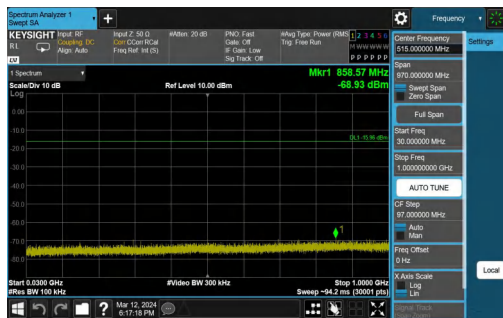




11G-CDD-Ant0-2462-30~1000-PASS



11G-CDD-Ant1-2462-30~1000-PASS



11G-CDD-Ant0-2462-1000~26500-PASS



11G-CDD-Ant1-2462-1000~26500-PASS



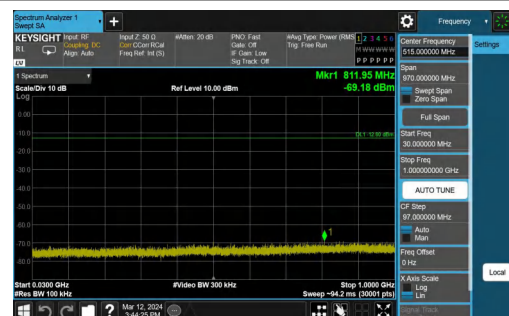
11N20SISO-Ant0-2412-30~1000-PASS



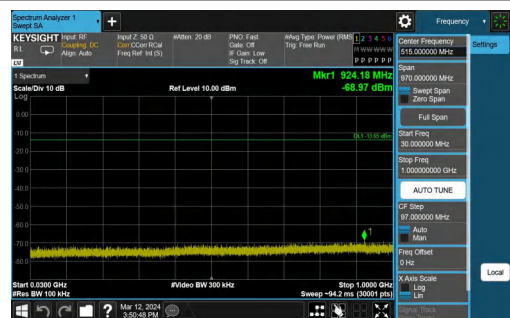
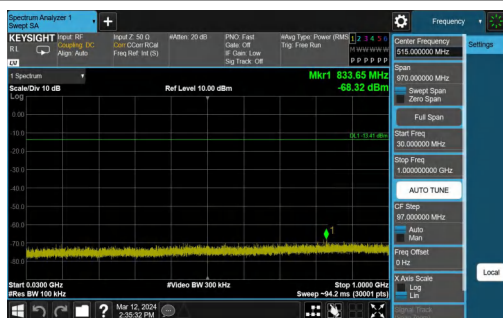
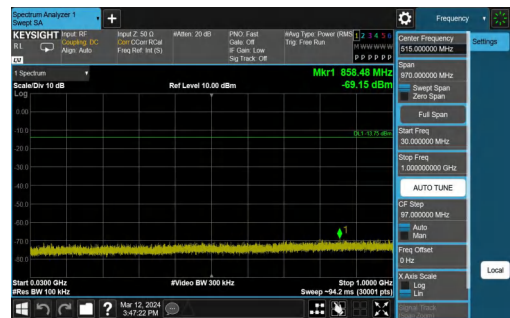
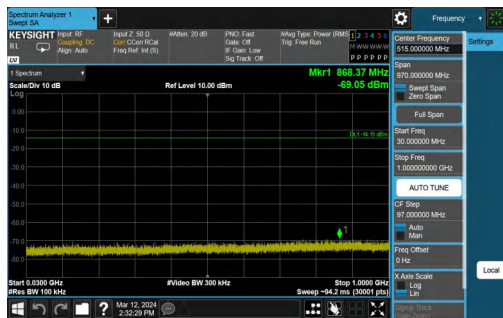
11N20SISO-Ant1-2412-30~1000-PASS

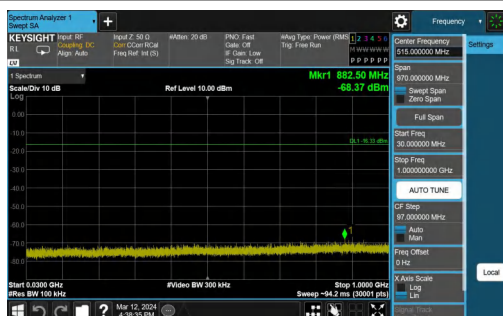
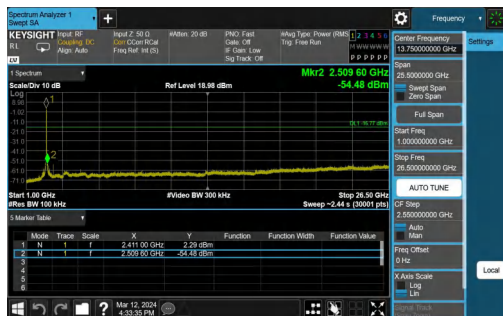
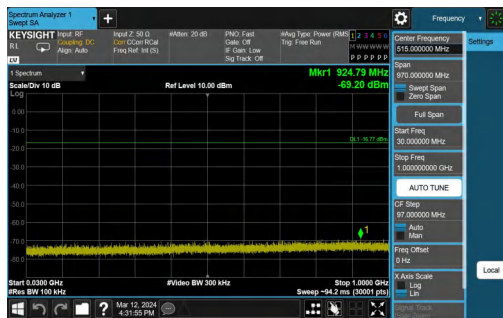


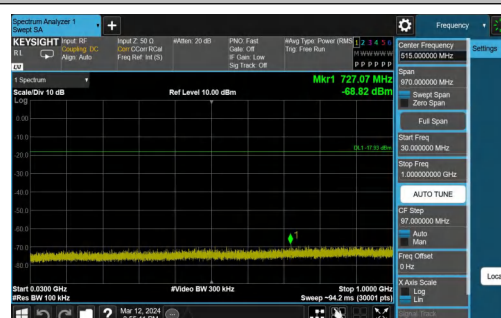
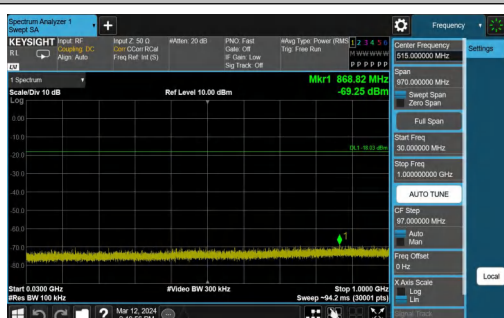
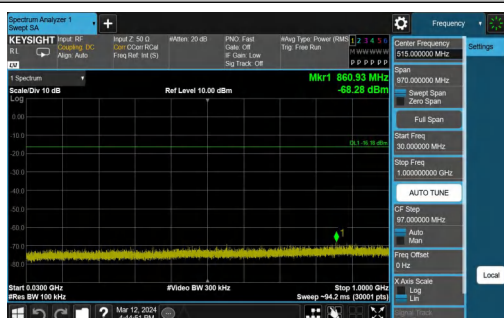
11N20SISO-Ant0-2412-1000~26500-PASS



11N20SISO-Ant1-2412-1000~26500-PASS





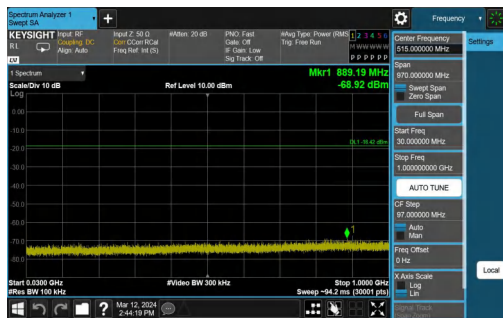




11N40SISO-Ant0-2437-30~1000-PASS



11N40SISO-Ant1-2437-30~1000-PASS



11N40SISO-Ant0-2437-1000~26500-PASS



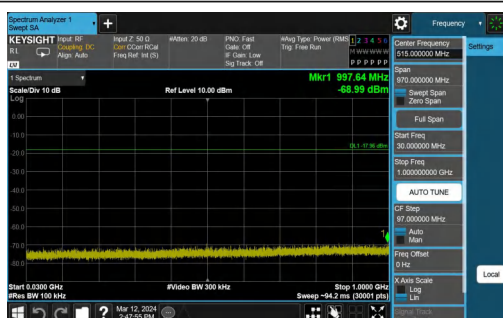
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11N40SISO-Ant0-2452-30~1000-PASS



