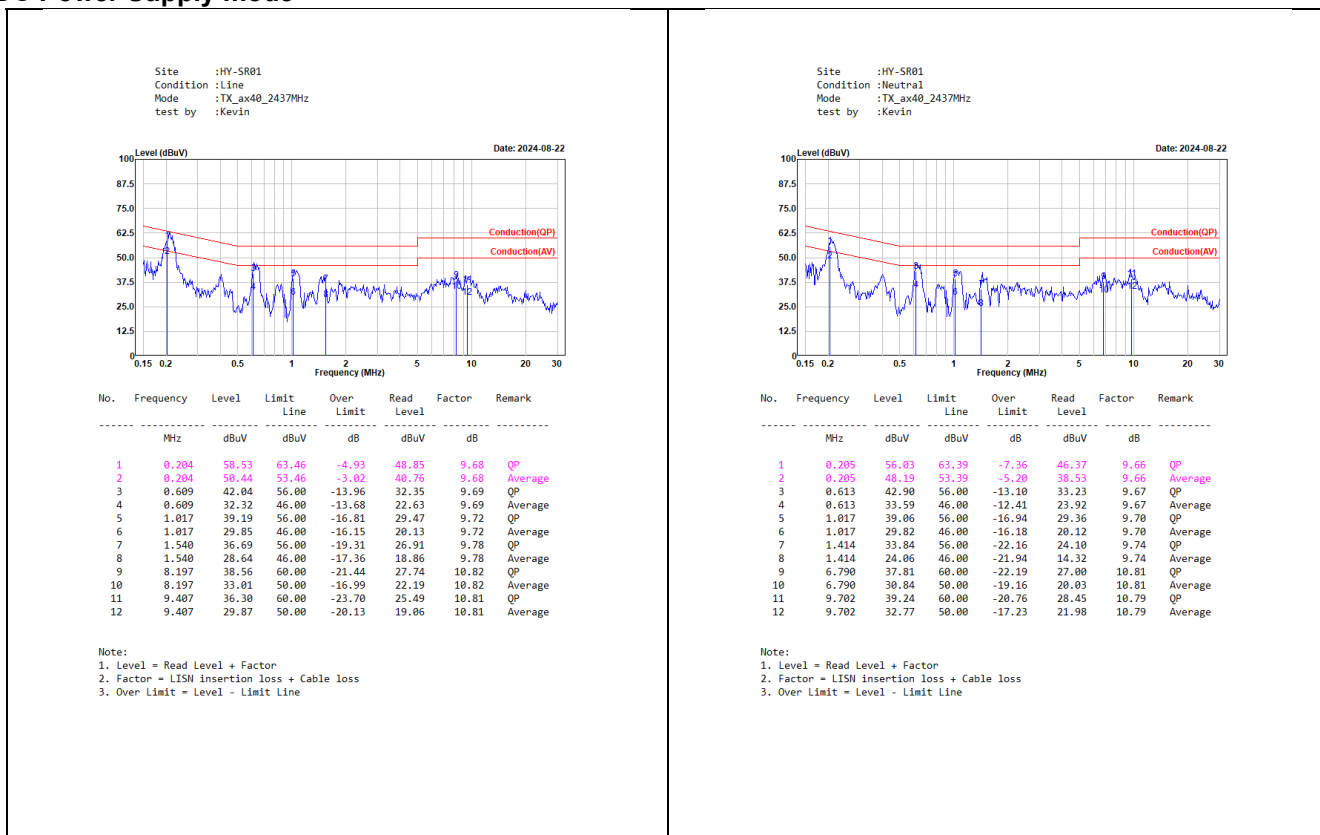


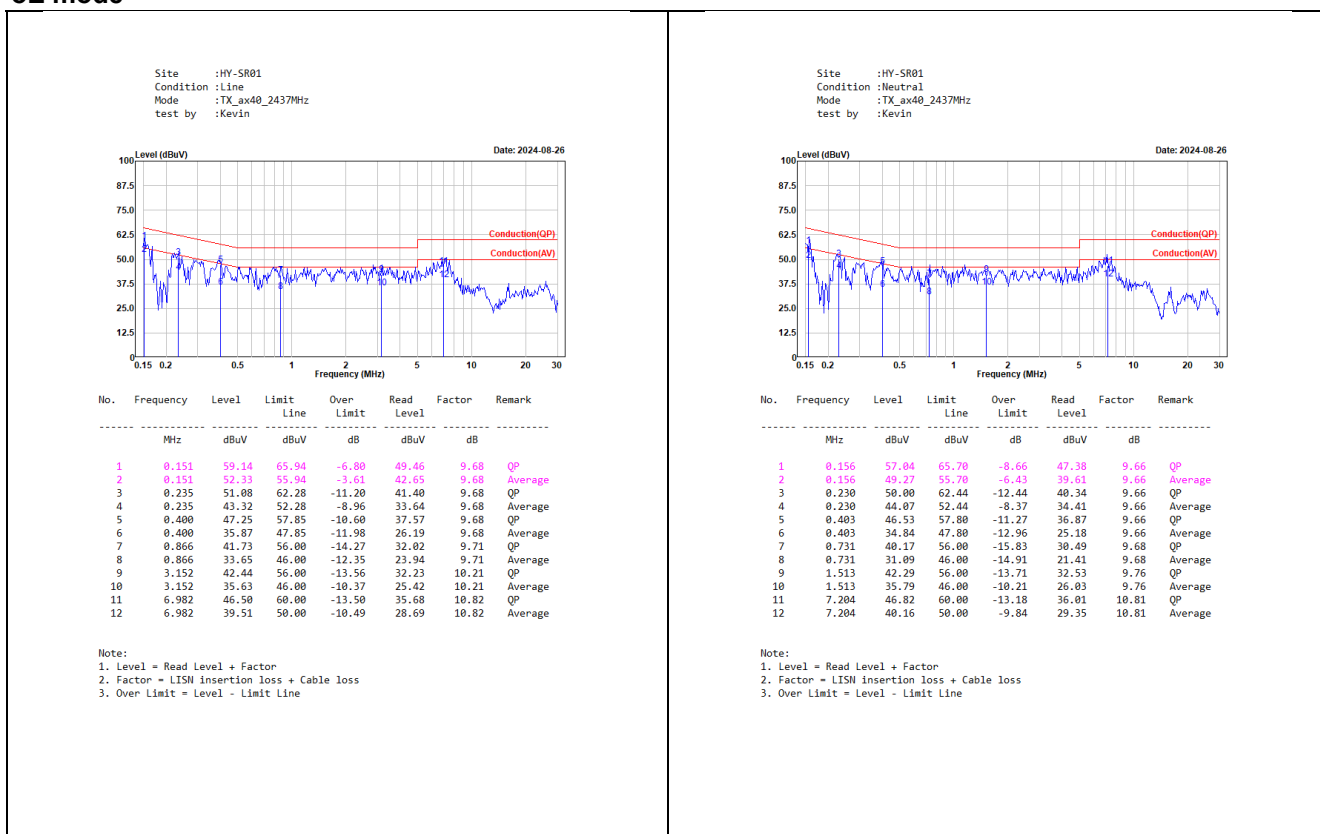
Appendix A. Test Result of AC Power Line Conducted Emission

