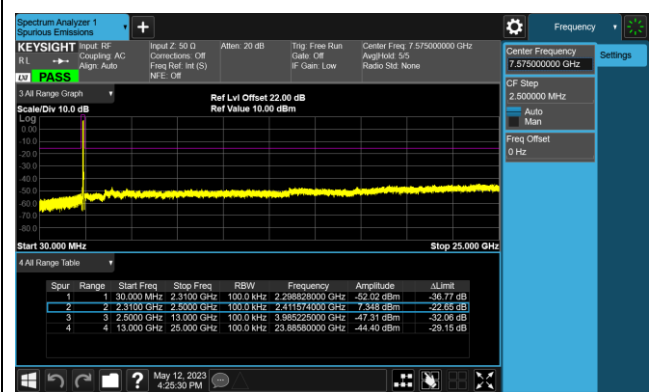
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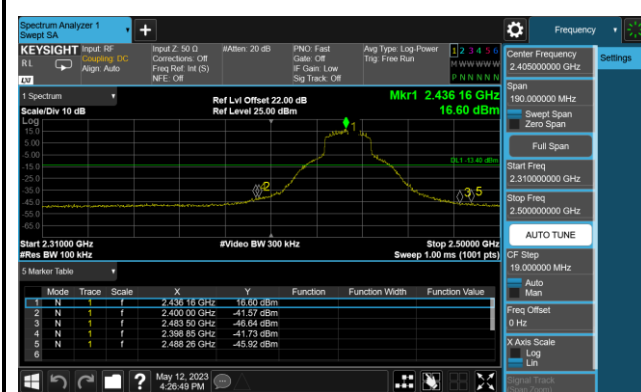
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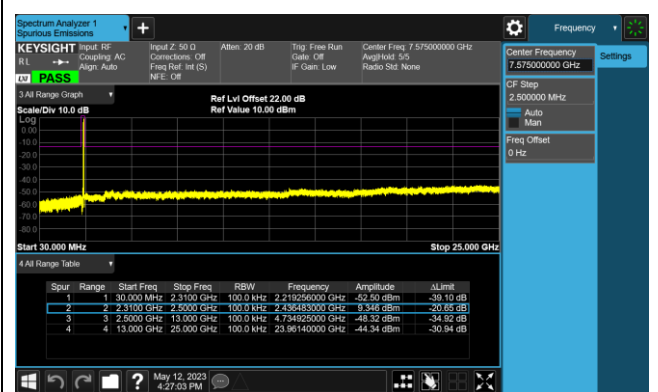
802.11 ax20 CH01 (2412MHz)



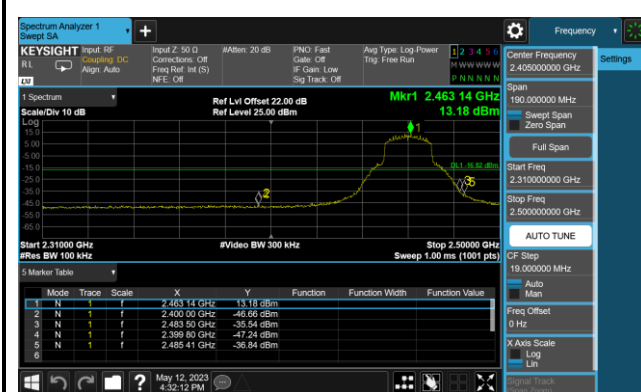
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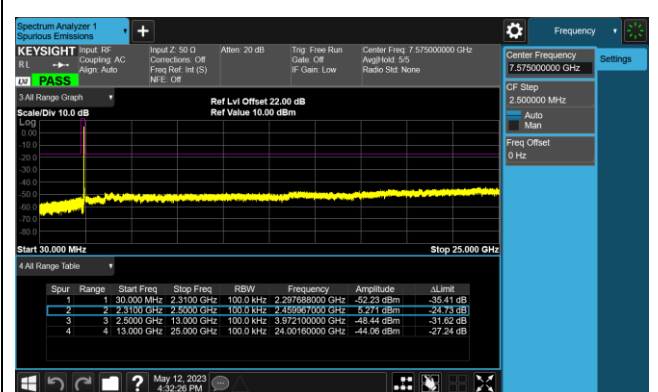
802.11 ax20 CH06 (2437MHz)



802.11 ax20 CH11 (2462MHz)



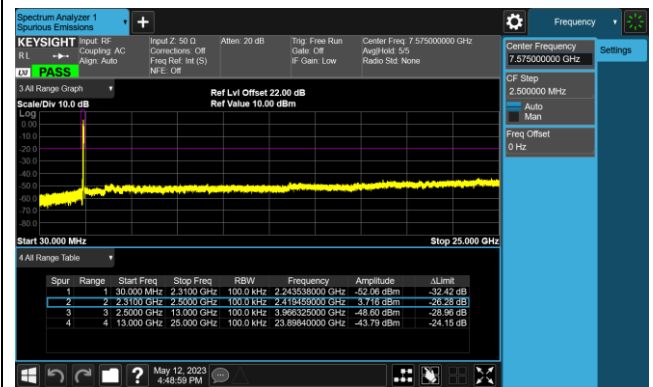
802.11 ax20 CH11 (2462MHz)



802.11 ax40 CH03 (2422MHz)



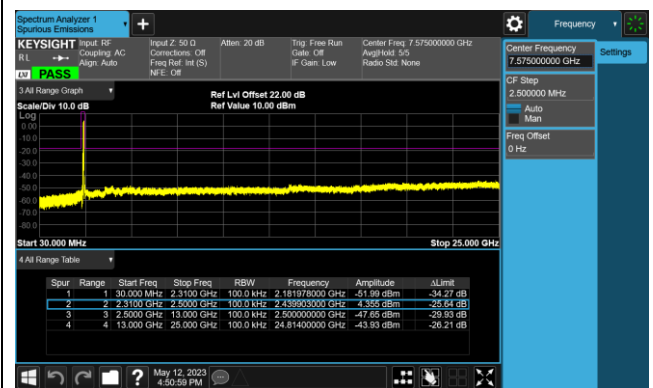
802.11 ax40 CH03 (2422MHz)



802.11 ax40 CH06 (2437MHz)



