

A.6 POWER SPECTRAL DENSITY

Test Date	2024/06/28 ~ 08/10	Temp./Hum.	24 ~ 26°C/55 ~ 57%
Cable Loss	0.5dB	Tested By	Harry Huang
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.6.1 Power Spectral Density Result

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		MAX. Power Spectral Density (dBm) ^{Note 2}	Limit
		AUX	Main		
802.11b	2412	-5.64	-3.12	-3.120	<8 dBm/3kHz
	2442	-3.58	-3.18	-3.180	
	2462	-3.65	-3.27	-3.270	
	2472	-6.09	-4.60	-4.600	
802.11g	2412	-4.67	-4.35	-4.350	
	2442	-3.73	-5.00	-3.730	
	2472	-12.03	-10.30	-10.300	

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

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

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Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) ^{Note 2}	Limit
		AUX	Main		
802.11n-HT20	2412	-6.57	-6.44	-3.494	<8 dBm/3kHz
	2442	-5.95	-5.60	-2.761	
	2457	-3.92	-4.02	-0.959	
	2472	-13.19	-12.81	-9.986	
802.11n-HT40	2422	-9.51	-9.87	-6.676	
	2442	-8.84	-8.43	-5.620	
	2462	-14.53	-14.79	-11.648	
802.11ax-HE20	2412	-7.05	-7.59	-4.301	
	2442	-5.57	-5.79	-2.668	
	2472	-14.06	-13.33	-10.669	
802.11ax-HE40	2422	-10.09	-10.51	-7.285	
	2442	-10.49	-9.47	-6.940	
	2462	-16.19	-15.25	-12.684	
802.11be-EHT20	2412	-7.78	-7.28	-4.513	
	2442	-6.39	-6.39	-3.380	
	2472	-14.05	-14.19	-11.109	
802.11be-EHT40	2422	-9.83	-10.67	-7.219	
	2442	-9.21	-10.00	-6.577	
	2462	-15.94	-15.15	-12.517	