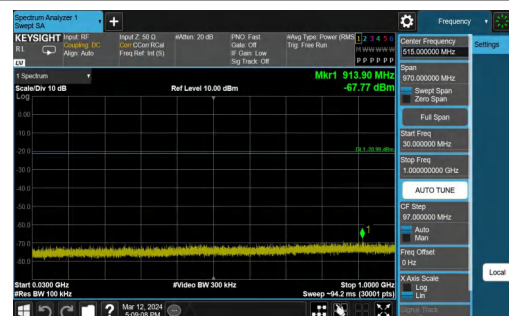
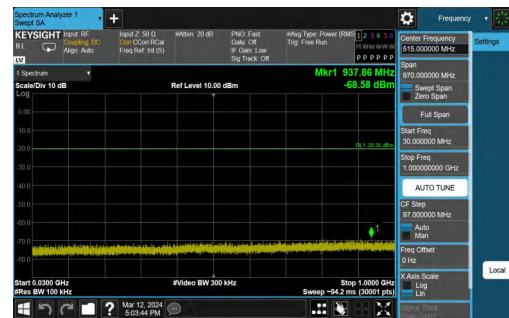
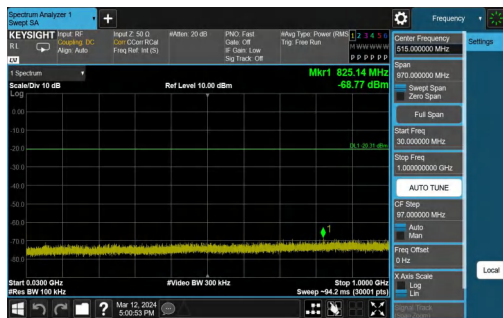
11N40SISO-Ant1-2452-30~1000-PASS



11N40SISO-Ant0-2452-1000~26500-PASS



11N40SISO-Ant1-2452-1000~26500-PASS

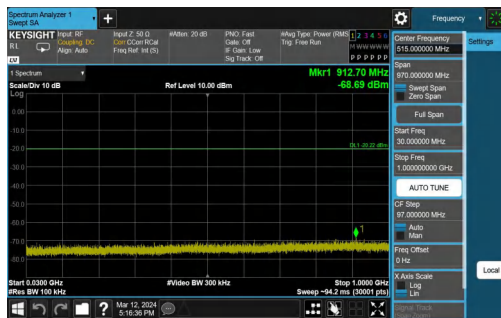




11N40MIMO-Ant0-2452-30~1000-PASS



11N40MIMO-Ant1-2452-30~1000-PASS



11N40MIMO-Ant0-2452-1000~26500-PASS



11N40MIMO-Ant1-2452-1000~26500-PASS



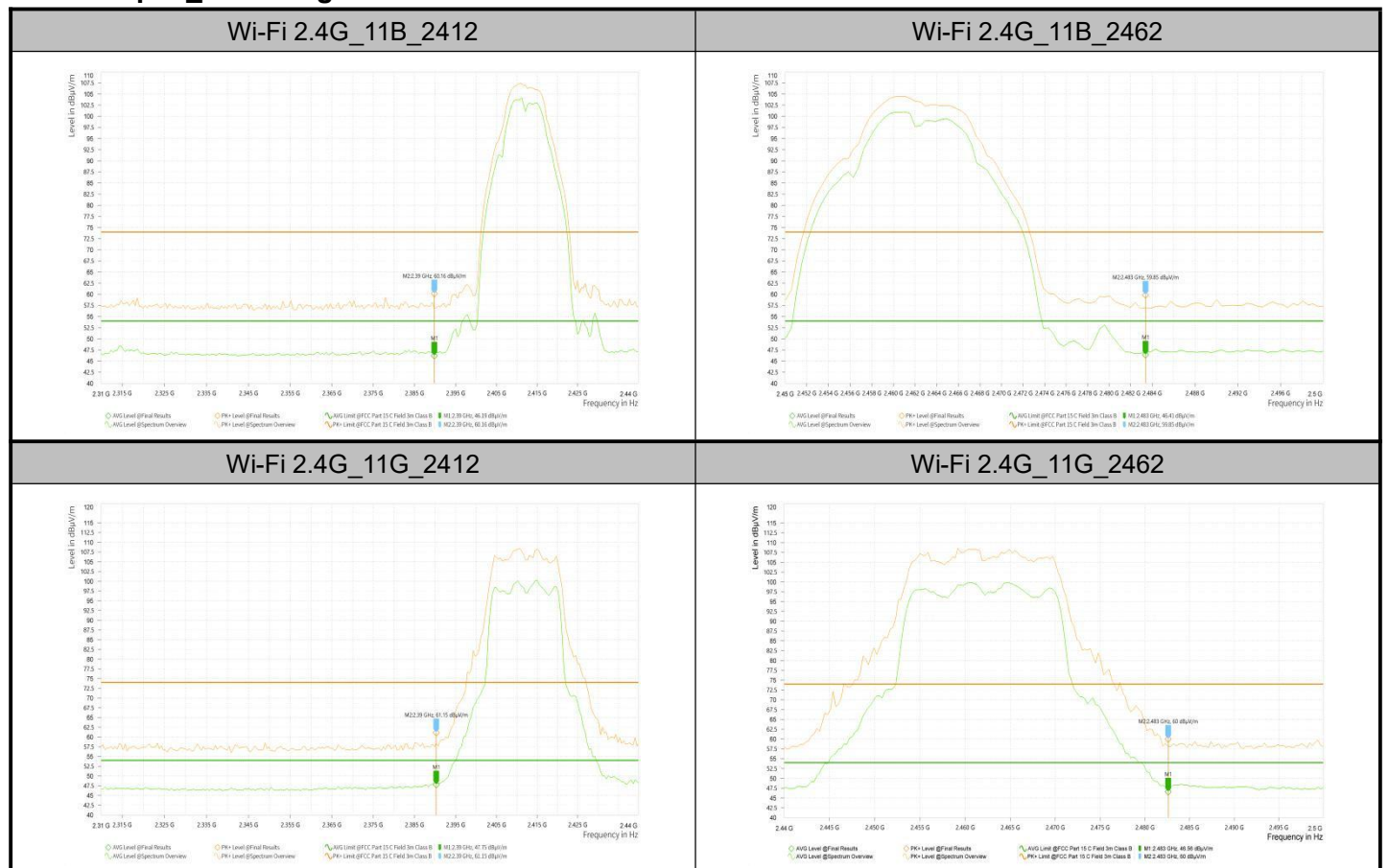
Appendix B – Test Results of Radiated Test

