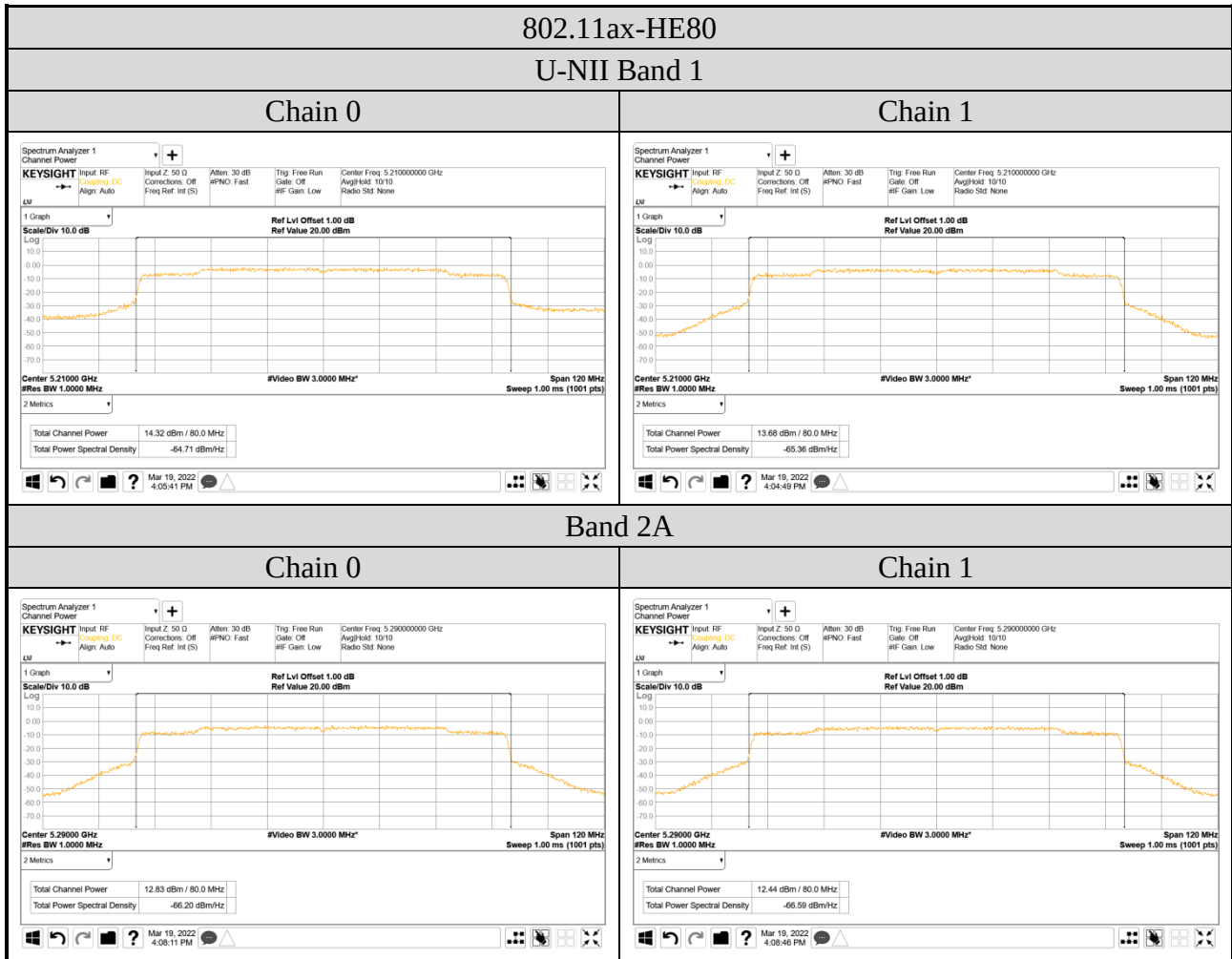


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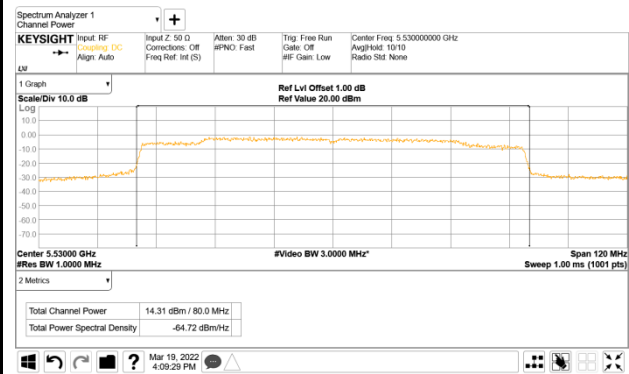
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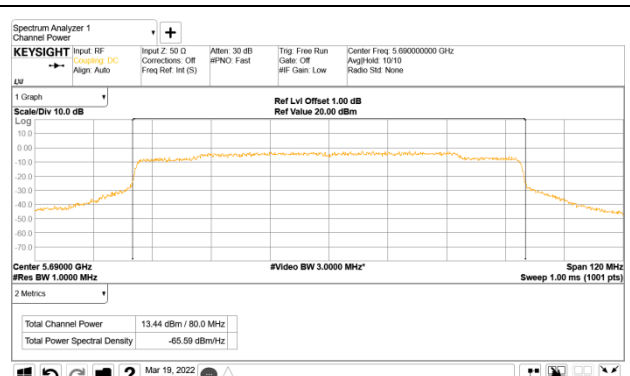
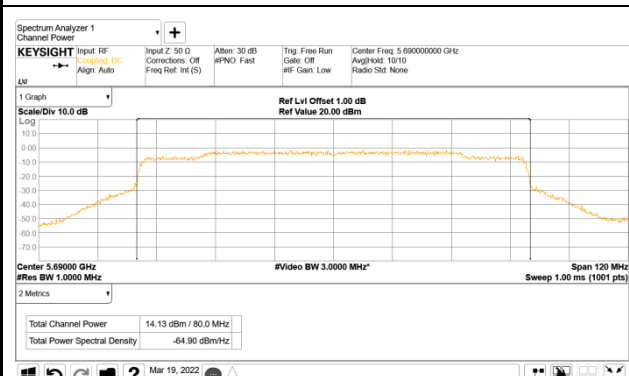
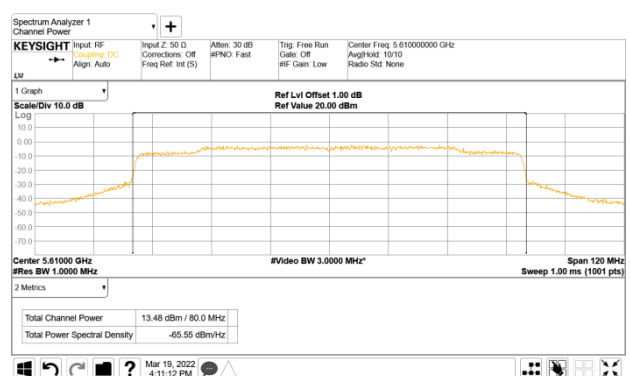
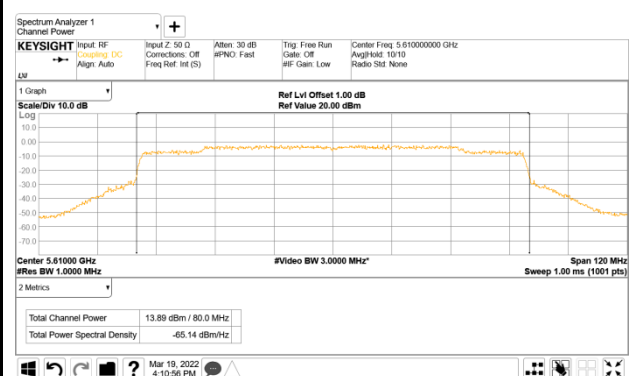
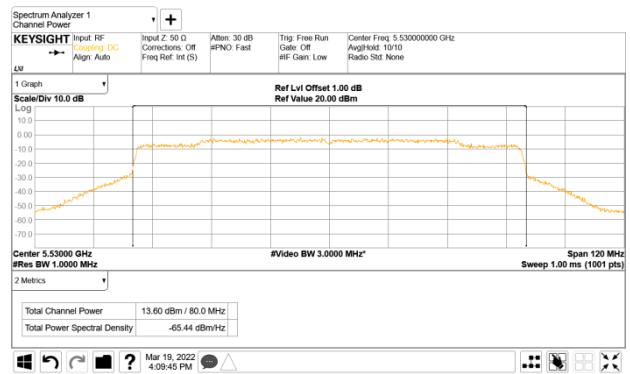
802.11ax-HE80

