

A.6 POWER SPECTRAL DENSITY

Test Date	2022/04/18 ~ 28	Temp./Hum.	19~24°C/56 ~ 66%
Cable Loss	0.50dB	Tested By	Sam Chang
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

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	-3.290	-3.180	-3.180	<8 dBm/3kHz
	2442	-2.460	-2.160	-2.160	
	2462	-3.820	-3.830	-3.820	
	2472	-7.240	-7.840	-7.240	
802.11g	2412	-7.810	-7.020	-7.020	
	2442	-4.920	-3.880	-3.880	
	2462	-8.450	-6.860	-6.860	
	2472	-13.210	-12.820	-12.820	

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

2. MAX. Power Spectral Density (dBm) = Max of each Power Spectral Density (dBm).

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) <small>Note 2</small>	Limit
		AUX	Main		
802.11n-HT20	2412	-8.270	-8.450	-5.349	<8 dBm/3kHz
	2442	-6.470	-7.430	-3.913	
	2462	-9.090	-9.070	-6.070	
	2472	-15.900	-16.030	-12.954	
802.11n-HT40	2422	-12.740	-12.890	-9.804	
	2442	-12.150	-11.850	-8.987	
	2452	-12.640	-12.720	-9.670	
	2462	-18.020	-18.220	-15.109	
802.11ax-HE20	2412	-9.800	-9.560	-6.668	
	2442	-7.480	-7.910	-4.679	
	2462	-9.870	-9.940	-6.895	
	2472	-16.760	-16.900	-13.819	
802.11ax-HE40	2422	-14.220	-14.200	-11.200	
	2442	-13.690	-12.300	-9.929	
	2452	-13.070	-13.200	-10.124	
	2462	-18.790	-18.240	-15.496	

Mode	RU Configuration	Centre Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) <small>Note 2</small>	Limit
			AUX	Main		
802.11ax-HE20	26/0	2412	-1.710	-1.120	1.605	<8 dBm/3kHz
	52/37		-3.400	-3.690	-0.532	
	106/53		-7.310	-7.510	-4.399	
	26/8	2472	-17.790	-15.590	-13.542	
	52/40		-18.030	-16.590	-14.240	
	106/54		-19.330	-18.760	-16.025	
802.11ax-HE40	242/61	2422	-10.630	-10.940	-7.772	
	242/62	2462	-18.400	-18.060	-15.216	

