

A.3 DTS/OCCUPIED BANDWIDTH

Test Date	2023/03/07 ~ 10	Temp./Hum.	22 ~ 24°C/42 ~ 48%
Cable Loss	WiFi: 1.30dB, BLE: 0.50dB	Tested By	Sam Chang
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.3.1 DTS/Occupied Bandwidth Result

Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)		Occupied (99%) Bandwidth (MHz)		Limit
		AUX	Main	AUX	Main	
802.11b	2412	9.085	9.083	13.527	13.564	>500kHz
	2442	9.086	9.085	13.576	13.569	
	2462	9.089	9.071	13.562	13.561	
	2472	9.050	9.077	13.380	13.373	
802.11g	2412	15.15	15.17	16.769	16.690	
	2442	15.17	15.15	16.711	16.728	
	2462	15.15	15.16	16.696	16.764	
	2472	16.35	16.35	16.389	16.401	
802.11n-HT20	2412	15.14	16.33	17.785	17.792	
	2442	15.97	16.34	17.834	17.827	
	2462	15.10	15.43	17.829	17.821	
	2472	17.58	17.61	17.573	17.601	
802.11n-HT40	2422	35.15	35.15	35.898	35.802	
	2442	35.14	35.17	35.957	35.934	
	2452	35.14	35.18	35.980	35.902	
	2462	36.37	36.43	36.145	36.049	
802.11ax-HE20	2412	15.45	16.36	18.932	18.946	
	2442	17.66	16.32	18.954	18.982	
	2462	16.93	17.01	18.939	18.949	
	2472	18.08	17.82	18.725	18.740	
802.11ax-HE40	2422	35.18	35.18	37.420	37.403	
	2442	35.51	34.51	37.405	37.462	
	2452	34.78	35.21	37.490	37.486	
	2462	37.66	37.56	37.572	37.523	

