

A.6 POWER SPECTRAL DENSITY

Test Date	2024/11/25~12/03	Temp./Hum.	23°C/52~53%
Cable Loss	0.50dB	Tested By	Harry Huang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

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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	-5.53	-4.67	-4.67	<8 dBm/3kHz
	2442	-4.20	-4.92	-4.20	
	2462	-4.82	-4.45	-4.45	
	2472	-6.00	-4.74	-4.74	
802.11g	2412	-6.36	-5.97	-5.97	
	2442	-6.36	-6.39	-6.36	
	2462	-5.67	-7.08	-5.67	
	2472	-11.60	-11.46	-11.46	

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.

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) ^{Note 2}	Limit
		AUX	Main		
802.11n-HT20	2412	-8.70	-9.46	-6.05	<8 dBm/3kHz
	2442	-6.40	-6.83	-3.60	
	2462	-6.69	-8.69	-4.57	
	2472	-12.10	-12.07	-9.07	
802.11n-HT40	2422	-13.11	-13.69	-10.38	
	2442	-10.57	-11.59	-8.04	
	2452	-11.77	-13.64	-9.59	
	2462	-14.71	-15.43	-12.04	
802.11ax-HE20	2412	-8.98	-10.04	-6.47	
	2442	-7.75	-8.30	-5.01	
	2462	-8.98	-10.31	-6.58	
	2472	-13.16	-13.77	-10.44	
802.11ax-HE40	2422	-14.03	-13.06	-10.51	
	2442	-11.34	-13.25	-9.18	
	2452	-13.52	-14.12	-10.80	
	2462	-15.85	-16.80	-13.29	
802.11be-EHT20	2412	-9.24	-8.49	-5.84	
	2442	-6.08	-8.03	-3.94	
	2462	-9.25	-9.33	-6.28	
	2472	-13.10	-14.45	-10.71	
802.11be-EHT40	2422	-14.21	-14.68	-11.43	
	2442	-11.26	-13.27	-9.14	
	2452	-13.65	-14.02	-10.82	
	2462	-15.39	-17.06	-13.13	

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.

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Mode	Centre Frequency (MHz)	RU Config	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) ^{Note 2}	Limit
			AUX	Main		
802.11ax-HE20	2412	26/0	0.36	0.91	3.65	<8 dBm/3kHz
		52/37	-1.95	-1.85	1.11	
		106/53	-4.35	-4.61	-1.47	
	2472	26/8	-14.61	-15.00	-11.79	
		52/40	-17.45	-17.17	-14.30	
		106/54	-13.51	-13.42	-10.45	
802.11ax-HE40	2422	242/61	-8.00	-10.24	-5.97	
	2462	242/62	-12.99	-15.31	-10.99	
802.11be-EHT20	2412	26/0	0.96	0.72	3.85	
		52/37	-1.74	-2.16	1.07	
		106/53	-4.30	-4.98	-1.62	
	2472	26/8	-14.40	-15.04	-11.70	
		52/40	-17.20	-17.10	-14.14	
		106/54	-14.03	-14.79	-11.38	
802.11be-EHT20	2422	242/61	-6.66	-8.72	-4.56	
	2462	242/62	-13.57	-13.75	-10.65	

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).

