

A.6 POWER SPECTRAL DENSITY

Test Date	2024/10/23 ~ 11/07	Temp./Hum.	23 ~ 24°C/57 ~ 60%
Cable Loss	0.5dB	Tested By	Kuper Hsu
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.6.1 Power Spectral Density Result

Mode	Center Frequency (MHz)	Power Spectral Density (dBm)		MAX. Power Spectral Density (dBm) ^{Note 2}	Limit
		AUX	Main		
802.11b	2412	-5.530	-5.160	-5.160	<8 dBm/3kHz
	2442	-4.170	-5.090	-4.170	
	2462	-4.090	-4.990	-4.090	
	2472	-5.010	-5.310	-5.010	
802.11g	2412	-5.610	-5.310	-5.310	
	2442	-4.670	-5.200	-4.670	
	2462	-4.380	-5.720	-4.380	
	2472	-9.920	-10.930	-9.920	

Note: 1. All results have been included cable loss.

2. MAX. Power Spectral Density (dBm) = Max of each Power Spectral Density (dBm).

3. We only presented max result (worst case) plots for each test mode.

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Mode	Center Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) ^{Note 2}	Limit
		AUX	Main		
802.11n-HT20	2412	-7.100	-7.680	-4.370	<8 dBm/3kHz
	2442	-5.050	-5.460	-2.240	
	2462	-7.300	-7.960	-4.607	
	2472	-10.650	-12.110	-8.309	
802.11n-HT40	2422	-12.070	-11.740	-8.892	
	2442	-9.990	-10.430	-7.194	
	2452	-11.370	-11.370	-8.360	
	2462	-14.420	-14.080	-11.236	
802.11ax-HE20	2412	-8.220	-7.820	-5.005	
	2442	-6.290	-4.900	-2.529	
	2462	-8.160	-8.600	-5.364	
	2472	-12.120	-13.250	-9.638	
802.11ax-HE40	2422	-12.880	-13.400	-10.122	
	2442	-10.770	-12.020	-8.340	
	2452	-12.550	-12.820	-9.673	
	2462	-14.600	-14.600	-11.590	
802.11be-EHT20	2412	-8.370	-8.200	-5.274	
	2442	-5.260	-6.510	-2.830	
	2462	-8.210	-8.650	-5.414	
	2472	-12.200	-12.740	-9.451	
802.11be-EHT40	2422	-12.700	-13.380	-10.016	
	2442	-10.570	-11.660	-8.071	
	2452	-12.680	-13.200	-9.922	
	2462	-14.660	-15.430	-12.018	

Note: 1. All results have been included cable loss.

2. According to KDB 662911 D01 E)2a), Total Power Spectral Density (dBm) = Sum to individual Power Spectral Density (dBm).

3. We only presented max result (worst case) plots for each test mode.

Mode	RU Configuration	Center Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) Note 2	Limit
			AUX	Main		
802.11ax-HE20	26/0	2412	2.140	1.280	4.742	<8 dBm/3kHz
	52/37		-1.580	-1.320	1.562	
	106/53		-3.650	-3.730	-0.680	
	26/8	2472	-12.540	-13.290	-9.889	
	52/40		-16.150	-16.720	-13.415	
	106/54		-12.490	-13.970	-10.157	
802.11ax-HE40	242/61	2422	-6.620	-7.520	-4.036	
	242/62	2462	-12.320	-13.280	-9.763	
802.11be-EHT20	26/0	2412	2.700	1.950	5.351	
	52/37		-0.190	-0.390	2.721	
	106/53		-3.430	-3.310	-0.359	
	26/8	2472	-12.080	-13.520	-9.730	
	52/40		-16.240	-16.260	-13.240	
	106/54		-12.990	-13.960	-10.438	
802.11be-EHT40	242/61	2422	-6.590	-7.170	-3.860	
	242/62	2462	-11.680	-13.500	-9.485	

Note: 1. All results have been included cable loss.

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm) = Sum to individual Power Spectral Density (dBm).