U-NII Band 2C

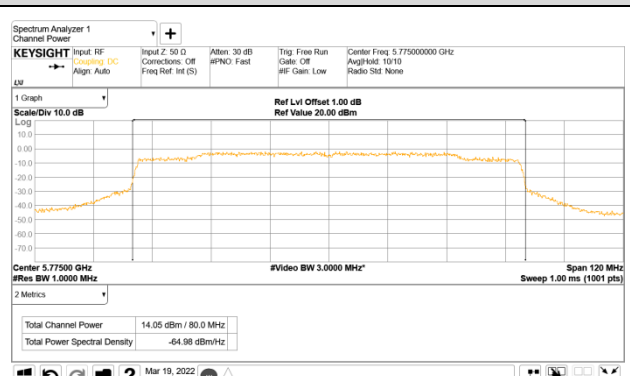
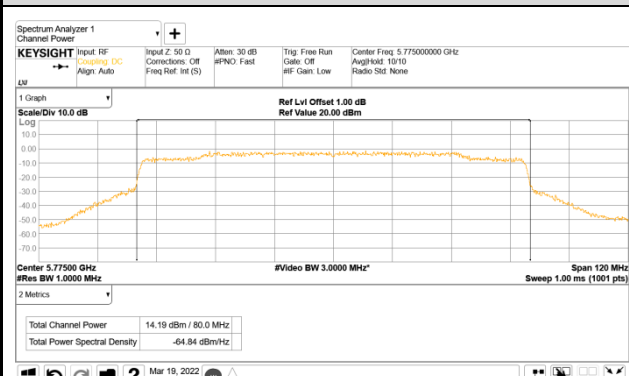
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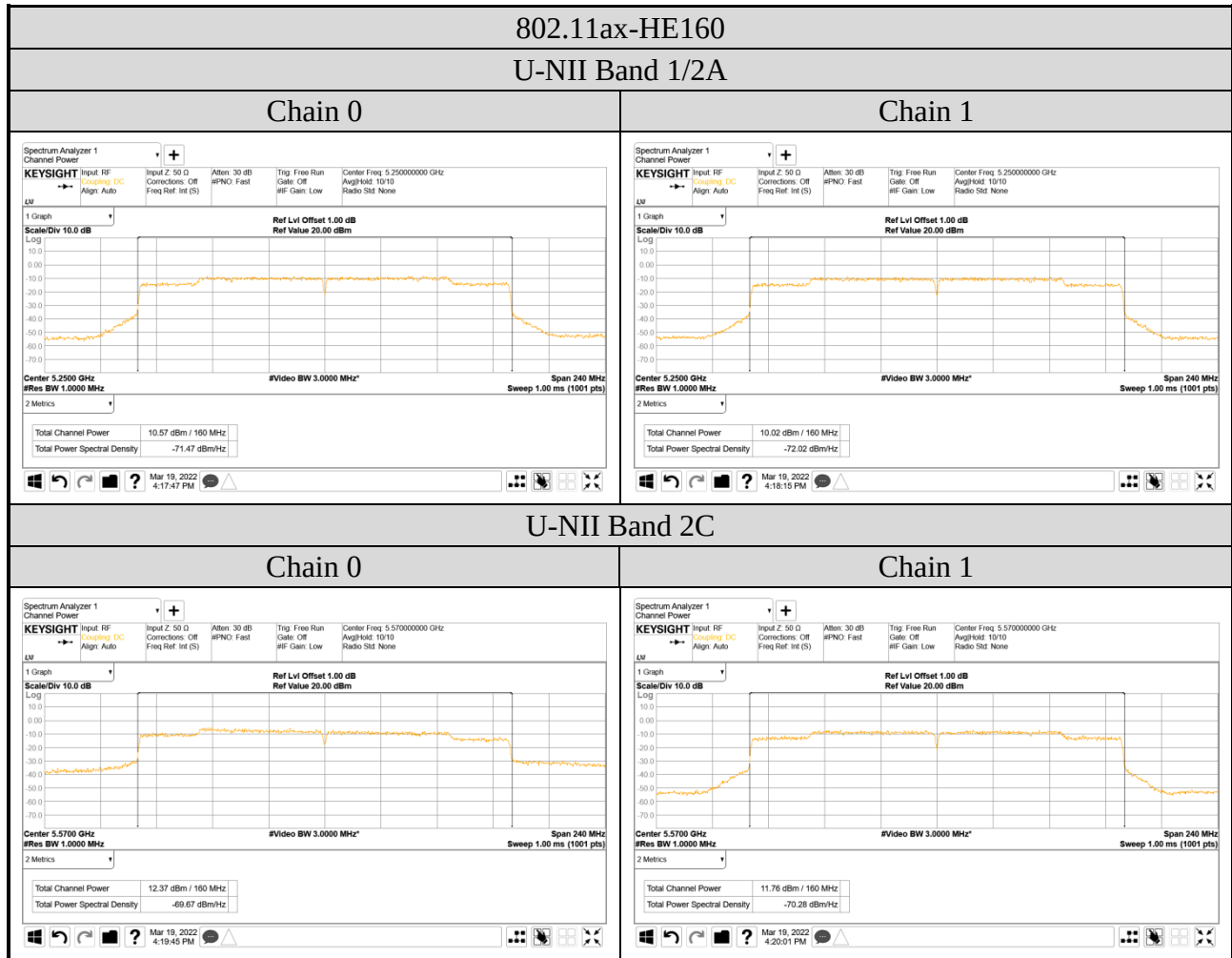


