Audix Technology Corp.
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A.3 DTS/OCCUPIED BANDWIDTH

Test Date	2022/10/26 ~ 27	Temp./Hum.	23~24°C/58~62%
Cable Loss	0.50dB	Tested By	Kuper Hsu
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	9.102	9.068	13.627	13.626	>500kHz
	2442	9.100	9.096	13.599	13.526	
	2462	9.012	9.060	13.582	13.552	
	2472	9.067	9.068	13.424	13.395	
802.11g	2412	15.10	15.16	16.694	16.719	
	2442	15.15	15.32	16.730	16.726	
	2462	15.15	15.17	16.977	16.812	
	2472	16.38	16.36	16.412	16.398	
802.11n-HT20	2412	15.16	16.26	17.770	17.768	
	2442	15.96	16.54	17.831	17.809	
	2462	15.16	15.16	17.879	17.805	
	2472	17.58	17.60	17.557	17.598	
802.11n-HT40	2422	35.15	35.14	35.918	35.852	
	2442	35.16	35.15	35.943	35.848	
	2452	35.12	35.15	35.943	35.843	
	2462	36.37	36.41	36.131	36.080	
802.11ax-HE20	2412	17.51	15.39	18.938	18.964	
	2442	16.49	17.50	19.000	18.966	
	2462	16.22	16.71	18.910	18.913	
	2472	18.15	18.21	18.747	18.738	
802.11ax-HE40	2422	35.33	36.33	37.457	37.432	
	2442	35.77	36.32	37.461	37.453	
	2452	35.38	36.67	37.452	37.444	
	2462	37.64	37.68	37.542	37.524	

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Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
BLE (1Mbps)	2402	0.6745	1.0474	>500kHz
	2440	0.6722	1.0456	
	2480	0.6835	1.0441	
BLE (2Mbps)	2402	1.133	2.0385	>500kHz
	2440	1.141	2.0346	
	2480	1.150	2.0354	
BLE (PHY Coded S2)	2402	0.6618	1.0356	>500kHz
	2440	0.6955	1.0377	
	2480	0.6808	1.0350	
BLE (PHY Coded S8)	2402	0.6116	1.0649	>500kHz
	2440	0.6115	1.0662	
	2480	0.6344	1.0627	

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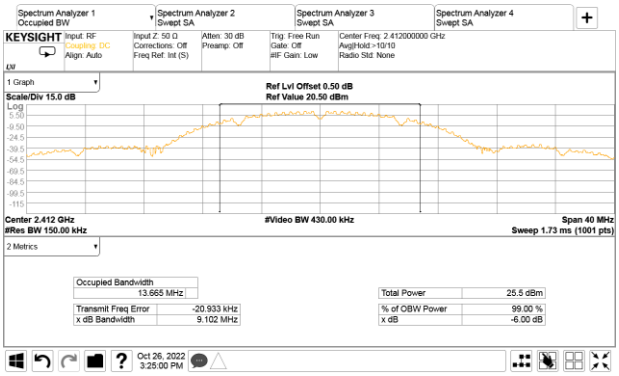
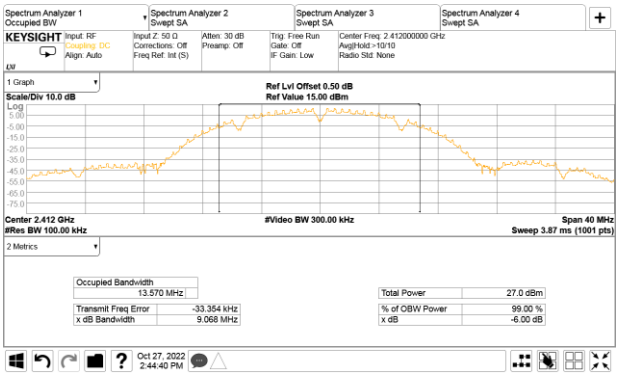
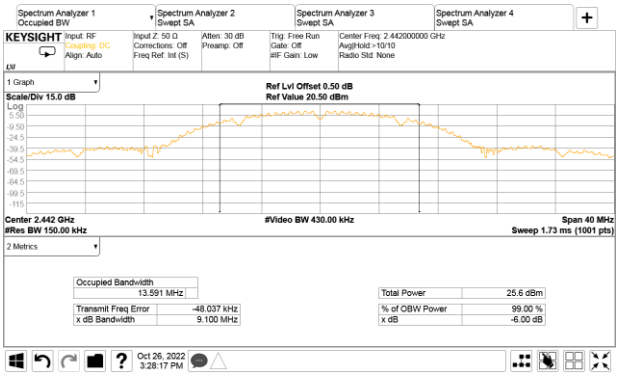
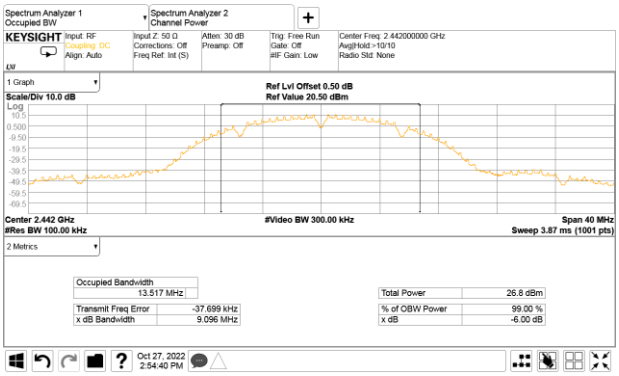
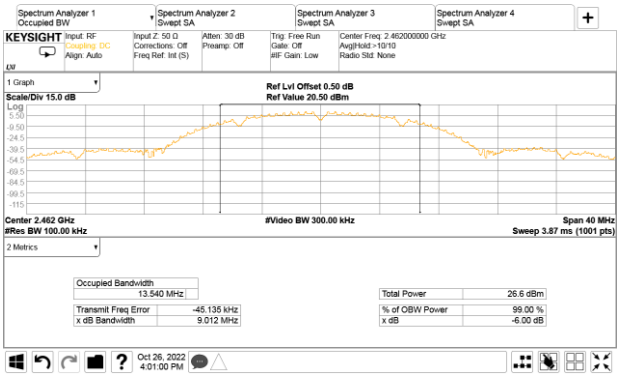
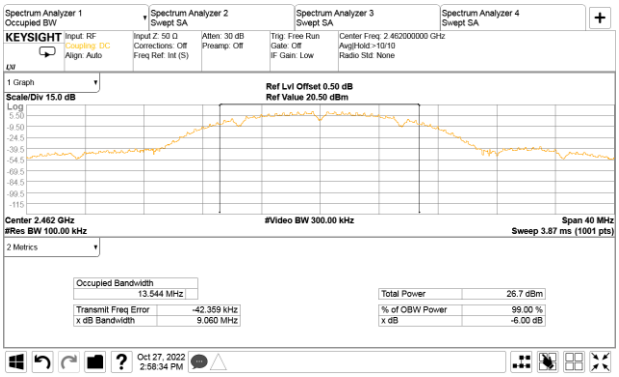
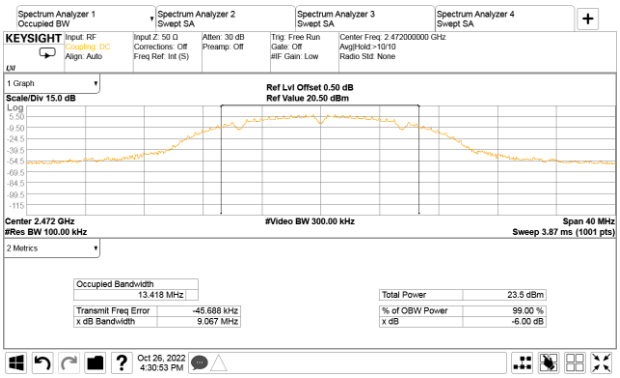
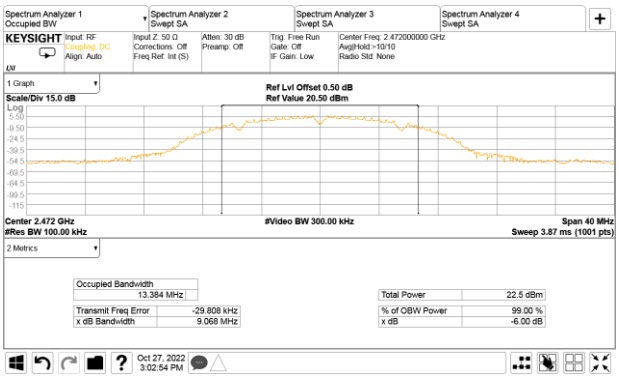
A.3.2 Measurement Plots

- DTS (6dB) Bandwidth

802.11b	
AUX	Main
	
	
	
	

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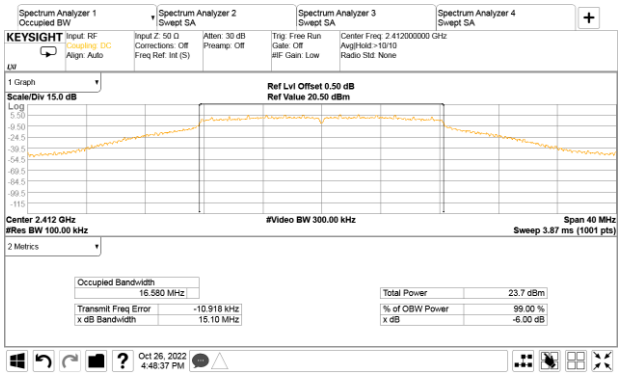
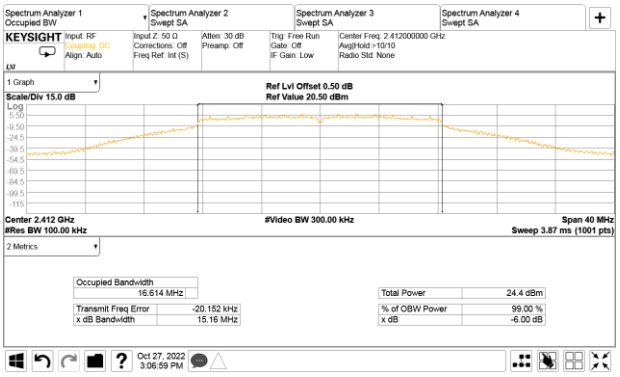
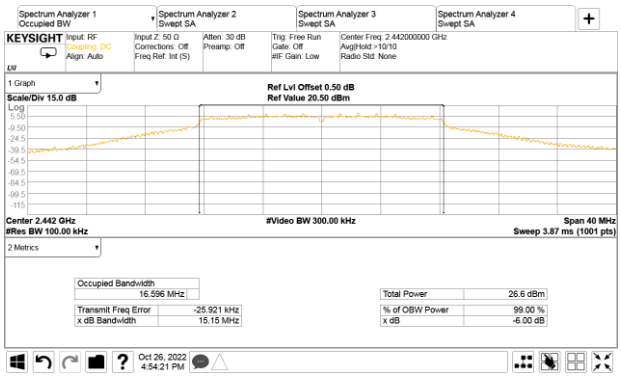
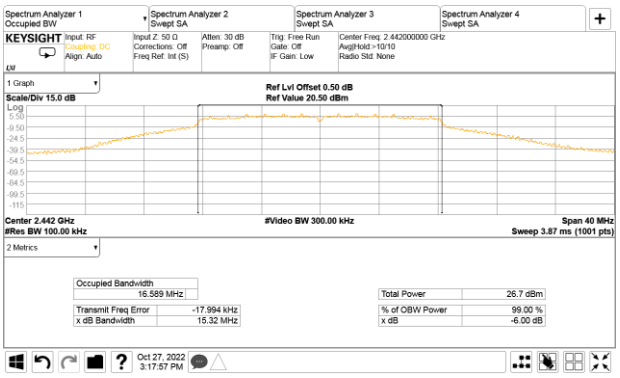
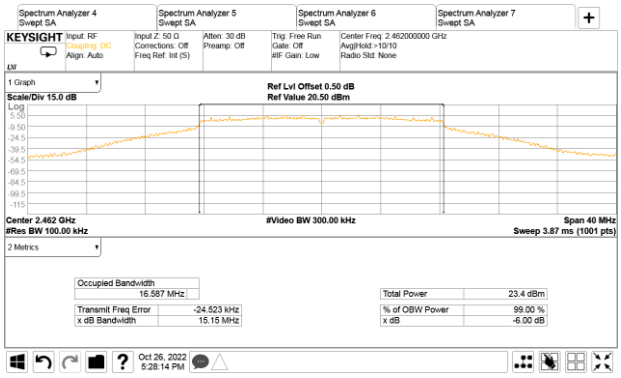
802.11g	
AUX	Main