Antenna Type: Panel

DC Power Supply mode

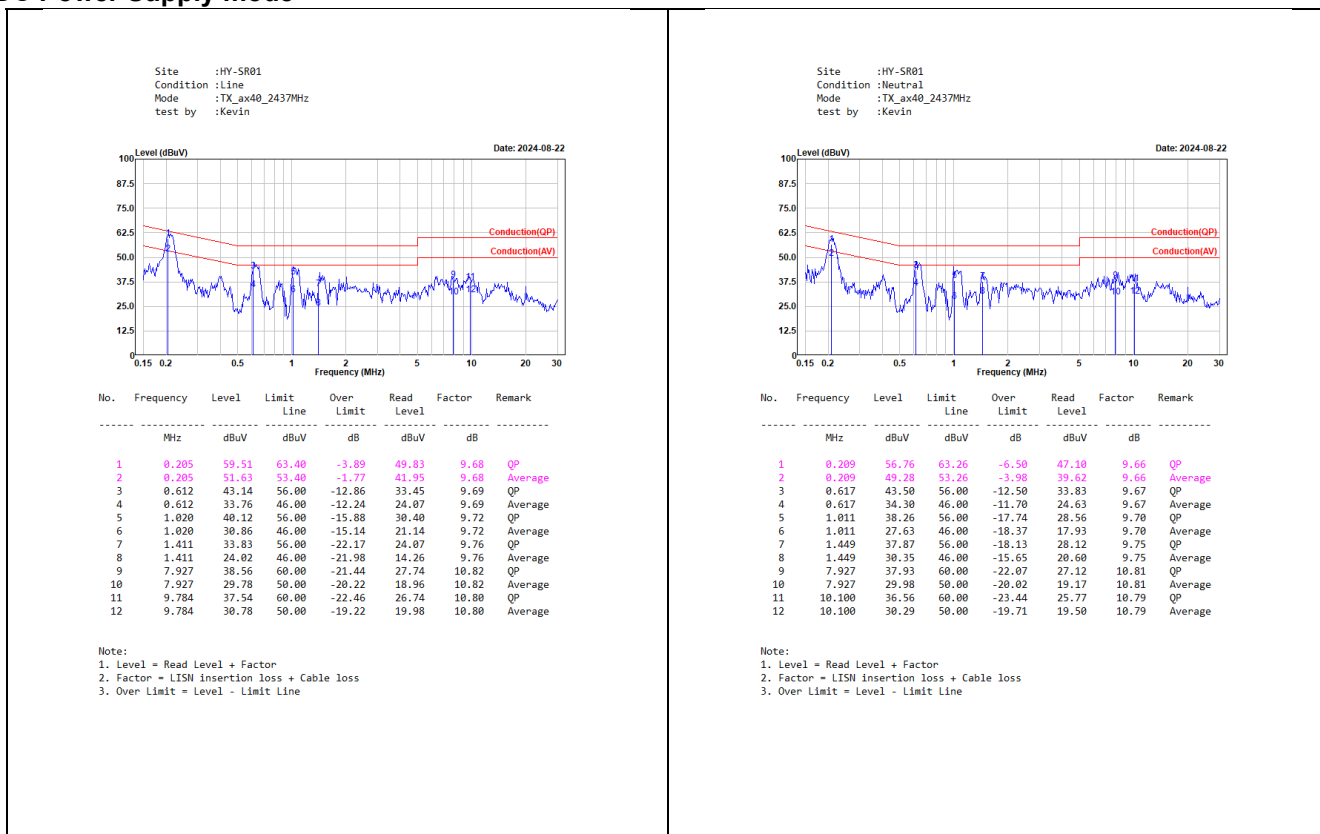


PoE mode

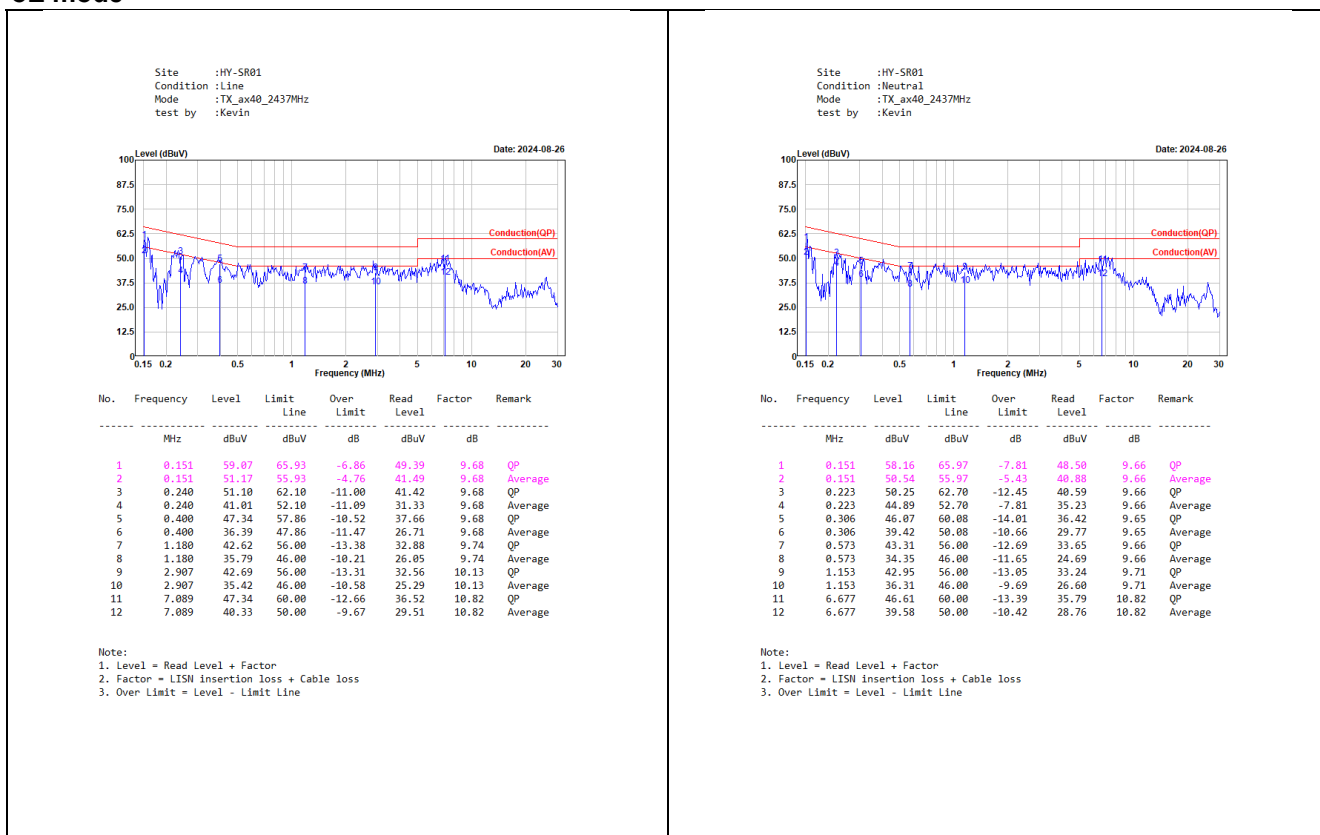


Antenna Type: Dipole

DC Power Supply mode



PoE mode

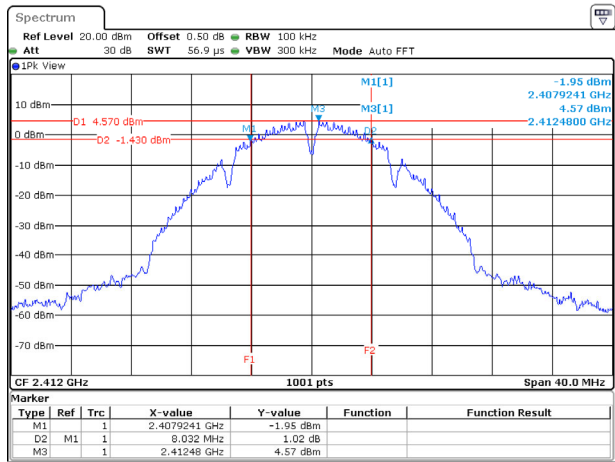


Appendix B. 6 dB Bandwidth

Antenna Type: Panel

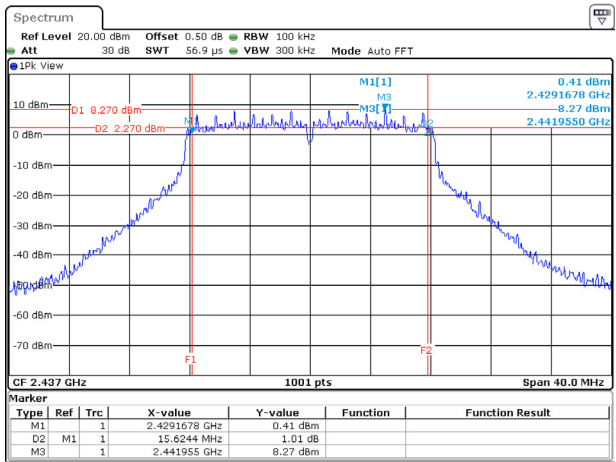
Modulation	Chain	Frequency (MHz)	Measured Value (kHz)	Limit (kHz)	Result
802.11b	A	2412	8032	>500	Pass
		2437	8032	>500	Pass
		2462	8032	>500	Pass
	B	2412	8032	>500	Pass
		2437	8032	>500	Pass
		2462	8032	>500	Pass
802.11g	A	2412	15784	>500	Pass
		2437	15664	>500	Pass
		2462	15984	>500	Pass
	B	2412	16024	>500	Pass
		2437	15624	>500	Pass
		2462	16264	>500	Pass
802.11ax (20 MHz)	A	2412	18542	>500	Pass
		2437	18621	>500	Pass
		2462	18941	>500	Pass
	B	2412	18422	>500	Pass
		2437	17942	>500	Pass
		2462	18861	>500	Pass
802.11ax (40 MHz)	A	2422	37403	>500	Pass
		2437	37403	>500	Pass
		2452	37562	>500	Pass
	B	2422	37802	>500	Pass
		2437	35804	>500	Pass
		2452	37083	>500	Pass