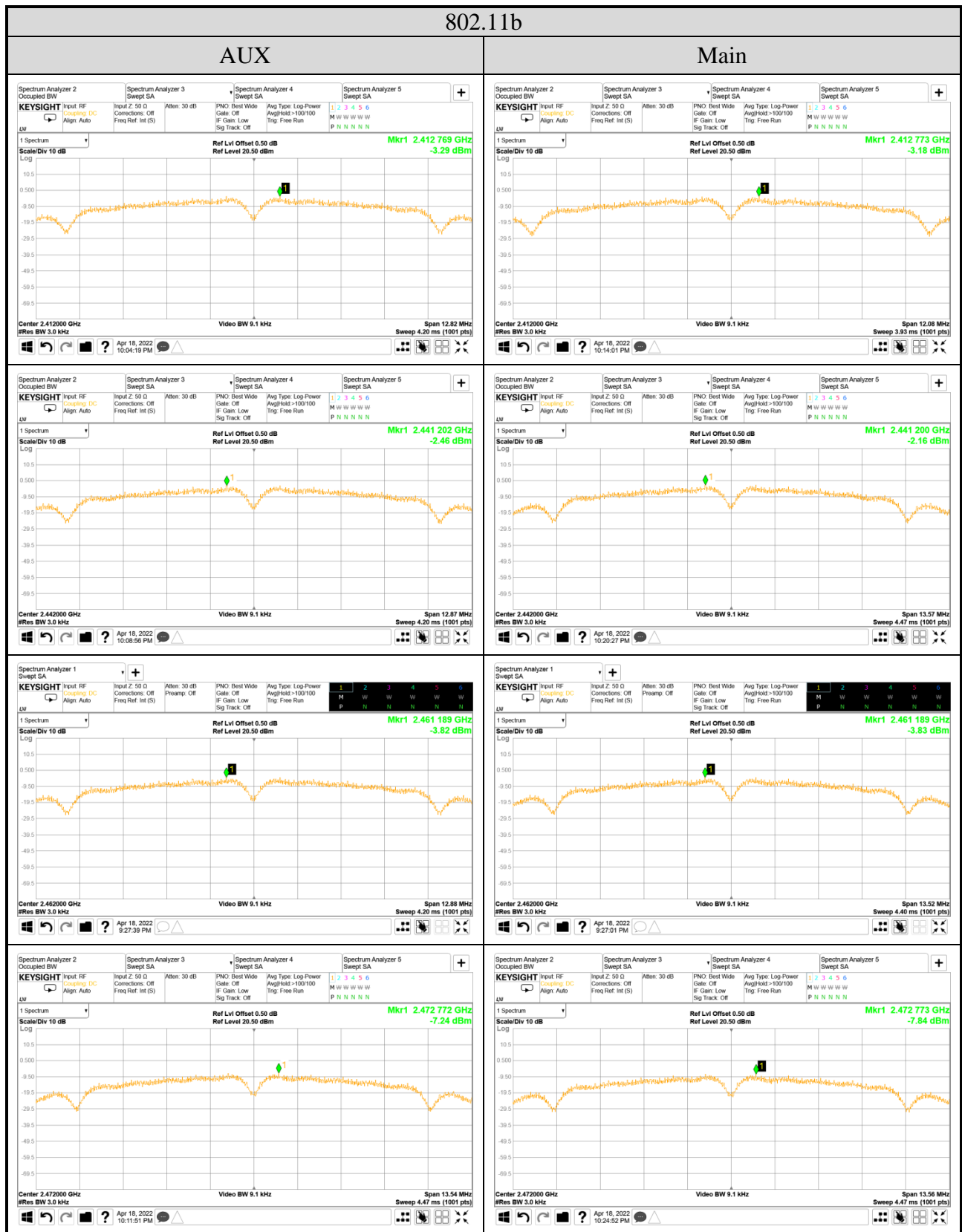
Note: 1. All results have been included cable loss.

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm) = Sum to individual