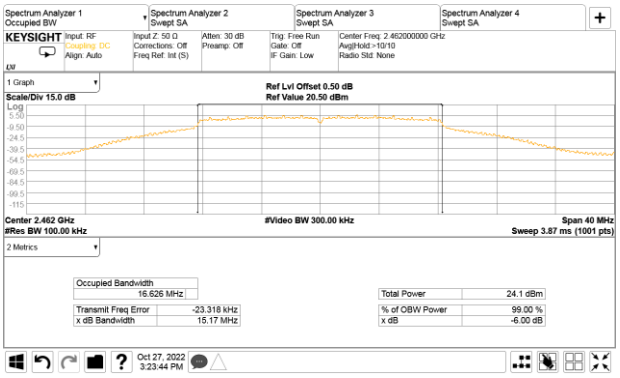


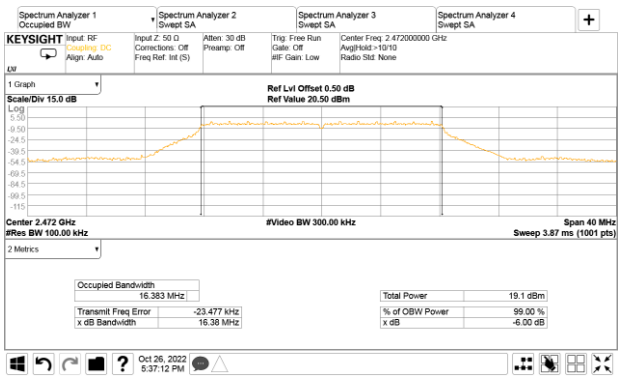


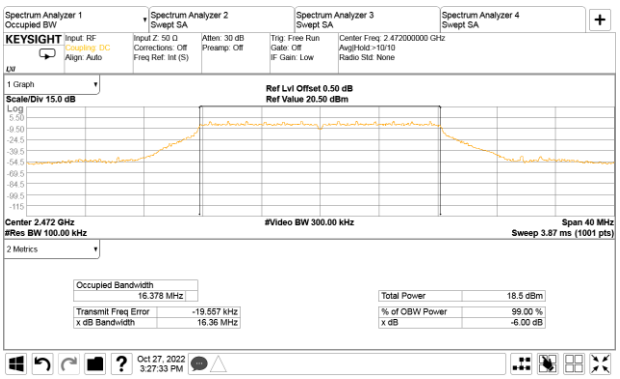












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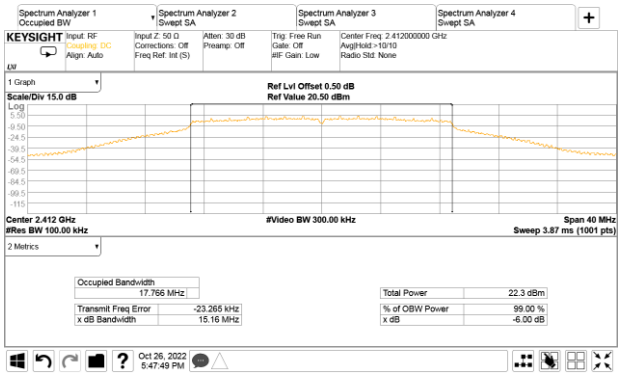
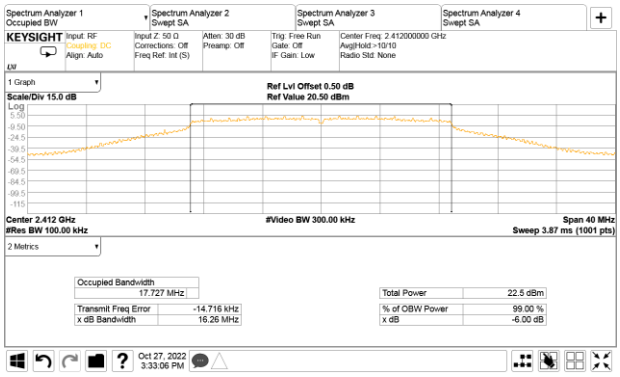
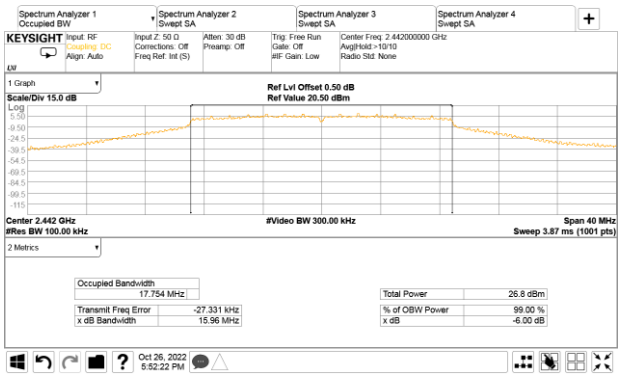
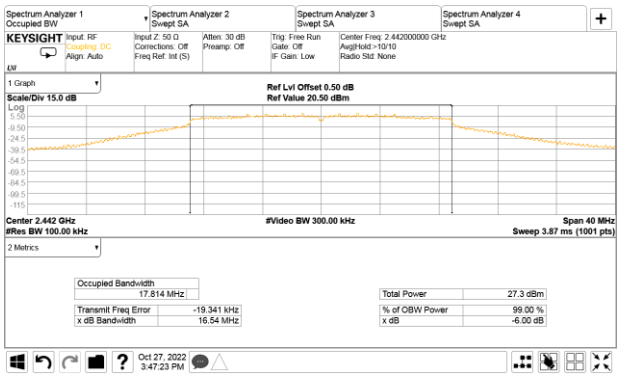
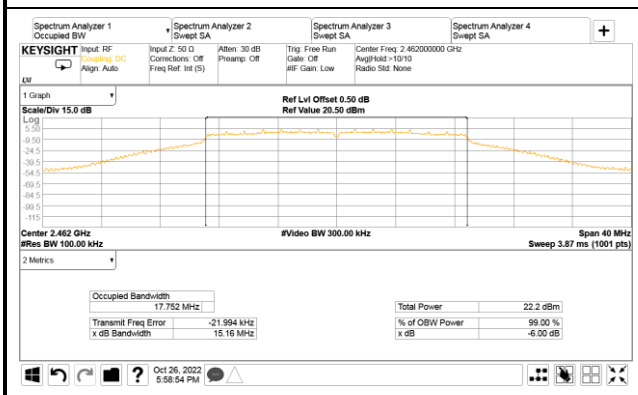
802.11n-HT20	
AUX	Main

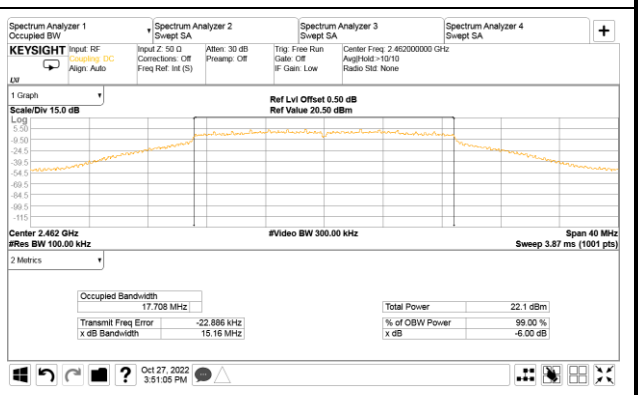


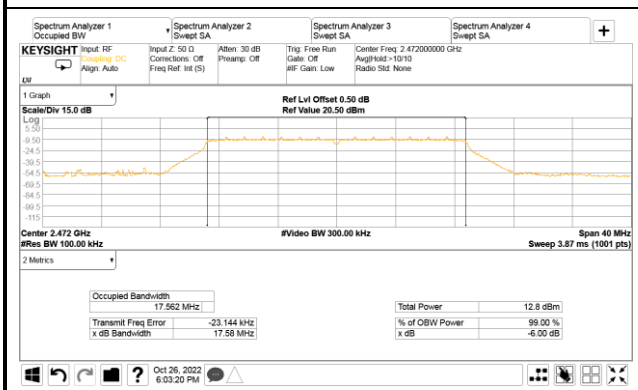


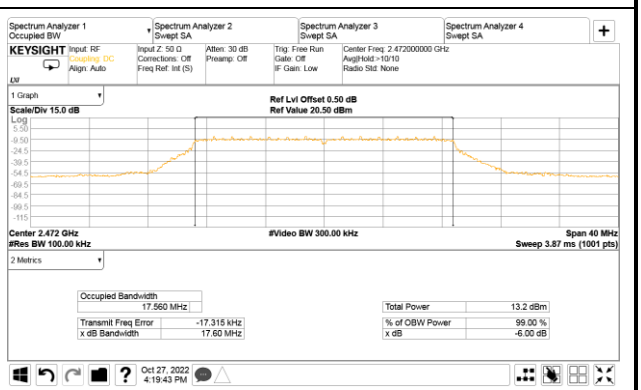












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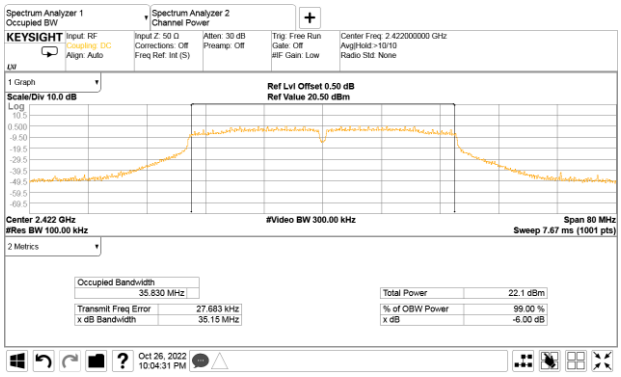
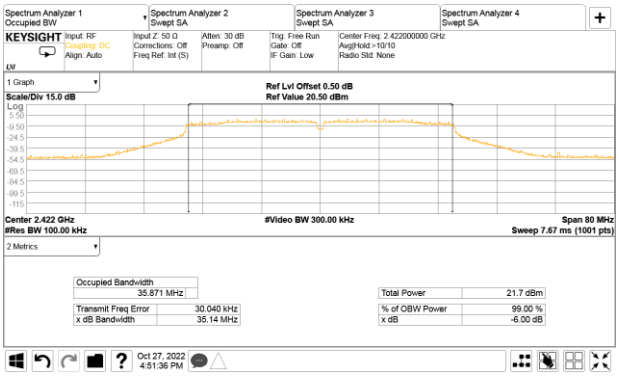
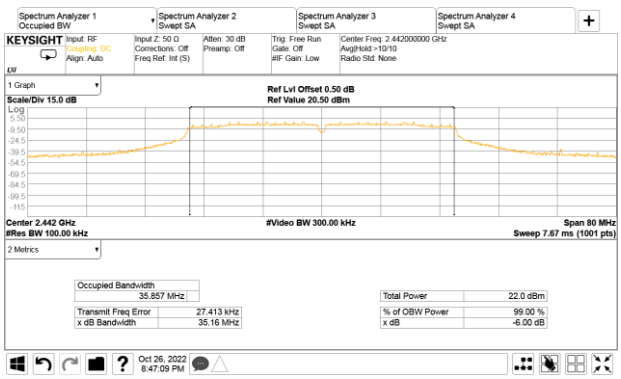
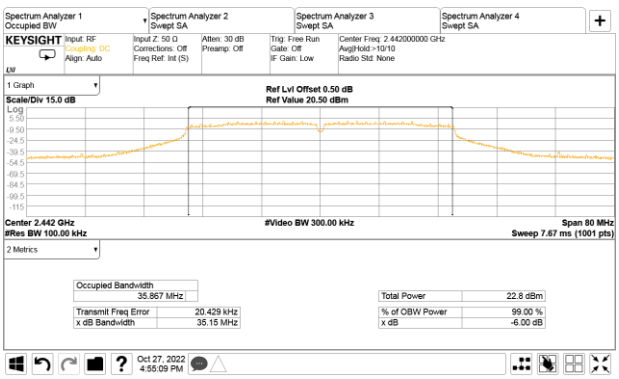
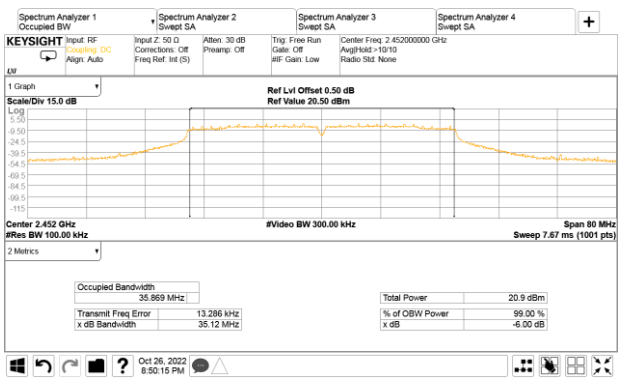
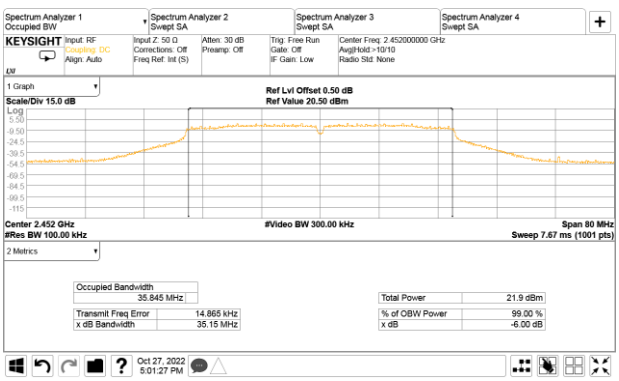
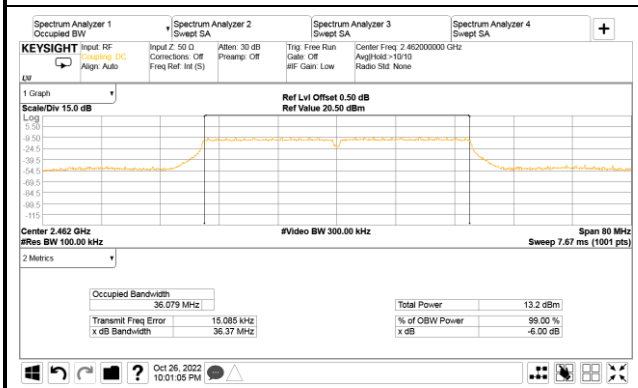
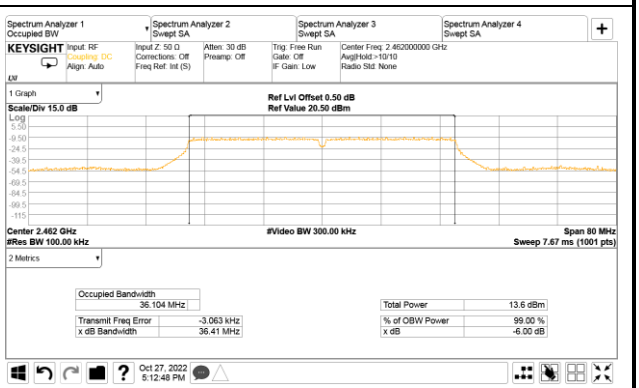
802.11n-HT40	
AUX	Main
	