802.11b / 2412 MHz / Chain A



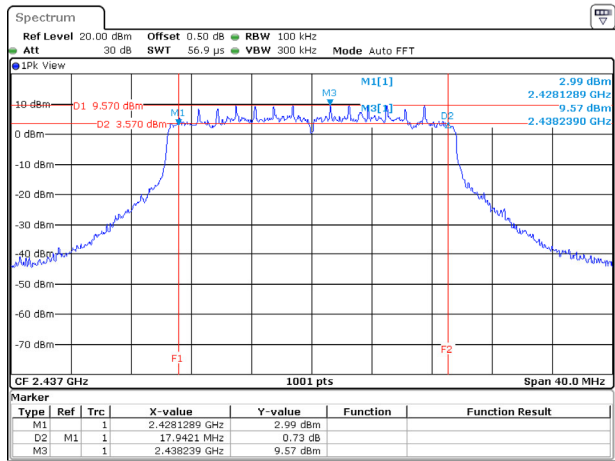
Date: 8.AUG.2024 04:41:05

802.11g / 2437 MHz / Chain B



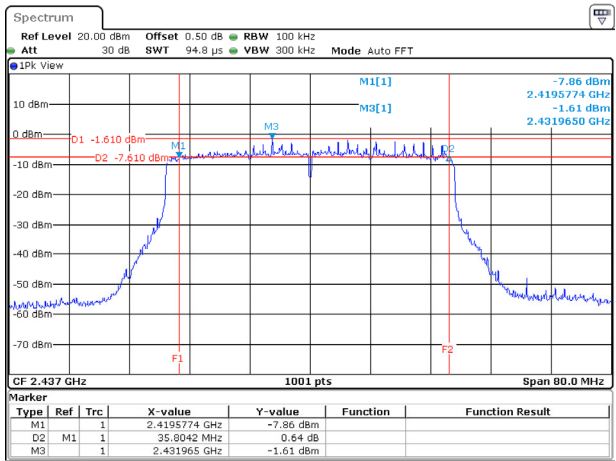
Date: 8.AUG.2024 04:11:30

802.11ax (20MHz) / 2437 MHz / Chain B



Date: 8.AUG.2024 04:17:33

802.11ax (40MHz) / 2437 MHz / Chain B

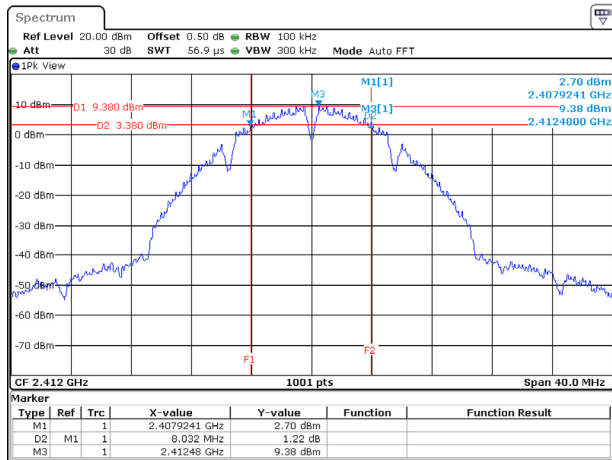


Date: 8.AUG.2024 04:23:41

Antenna Type: Dipole

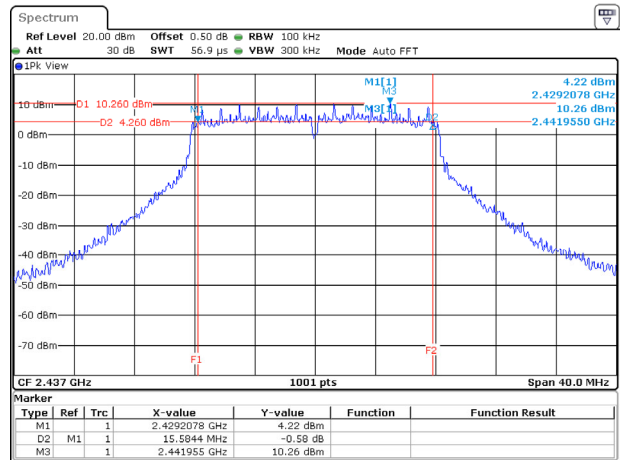
Modulation	Chain	Frequency (MHz)	Measured Value (kHz)	Limit (kHz)	Result
802.11b	A	2412	8032	>500	Pass
		2437	8032	>500	Pass
		2462	8032	>500	Pass
	B	2412	8032	>500	Pass
		2437	8032	>500	Pass
		2462	8032	>500	Pass
802.11g	A	2412	15904	>500	Pass
		2437	15784	>500	Pass
		2462	15784	>500	Pass
	B	2412	15744	>500	Pass
		2437	15584	>500	Pass
		2462	16024	>500	Pass
802.11ax (20 MHz)	A	2412	18981	>500	Pass
		2437	18102	>500	Pass
		2462	18382	>500	Pass
	B	2412	18142	>500	Pass
		2437	18422	>500	Pass
		2462	18062	>500	Pass
802.11ax (40 MHz)	A	2422	37403	>500	Pass
		2437	37403	>500	Pass
		2452	37642	>500	Pass
	B	2422	37243	>500	Pass
		2437	37882	>500	Pass
		2452	37003	>500	Pass

802.11b / 2412 MHz / Chain A



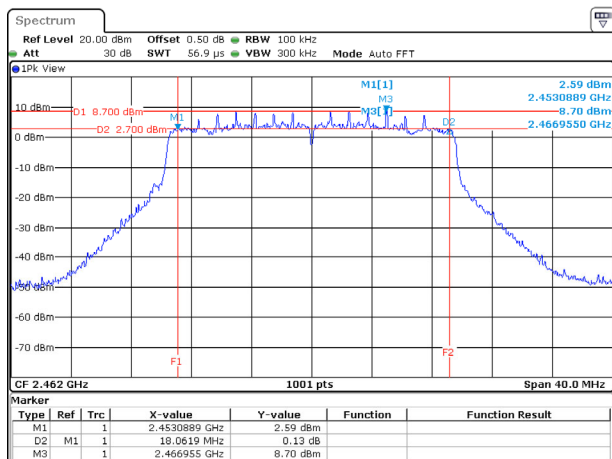
Date: 8.AUG.2024 02:31:02

802.11g / 2437 MHz / Chain B



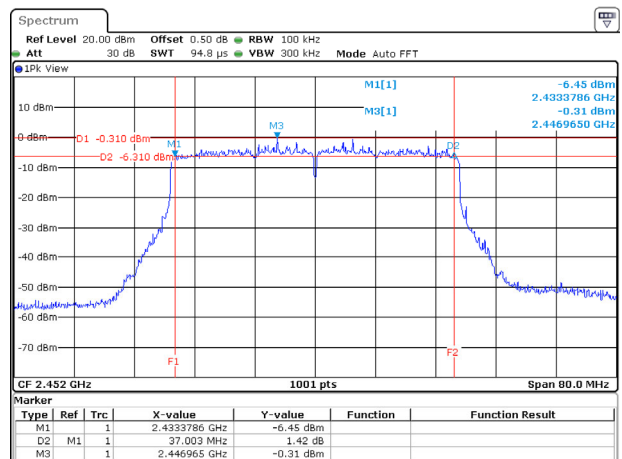
Date: 8.AUG.2024 03:30:50

802.11ax (20MHz) / 2462 MHz / Chain B



Date: 8.AUG.2024 03:19:14

802.11ax (40MHz) / 2452 MHz / Chain B



Date: 8.AUG.2024 03:08:40

Appendix C. Test Result of Maximum Conducted Output Power

Antenna Type: Panel

Modulation	Frequency (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	2412	14.61	14.96	17.80	23.66	Pass
	2437	15.07	15.28	18.19	23.66	Pass
	2462	14.27	14.95	17.63	23.66	Pass
802.11g	2412	15.16	15.37	18.28	23.66	Pass
	2437	19.05	19.38	22.23	23.66	Pass
	2462	19.85	20.56	23.23	23.66	Pass
802.11ax (20 MHz)	2412	11.65	11.91	14.79	23.66	Pass
	2437	20.05	20.42	23.25	23.66	Pass
	2462	12.45	12.98	15.73	23.66	Pass
802.11ax (40 MHz)	2422	9.81	9.56	12.70	23.66	Pass
	2437	12.51	12.74	15.64	23.66	Pass
	2452	12.44	12.81	15.64	23.66	Pass

Note: Average Output Power (dBm) = $10 \cdot \log(\text{Chain A (mW)} + \text{Chain B (mW)})$.

Beamforming mode

Modulation	Frequency (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11ax (20 MHz)	2412	8.64	8.90	11.78	20.65	Pass
	2437	17.04	17.41	20.24	20.65	Pass
	2462	9.44	9.97	12.72	20.65	Pass
802.11ax (40 MHz)	2422	13.01	12.84	15.94	20.65	Pass
	2437	15.74	15.97	18.87	20.65	Pass
	2452	15.75	16.15	18.96	20.65	Pass

Note: Average Output Power (dBm) = $10 \cdot \log(\text{Chain A (mW)} + \text{Chain B (mW)})$.