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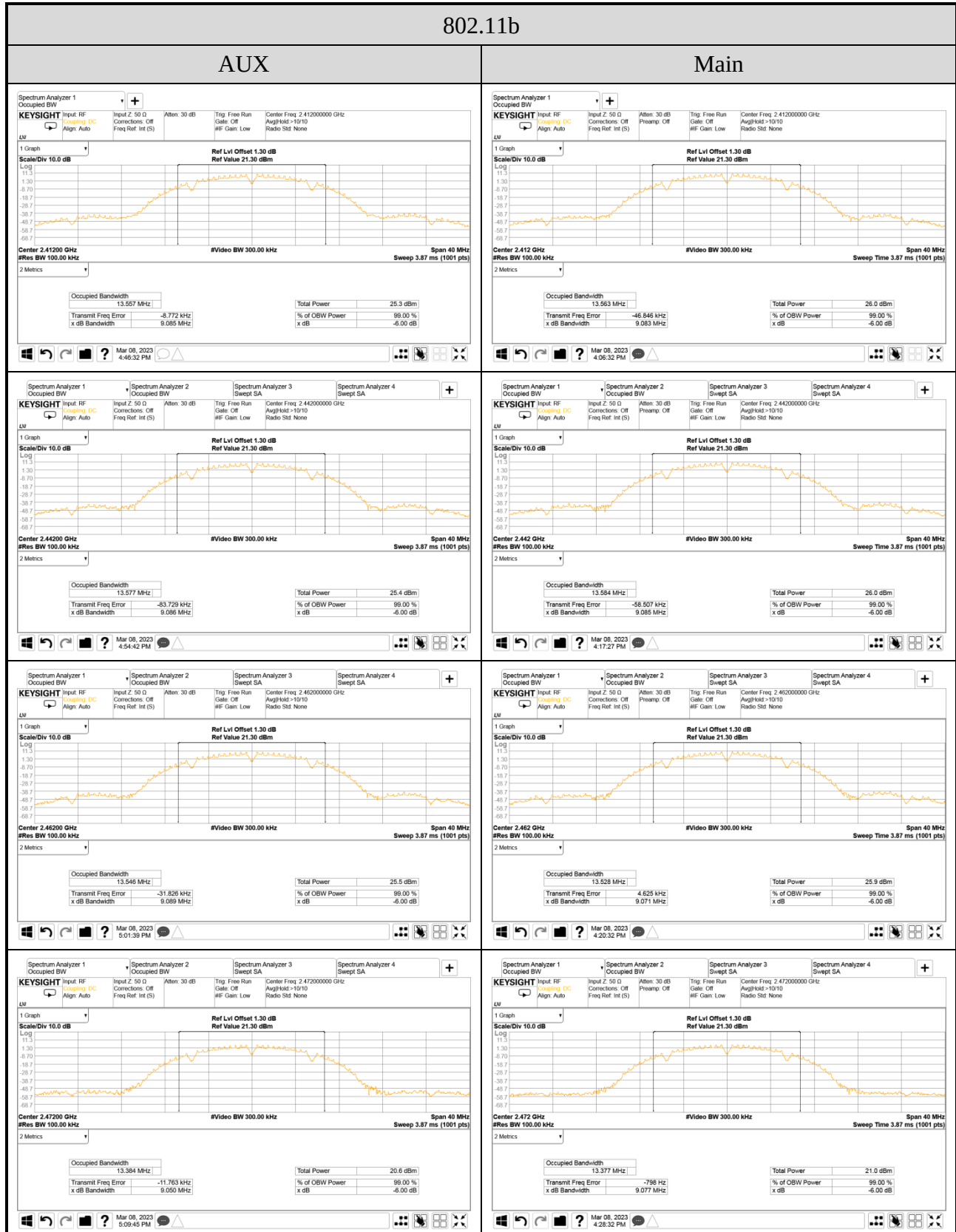
Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
BLE (1Mbps)	2402	0.6754	1.0442	>500kHz
	2440	0.6765	1.0391	
	2480	0.6827	1.0377	
BLE (2Mbps)	2402	1.125	2.0450	>500kHz
	2440	1.125	2.0455	
	2480	1.148	2.0399	
BLE (PHY Coded S2)	2402	0.6652	1.0363	>500kHz
	2440	0.6734	1.0380	
	2480	0.6813	1.0377	
BLE (PHY Coded S8)	2402	0.6128	1.0618	>500kHz
	2440	0.6090	1.0610	
	2480	0.6117	1.0616	