	
	
	

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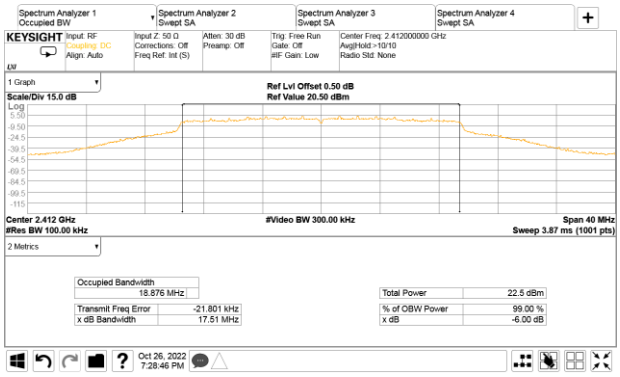
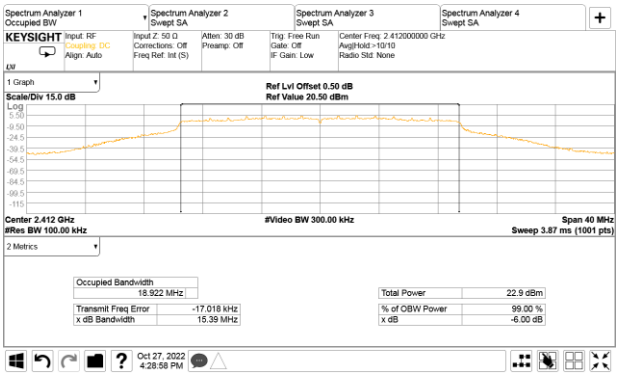
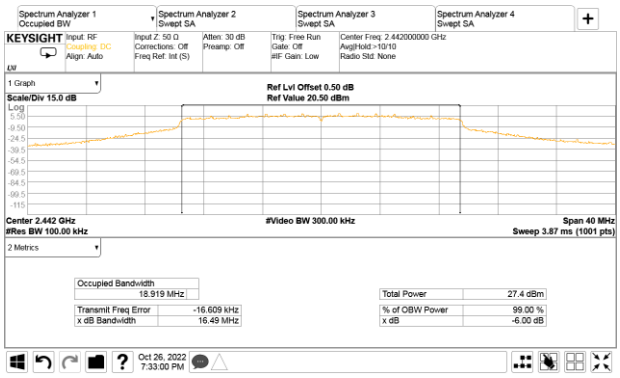
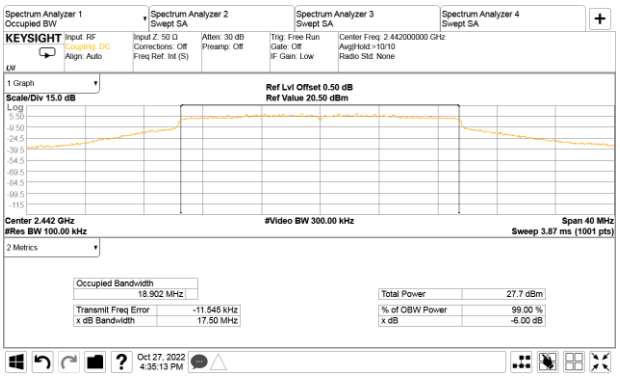
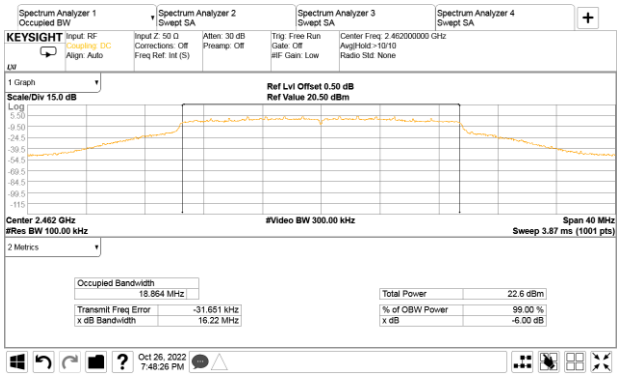
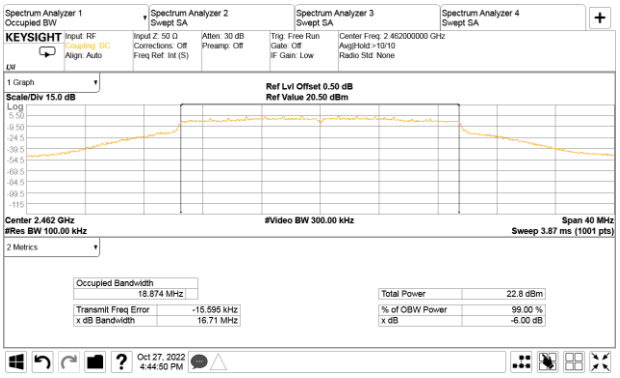
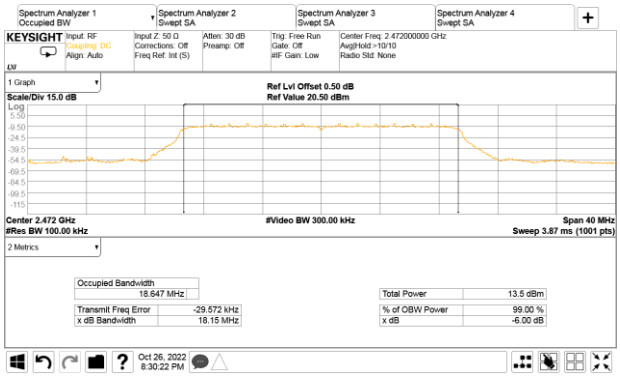
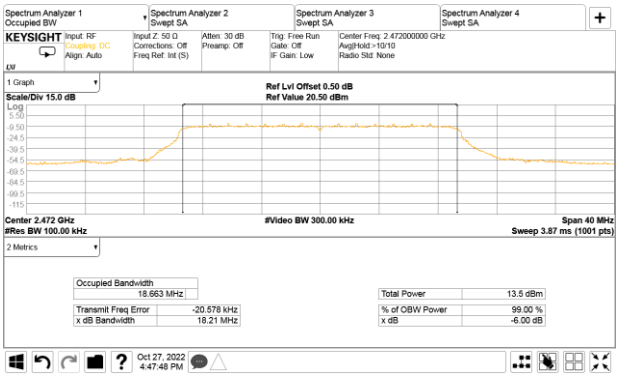
802.11ax-HE20

AUX	Main
	
	
	
	