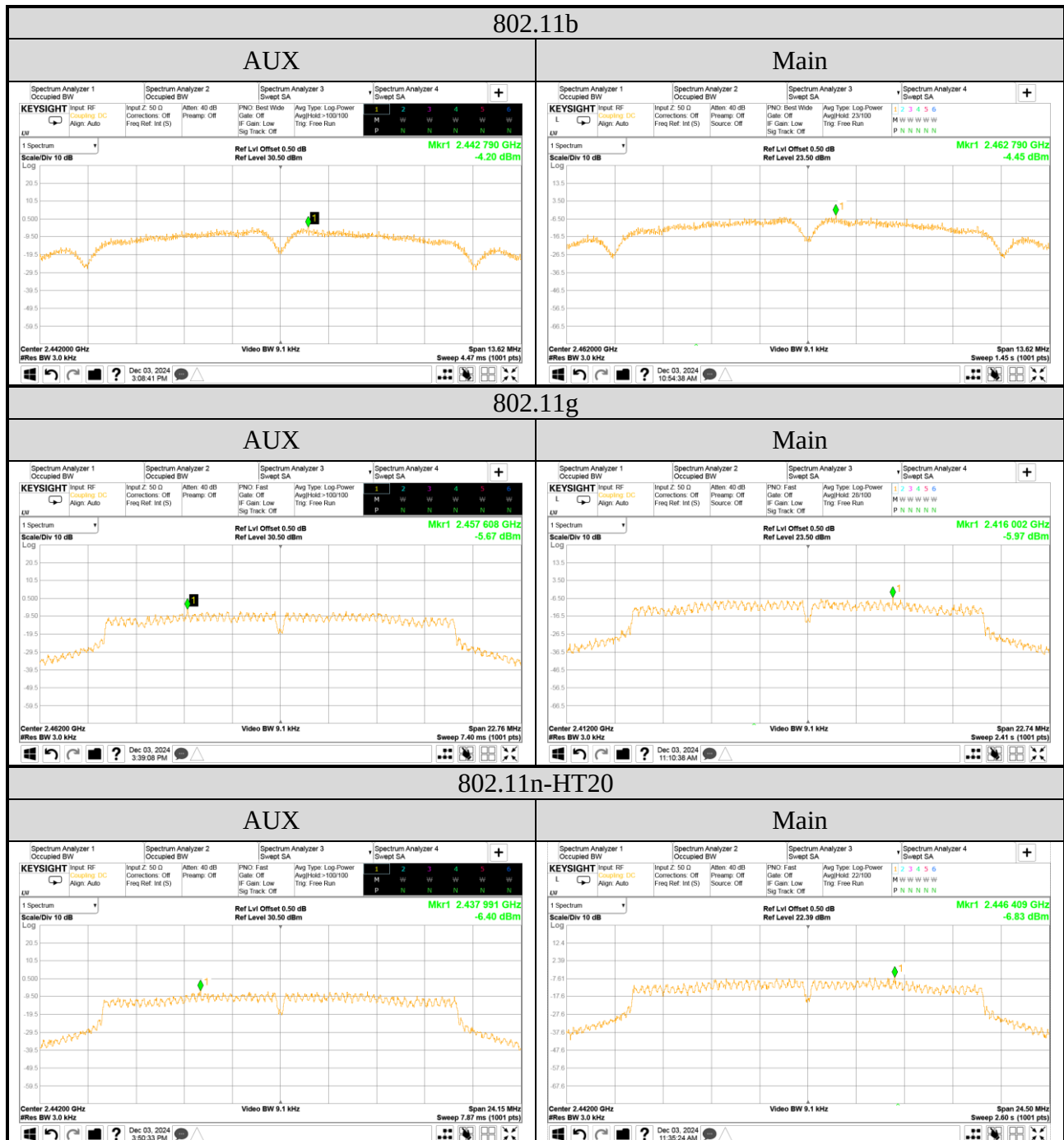
3. We only presented max result (worst case) plots for each test mode.

Mode	Center Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE (2Mbps)	2402	-5.46	<8 dBm/3kHz
	2440	-5.21	
	2480	-5.09	