Power Spectral Density (dBm).

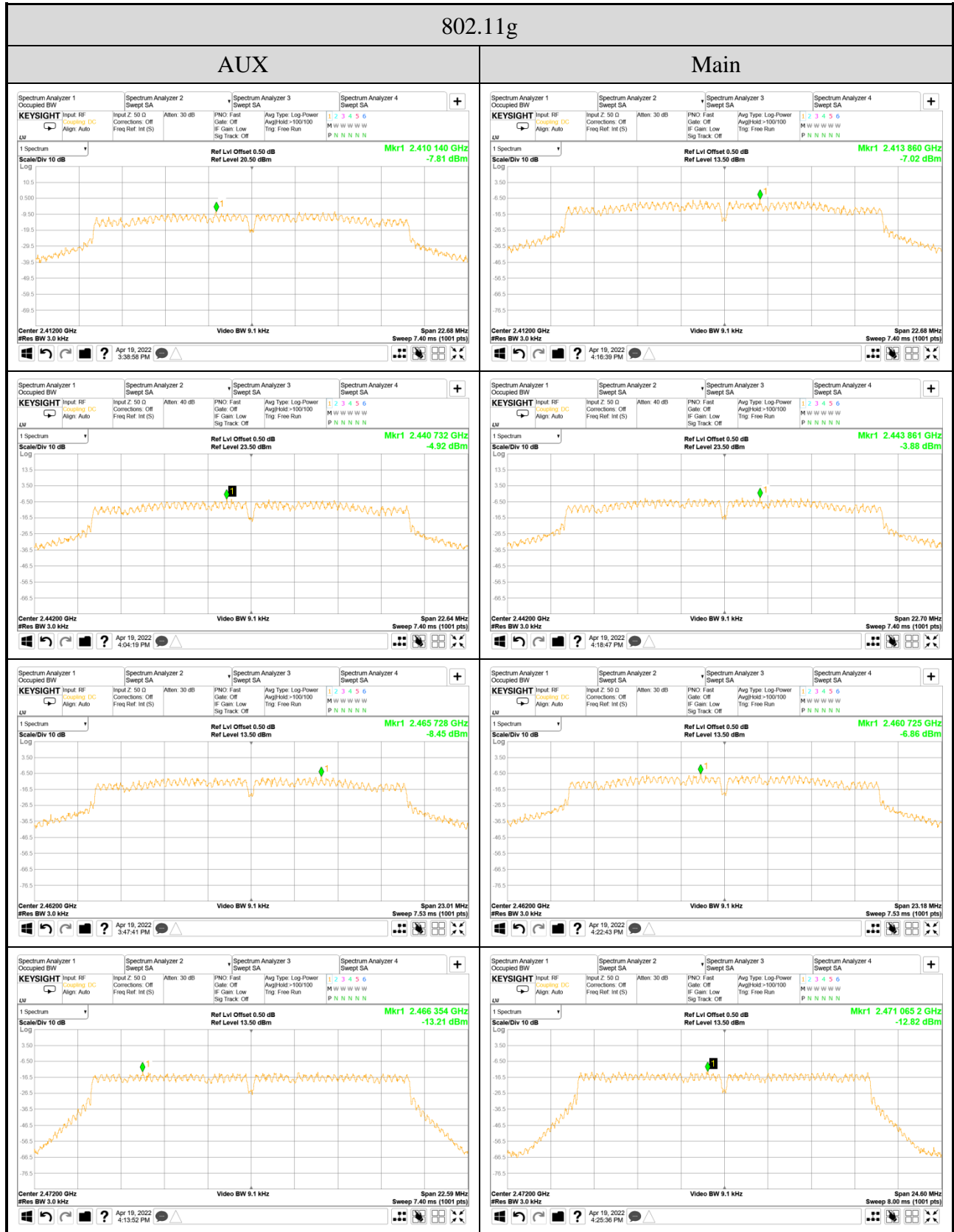
Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	-12.65	<8 dBm/3kHz
	2440	-12.84	
	2480	-12.54	