U-NII Band 3



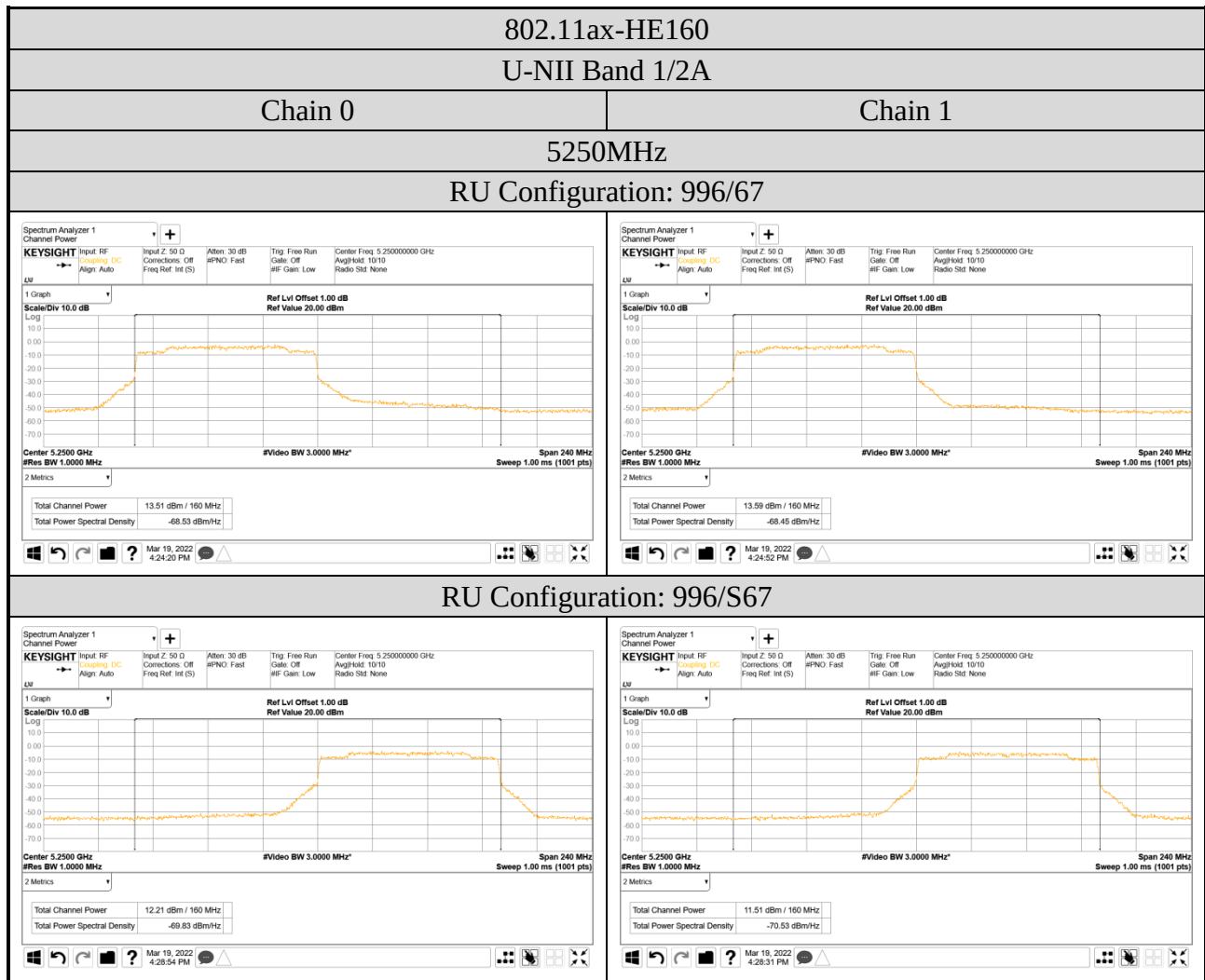
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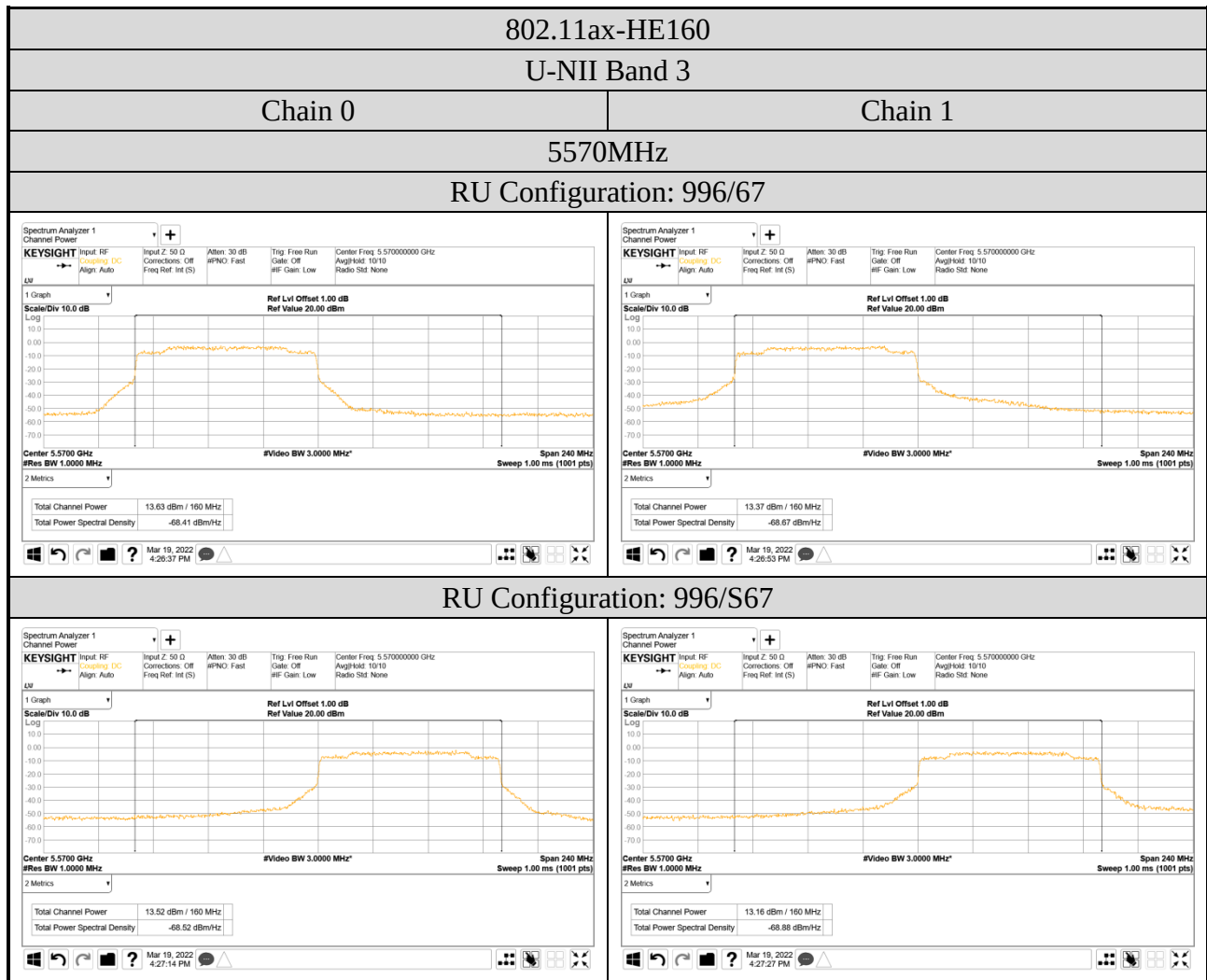
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A.5 POWER SPECTRAL DENSITY

Test Date	2022/03/29 ~ 30	Temp./Hum.	21°C/54 ~ 62%
Cable Loss	1.0dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		
Simultaneous Factor 10 log(n) (Note: “n” is antenna number)		802.11a: 0dB 802.11n-HT20/40: 3dB 802.11ac-VHT80/160: 3dB 802.11ax-HE20/40/80/160: 3dB	

A.5.1 Power Spectral Density Result

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)		Duty Cycle Factor 10log(1/X)	Max. Power Spectral Density (dBm)	Limit
			ANT A (AUX)	ANT B (Main)			
802.11a	1	5180	3.426	3.330	N/A	3.4260	11 dBm/MHz
		5200	3.355	3.404		3.4040	
		5240	3.529	3.070		3.5290	
	2A	5260	2.944	3.119		3.1190	
		5300	3.279	3.228		3.2790	
		5320	3.526	3.423		3.5260	
	2C	5500	3.336	3.453		3.4530	
		5580	3.169	2.804		3.1690	
		5700	3.502	3.356		3.5020	
		5720	3.597	3.725		3.7250	
	3 ^{Note2}	5745	1.397	1.460		1.4600	30dBm/500 kHz
		5785	1.024	1.905		1.9050	
		5825	0.962	1.387		1.3870	

Note 1: All results have been included cable loss and duty cycle factor.

Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

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Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm)	Limit
			ANT A (AUX)	ANT B (Main)			
802.11n-HT20	1	5180	3.261	2.779	N/A	6.0370	11 dBm/MHz
		5200	3.254	2.543		5.9233	
		5240	2.888	2.670		5.7907	
	2A	5260	2.863	2.601		5.7443	
		5300	2.877	2.557		5.7302	
		5320	3.291	2.592		5.9658	
	2C	5500	3.104	2.801		5.9654	
		5580	2.871	2.036		5.4838	
		5700	3.264	2.760		6.0296	
		5720	3.332	3.035		6.1963	
	3 ^{Note2}	5745	0.648	0.538		3.6036	30dBm/500 kHz
		5785	1.017	0.459		3.7573	
		5825	0.888	0.454		3.6867	
802.11n-HT40	1	5190	0.245	-0.5280	N/A	2.8860	11 dBm/MHz
		5230	0.066	-0.6750		2.7216	
	2A	5270	-0.2960	-0.7470		2.4947	
		5310	-0.4900	-1.1150		2.2190	
	2C	5510	0.316	-0.4590		2.9561	
		5550	-0.1180	-1.0200		2.4647	
		5670	0.079	-0.6940		2.7200	
		5710	0.315	-0.7700		2.8166	
	3 ^{Note2}	5755	-2.5410	-3.3190		0.0977	30dBm/500 kHz
		5795	-2.6140	-2.9760		0.2191	
802.11ac-VHT80	1	5210	-2.6520	-3.4100	N/A	-0.0042	11 dBm/MHz
	2A	5290	-4.4470	-5.0410		-1.7236	
	2C	5530	-3.0360	-3.4040		-0.2058	
		5610	-3.0860	-3.7740		-0.4061	
		5690	-2.9280	-3.3690		-0.1326	
	3 ^{Note2}	5775	-5.9490	-5.9630		-2.9457	30dBm/500 kHz
802.11ac-VHT160	1/2A	5250	-9.1470	-10.3170	N/A	-6.6824	11 dBm/MHz
	2C	5570	-7.0770	-7.8270		-4.4255	

Note 1: All results have been included cable loss and duty cycle factor.

Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

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Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm)	Limit
			ANT A (AUX)	ANT B (Main)			
802.11ax-HE20	1	5180	2.854	2.373	N/A	5.6305	11 dBm/MHz
		5200	3.117	2.426		5.7955	
		5240	2.712	2.257		5.5008	
	2A	5260	2.519	2.316		5.4290	
		5300	2.850	2.256		5.5734	
		5320	3.298	2.567		5.9582	
	2C	5500	2.816	2.527		5.6842	30dBm/500 kHz
		5580	2.506	1.869		5.2095	
		5700	2.951	2.320		5.6572	
		5720	2.873	2.665		5.7805	
	3 ^{Note2}	5745	-0.4040	-0.6730		2.4739	
		5785	-0.7170	-0.3210		2.4958	
		5825	-0.5050	-0.4340		2.5409	
802.11ax-HE40	1	5190	-0.1680	-0.7890	N/A	2.5429	11 dBm/MHz
		5230	-0.3930	-1.0670		2.2934	
	2A	5270	-0.7680	-0.8240		2.2144	
		5310	-2.9610	-3.9690		-0.4255	
	2C	5510	-0.4250	-0.5330		2.5316	
		5550	-0.4050	-1.2230		2.2155	
		5670	-0.4750	-0.8640		2.3452	
		5710	-0.0650	-0.6670		2.6547	
	3 ^{Note2}	5755	-3.9800	-3.8190		-0.8885	30dBm/500 kHz
		5795	-3.9330	-3.7810		-0.8460	
802.11ax-HE80	1	5210	-3.2700	-3.7960	N/A	-0.5147	11 dBm/MHz
	2A	5290	-4.7230	-4.8900		-1.7954	
	2C	5530	-2.9790	-4.0130		-0.4550	
		5610	-3.4720	-4.1130		-0.7704	
	3 ^{Note2}	5690	-3.4620	-3.7100		-0.5739	30dBm/500 kHz
		5775	-6.8770	-7.1450		-3.9986	
802.11ax-HE160	1/2A	5250	-9.9210	-10.4400	N/A	-7.1625	11 dBm/MHz
	2C	5570	-7.4680	-7.3820		-4.4145	

Note 1: All results have been included cable loss and duty cycle factor.

Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

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Mode	U-NII Band	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm)	Limit
				ANT A (AUX)	ANT B (Main)			
802.11ax-HE20	1	5180	26/0	5.985	5.825	N/A	8.916	11 dBm/MHz
			52/37	7.018	6.673		9.859	
			106/53	5.508	5.226		8.380	
	2A	5320	26/8	6.322	6.160		9.252	
			52/40	7.148	6.527		9.859	
			106/54	5.676	5.636		8.666	
	2C	5500	26/0	6.289	6.120		9.216	
			52/37	6.798	6.983		9.902	
			106/53	5.425	5.505		8.475	
		5700	26/8	6.384	6.449		9.427	
			52/40	7.094	6.614		9.871	
			106/54	5.712	5.274		8.509	
	3 ^{Note2}	5745	26/0	1.653	1.240		4.462	30dBm/500 kHz
			52/37	4.273	4.876		7.595	
			106/53	2.542	2.493		5.528	
		5825	26/8	7.790	7.916		10.864	
			52/40	5.294	5.139		8.227	
			106/54	2.118	2.497		5.322	
802.11ax-HE40	1	5190	242/61	3.234	2.708	N/A	5.989	11 dBm/MHz
	2A	5310	242/62	3.179	2.594		5.907	
	2C	5510	242/61	3.149	2.842		6.009	
		5670	242/62	3.019	2.702		5.874	30dBm/500 kHz
	3 ^{Note2}	5755	242/61	-0.407	-0.572		2.522	
		5795	242/62	-0.459	-0.502		2.530	
802.11ax-HE80	1	5210	484/65	-1.861	-2.780	N/A	0.714	11 dBm/MHz
	2A	5290	484/66	-3.158	-4.588		-0.804	
	2C	5530	484/65	0.062	-0.844		2.643	
		5610	484/66	-0.573	-1.108		2.178	30dBm/500 kHz
	3 ^{Note2}	5775	484/65	-3.743	-4.100		-0.908	
			484/66	-3.809	-4.035		-0.910	
802.11ax-HE160	1/2A	5250	996/67	-3.371	-3.952	N/A	-0.641	11 dBm/MHz
			996/S67	-4.805	-6.035		-2.366	
	2C	5570	996/67	-3.156	-4.130		-0.605	
			996/S67	-3.083	-4.208		-0.599	

Note 1: All results have been included cable loss and duty cycle factor.

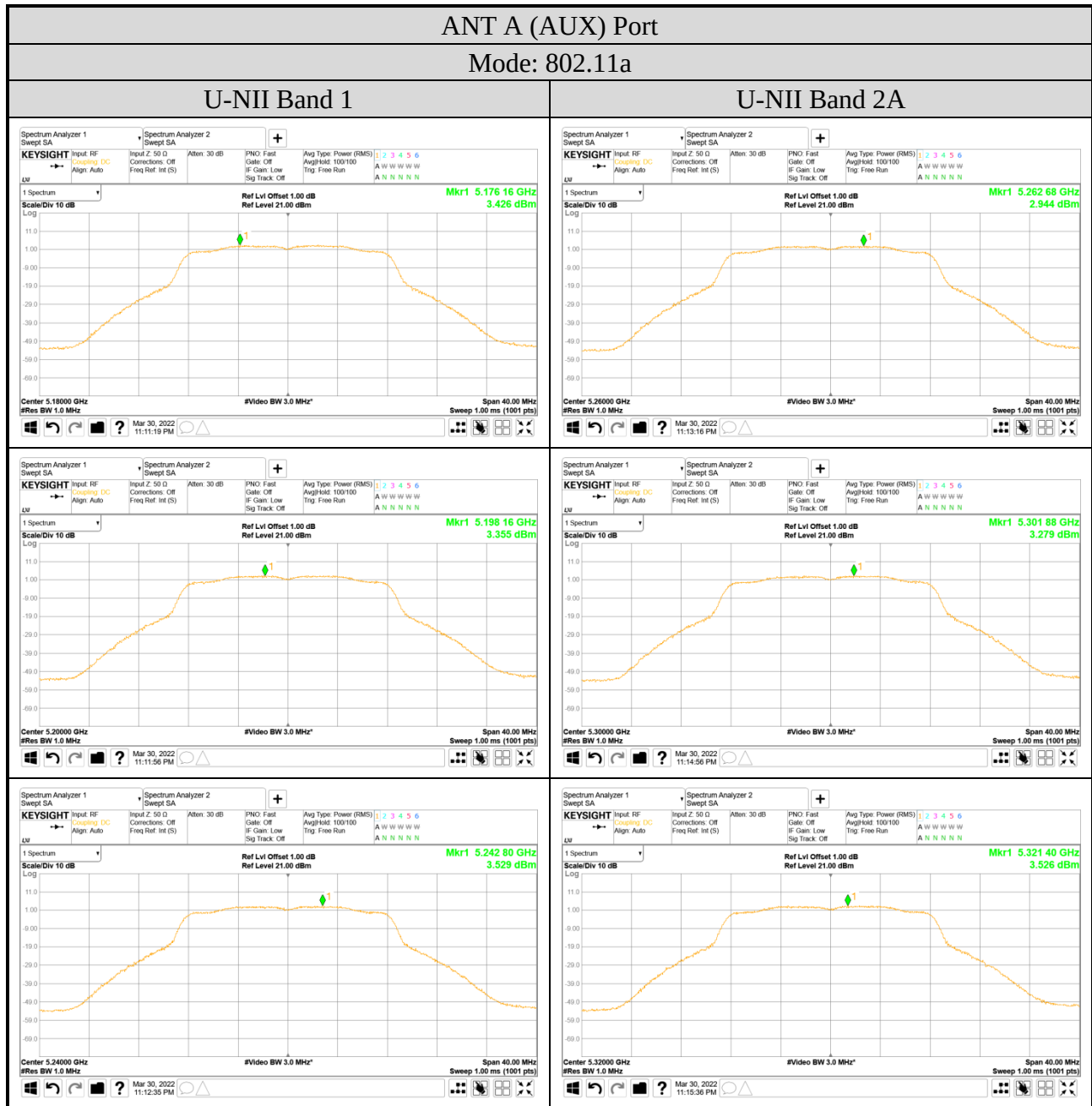
Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

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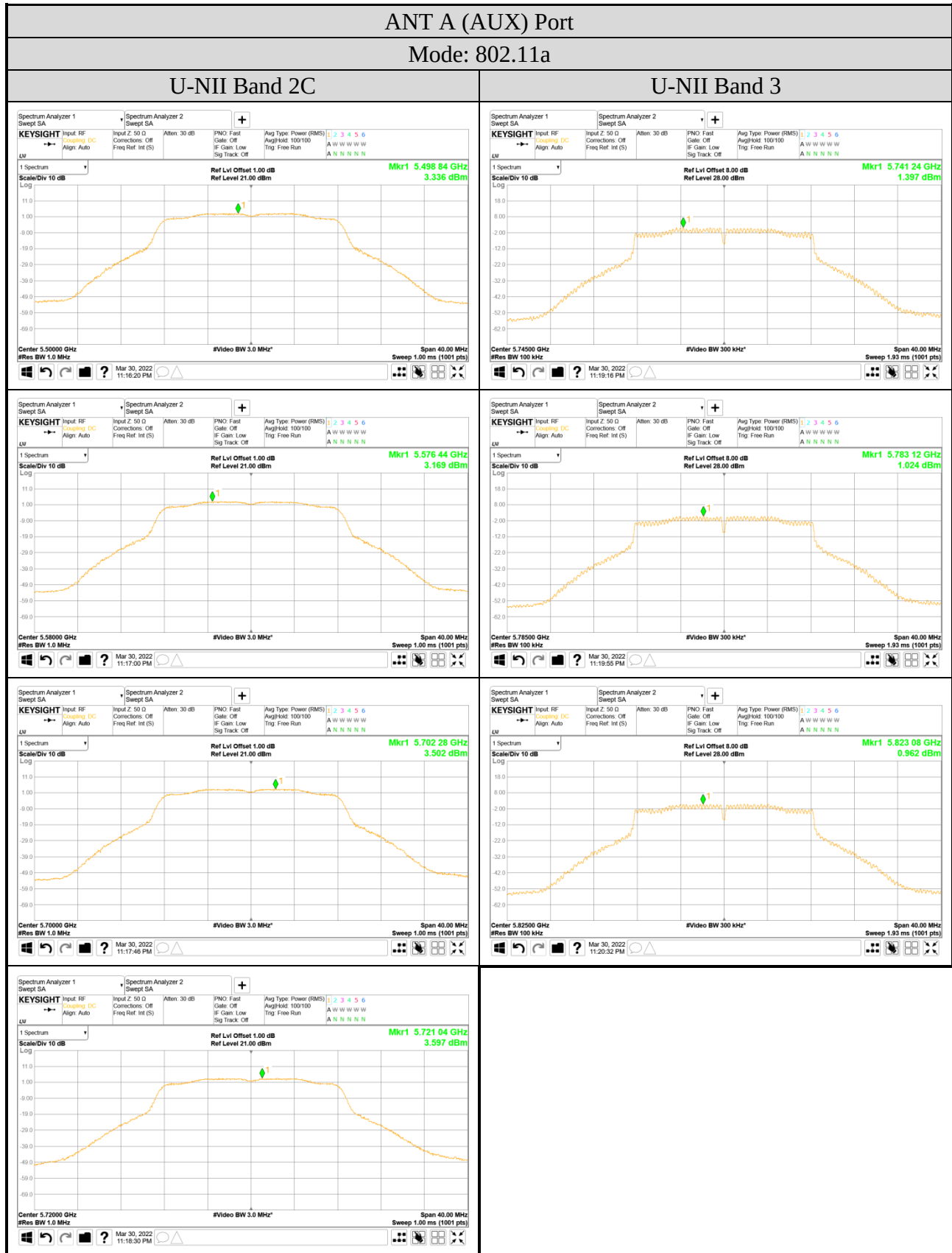
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A.5.2 Measurement Plots