Antenna Type: Dipole

Modulation	Frequency (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	2412	19.85	20.16	23.02	28.60	Pass
	2437	12.52	12.79	15.67	28.60	Pass
	2462	11.36	11.82	14.61	28.60	Pass
802.11g	2412	18.75	18.99	21.88	28.60	Pass
	2437	21.11	21.39	24.26	28.60	Pass
	2462	23.62	24.51	27.10	28.60	Pass
802.11ax (20 MHz)	2412	18.32	18.51	21.43	28.60	Pass
	2437	24.01	24.22	27.13	28.60	Pass
	2462	18.88	19.62	22.28	28.60	Pass
802.11ax (40 MHz)	2422	16.15	16.24	19.21	28.60	Pass
	2437	18.65	18.82	21.75	28.60	Pass
	2452	13.89	14.21	17.06	28.60	Pass

Note: Average Output Power (dBm) = $10 \cdot \log(\text{Chain A (mW)} + \text{Chain B (mW)})$.

Beamforming mode

Modulation	Frequency (MHz)	Chain A Power (dBm)	Chain B Power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11ax (20 MHz)	2412	15.31	15.50	18.42	25.59	Pass
	2437	21.00	21.21	24.12	25.59	Pass
	2462	15.87	16.61	19.27	25.59	Pass
802.11ax (40 MHz)	2422	13.14	13.23	16.20	25.59	Pass
	2437	15.64	15.81	18.74	25.59	Pass
	2452	10.88	11.20	14.05	25.59	Pass

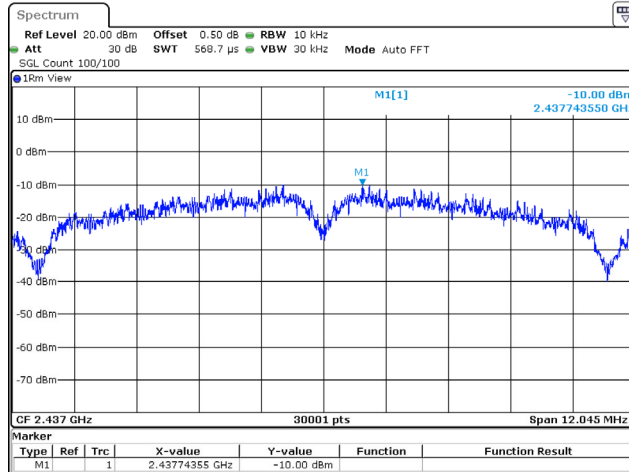
Note: Average Output Power (dBm) = $10 \cdot \log(\text{Chain A (mW)} + \text{Chain B (mW)})$.

Appendix D. Test Result of Power Spectral Density

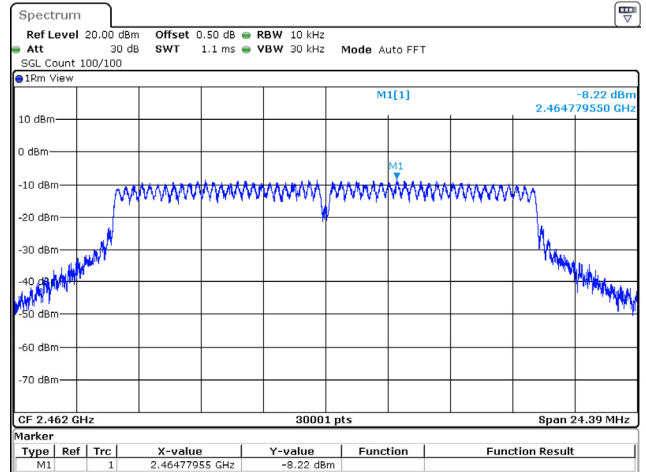
Antenna Type: Panel

Modulation	Frequency (MHz)	Chain	Measured Value (dBm/10kHz)	Duty Factor (dB)	Total PSD (dBm/10kHz)	Limit (dBm/3kHz)	Result
802.11b	2412	A	-10.850	1.186	-6.869	-1.35	Pass
		B	-11.290				Pass
	2437	A	-10.000	1.186	-6.154	-1.35	Pass
		B	-10.730				Pass
	2462	A	-11.490	1.186	-7.570	-1.35	Pass
		B	-12.060				Pass
802.11g	2412	A	-14.510	0.298	-11.373	-1.35	Pass
		B	-14.860				Pass
	2437	A	-10.280	0.298	-6.896	-1.35	Pass
		B	-10.130				Pass
	2462	A	-9.070	0.298	-5.316	-1.35	Pass
		B	-8.220				Pass
802.11ax (20 MHz)	2412	A	-19.790	0.000	-16.648	-1.35	Pass
		B	-19.530				Pass
	2437	A	-10.840	0.000	-7.795	-1.35	Pass
		B	-10.770				Pass
	2462	A	-19.040	0.000	-15.762	-1.35	Pass
		B	-18.520				Pass
802.11ax (40 MHz)	2422	A	-24.600	0.142	-21.570	-1.35	Pass
		B	-24.850				Pass
	2442	A	-21.850	0.142	-18.687	-1.35	Pass
		B	-21.830				Pass
	2452	A	-21.910	0.142	-18.697	-1.35	Pass
		B	-21.790				Pass

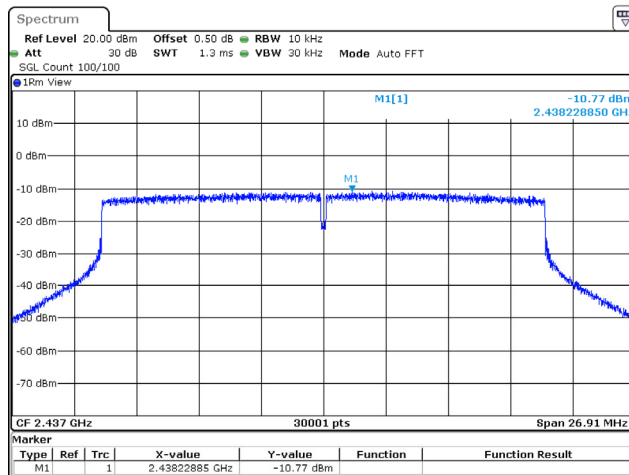
Note: Total PSD = 10*log(Chain A (mW) + Chain B (mW)) + Duty Factor.