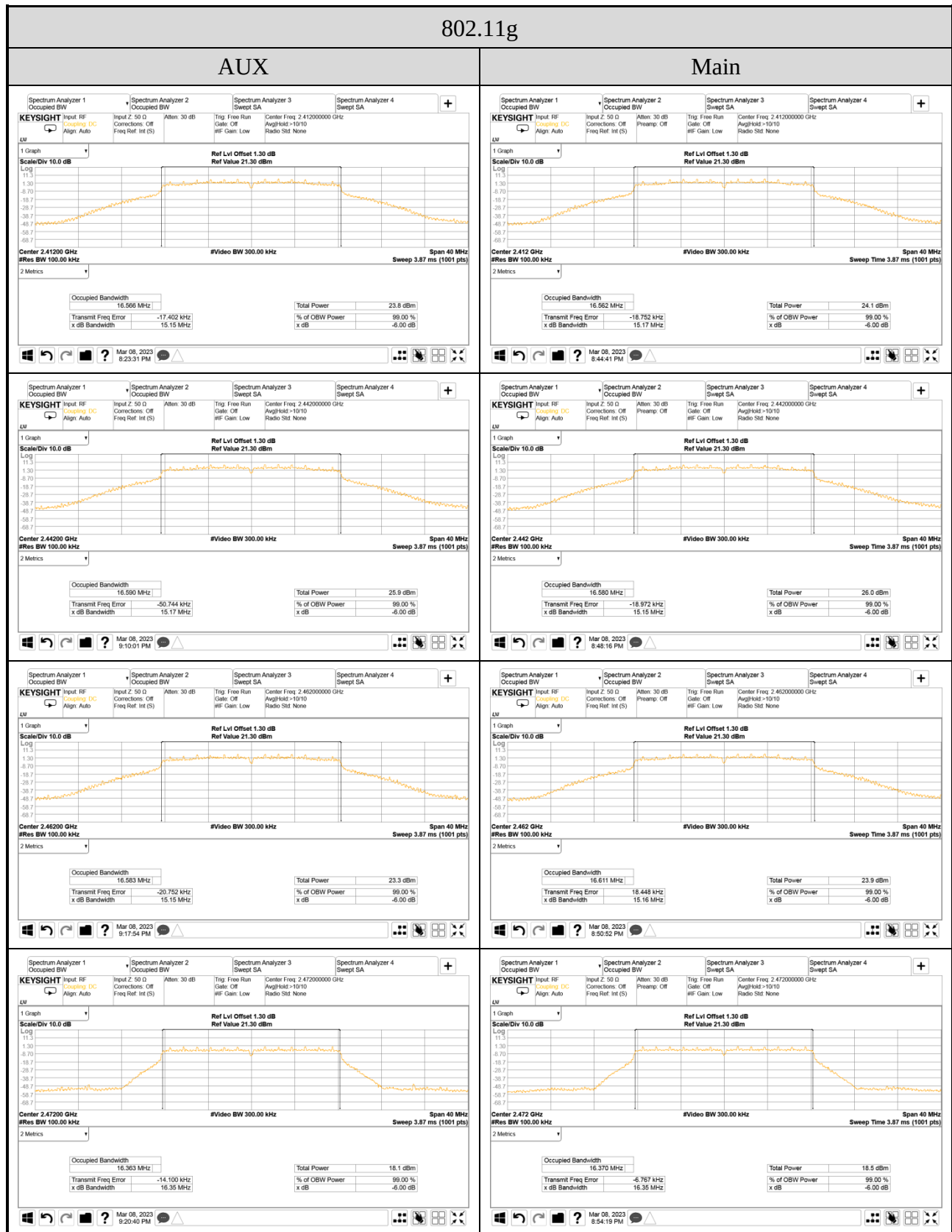
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A.3.2 Measurement Plots

