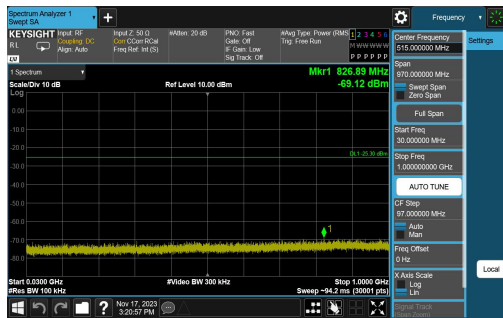


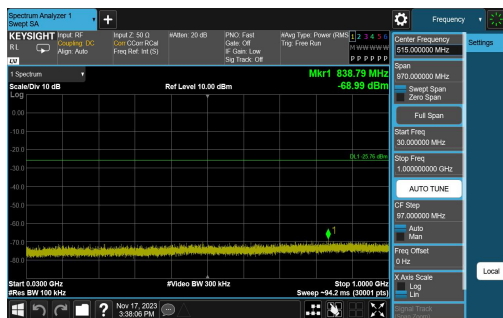
11G-Ant1-2412-30~1000-PASS



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



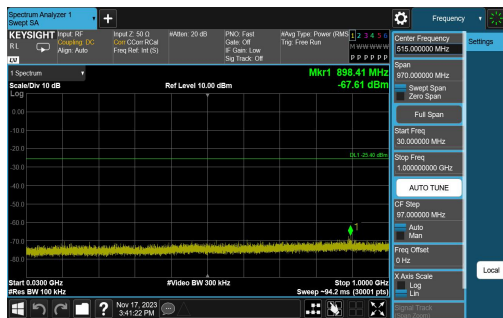
11G-Ant1-2437-30~1000-PASS



11G-Ant1-2437-1000~26500-PASS



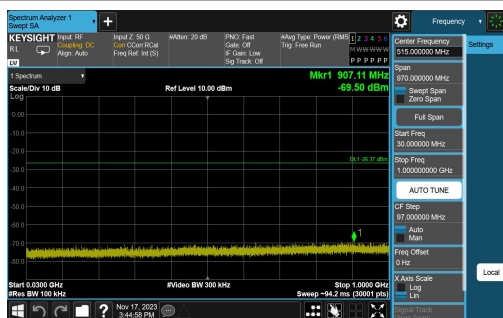
11G-Ant1-2462-30~1000-PASS



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



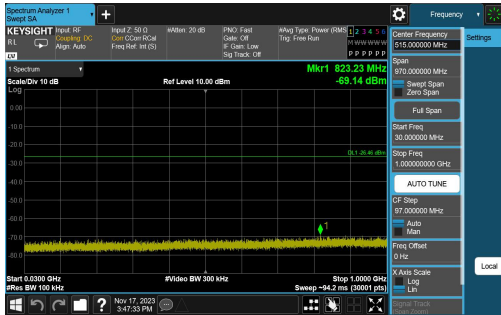
11N20SISO-Ant1-2412-30~1000-PASS



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



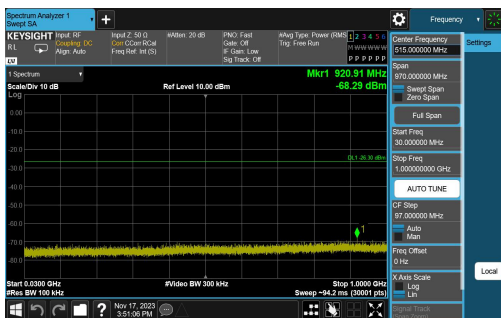
11N20SISO-Ant1-2437-30~1000-PASS



11N20SISO-Ant1-2437-1000~26500-PASS



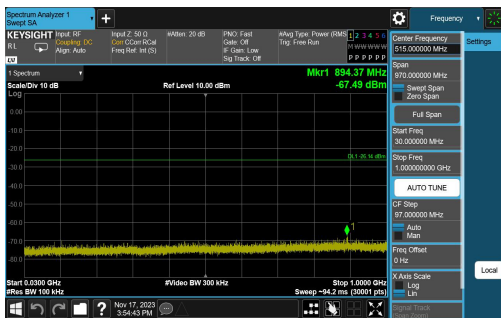
11N20SISO-Ant1-2462-30~1000-PASS



11N20SISO-Ant1-2462-1000~26500-PASS



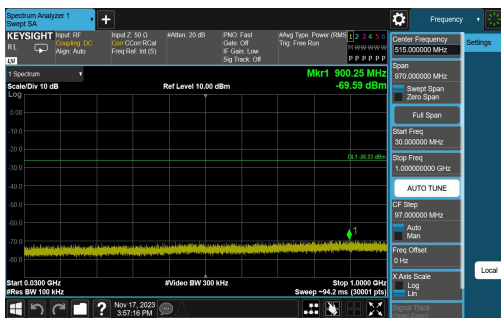
11AX20SISO-Ant1-2412-30~1000-PASS



11AX20SISO-Ant1-2412-1000~26500-PASS

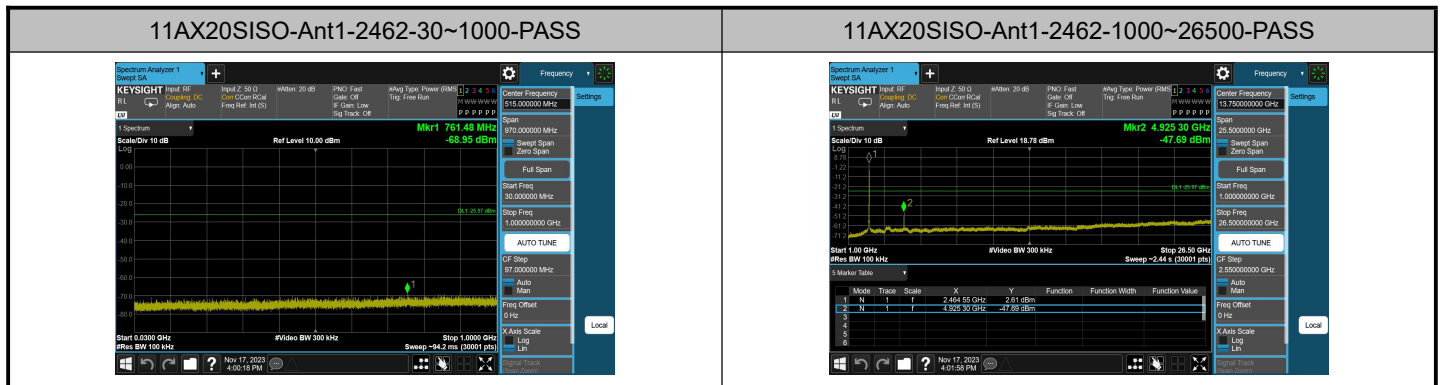


11AX20SISO-Ant1-2437-30~1000-PASS



11AX20SISO-Ant1-2437-1000~26500-PASS





A.5 AC Conducted Emission

Test Result

Remark: The sample is powered by USB. This test item is not applicable.