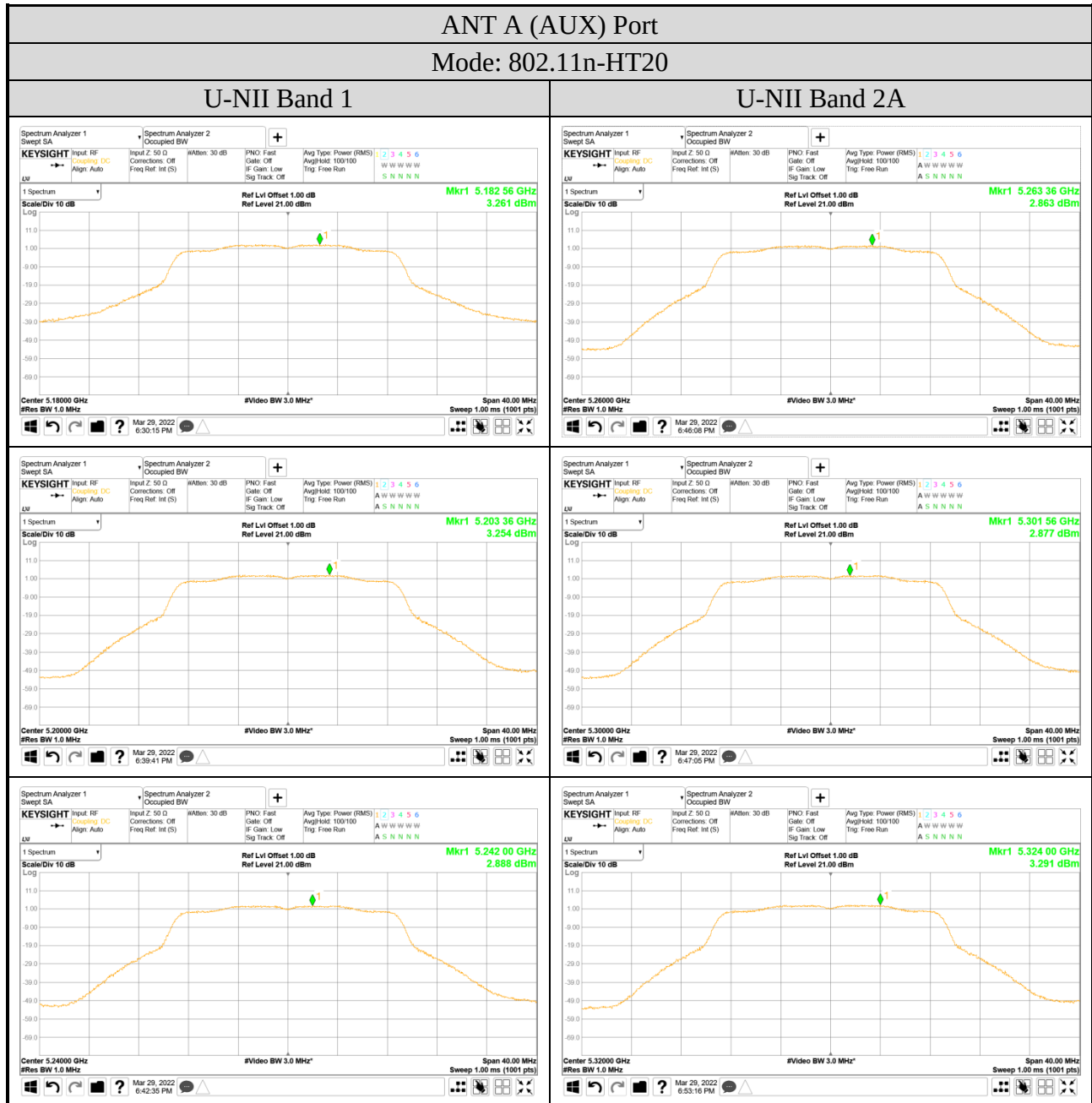
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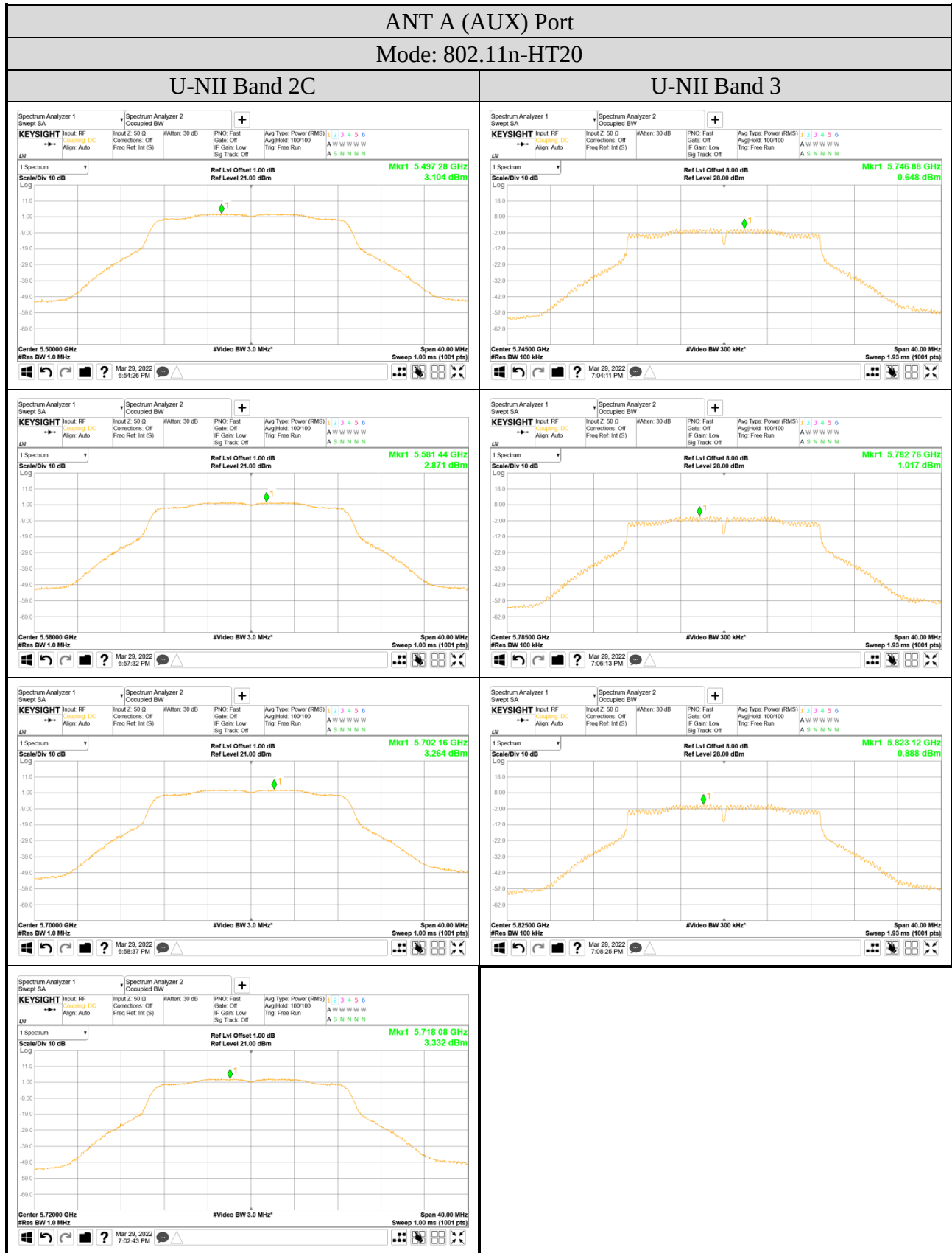
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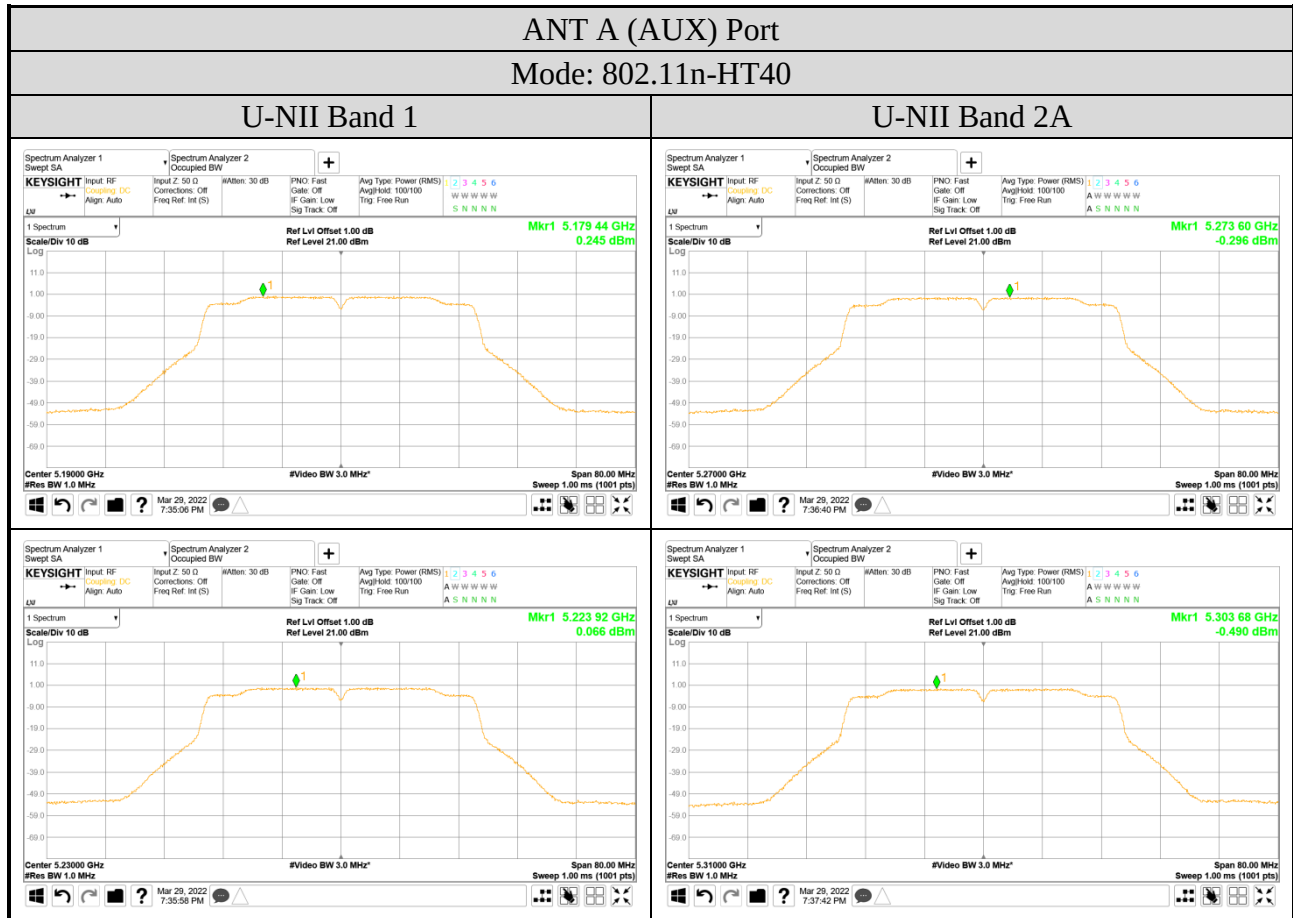
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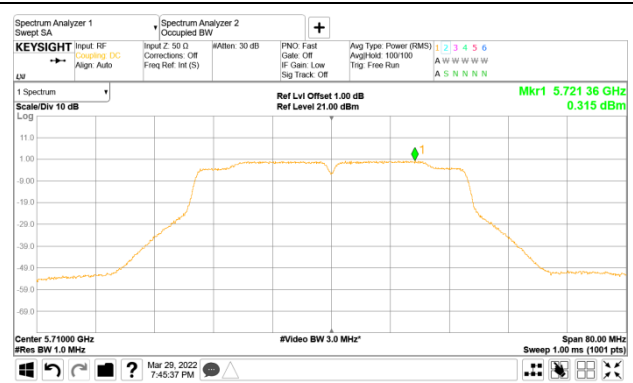