802.11b / 2437 MHz / Chain A

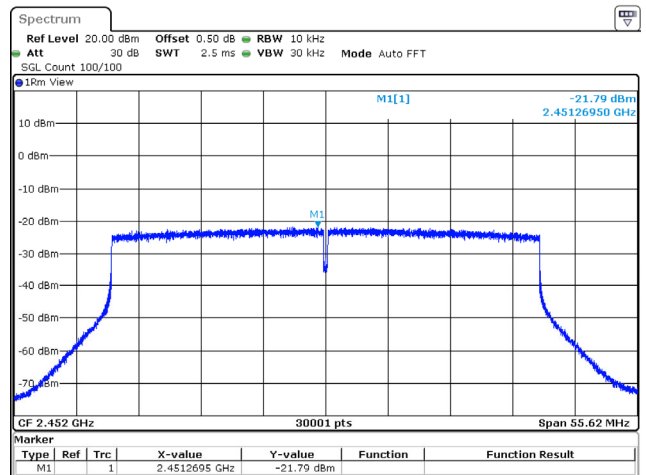
Date: 8 AUG 2024 04:43:16

802.11g / 2462 MHz / Chain B

Date: 8 AUG 2024 04:13:39

802.11ax (20 MHz) / 2437 MHz / Chain B

Date: 8 AUG 2024 04:17:50

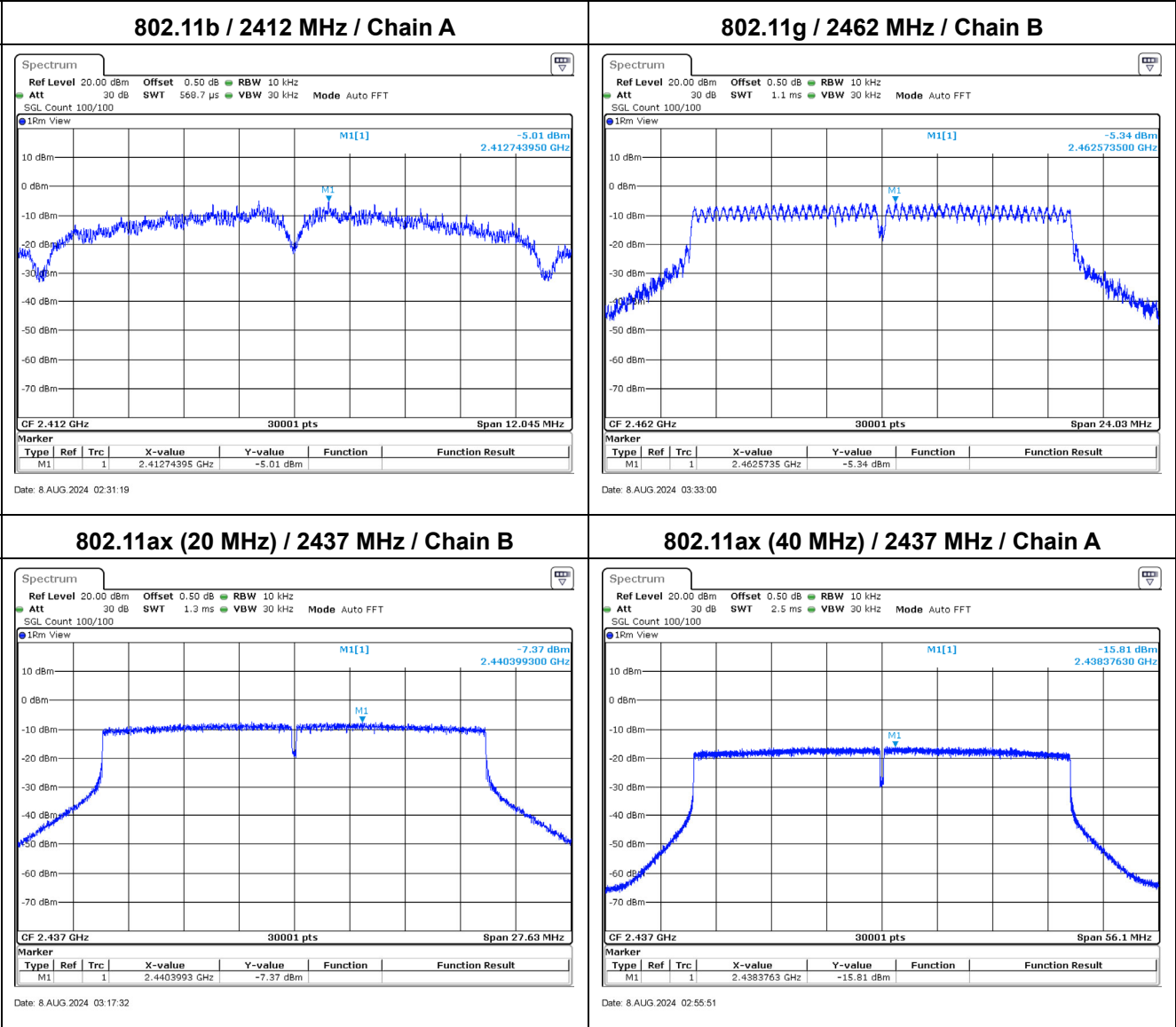
802.11ax (40 MHz) / 2452 MHz / Chain B

Date: 8 AUG 2024 04:25:45

Antenna Type: Dipole

Modulation	Frequency (MHz)	Chain	Measured Value (dBm/10kHz)	Duty Factor (dB)	Total PSD (dBm/10kHz)	Limit (dBm/3kHz)	Result
802.11b	2412	A	-5.010	1.186	-1.316	3.59	Pass
		B	-6.080				Pass
	2437	A	-12.350	1.186	-8.794	3.59	Pass
		B	-13.740				Pass
	2462	A	-15.010	1.186	-10.081	3.59	Pass
		B	-13.650				Pass
802.11g	2412	A	-10.920	0.298	-7.338	3.59	Pass
		B	-10.390				Pass
	2437	A	-8.350	0.298	-5.032	3.59	Pass
		B	-8.330				Pass
	2462	A	-5.530	0.298	-2.125	3.59	Pass
		B	-5.340				Pass
802.11ax (20 MHz)	2412	A	-13.180	0.000	-10.210	3.59	Pass
		B	-13.260				Pass
	2437	A	-7.450	0.000	-4.400	3.59	Pass
		B	-7.370				Pass
	2462	A	-12.420	0.000	-9.278	3.59	Pass
		B	-12.160				Pass
802.11ax (40 MHz)	2422	A	-17.600	0.142	-14.806	3.59	Pass
		B	-18.350				Pass
	2437	A	-15.810	0.142	-12.667	3.59	Pass
		B	-15.830				Pass
	2452	A	-20.490	0.142	-17.200	3.59	Pass
		B	-20.220				Pass

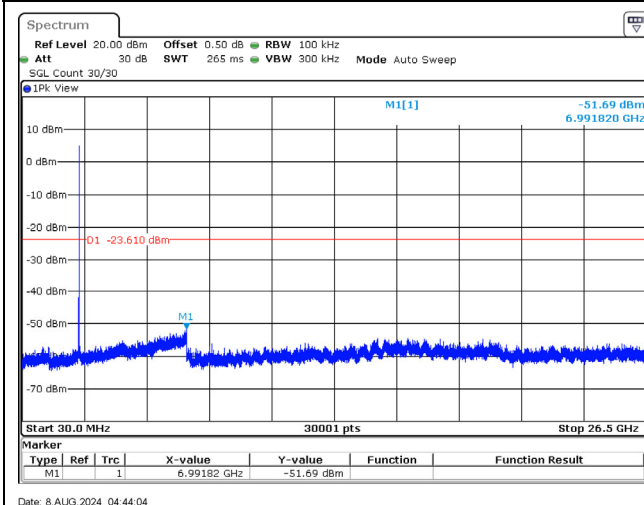
Note: Total PSD = 10*log(Chain A (mW) + Chain B (mW)) + Duty Factor.



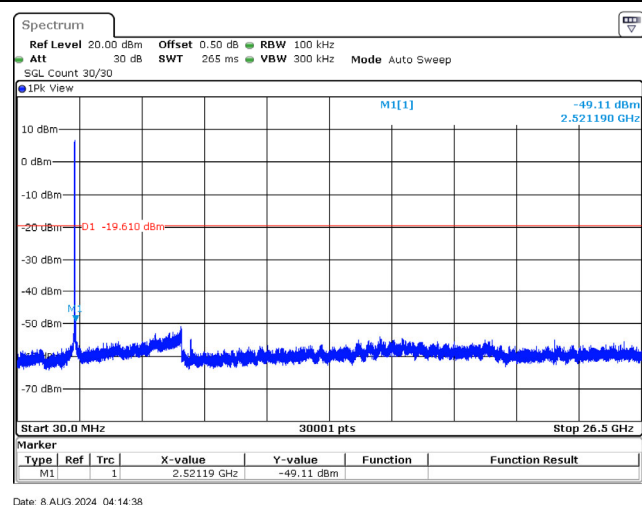
Appendix E. Test Result of Antenna Port Conducted Emission