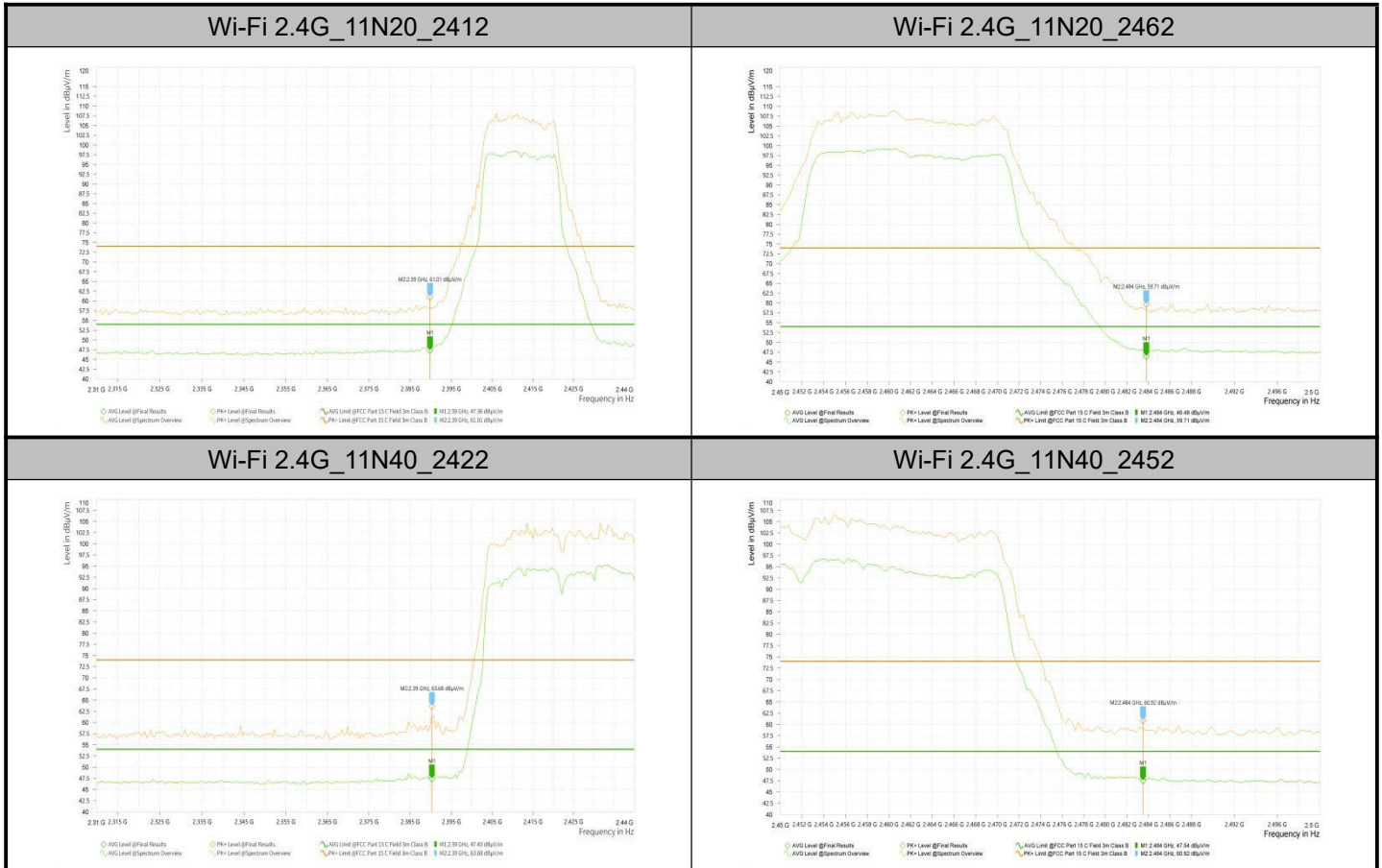
B.1 Radiated Band Edges and Spurious Emission

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]
Wi-Fi 2.4G_11B_2412	2,389.800	60.16	74.00	13.84	46.19	54.00	7.81	H	25.2
Wi-Fi 2.4G_11B_2462	2,483.375	59.85	74.00	14.15	46.41	54.00	7.59	H	92.9
Wi-Fi 2.4G_11G_2412	2,390.275	61.15	74.00	12.85	47.75	54.00	6.25	V	95.4
Wi-Fi 2.4G_11G_2462	2,482.600	60.00	74.00	14.00	46.56	54.00	7.44	H	179
Wi-Fi 2.4G_11N20_2412	2,389.800	61.01	74.00	12.99	47.36	54.00	6.64	V	0
Wi-Fi 2.4G_11N20_2462	2,483.800	59.71	74.00	14.29	46.48	54.00	7.52	H	117.7
Wi-Fi 2.4G_11N40_2422	2,390.275	63.68	74.00	10.32	47.43	54.00	6.57	V	94.1
Wi-Fi 2.4G_11N40_2452	2,483.500	60.92	74.00	13.08	47.54	54.00	6.46	V	0.2

Test Graphs_Band Edges





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]
Wi-Fi 2.4G_11B_2412_High	1,125.000	48.71	74.00	25.29	44.64	54.00	9.36	H	120.4
	1,874.000	52.03	74.00	21.97	42.76	54.00	11.24	V	120.5
	4,824.000	53.04	74.00	20.96	40.16	54.00	13.84	V	322.1
	6,290.500	56.87	74.00	17.13	44.22	54.00	9.78	V	358.8
	7,235.500	55.07	74.00	18.93	42.74	54.00	11.26	V	269.4
	9,647.500	46.03	74.00	27.97	33.81	54.00	20.19	H	12.3
	12,060.000	49.01	74.00	24.99	36.03	54.00	17.97	V	11.7
	14,473.000	49.33	74.00	24.67	36.72	54.00	17.28	V	360
	16,883.500	53.43	74.00	20.57	41.05	54.00	12.95	H	12.3