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]	Pol.	Azimuth [deg]
802.11b_2412	2,390.275	60.22	74.00	13.78	47.65	54.00	6.25	H	302
802.11b_2462	2,483.500	60.55	74.00	13.45	47.53	54.00	6.37	H	303.2
802.11g_2412	2,389.950	60.79	74.00	13.21	46.77	54.00	7.13	H	215.9
802.11g_2462	2,483.500	63.07	74.00	10.93	48.16	54.00	5.74	H	241
802.11n HT20_2412	2,389.950	60.97	74.00	13.03	46.56	54.00	7.34	H	316.4
802.11n HT20_2462	2,483.500	61.01	74.00	12.99	47.30	54.00	6.60	H	303.2
802.11ax HE20_2412	2,389.950	60.23	74.00	13.77	46.60	54.00	7.30	H	255.4
802.11ax HE20_2462	2,483.500	63.28	74.00	10.72	47.71	54.00	6.19	H	239.9

Test Result_AX Part RU_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]	Pol.	Azimuth [deg]
802.11ax20_2412_26RU	2,389.950	64.30	74.00	9.70	50.82	54.00	3.18	H	184.9
802.11ax20_2462_26RU	2,483.200	64.05	74.00	9.95	51.04	54.00	2.96	H	360
802.11ax20_2412_52RU	2,389.800	64.02	74.00	9.98	50.80	54.00	3.20	H	315.9
802.11ax20_2462_52RU	2,483.200	64.10	74.00	9.90	51.06	54.00	2.94	V	1.5
802.11ax20_2412_106RU	2,389.800	64.60	74.00	9.40	50.80	54.00	3.20	H	100.6
802.11ax20_2462_106RU	2,483.200	64.72	74.00	9.28	51.06	54.00	2.94	H	211.8