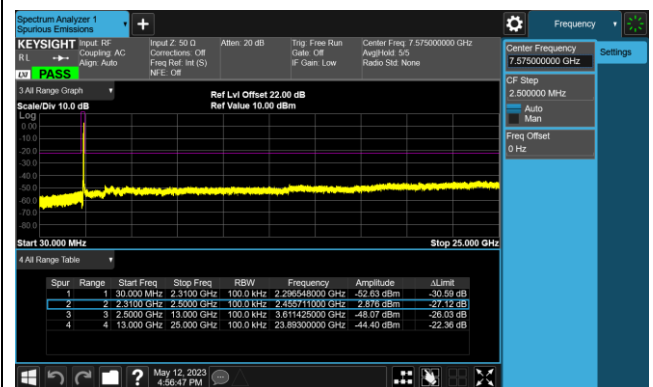
802.11 ax40 CH06 (2437MHz)



802.11 ax40 CH09 (2452MHz)

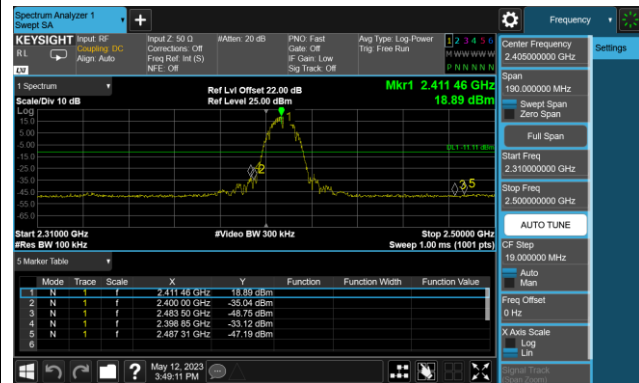


802.11 ax40 CH09 (2452MHz)

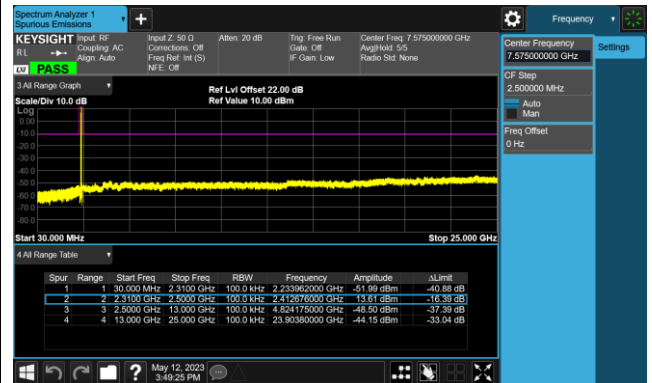


Ant 1

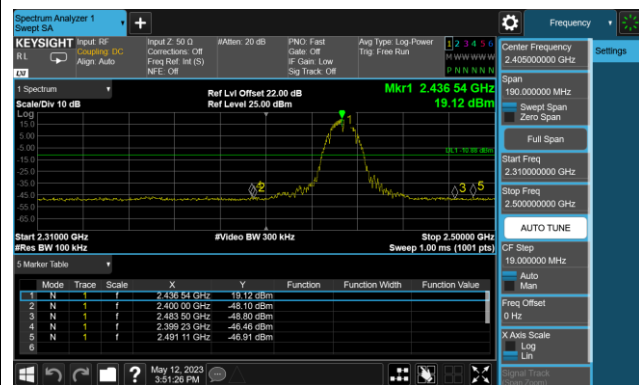
802.11 b CH01 (2412MHz)



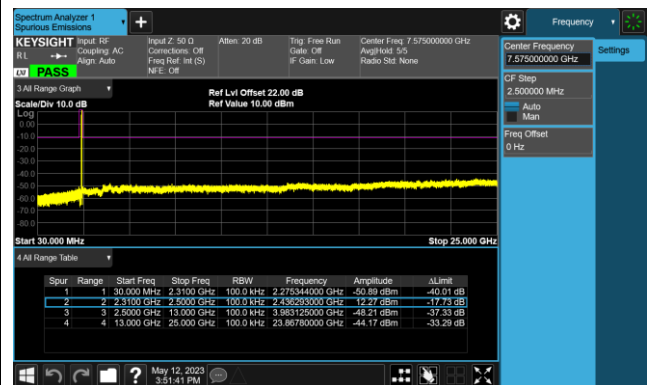
802.11 b CH01 (2412MHz)



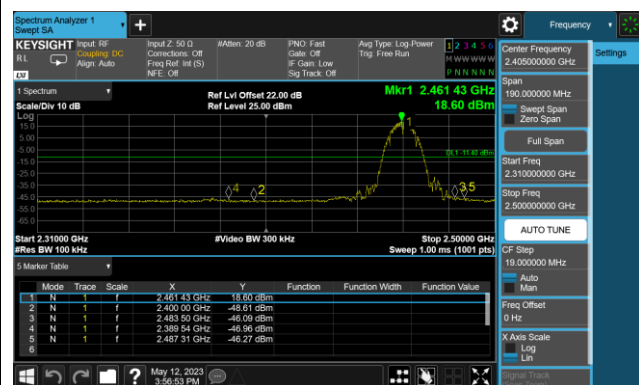
802.11 b CH06 (2437MHz)



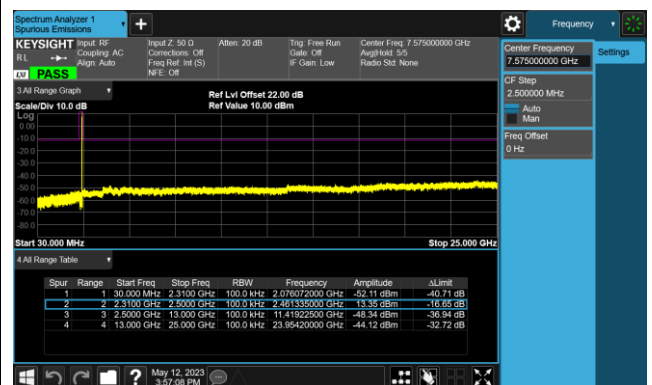
802.11 b CH06 (2437MHz)

