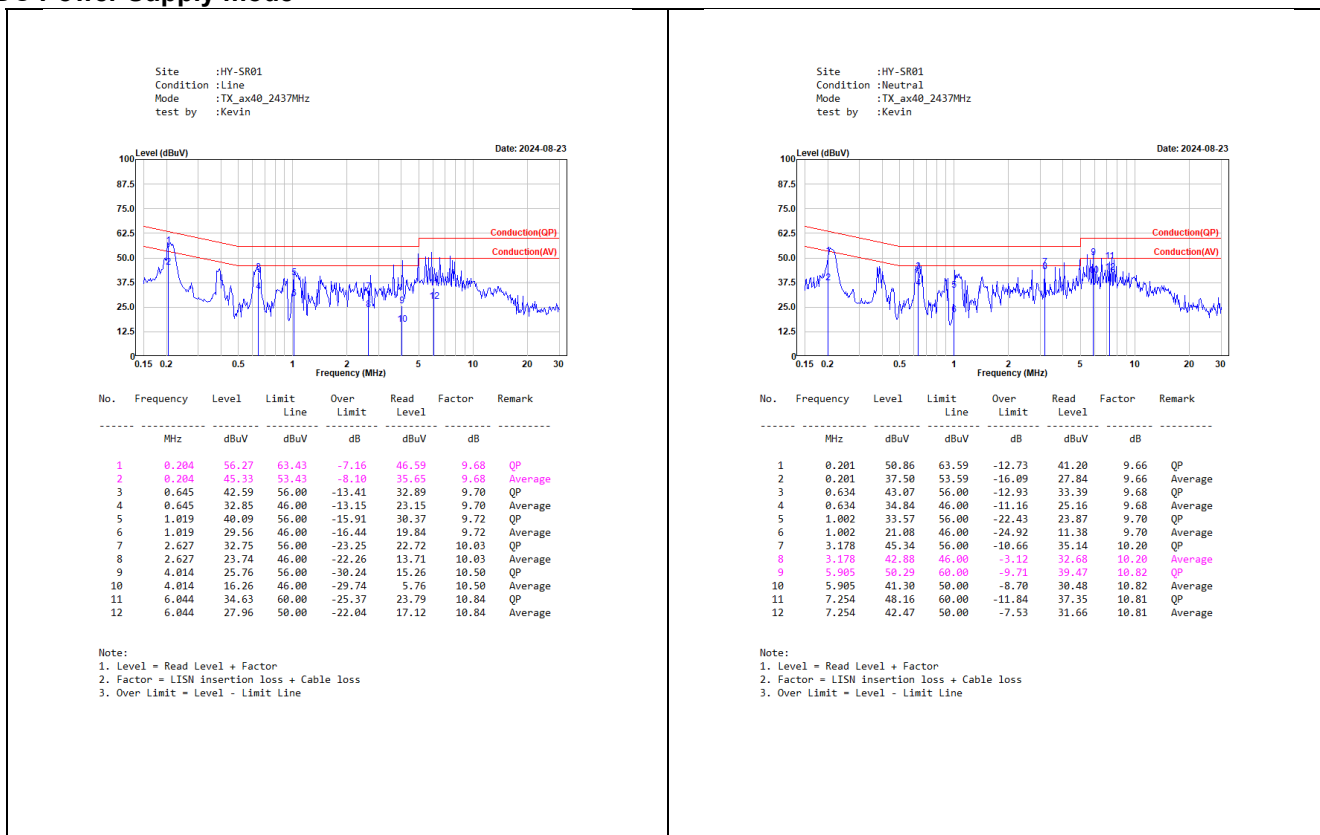


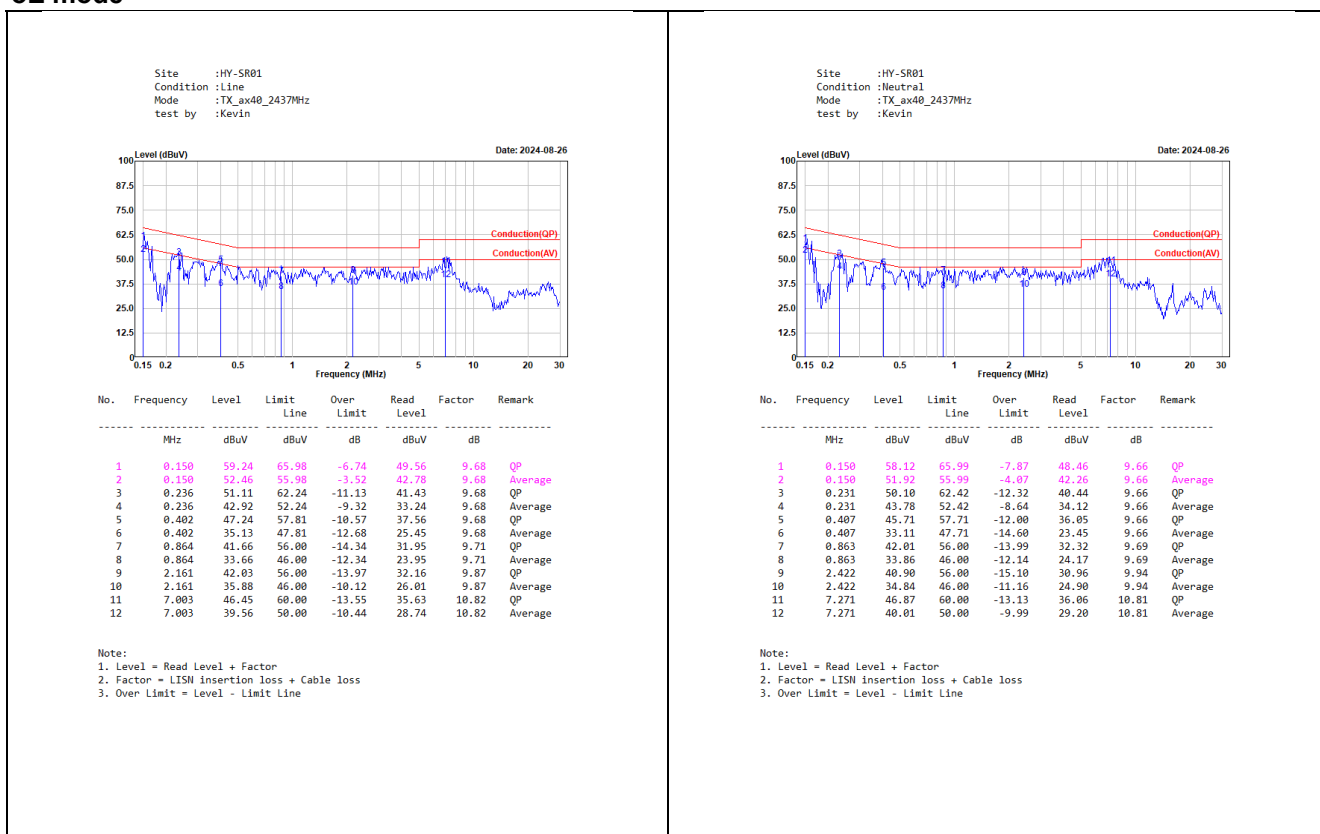
Appendix A. Test Result of AC Power Line Conducted Emission