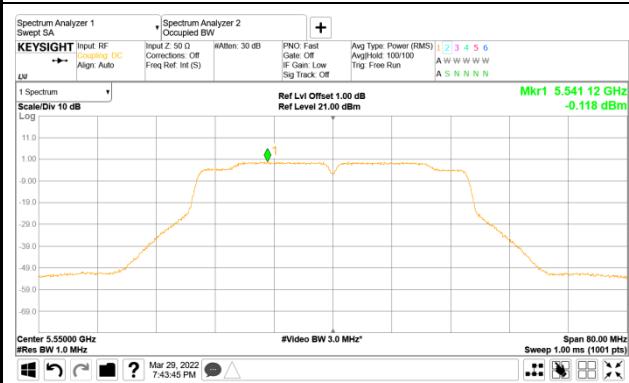
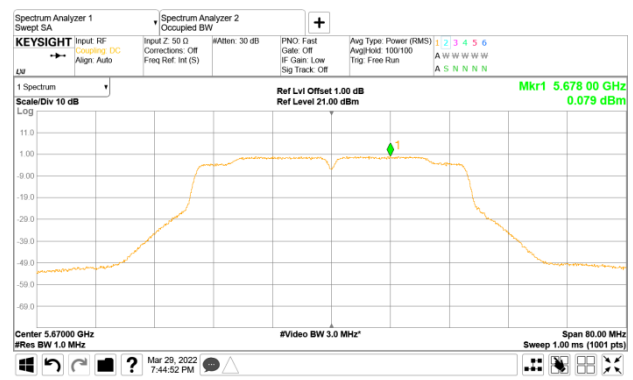
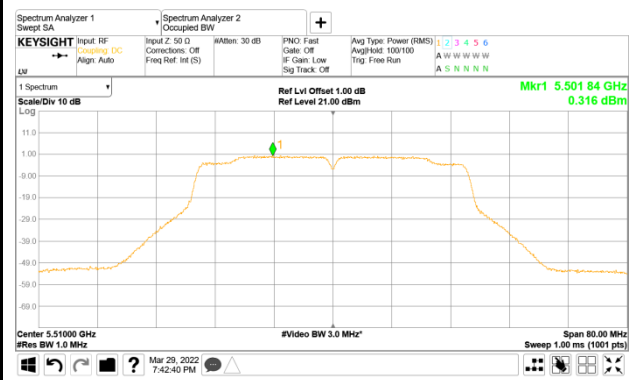
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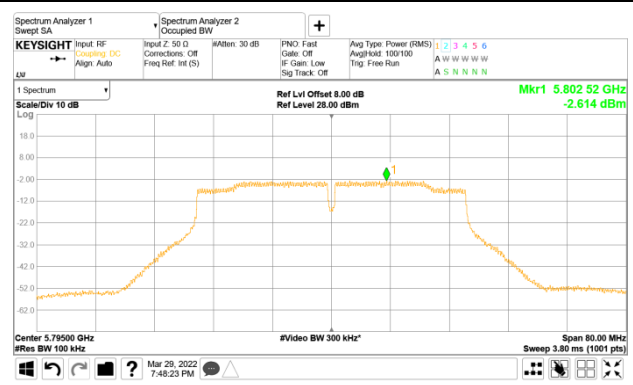
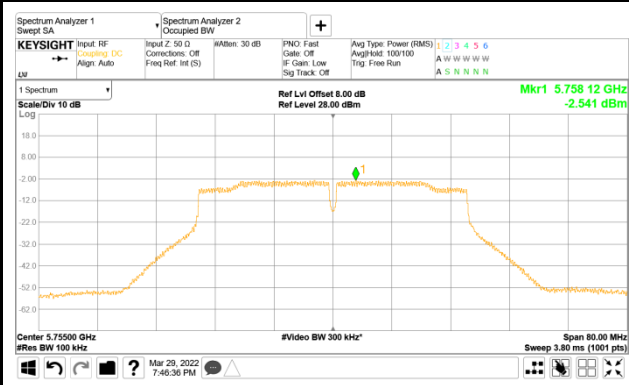
ANT A (AUX) Port