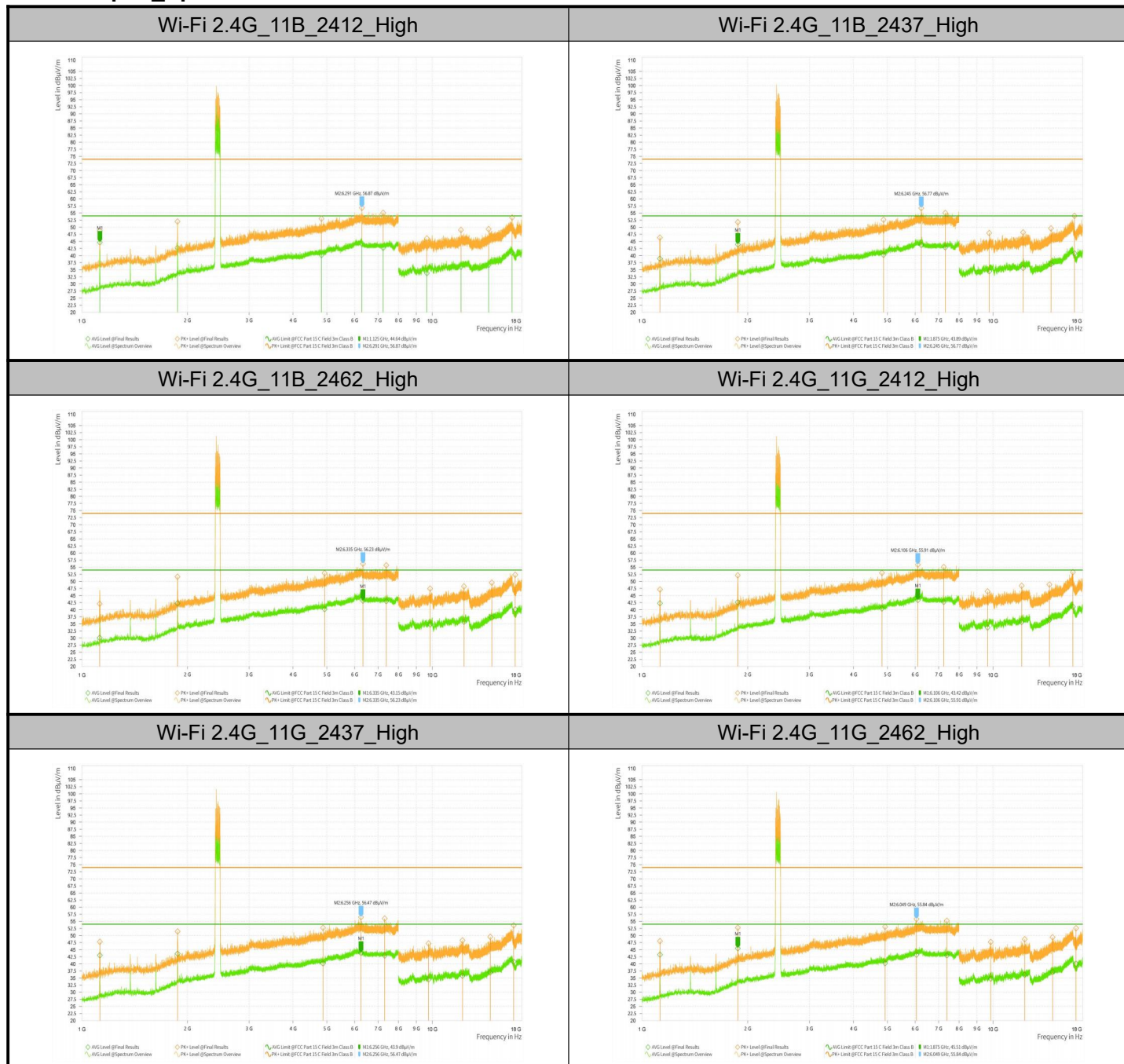
Wi-Fi 2.4G_11B_2437_High	1,124.500	46.33	74.00	27.67	38.91	54.00	15.09	V	176.3
	1,874.500	51.79	74.00	22.21	43.89	54.00	10.11	V	188.6
	4,873.500	52.62	74.00	21.38	40.24	54.00	13.76	V	191.8
	6,245.000	56.77	74.00	17.23	43.74	54.00	10.26	H	0
	7,311.000	55.04	74.00	18.96	42.91	54.00	11.09	V	157.4
	9,749.000	47.95	74.00	26.05	34.49	54.00	19.51	V	360
	12,184.000	48.17	74.00	25.83	35.62	54.00	18.38	H	218.2
	14,620.500	49.56	74.00	24.44	37.02	54.00	16.98	V	351.7
	17,058.000	53.99	74.00	20.01	40.76	54.00	13.24	H	203
Wi-Fi 2.4G_11B_2462_High	1,124.000	42.07	74.00	31.93	30.10	54.00	23.90	V	173.9
	1,874.000	51.61	74.00	22.39	42.26	54.00	11.74	V	188.5
	4,924.000	52.89	74.00	21.11	40.19	54.00	13.81	H	360
	6,334.500	56.23	74.00	17.77	43.15	54.00	10.85	V	360
	7,386.000	55.68	74.00	18.32	43.02	54.00	10.98	H	255.4
	9,848.000	47.43	74.00	26.57	34.77	54.00	19.23	H	0
	12,309.500	48.22	74.00	25.78	35.69	54.00	18.31	H	204.1
	14,771.500	49.52	74.00	24.48	37.19	54.00	16.81	V	349.1
	17,234.000	52.34	74.00	21.66	40.11	54.00	13.89	V	157.2
Wi-Fi 2.4G_11G_2412_High	1,125.000	47.14	74.00	26.86	42.29	54.00	11.71	V	172.7
	1,874.000	52.12	74.00	21.88	42.62	54.00	11.38	V	187.4
	4,823.500	52.98	74.00	21.02	40.40	54.00	13.60	V	103.7
	6,106.000	55.91	74.00	18.09	43.42	54.00	10.58	H	173
	7,236.000	55.06	74.00	18.94	42.73	54.00	11.27	H	254.3
	9,647.000	46.46	74.00	27.54	33.76	54.00	20.24	H	76.2
	12,060.000	48.44	74.00	25.56	35.69	54.00	18.31	H	0
	14,470.500	48.87	74.00	25.13	36.39	54.00	17.61	H	0
	16,883.000	53.24	74.00	20.76	41.04	54.00	12.96	V	349.8
Wi-Fi 2.4G_11G_2437_High	1,125.000	47.80	74.00	26.20	43.02	54.00	10.98	V	173.9
	1,874.500	51.44	74.00	22.56	43.58	54.00	10.42	V	189.7
	4,874.500	52.70	74.00	21.30	40.19	54.00	13.81	V	324.6
	6,256.000	56.47	74.00	17.53	43.90	54.00	10.10	V	0
	7,310.500	55.98	74.00	18.02	42.89	54.00	11.11	H	22.4
	9,747.500	47.21	74.00	26.79	34.52	54.00	19.48	H	202.9
	12,184.500	48.31	74.00	25.69	35.81	54.00	18.19	H	0
	14,621.500	49.54	74.00	24.46	37.01	54.00	16.99	H	0
	17,058.500	53.56	74.00	20.44	40.75	54.00	13.25	H	74.9
Wi-Fi 2.4G_11G_2462_High	1,125.000	48.02	74.00	25.98	43.23	54.00	10.77	H	119.2
	1,874.500	52.74	74.00	21.26	45.51	54.00	8.49	V	187.3
	4,924.000	53.08	74.00	20.92	40.26	54.00	13.74	V	360

	6,049.000	55.84	74.00	18.16	43.21	54.00	10.79	V	171.8
	7,386.500	55.19	74.00	18.81	42.99	54.00	11.01	H	89.3
	9,849.000	47.70	74.00	26.30	34.74	54.00	19.26	H	0
	12,309.500	48.66	74.00	25.34	36.11	54.00	17.89	V	360
	14,771.000	49.37	74.00	24.63	37.10	54.00	16.90	H	360
	17,235.000	52.57	74.00	21.43	40.04	54.00	13.96	H	360
Wi-Fi 2.4G_11N20_2412_High	1,125.500	48.13	74.00	25.87	41.46	54.00	12.54	H	121.6
	1,874.000	52.21	74.00	21.79	42.47	54.00	11.53	V	187.3
	4,823.500	52.63	74.00	21.37	40.07	54.00	13.93	V	39
	6,281.000	56.84	74.00	17.16	43.90	54.00	10.10	H	360
	7,235.500	55.04	74.00	18.96	42.63	54.00	11.37	H	91.6
	9,648.500	46.20	74.00	27.80	33.49	54.00	20.51	H	0
	12,059.500	47.90	74.00	26.10	35.62	54.00	18.38	H	74.9
	14,473.000	48.75	74.00	25.25	36.27	54.00	17.73	V	0
	16,884.500	53.35	74.00	20.65	40.98	54.00	13.02	H	74.9
Wi-Fi 2.4G_11N20_2437_High	1,124.000	43.56	74.00	30.44	32.59	54.00	21.41	V	173.9
	1,874.500	52.29	74.00	21.71	44.51	54.00	9.49	V	186.2
	4,874.500	52.90	74.00	21.10	40.21	54.00	13.79	V	306.9
	6,188.500	55.77	74.00	18.23	43.29	54.00	10.71	V	1
	7,311.000	55.45	74.00	18.55	42.95	54.00	11.05	H	90.4
	9,747.000	46.80	74.00	27.20	34.37	54.00	19.63	H	0
	12,185.500	47.96	74.00	26.04	35.71	54.00	18.29	H	140.6
	14,623.500	49.50	74.00	24.50	36.90	54.00	17.10	H	360
	17,057.500	53.56	74.00	20.44	40.70	54.00	13.30	V	139.5
Wi-Fi 2.4G_11N20_2462_High	1,124.500	46.76	74.00	27.24	39.69	54.00	14.31	V	175
	1,873.500	52.05	74.00	21.95	40.68	54.00	13.32	V	186.1
	4,923.500	52.98	74.00	21.02	40.27	54.00	13.73	V	36.7
	6,235.500	55.89	74.00	18.11	43.53	54.00	10.47	H	0
	7,385.500	55.82	74.00	18.18	42.94	54.00	11.06	H	0.3
	9,847.500	47.32	74.00	26.68	34.91	54.00	19.09	H	11.6
	12,311.000	48.69	74.00	25.31	35.94	54.00	18.06	V	360
	14,770.500	50.07	74.00	23.93	36.99	54.00	17.01	H	360
	17,233.500	52.60	74.00	21.40	39.90	54.00	14.10	H	360
Wi-Fi 2.4G_11N40_2422_High	1,124.500	45.63	74.00	28.37	38.27	54.00	15.73	V	174
	1,874.500	52.46	74.00	21.54	45.27	54.00	8.73	V	181.4
	4,844.500	53.59	74.00	20.41	40.20	54.00	13.80	H	256.5
	6,277.000	56.33	74.00	17.67	43.97	54.00	10.03	H	306.9
	7,265.500	55.62	74.00	18.38	42.72	54.00	11.28	H	0
	9,686.500	46.53	74.00	27.47	33.83	54.00	20.17	H	203

