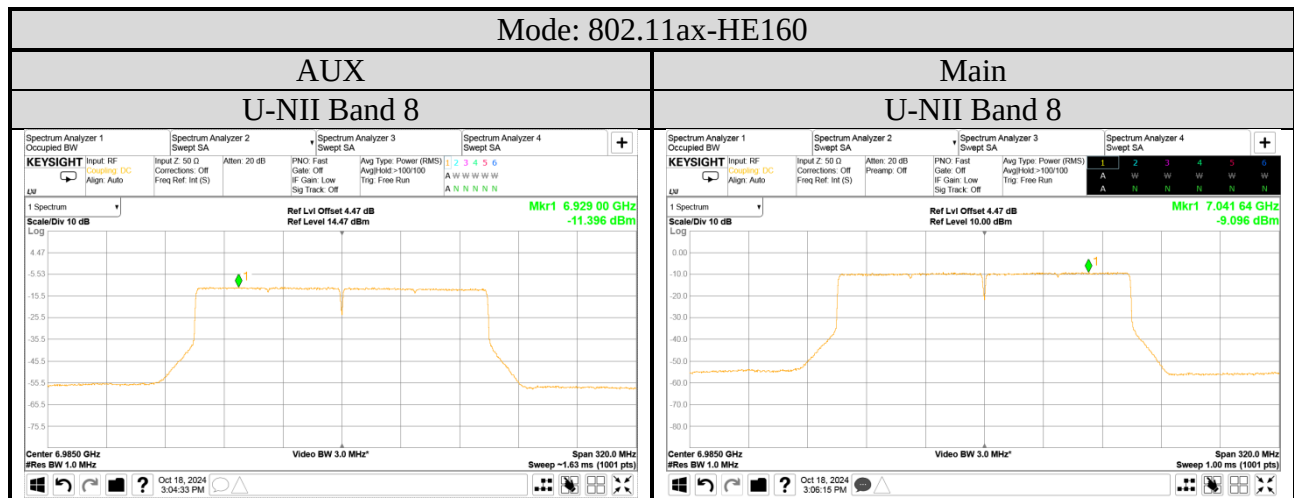
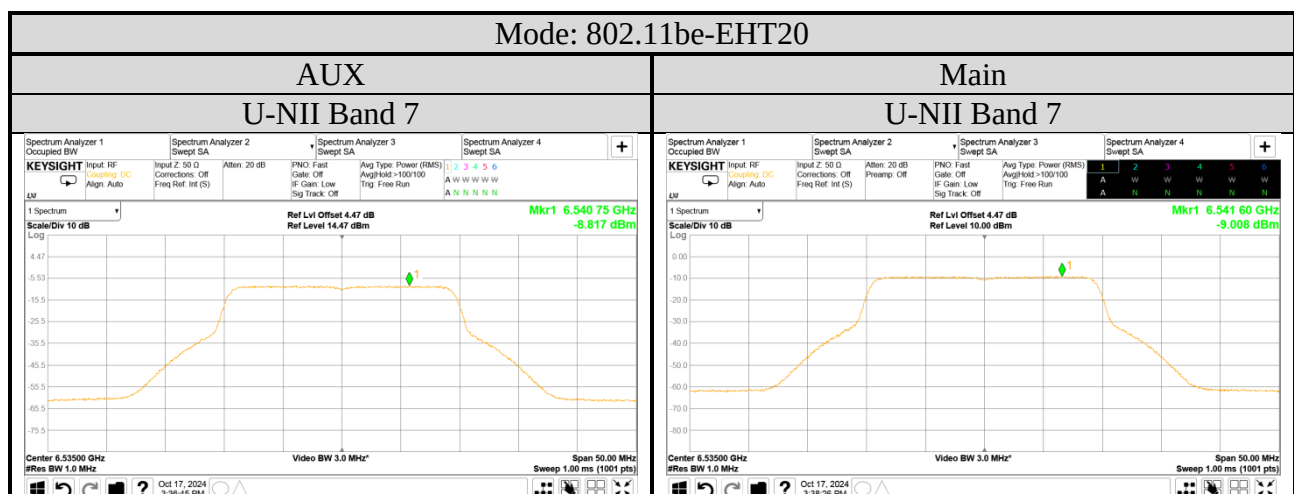
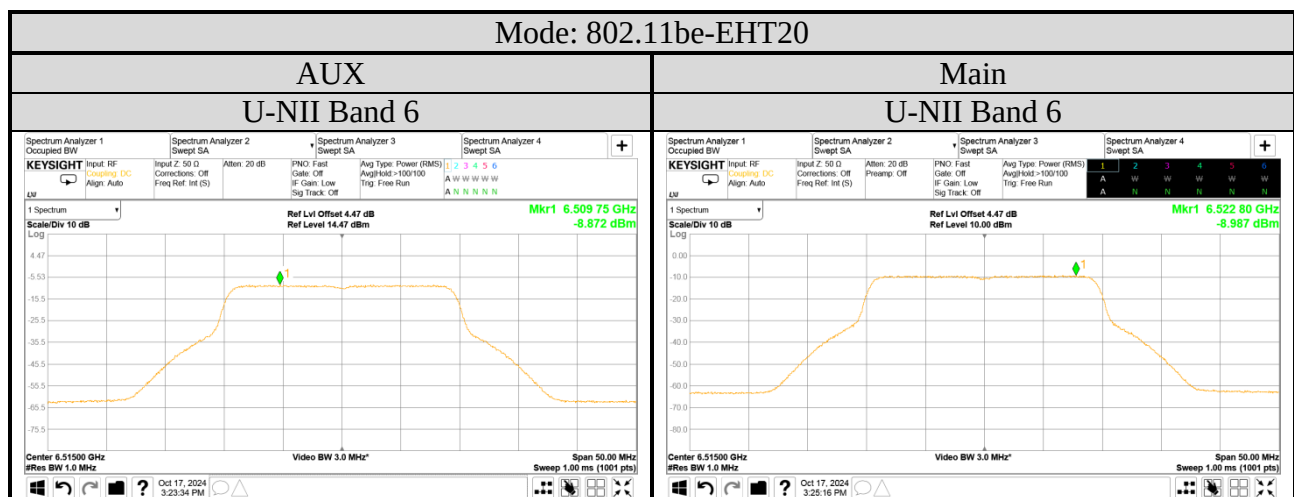
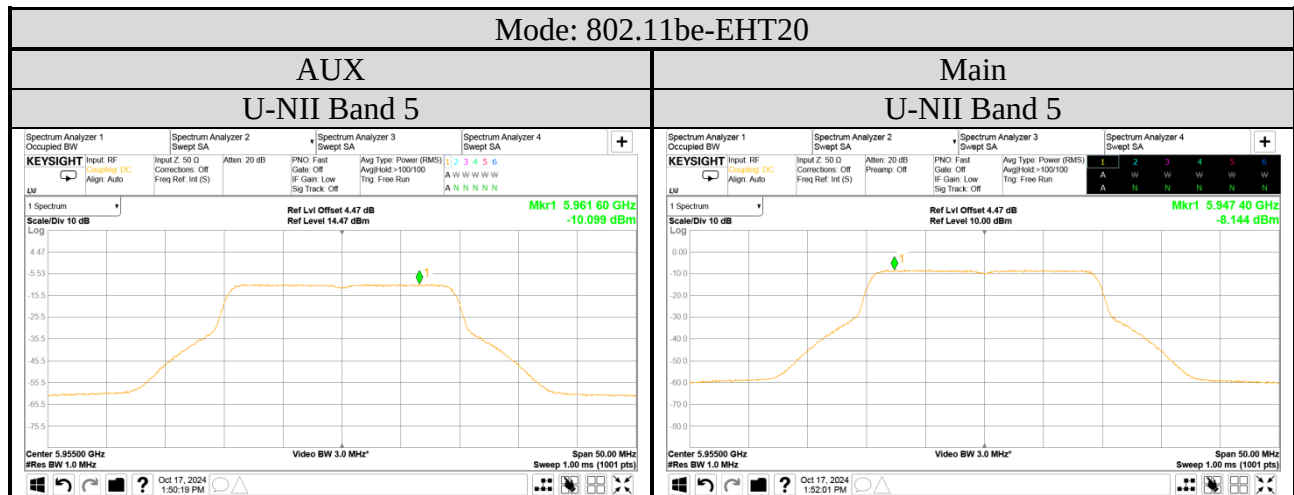