3. We only presented max result (worst case) plots for each test mode.

Mode	Center Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE (2Mbps)	2402	-5.49	<8 dBm/3kHz
	2440	-5.28	
	2480	-5.25	

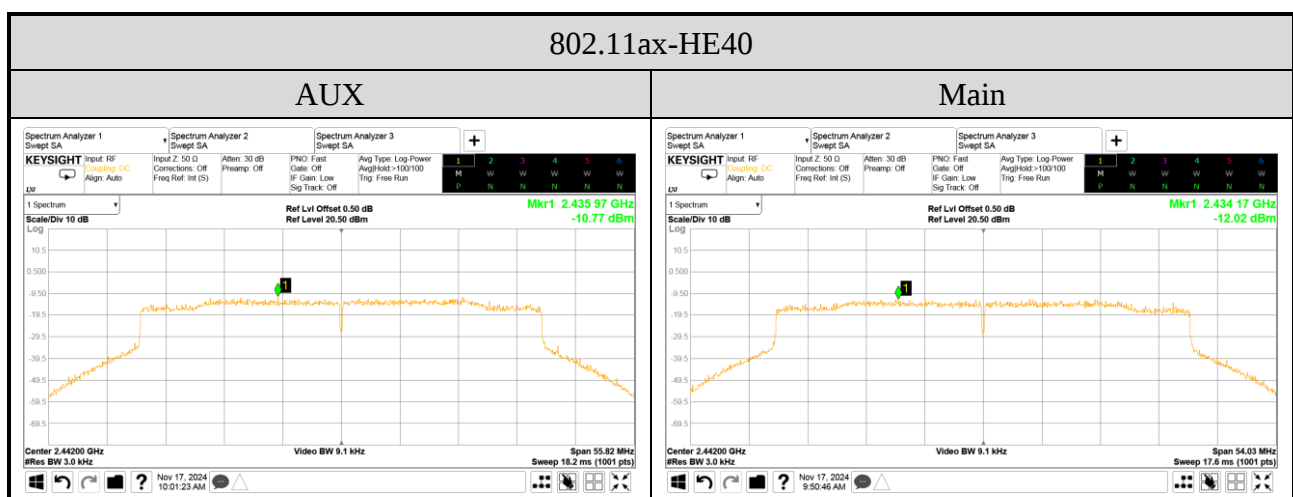
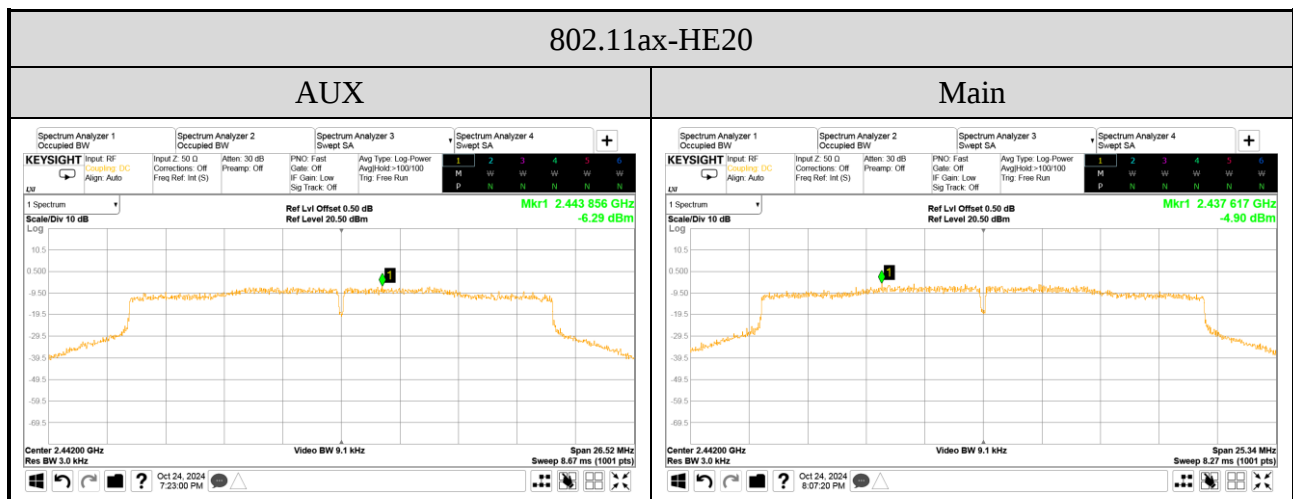
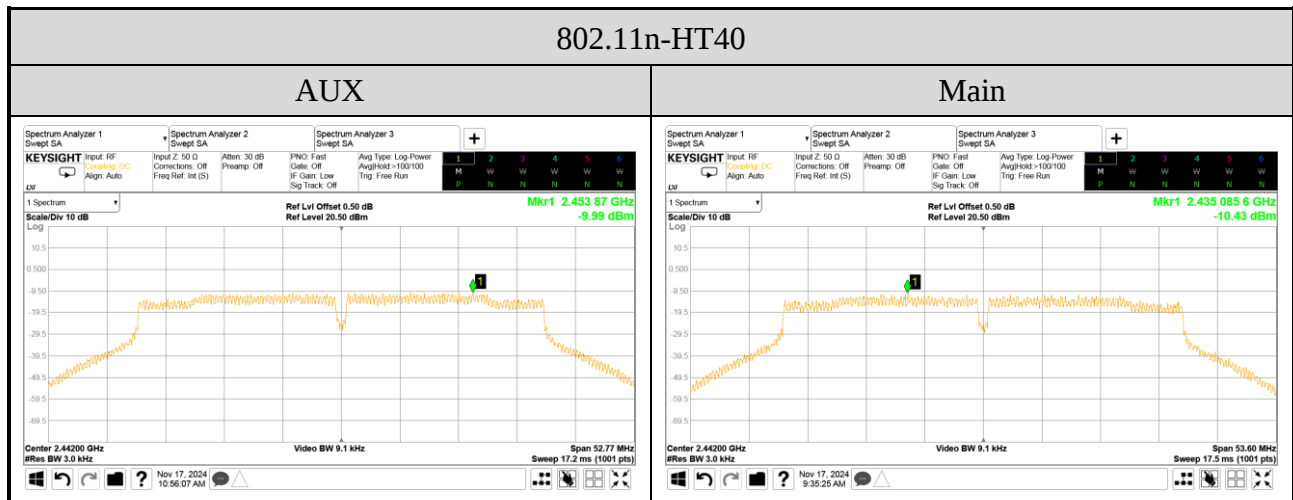
Note: 1. All results have been included cable loss.