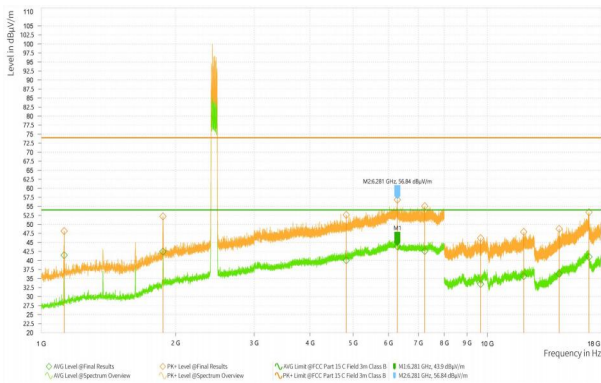
	12,109.500	49.64	74.00	24.36	36.09	54.00	17.91	V	287.4
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	16,954.500	52.96	74.00	21.04	40.71	54.00	13.29	V	360
Wi-Fi 2.4G_11N40_2437_High	1,124.000	45.52	74.00	28.48	34.68	54.00	19.32	V	187.4
	1,875.000	52.25	74.00	21.75	45.51	54.00	8.49	V	187.4
	4,874.500	52.60	74.00	21.40	40.21	54.00	13.79	H	0
	6,267.000	56.29	74.00	17.71	44.13	54.00	9.87	V	359.1
	7,310.500	55.70	74.00	18.30	42.87	54.00	11.13	H	254.3
	9,748.000	46.69	74.00	27.31	34.49	54.00	19.51	H	143.1
	12,185.000	48.33	74.00	25.67	35.84	54.00	18.16	V	11.6
	14,621.000	49.72	74.00	24.28	37.07	54.00	16.93	H	11.7
	17,058.500	53.58	74.00	20.42	40.86	54.00	13.14	V	11.6
Wi-Fi 2.4G_11N40_2452_High	1,125.500	49.64	74.00	24.36	43.75	54.00	10.25	H	121.6
	1,874.000	51.63	74.00	22.37	41.92	54.00	12.08	V	119.3
	4,903.000	53.30	74.00	20.70	40.32	54.00	13.68	H	360
	7,355.500	55.34	74.00	18.66	43.01	54.00	10.99	V	0
	9,806.500	48.14	74.00	25.86	35.29	54.00	18.71	H	218.1
	12,261.000	49.82	74.00	24.18	36.40	54.00	17.60	V	347.7
	14,714.000	50.09	74.00	23.91	37.45	54.00	16.55	H	75
	17,161.500	52.99	74.00	21.01	40.37	54.00	13.63	H	0

Test Mode & Test Freq.[MHz]	Frequency [MHz]	QPK Level [dBμV/m]	QPK Limit [dBμV/m]	QPK Margin [dB]	Polarization	Azimuth [deg]
Wi-Fi 2.4G_11G_2462_Low	47.999	29.79	40.00	10.21	V	286.2
	119.994	29.36	43.50	14.14	V	255.2
	239.951	25.42	46.00	20.58	H	255.2
	374.997	39.04	46.00	6.96	H	204.1
	624.987	26.86	46.00	19.14	V	157.1
	875.032	32.57	46.00	13.43	H	170.6