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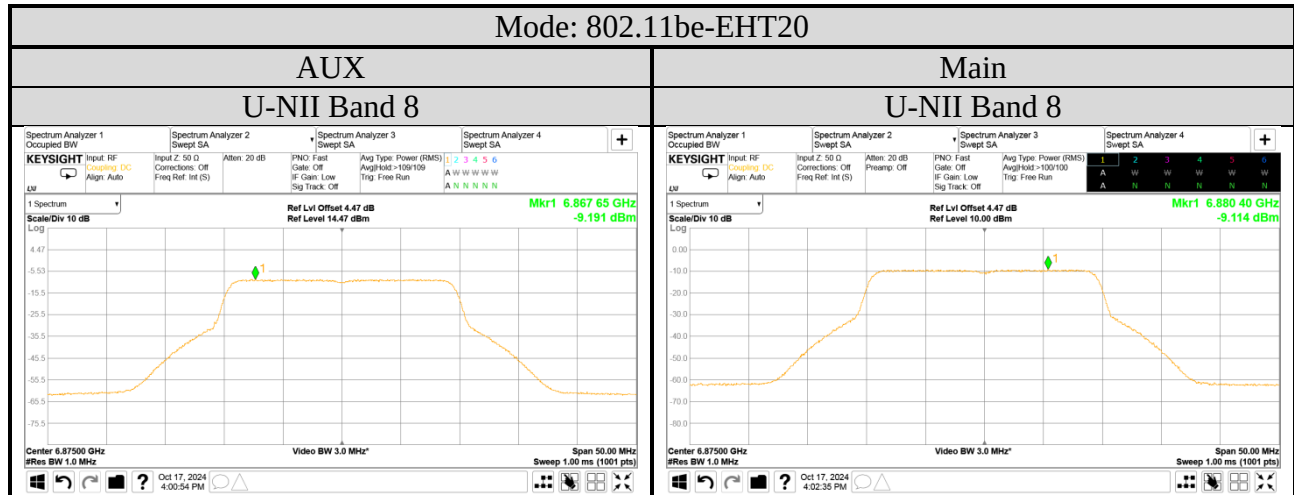
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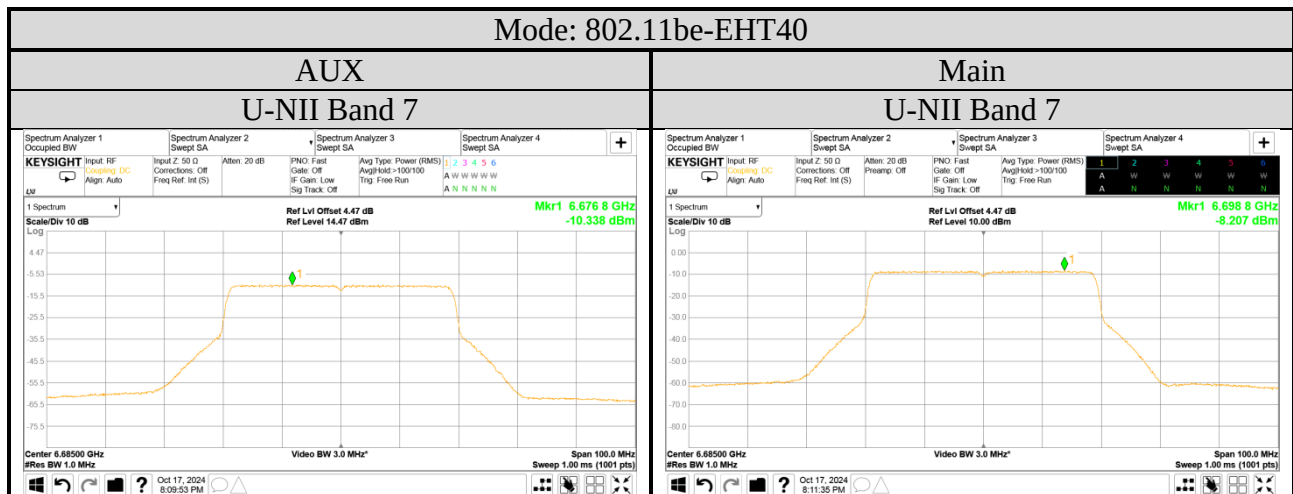
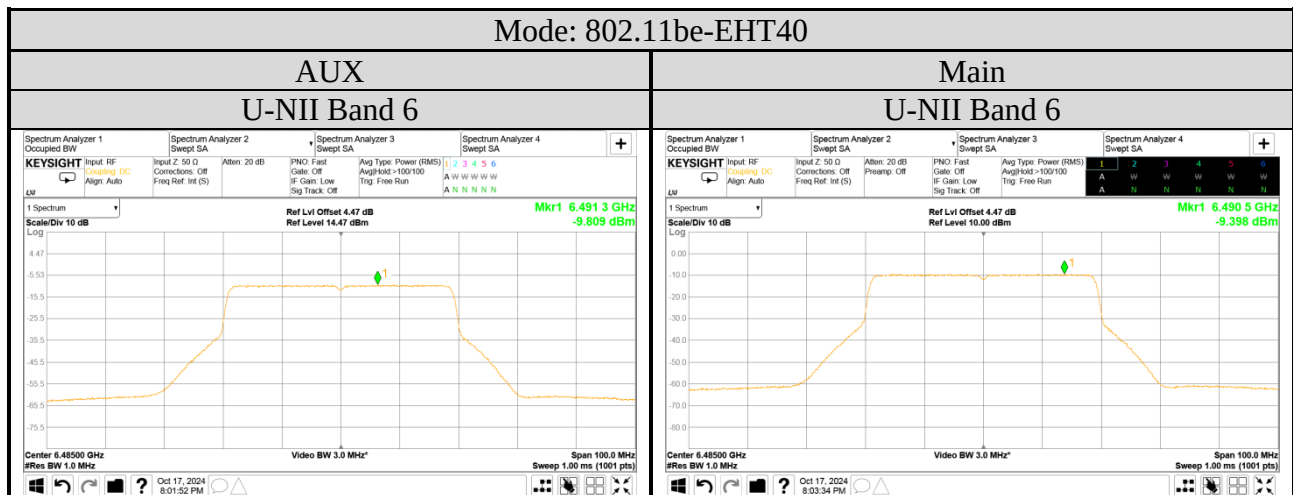
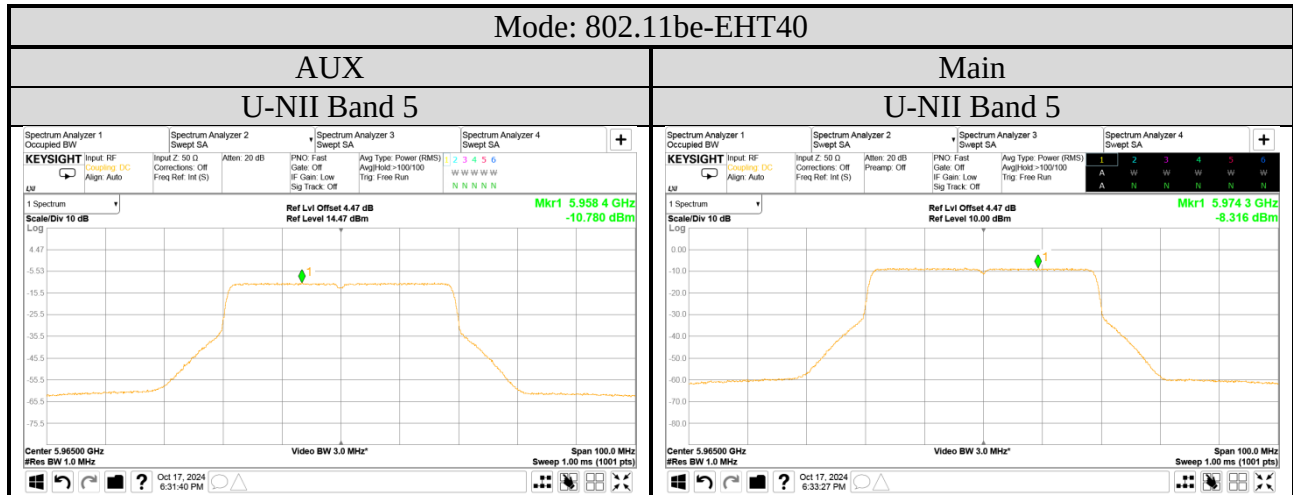
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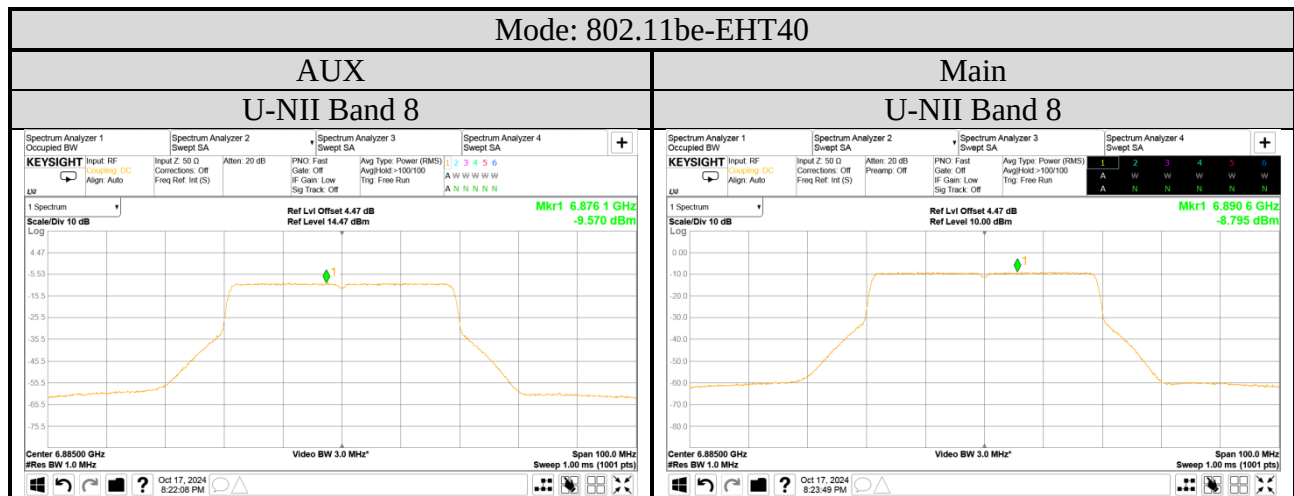