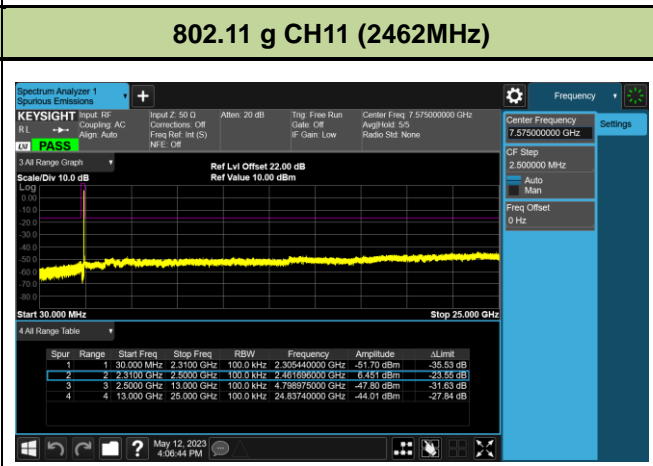
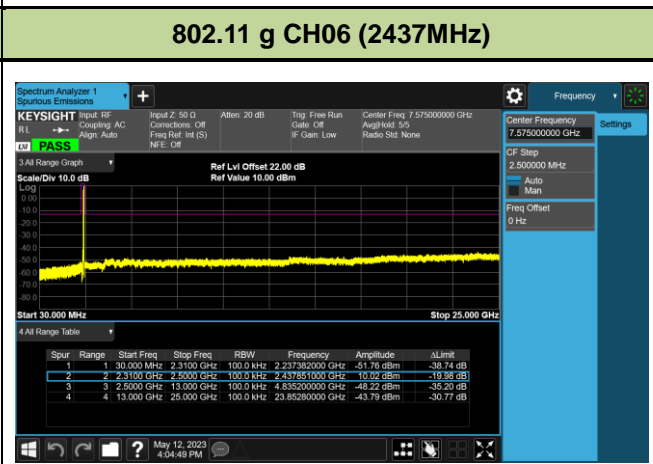
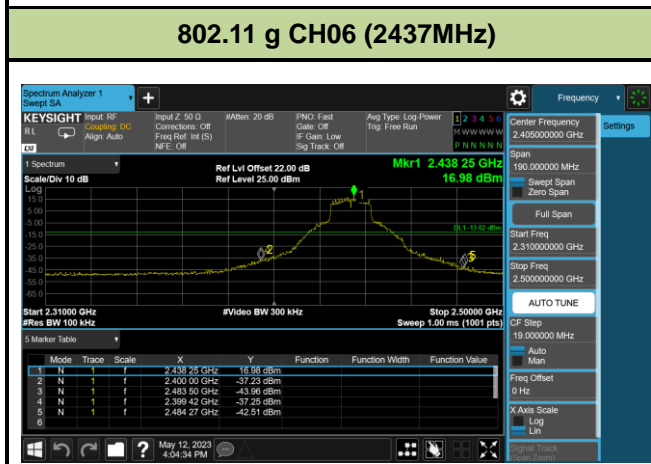
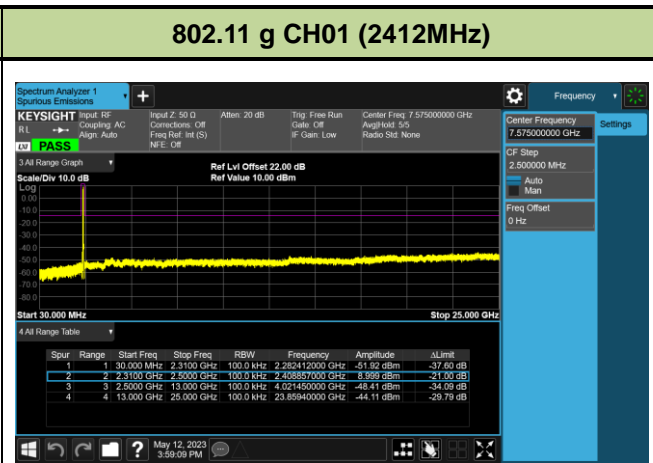
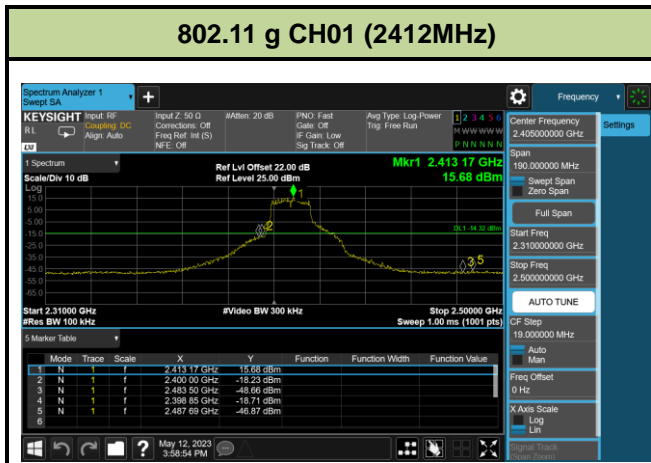


802.11 b CH11 (2462MHz)



802.11 b CH11 (2462MHz)



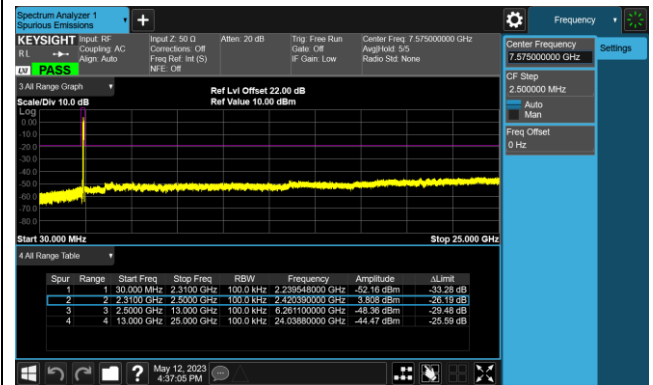




802.11 n40 CH03 (2422MHz)



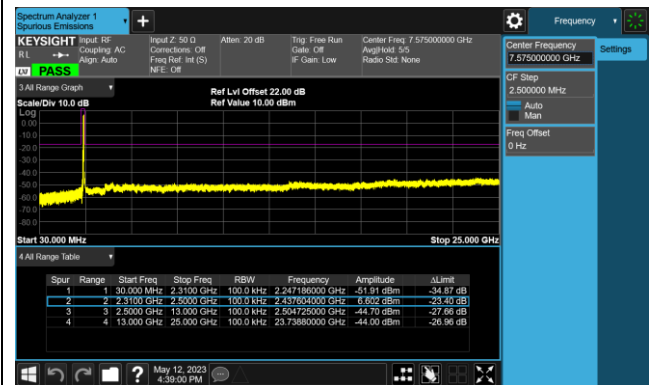
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802.11 n40 CH06 (2437MHz)