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 [dBμ]	AVG Limit [dBμ]	AGV Margin [dB]	Polarization	Azimuth [deg]
802.11b_2412_High	4,824.000	54.41	74.00	19.59	43.89	54.00	10.01	V	0.2
	7,237.000	55.21	74.00	18.79	42.84	54.00	11.06	H	0
	9,648.000	46.62	74.00	27.38	34.14	54.00	19.76	V	3
	12,059.000	48.15	74.00	25.85	35.71	54.00	18.19	H	0

	14,474.500	49.01	74.00	24.99	36.50	54.00	17.40	H	360
	16,881.500	53.25	74.00	20.75	40.94	54.00	12.96	H	214.6
802.11b_2437_High	4,868.500	53.00	74.00	21.00	40.34	54.00	13.56	H	360
	7,309.500	55.63	74.00	18.37	43.13	54.00	10.77	H	360
	9,747.000	47.58	74.00	26.42	35.17	54.00	18.73	V	76.2
	12,185.000	48.33	74.00	25.67	35.88	54.00	18.02	H	0
	14,622.000	49.67	74.00	24.33	37.39	54.00	16.51	H	0
	17,059.000	53.45	74.00	20.55	40.85	54.00	13.05	H	0
802.11b_2462_High	4,924.000	54.46	74.00	19.54	44.26	54.00	9.64	H	293.4
	7,386.000	55.54	74.00	18.46	43.14	54.00	10.76	H	203
	9,845.500	48.03	74.00	25.97	35.23	54.00	18.67	H	0
	12,308.500	49.20	74.00	24.80	36.18	54.00	17.72	V	0
	14,769.500	50.02	74.00	23.98	37.15	54.00	16.75	V	0
	17,233.000	53.21	74.00	20.79	40.24	54.00	13.66	V	357.7
802.11g_2412_High	4,824.500	53.28	74.00	20.72	40.13	54.00	13.77	V	0
	7,236.000	55.42	74.00	18.58	42.77	54.00	11.13	H	360
	9,647.500	46.55	74.00	27.45	33.76	54.00	20.14	H	167.1
	12,058.000	48.32	74.00	25.68	35.67	54.00	18.23	H	0
	14,474.000	48.80	74.00	25.20	36.24	54.00	17.66	V	193.8
	16,883.000	53.50	74.00	20.50	41.11	54.00	12.79	V	44.1
802.11g_2437_High	4,825.000	52.88	74.00	21.12	40.10	54.00	13.80	H	0.1
	7,237.000	54.91	74.00	19.09	42.61	54.00	11.29	H	204.7
	9,647.000	46.01	74.00	27.99	33.78	54.00	20.12	V	2.6
	12,058.000	48.50	74.00	25.50	35.77	54.00	18.13	H	194.6
	14,475.000	49.04	74.00	24.96	36.28	54.00	17.62	V	360
	16,882.000	53.25	74.00	20.75	41.02	54.00	12.88	V	360
802.11g_2462_High	4,924.000	53.08	74.00	20.92	40.40	54.00	13.50	H	0
	7,385.000	55.87	74.00	18.13	43.06	54.00	10.84	H	105
	9,847.500	48.21	74.00	25.79	35.84	54.00	18.06	V	316.7
	12,310.500	48.77	74.00	25.23	36.26	54.00	17.64	H	192.9
	14,769.500	49.87	74.00	24.13	37.20	54.00	16.70	V	216.3
	17,232.000	52.59	74.00	21.41	40.27	54.00	13.63	H	43.2
802.11n 20M_2412_High	4,823.500	53.55	74.00	20.45	40.34	54.00	13.56	V	0
	7,235.000	55.39	74.00	18.61	42.82	54.00	11.08	H	360
	9,647.500	47.58	74.00	26.42	36.30	54.00	17.60	V	143.6
	12,057.500	48.99	74.00	25.01	35.82	54.00	18.08	H	360
	14,473.500	49.45	74.00	24.55	36.65	54.00	17.25	H	42.3
	16,882.000	53.24	74.00	20.76	41.03	54.00	12.87	V	143.6
802.11n 20M_2437_High	4,873.500	52.73	74.00	21.27	40.34	54.00	13.56	H	215.4