Note: All results have been included cable loss and Simultaneous Factor.

A.6.2 Measurement Plots

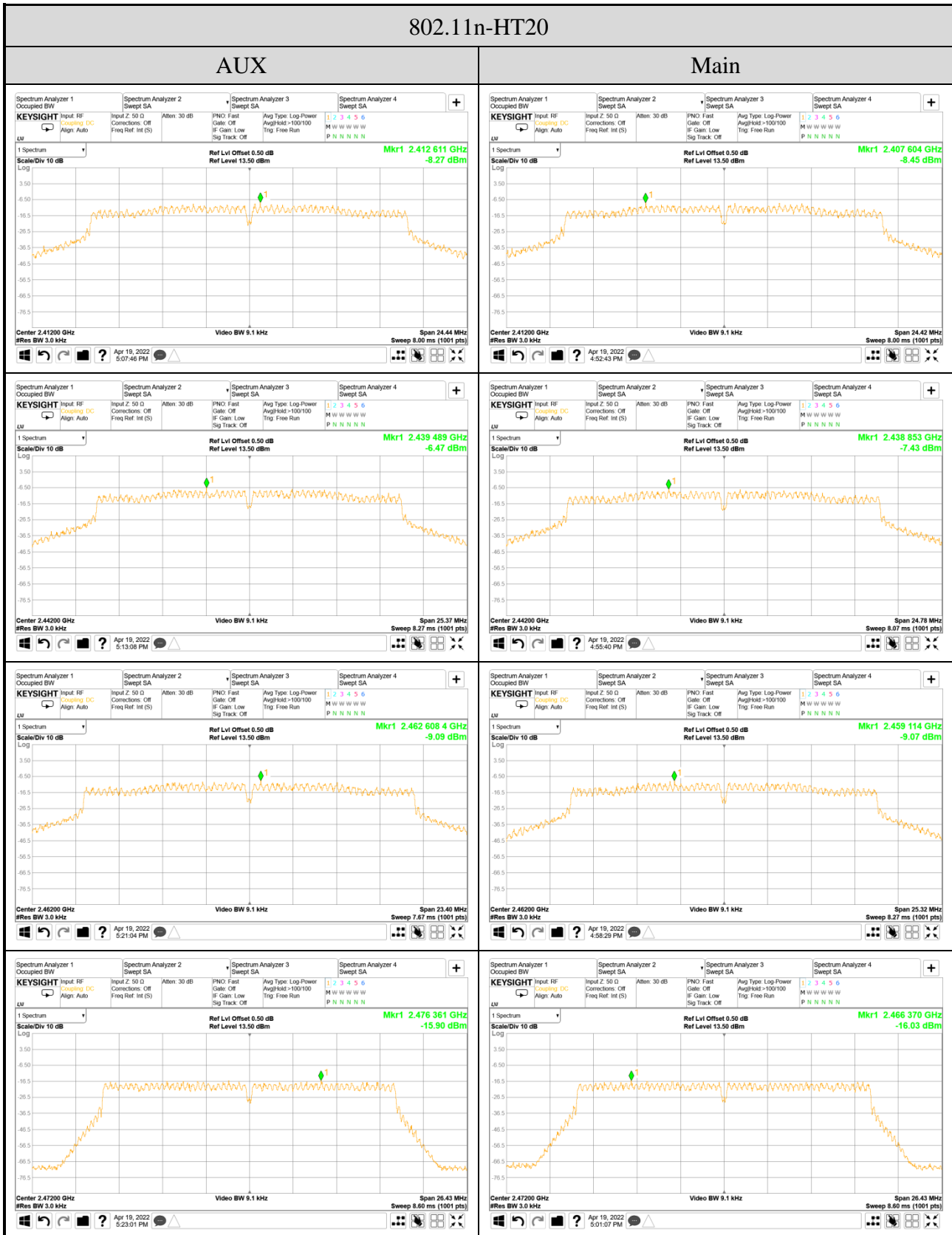