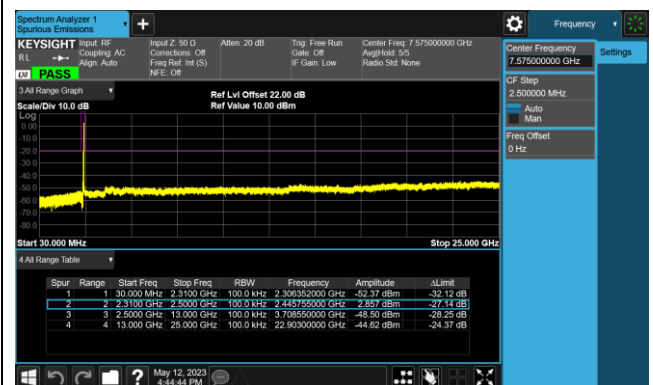
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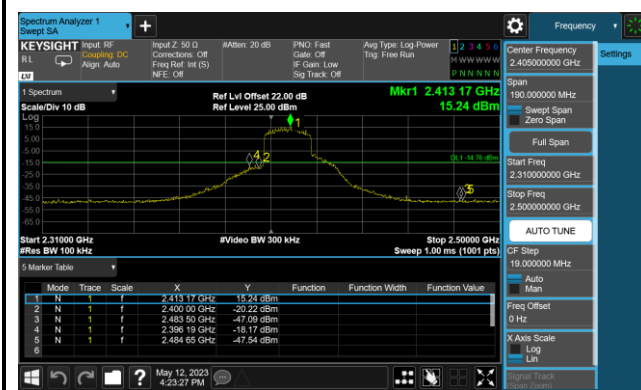
802.11 n40 CH09 (2452MHz)



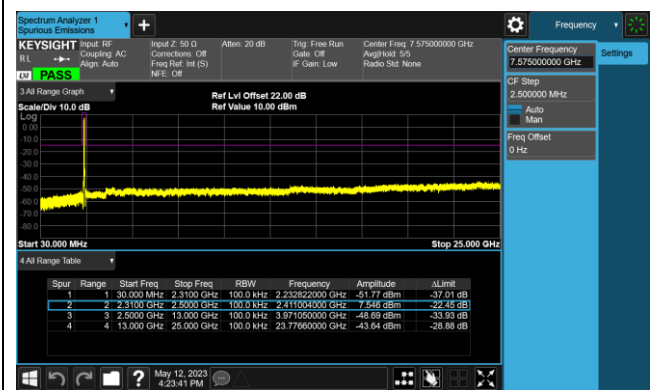
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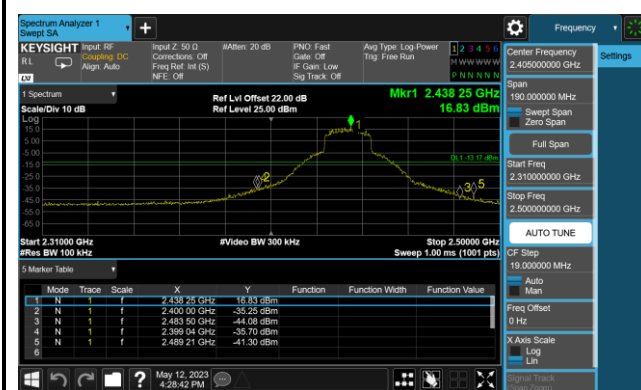
802.11 ax20 CH01 (2412MHz)



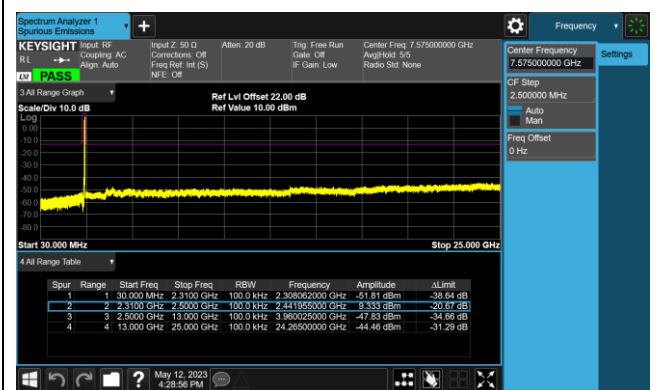
802.11 ax20 CH01 (2412MHz)



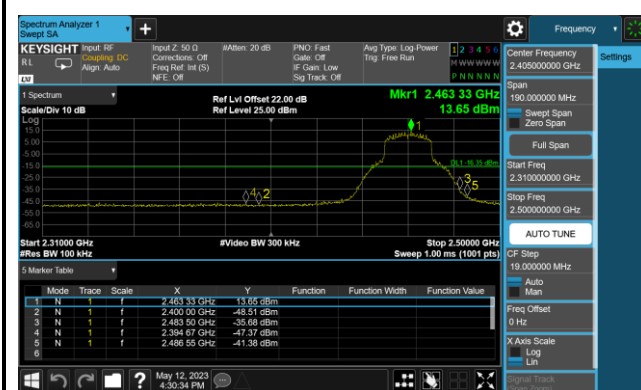
802.11 ax20 CH06 (2437MHz)



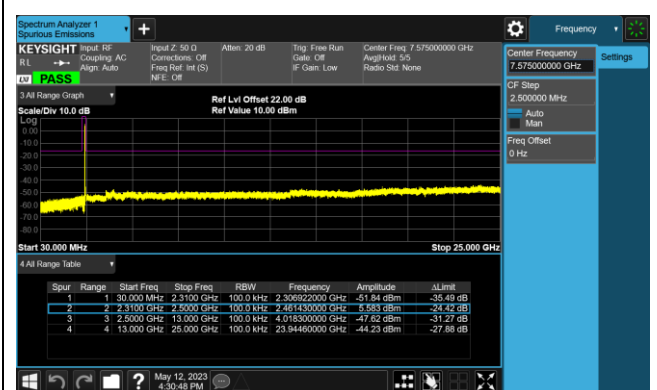
802.11 ax20 CH06 (2437MHz)



802.11 ax20 CH11 (2462MHz)



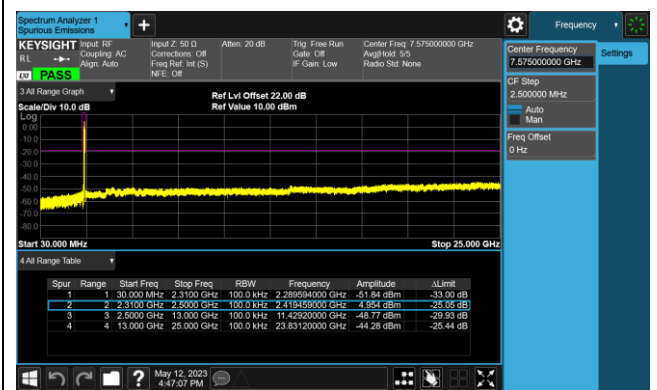
802.11 ax20 CH11 (2462MHz)