Mode: 802.11n-HT40

U-NII Band 2C

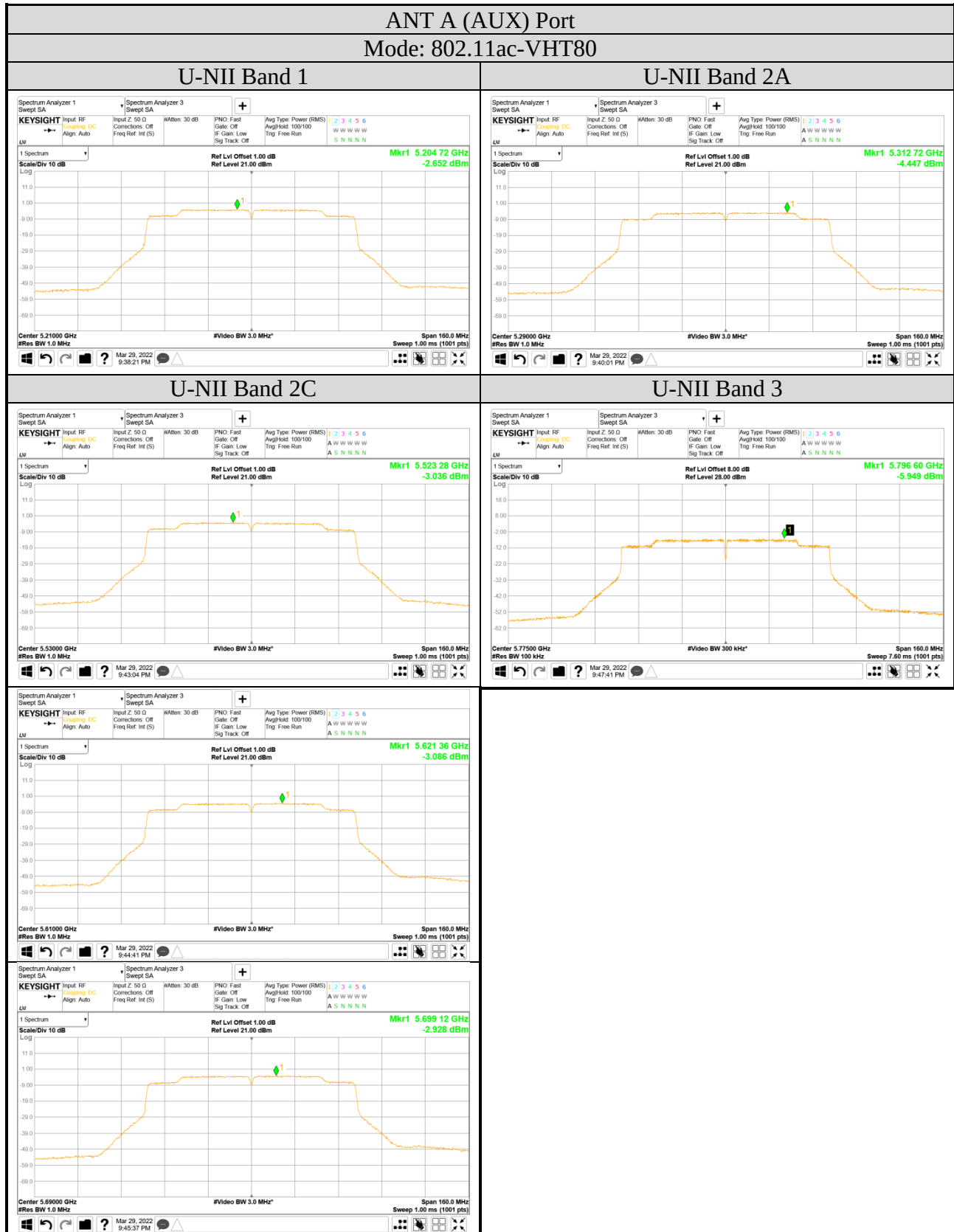


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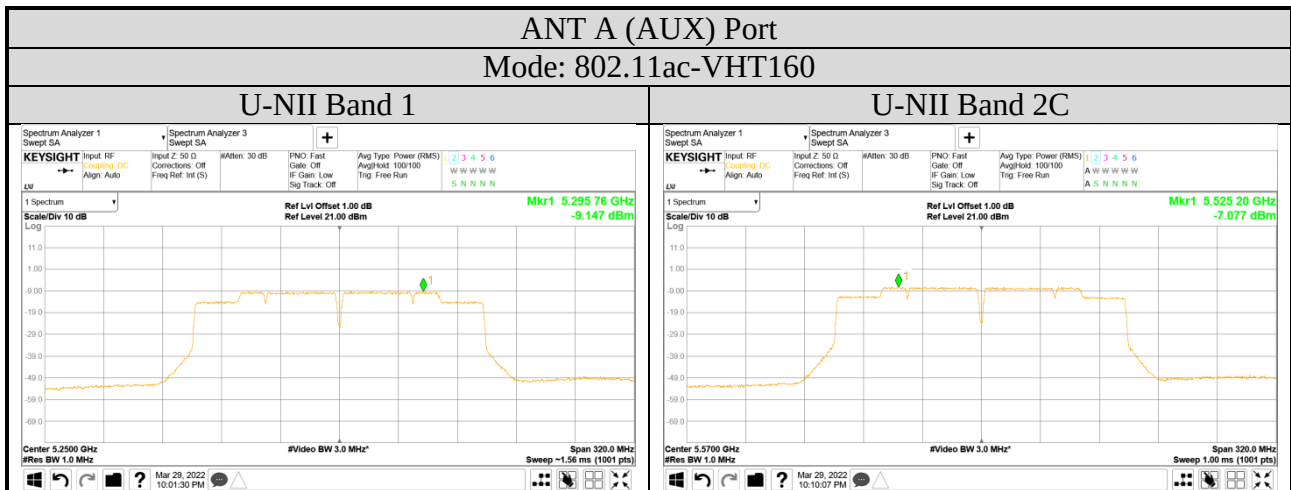
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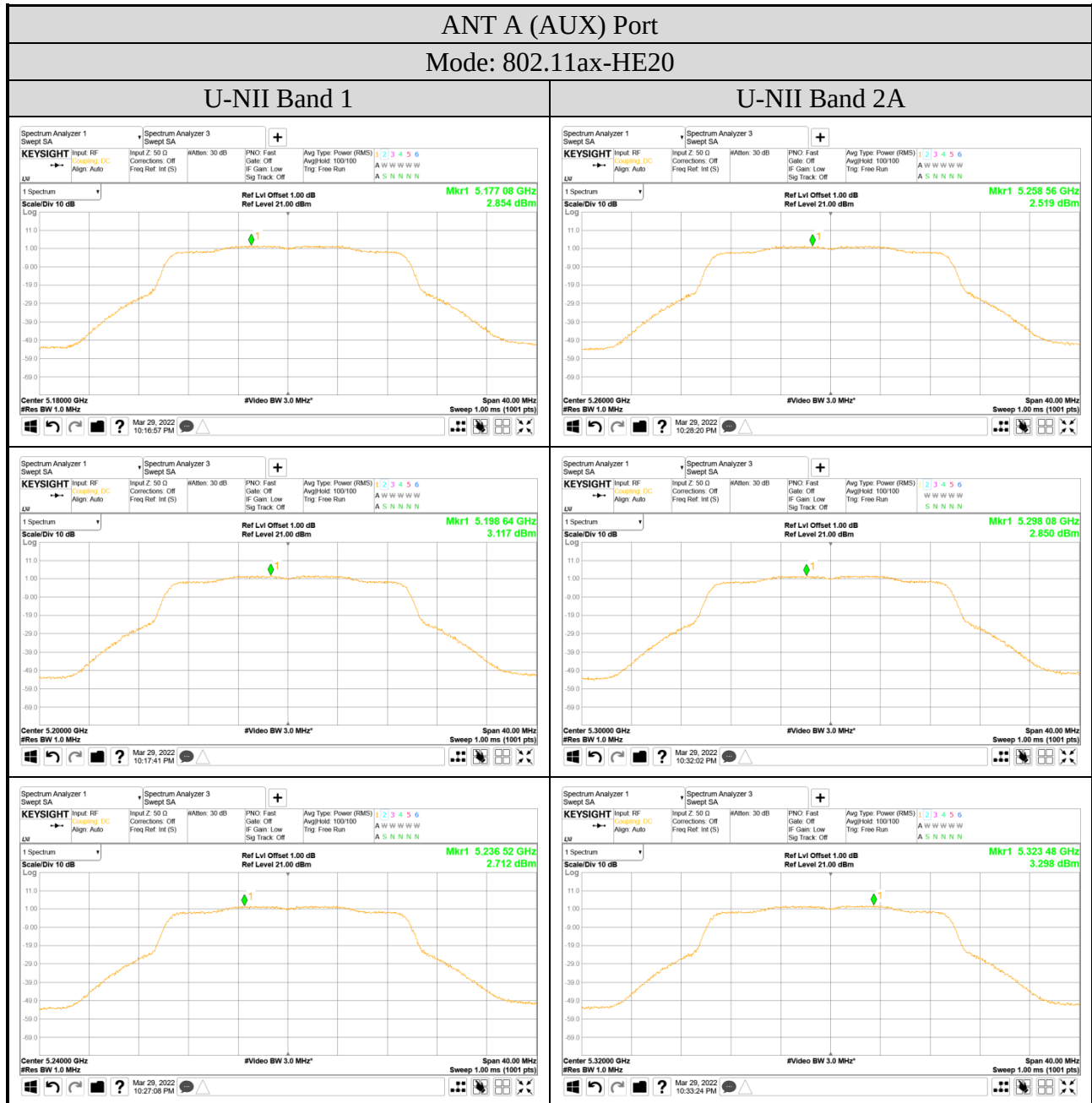