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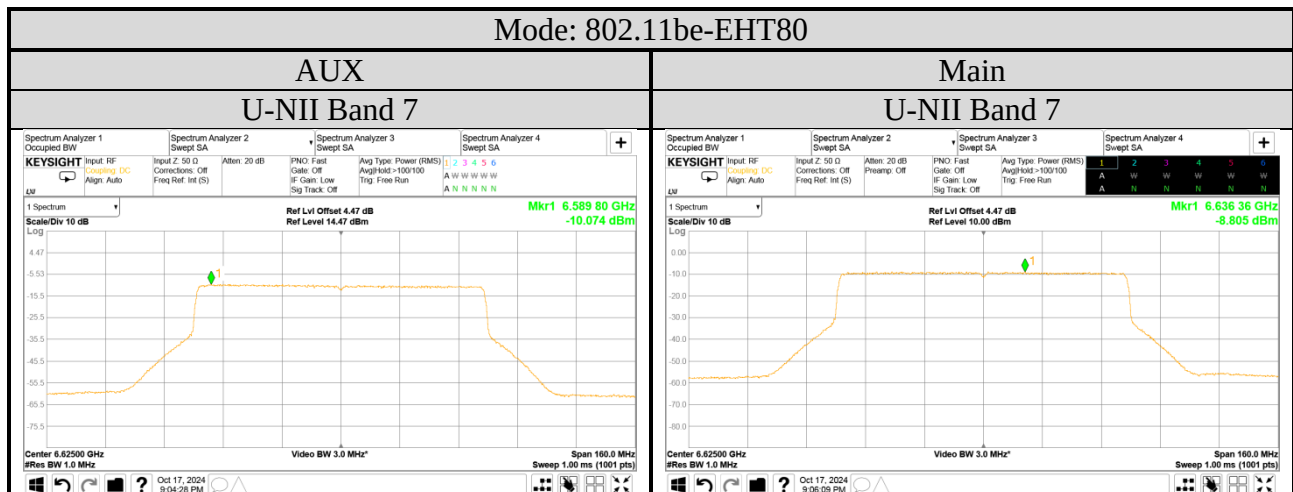
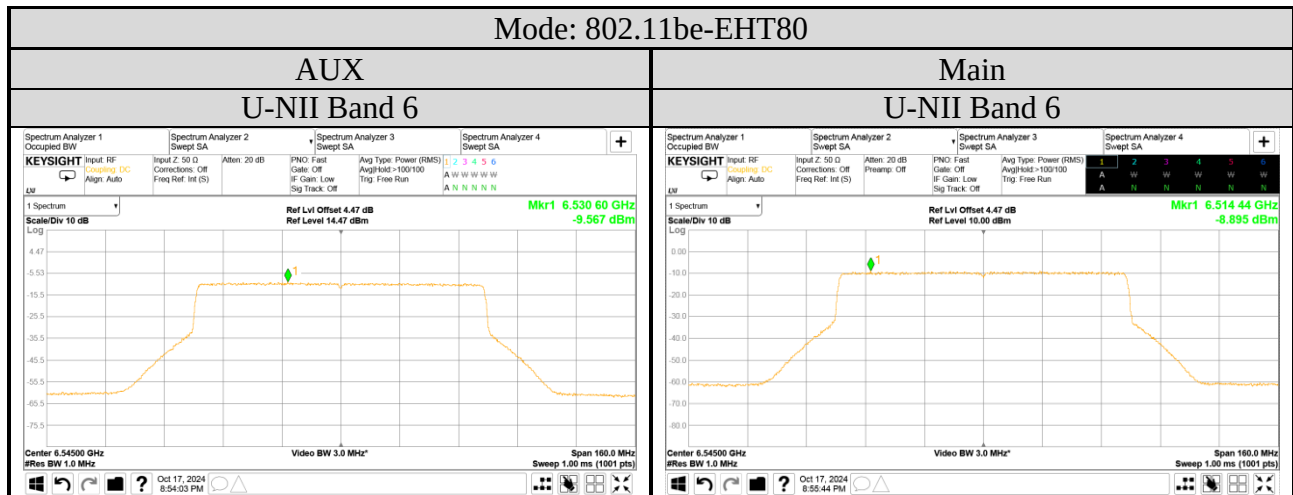
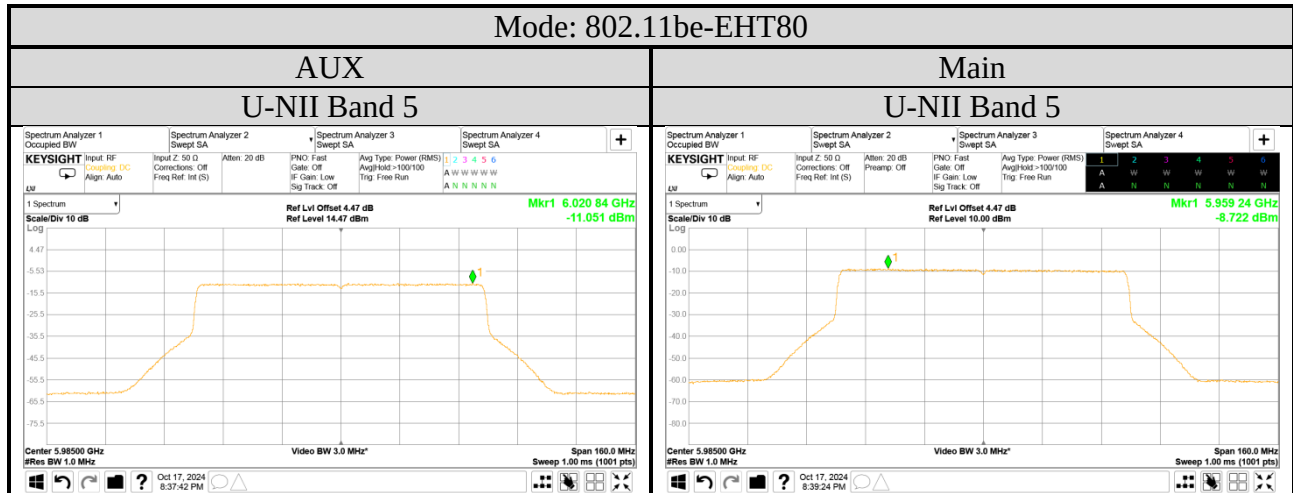
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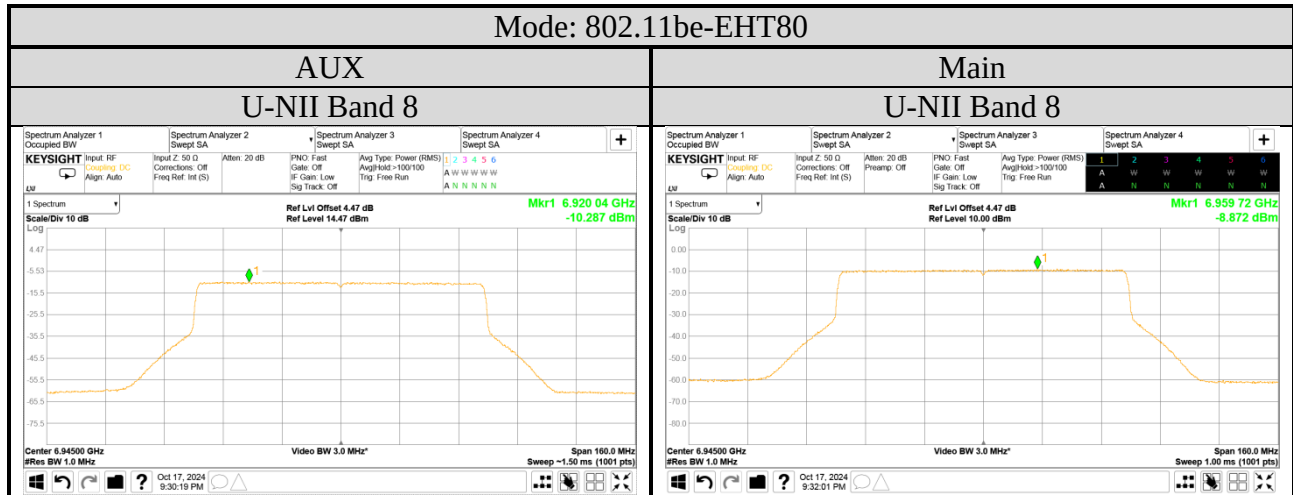
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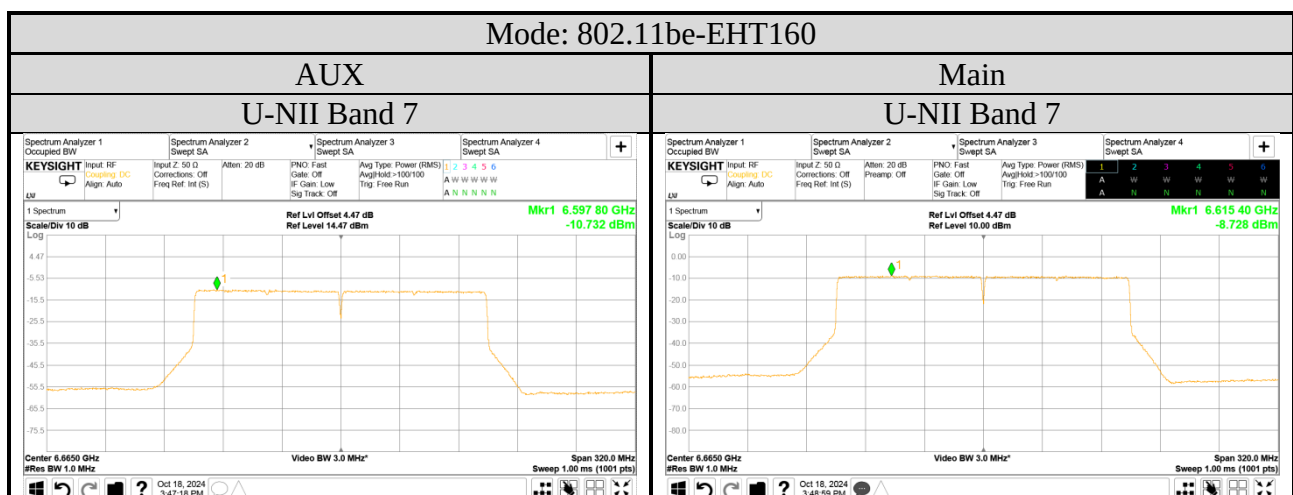