2. We only presented max result (worst case) plots for this test mode.

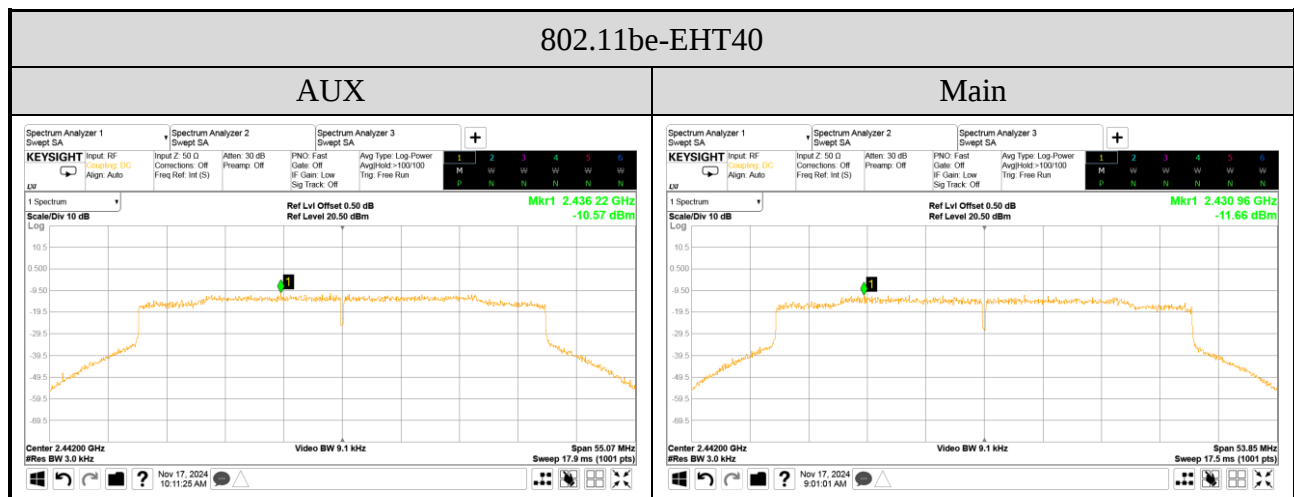
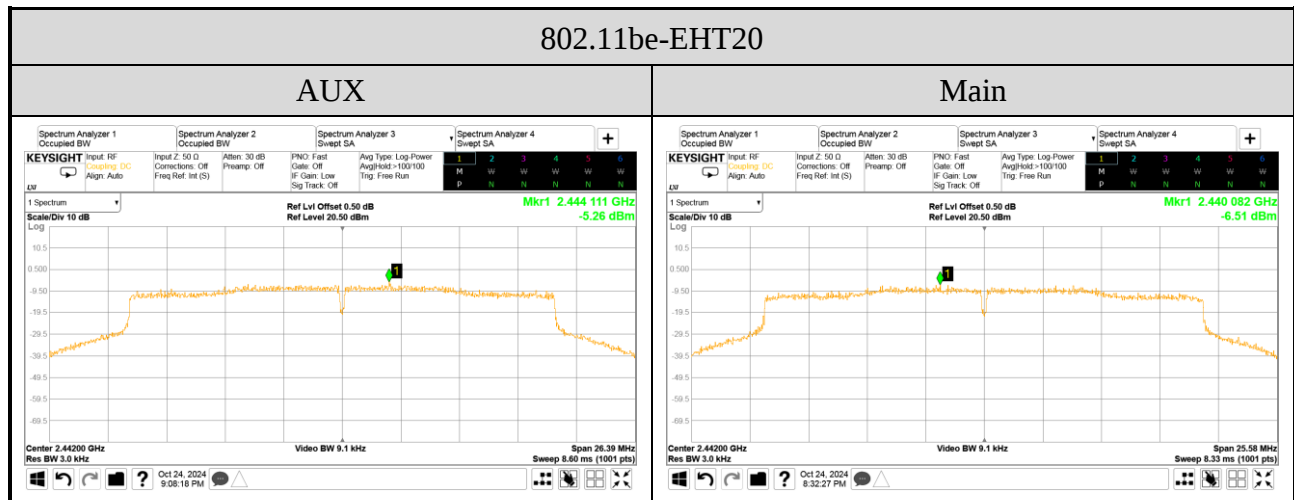
A.6.2 Measurement Plots