	7,310.500	55.25	74.00	18.75	43.06	54.00	10.84	H	352.6
	9,747.500	47.28	74.00	26.72	34.60	54.00	19.30	H	268.4
	12,186.000	48.68	74.00	25.32	35.88	54.00	18.02	V	166.2
	14,621.500	49.90	74.00	24.10	37.01	54.00	16.89	H	317.7
	17,058.500	53.81	74.00	20.19	40.86	54.00	13.04	H	3.8
802.11n 20M_2462_High	4,924.000	52.94	74.00	21.06	40.21	54.00	13.69	H	195
	7,386.000	55.70	74.00	18.30	43.20	54.00	10.70	H	278
	9,848.000	49.08	74.00	24.92	37.68	54.00	16.22	V	319.4
	12,309.500	49.23	74.00	24.77	36.41	54.00	17.49	V	143.5
	14,772.000	49.99	74.00	24.01	37.48	54.00	16.42	V	239.4
	17,233.500	52.59	74.00	21.41	40.48	54.00	13.42	H	360
802.11ax 20M_2412_High	4,823.500	52.91	74.00	21.09	40.38	54.00	13.52	H	359.5
	7,235.500	55.60	74.00	18.40	42.80	54.00	11.10	V	340.6
	9,647.500	47.89	74.00	26.11	36.08	54.00	17.82	V	159.5
	12,059.000	48.87	74.00	25.13	35.76	54.00	18.14	H	360
	14,469.500	49.57	74.00	24.43	36.53	54.00	17.37	H	0
	16,885.500	53.82	74.00	20.18	41.22	54.00	12.68	H	360
802.11ax 20M_2437_High	4,874.000	52.68	74.00	21.32	40.28	54.00	13.62	H	35.5
	7,310.500	55.61	74.00	18.39	43.01	54.00	10.89	H	20.3
	9,747.000	47.76	74.00	26.24	34.68	54.00	19.22	H	350.4
	12,183.500	48.15	74.00	25.85	35.68	54.00	18.22	V	0
	14,621.000	49.15	74.00	24.85	37.20	54.00	16.70	H	158.3
	17,059.500	53.37	74.00	20.63	40.81	54.00	13.09	H	200.5
802.11ax 20M_2462_High	4,923.500	53.16	74.00	20.84	40.45	54.00	13.45	H	323.4
	7,395.000	56.05	74.00	17.95	43.28	54.00	10.62	H	0
	9,848.000	47.55	74.00	26.45	35.23	54.00	18.67	V	138.3
	12,310.000	48.90	74.00	25.10	36.46	54.00	17.44	H	9.5
	14,773.500	50.35	74.00	23.65	37.29	54.00	16.61	H	360
	17,235.000	52.89	74.00	21.11	40.27	54.00	13.63	H	360

Test Mode & Test Freq.[MHz]	Frequency [MHz]	QPK Level [dBμV/m]	QPK Limit [dBμV/m]	QPK Margin [dB]	Pol.	Azimuth [deg]
802.11b_2462_Low	32.533	19.54	40.00	20.46	V	196.6
	48.053	18.37	40.00	21.63	V	243.8
	60.178	15.79	40.00	24.21	V	196.6
	88.416	12.50	43.50	31.00	V	260.6
	240.436	22.94	46.00	23.06	V	196.6
	462.243	21.00	46.00	25.00	V	243.8