Note: All results have been included cable loss and Simultaneous Factor.



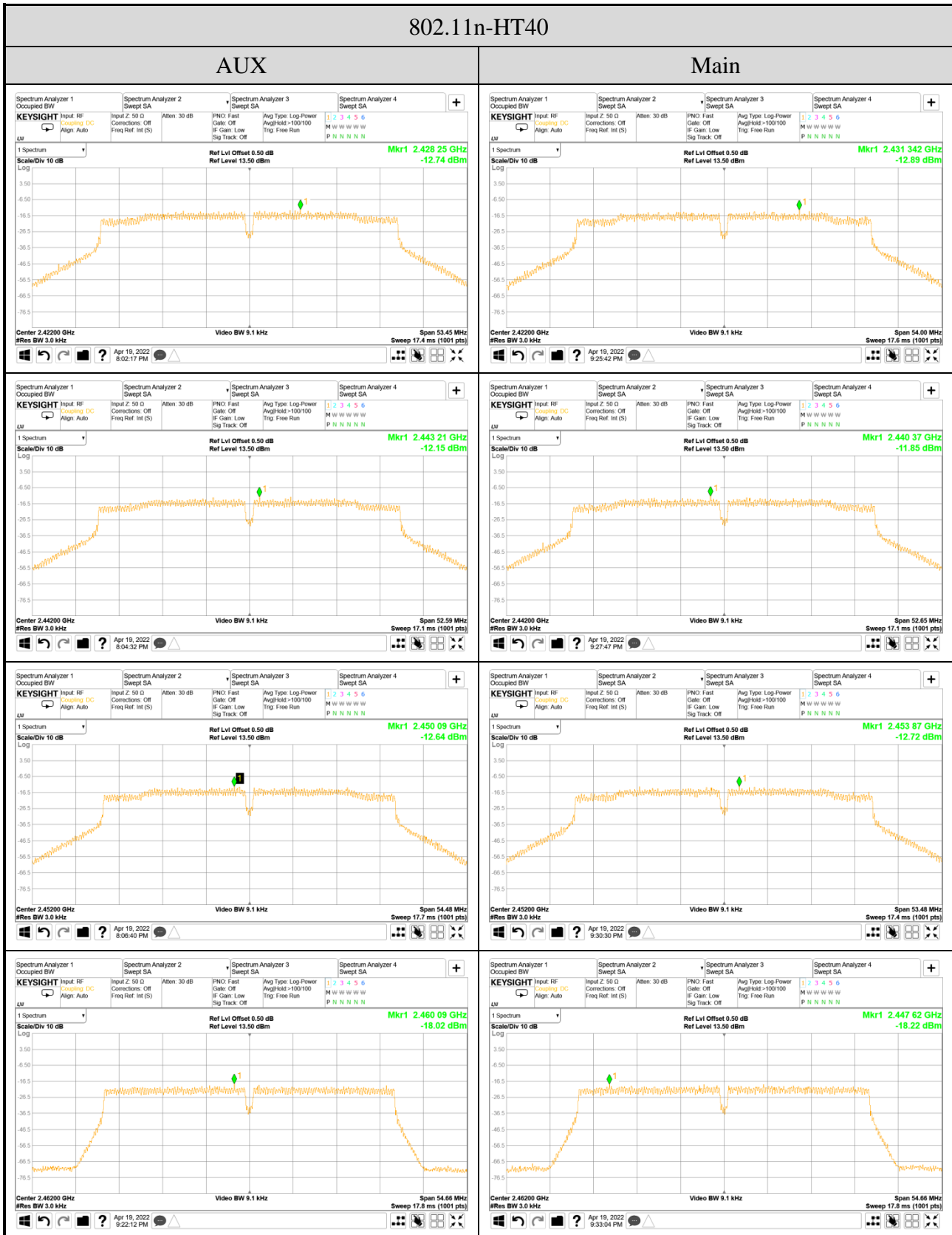
Note: All results have been included cable loss and Simultaneous Factor.