● DTS (6dB) Bandwidth





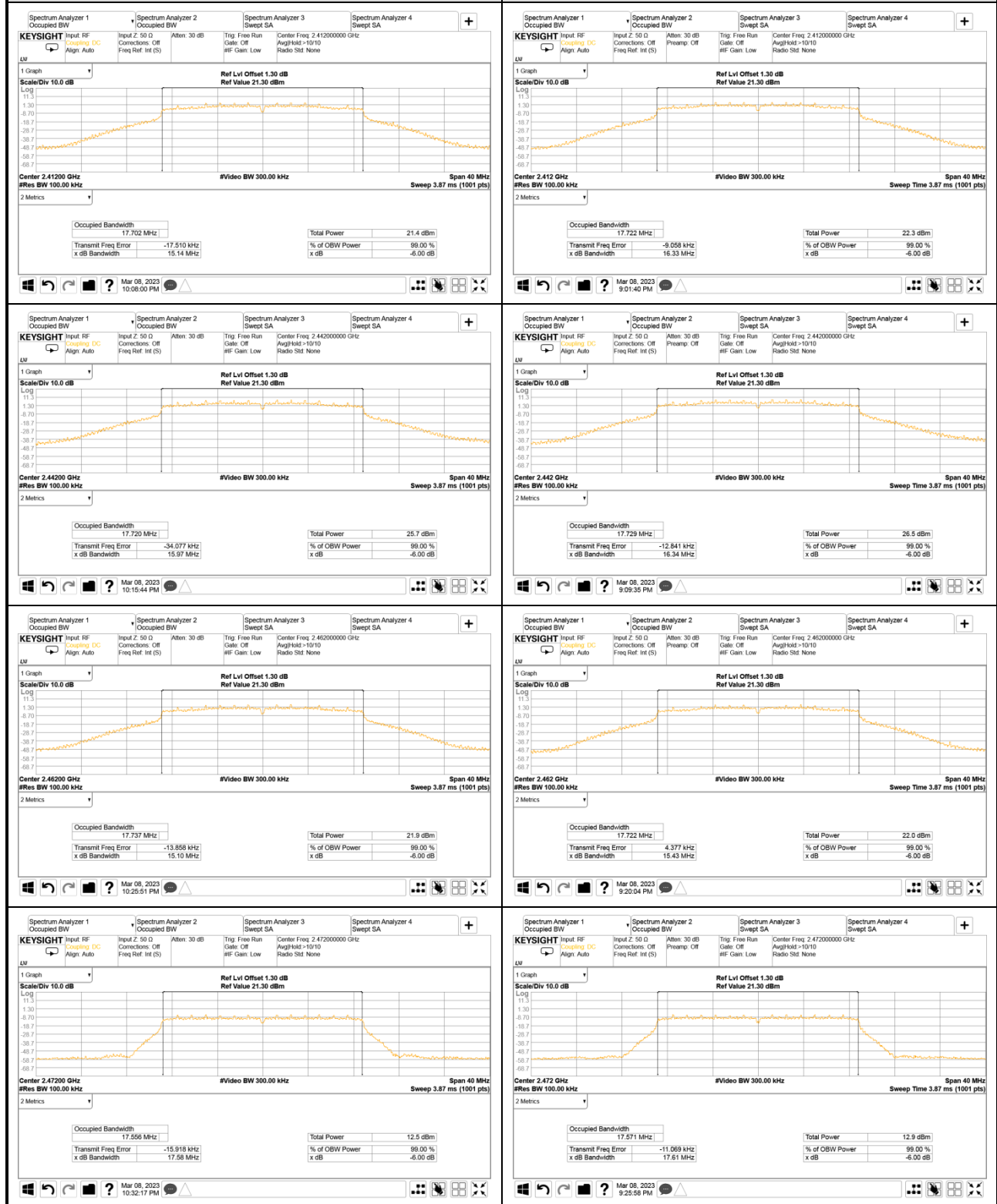
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802.11n-HT20