Test Graphs_Band Edges

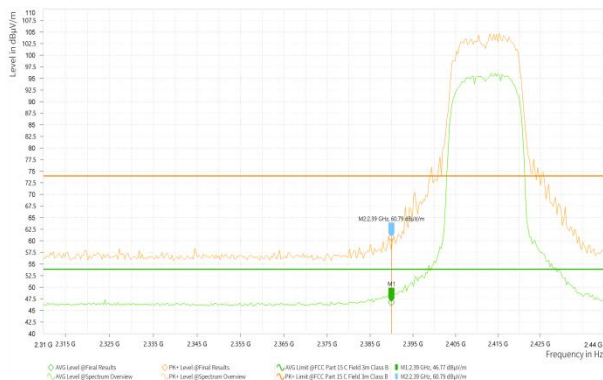
802.11b_2412_edge



802.11b_2462_edge



802.11g_2412_edge



802.11g_2462_edge



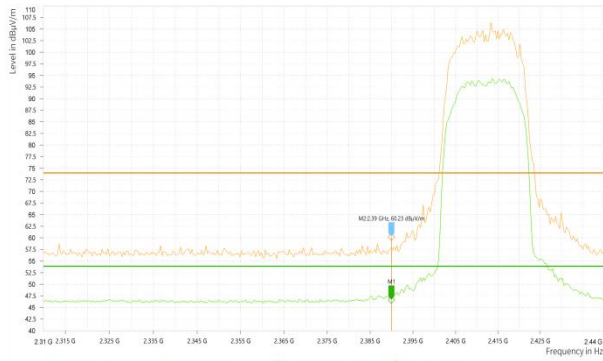
802.11n 20M_2412_edge



802.11n 20M_2462_edge



802.11ax 20M_2412_edge

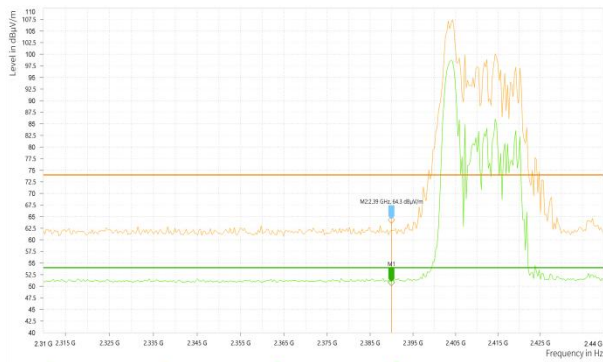


802.11ax 20M_2462_edge



Test Graphs_AX Part RU_Band Edges

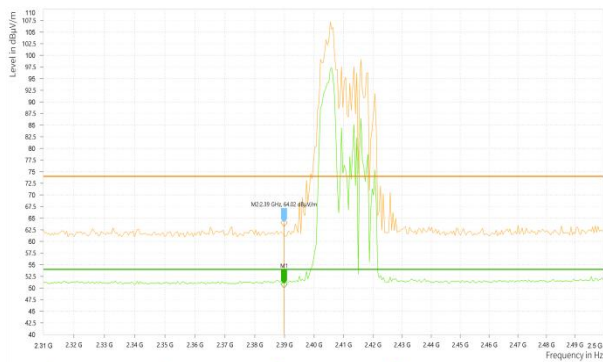
Wi-Fi 2.4_11AX20_2412_26RU_edge



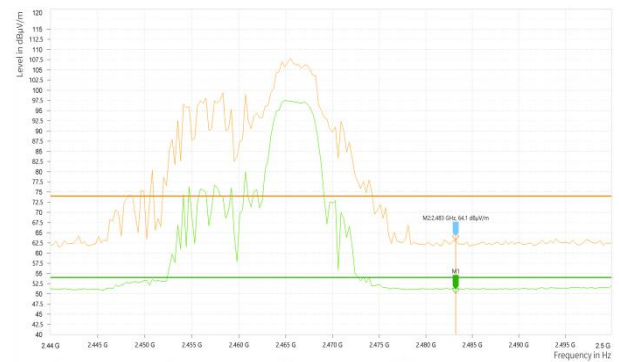
Wi-Fi 2.4_11AX20_2462_26RU_edge



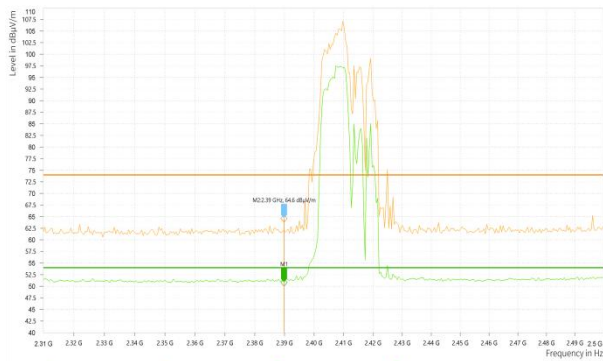
Wi-Fi 2.4_11AX20_2412_52RU_edge



Wi-Fi 2.4_11AX20_2462_52RU_edge



Wi-Fi 2.4_11AX20_2412_106RU_edge

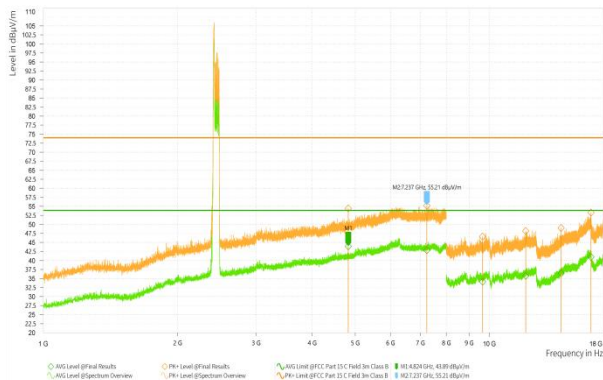


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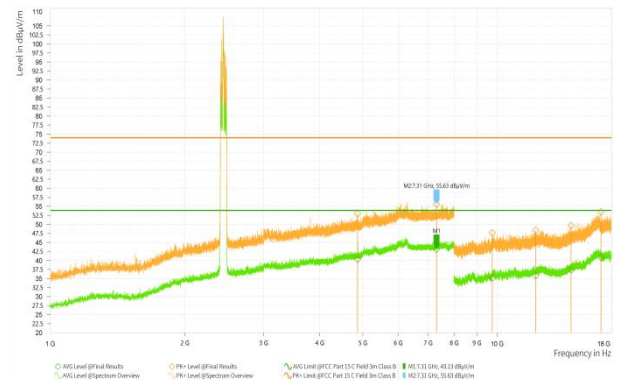