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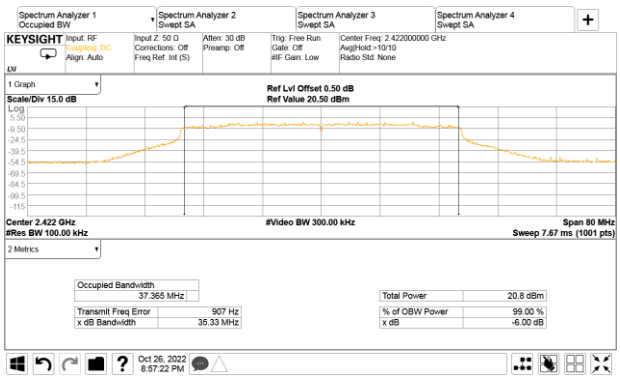
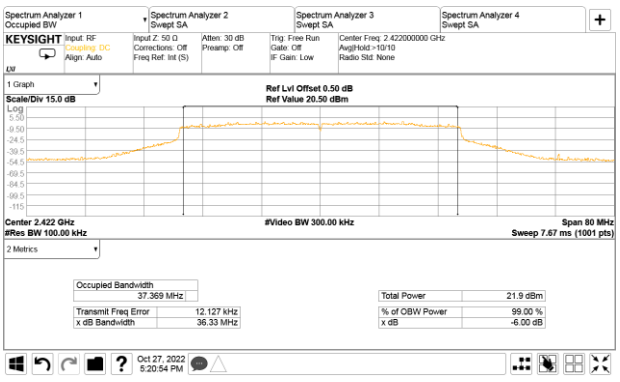
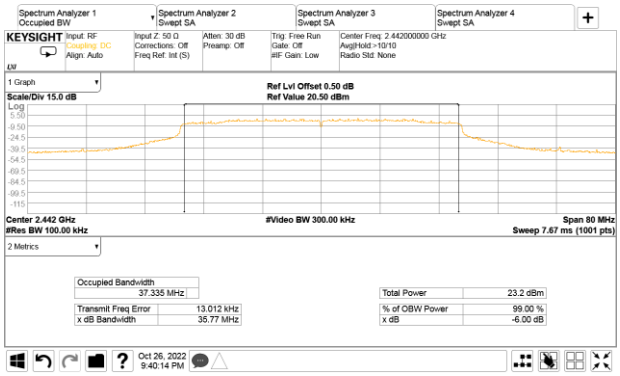
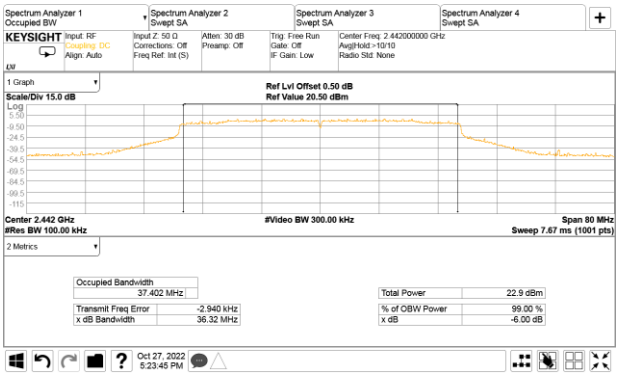
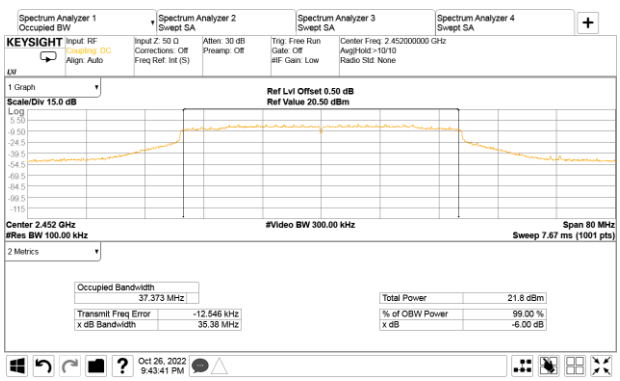
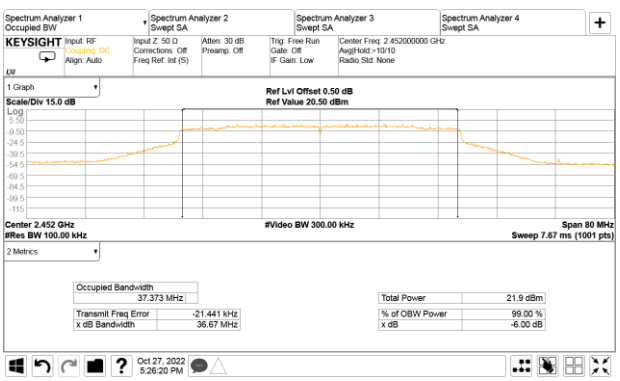
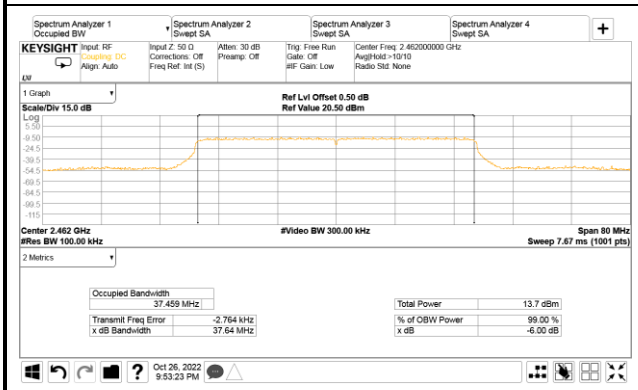
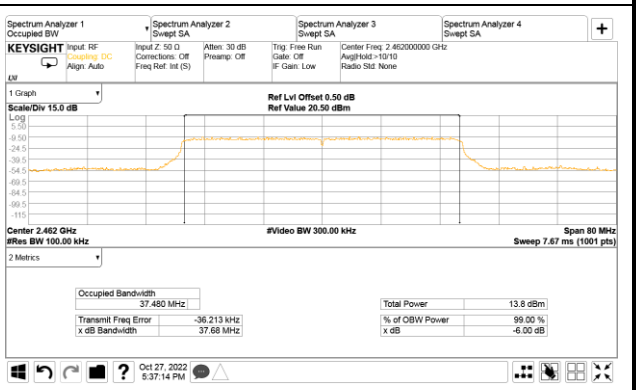
802.11ax-HE40

AUX	Main
	
	
	
	

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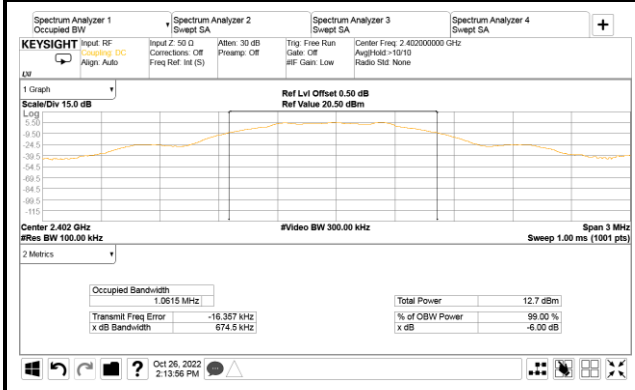
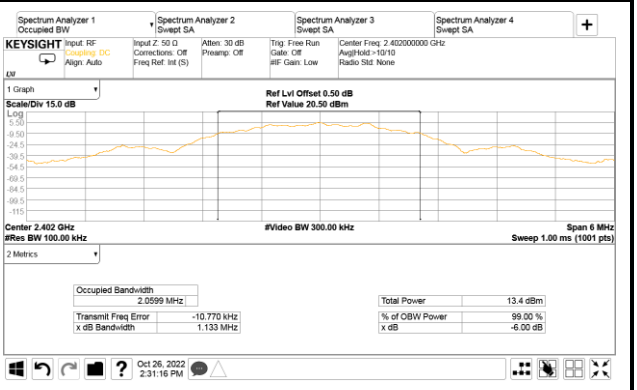
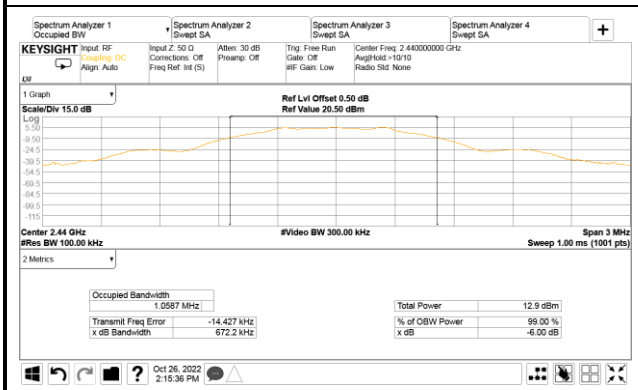
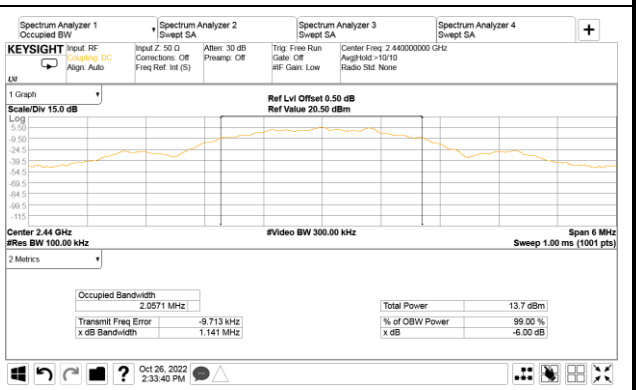
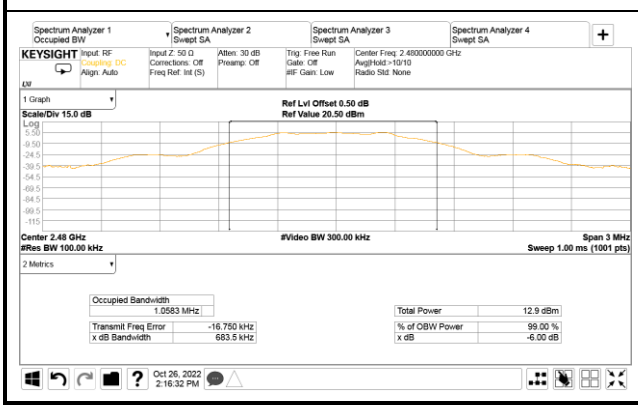
BLE	
1Mbps	2Mbps

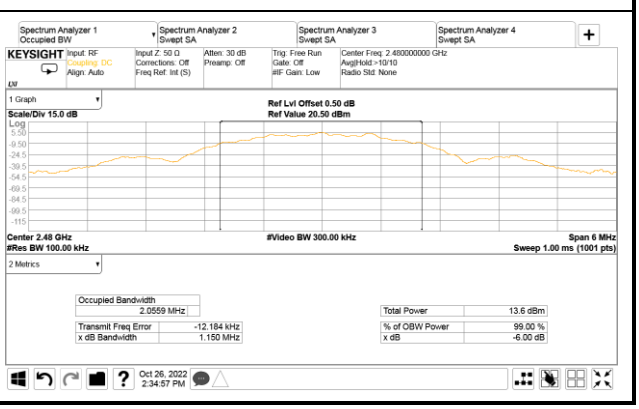












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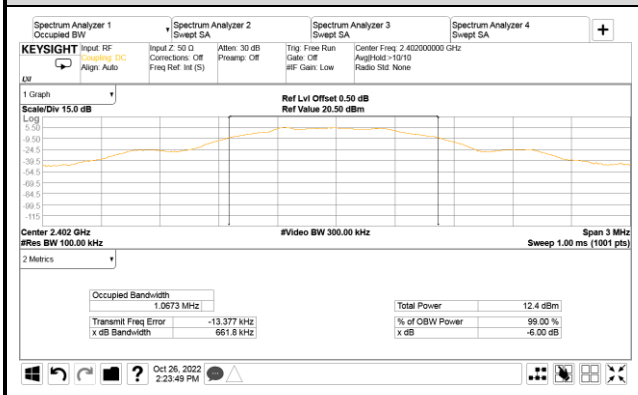
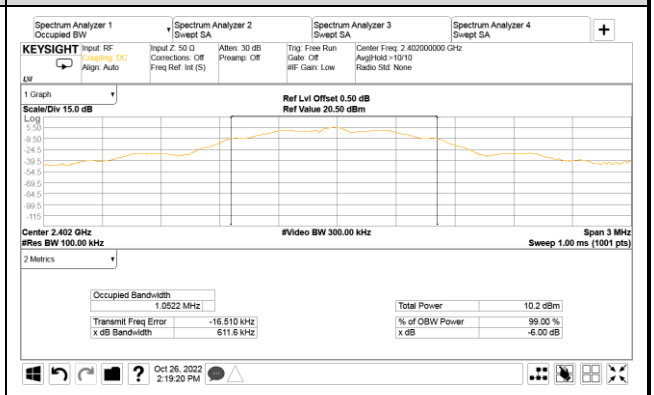
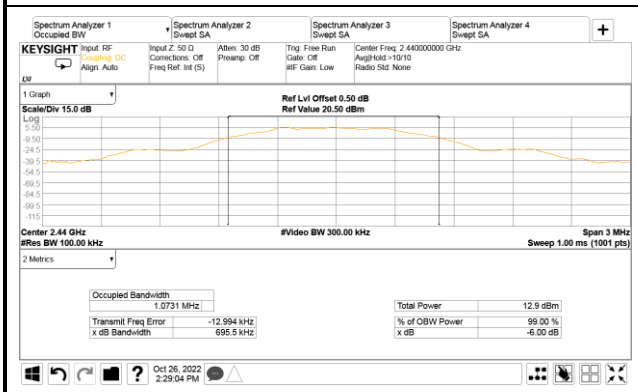
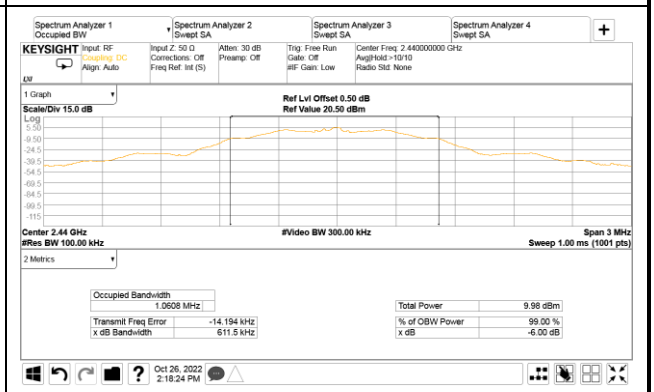
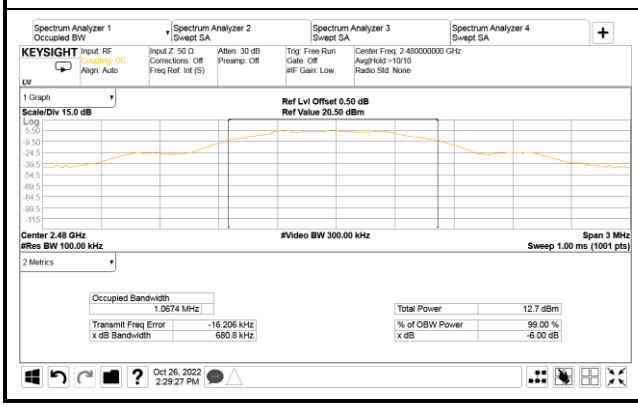
BLE	
PHY Coded S2	PHY Coded S8