AUX

Main



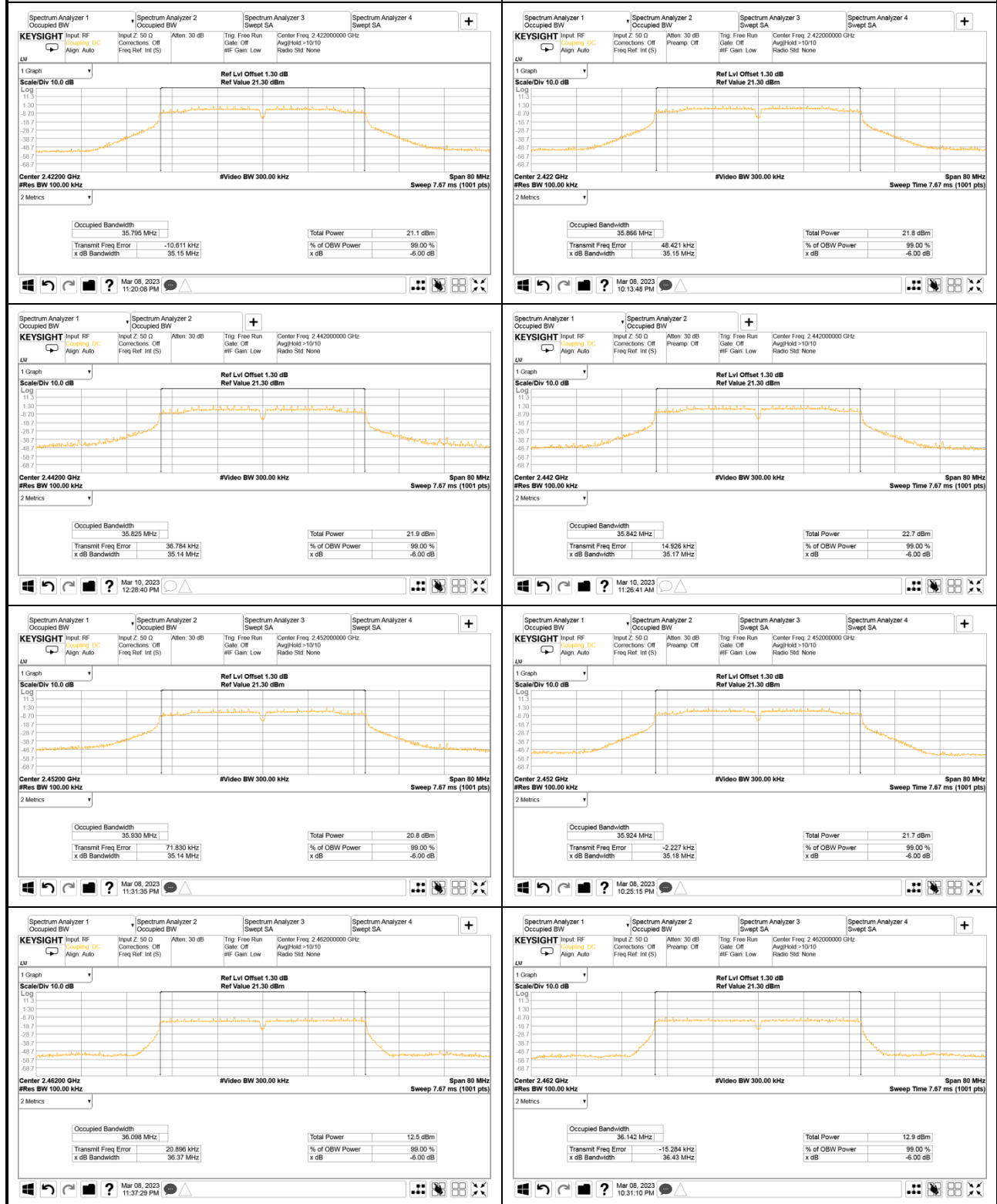
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802.11n-HT40