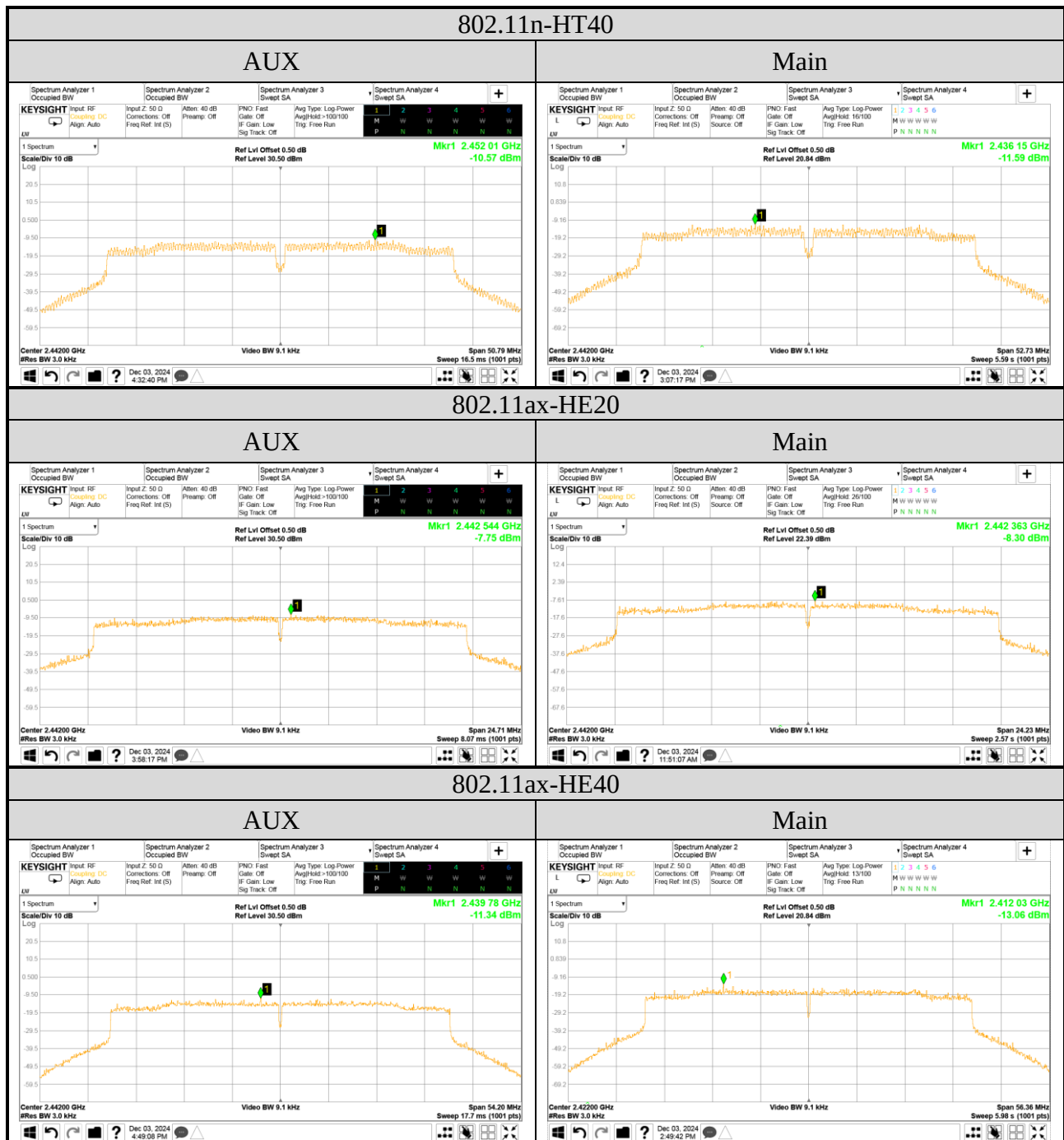
Note: 1. All results have been included cable loss.

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