802.11n-HT20

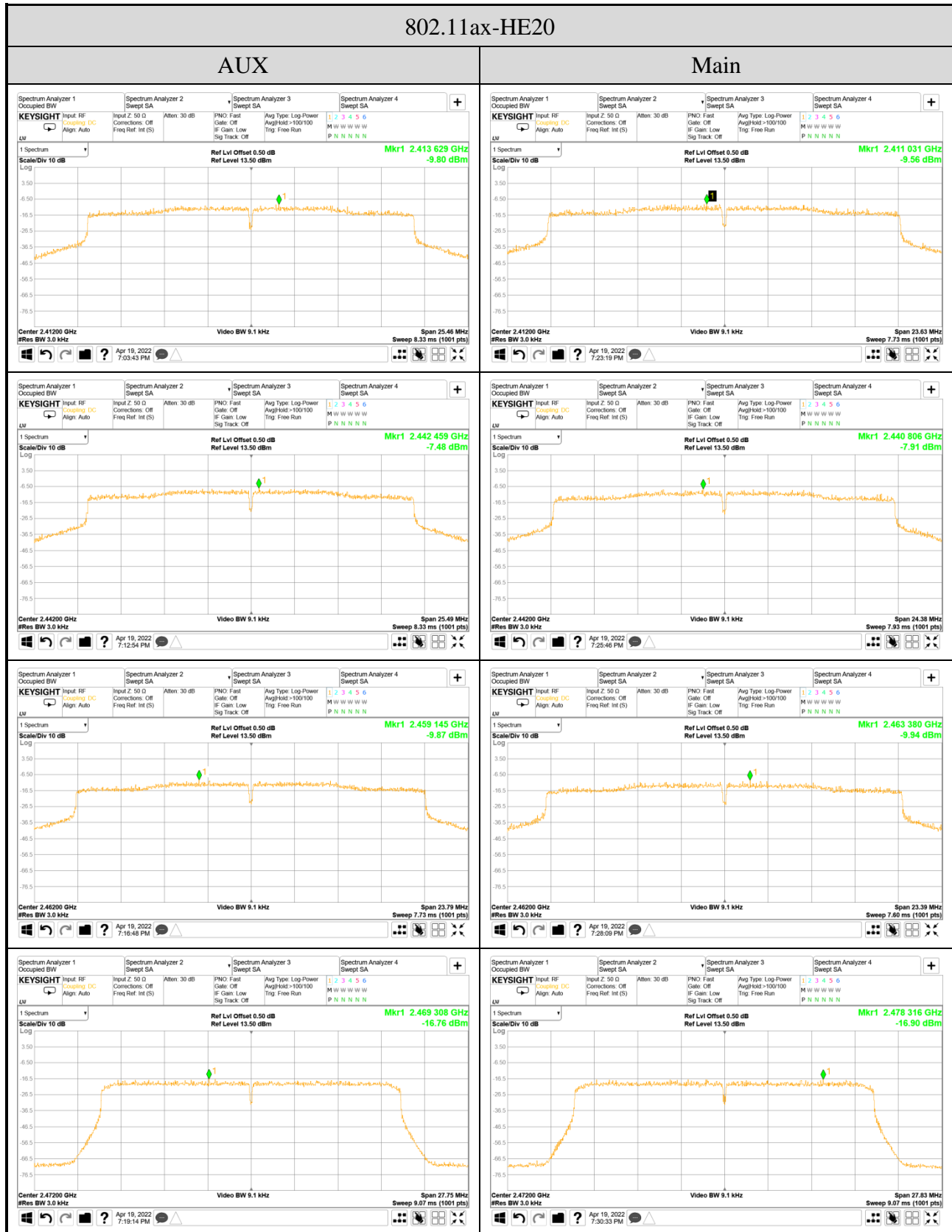


Note: All results have been included cable loss and Simultaneous Factor.

802.11n-HT40

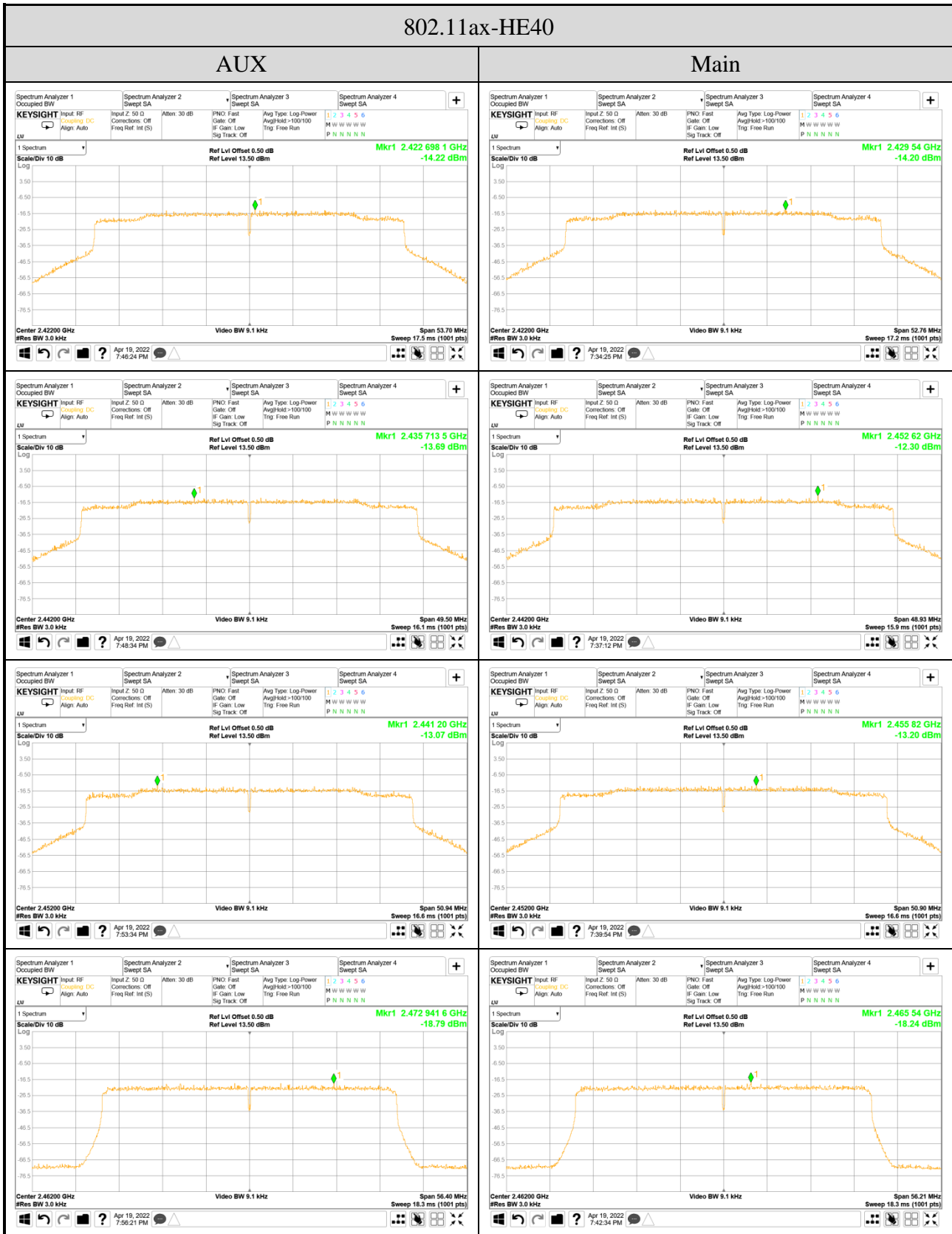


Note: All results have been included cable loss and Simultaneous Factor.