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).

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Mode	RU Configuration	Centre Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) Note 2	Limit
			AUX	Main		
802.11ax-HE20	26/0	2412	2.80	2.52	5.673	<8 dBm/3kHz
	52/37		-0.78	-0.04	2.616	
	106/53		-3.05	-2.39	0.303	
	26/8	2472	-14.48	-13.30	-10.840	
	52/40		-17.27	-16.72	-13.976	
	106/54		-15.28	-14.20	-11.696	
802.11ax-HE40	242/61	2422	-7.76	-5.83	-3.678	
	242/62	2462	-13.77	-13.69	-10.720	
802.11be-EHT20	26/0	2412	3.800	2.52	6.217	
	52/37		0.14	0.17	3.165	
	106/53		-3.26	-2.28	0.268	
	26/8	2472	-14.29	-13.93	-11.096	
	52/40		-17.43	-16.08	-13.692	
	106/54		-14.78	-13.52	-11.094	
802.11be-EHT40	242/61	2422	-8.22	-7.57	-4.873	
	242/62	2462	-14.07	-13.79	-10.917	

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).

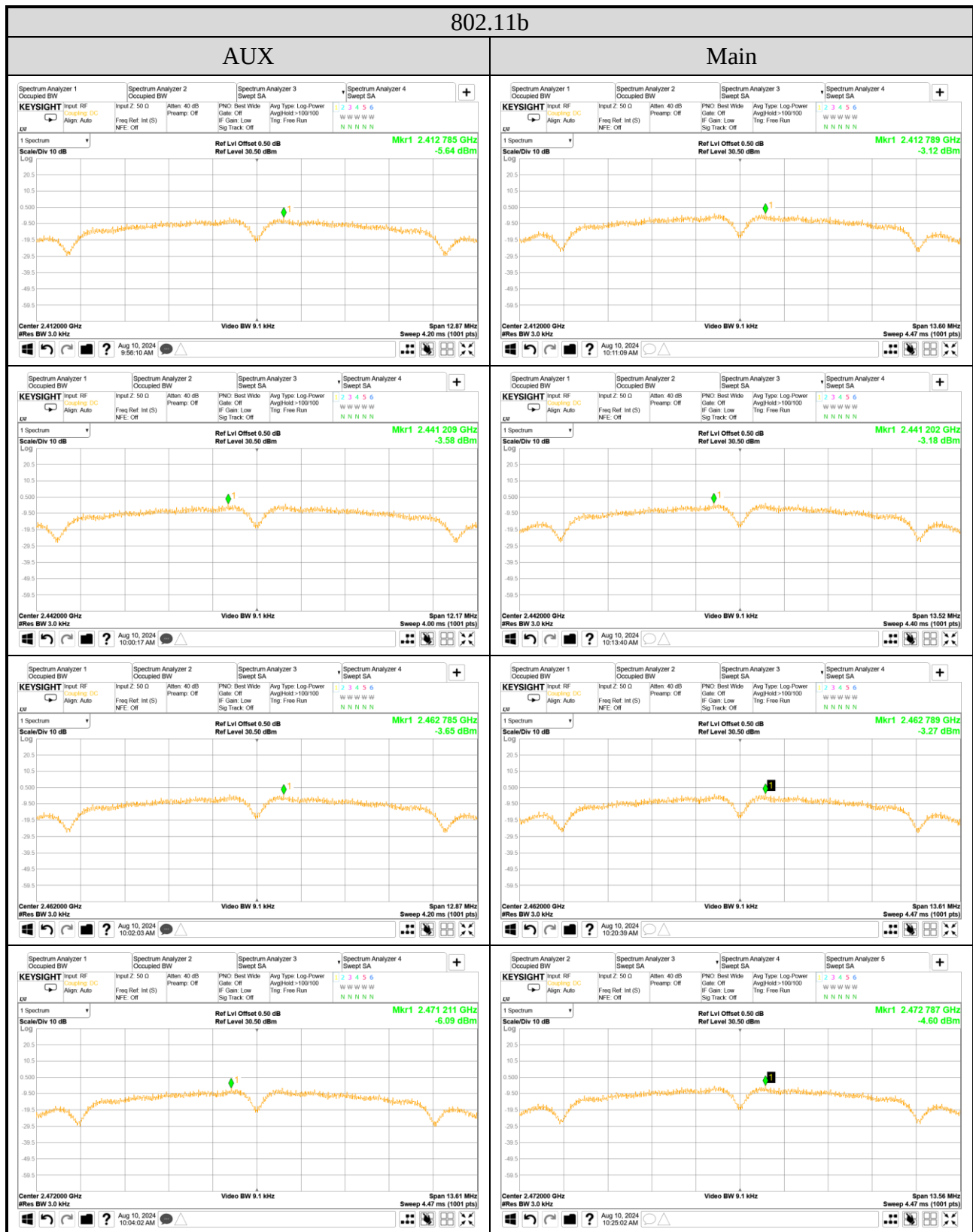
Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE (2Mbps)	2402	-13.38	<8 dBm/3kHz