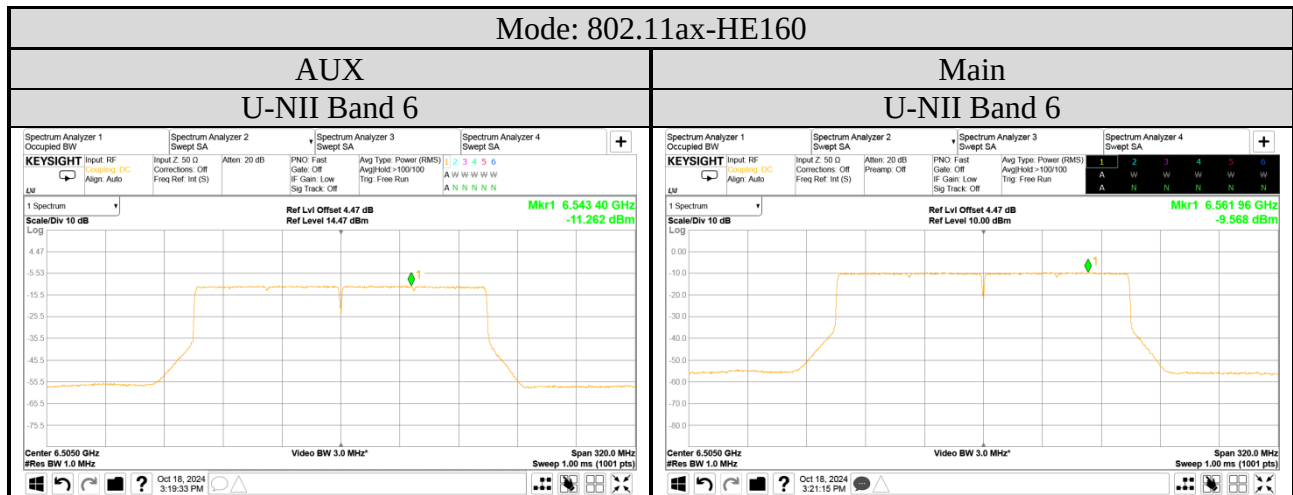
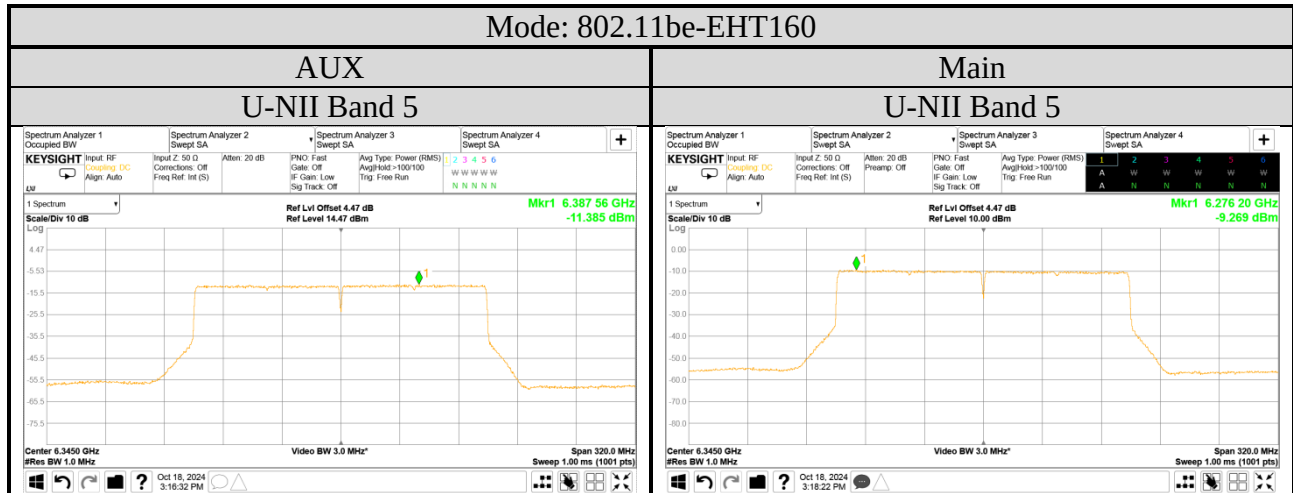
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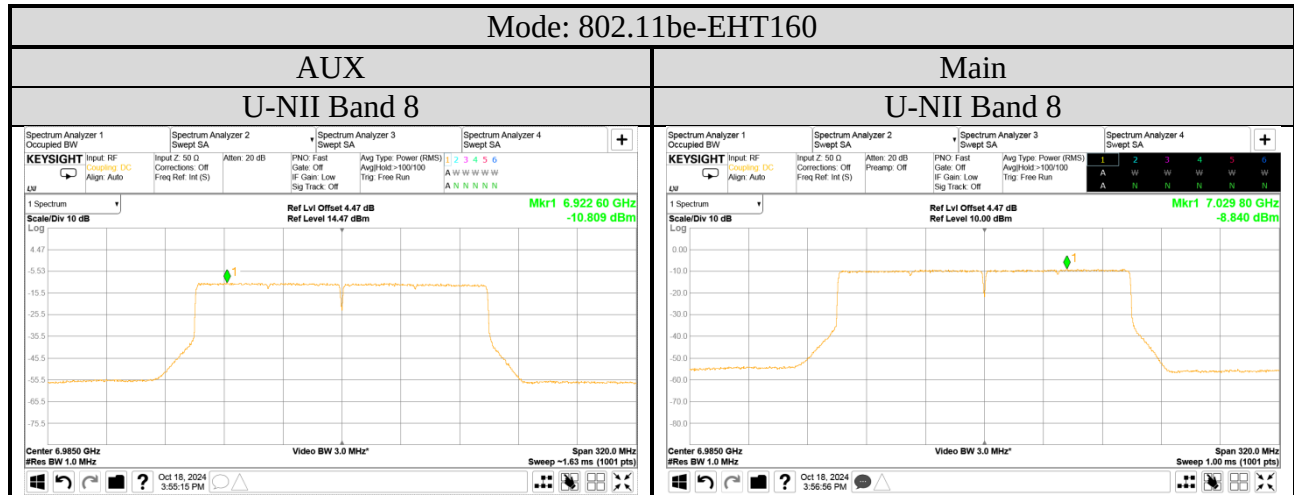
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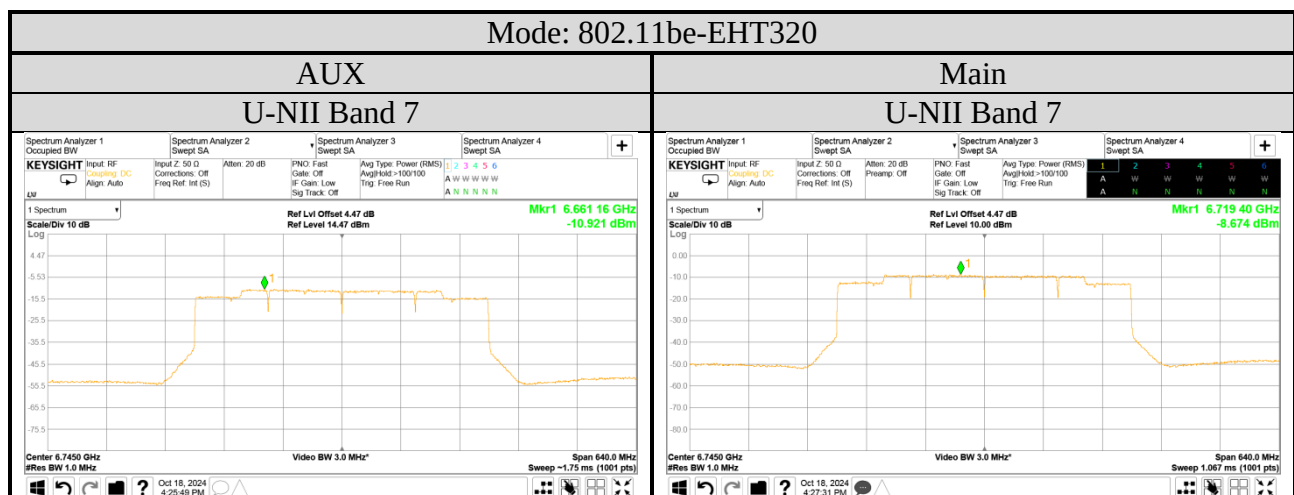
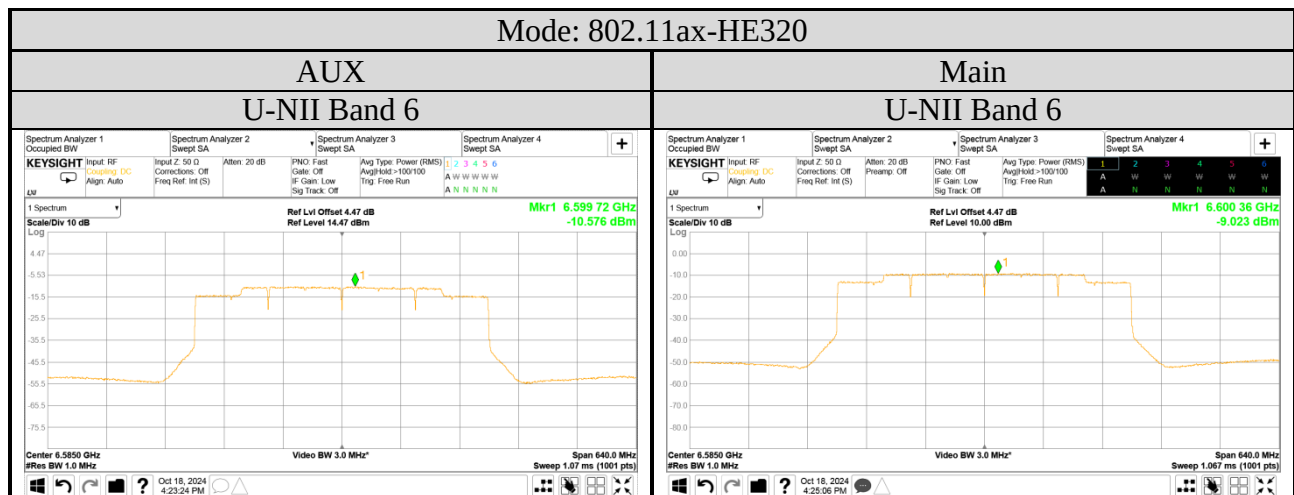
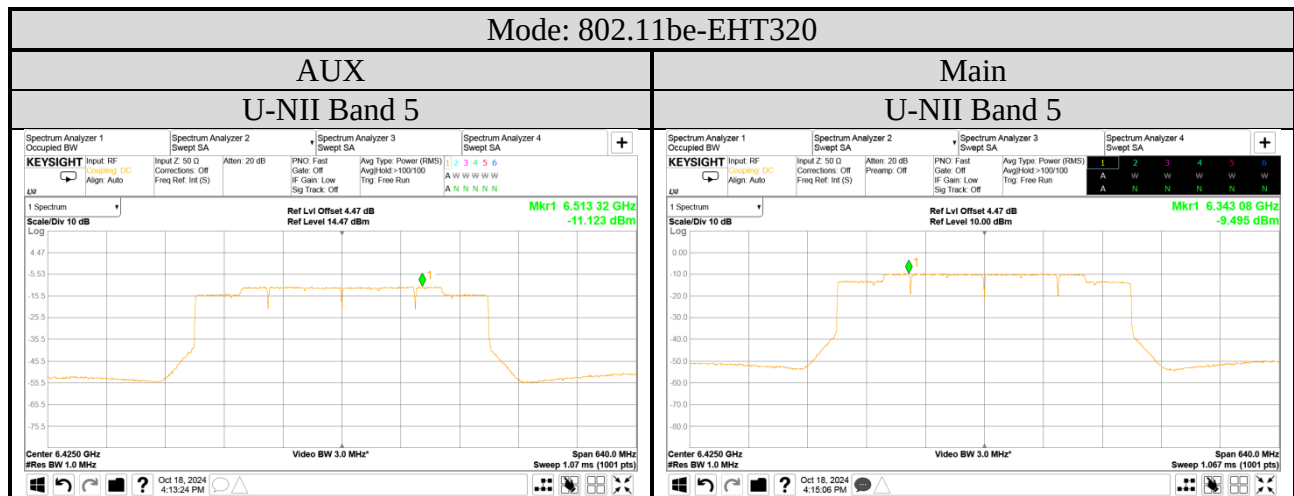