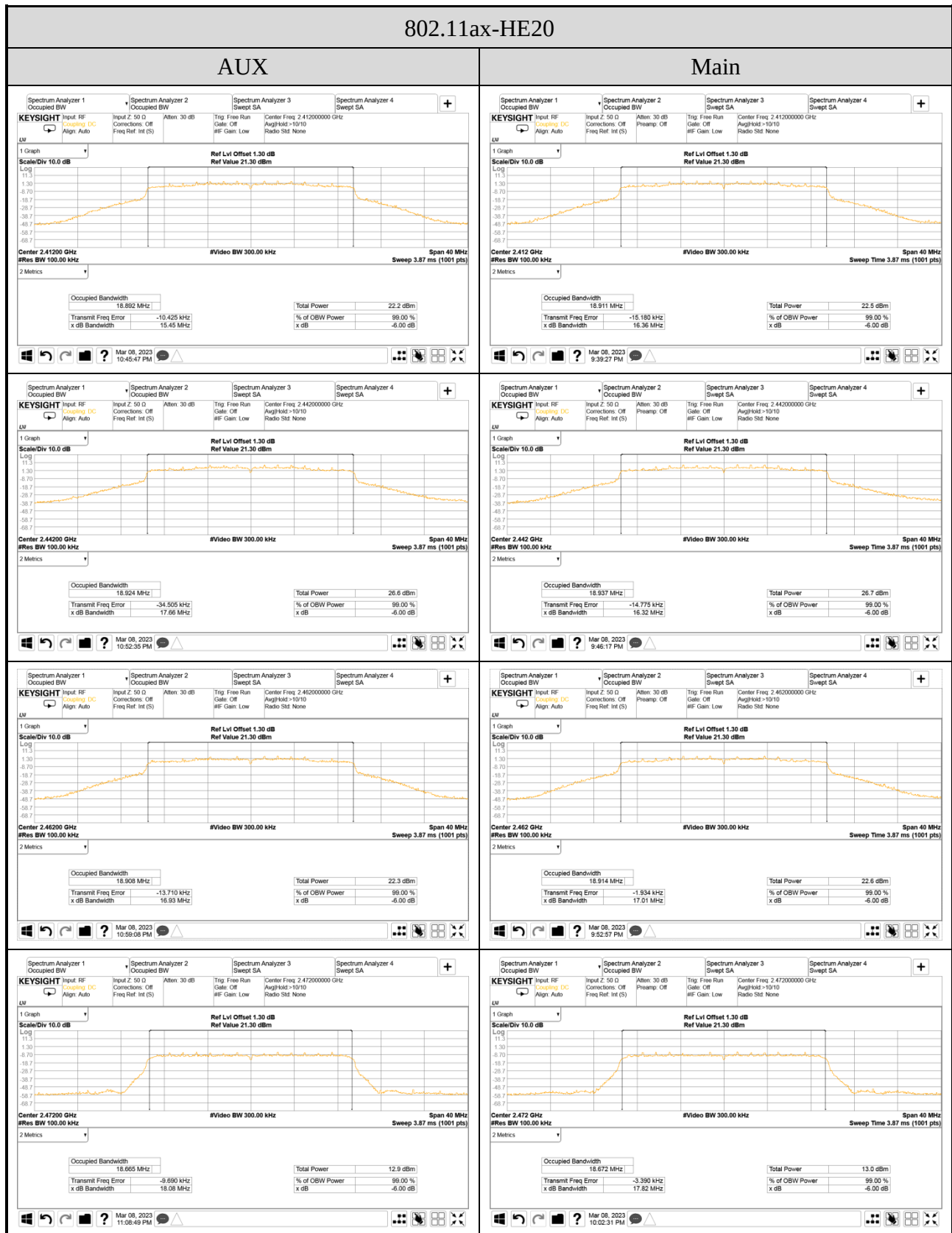
AUX

Main



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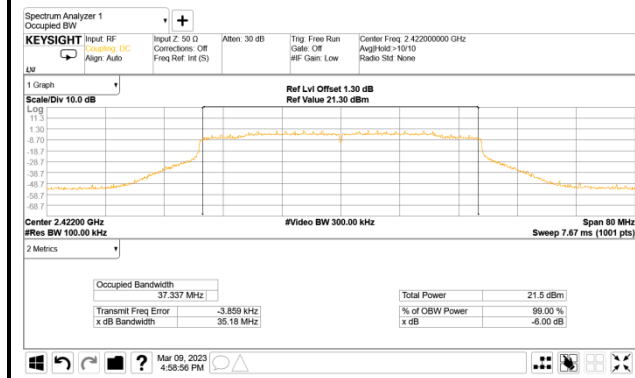