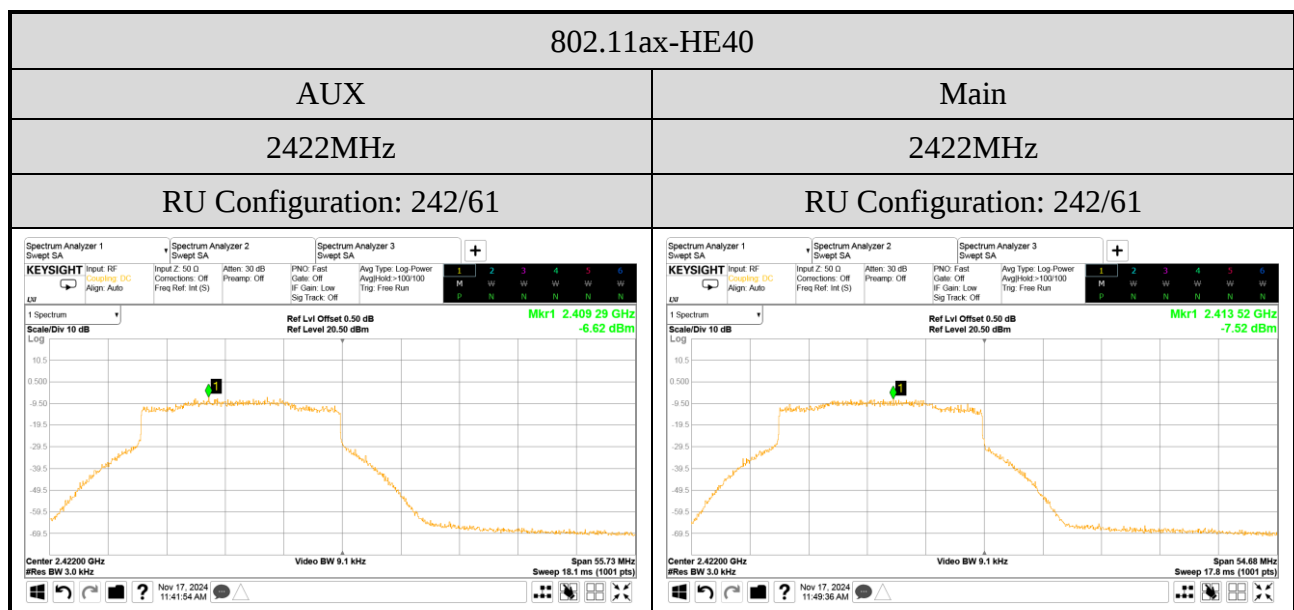
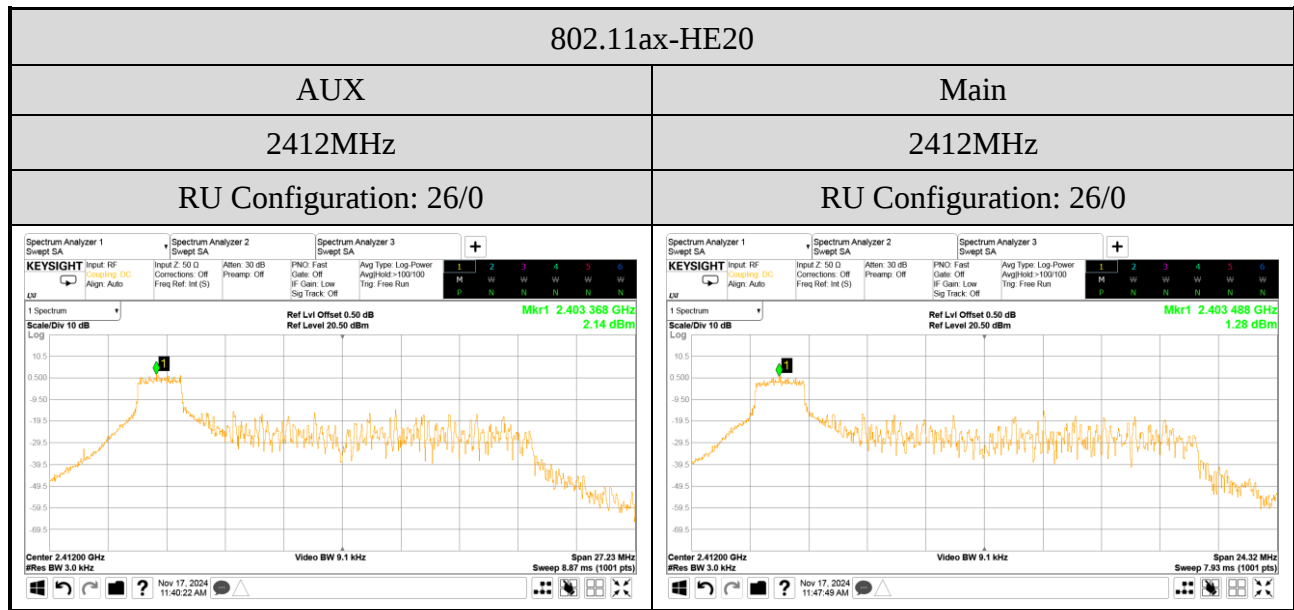
Note: All results have been included cable loss.