	2440	-13.07	
	2480	-13.08	

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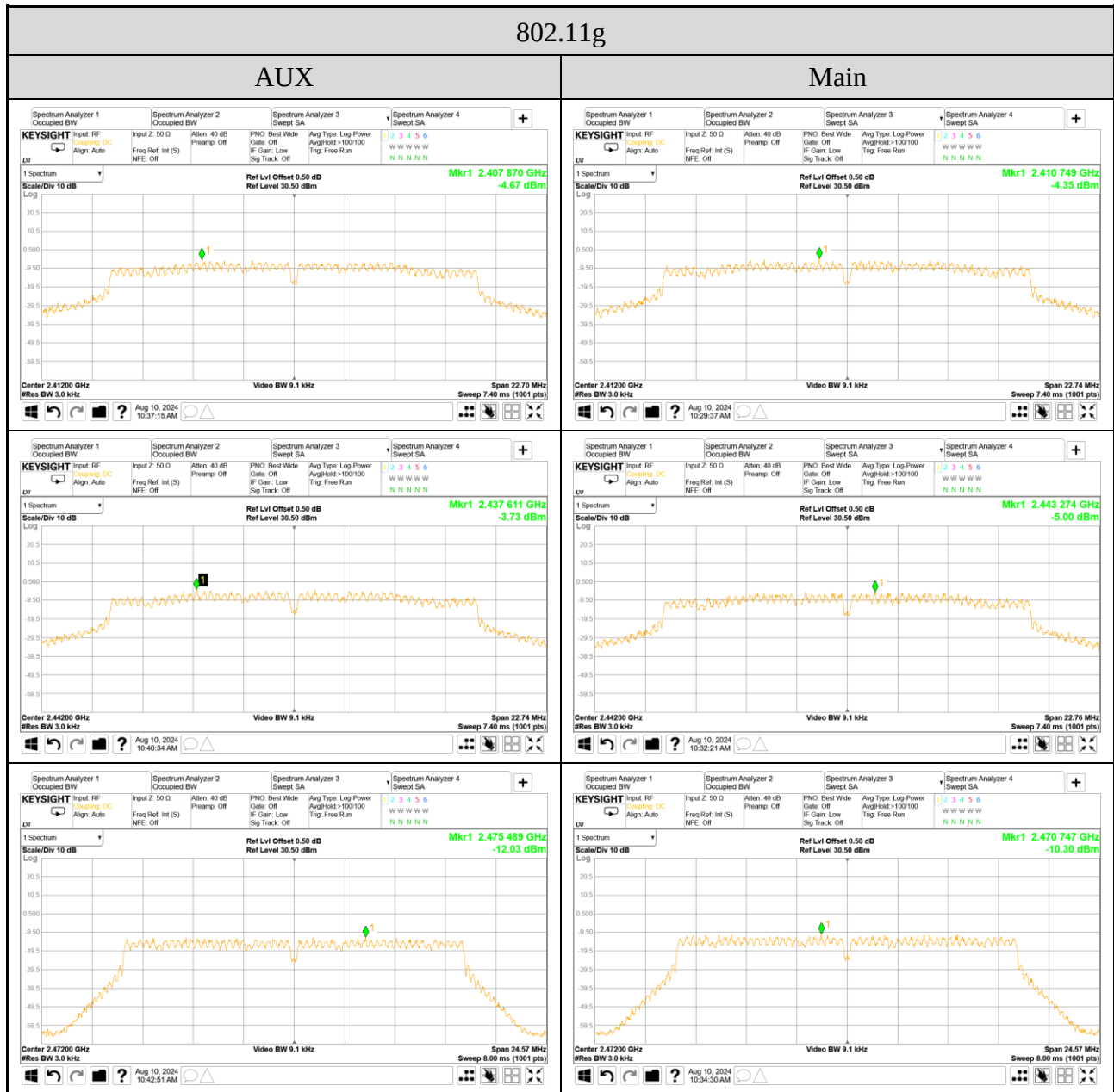
A.6.2 Measurement Plots



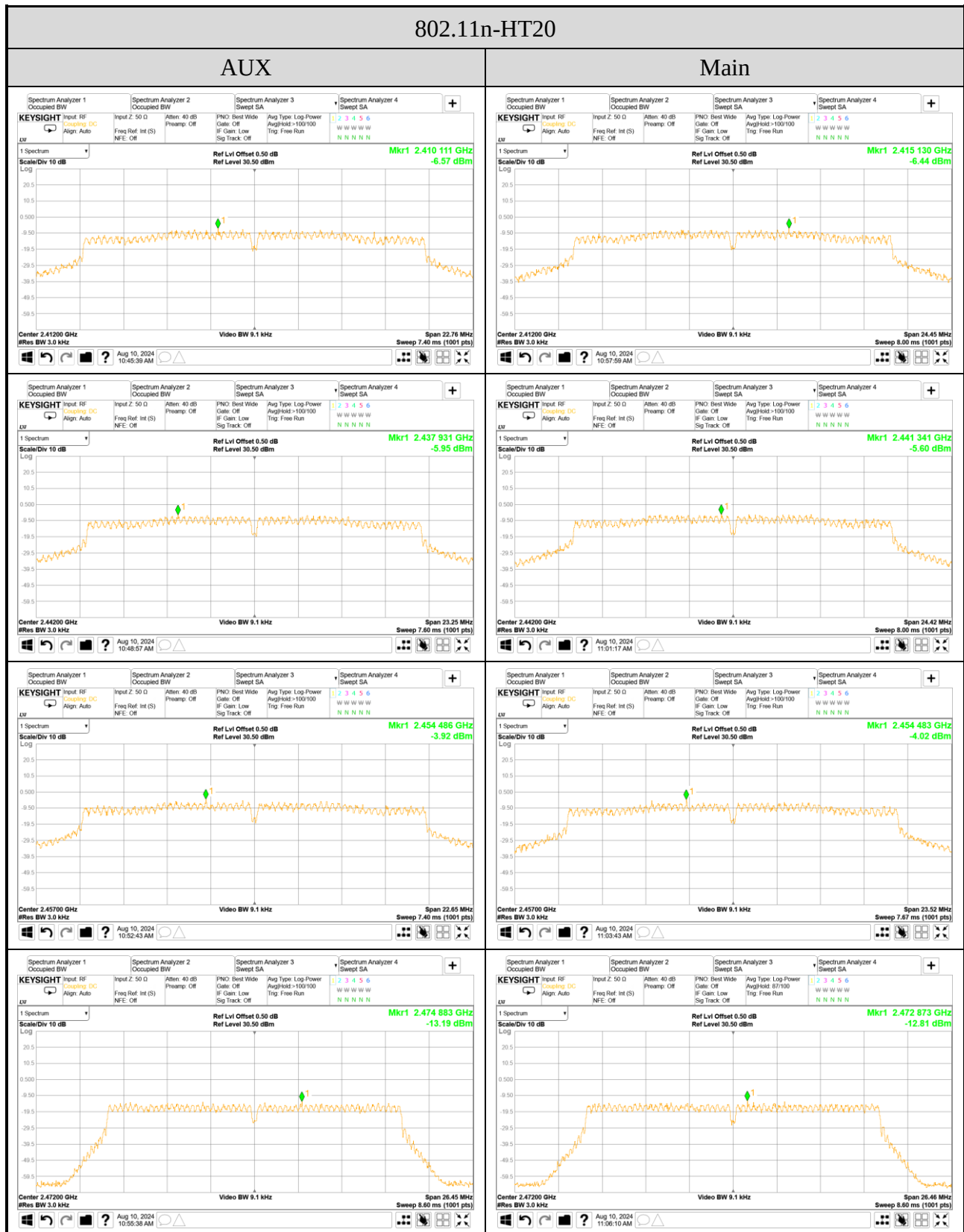
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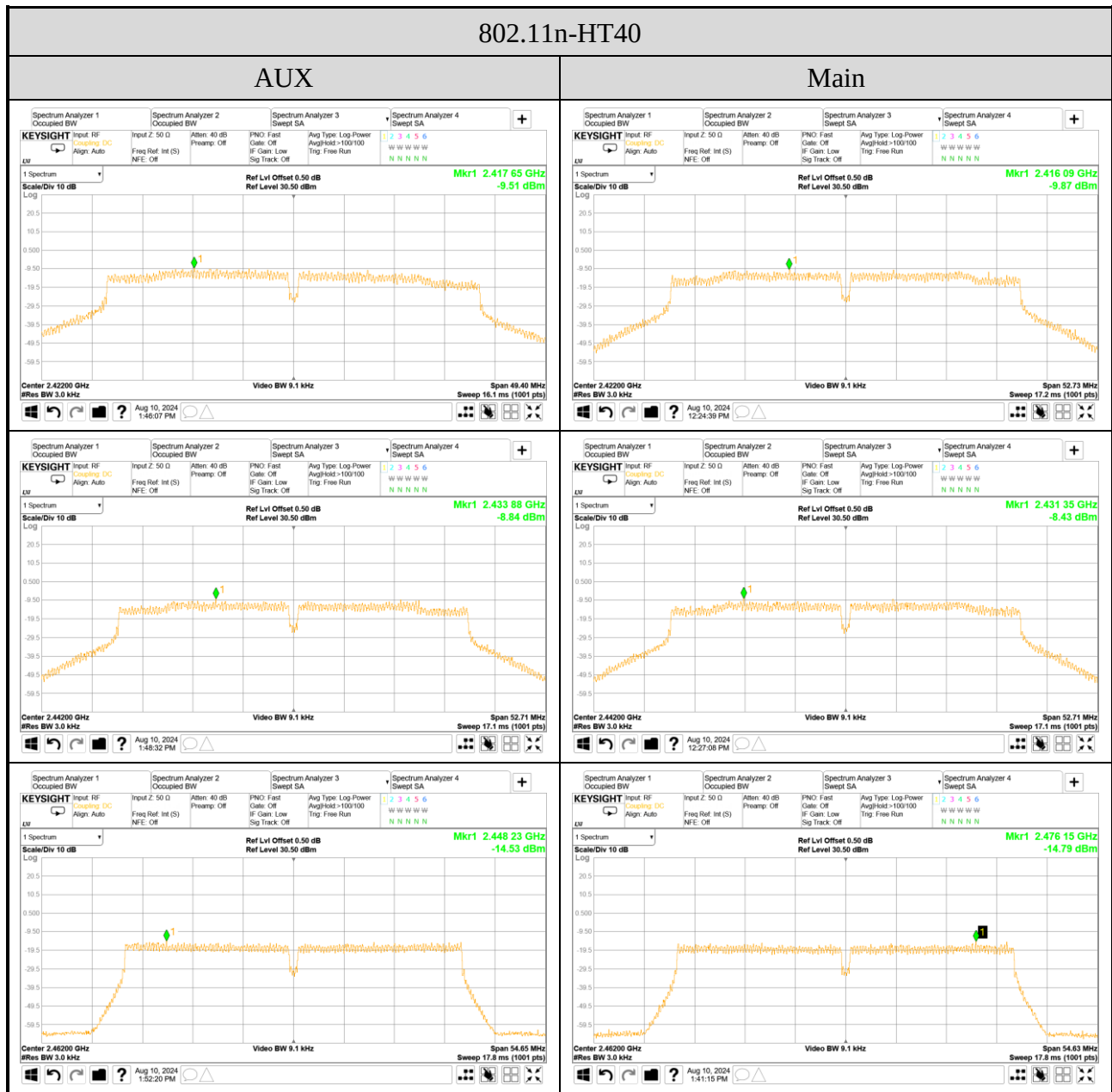
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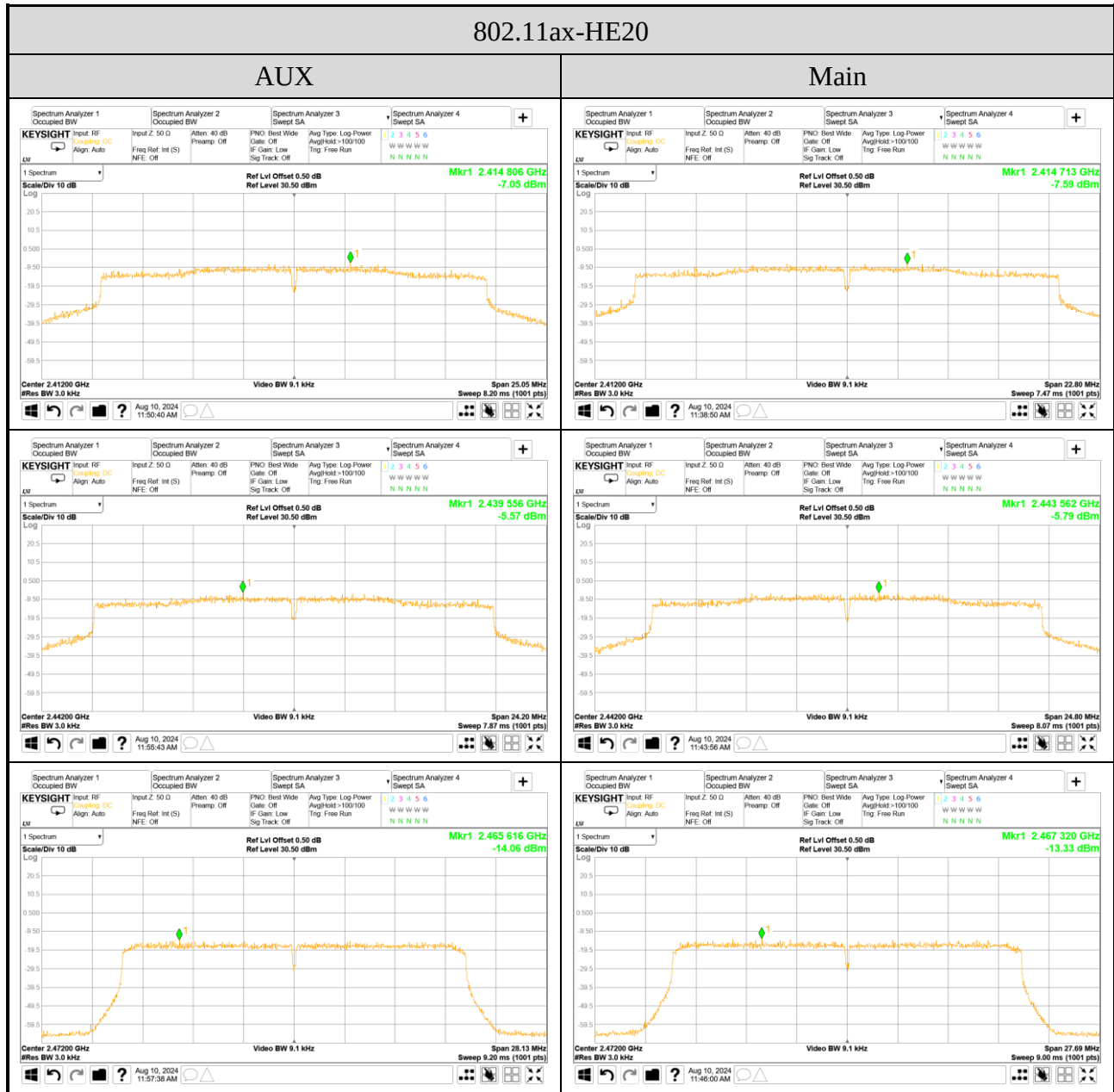
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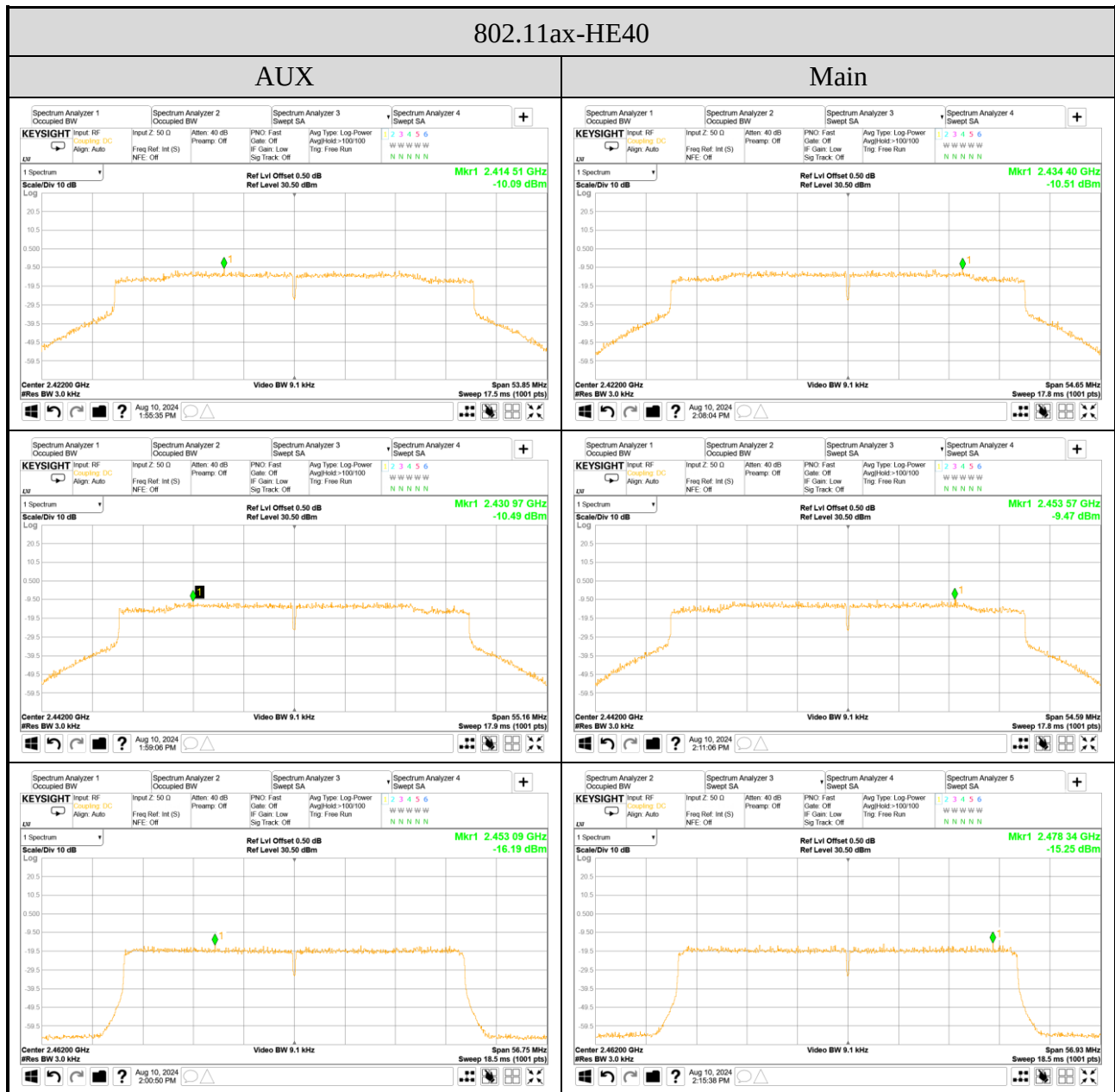