A.6.2 Measurement Plots



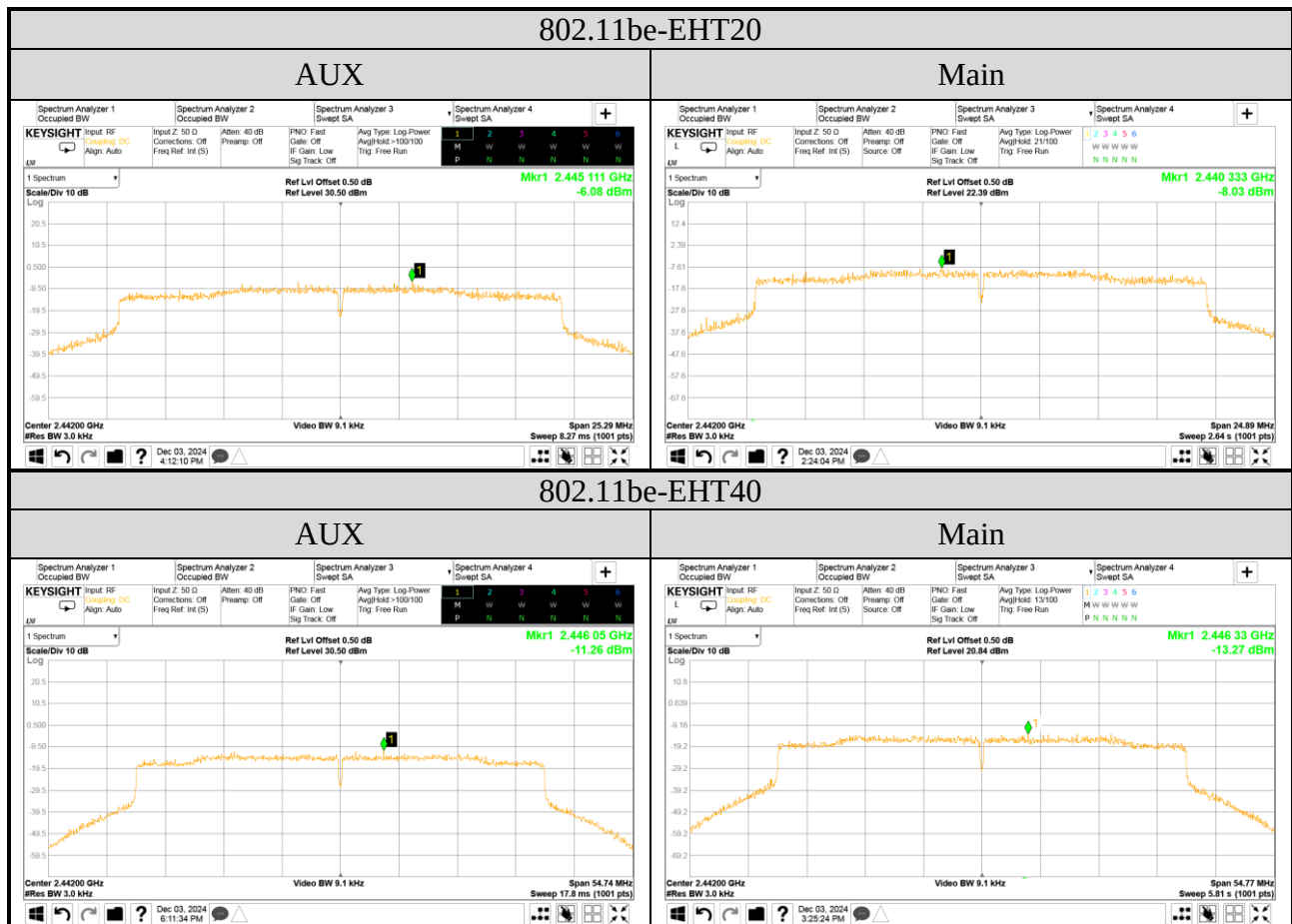
Note: All results have been included cable loss.