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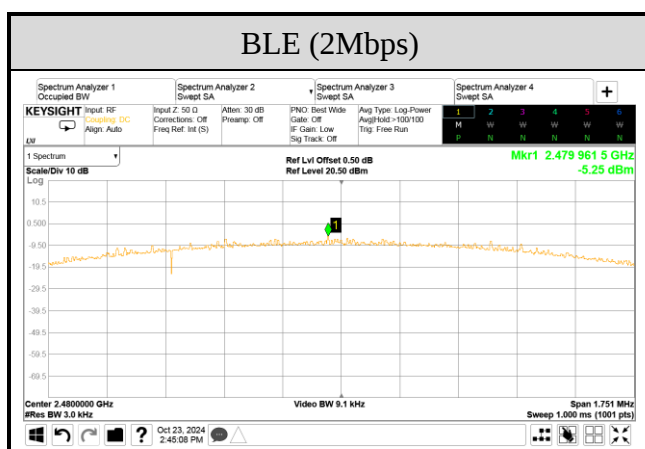
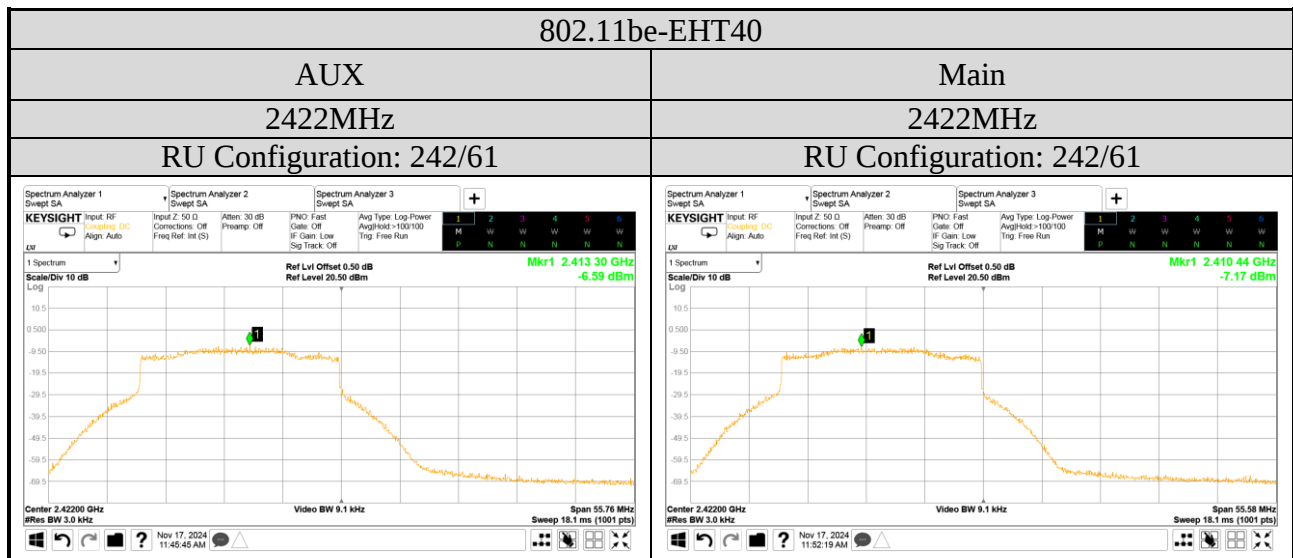
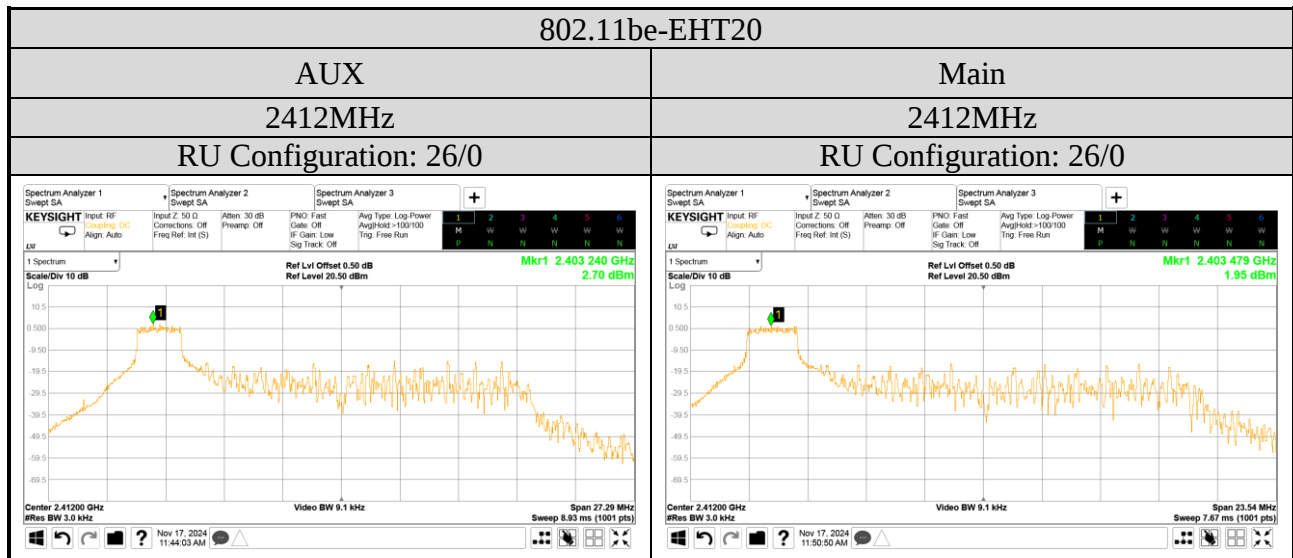
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