Antenna Type: Panel

DC Power Supply mode

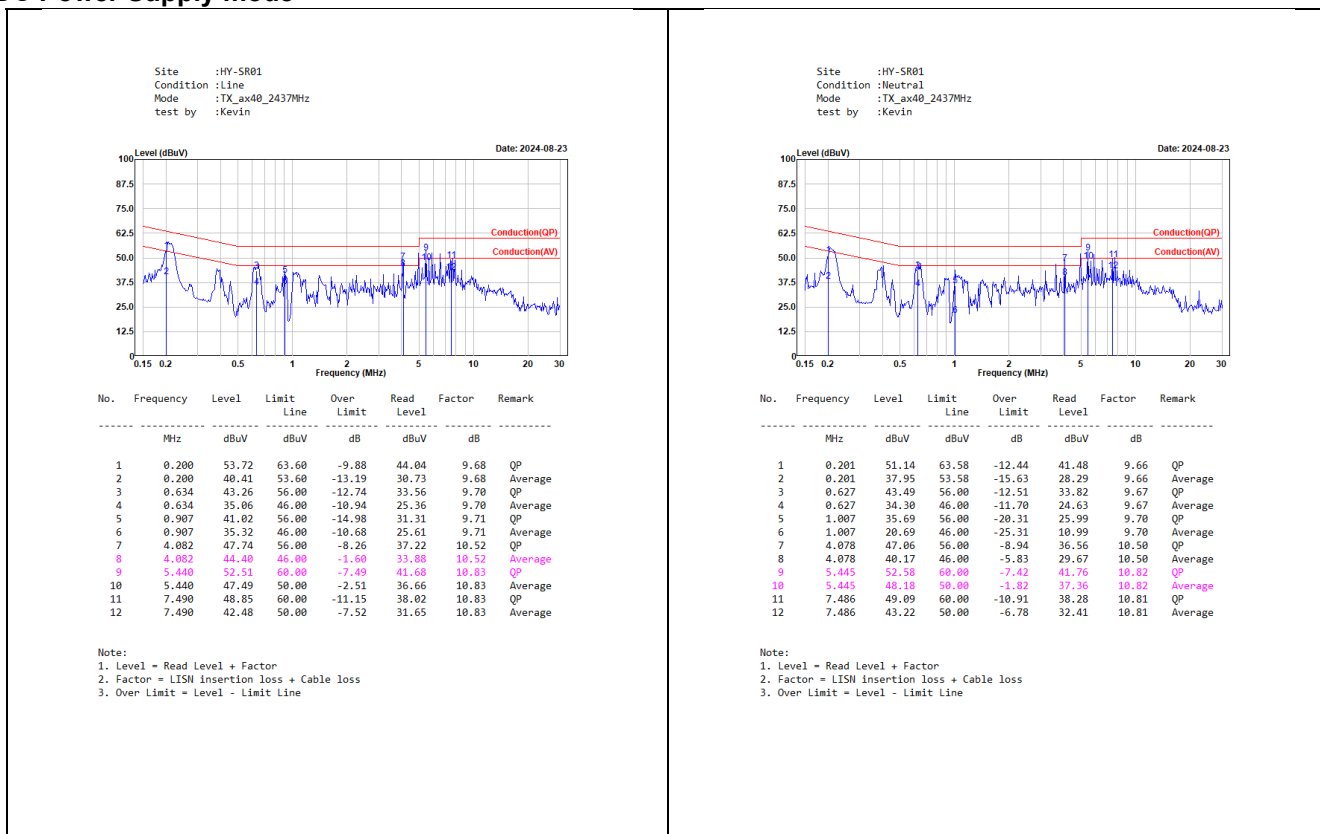


PoE mode

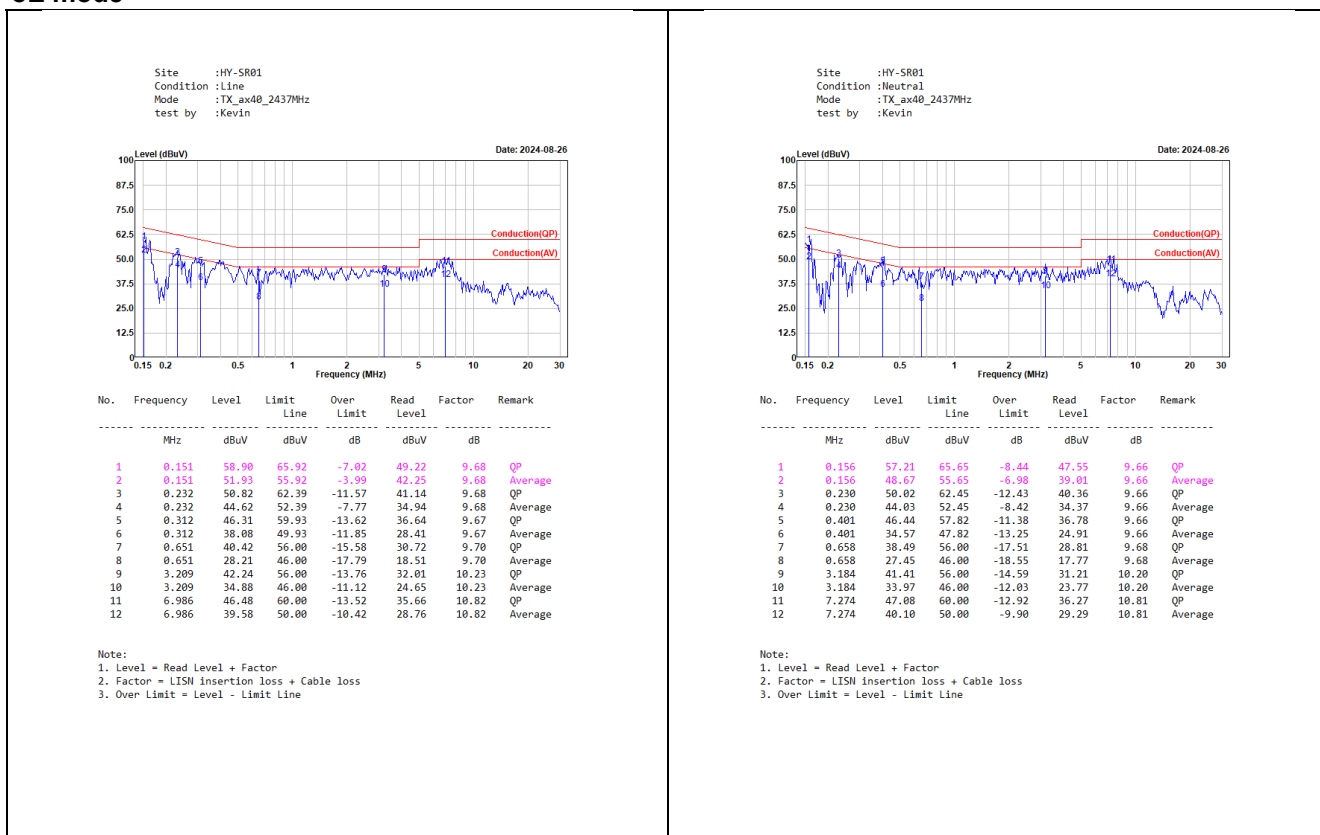


Antenna Type: Dipole

DC Power Supply mode



PoE mode

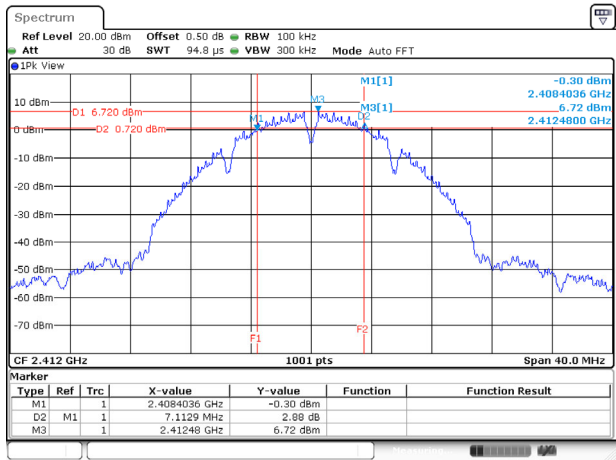


Appendix B. 6 dB Bandwidth

Antenna Type: Panel

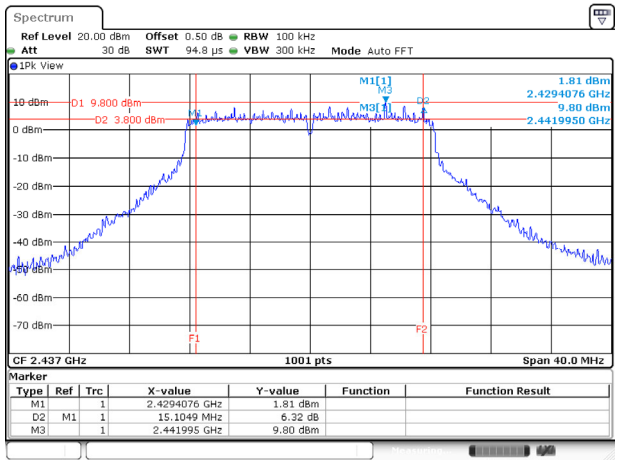
Modulation	Chain	Frequency (MHz)	Measured Value (kHz)	Limit (kHz)	Result
802.11b	A	2412	7113	>500	Pass
		2437	7513	>500	Pass
		2462	7313	>500	Pass
	B	2412	7113	>500	Pass
		2437	7513	>500	Pass
		2462	7313	>500	Pass
802.11g	A	2412	16264	>500	Pass
		2437	15105	>500	Pass
		2462	15105	>500	Pass
	B	2412	15904	>500	Pass
		2437	15505	>500	Pass
		2462	16024	>500	Pass
802.11ax (20 MHz)	A	2412	16903	>500	Pass
		2437	18342	>500	Pass
		2462	17902	>500	Pass
	B	2412	17063	>500	Pass
		2437	16663	>500	Pass
		2462	18661	>500	Pass
802.11ax (40 MHz)	A	2422	37483	>500	Pass
		2437	37802	>500	Pass
		2452	37403	>500	Pass
	B	2422	37722	>500	Pass
		2437	37163	>500	Pass
		2452	37483	>500	Pass

802.11b / 2412 MHz / Chain A



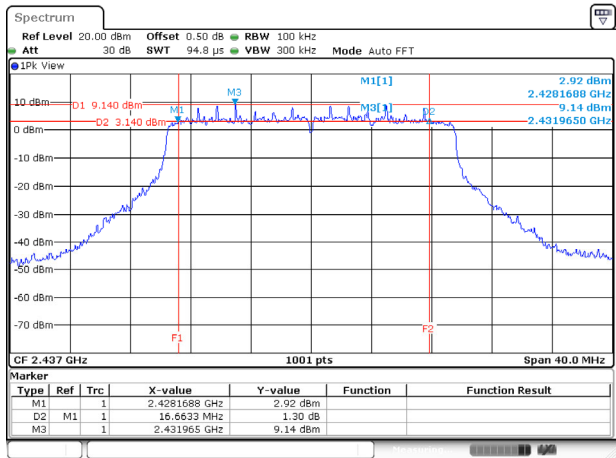
