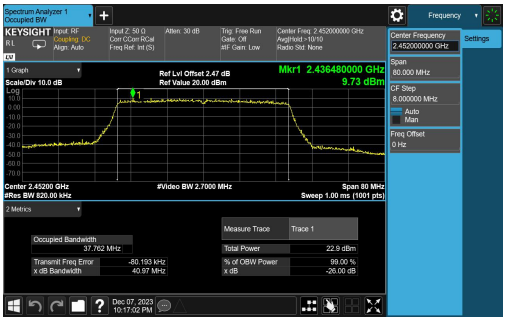
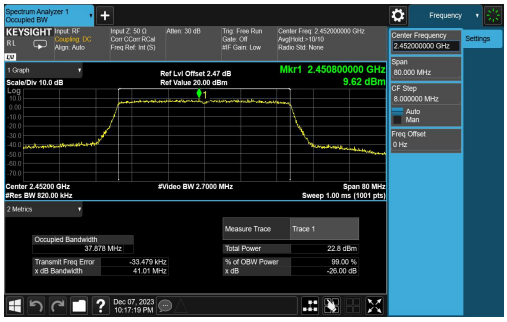
11AX40MIMO-Ant1-2452	11AX40MIMO-Ant2-2452
	

Appendix B – Test Results of Radiated Test

B.1 Radiated Band Edges and Spurious Emission

Test Result_Band Edges

Test Mode & Test Freq.[MHz]	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit dBμV/m]	AVG Margin [dB]	Polarization	Azimuth [deg]
802.11b_2412	2,389.950	60.02	74.00	13.98	46.23	54.00	7.77	V	128.8
802.11b_2462	2,483.500	60.25	74.00	13.75	46.53	54.00	7.47	V	10.2
802.11g_2412	2,390.275	60.72	74.00	13.28	46.97	54.00	7.03	V	293.4
802.11g_2462	2,483.500	61.17	74.00	12.83	47.05	54.00	6.95	V	128.7
802.11n 20_2412	2,389.950	62.95	74.00	11.05	47.85	54.00	6.15	V	66.6
802.11n 20_2462	2,483.500	61.86	74.00	12.14	47.55	54.00	6.45	V	17.5
802.11n 40_2422	2,390.275	66.58	74.00	7.42	51.62	54.00	2.38	V	89.3
802.11n 40_2452	2,483.375	62.24	74.00	11.76	48.66	54.00	5.34	V	17.5
802.11ax 20_2412	2,389.950	65.63	74.00	8.37	48.85	54.00	5.15	V	204.1
802.11ax 20_2462	2,483.500	64.64	74.00	9.36	48.66	54.00	5.34	V	104.8
802.11ax 40_2422	2,390.275	65.50	74.00	8.50	50.35	54.00	3.65	V	104.9
802.11ax 40_2452	2,483.375	63.67	74.00	10.33	48.82	54.00	5.18	V	9.5

Test Result_Band Edges_Part RU

Test Mode & Test Freq.[MHz]	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit dBμV/m]	AVG Margin [dB]	Polarization	Azimuth [deg]
802.11ax 20_2412_106RU	2,387.025	68.69	74.00	5.31	50.91	54.00	3.09	V	1.7
	2,389.625	71.99	74.00	2.01	50.94	54.00	3.06	V	0
802.11ax 20_2412_26RU	2,387.025	65.65	74.00	8.35	50.97	54.00	3.03	V	254.3
	2,388.000	64.48	74.00	9.52	50.83	54.00	3.17	H	349.1
802.11ax 20_2412_52RU	2,388.650	64.25	74.00	9.75	50.89	54.00	3.11	V	0
	2,389.625	65.03	74.00	8.97	50.84	54.00	3.16	H	106
802.11ax 20_2462_106RU	2,484.400	64.10	74.00	9.90	51.05	54.00	2.95	H	266.2
	2,485.600	64.08	74.00	9.92	51.06	54.00	2.94	H	7.5
802.11ax 20_2462_26RU	2,485.300	64.70	74.00	9.30	51.13	54.00	2.87	V	0
	2,487.700	64.53	74.00	9.47	51.12	54.00	2.88	H	192.1
802.11ax 20_2462_52RU	2,484.400	65.42	74.00	8.58	51.08	54.00	2.92	H	205
	2,486.200	64.85	74.00	9.15	51.10	54.00	2.90	H	1
802.11ax 40_2422_242RU	2,389.800	64.61	74.00	9.39	50.99	54.00	3.01	V	55.8
	2,484.325	64.12	74.00	9.88	51.12	54.00	2.88	H	360

802.11ax 40_2452_242RU	2,387.425	64.05	74.00	9.95	50.83	54.00	3.17	H	280.2
	2,484.325	64.70	74.00	9.30	51.10	54.00	2.90	H	93.8

Test Result_Spurious Emission

Note1: Test result Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier the Emissions in the frequency band 9kHz-30MHz and 18GHz-26.5GHz are more than 20dB below the limit are not reported.