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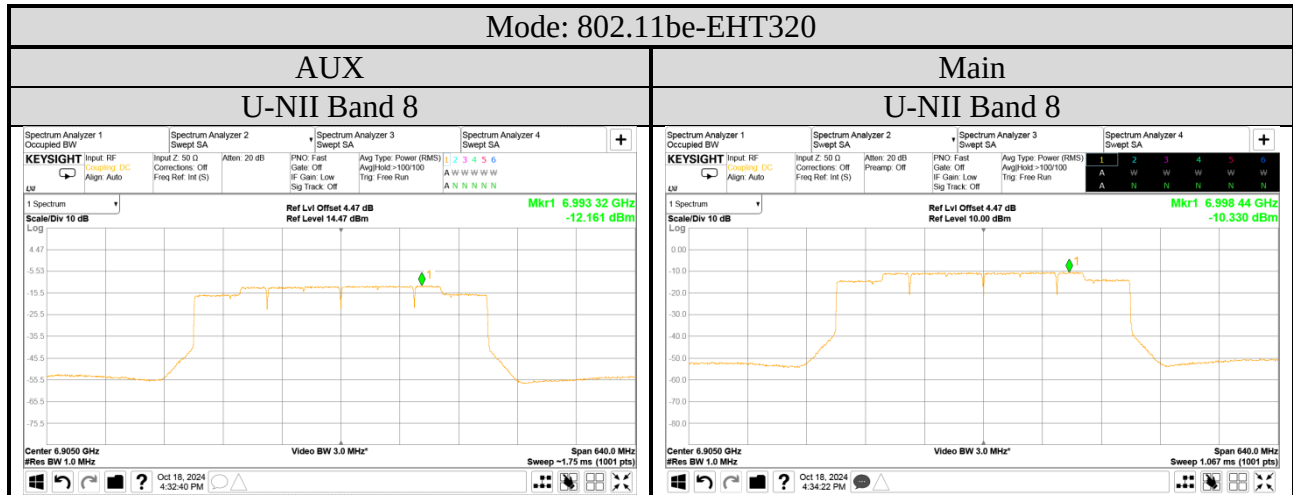
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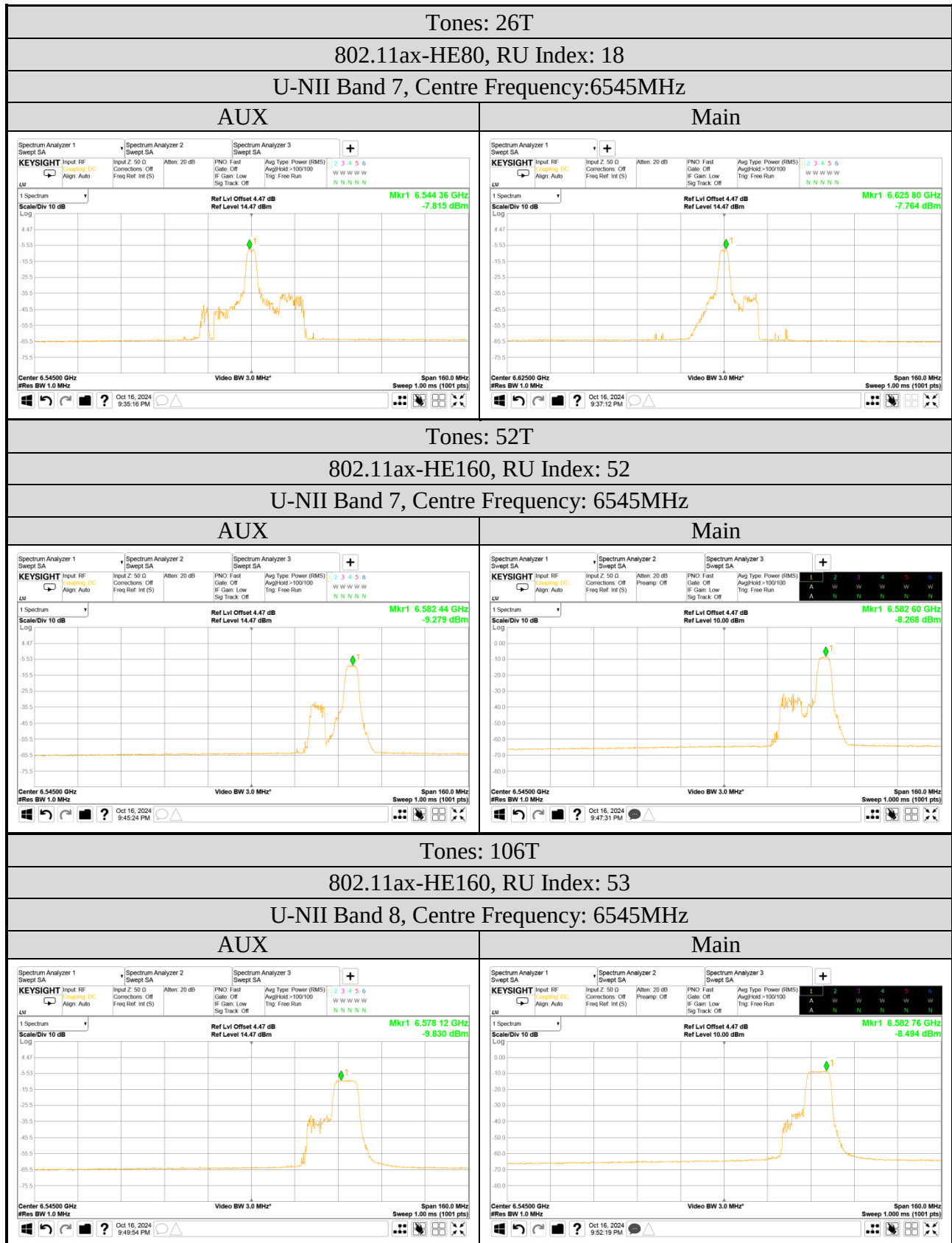
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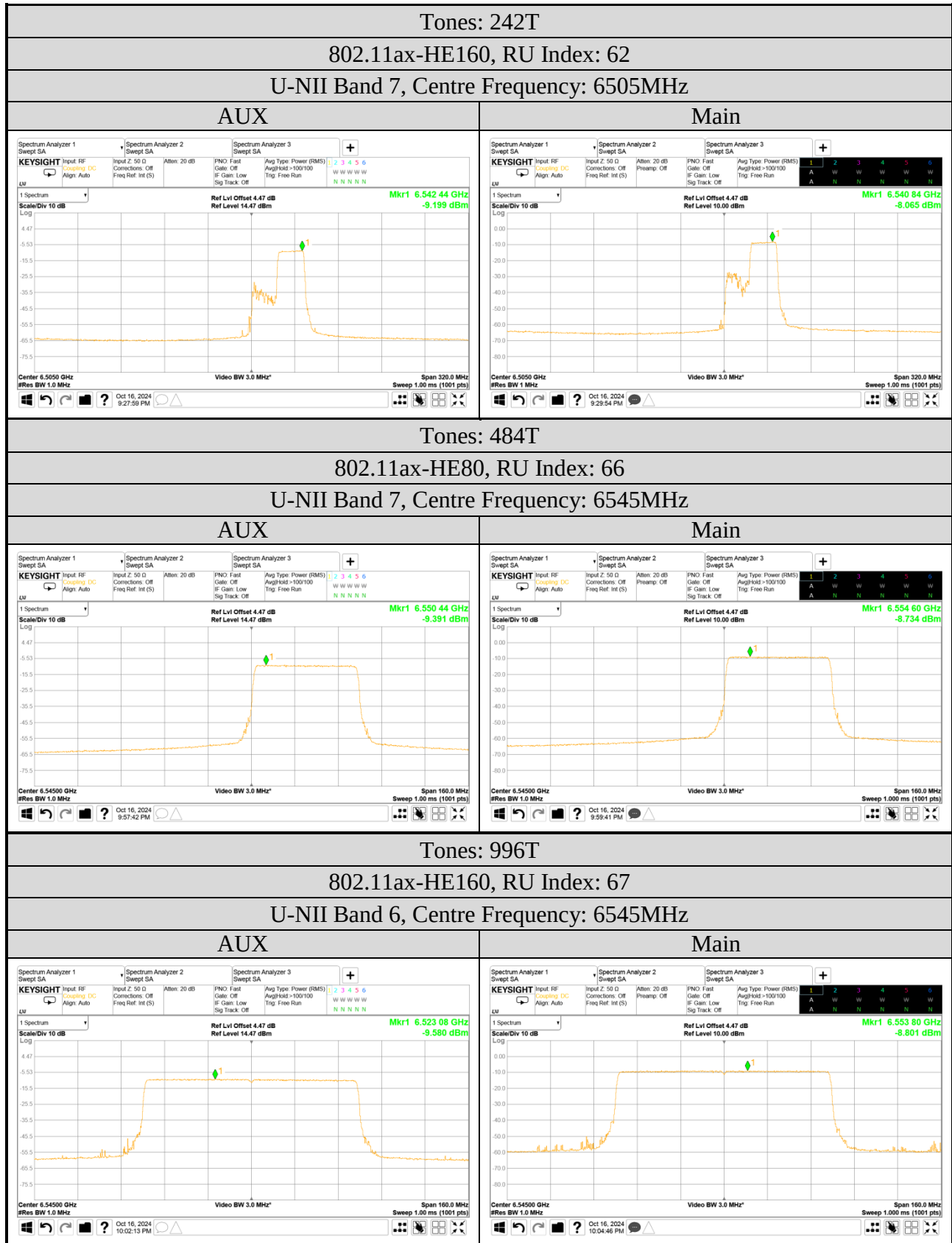
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● OFDMA Modulation