Date: 30 AUG 2024 10:48:10

802.11g / 2437 MHz / Chain A



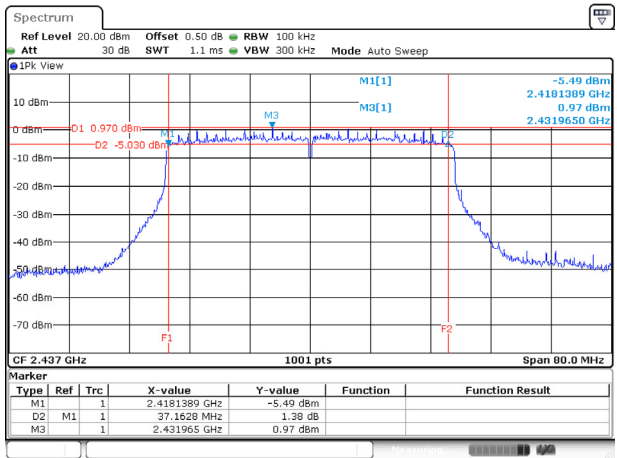
Date: 30 AUG 2024 13:16:41

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



Date: 30 AUG 2024 13:45:19

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

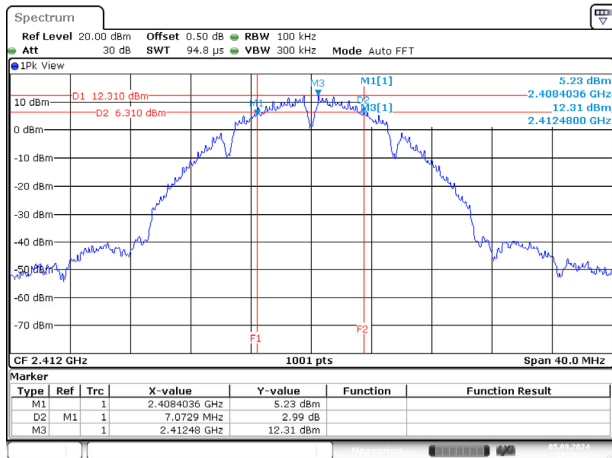


Date: 30 AUG 2024 14:17:46

Antenna Type: Dipole

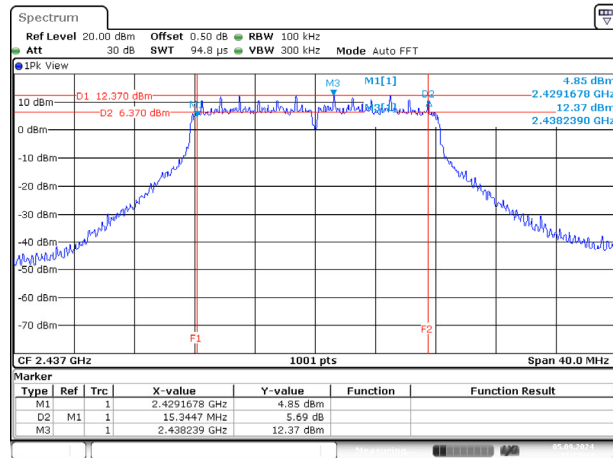
Modulation	Chain	Frequency (MHz)	Measured Value (kHz)	Limit (kHz)	Result
802.11b	A	2412	7113	>500	Pass
		2437	7552	>500	Pass
		2462	7073	>500	Pass
	B	2412	7073	>500	Pass
		2437	7513	>500	Pass
		2462	7313	>500	Pass
802.11g	A	2412	15624	>500	Pass
		2437	15744	>500	Pass
		2462	15744	>500	Pass
	B	2412	15465	>500	Pass
		2437	15345	>500	Pass
		2462	15664	>500	Pass
802.11ax (20 MHz)	A	2412	18342	>500	Pass
		2437	18502	>500	Pass
		2462	18901	>500	Pass
	B	2412	17742	>500	Pass
		2437	18182	>500	Pass
		2462	18542	>500	Pass
802.11ax (40 MHz)	A	2422	37722	>500	Pass
		2437	37802	>500	Pass
		2452	37642	>500	Pass
	B	2422	37882	>500	Pass
		2437	37323	>500	Pass
		2452	37802	>500	Pass