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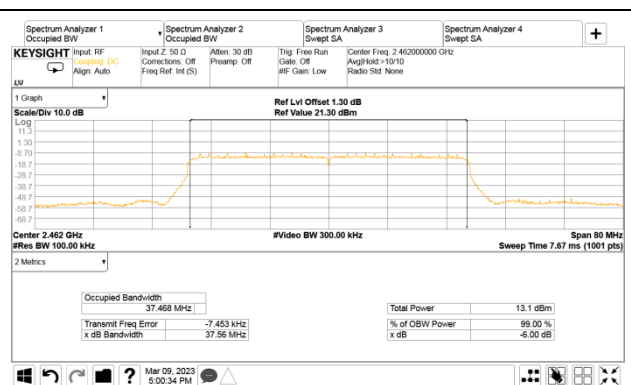
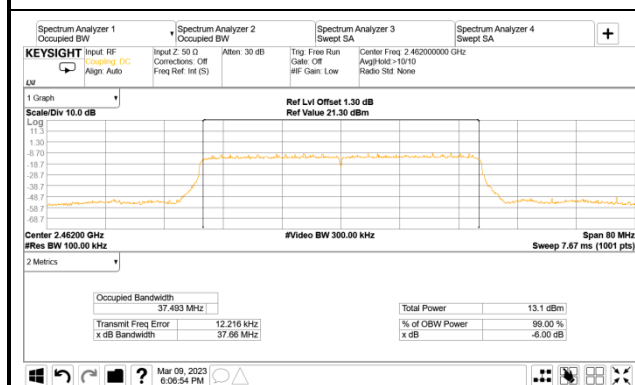
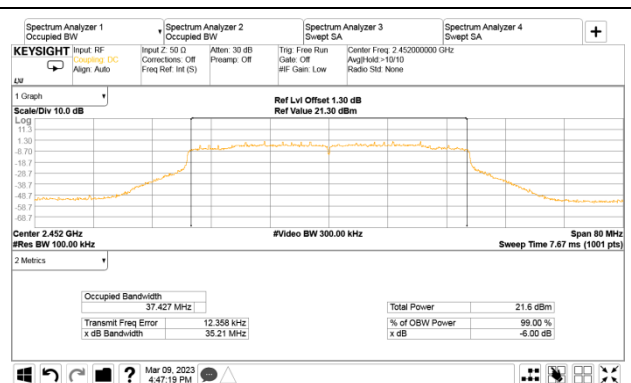
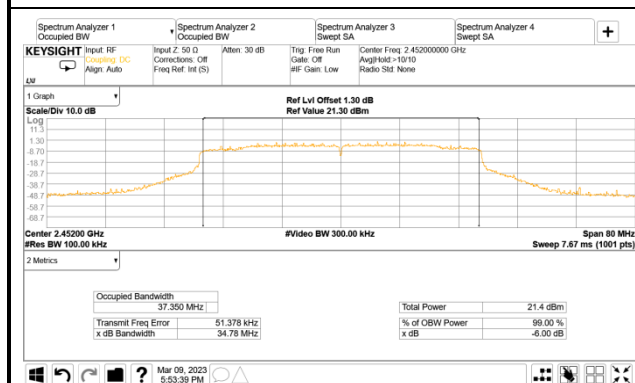
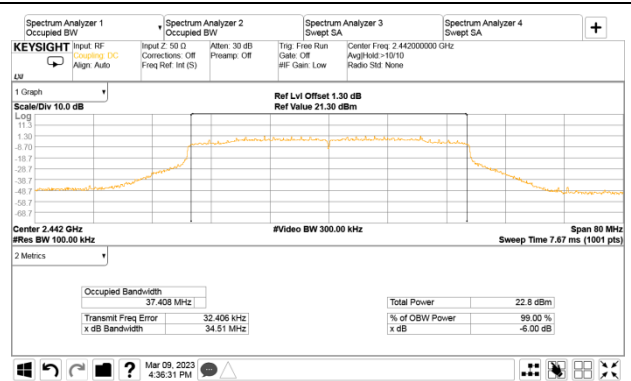
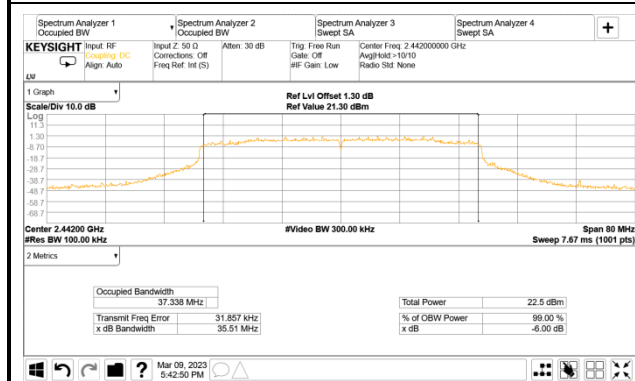
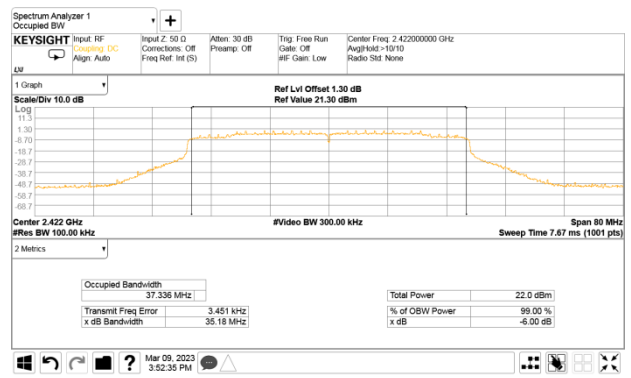
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802.11ax-HE40