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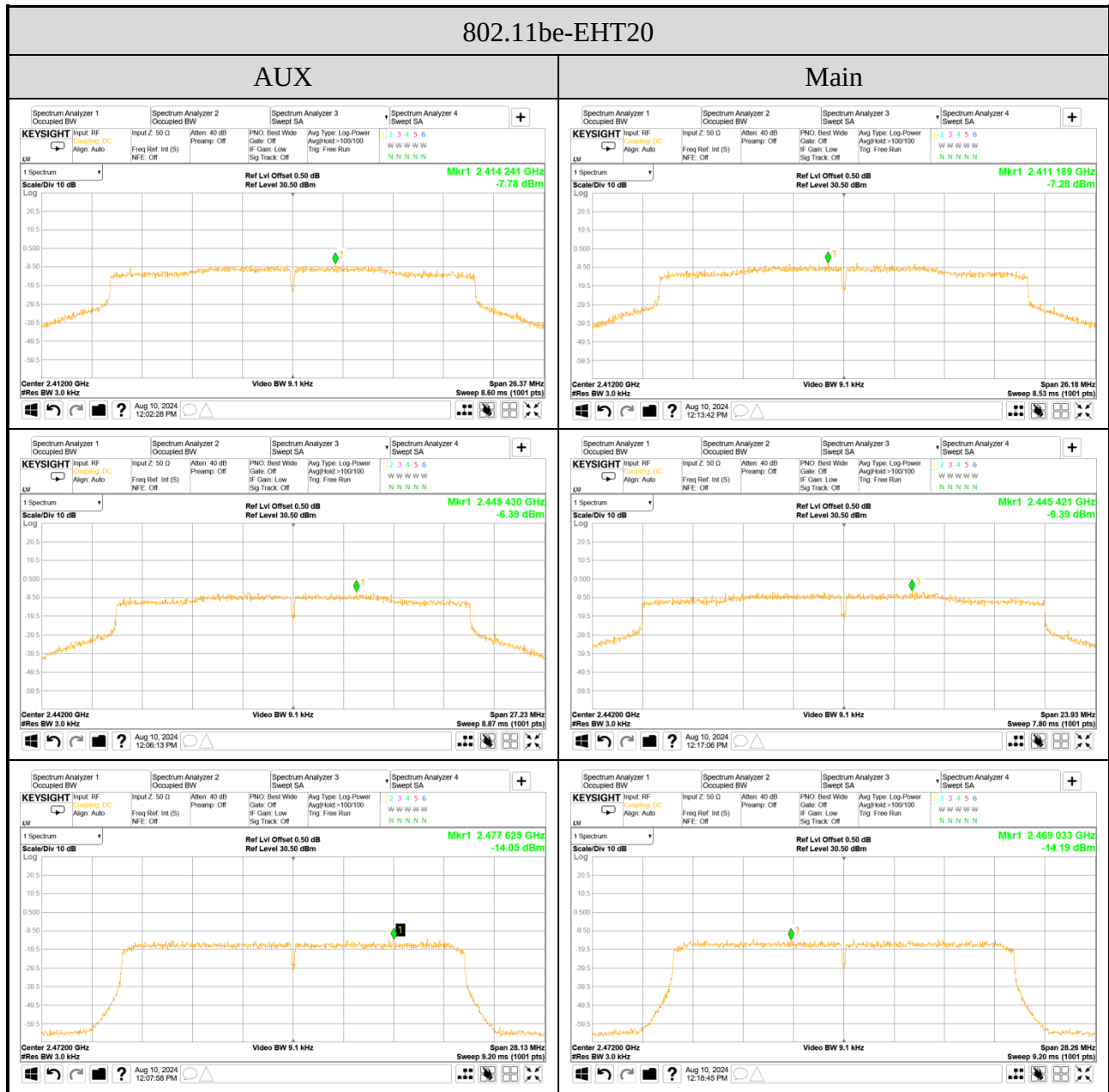
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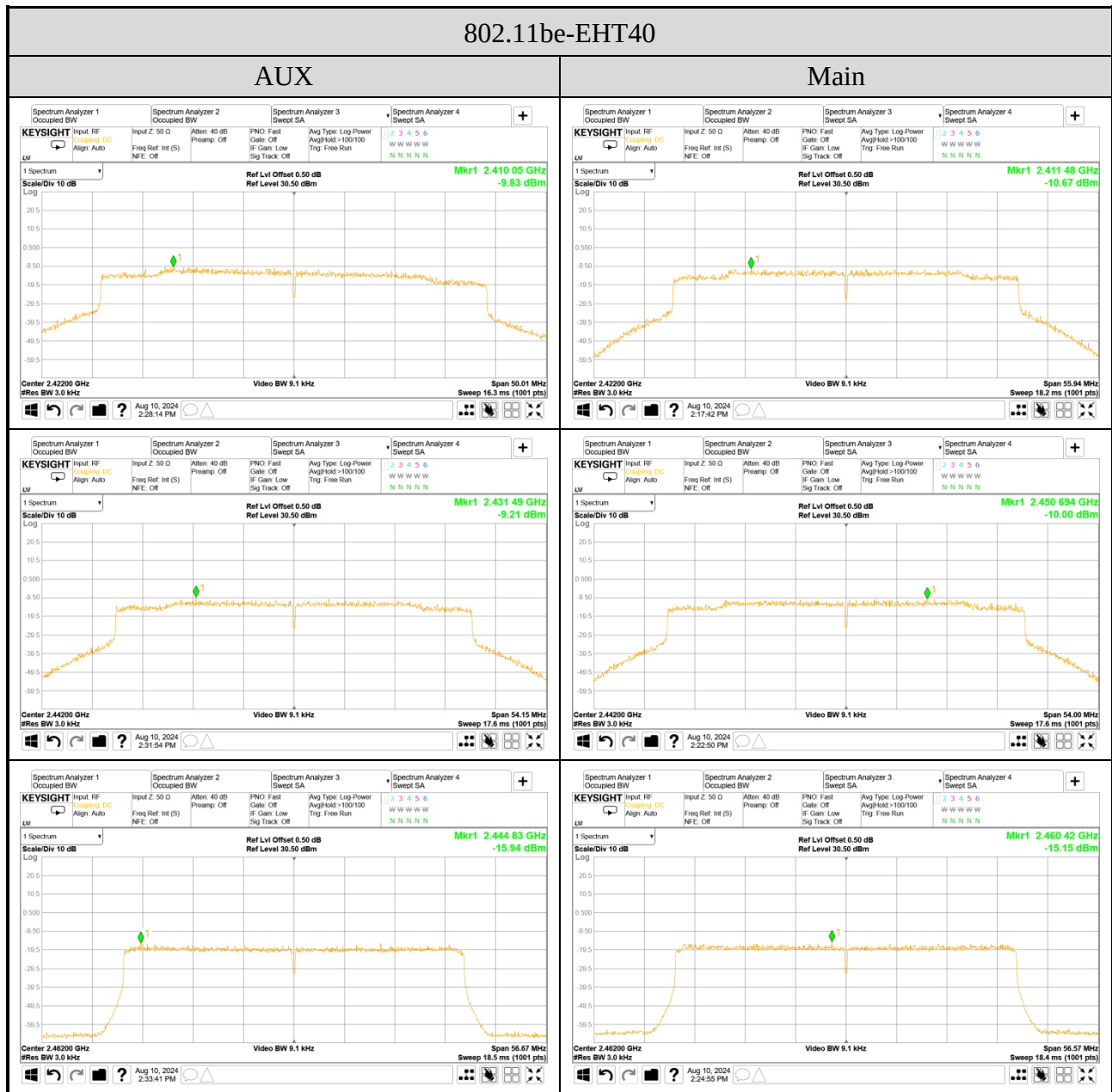
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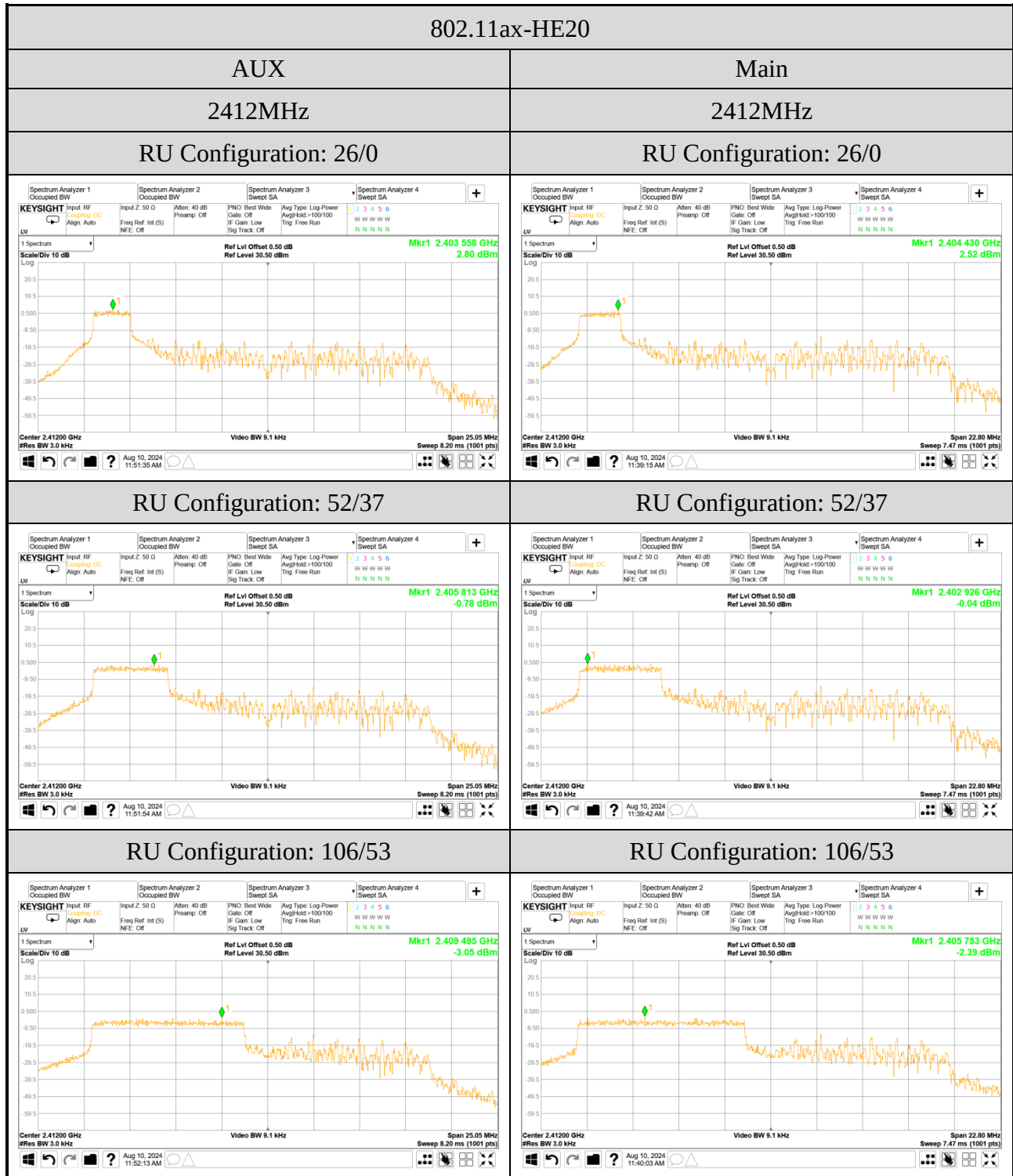
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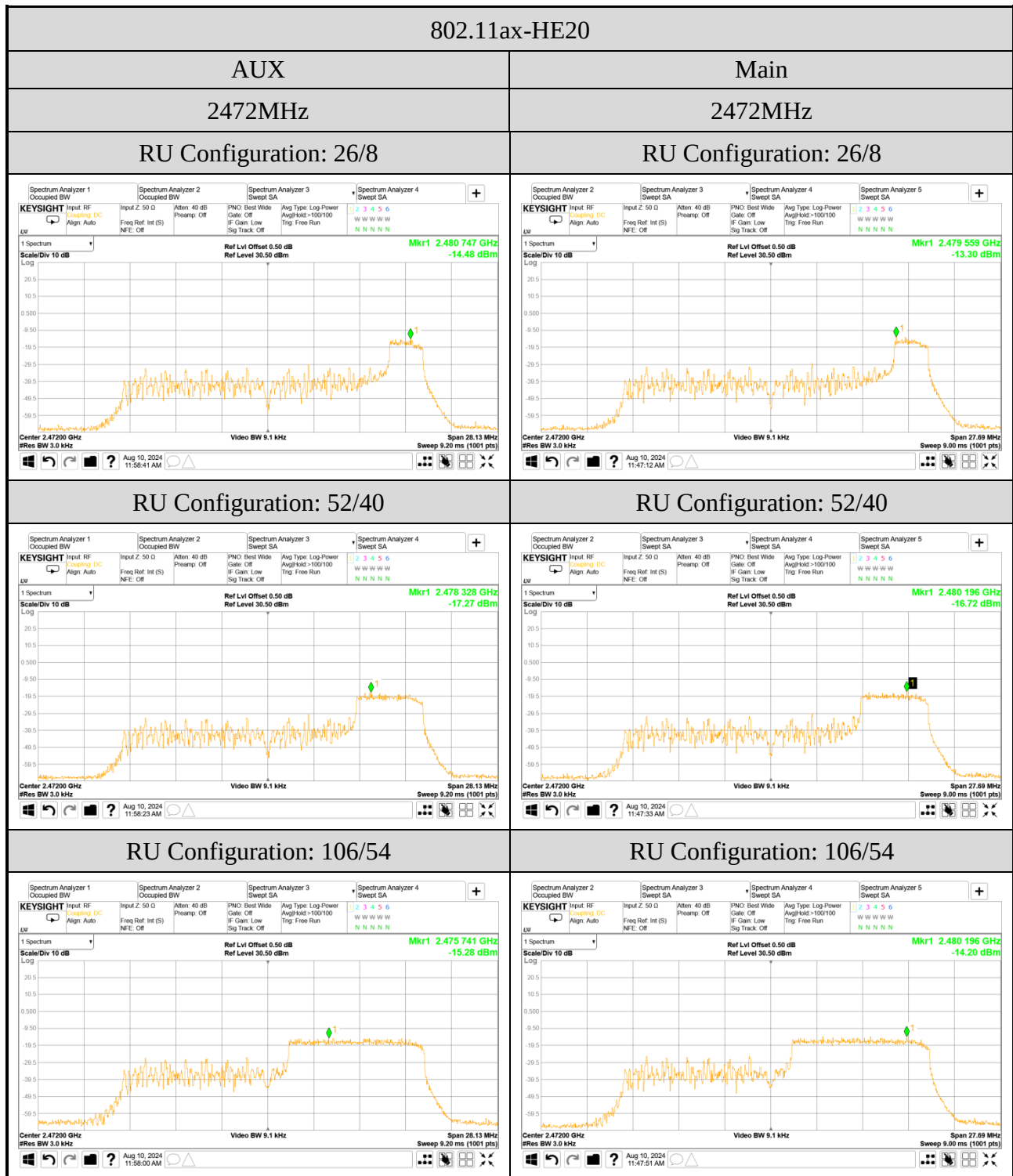
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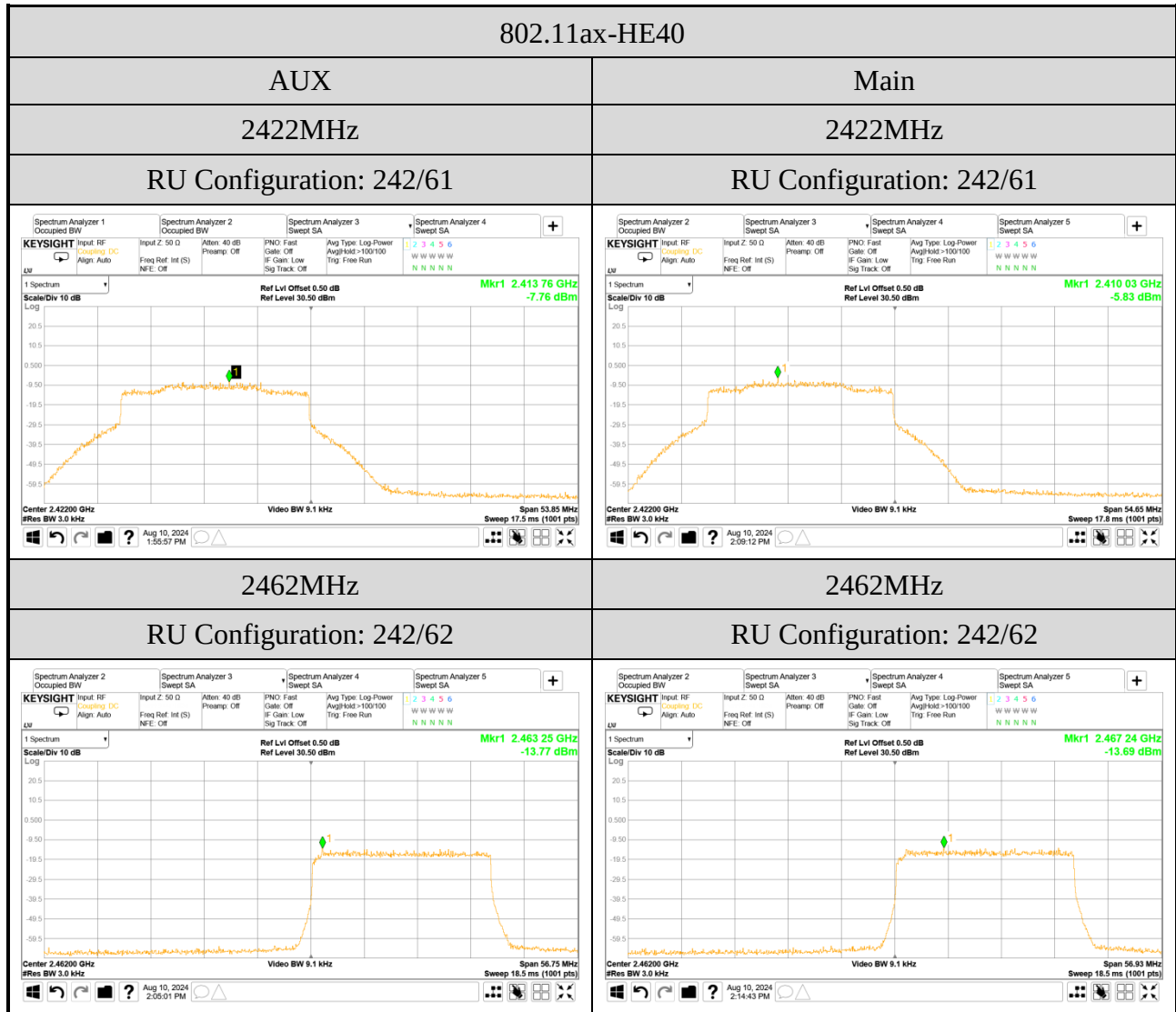