802.11b / 2412 MHz / Chain B



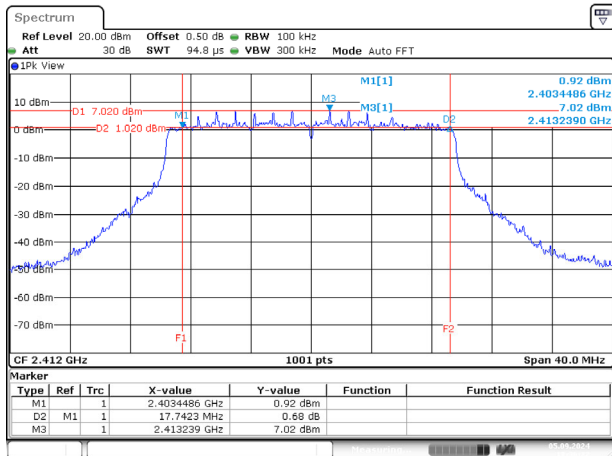
Date: 5.SEP.2024 17:55:32

802.11g / 2437 MHz / Chain B



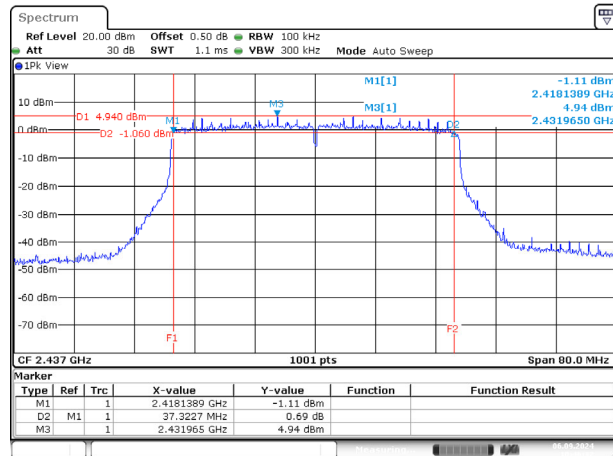
Date: 5.SEP.2024 18:23:25

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



Date: 5.SEP.2024 18:36:22

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



Date: 6.SEP.2024 10:46:33

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	17.41	17.05	20.24	23.66	Pass
	2437	19.95	19.66	22.82	23.66	Pass
	2462	18.02	17.77	20.91	23.66	Pass
802.11g	2412	14.87	14.43	17.67	23.66	Pass
	2437	20.70	20.12	23.43	23.66	Pass
	2462	15.92	15.72	18.83	23.66	Pass
802.11ax (20 MHz)	2412	13.89	13.29	16.61	23.66	Pass
	2437	20.75	20.16	23.48	23.66	Pass
	2462	13.98	13.66	16.83	23.66	Pass
802.11ax (40 MHz)	2422	10.21	9.88	13.06	23.66	Pass
	2437	15.94	15.39	18.68	23.66	Pass
	2452	12.77	12.50	15.65	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	10.88	10.28	13.60	20.65	Pass
	2437	17.74	17.15	20.47	20.65	Pass
	2462	10.97	10.65	13.82	20.65	Pass
802.11ax (40 MHz)	2422	7.20	6.87	10.05	20.65	Pass
	2437	12.93	12.38	15.67	20.65	Pass
	2452	9.76	9.49	12.64	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	22.38	22.56	25.48	28.60	Pass
	2437	24.49	24.86	27.69	28.60	Pass
	2462	22.76	22.88	25.83	28.60	Pass
802.11g	2412	19.51	19.57	22.55	28.60	Pass
	2437	24.46	24.76	27.62	28.60	Pass
	2462	18.33	18.46	21.41	28.60	Pass
802.11ax (20 MHz)	2412	18.57	18.54	21.57	28.60	Pass
	2437	24.03	24.23	27.14	28.60	Pass
	2462	15.89	15.99	18.95	28.60	Pass
802.11ax (40 MHz)	2422	14.82	15.08	17.96	28.60	Pass
	2437	18.94	19.11	22.04	28.60	Pass
	2452	15.60	15.73	18.68	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	15.56	15.53	18.56	25.59	Pass
	2437	21.02	21.22	24.13	25.59	Pass
	2462	12.88	12.98	15.94	25.59	Pass
802.11ax (40 MHz)	2422	11.81	12.07	14.95	25.59	Pass
	2437	15.93	16.10	19.03	25.59	Pass
	2452	12.59	12.72	15.67	25.59	Pass

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

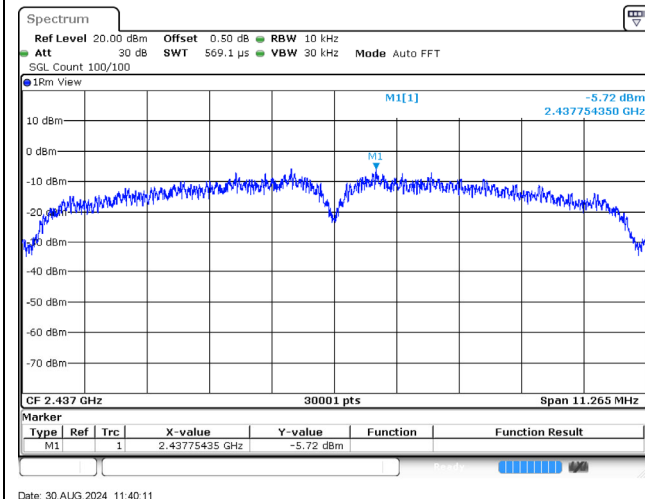
Appendix D. Test Result of Power Spectral Density

Antenna Type: Panel

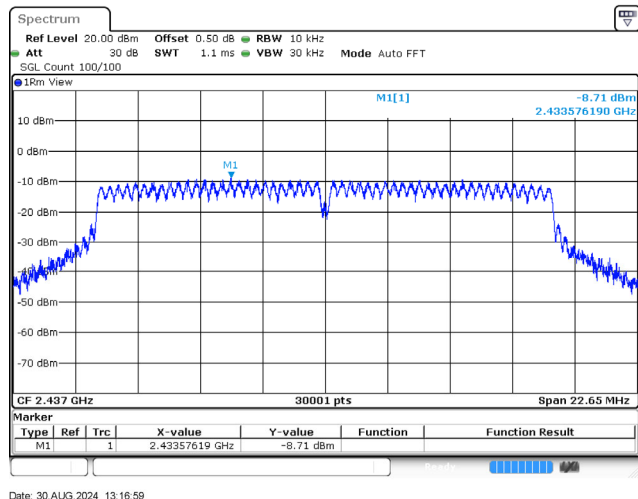
Modulation	Frequency (MHz)	Chain	Measured Value (dBm/10kHz)	Duty Factor (dB)	Total PSD (dBm/10kHz)	Limit (dBm/3kHz)	Result
802.11b	2412	A	-8.420	1.465	-4.092	-1.35	Pass
		B	-8.720				
	2437	A	-6.230	1.465	-1.492	-1.35	Pass
		B	-5.720				
	2462	A	-8.360	1.465	-3.920	-1.35	Pass
		B	-8.430				
802.11g	2412	A	-15.740	0.313	-12.164	-1.35	Pass
		B	-15.250				
	2437	A	-8.710	0.313	-5.610	-1.35	Pass
		B	-9.170				
	2462	A	-14.150	0.313	-10.988	-1.35	Pass
		B	-14.480				
802.11ax (20 MHz)	2412	A	-18.410	0.112	-15.232	-1.35	Pass
		B	-18.300				
	2437	A	-11.280	0.112	-8.310	-1.35	Pass
		B	-11.590				
	2462	A	-18.140	0.112	-15.136	-1.35	Pass
		B	-18.380				
802.11ax (40 MHz)	2422	A	-24.830	0.096	-21.828	-1.35	Pass
		B	-25.040				
	2437	A	-19.060	0.096	-16.028	-1.35	Pass
		B	-19.210				
	2452	A	-22.350	0.096	-19.254	-1.35	Pass
		B	-22.370				