Test Graphs_Spurious Emission

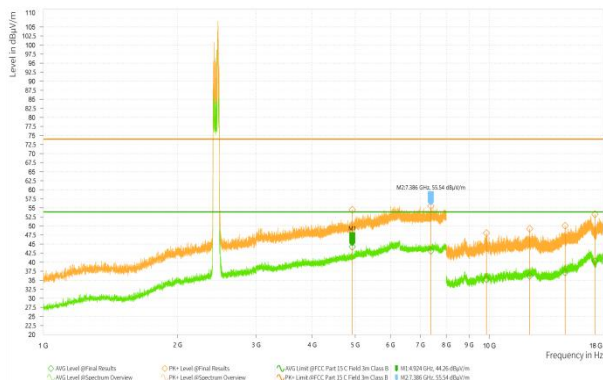
802.11b_2412_High



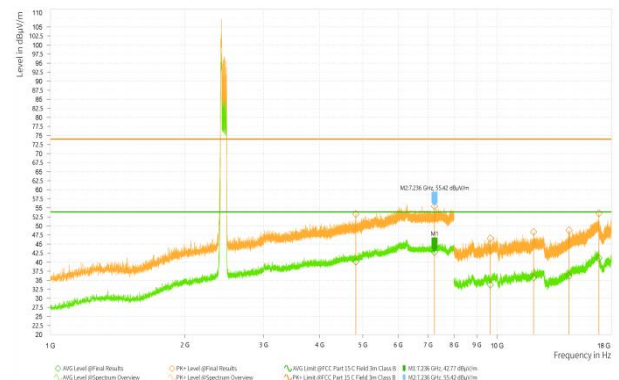
802.11b_2437_High

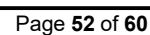


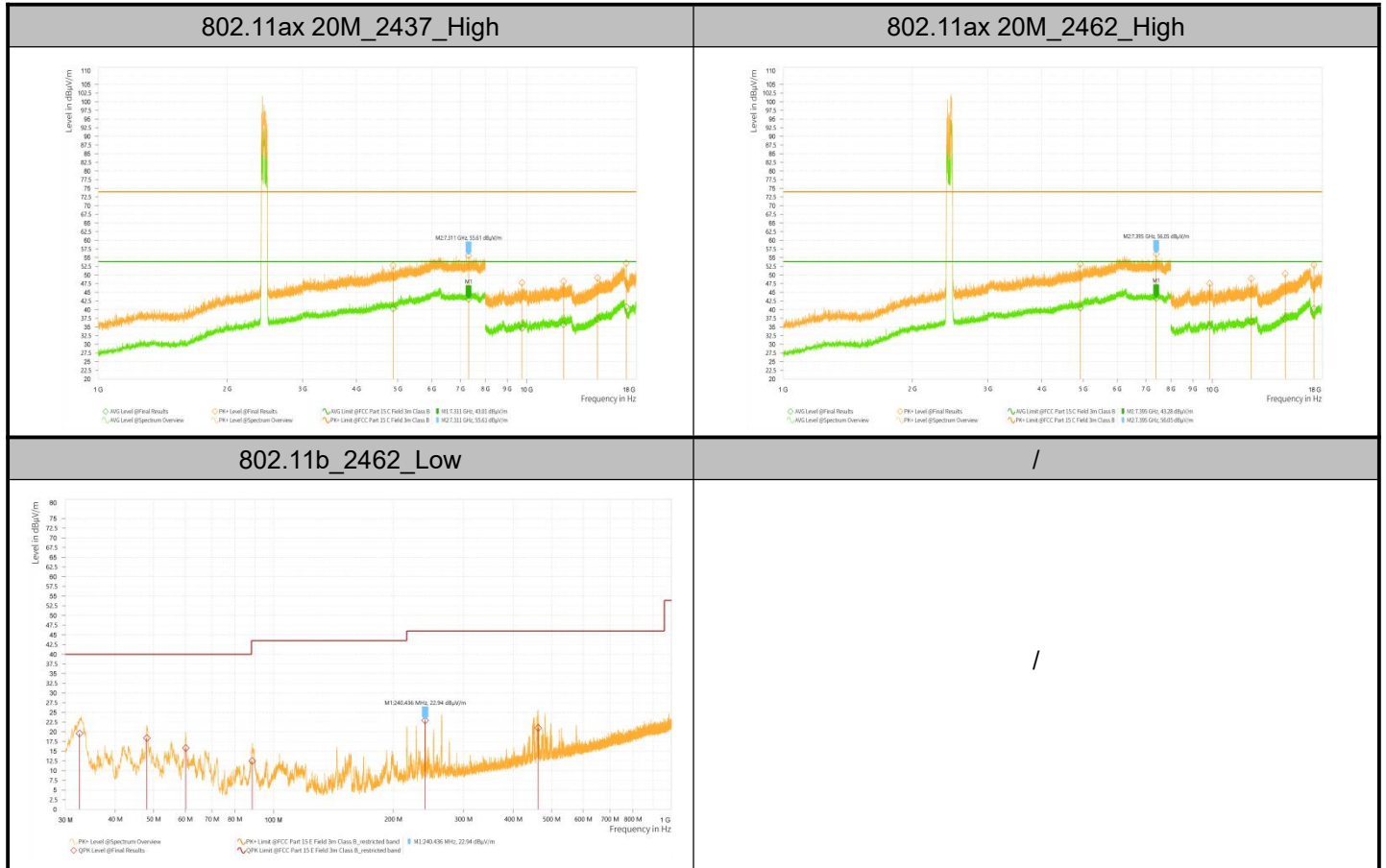
802.11b_2462_High



802.11g_2412_High







B.2 Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.47	98.94	0.05
11B	Ant1	2437	8.39	8.48	98.94	0.05
11B	Ant1	2462	8.38	8.47	98.94	0.05
11G	Ant1	2412	1.39	1.41	98.58	0.06
11G	Ant1	2437	1.39	1.41	98.58	0.06
11G	Ant1	2462	1.39	1.41	98.58	0.06
11N20SISO	Ant1	2412	1.30	1.32	98.48	0.07
11N20SISO	Ant1	2437	1.30	1.32	98.48	0.07
11N20SISO	Ant1	2462	1.30	1.32	98.48	0.07
11AX20SISO	Ant1	2412	1.06	1.12	94.64	0.24
11AX20SISO	Ant1	2437	1.07	1.12	95.54	0.20
11AX20SISO	Ant1	2462	1.07	1.12	95.54	0.20

Test Result_AX Part RU

Test Mode	Antenna	Frequency[MHz]	Ru Size	Ru Index	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11AX20SISO	Ant1	2412	26Tone	RU0	0.88	5.10	17.25