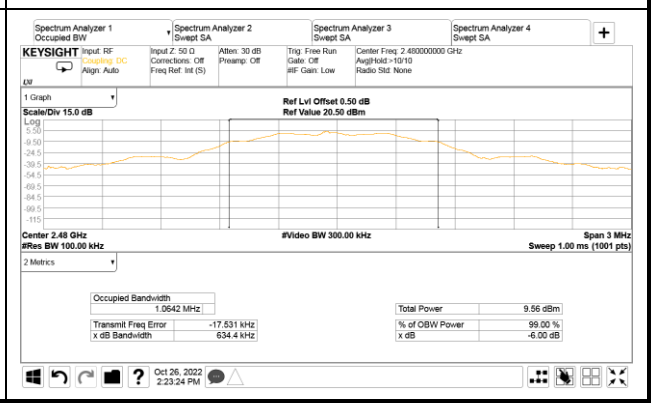












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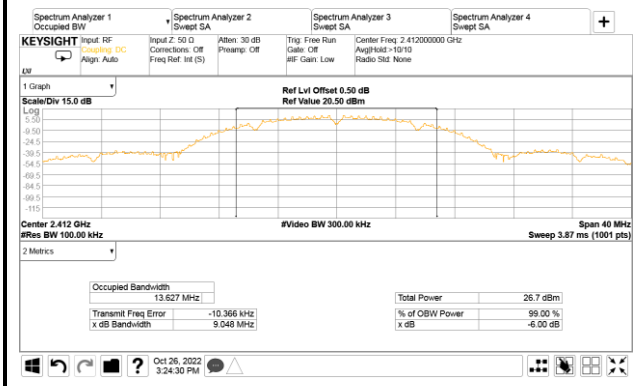
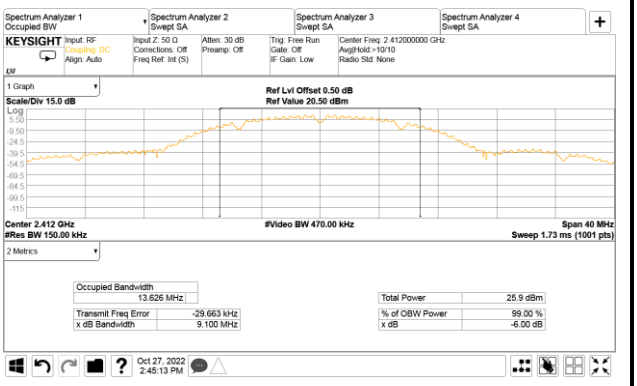
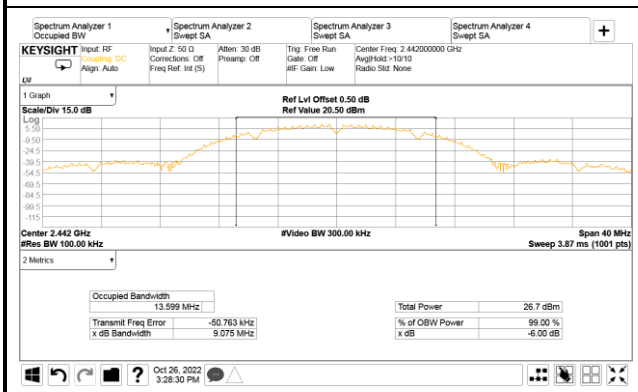
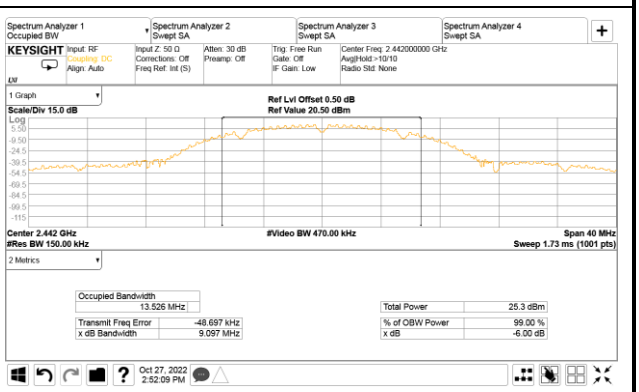
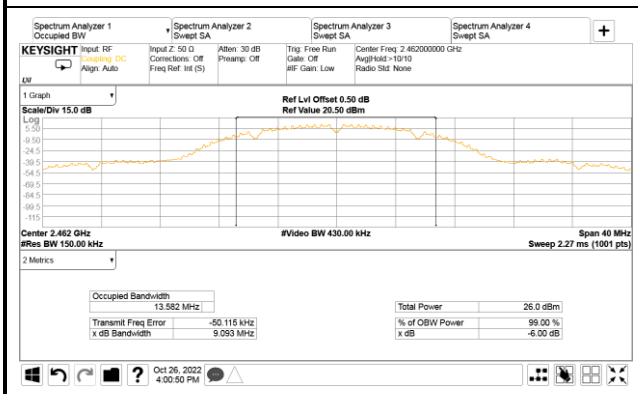
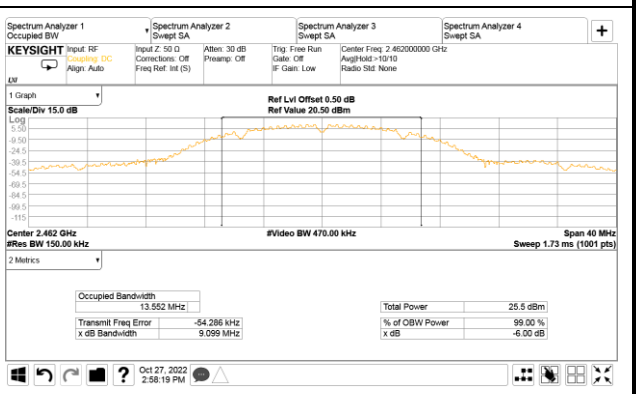
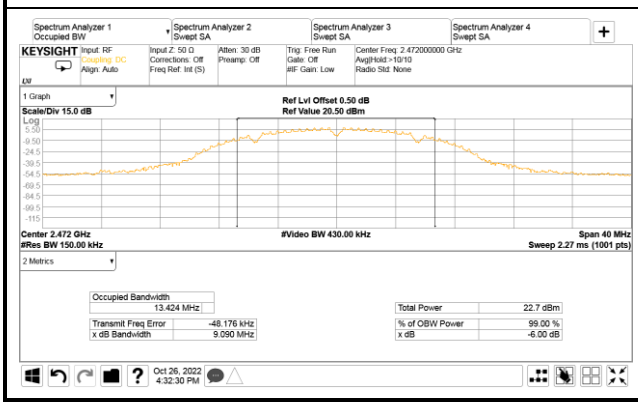
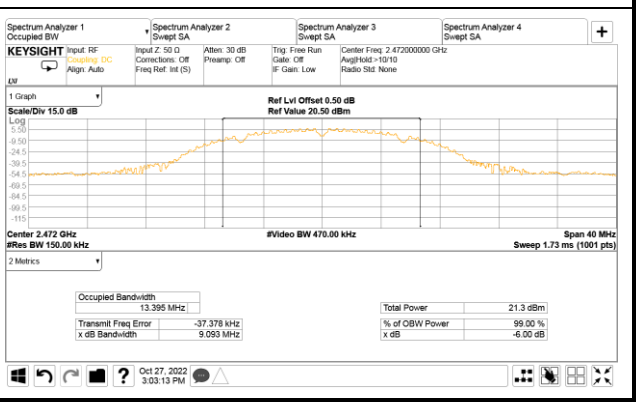
- Occupied (99%) Bandwidth

802.11b	
AUX	Main
	
	
	
	

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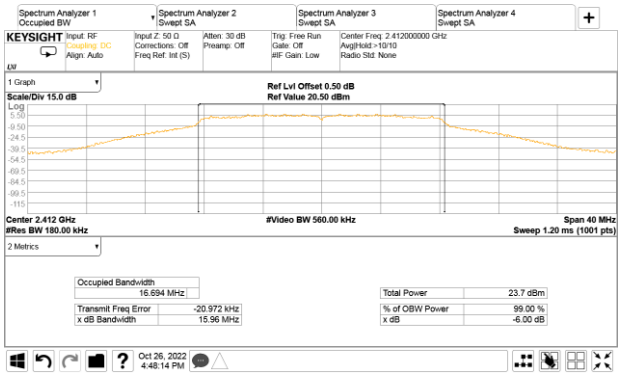
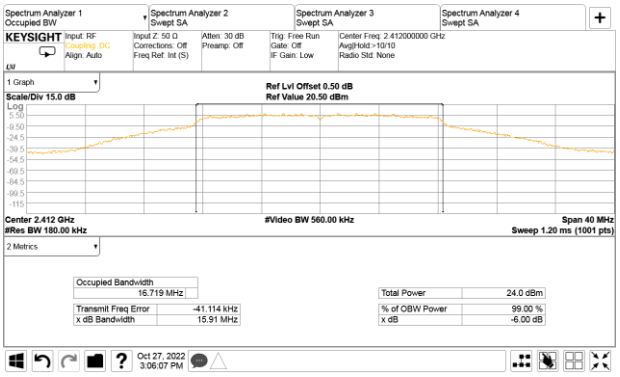
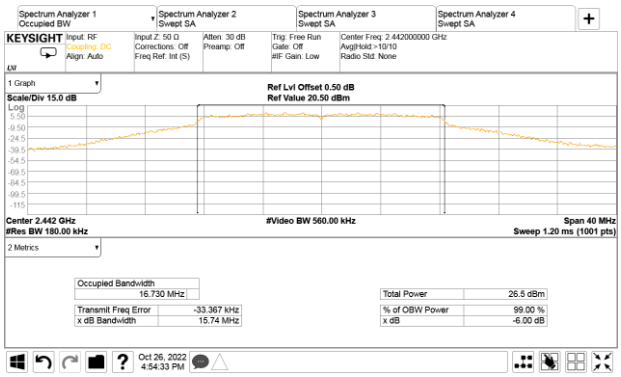
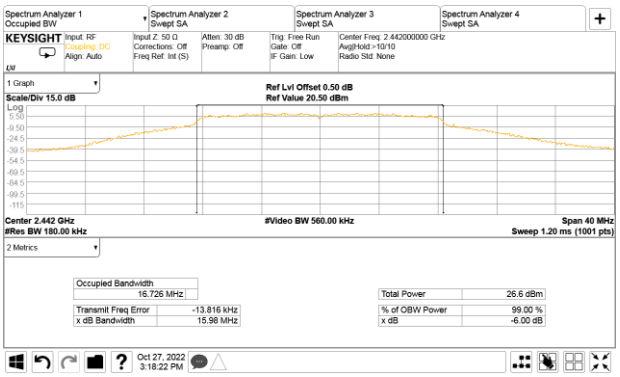
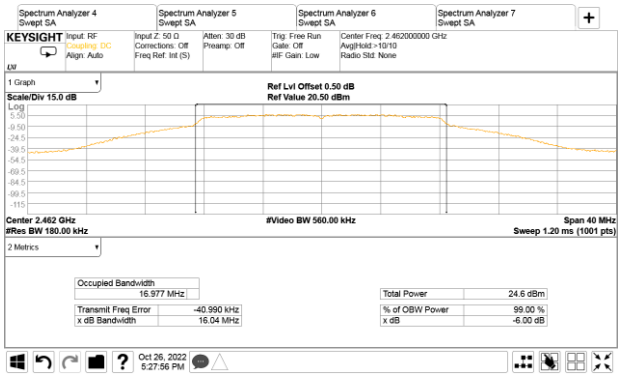
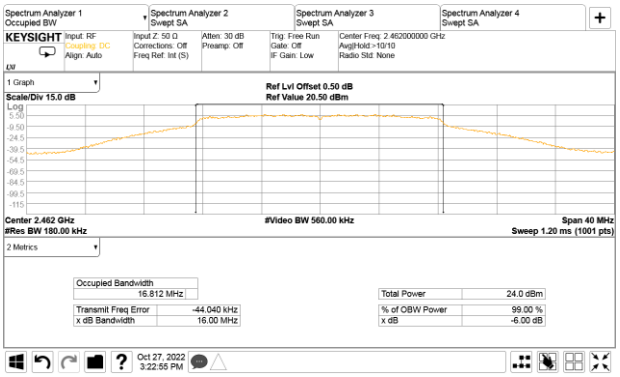
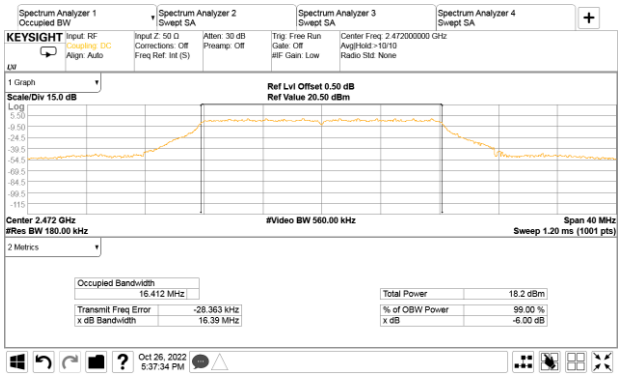
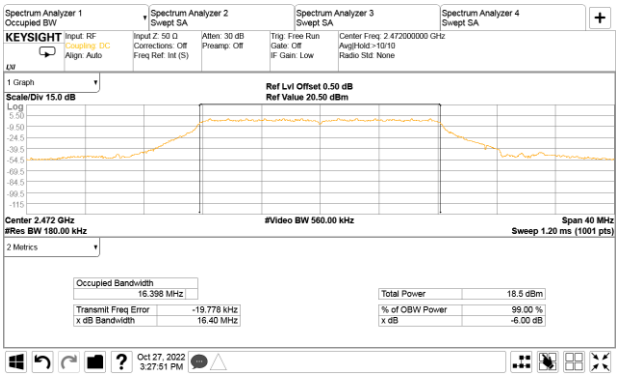
802.11g	
AUX	Main
	