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

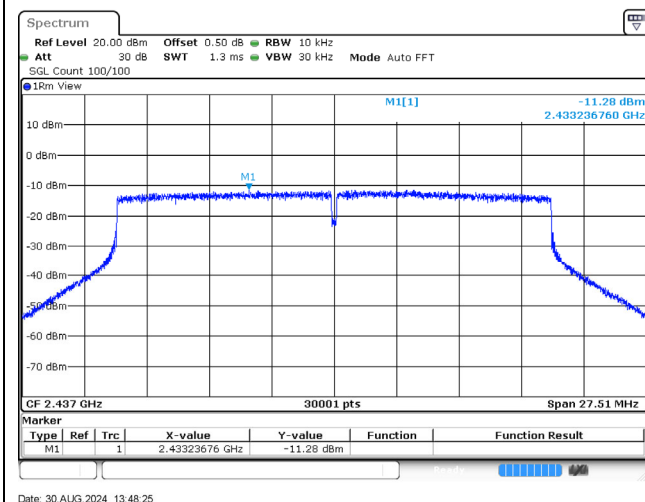
802.11b / 2437 MHz / Chain B



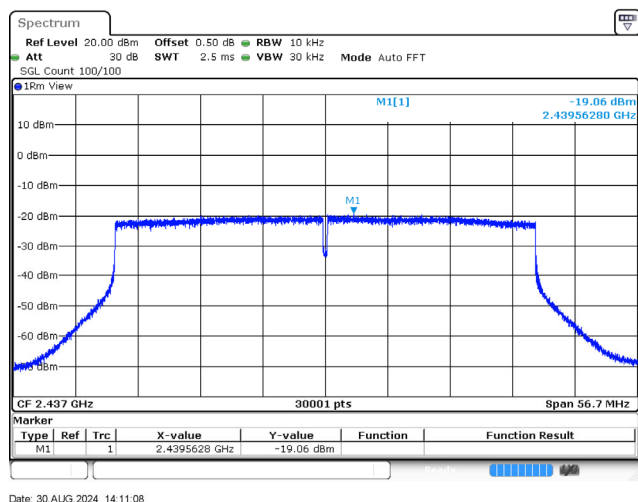
802.11g / 2437 MHz / Chain A



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



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

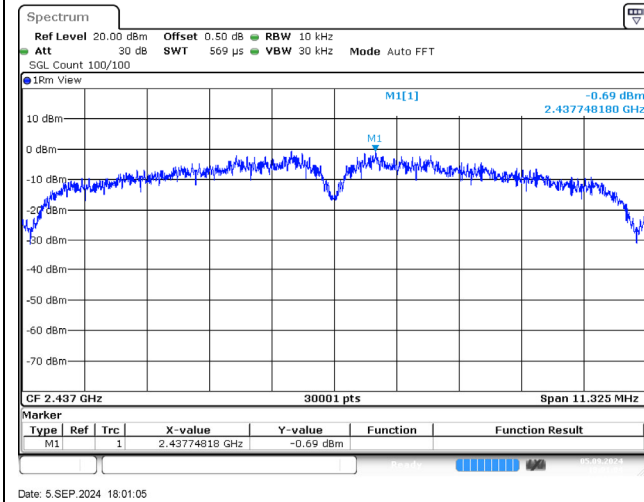


Antenna Type: Dipole

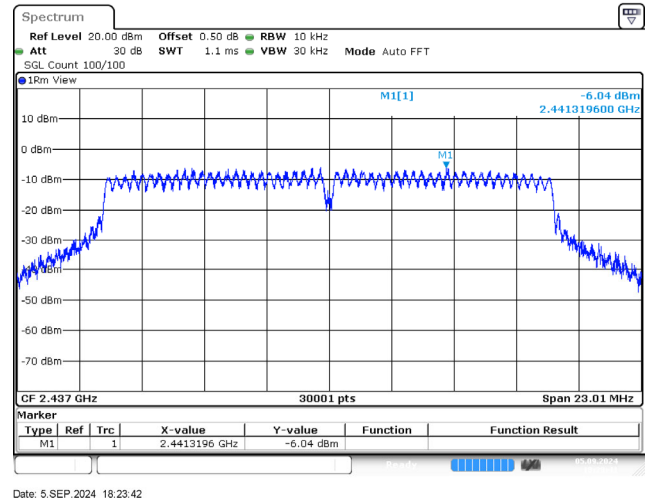
Modulation	Frequency (MHz)	Chain	Measured Value (dBm/10kHz)	Duty Factor (dB)	Total PSD (dBm/10kHz)	Limit (dBm/3kHz)	Result
802.11b	2412	A	-3.670	1.465	0.901	3.59	Pass
		B	-3.480				
	2437	A	-0.690	1.465	3.341	3.59	Pass
		B	-1.630				
	2462	A	-3.250	1.465	1.311	3.59	Pass
		B	-3.080				
802.11g	2412	A	-10.450	0.313	-7.161	3.59	Pass
		B	-10.520				
	2437	A	-6.450	0.313	-2.916	3.59	Pass
		B	-6.040				
	2462	A	-11.710	0.313	-8.524	3.59	Pass
		B	-11.990				
802.11ax (20 MHz)	2412	A	-13.280	0.112	-10.232	3.59	Pass
		B	-13.430				
	2437	A	-9.920	0.112	-6.503	3.59	Pass
		B	-9.350				
	2462	A	-16.140	0.112	-12.891	3.59	Pass
		B	-15.890				
802.11ax (40 MHz)	2422	A	-18.890	0.096	-15.946	3.59	Pass
		B	-19.220				
	2437	A	-15.180	0.096	-11.937	3.59	Pass
		B	-14.910				
	2452	A	-18.780	0.096	-15.699	3.59	Pass
		B	-18.830				

Note: Total PSD = $10 \cdot \log(\text{Chain A (mW)} + \text{Chain B (mW)}) + \text{Duty Factor}$.