11AX20SISO	Ant1	2412	26Tone	RU4	0.88	5.10	17.25
11AX20SISO	Ant1	2412	26Tone	RU8	0.88	5.10	17.25
11AX20SISO	Ant1	2412	52Tone	RU37	0.86	8.72	9.86
11AX20SISO	Ant1	2412	52Tone	RU39	0.88	8.72	10.09
11AX20SISO	Ant1	2412	52Tone	RU40	0.88	8.74	10.07
11AX20SISO	Ant1	2412	106Tone	RU53	0.88	9.62	9.15
11AX20SISO	Ant1	2412	106Tone	RU54	0.88	9.62	9.15
11AX20SISO	Ant1	2437	26Tone	RU0	0.87	5.11	17.03
11AX20SISO	Ant1	2437	26Tone	RU4	0.88	5.11	17.22
11AX20SISO	Ant1	2437	26Tone	RU8	0.88	5.10	17.25
11AX20SISO	Ant1	2437	52Tone	RU37	0.88	8.72	10.09
11AX20SISO	Ant1	2437	52Tone	RU39	0.88	8.72	10.09
11AX20SISO	Ant1	2437	52Tone	RU40	0.88	8.72	10.09
11AX20SISO	Ant1	2437	106Tone	RU53	0.88	9.62	9.15
11AX20SISO	Ant1	2437	106Tone	RU54	0.88	9.62	9.15
11AX20SISO	Ant1	2462	26Tone	RU0	0.88	5.10	17.25
11AX20SISO	Ant1	2462	26Tone	RU4	0.88	5.10	17.25