Antenna Type: Panel

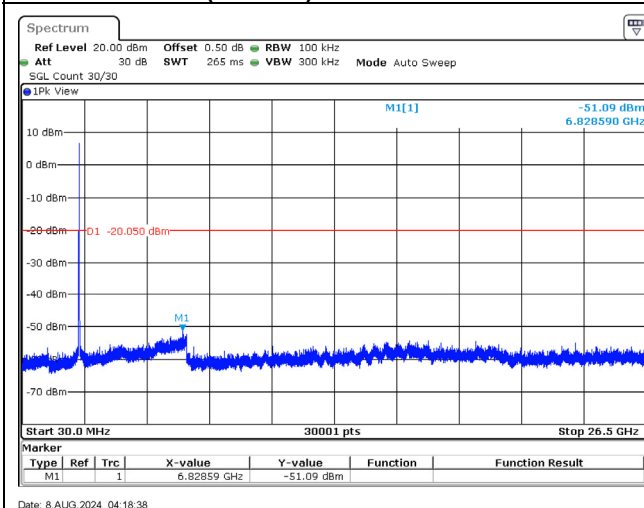
802.11b / 2437 MHz / Chain A



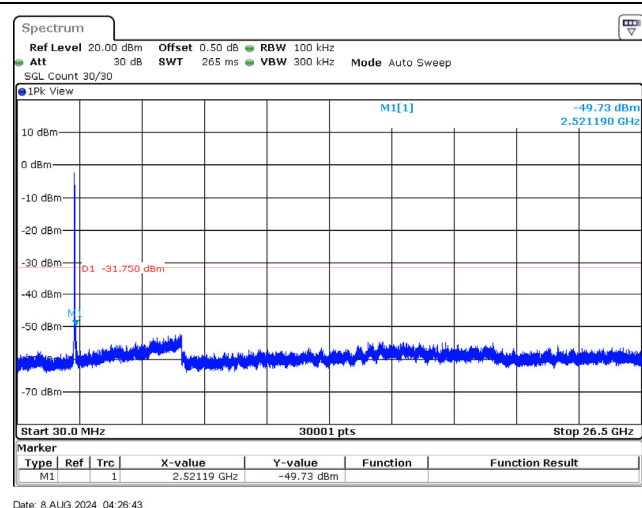
802.11g / 2462 MHz / Chain B



802.11ax (20 MHz) / 2437 MHz / Chain B

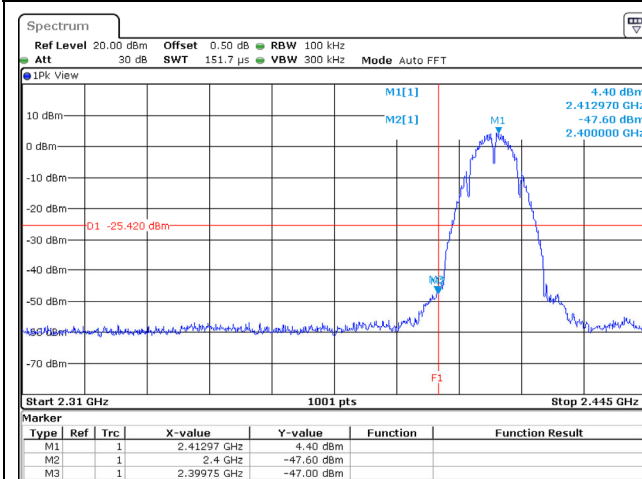


802.11ax (40 MHz) / 2452 MHz / Chain B



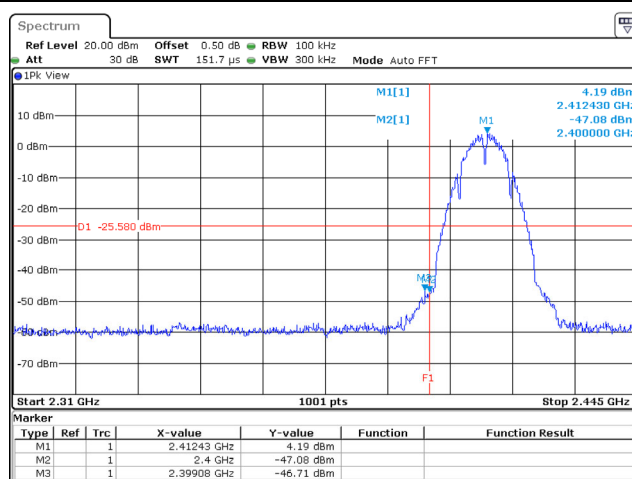
Modulation	Measurement Level Δ (dB)	Result
802.11b	> 30	PASS
802.11g	> 30	PASS
802.11ax (20MHz)	> 30	PASS
802.11ax (40MHz)	> 30	PASS