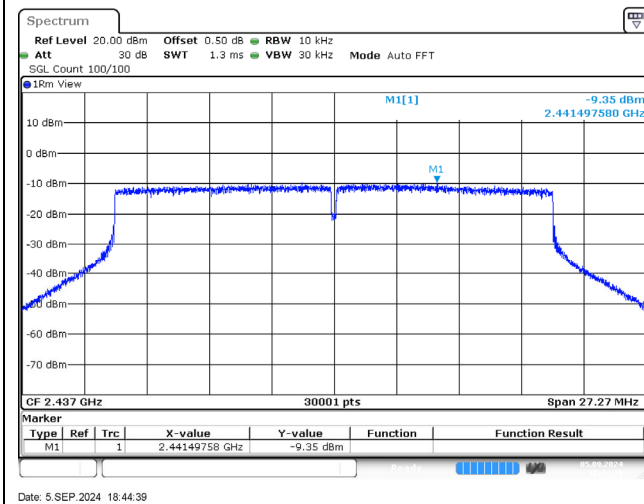
802.11b / 2437 MHz / Chain A



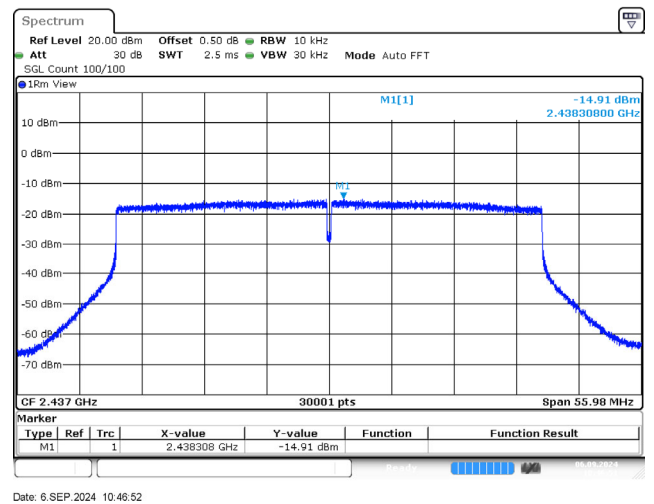
802.11g / 2437 MHz / Chain B



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

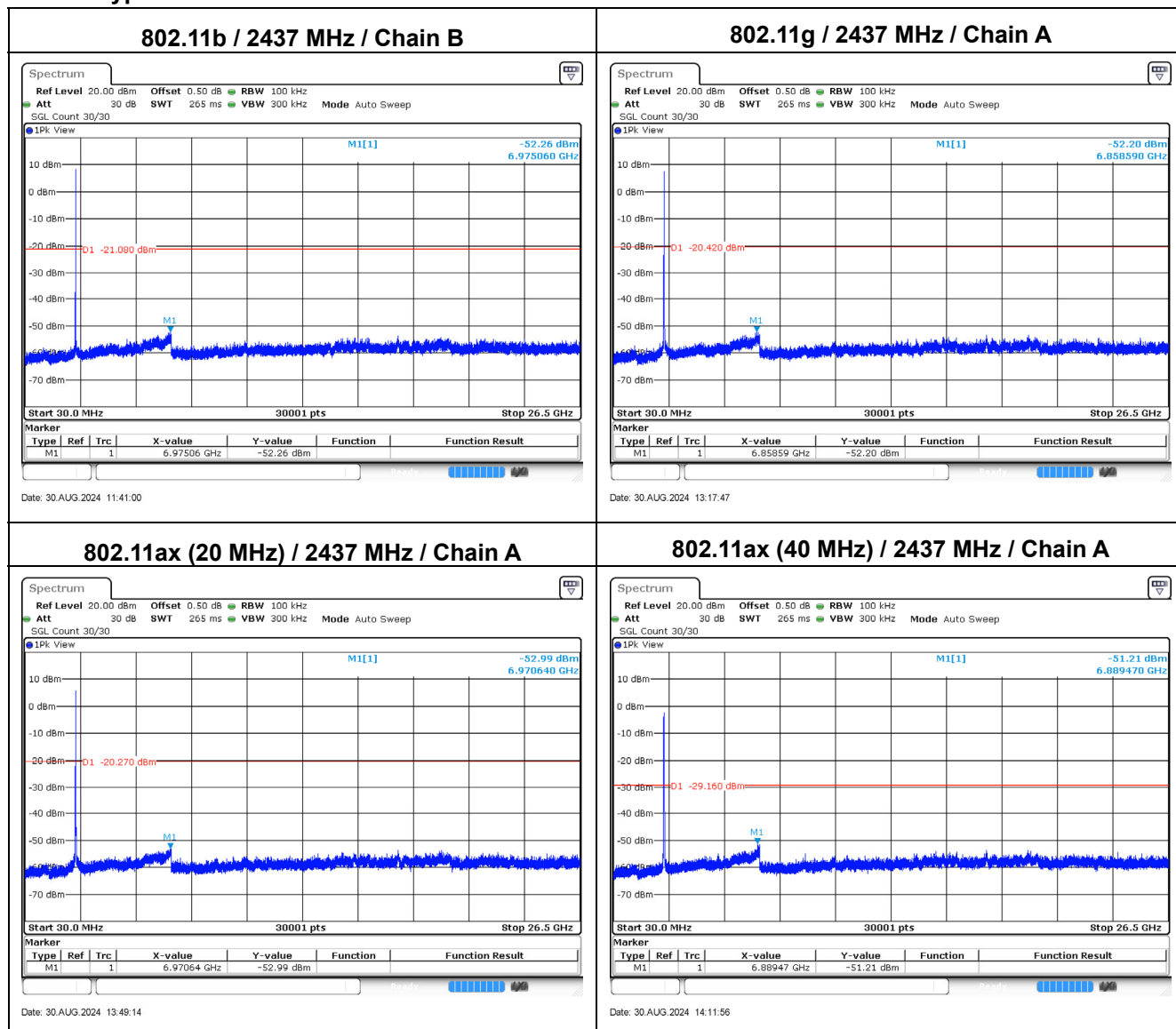


802.11ax (40 MHz) / 2437 MHz / Chain B

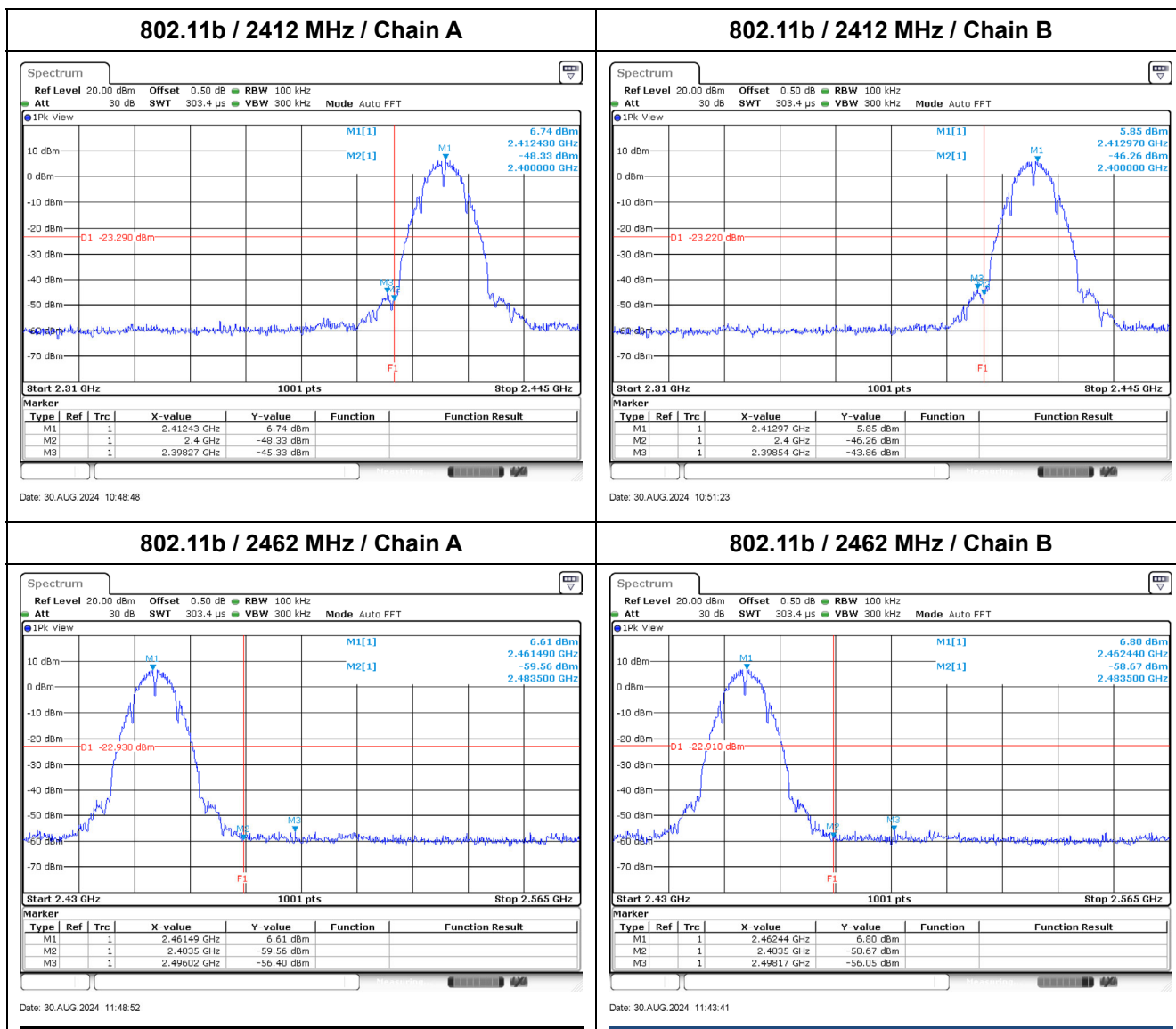


Appendix E. Test Result of Antenna Port Conducted Emission

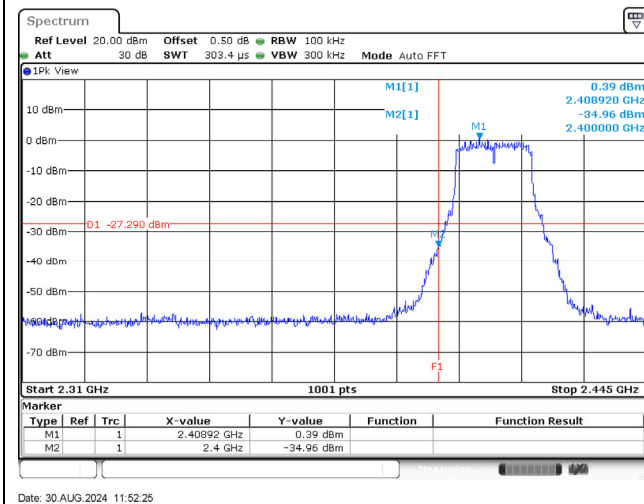
Antenna Type: Panel



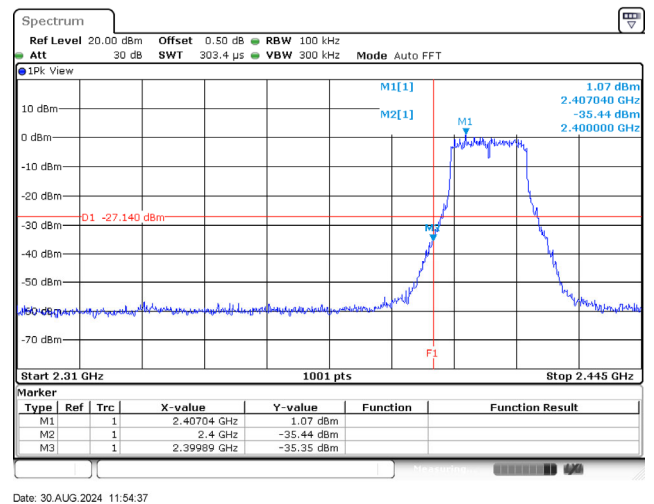
Modulation	Measurement Level Δ (dB)	Result
802.11b	> 30	PASS
802.11g	> 30	PASS
802.11ax (20MHz)	> 30	PASS
802.11ax (40MHz)	> 30	PASS