11AX20SISO	Ant1	2462	26Tone	RU8	0.88	5.10	17.25
11AX20SISO	Ant1	2462	52Tone	RU37	0.88	8.74	10.07
11AX20SISO	Ant1	2462	52Tone	RU39	0.88	8.74	10.07
11AX20SISO	Ant1	2462	52Tone	RU40	0.88	8.74	10.07
11AX20SISO	Ant1	2462	106Tone	RU53	0.86	9.60	8.96
11AX20SISO	Ant1	2462	106Tone	RU54	0.88	9.62	9.15

Test Graphs



NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462



NTNV-11AX20SISO-Ant1-2412



NTNV-11AX20SISO-Ant1-2437

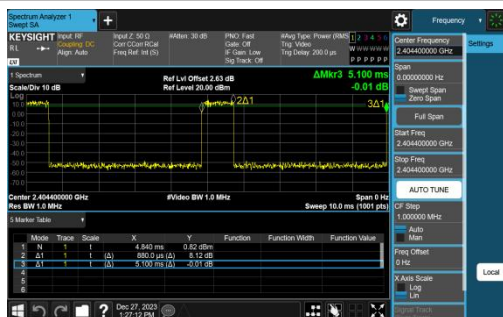


NTNV-11AX20SISO-Ant1-2462



Test Graphs_AX Part RU

NTNV-11AX20SISO-Ant1-2412-26Tone-RU0



NTNV-11AX20SISO-Ant1-2412-26Tone-RU4



NTNV-11AX20SISO-Ant1-2412-26Tone-RU8



NTNV-11AX20SISO-Ant1-2412-52Tone-RU37



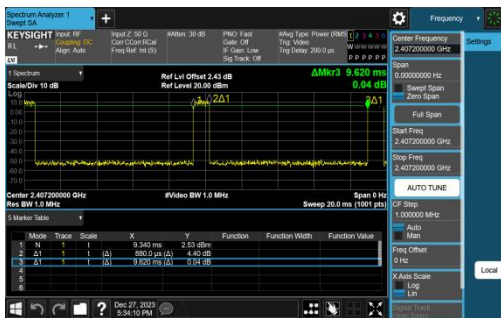
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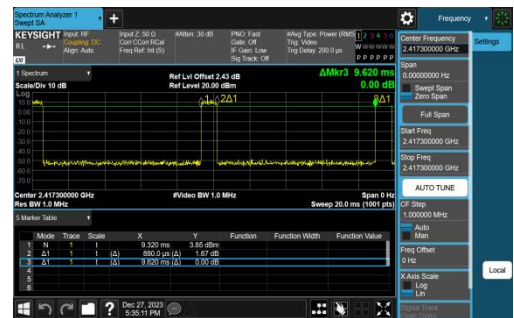
NTNV-11AX20SISO-Ant1-2412-52Tone-RU40



NTNV-11AX20SISO-Ant1-2412-106Tone-RU53



NTNV-11AX20SISO-Ant1-2412-106Tone-RU54



NTNV-11AX20SISO-Ant1-2437-26Tone-RU0



NTNV-11AX20SISO-Ant1-2437-26Tone-RU4



NTNV-11AX20SISO-Ant1-2437-26Tone-RU8



NTNV-11AX20SISO-Ant1-2437-52Tone-RU37



NTNV-11AX20SISO-Ant1-2437-52Tone-RU39



NTNV-11AX20SISO-Ant1-2437-52Tone-RU40



NTNV-11AX20SISO-Ant1-2437-106Tone-RU53



NTNV-11AX20SISO-Ant1-2437-106Tone-RU54



NTNV-11AX20SISO-Ant1-2462-26Tone-RU0



NTNV-11AX20SISO-Ant1-2462-26Tone-RU4



NTNV-11AX20SISO-Ant1-2462-26Tone-RU8



NTNV-11AX20SISO-Ant1-2462-52Tone-RU37



NTNV-11AX20SISO-Ant1-2462-52Tone-RU39



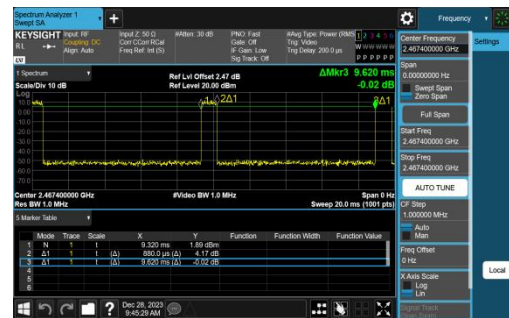
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NTNV-11AX20SISO-Ant1-2462-106Tone-RU53



NTNV-11AX20SISO-Ant1-2462-106Tone-RU54



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*****