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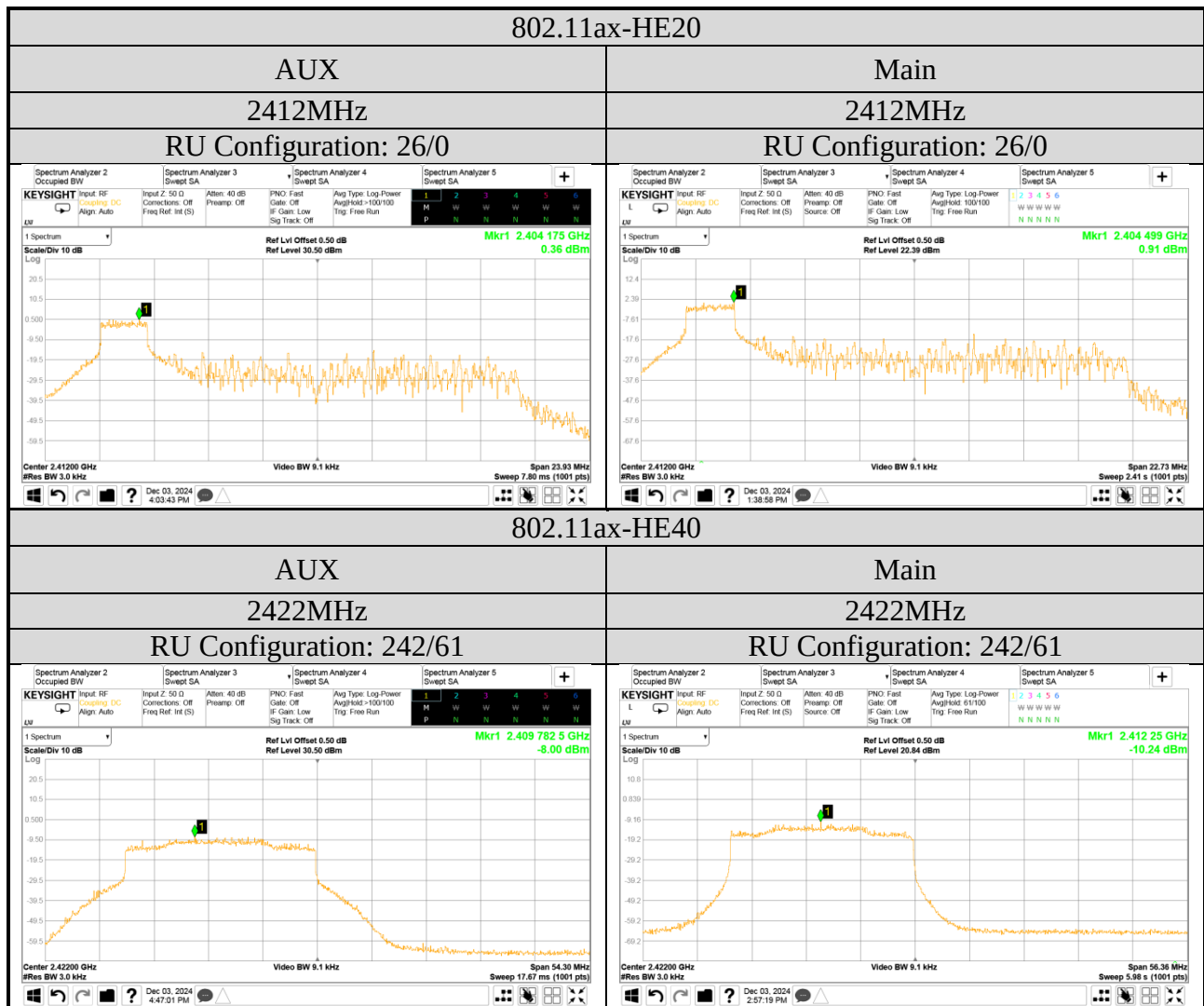
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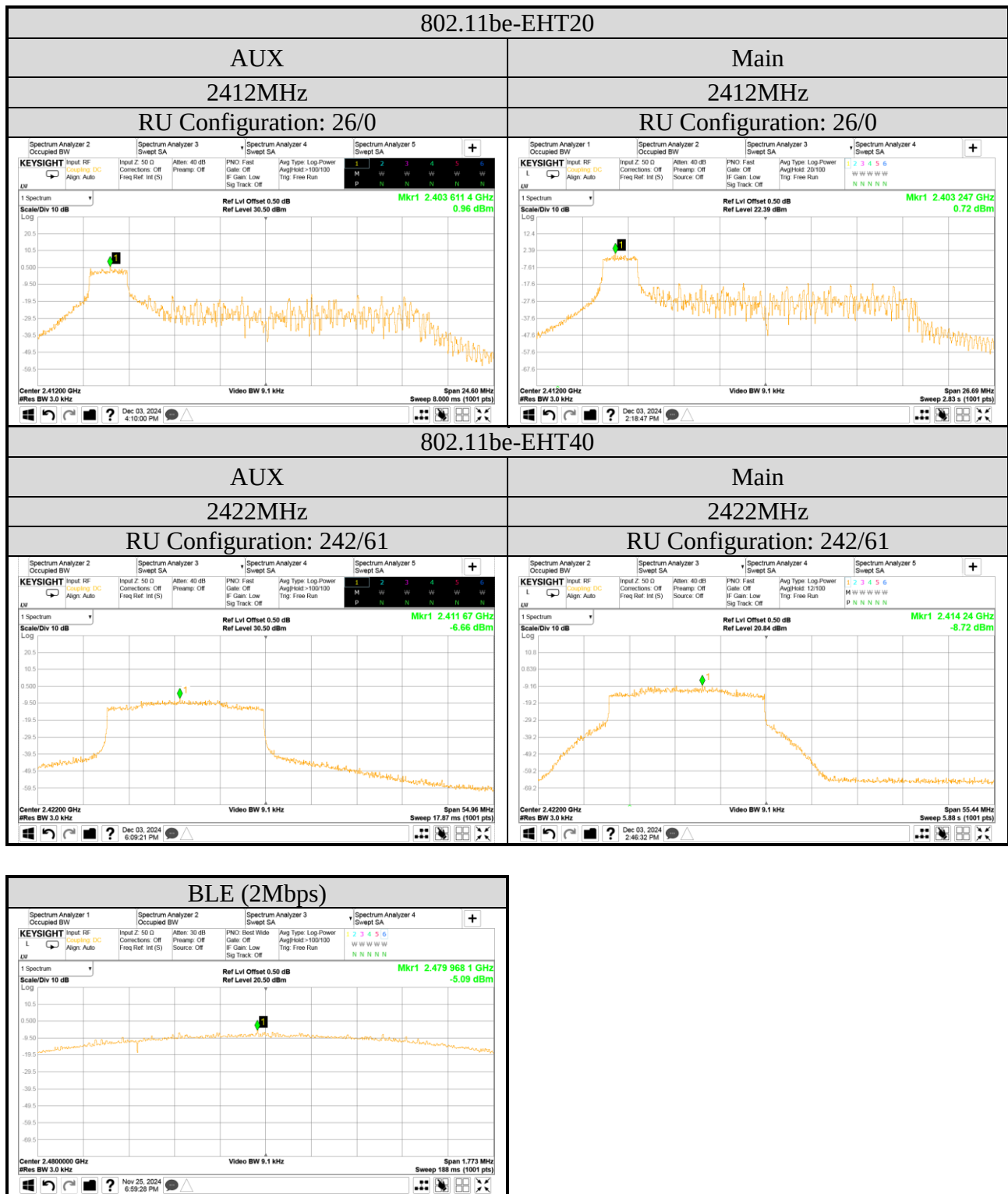
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