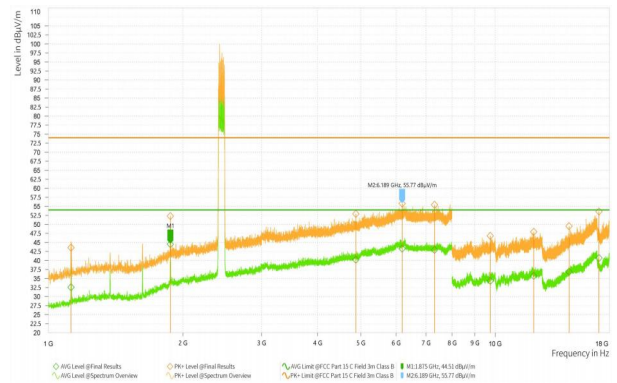
Test Graphs_Spurious Emission



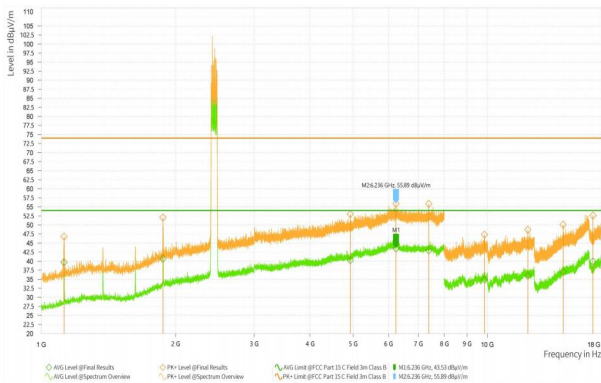
Wi-Fi 2.4G_11N20_2412_High



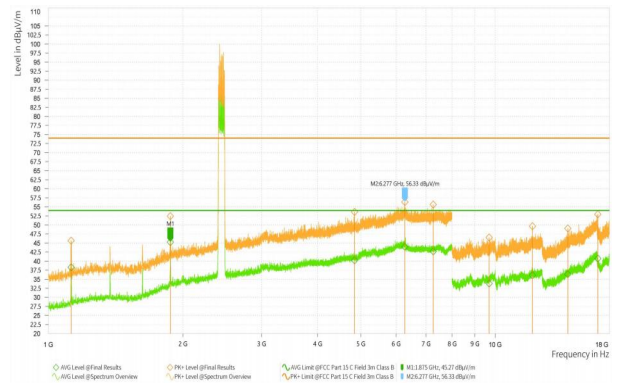
Wi-Fi 2.4G_11N20_2437_High



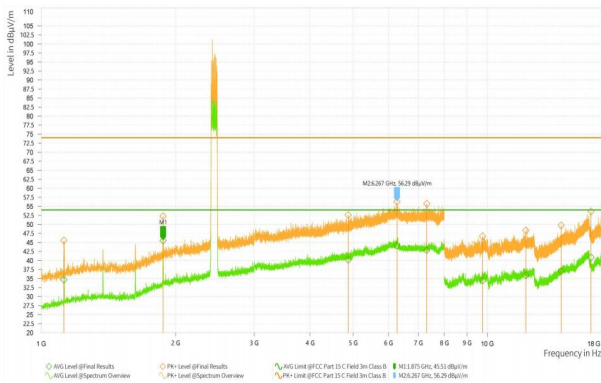
Wi-Fi 2.4G_11N20_2462_High



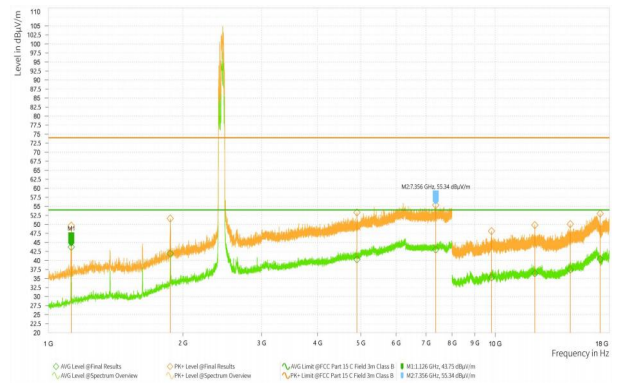
Wi-Fi 2.4G_11N40_2422_High



Wi-Fi 2.4G_11N40_2437_High

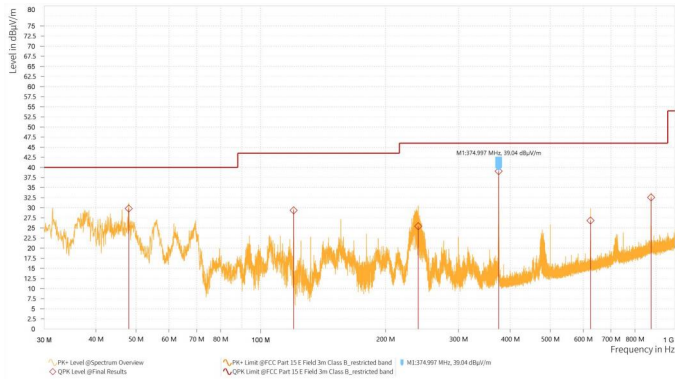


Wi-Fi 2.4G_11N40_2452_High



Wi-Fi 2.4G_11G_2462_Low

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B.2 Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant0	2412	12.43	12.46	99.76	0.01
11B	Ant1	2412	12.43	12.46	99.76	0.01
11B	Ant1	2437	12.43	12.46	99.76	0.01
11B	Ant0	2437	12.43	12.46	99.76	0.01
11B	Ant0	2462	12.44	12.47	99.76	0.01
11B	Ant1	2462	12.43	12.46	99.76	0.01
11B-CDD	Ant0	2412	12.43	12.46	99.76	0.01
11B-CDD	Ant1	2412	12.43	12.46	99.76	0.01
11B-CDD	Ant0	2437	12.44	12.47	99.76	0.01
11B-CDD	Ant1	2437	12.43	12.46	99.76	0.01
11B-CDD	Ant0	2462	12.43	12.46	99.76	0.01
11B-CDD	Ant1	2462	12.43	12.47	99.68	0.01
11G	Ant0	2412	2.06	2.10	98.10	0.08
11G	Ant1	2412	2.06	2.10	98.10	0.08
11G	Ant0	2437	2.06	2.10	98.10	0.08
11G	Ant1	2437	2.06	2.10	98.10	0.08
11G	Ant0	2462	2.06	2.10	98.10	0.08
11G	Ant1	2462	2.06	2.10	98.10	0.08
11G-CDD	Ant0	2412	2.06	2.10	98.10	0.08
11G-CDD	Ant1	2412	2.06	2.10	98.10	0.08
11G-CDD	Ant0	2437	2.07	2.11	98.10	0.08
11G-CDD	Ant1	2437	2.07	2.11	98.10	0.08
11G-CDD	Ant0	2462	2.07	2.10	98.57	0.06
11G-CDD	Ant1	2462	2.06	2.10	98.10	0.08
11N20SISO	Ant0	2412	5.00	5.04	99.21	0.03
11N20SISO	Ant1	2412	5.00	5.04	99.21	0.03
11N20SISO	Ant0	2437	5.00	5.04	99.21	0.03
11N20SISO	Ant1	2437	5.00	5.04	99.21	0.03
11N20SISO	Ant0	2462	5.00	5.04	99.21	0.03
11N20SISO	Ant1	2462	5.00	5.03	99.40	0.03
11N20MIMO	Ant0	2412	5.00	5.04	99.21	0.03
11N20MIMO	Ant1	2412	5.00	5.04	99.21	0.03
11N20MIMO	Ant0	2437	5.00	5.04	99.21	0.03
11N20MIMO	Ant1	2437	5.00	5.04	99.21	0.03

11N20MIMO	Ant0	2462	5.00	5.04	99.21	0.03
11N20MIMO	Ant1	2462	5.00	5.03	99.40	0.03
11N40SISO	Ant0	2422	2.43	2.48	97.98	0.09
11N40SISO	Ant1	2422	2.43	2.48	97.98	0.09
11N40SISO	Ant0	2437	2.43	2.48	97.98	0.09
11N40SISO	Ant1	2437	2.43	2.48	97.98	0.09
11N40SISO	Ant0	2452	2.43	2.48	97.98	0.09
11N40SISO	Ant1	2452	2.42	2.47	97.98	0.09
11N40MIMO	Ant0	2422	2.43	2.48	97.98	0.09
11N40MIMO	Ant1	2422	2.42	2.47	97.98	0.09
11N40MIMO	Ant0	2437	2.43	2.48	97.98	0.09
11N40MIMO	Ant1	2437	2.43	2.48	97.98	0.09
11N40MIMO	Ant0	2452	2.43	2.48	97.98	0.09
11N40MIMO	Ant1	2452	2.42	2.48	97.58	0.11

Test Graphs





NTNV-11B-CDD-Ant0-2412



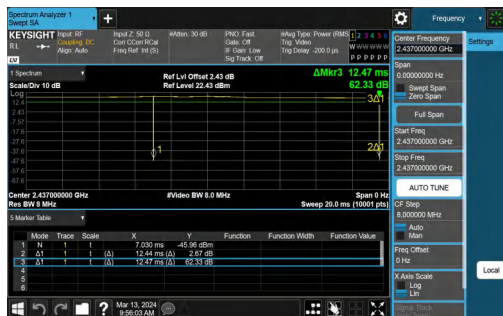
NTNV-11B-CDD-Ant1-2412



NTNV-11B-CDD-Ant0-2437



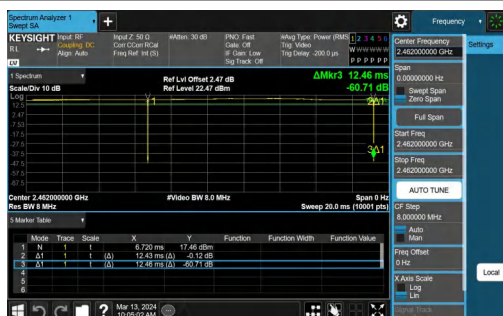
NTNV-11B-CDD-Ant1-2437



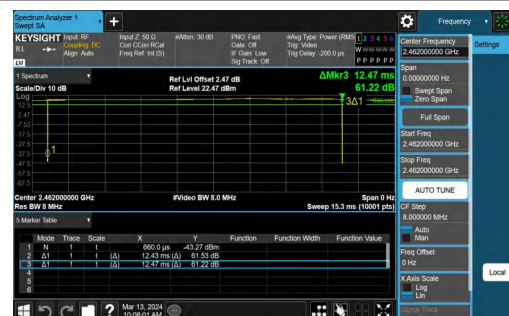
NTNV-11B-CDD-Ant0-2462



NTNV-11B-CDD-Ant1-2462



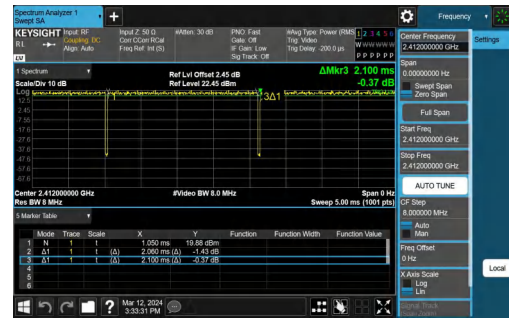
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NTNV-11G-Ant1-2412