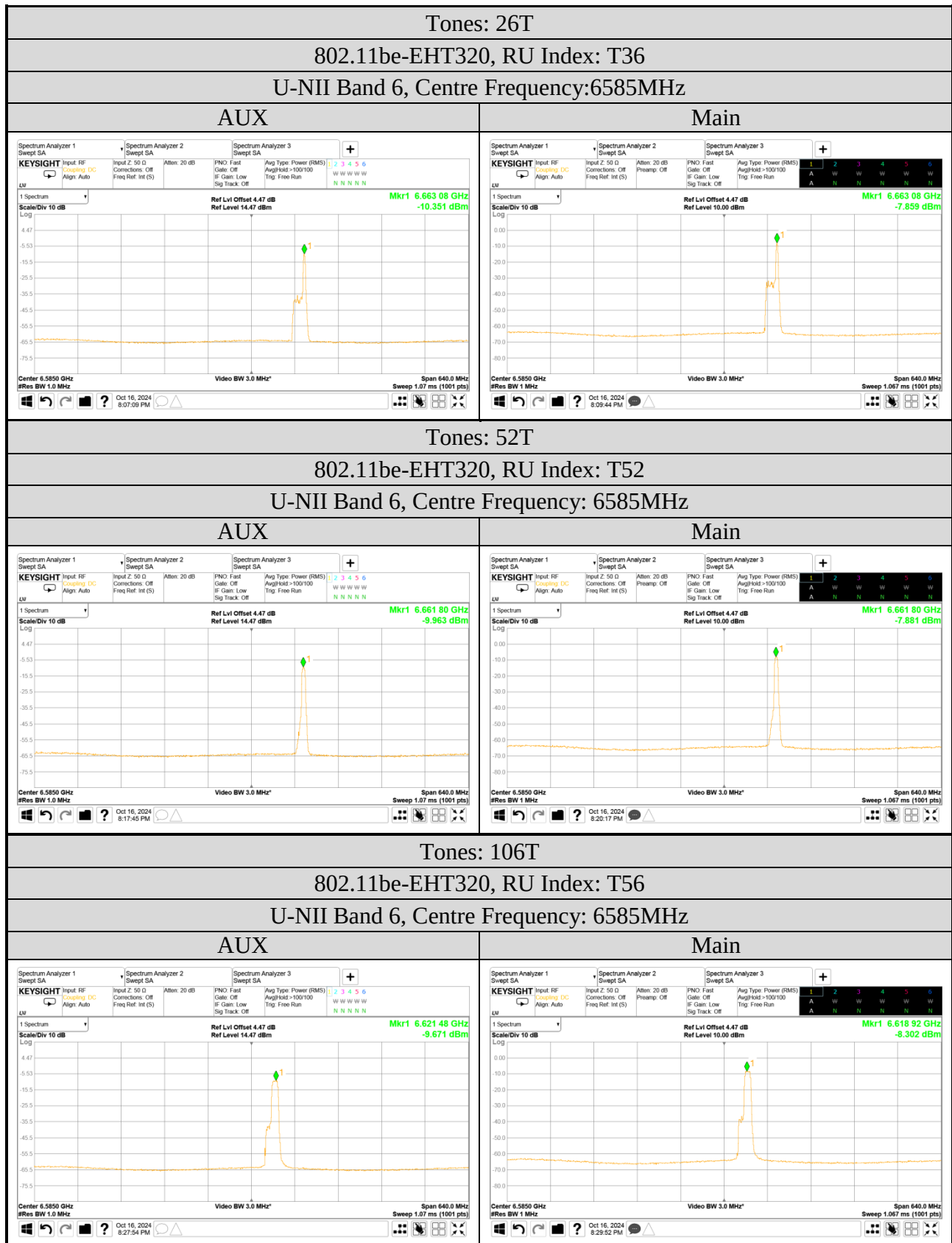
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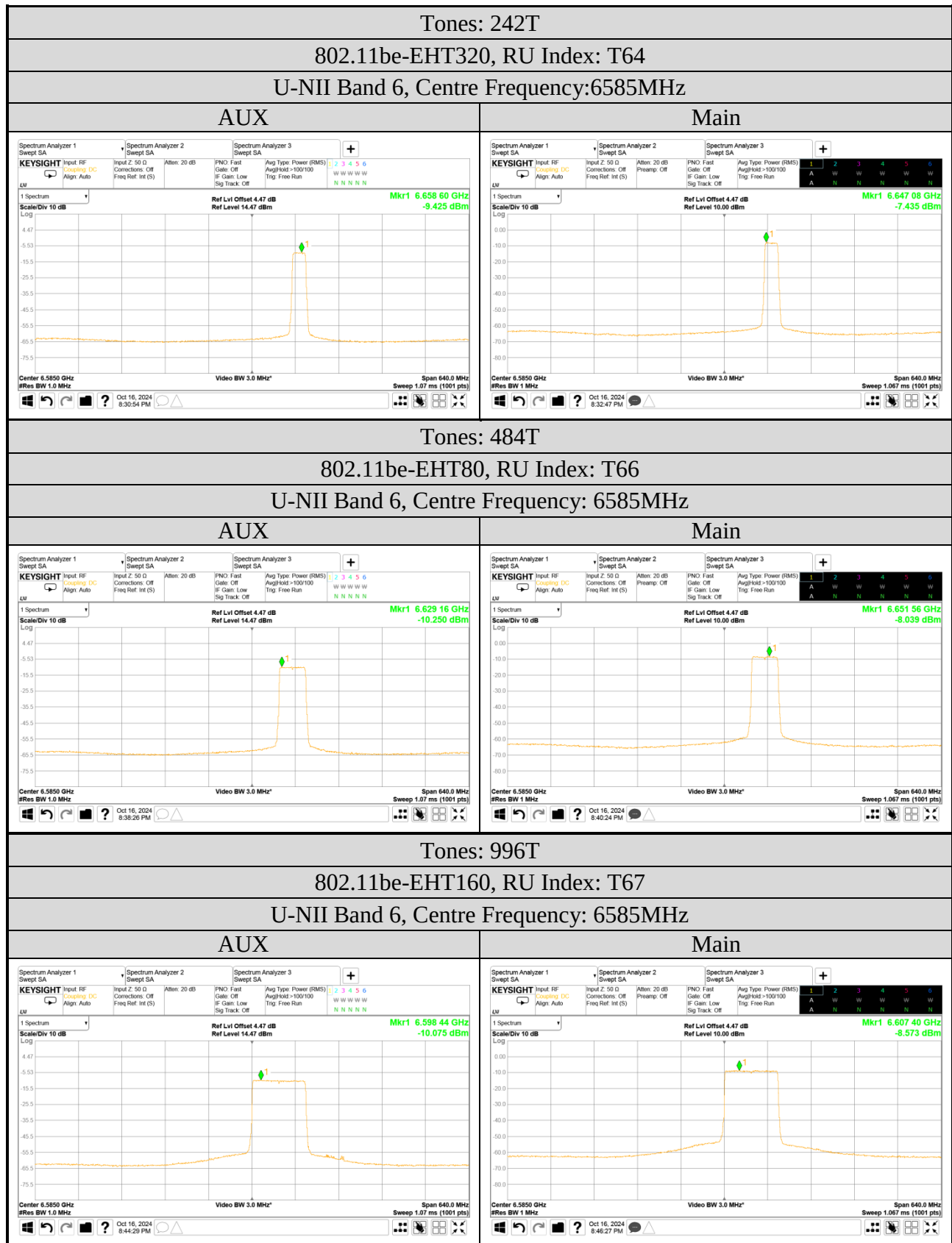
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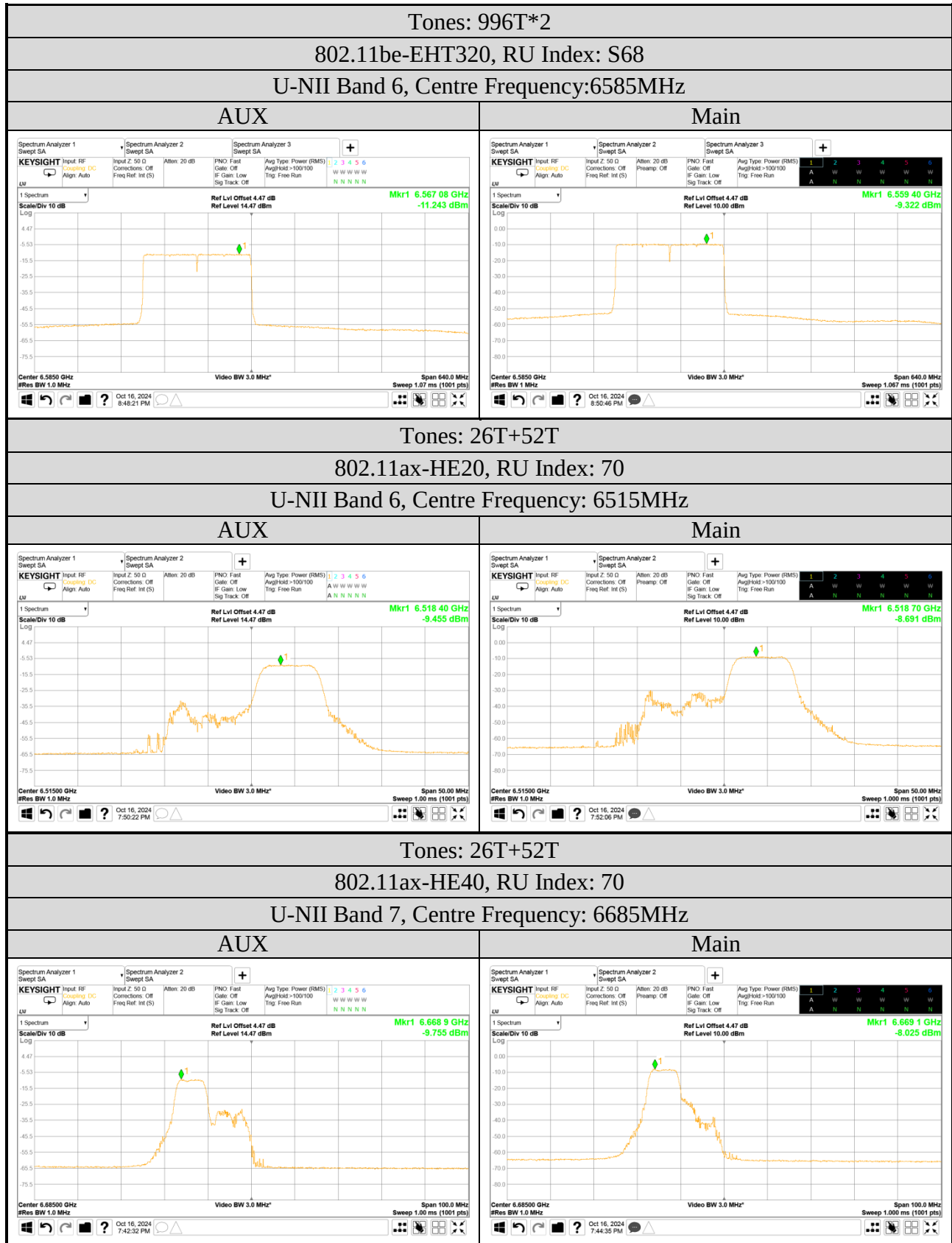
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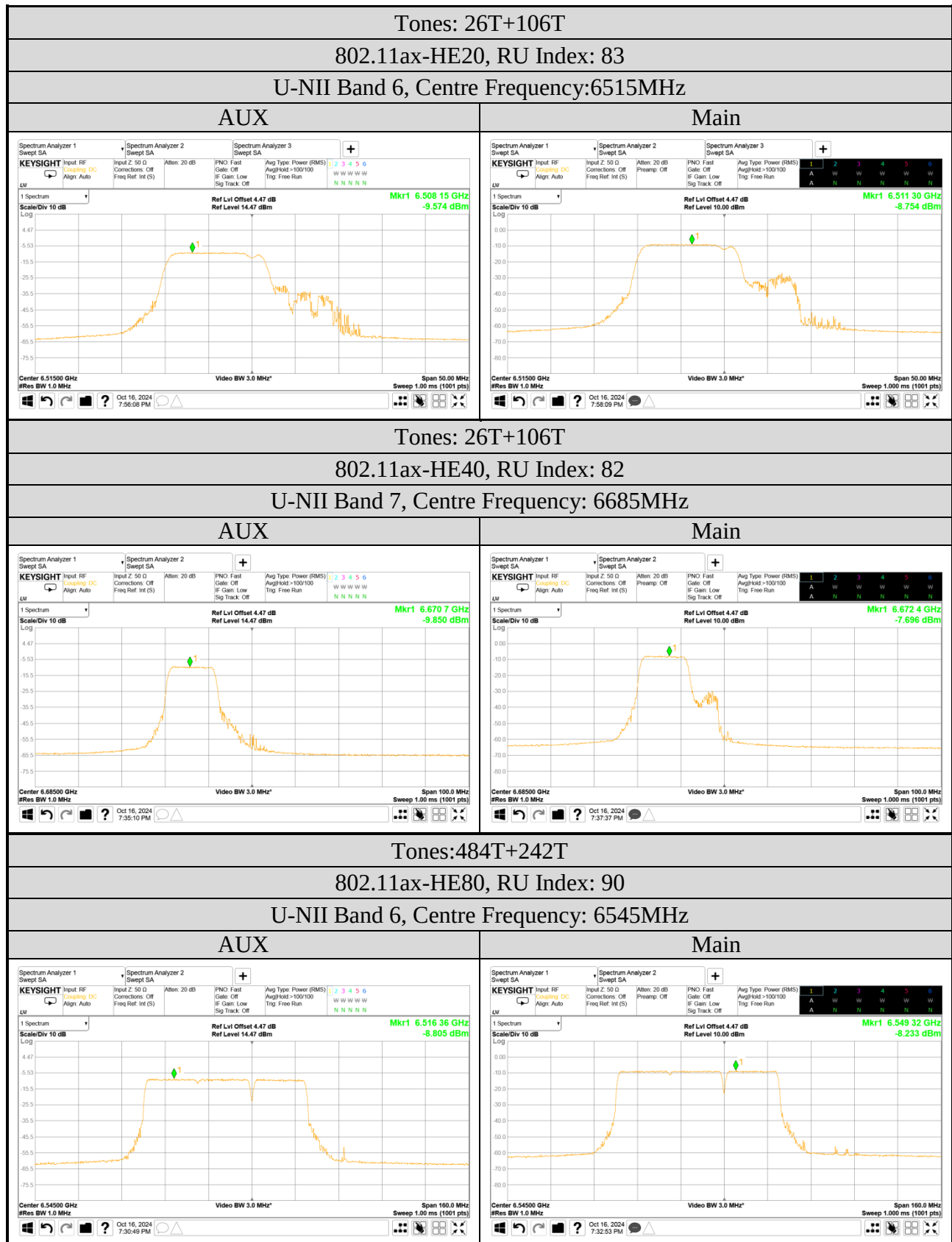