802.11 ax40 CH03 (2422MHz)



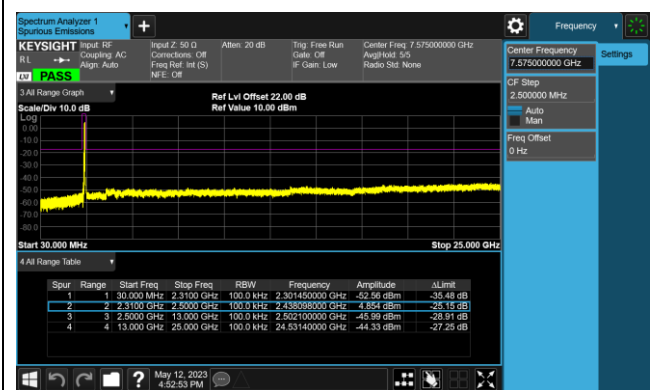
802.11 ax40 CH03 (2422MHz)



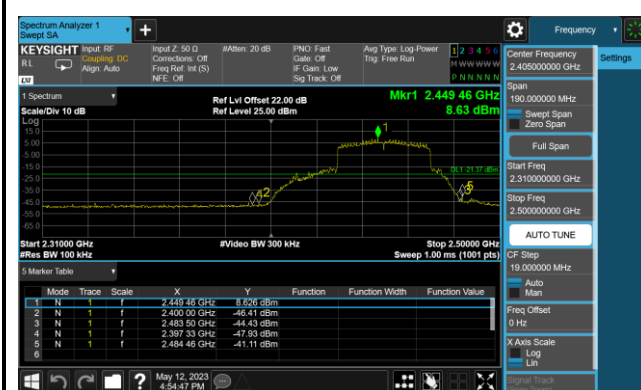
802.11 ax40 CH06 (2437MHz)



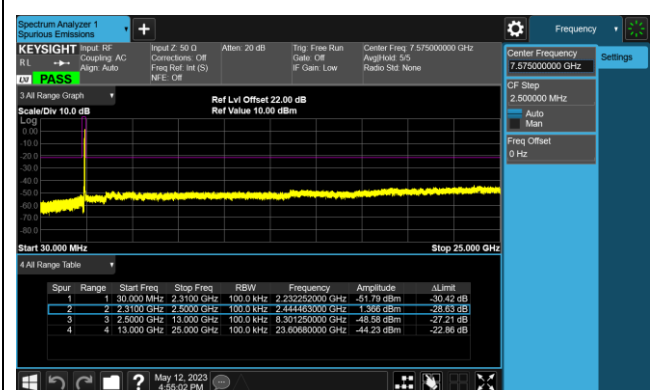
802.11 ax40 CH06 (2437MHz)



802.11 ax40 CH09 (2452MHz)



802.11 ax40 CH09 (2452MHz)



7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [Uv/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.6.2. Test Procedure Used

ANSI C63.10-2013 Section 11.11 & 11.12

ANSI C63.10 - 2013 Section 6.3 (General Requirements)

ANSI C63.10 - 2013 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 - 2013 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 - 2013 Section 6.6 (Standard test method above 1GHz)

7.6.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000MHz	1MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

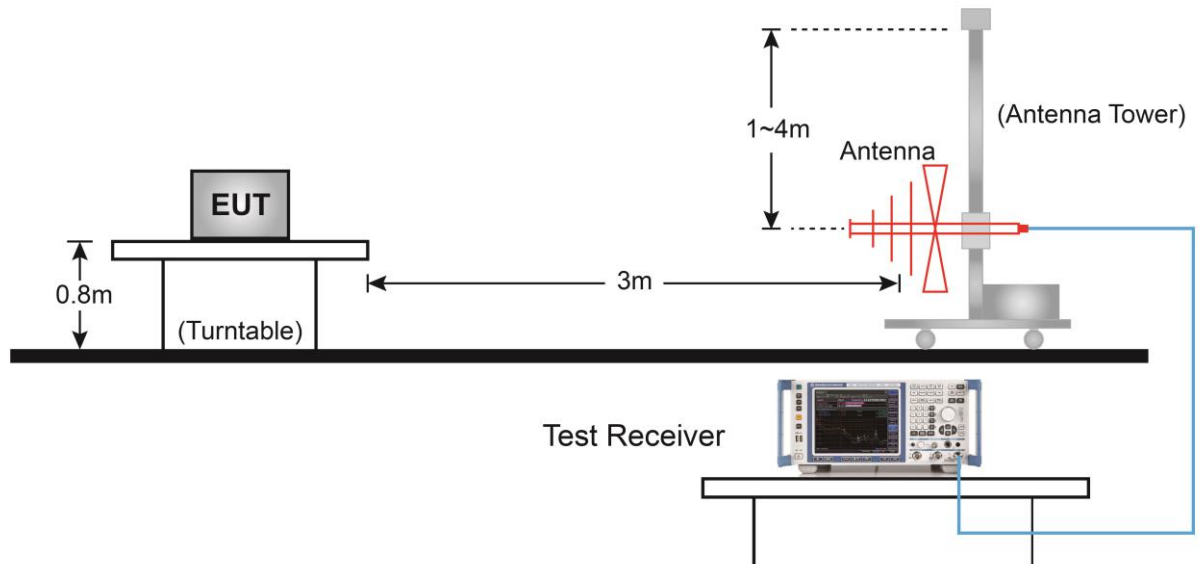
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