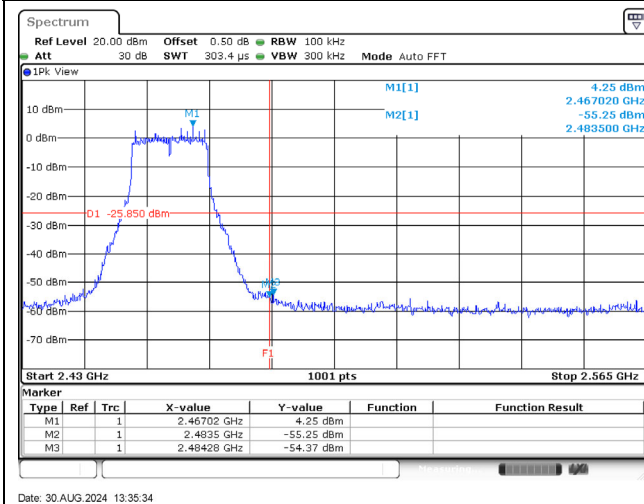
802.11g / 2412 MHz / Chain A



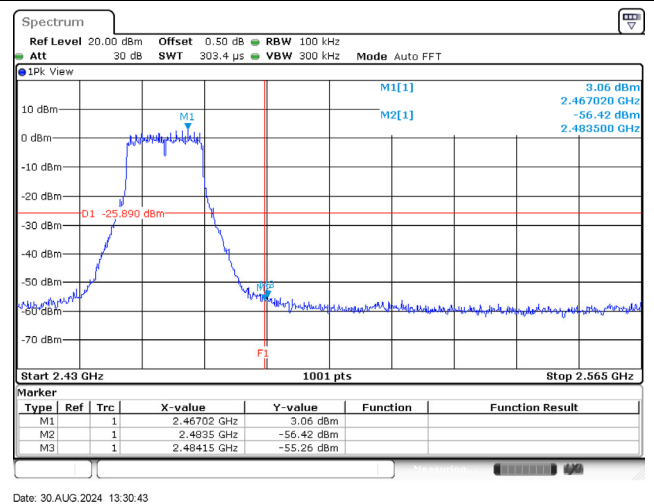
802.11g / 2412 MHz / Chain B



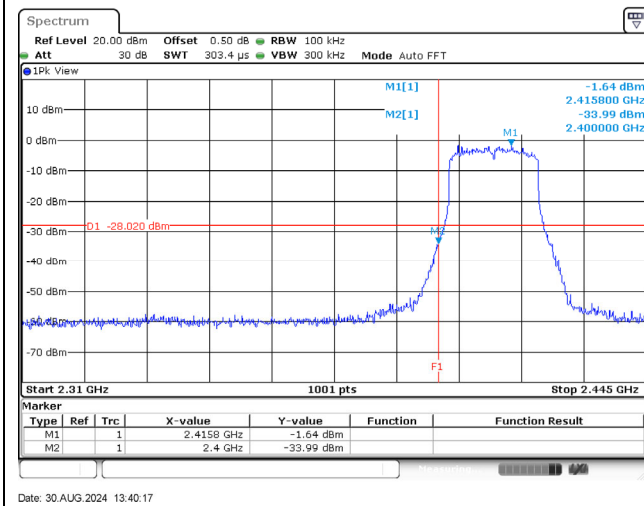
802.11g / 2462 MHz / Chain A



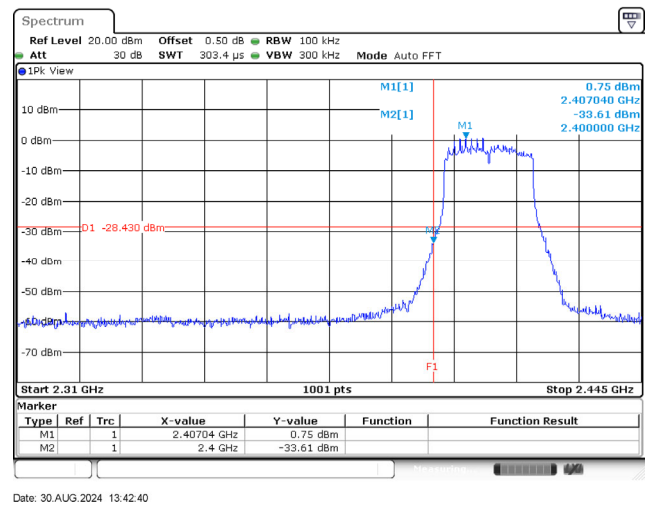
802.11g / 2462 MHz / Chain B



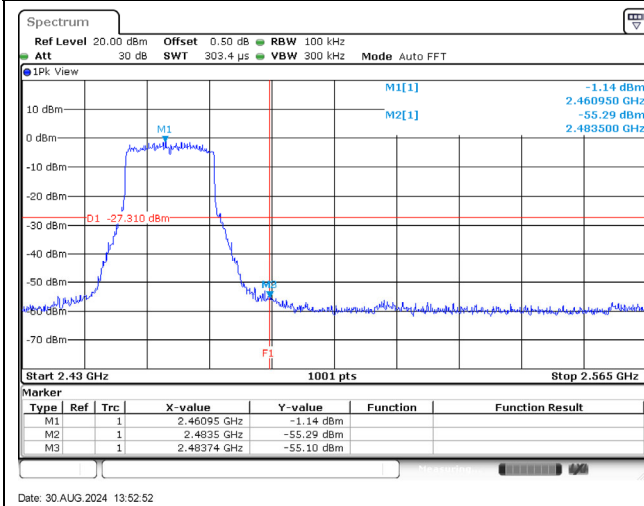
802.11ax (20 MHz) / 2412 MHz / Chain A



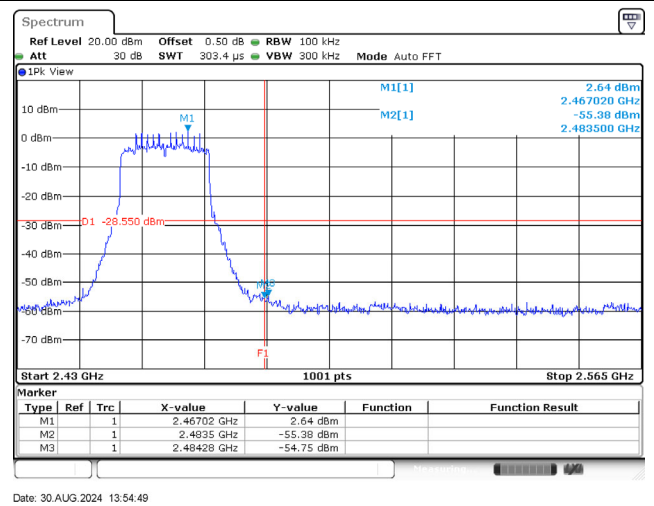
802.11ax (20 MHz) / 2412 MHz / Chain B

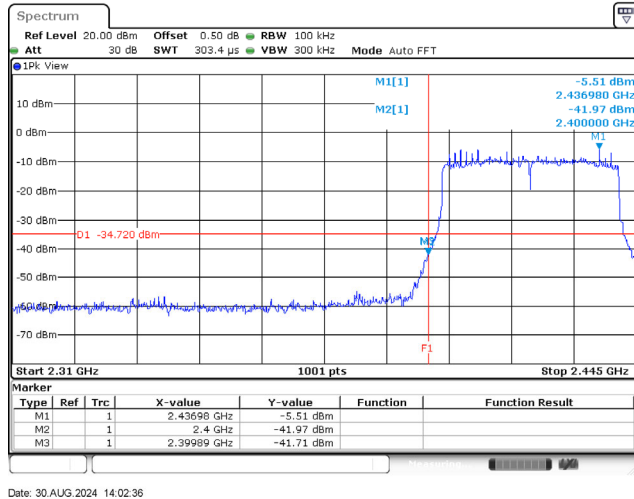
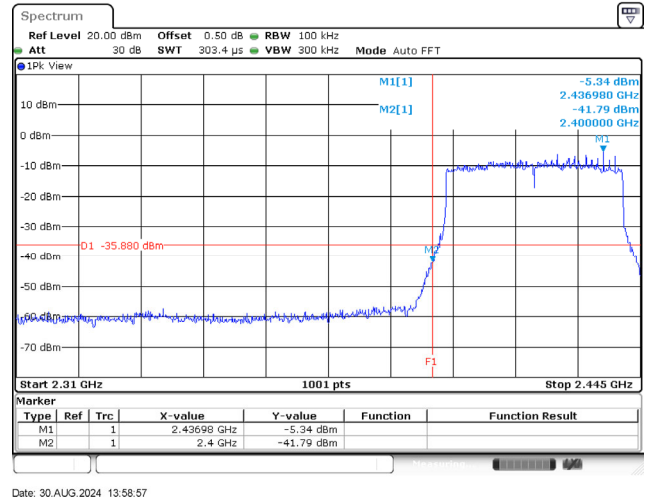
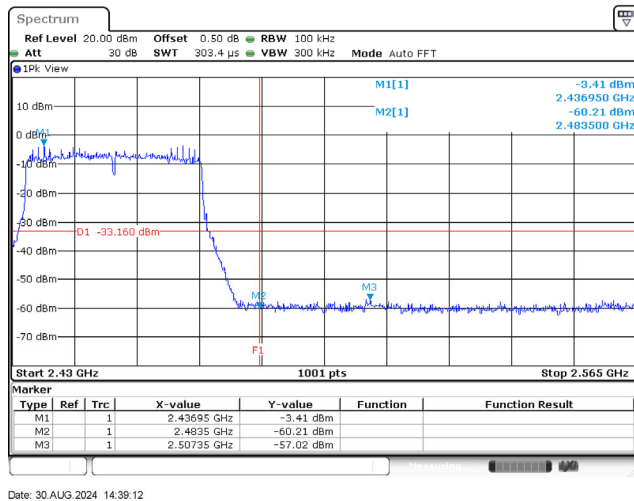
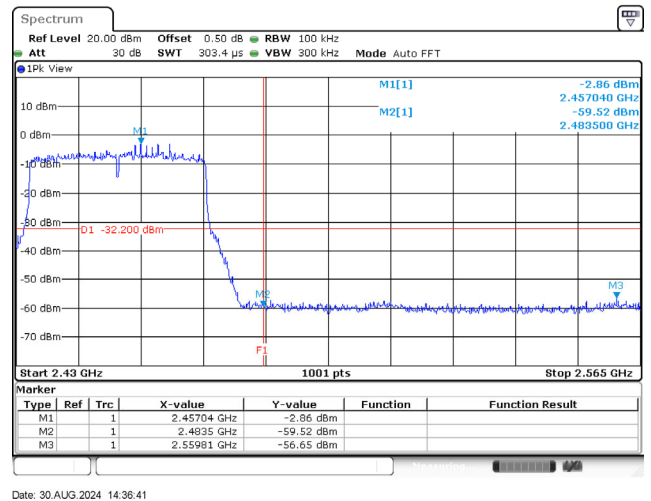