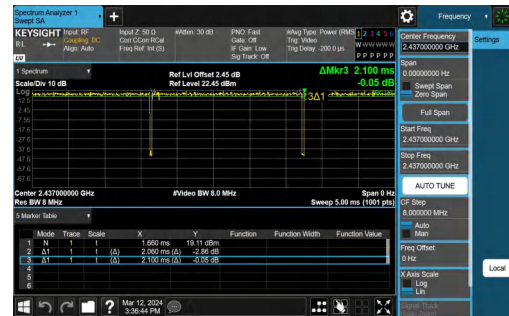
NTNV-11G-Ant0-2437



NTNV-11G-Ant1-2437



NTNV-11G-Ant0-2462



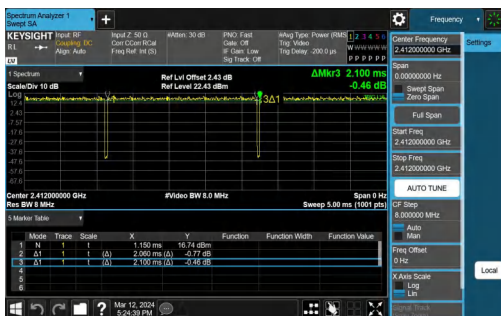
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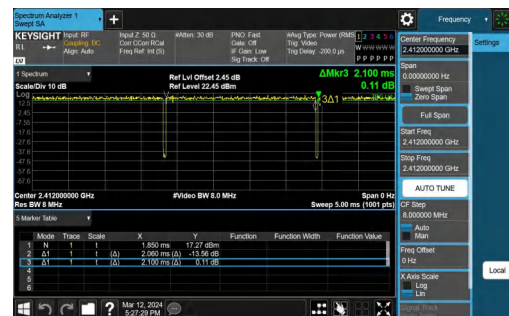
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NTNV-11G-CDD-Ant1-2412



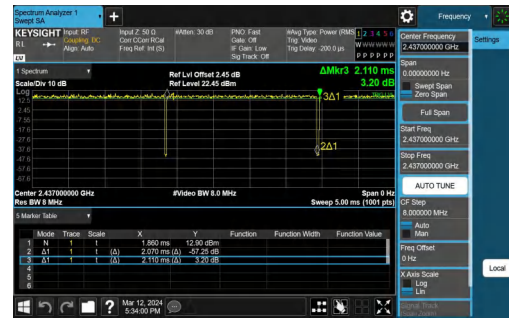
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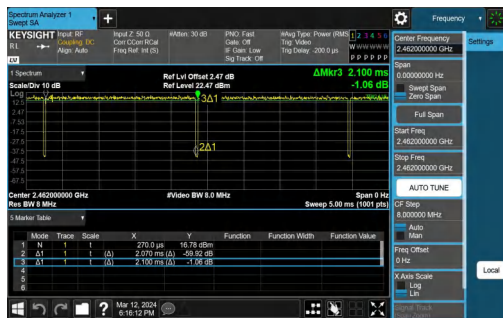
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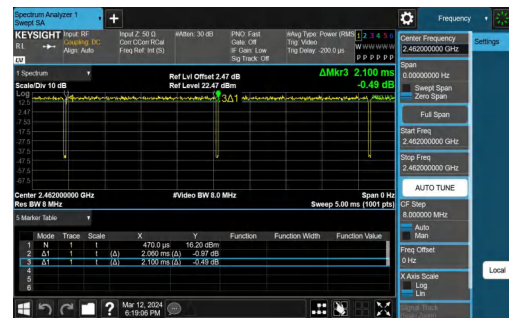
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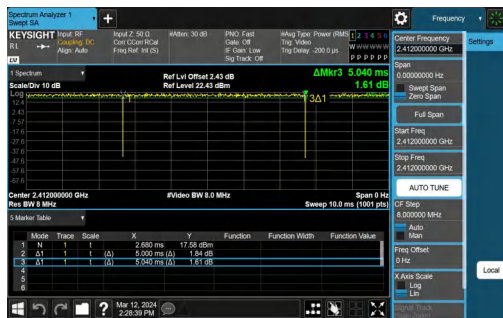
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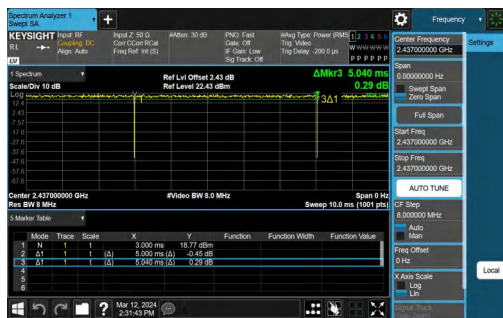
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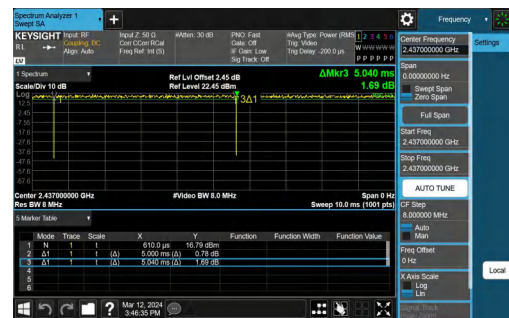
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NTNV-11N20SISO-Ant1-2437



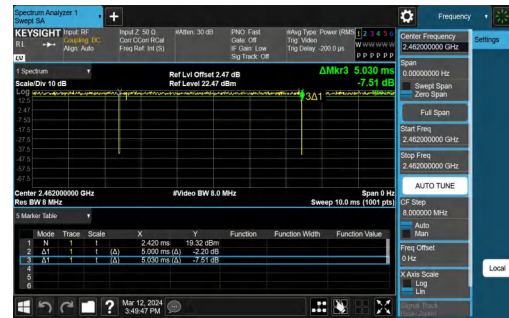
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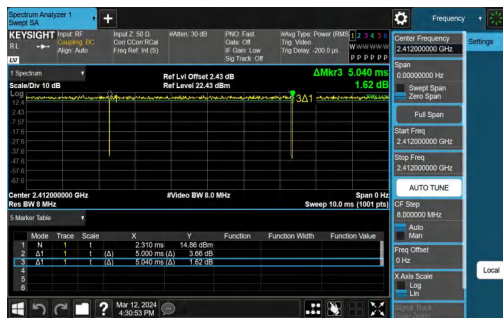
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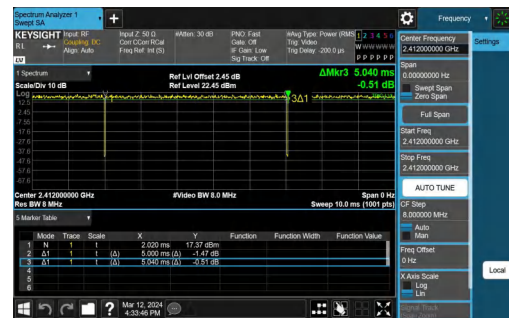
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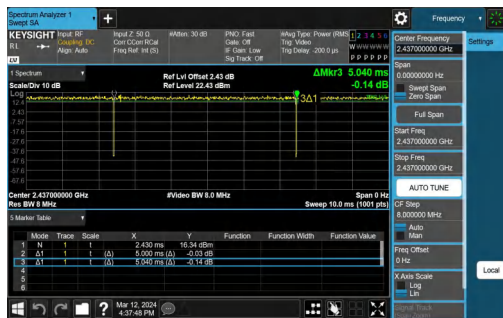
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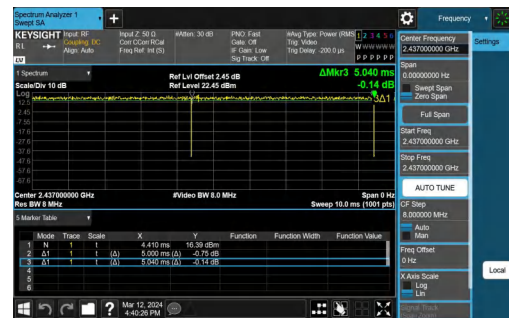
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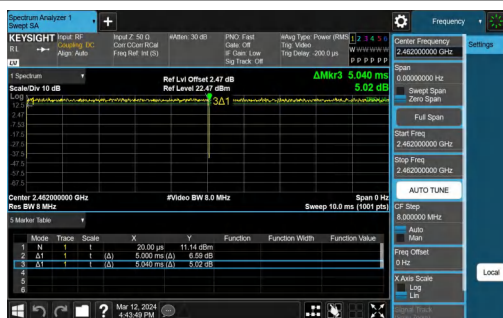
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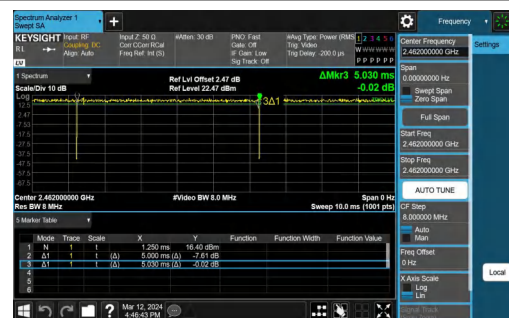
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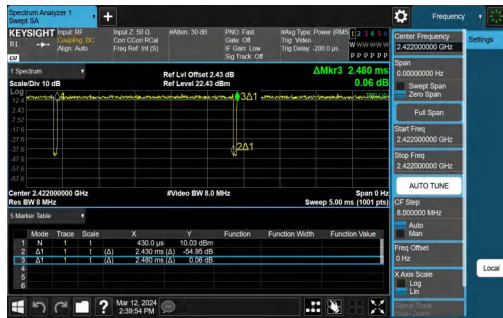
NTNV-11N20MIMO-Ant1-2462