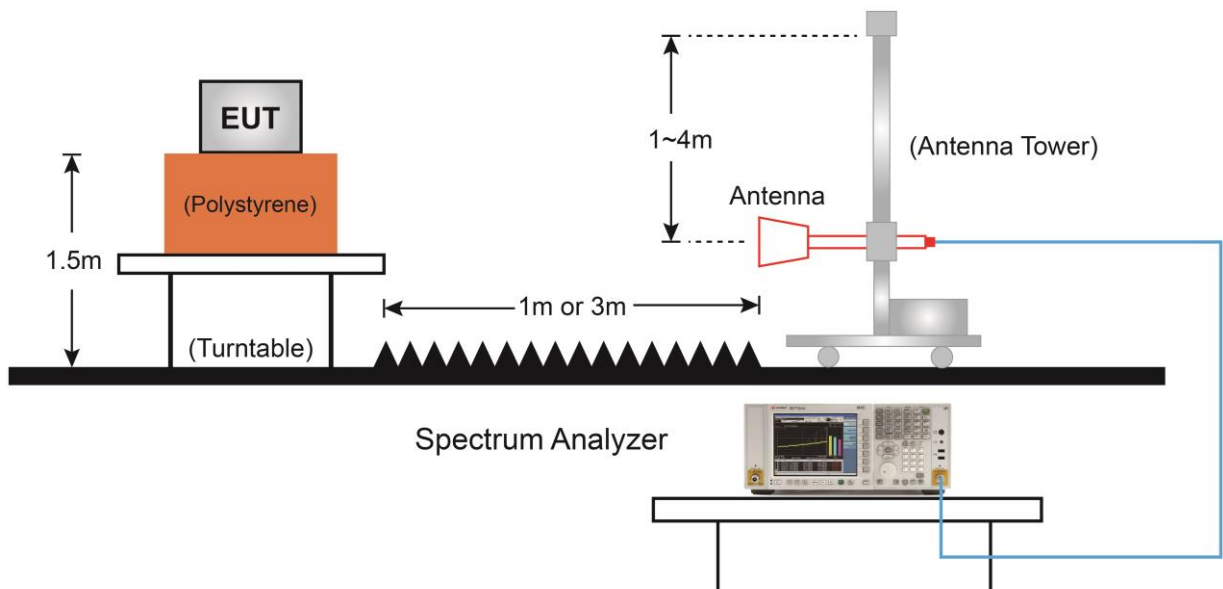
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

7.6.4. Test Setup

Below 1GHz Test Setup:

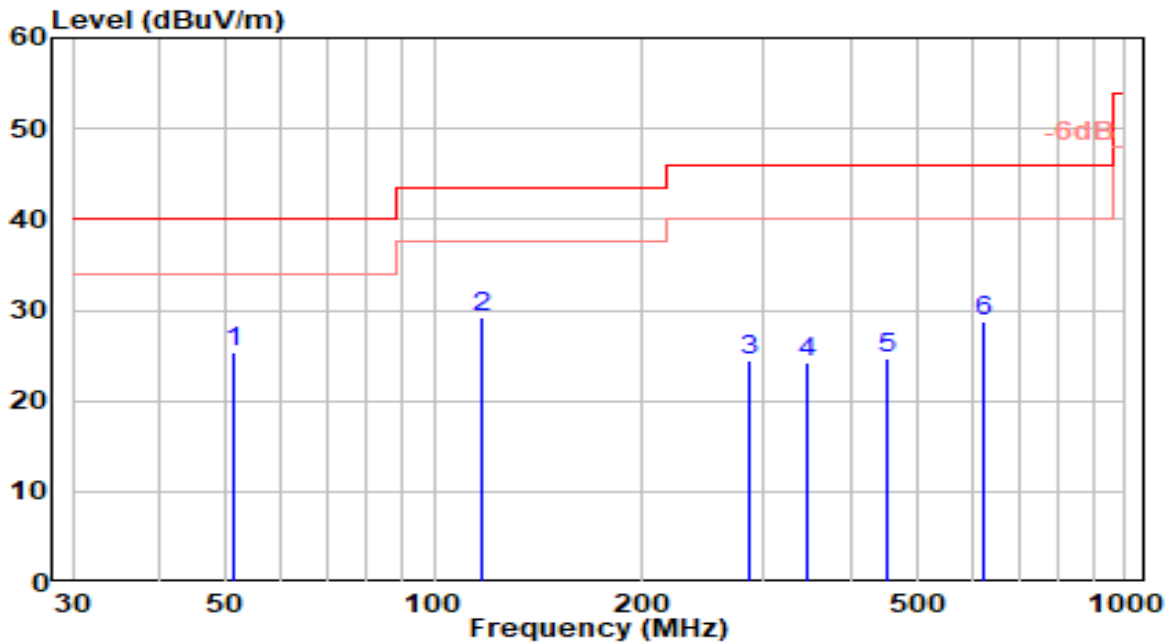


Above 1GHz Test Setup:



7.6.5. Test Result

EUT	AX3000 Multi-Gigabit Wi-Fi 6 Router	Date of Test	2023-05-19
Factor	VULB 9162	Temp. / Humidity	20°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/60Hz

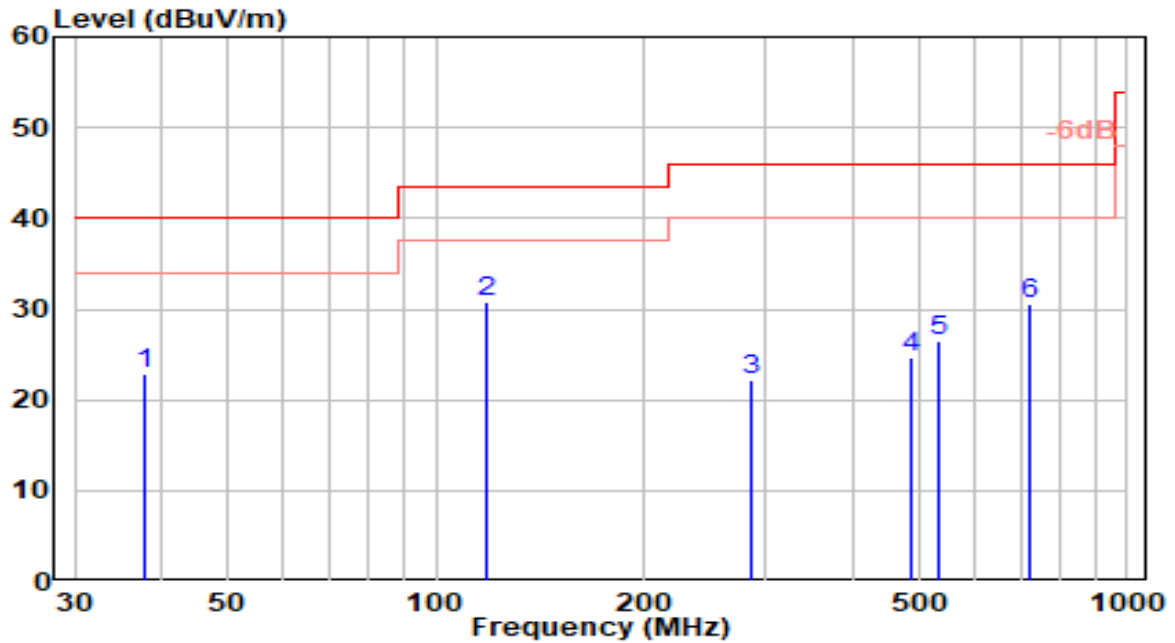


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	51.340	4.84	20.49	25.32	-14.68	40.00	150	45	QP
2	* 117.300	12.09	17.01	29.11	-14.39	43.50	150	279	QP
3	285.110	4.31	20.20	24.51	-21.49	46.00	150	163	QP
4	345.250	2.03	22.15	24.18	-21.82	46.00	150	42	QP
5	451.950	1.09	23.60	24.68	-21.32	46.00	150	28	QP
6	625.580	1.89	26.93	28.81	-17.19	46.00	150	285	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX3000 Multi-Gigabit Wi-Fi 6 Router	Date of Test	2023-05-19
Factor	VULB 9162	Temp. / Humidity	20°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/60Hz