	
	
	

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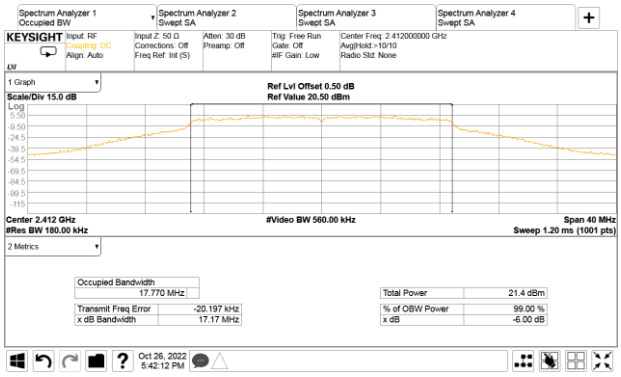
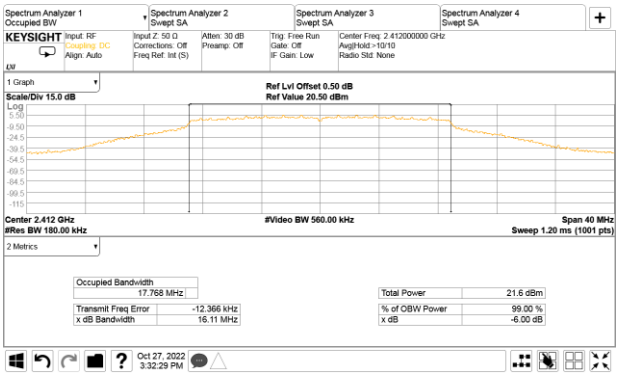
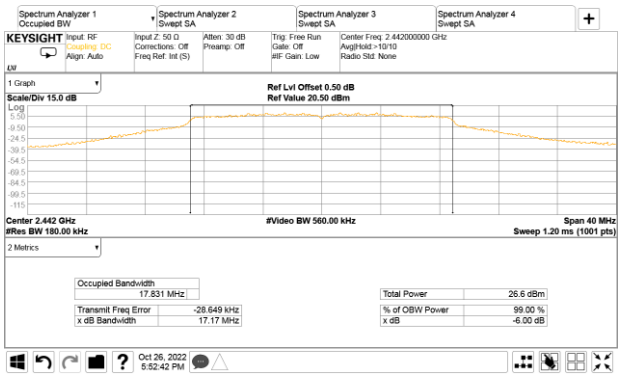
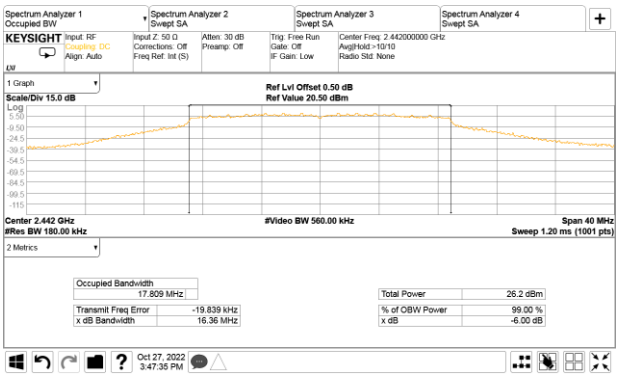
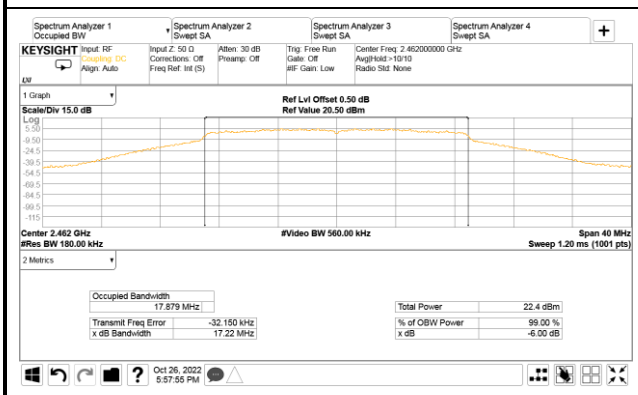
802.11n-HT20	
AUX	Main

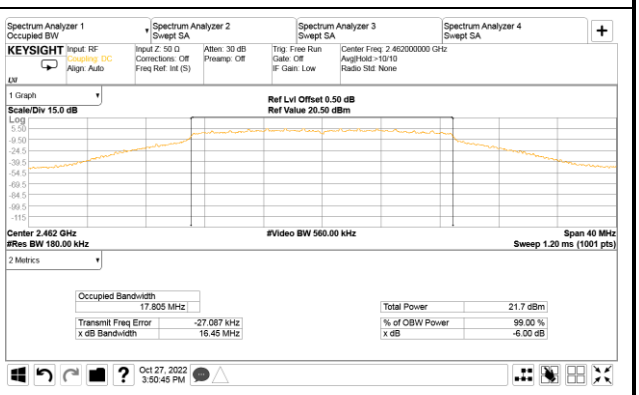


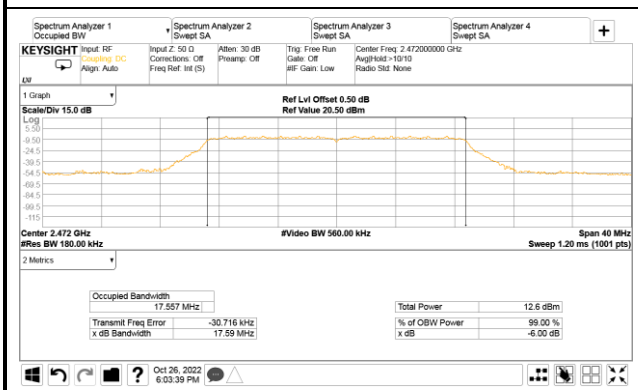


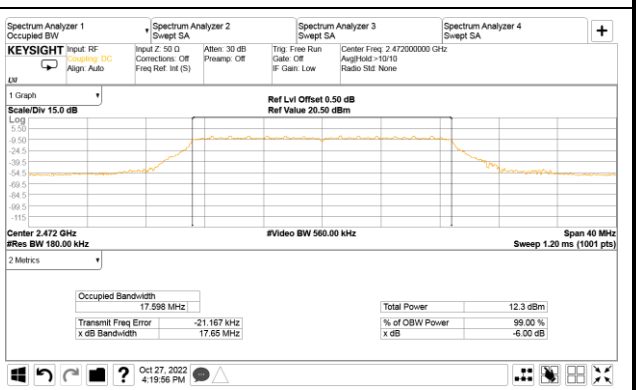












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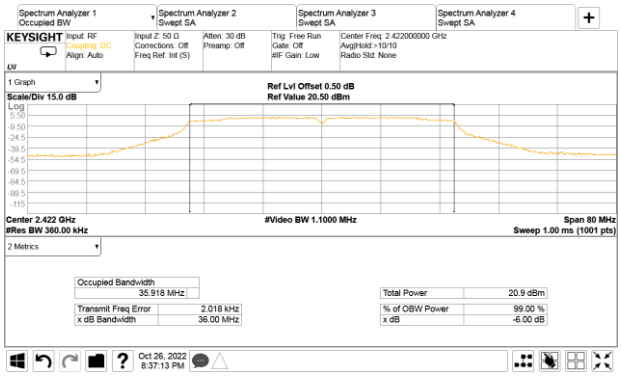
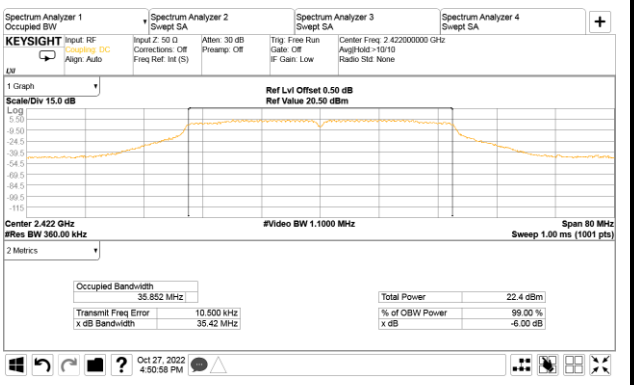
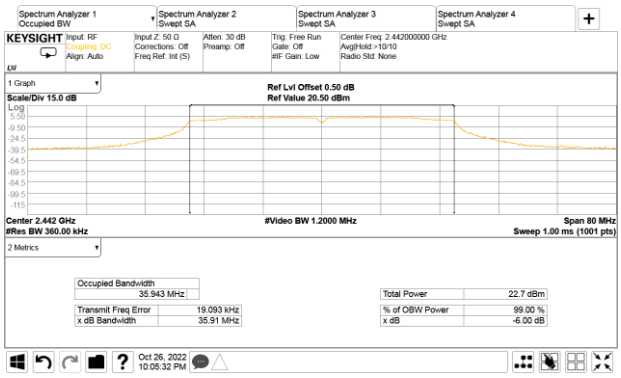
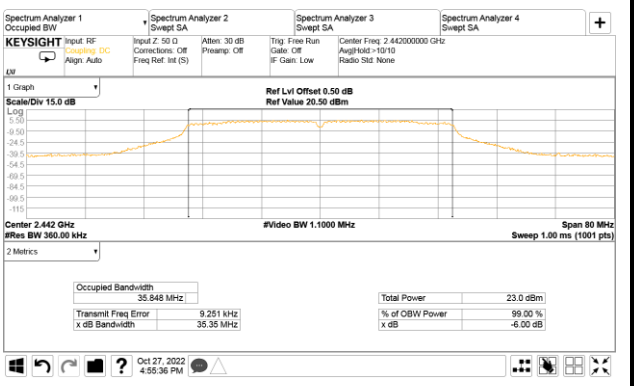
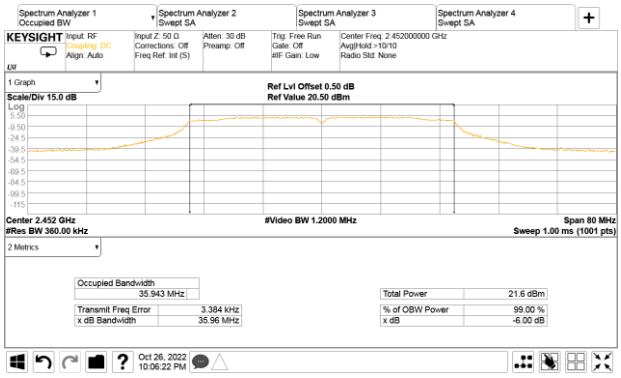
802.11n-HT40	
AUX	Main