Note2: 'Low' indicates a frequency range below 1GHz, and 'High' indicates a frequency range above 1GHz.

Test Mode & Test Freq.[MHz]	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit dBμV/m]	AVG Margin [dB]	Polarization	Azimuth [deg]
802.11b_2412_High	4,824.000	52.70	74.00	21.30	40.40	54.00	13.60	V	0
	7,236.000	55.33	74.00	18.67	42.69	54.00	11.31	H	337.6
	9,647.500	46.77	74.00	27.23	33.77	54.00	20.23	H	12.3
	12,060.500	47.49	74.00	26.51	35.49	54.00	18.51	V	360
	14,469.500	48.96	74.00	25.04	36.40	54.00	17.60	H	347.7
	16,884.500	53.58	74.00	20.42	41.11	54.00	12.89	V	13.8
802.11b_2437_High	4,872.500	53.01	74.00	20.99	40.37	54.00	13.63	H	304.5
	7,311.000	55.84	74.00	18.16	43.27	54.00	10.73	V	0.3
	9,746.000	46.80	74.00	27.20	34.55	54.00	19.45	H	0
	12,185.000	47.67	74.00	26.33	35.48	54.00	18.52	H	201.8
	14,624.500	49.48	74.00	24.52	37.13	54.00	16.87	H	360
	17,057.500	53.40	74.00	20.60	40.81	54.00	13.19	V	75
802.11b_2462_High	4,315.000	51.54	74.00	22.46	39.21	54.00	14.79	V	191.9
	4,925.500	53.26	74.00	20.74	40.42	54.00	13.58	H	317.4
	7,384.500	55.81	74.00	18.19	43.46	54.00	10.54	H	7.9
	9,850.000	48.31	74.00	25.69	35.47	54.00	18.53	V	221.7
	12,309.500	48.85	74.00	25.15	36.02	54.00	17.98	V	0
	14,774.500	50.33	74.00	23.67	37.27	54.00	16.73	H	267.4
	17,236.000	53.07	74.00	20.93	40.45	54.00	13.55	H	91.6
802.11g_2412_High	4,823.000	53.19	74.00	20.81	40.68	54.00	13.32	H	358.9
	7,237.000	55.63	74.00	18.37	43.34	54.00	10.66	V	0
	9,648.000	46.70	74.00	27.30	34.29	54.00	19.71	V	358.2
	12,059.500	48.58	74.00	25.42	36.09	54.00	17.91	H	0
	14,472.500	49.76	74.00	24.24	36.98	54.00	17.02	H	13.1
	16,883.000	53.94	74.00	20.06	41.40	54.00	12.60	V	270.2
802.11g_2437_High	4,873.500	52.86	74.00	21.14	40.70	54.00	13.30	V	346
	7,310.000	55.70	74.00	18.30	43.30	54.00	10.70	V	8.5
	9,748.000	47.98	74.00	26.02	34.81	54.00	19.19	H	0