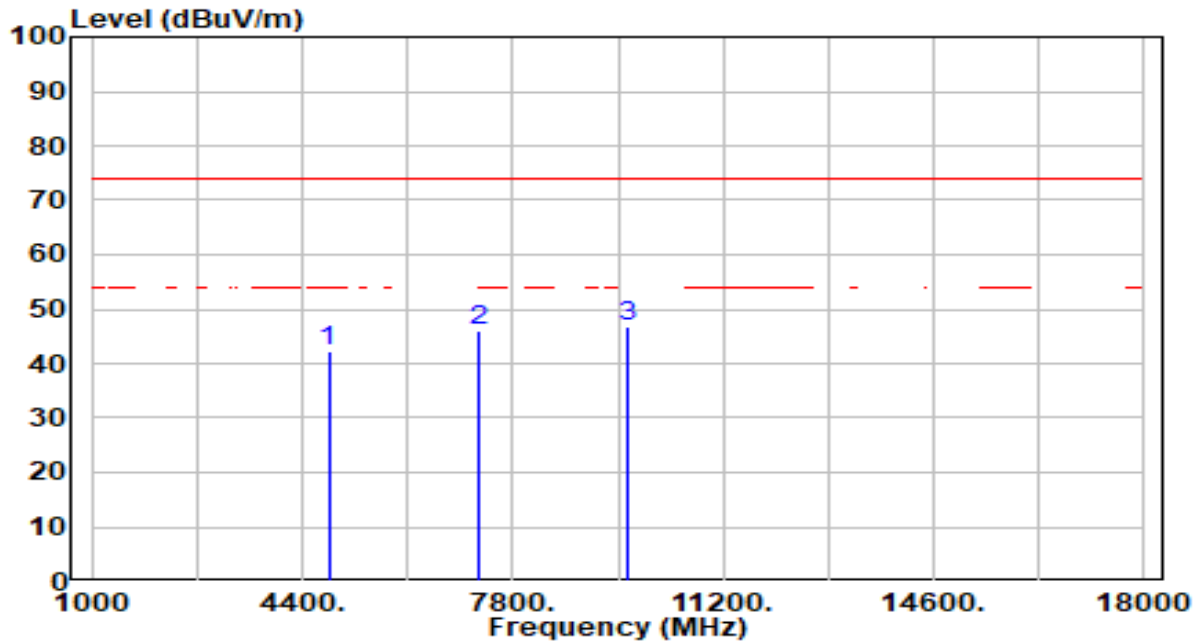


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	37.760	4.41	18.51	22.92	-17.08	40.00	150	48	QP
2	* 118.270	13.95	16.87	30.82	-12.68	43.50	150	309	QP
3	287.050	1.89	20.26	22.15	-23.85	46.00	150	101	QP
4	486.870	0.17	24.55	24.72	-21.28	46.00	150	49	QP
5	531.490	1.18	25.31	26.49	-19.51	46.00	150	221	QP
6	721.610	2.22	28.25	30.47	-15.53	46.00	150	26	QP

Note:

- " *", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX3000 Multi-Gigabit Wi-Fi 6 Router	Date of Test	2023-05-10
Factor	DRH18-E	Temp. / Humidity	20°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11b_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/60Hz

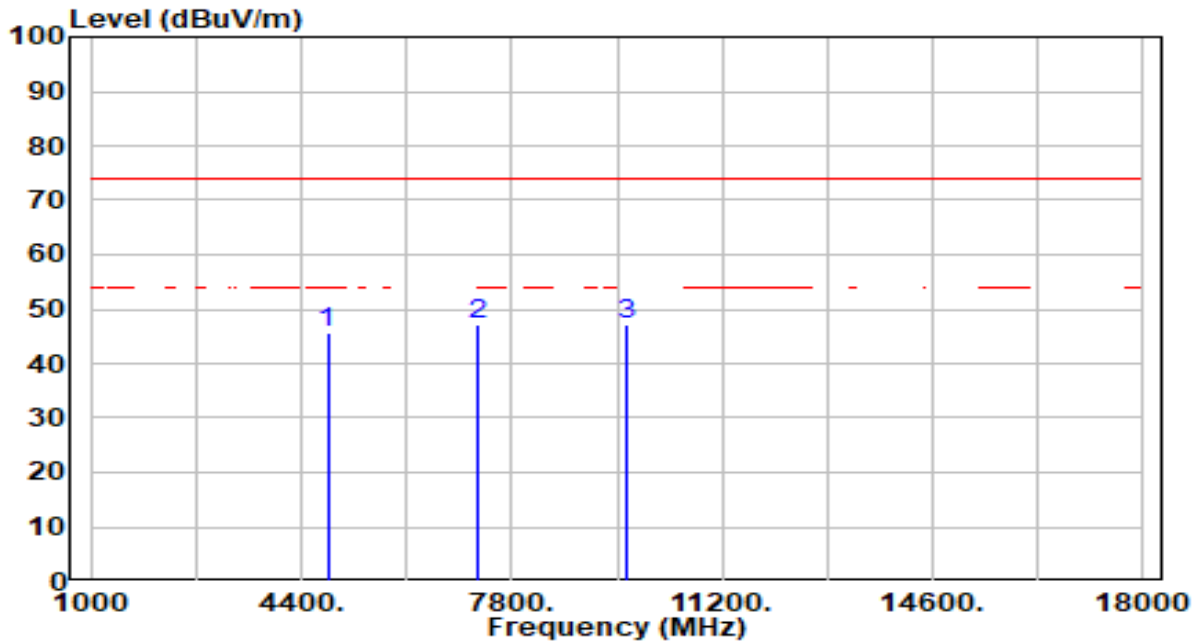


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4824.000	43.49	-1.23	42.27	-31.73	74.00	200	186	Peak
2	7236.000	42.06	4.16	46.22	-27.78	74.00	300	316	Peak
3	* 9648.000	43.38	3.29	46.67	-27.33	74.00	219	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX3000 Multi-Gigabit Wi-Fi 6 Router	Date of Test	2023-05-10
Factor	DRH18-E	Temp. / Humidity	20°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11b_TX_CH 1_ANT 0+1	Test Voltage	AC 120V/60Hz