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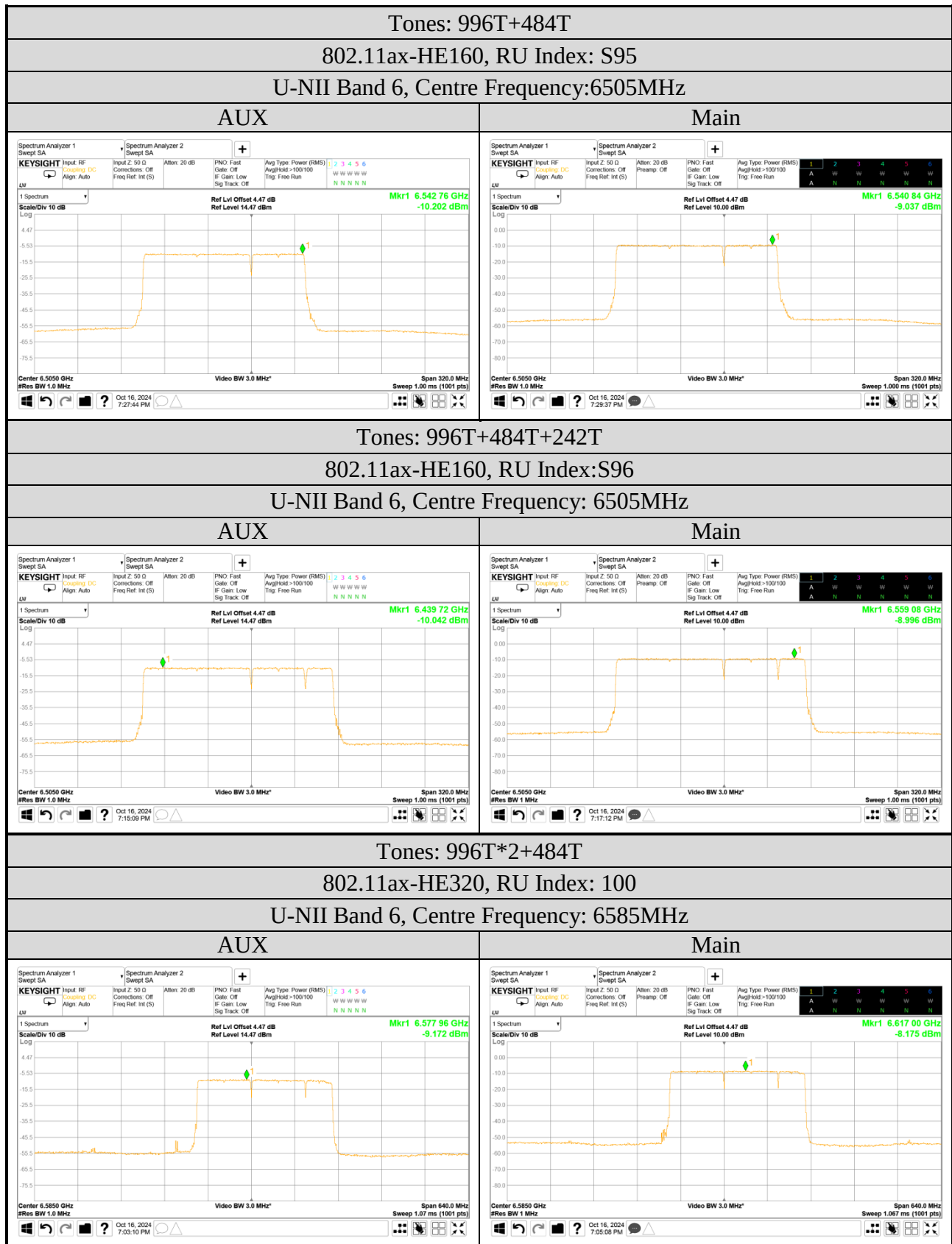
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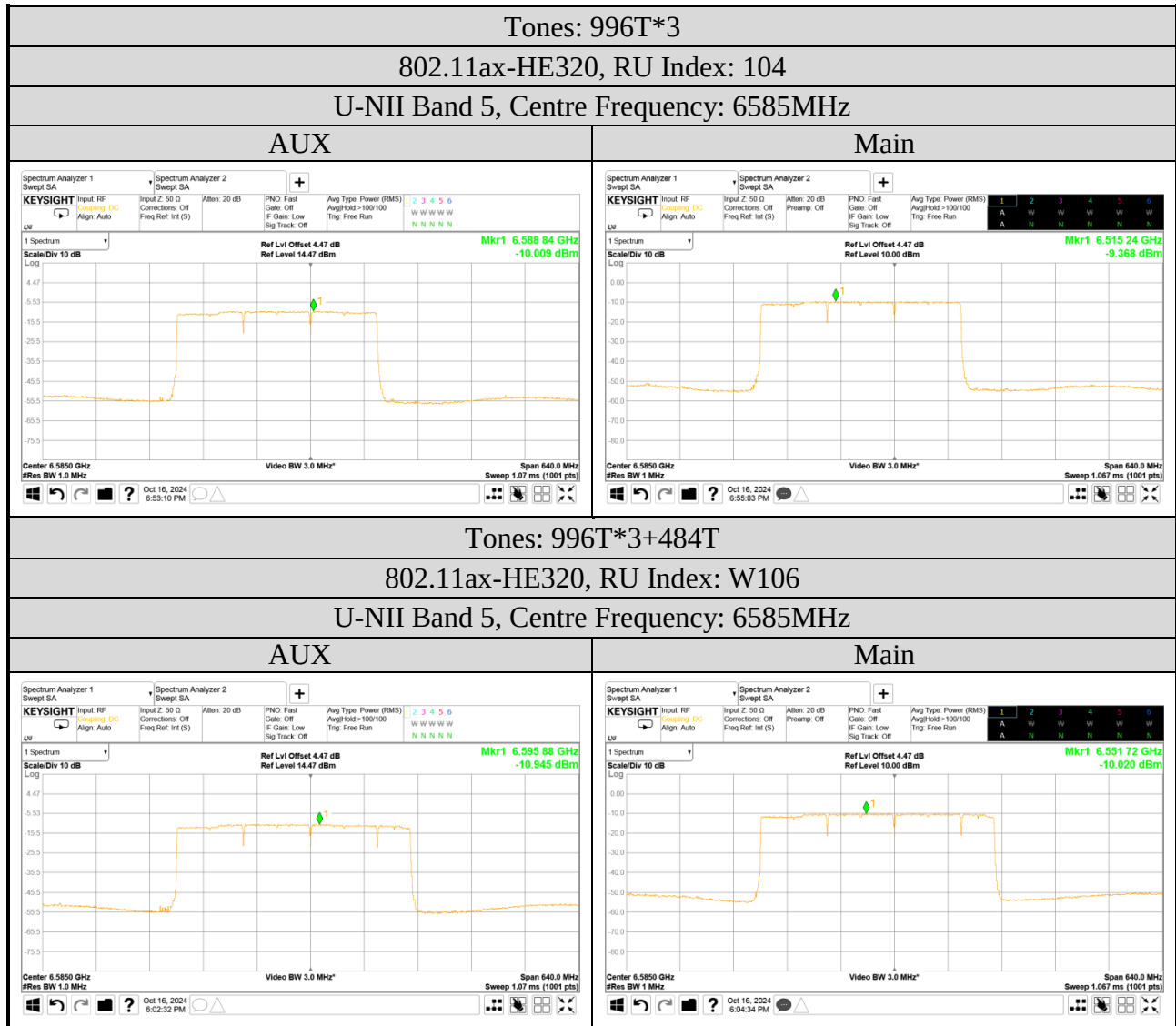
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A.4 MAXIMUM CONDUCTED OUTPUT POWER