AUX

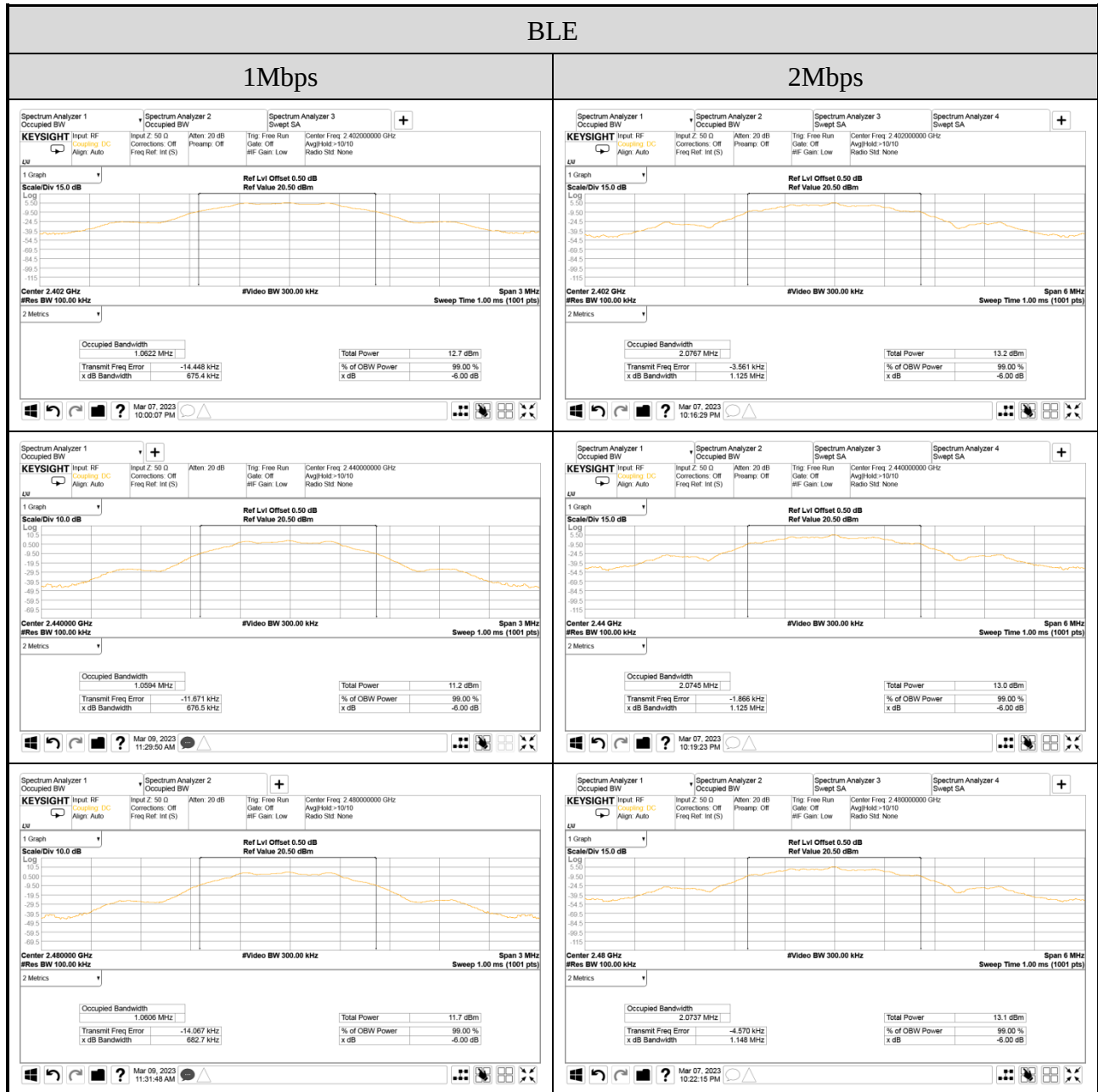


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