802.11b / 2412 MHz / Chain A



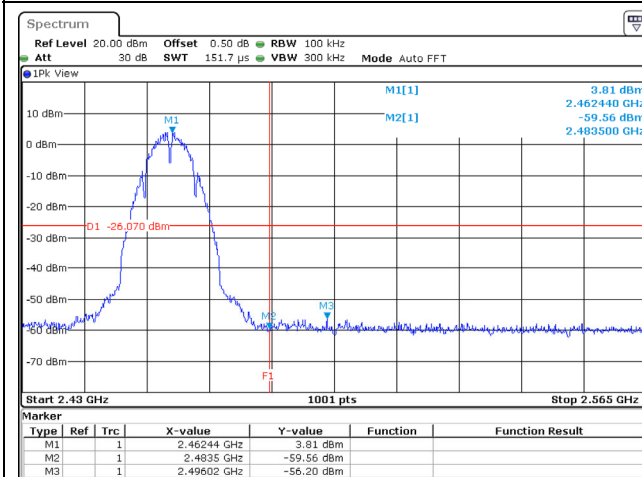
Date: 8.AUG.2024 04:41:43

802.11b / 2412 MHz / Chain B



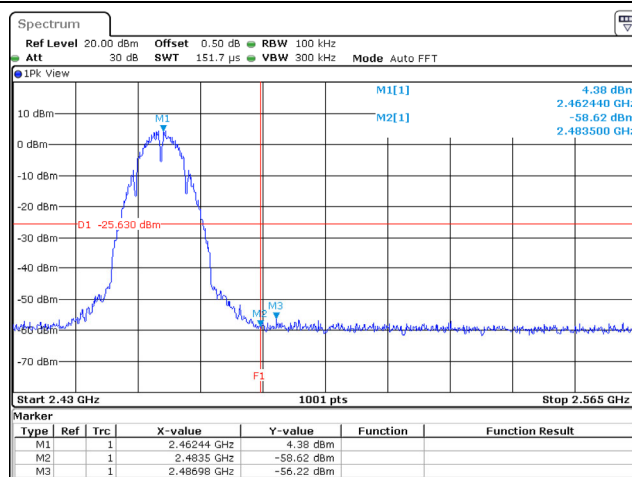
Date: 8.AUG.2024 04:03:50

802.11b / 2462 MHz / Chain A



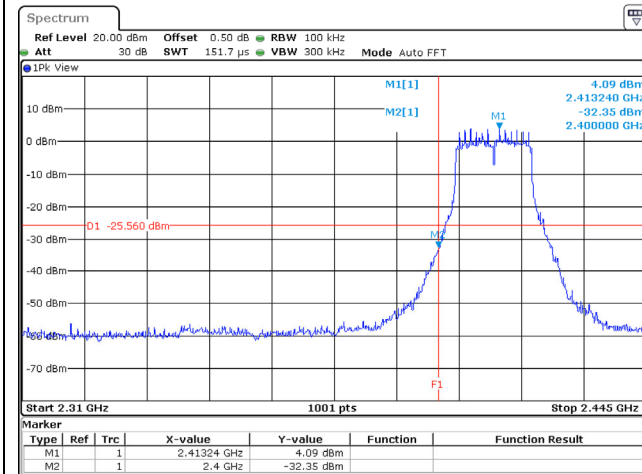
Date: 8.AUG.2024 04:45:54

802.11b / 2462 MHz / Chain B



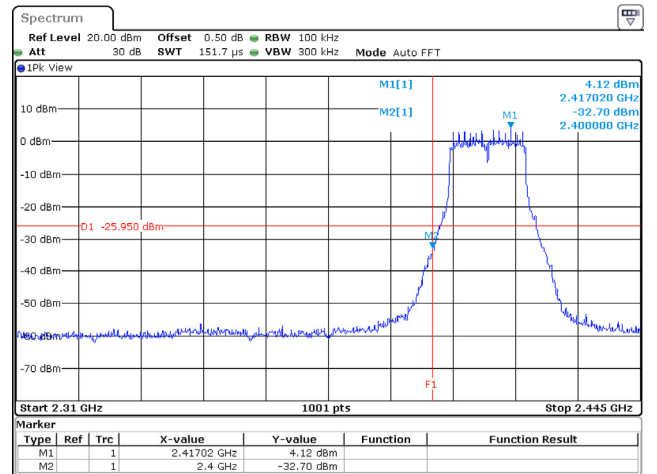
Date: 8.AUG.2024 04:07:26

802.11g / 2412 MHz / Chain A



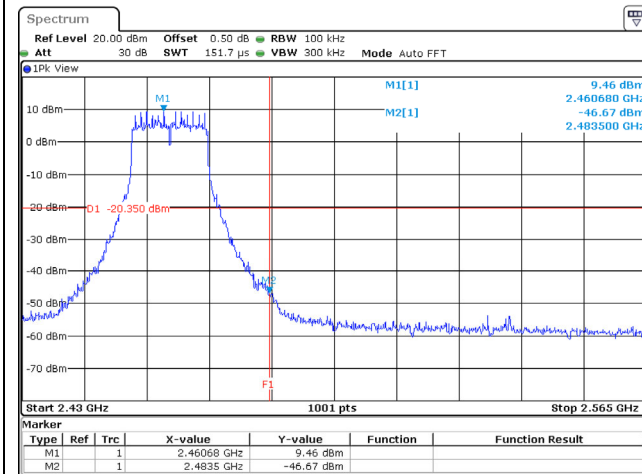
Date: 8.AUG.2024 04:59:50

802.11g / 2412 MHz / Chain B



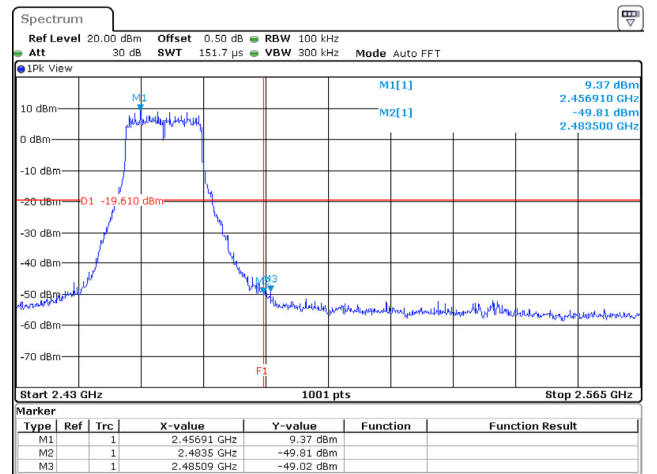
Date: 8.AUG.2024 04:09:22

802.11g / 2462 MHz / Chain A



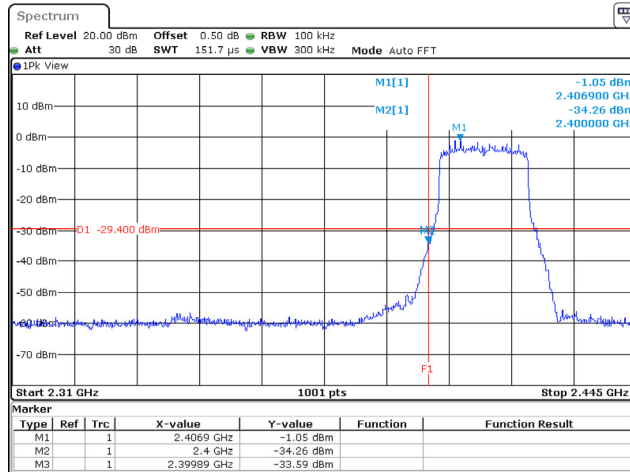
Date: 8.AUG.2024 05:03:57

802.11g / 2462 MHz / Chain B



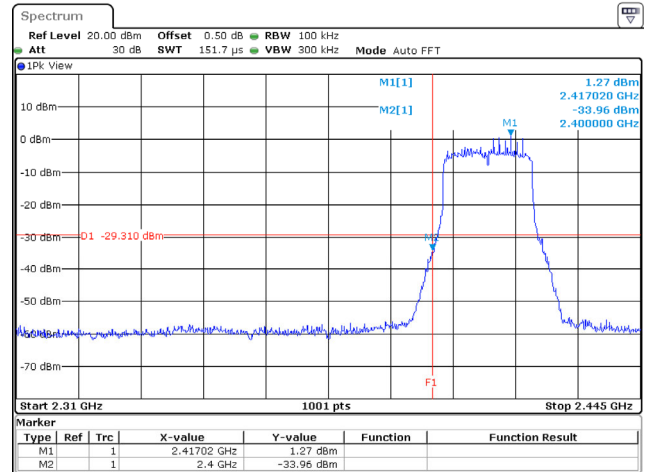
Date: 8.AUG.2024 04:14:00

802.11ax (20 MHz) / 2412 MHz / Chain A



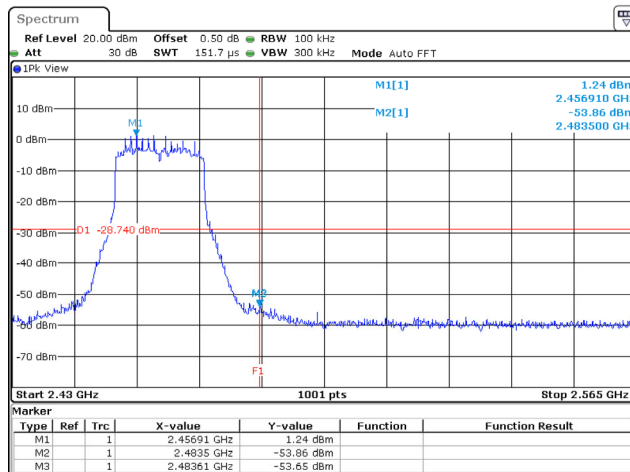
Date: 8.AUG.2024 04:35:16

802.11ax (20 MHz) / 2412 MHz / Chain B



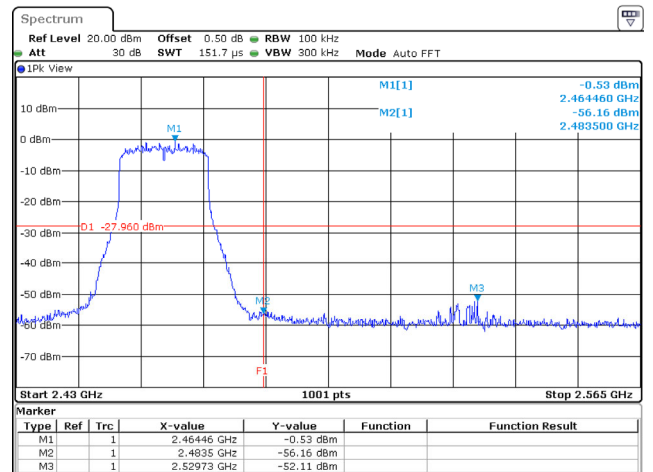
Date: 8.AUG.2024 04:16:13

802.11ax (20 MHz) / 2462 MHz / Chain A



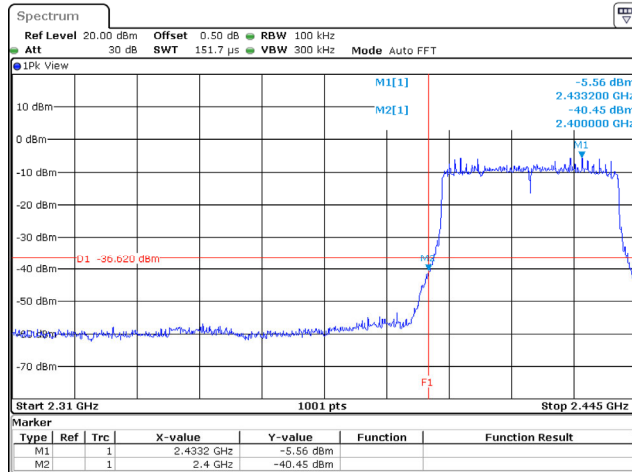
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802.11ax (20 MHz) / 2462 MHz / Chain B