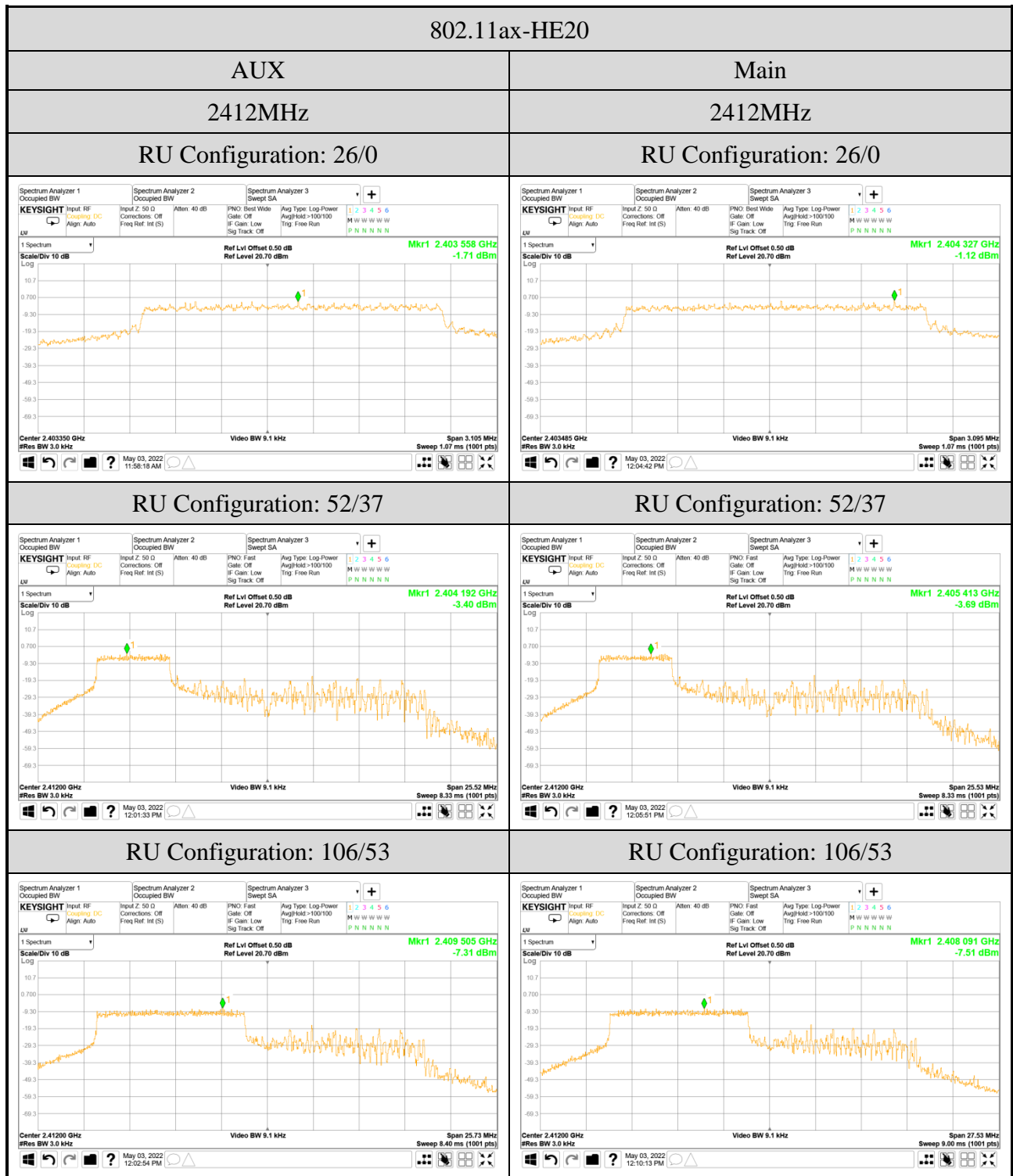


Note: All results have been included cable loss and Simultaneous Factor.