Test Date	2024/10/16 ~ 17	Temp./Hum.	24°C/59 ~ 61%
Cable Loss	4.47dB	Tested By	Sean Wang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.4.1 Conducted Output Power Result

● OFDM Modulation

Modulation Type	U-NII Band	Centre Frequency (MHz)	Average Coneduted Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) ^{Note3}	Total E.I.R.P. (dBm) ^{Note2}	Limit
			AUX	Main				
802.11ax-HE20	5	5955	2.55	2.40	N/A	1.59	7.08	24dBm
		6175	2.60	2.12		1.59	6.97	
		6415	2.47	2.28		1.59	6.98	
	6	6435	2.51	2.16		2.76	8.11	
		6475	2.66	1.89		2.76	8.06	
		6515	3.34	1.92		2.76	8.46	
	7	6535	3.04	2.11		2.24	7.85	
		6695	3.27	3.30		2.24	8.54	
		6855	3.26	2.70		2.24	8.24	
	8	6875	3.44	2.58		2.10	8.14	
		6995	2.80	2.12		2.10	7.58	
		7115	-5.74	-4.97		2.10	-0.23	
802.11ax-HE40	5	5965	5.80	5.34	N/A	1.59	10.18	24dBm
		6165	5.66	5.20		1.59	10.04	
		6405	5.27	5.29		1.59	9.88	
	6	6445	5.45	5.08		2.76	11.04	
		6485	5.59	4.78		2.76	10.97	
	7	6525	6.15	5.00		2.24	10.86	
		6685	5.85	5.81		2.24	11.08	
		6845	6.31	5.21		2.24	11.05	
	8	6885	5.85	5.37		2.10	10.73	
		7005	5.62	5.49		2.10	10.67	
		7085	5.37	5.76		2.10	10.68	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(dBm) = Sum to individual output power (dBm)+ Directional gain (dBi) + duty cycle factor(dB) when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

5925~6425MHz: Directional gain = $10 \log[(10^{0.6/10} + 10^{2.4/10})/2] = 1.59$ dBi

6425~6525MHz: Directional gain = $10 \log[(10^{3.1/10} + 10^{2.4/10})/2] = 2.76$ dBi

6525~6875MHz: Directional gain = $10 \log[(10^{2.8/10} + 10^{1.6/10})/2] = 2.24$ dBi

6875~7125MHz: Directional gain = $10 \log[(10^{2.7/10} + 10^{-1.4/10})/2] = 2.10$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

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Modulation Type	U-NII Band	Centre Frequency (MHz)	Average Coneduted Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) ^{Note3}	Total E.I.R.P. (dBm) ^{Note 2}	Limit
			AUX	Main				
802.11ax-HE80	5	5985	9.07	9.37	N/A	1.59	13.82	24dBm
		6145	8.60	8.97		1.59	13.39	
		6385	9.28	9.59		1.59	14.04	
	6	6465	9.34	9.42		2.76	15.15	
		6545	9.49	9.34		2.76	15.19	
		6625	9.44	9.65		2.24	14.80	
	7	6705	8.56	9.07		2.24	14.07	
		6785	8.49	8.84		2.24	13.92	
	8	6865	8.69	9.12		2.10	14.02	
		6945	8.66	9.50		2.10	14.21	
		7025	8.67	9.57		2.10	14.25	
802.11ax-HE160	5	6025	11.75	12.21	N/A	1.59	16.59	24dBm
		6185	11.69	11.67		1.59	16.28	
		6345	12.05	11.81		1.59	16.53	
	6	6505	12.40	12.09		2.76	18.02	
		6665	11.93	12.10		2.24	17.27	
		6825	11.74	11.75		2.24	17.00	
	8	6985	11.79	12.17		2.10	17.09	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(dBm) = Sum to individual output power (dBm)+ Directional gain (dBi) + duty cycle factor(dB) when duty cycle is less than 98%.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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6525~6875MHz: Directional gain = $10 \log[(10^{2.8/10} + 10^{1.6/10})/2] = 2.24$ dBi

6875~7125MHz: Directional gain = $10 \log[(10^{2.7/10} + 10^{-1.4/10})/2] = 2.10$ dBi

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Modulation Type	U-NII Band	Centre Frequency (MHz)	Average Coneduted Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) ^{Note3}	Total E.I.R.P. (dBm) ^{Note 2}	Limit
			AUX	Main				
802.11be-EHT20	5	5955	2.51	2.68	N/A	1.59	7.20	24dBm
		6175	2.62	1.98		1.59	6.91	
		6415	2.34	2.24		1.59	6.89	
	6	6435	2.81	2.22		2.76	8.30	
		6475	2.60	1.77		2.76	7.98	
		6515	3.27	1.94		2.76	8.43	
	7	6535	3.36	2.07		2.24	8.01	
		6695	2.82	3.15		2.24	8.24	
		6855	3.06	2.85		2.24	8.21	
	8	6875	3.18	2.55		2.10	7.99	
		6995	2.82	2.42		2.10	7.73	
		7115	-5.75	-5.33		2.10	-0.42	
802.11be-EHT40	5	5965	5.62	5.66	N/A	1.59	10.24	24dBm
		6165	5.64	4.92		1.59	9.90	
		6405	5.09	5.23		1.59	9.76	
	6	6445	5.73	4.97		2.76	11.14	
		6485	5.37	4.68		2.76	10.81	
	7	6525	6.31	5.05		2.24	10.98	
		6685	5.65	5.91		2.24	11.03	
		6845	5.83	5.45		2.24	10.89	
	8	6885	6.15	5.58		2.10	10.98	
		7005	5.84	5.38		2.10	10.73	
		7085	5.55	5.66		2.10	10.72	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(dBm) = Sum to individual output power (dBm)+ Directional gain (dBi) + duty cycle factor(dB) when duty cycle is less than 98%.

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6525~6875MHz: Directional gain = $10 \log[(10^{2.8/10} + 10^{1.6/10})/2] = 2.24$ dBi

6875~7125MHz: Directional gain = $10 \log[(10^{2.7/10} + 10^{1.4/10})/2] = 2.10$ dBi

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