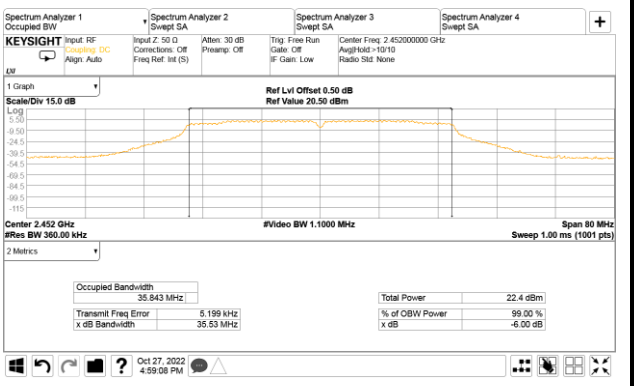


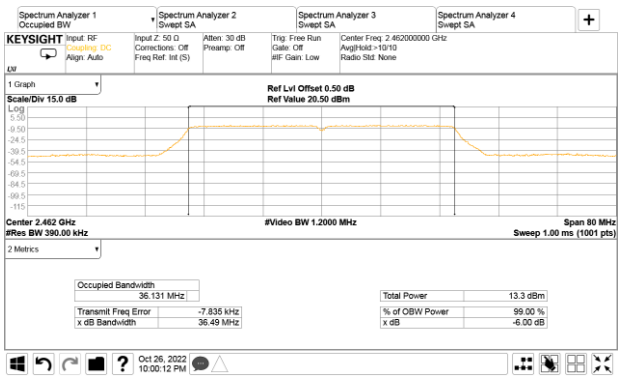


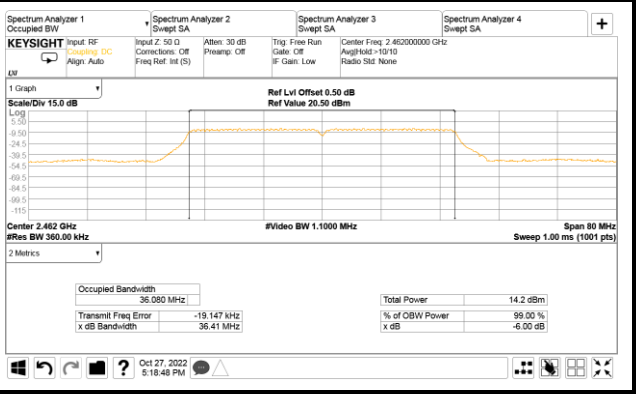












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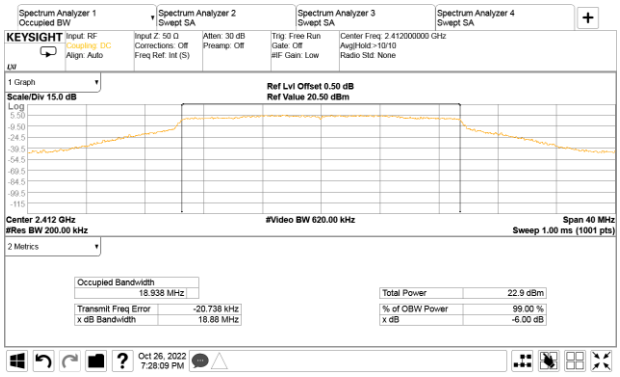
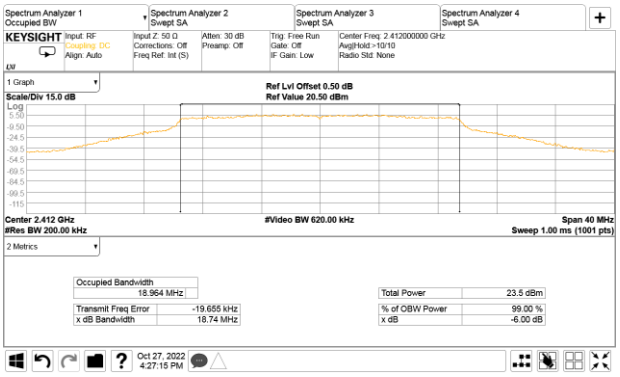
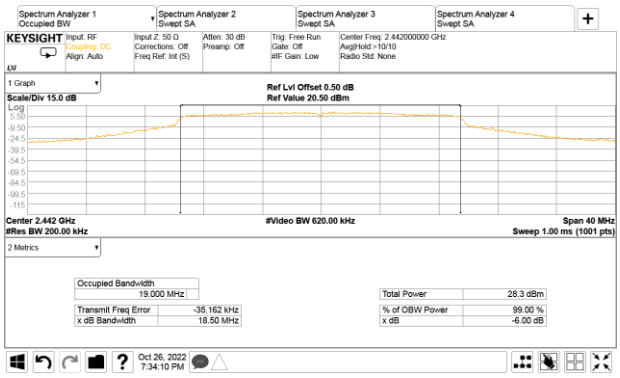
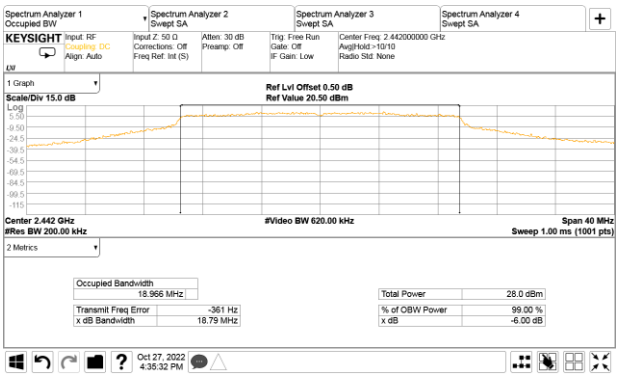
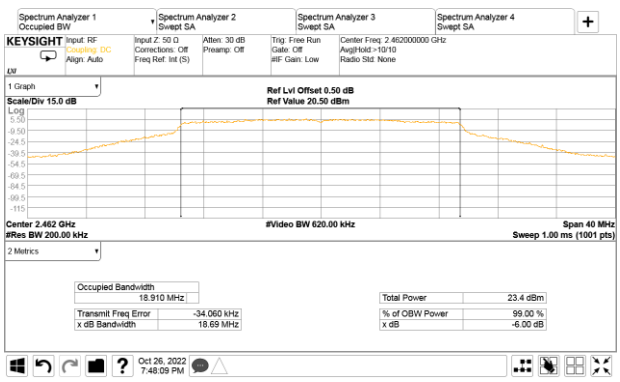
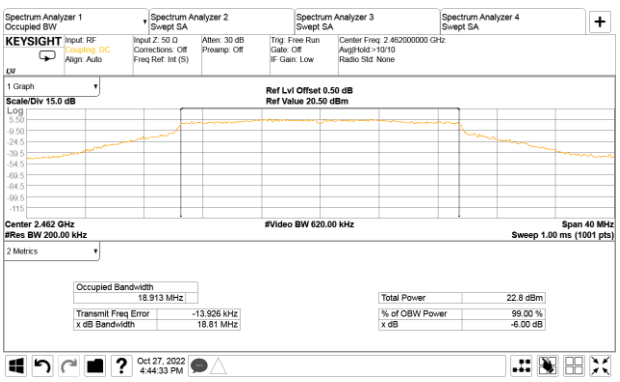
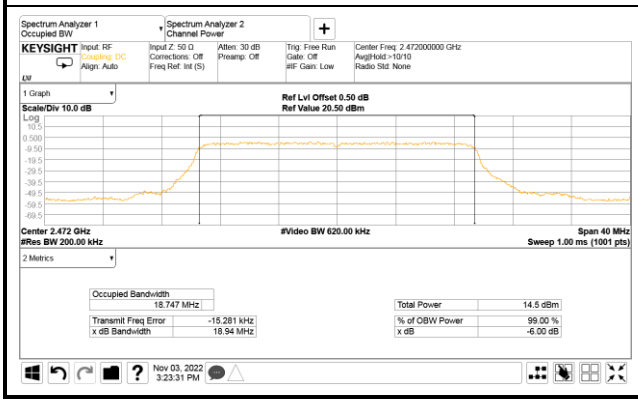
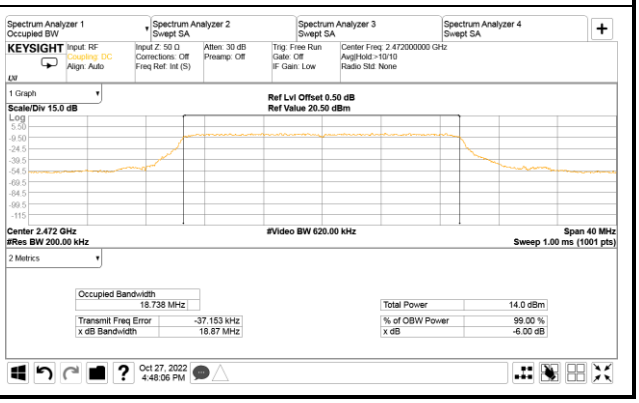
AUX	Main
	
	
	
	

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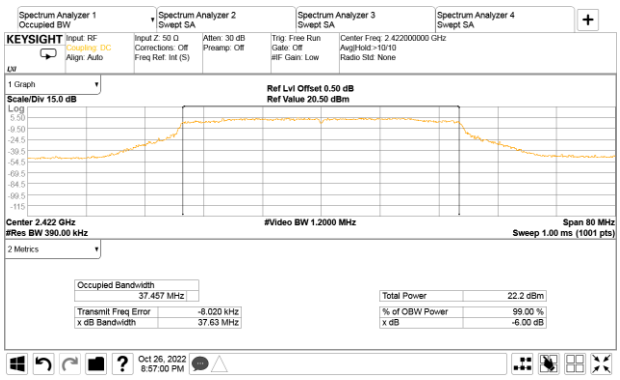
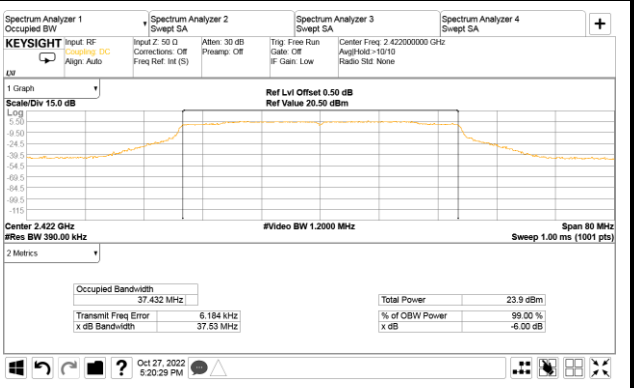
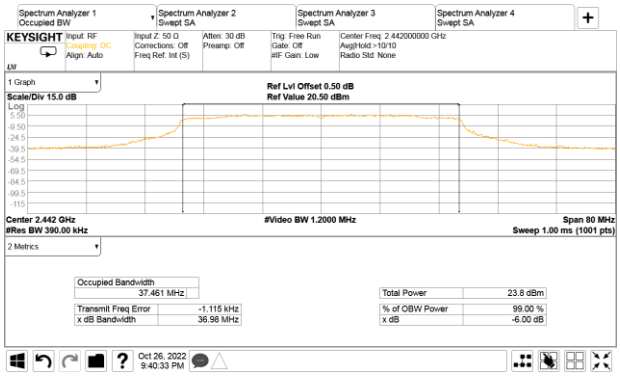
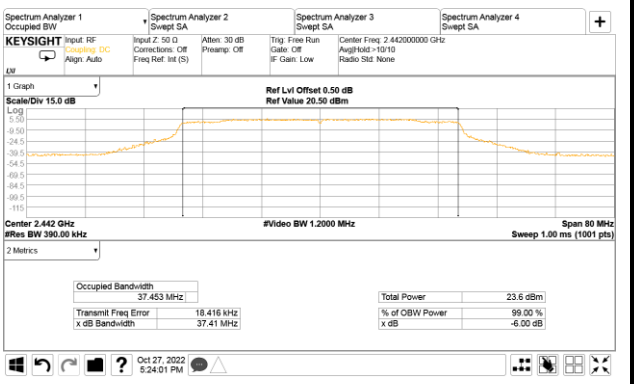
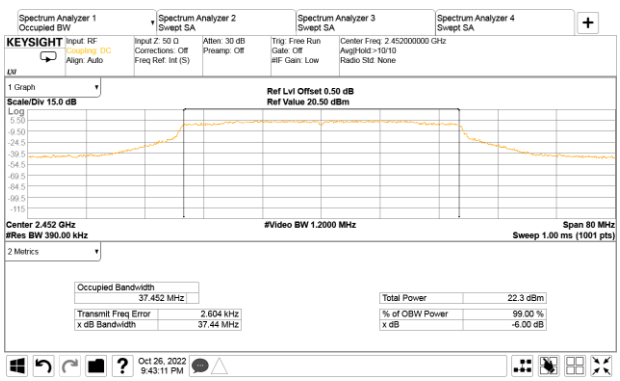
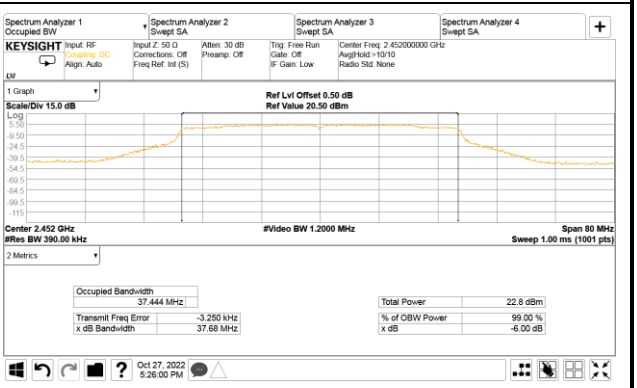
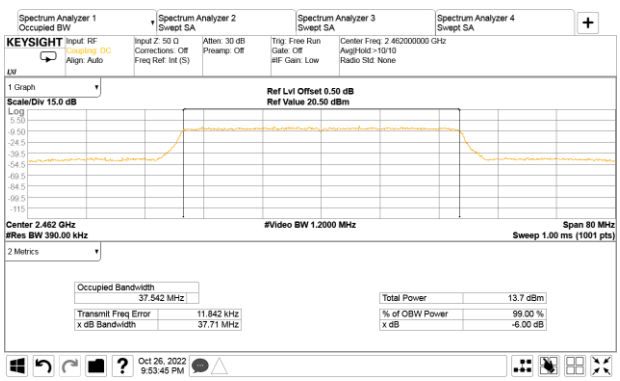
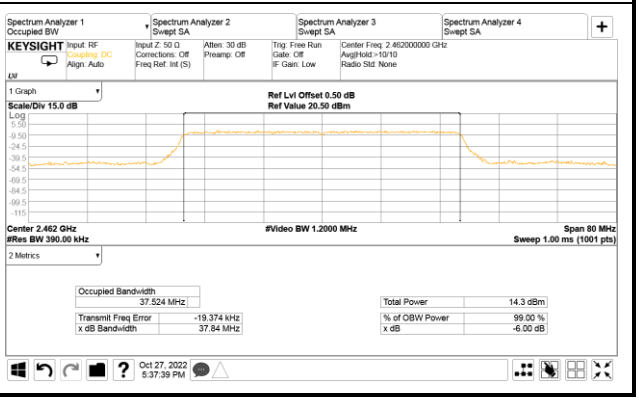
802.11ax-HE40