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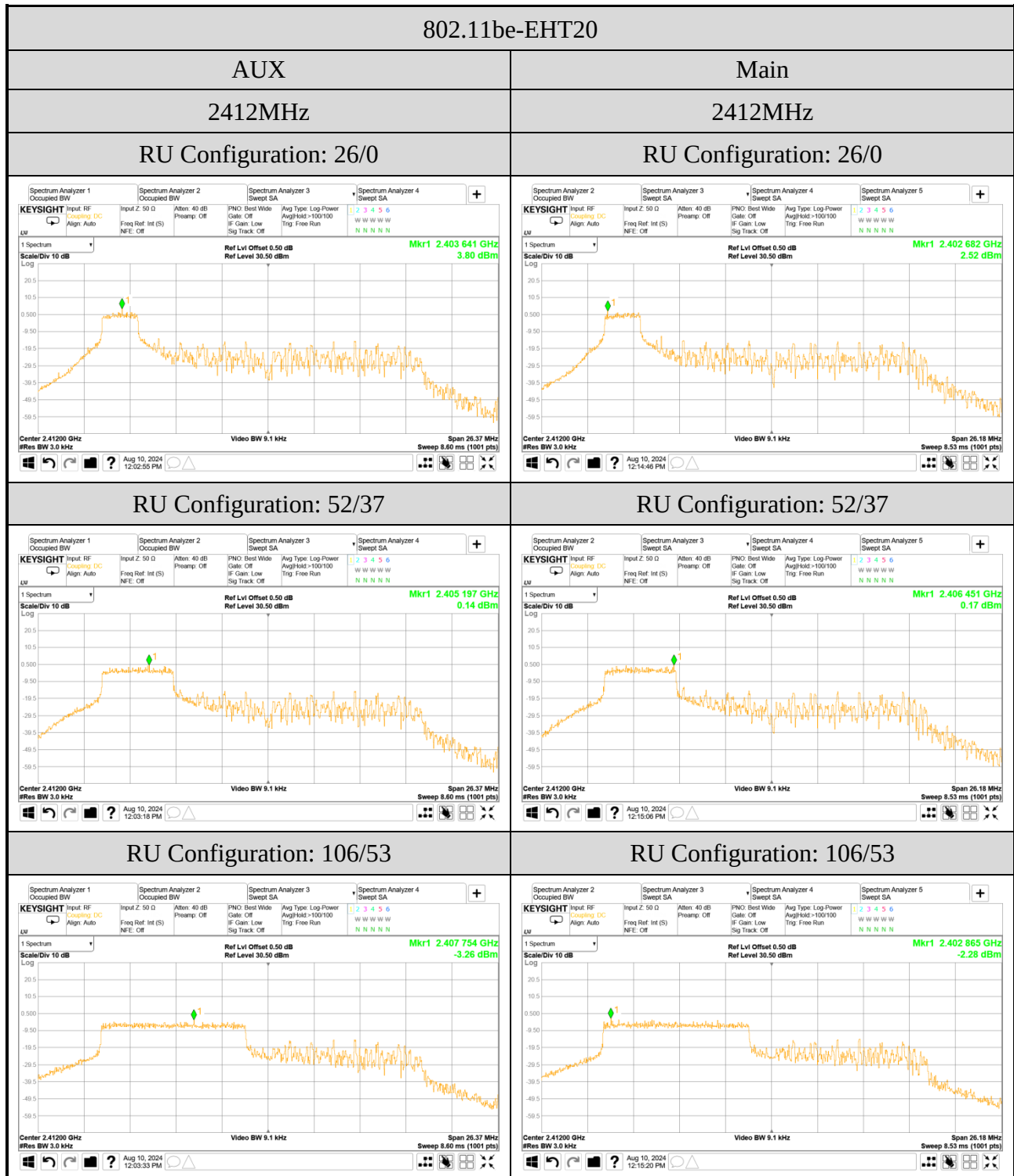
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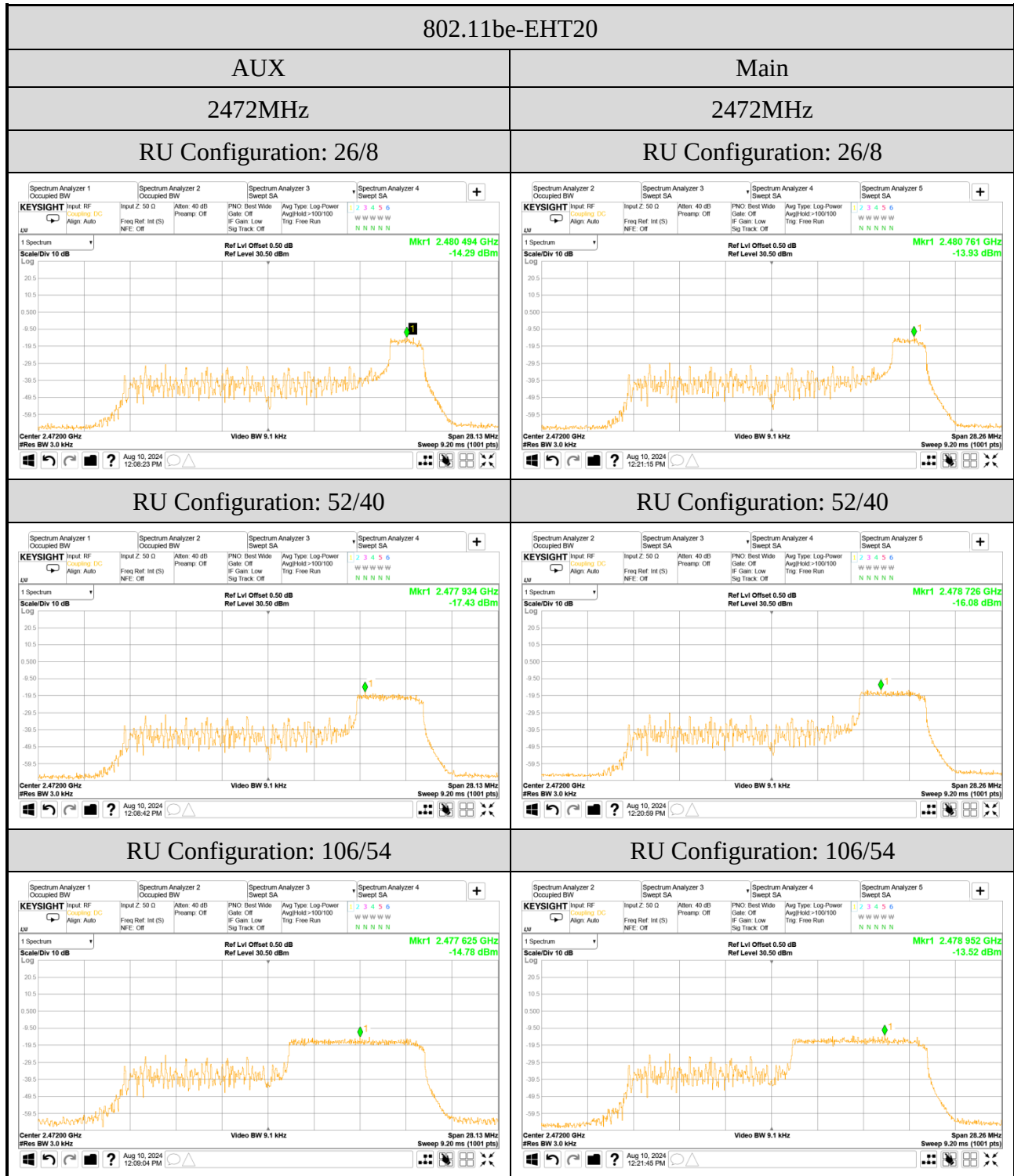
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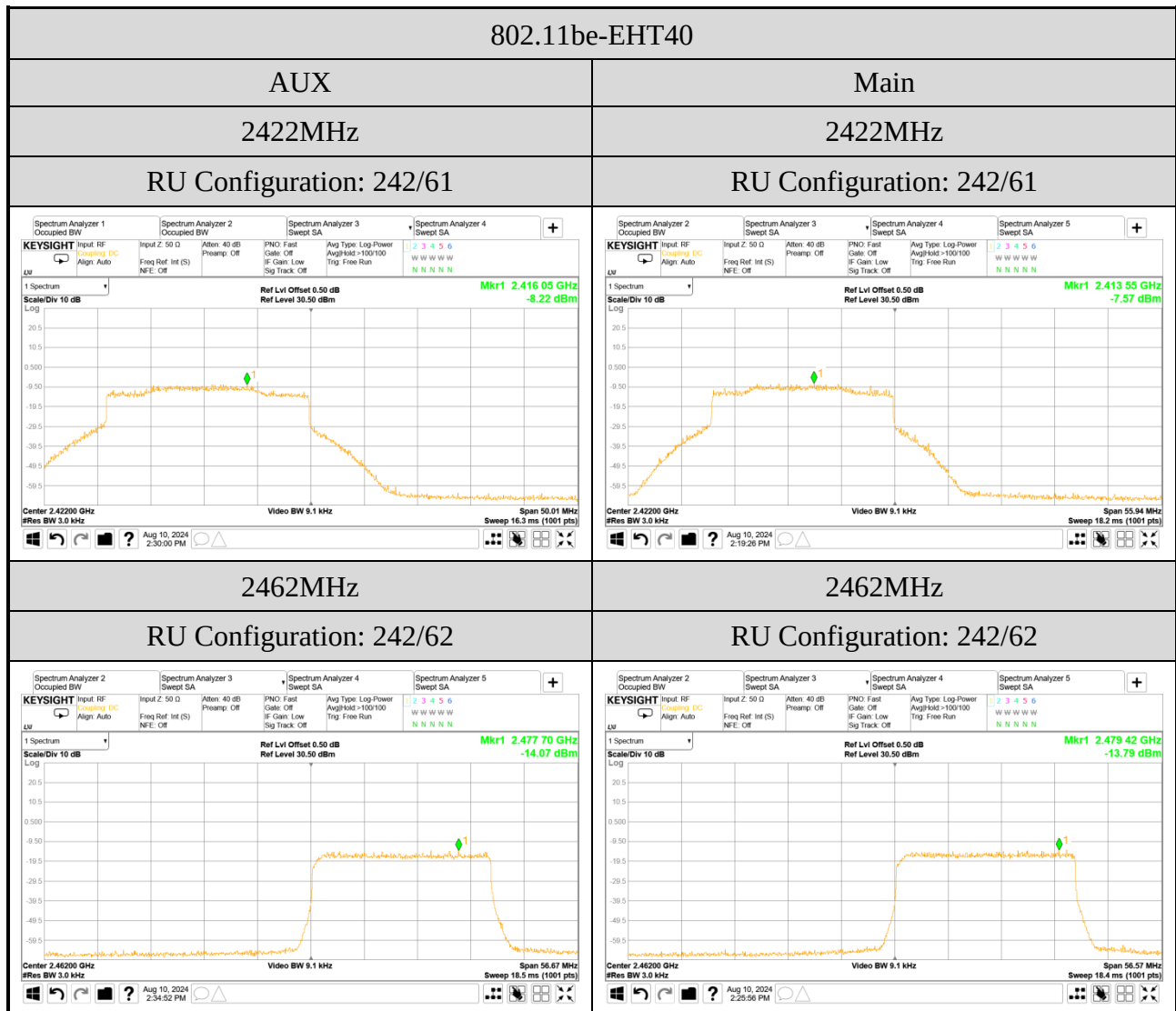
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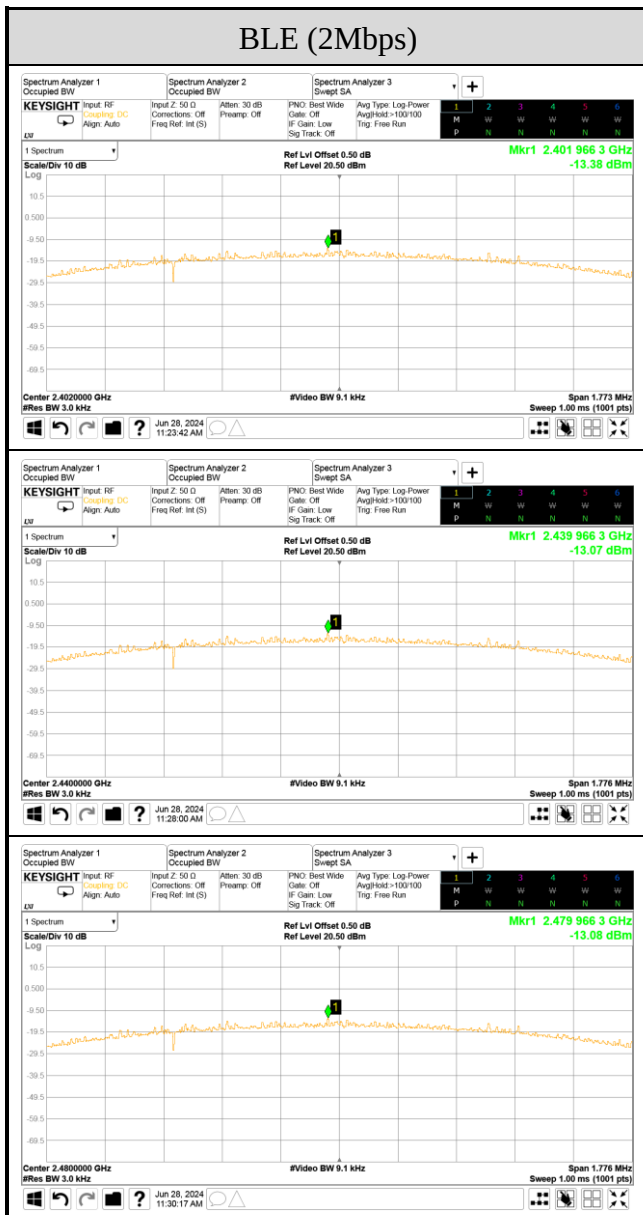
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