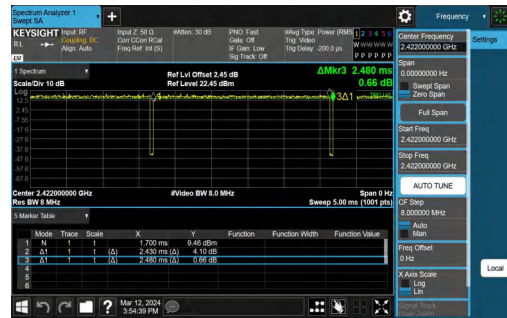
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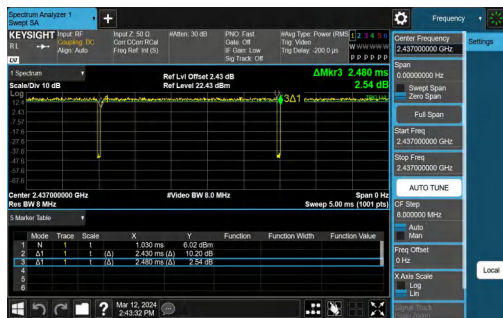
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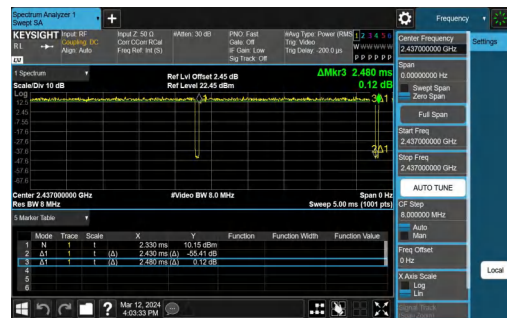
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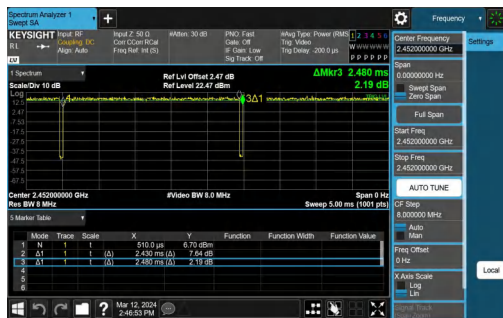
NTNV-11N40SISO-Ant1-2437



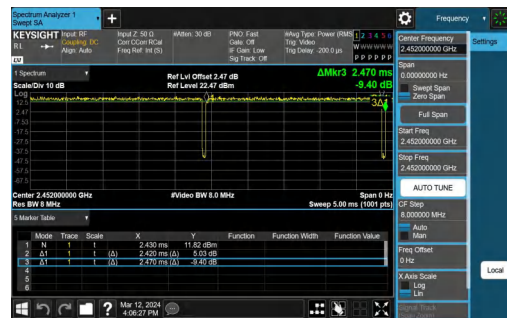
NTNV-11N40SISO-Ant0-2452



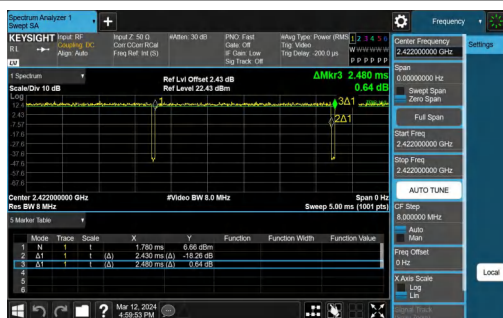
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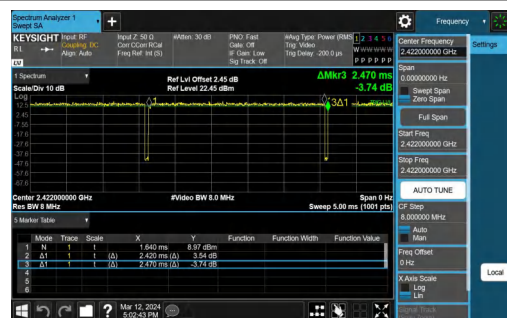
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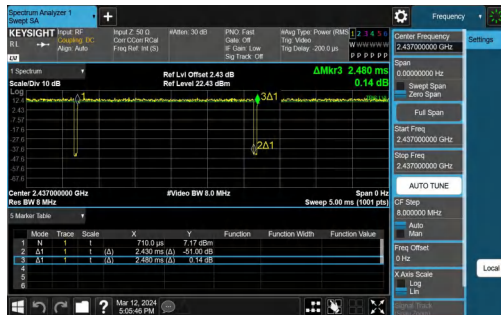
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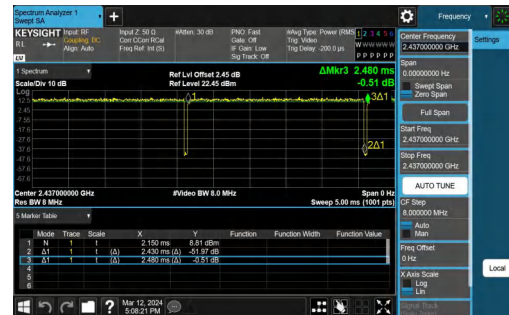
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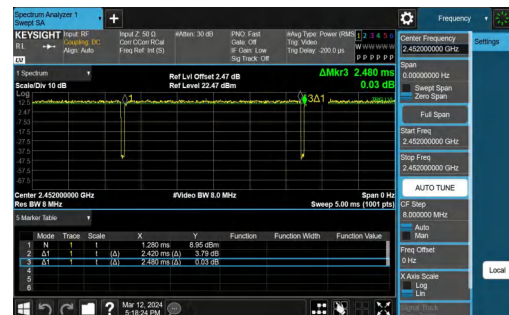
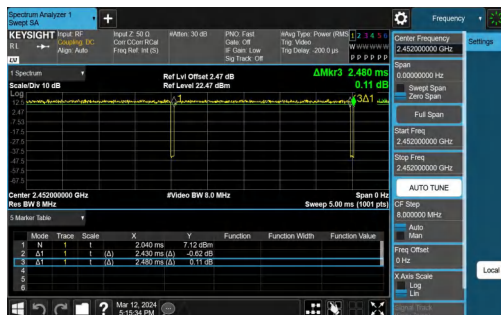
NTNV-11N40MIMO-Ant1-2437



NTNV-11N40MIMO-Ant0-2452



NTNV-11N40MIMO-Ant1-2452



Appendix C – The EUT Appearance

Refer to “Attachment 1: External Photograph” and “ Attachment 2: Internal Photograph” file.

Appendix D – Test Setup Photograph

Refer to “Attachment 5: RF Test Setup Photograph” file.

*****End of the Report*****