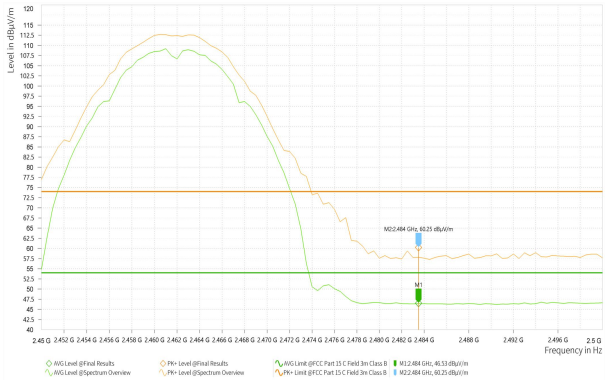
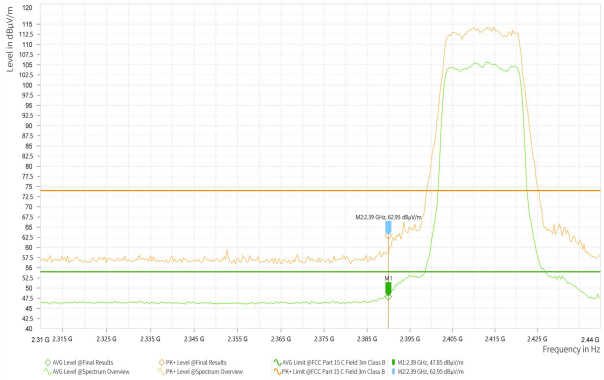
	12,184.000	48.35	74.00	25.65	35.60	54.00	18.40	H	360
	14,620.500	49.85	74.00	24.15	37.20	54.00	16.80	H	318.6
	17,058.500	53.65	74.00	20.35	40.90	54.00	13.10	V	360
802.11g_2462_High	4,925.000	52.91	74.00	21.09	40.66	54.00	13.34	H	244.2
	7,384.500	56.39	74.00	17.61	43.35	54.00	10.65	H	306
	9,848.000	47.79	74.00	26.21	35.55	54.00	18.45	V	270.2
	12,309.500	48.72	74.00	25.28	36.16	54.00	17.84	H	357
	14,779.500	50.42	74.00	23.58	37.48	54.00	16.52	H	238.5
	17,232.500	53.26	74.00	20.74	40.45	54.00	13.55	H	238.5
802.11n 20_2412_High	4,824.000	52.89	74.00	21.11	40.63	54.00	13.37	H	360
	7,236.000	55.64	74.00	18.36	43.43	54.00	10.57	H	359.7
	9,648.500	47.15	74.00	26.85	34.40	54.00	19.60	H	0
	12,059.500	49.00	74.00	25.00	36.19	54.00	17.81	H	216.9
	14,471.500	49.93	74.00	24.07	36.99	54.00	17.01	H	0
	16,884.000	53.67	74.00	20.33	41.38	54.00	12.62	V	360
802.11n 20_2437_High	4,873.500	52.78	74.00	21.22	40.69	54.00	13.31	V	1
	7,311.000	56.22	74.00	17.78	43.41	54.00	10.59	H	359.7
	9,747.500	47.22	74.00	26.78	34.98	54.00	19.02	H	287.4
	12,184.000	47.96	74.00	26.04	35.82	54.00	18.18	H	360
	14,621.500	49.39	74.00	24.61	37.26	54.00	16.74	H	360
	17,059.000	54.19	74.00	19.81	40.88	54.00	13.12	V	72.6
802.11n 20_2462_High	4,924.500	53.57	74.00	20.43	40.73	54.00	13.27	H	0
	7,386.000	56.31	74.00	17.69	43.61	54.00	10.39	H	360
	9,847.500	48.52	74.00	25.48	35.88	54.00	18.12	V	12.3
	12,309.500	49.12	74.00	24.88	36.21	54.00	17.79	H	0
	14,770.500	50.28	74.00	23.72	37.78	54.00	16.22	V	12.3
	17,233.000	53.13	74.00	20.87	40.63	54.00	13.37	H	10.9
802.11n 40_2422_High	4,844.000	53.24	74.00	20.76	40.60	54.00	13.40	H	188.3
	7,266.000	55.46	74.00	18.54	43.39	54.00	10.61	H	360
	9,688.500	47.91	74.00	26.09	34.45	54.00	19.55	H	73.8
	12,110.000	48.96	74.00	25.04	36.33	54.00	17.67	H	0
	14,531.500	50.21	74.00	23.79	37.24	54.00	16.76	H	201.8
	16,954.000	54.14	74.00	19.86	41.05	54.00	12.95	V	360
802.11n 40_2437_High	4,873.500	53.22	74.00	20.78	40.67	54.00	13.33	H	53.2
	7,312.000	55.76	74.00	18.24	43.46	54.00	10.54	V	0
	9,747.500	47.46	74.00	26.54	35.12	54.00	18.88	H	158.4
	12,184.500	48.39	74.00	25.61	35.69	54.00	18.31	H	139.4
	14,621.000	50.17	74.00	23.83	37.15	54.00	16.85	H	0
	17,059.000	53.56	74.00	20.44	41.00	54.00	13.00	H	348.4