AUX	Main
	
	
	
	

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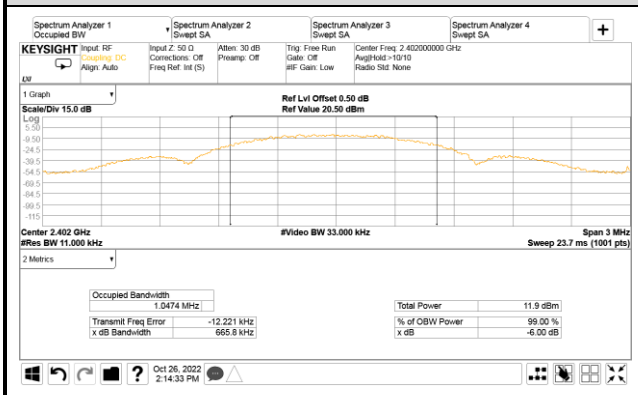
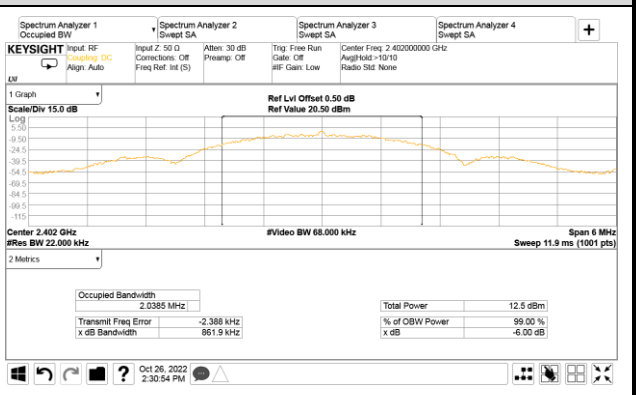
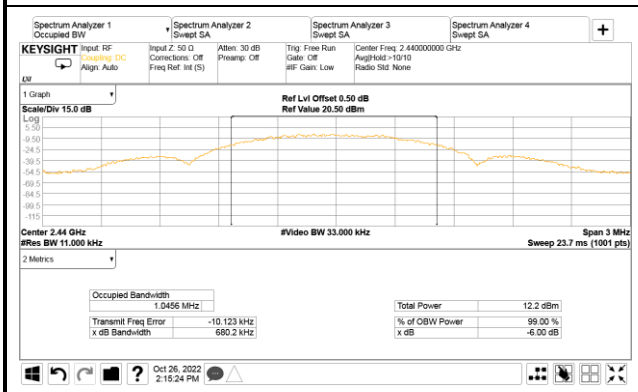
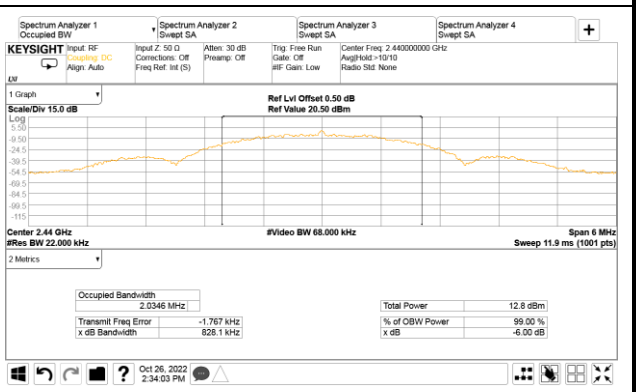
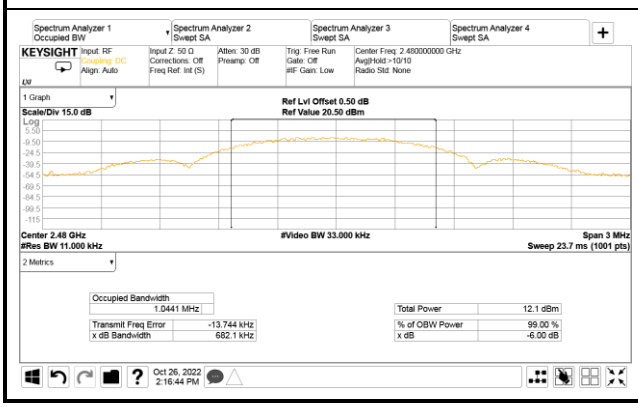
BLE	
1Mbps	2Mbps

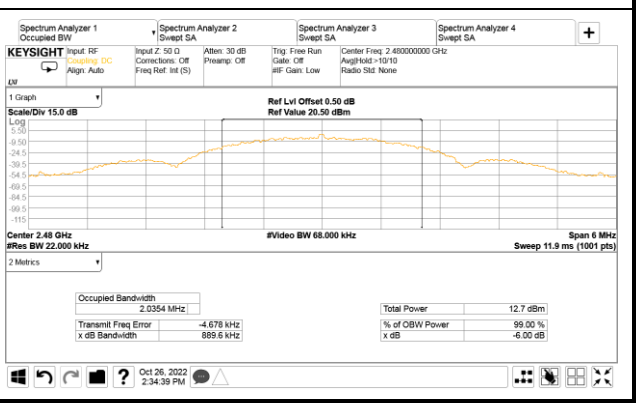












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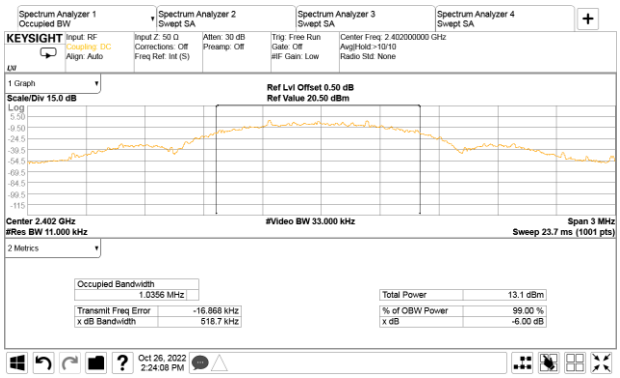
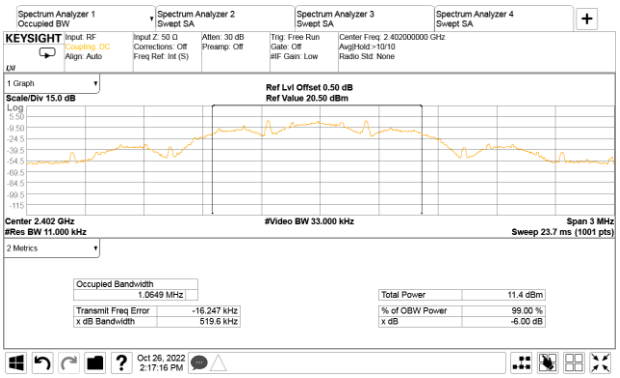
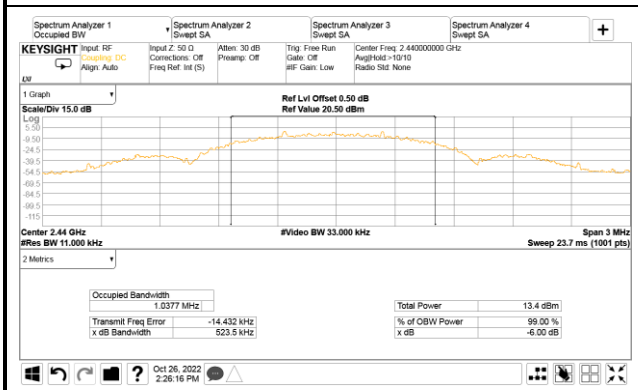
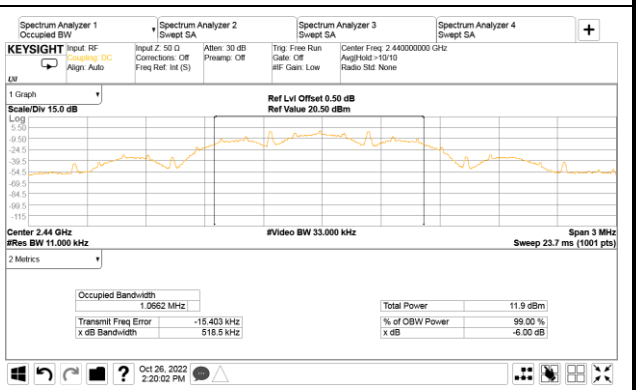
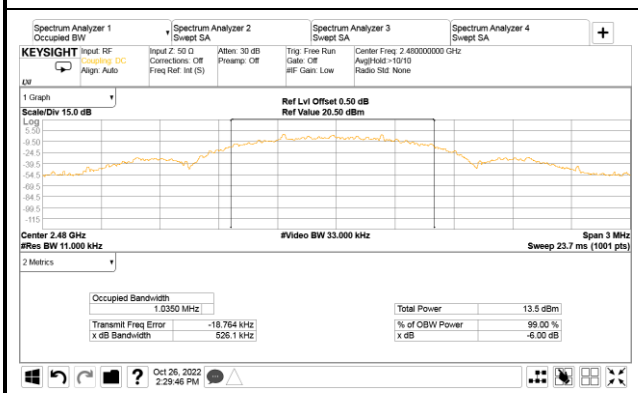
BLE	
PHY Coded S2	PHY Coded S8

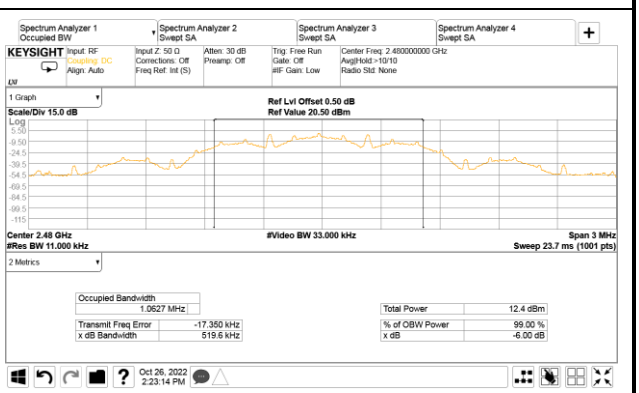












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