802.11ax (20 MHz) / 2462 MHz / Chain A



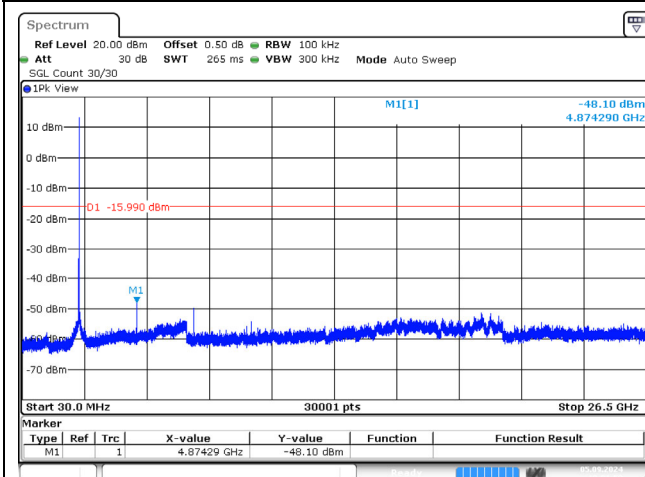
802.11ax (20 MHz) / 2462 MHz / Chain B



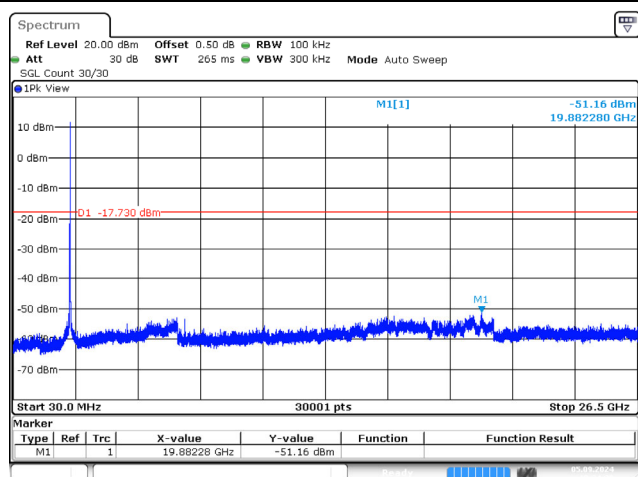
802.11ax (40 MHz) / 2422 MHz / Chain A**802.11ax (40 MHz) / 2422 MHz / Chain B****802.11ax (40 MHz) / 2452 MHz / Chain A****802.11ax (40 MHz) / 2452 MHz / Chain B**

Antenna Type: Dipole

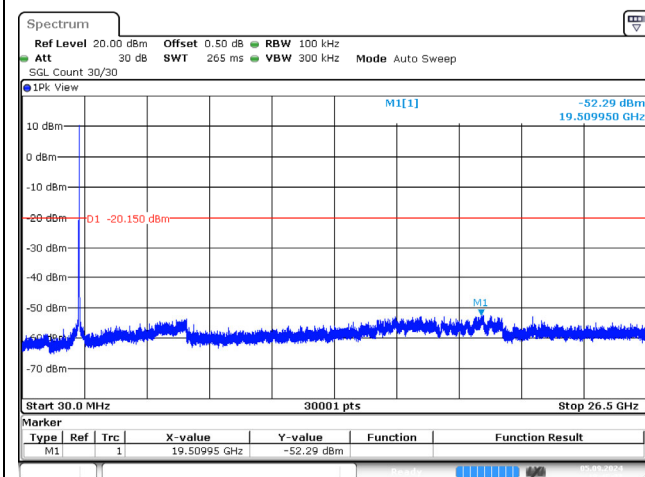
802.11b / 2437 MHz / Chain A



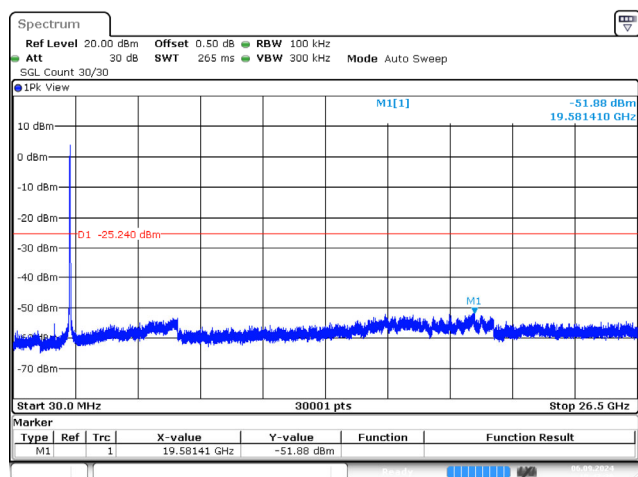
802.11g / 2437 MHz / Chain B



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



802.11ax (40 MHz) / 2437 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