802.11n 40_2452_High	4,903.500	53.02	74.00	20.98	40.57	54.00	13.43	H	0
	7,356.500	55.93	74.00	18.07	43.50	54.00	10.50	H	255.5
	9,807.000	48.12	74.00	25.88	35.65	54.00	18.35	H	360
	12,259.500	48.32	74.00	25.68	36.22	54.00	17.78	H	360
	14,712.500	49.80	74.00	24.20	37.16	54.00	16.84	H	0
	17,165.000	52.55	74.00	21.45	40.30	54.00	13.70	H	0
802.11ax 20_2412_High	4,823.500	52.68	74.00	21.32	40.67	54.00	13.33	H	1
	7,235.500	55.60	74.00	18.40	43.23	54.00	10.77	H	0.2
	9,648.000	47.14	74.00	26.86	34.41	54.00	19.59	H	11.6
	12,059.000	48.91	74.00	25.09	36.17	54.00	17.83	H	0
	14,471.500	50.30	74.00	23.70	37.04	54.00	16.96	H	0
	16,883.500	53.93	74.00	20.07	41.16	54.00	12.84	V	72.6
802.11ax 20_2437_High	4,873.500	53.80	74.00	20.20	40.76	54.00	13.24	H	360
	7,311.000	56.26	74.00	17.74	43.45	54.00	10.55	H	23.6
	9,747.000	47.53	74.00	26.47	35.13	54.00	18.87	V	0
	12,186.500	48.42	74.00	25.58	35.90	54.00	18.10	V	200.6
	14,622.500	50.06	74.00	23.94	37.27	54.00	16.73	H	0
	17,059.500	53.45	74.00	20.55	40.93	54.00	13.07	H	201.8
802.11ax 20_2462_High	4,923.500	53.55	74.00	20.45	40.80	54.00	13.20	H	259.9
	7,385.500	56.22	74.00	17.78	43.56	54.00	10.44	V	360
	9,848.500	48.71	74.00	25.29	35.94	54.00	18.06	H	360
	12,311.000	48.60	74.00	25.40	36.12	54.00	17.88	H	198.2
	14,773.000	50.32	74.00	23.68	37.72	54.00	16.28	H	198.2
	17,235.500	53.50	74.00	20.50	40.42	54.00	13.58	V	360
802.11ax 40_2422_High	4,843.500	53.21	74.00	20.79	40.61	54.00	13.39	H	258.8
	7,266.500	56.05	74.00	17.95	43.45	54.00	10.55	V	360
	9,687.500	47.62	74.00	26.38	35.15	54.00	18.85	V	0
	12,110.500	48.96	74.00	25.04	36.38	54.00	17.62	H	287.4
	14,533.500	49.76	74.00	24.24	37.31	54.00	16.69	V	0
	16,954.500	53.59	74.00	20.41	41.08	54.00	12.92	H	10.9
802.11ax 40_2437_High	4,874.000	53.38	74.00	20.62	40.91	54.00	13.09	H	54.4
	7,311.000	56.71	74.00	17.29	43.63	54.00	10.37	V	88.1
	9,748.000	47.33	74.00	26.67	35.01	54.00	18.99	H	138.3
	12,184.500	48.31	74.00	25.69	35.66	54.00	18.34	V	289.8
	14,622.000	49.98	74.00	24.02	37.17	54.00	16.83	H	360
	17,059.000	53.72	74.00	20.28	41.09	54.00	12.91	H	360
802.11ax 40_2452_High	4,904.000	53.67	74.00	20.33	40.69	54.00	13.31	H	360
	7,356.000	56.41	74.00	17.59	43.49	54.00	10.51	V	20.3
	9,807.500	48.06	74.00	25.94	35.72	54.00	18.28	H	360

	12,260.000	48.82	74.00	25.18	36.04	54.00	17.96	H	221.7
	14,711.500	50.11	74.00	23.89	37.46	54.00	16.54	H	9
	17,163.500	52.88	74.00	21.12	40.43	54.00	13.57	H	349

Test Mode & Test Freq.[MHz]	Frequency [MHz]	QPK Level [dBμV/m]	QPK Limit [dBμV/m]	QPK Margin [dB]	Pol.	Azimuth [deg]
802.11ax40_2422_Low	31.994	26.89	40.00	13.11	V	0
	38.407	31.59	40.00	8.41	V	269.8
	61.525	24.80	40.00	15.20	V	188.3
	99.409	27.20	43.50	16.30	V	346.2
	125.006	20.39	43.50	23.11	V	316.2
	232.029	22.36	46.00	23.64	H	3.7
	298.744	28.33	46.00	17.67	H	272.2
	716.598	13.69	46.00	32.31	H	303.2

Test Graphs_Band Edges

Wi-Fi 2.4_11B_2412_edge	Wi-Fi 2.4_11B_2462_edge
	
Wi-Fi 2.4_11G_2412_edge	**Wi-Fi 2.4_11G_2462_edge**
Wi-Fi 2.4_11N20_2412_edge	**Wi-Fi 2.4_11N20_2462_edge**