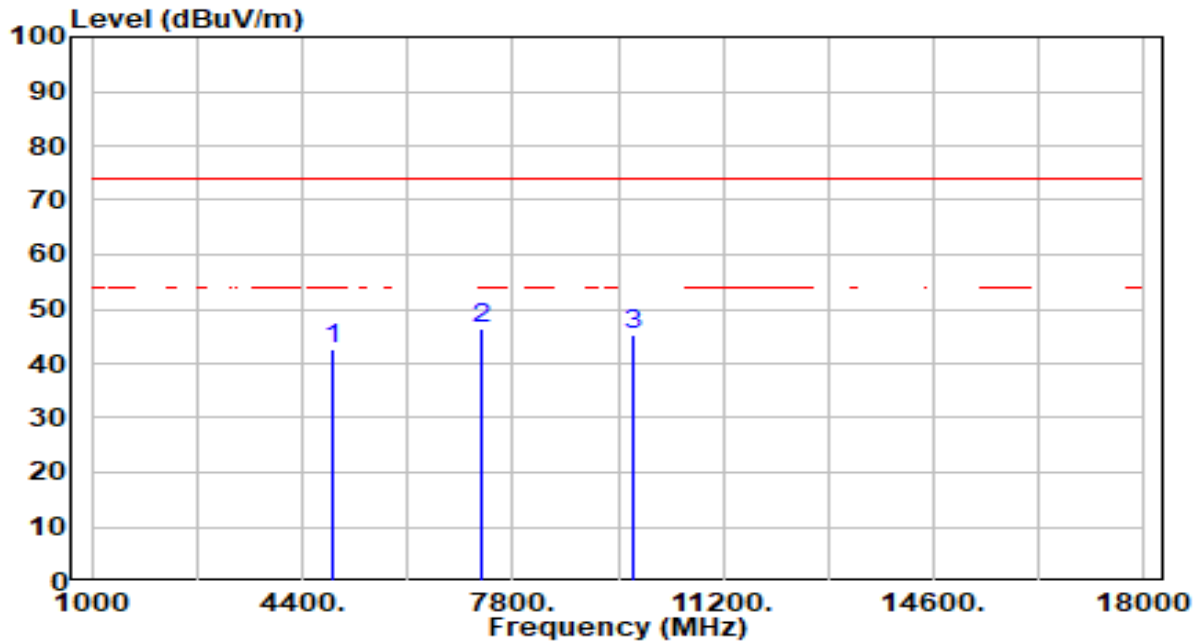


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4824.000	47.02	-1.23	45.79	-28.21	74.00	300	226	Peak
2	* 7236.000	43.15	4.16	47.31	-26.69	74.00	300	258	Peak
3	9648.000	43.83	3.29	47.12	-26.88	74.00	100	130	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX3000 Multi-Gigabit Wi-Fi 6 Router	Date of Test	2023-05-10
Factor	DRH18-E	Temp. / Humidity	20°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11b_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/60Hz

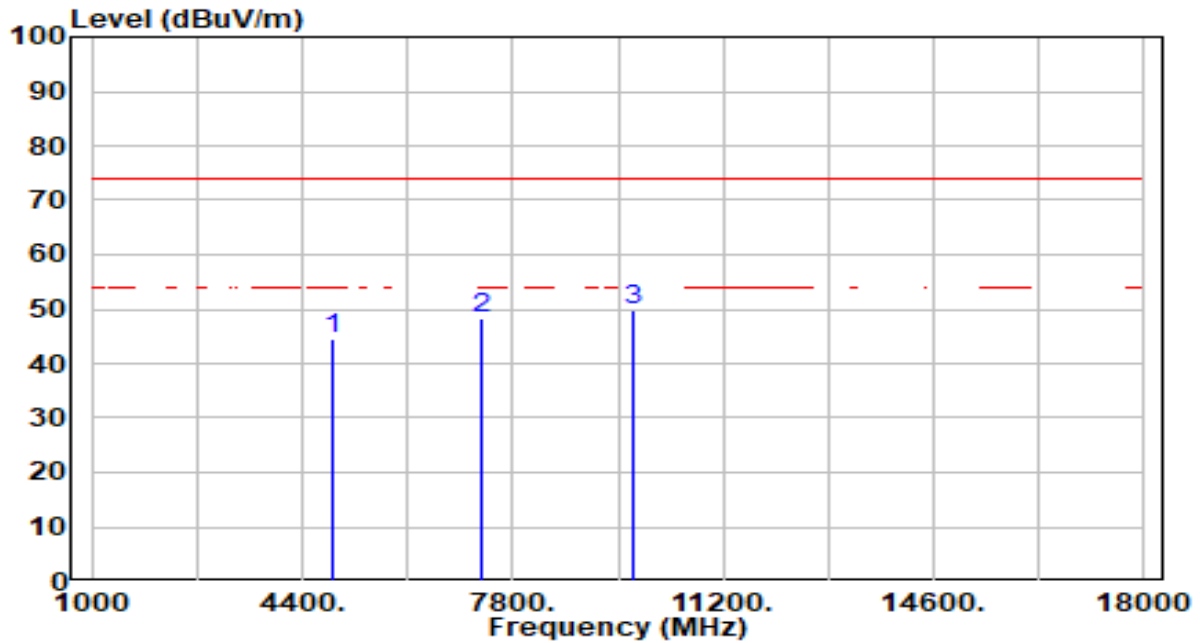


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4874.000	43.67	-1.13	42.54	-31.46	74.00	200	184	Peak
2	* 7311.000	42.09	4.14	46.23	-27.77	74.00	200	157	Peak
3	9748.000	41.86	3.33	45.19	-28.81	74.00	200	357	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AX3000 Multi-Gigabit Wi-Fi 6 Router	Date of Test	2023-05-10
Factor	DRH18-E	Temp. / Humidity	20°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11b_TX_CH 6_ANT 0+1	Test Voltage	AC 120V/60Hz



No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4874.000	45.73	-1.13	44.61	-29.39	74.00	300	242	Peak
2	7311.000	44.16	4.14	48.30	-25.70	74.00	300	335	Peak
3	* 9748.000	46.32	3.33	49.65	-24.35	74.00	300	125	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.