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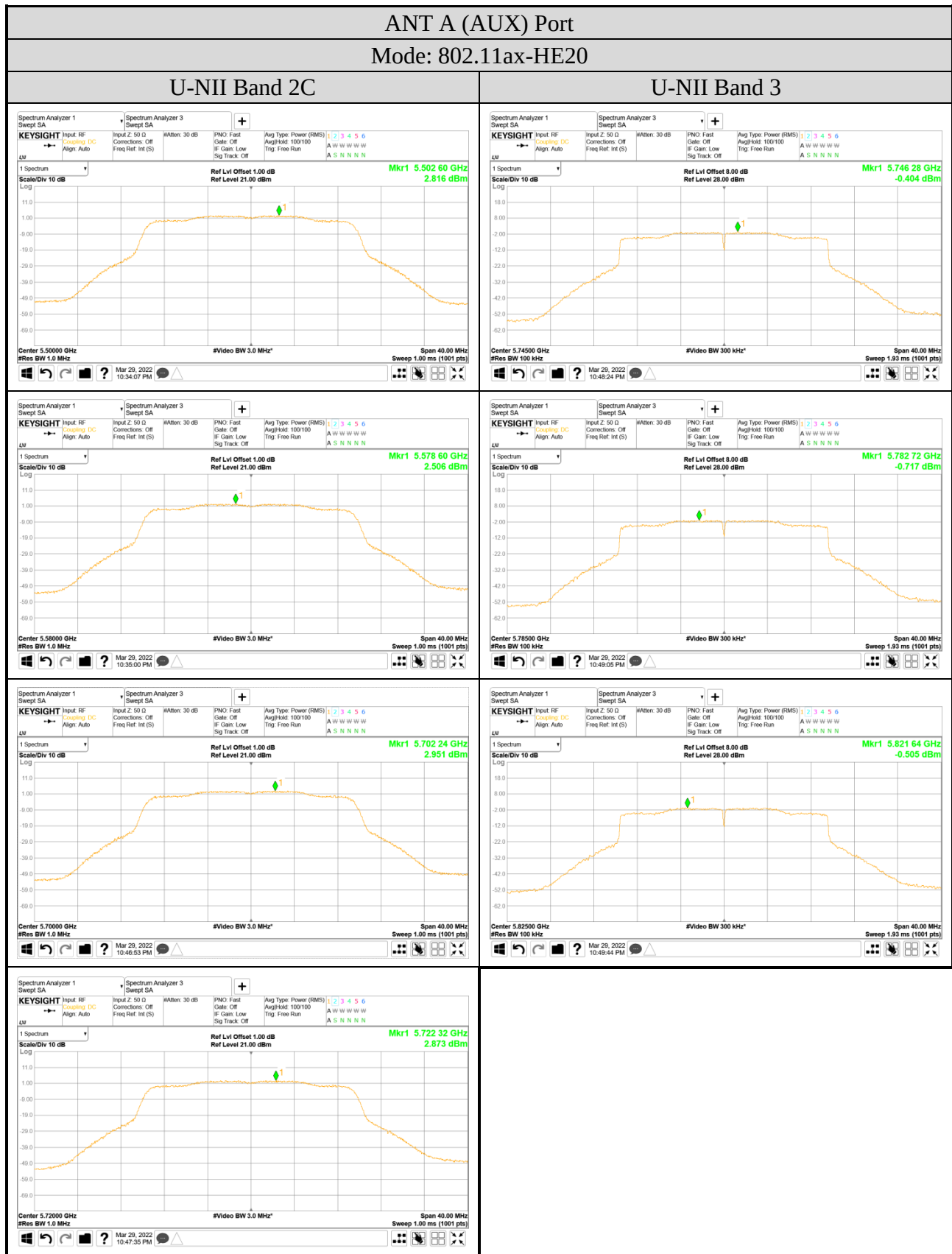
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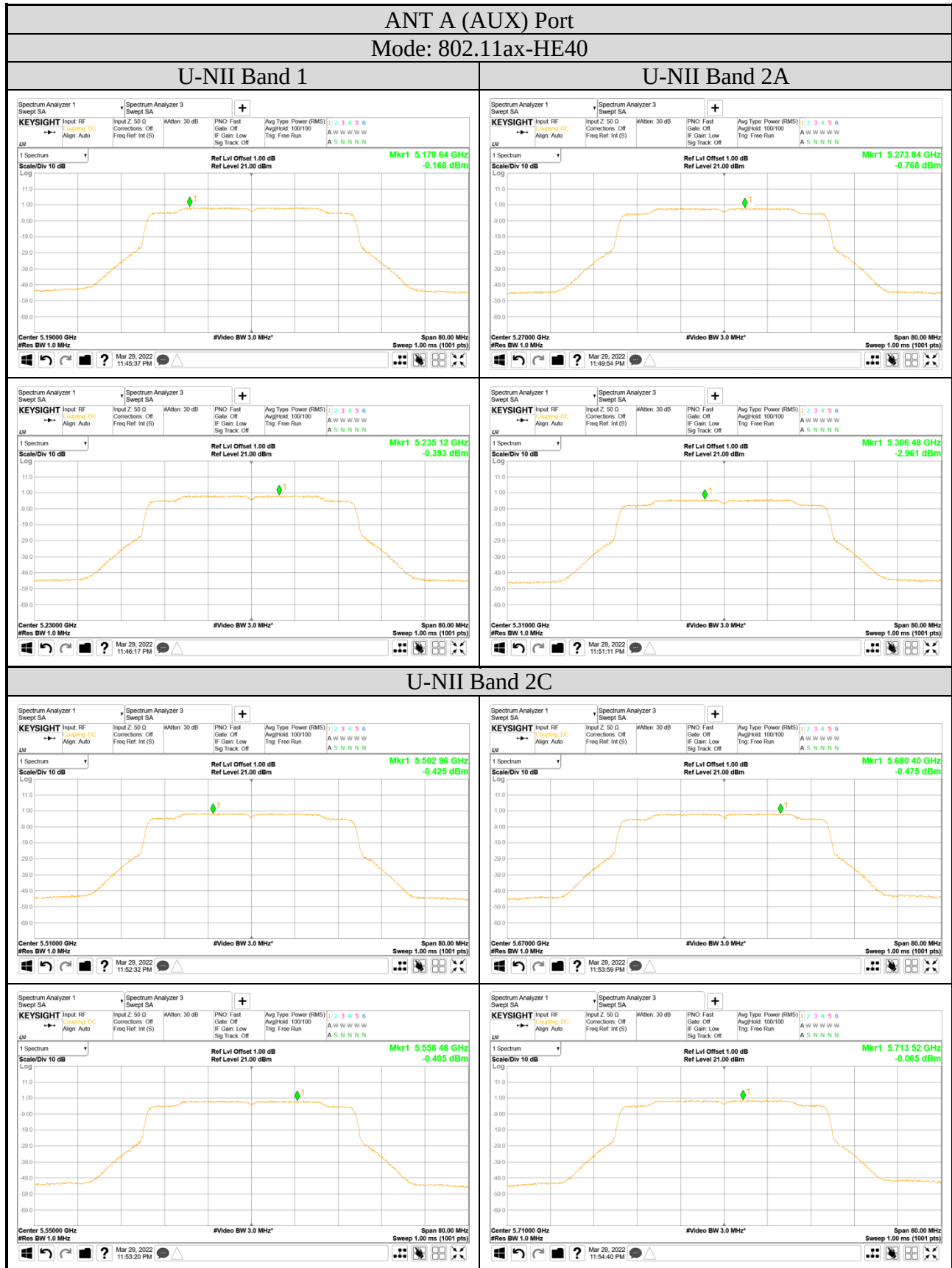
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