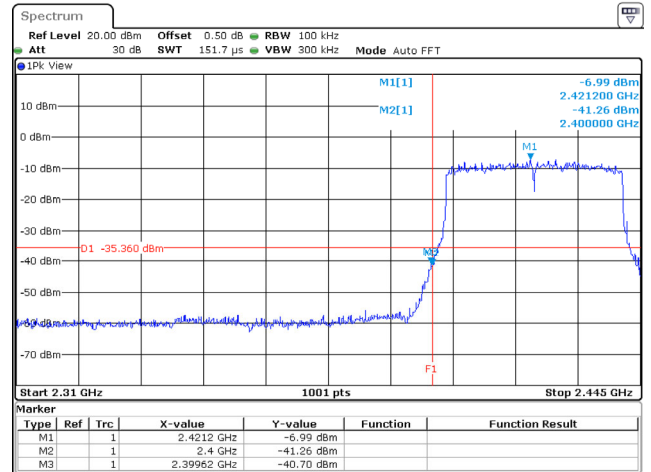
Date: 8.AUG.2024 04:20:43

802.11ax (40 MHz) / 2422 MHz / Chain A



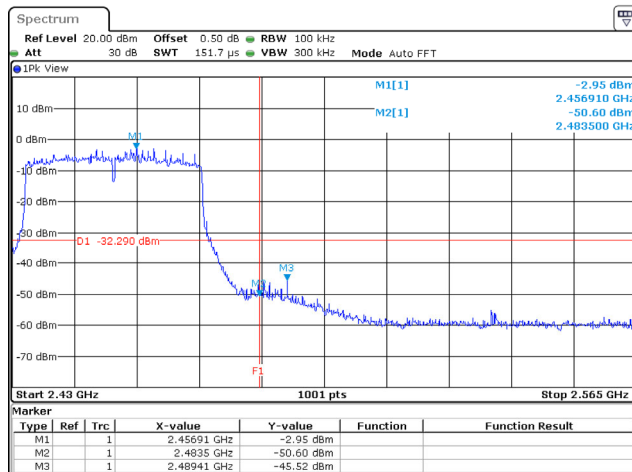
Date: 8.AUG.2024 04:32:48

802.11ax (40 MHz) / 2422 MHz / Chain B



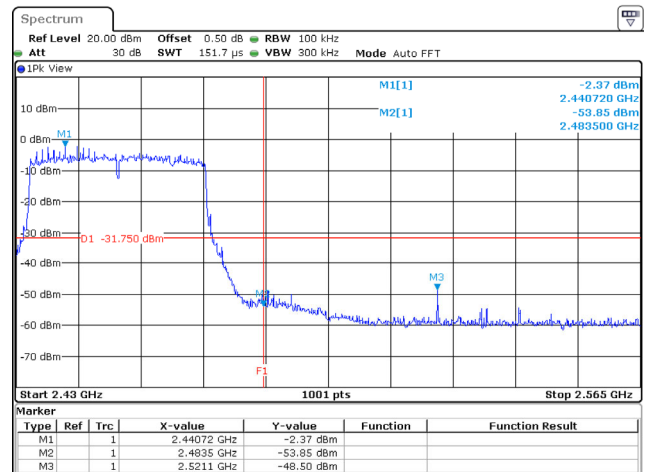
Date: 8.AUG.2024 04:22:14

802.11ax (40 MHz) / 2452 MHz / Chain A



Date: 8.AUG.2024 04:29:19

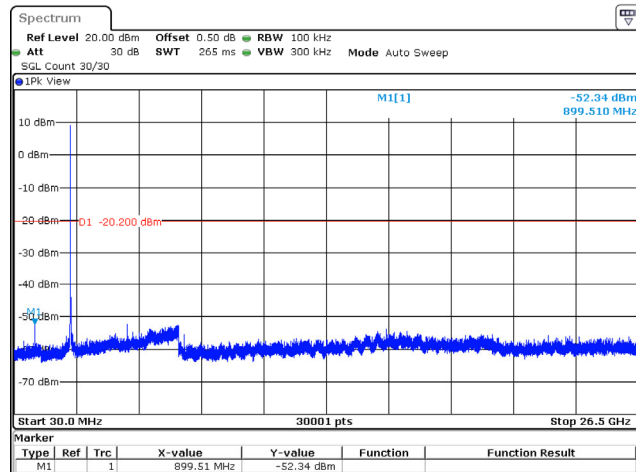
802.11ax (40 MHz) / 2452 MHz / Chain B



Date: 8.AUG.2024 04:27:33

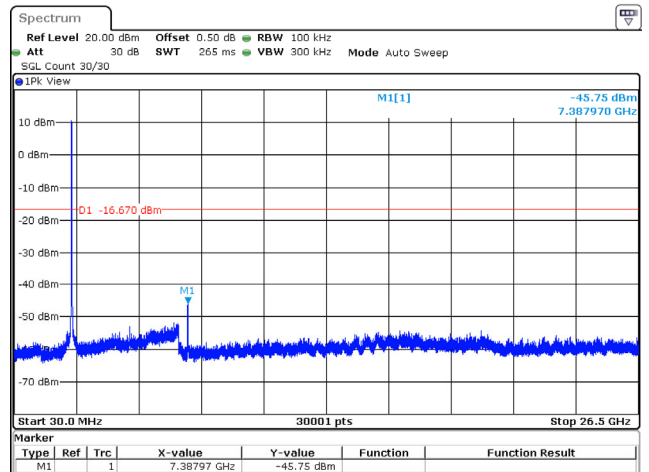
Antenna Type: Dipole

802.11b / 2412 MHz / Chain A



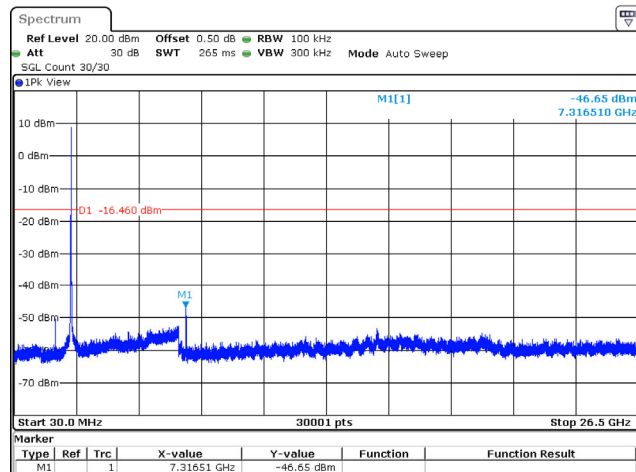
Date: 8.AUG.2024 02:32:17

802.11g / 2462 MHz / Chain B



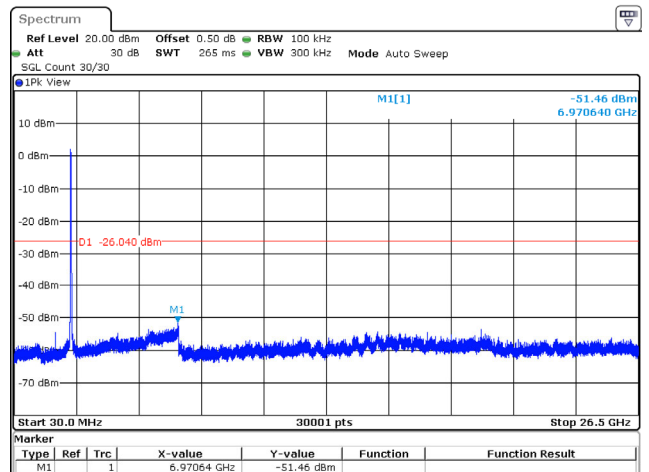
Date: 8.AUG.2024 03:33:58

802.11ax (20 MHz) / 2437 MHz / Chain B



Date: 8.AUG.2024 03:18:20

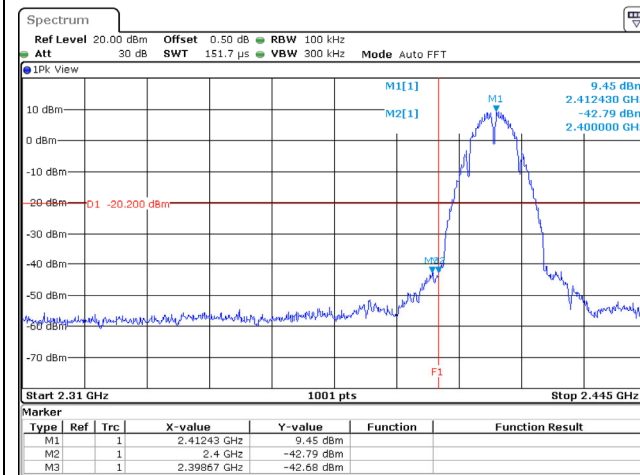
802.11ax (40 MHz) / 2437 MHz / Chain A



Date: 8.AUG.2024 02:56:39

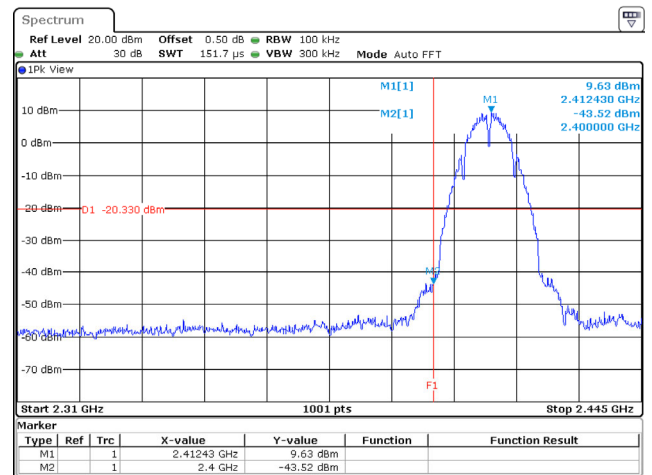
Modulation	Measurement Level Δ (dB)	Result
802.11b	> 30	PASS
802.11g	> 30	PASS
802.11ax (20MHz)	> 30	PASS
802.11ax (40MHz)	> 30	PASS

802.11b / 2412 MHz / Chain A



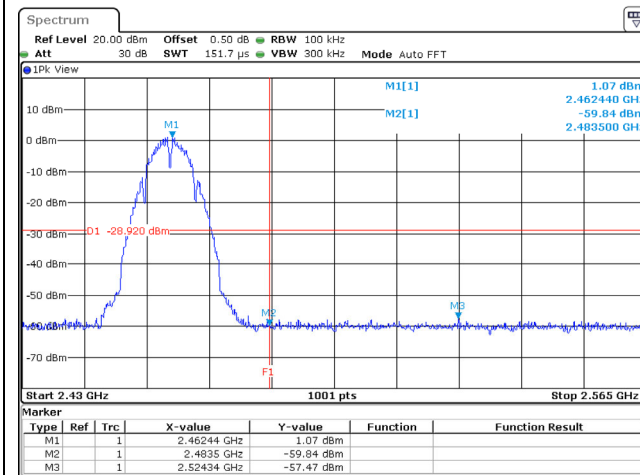
Date: 8.AUG.2024 02:31:40

802.11b / 2412 MHz / Chain B



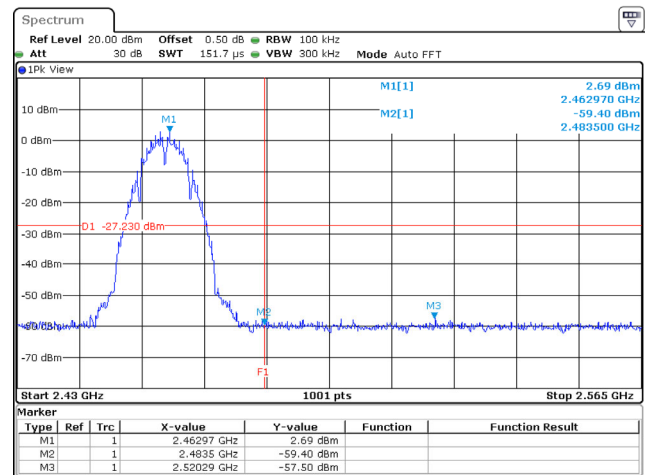
Date: 8.AUG.2024 03:21:58

802.11b / 2462 MHz / Chain A



Date: 8.AUG.2024 02:36:42

802.11b / 2462 MHz / Chain B



Date: 8.AUG.2024 03:25:56