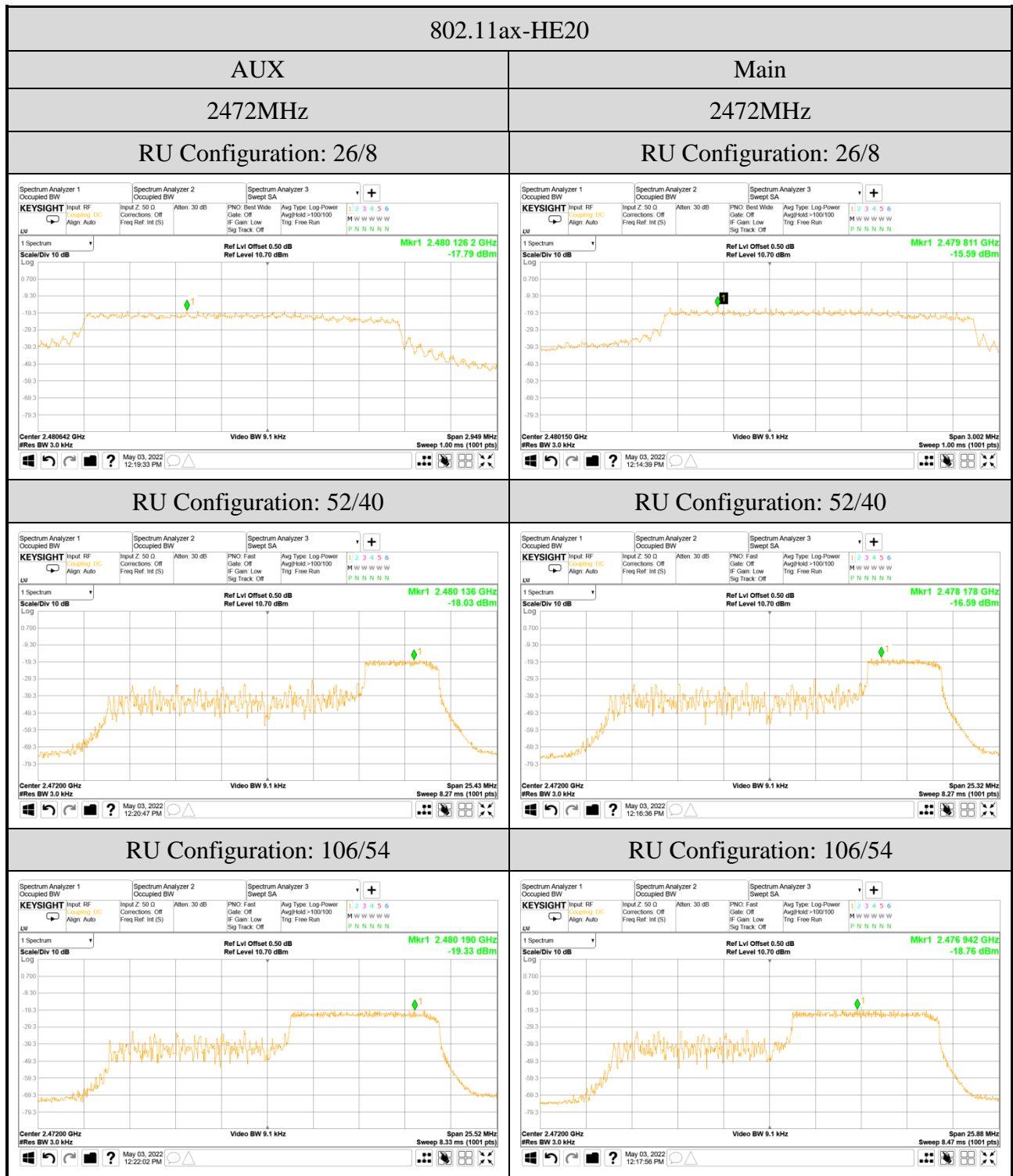
802.11ax-HE40



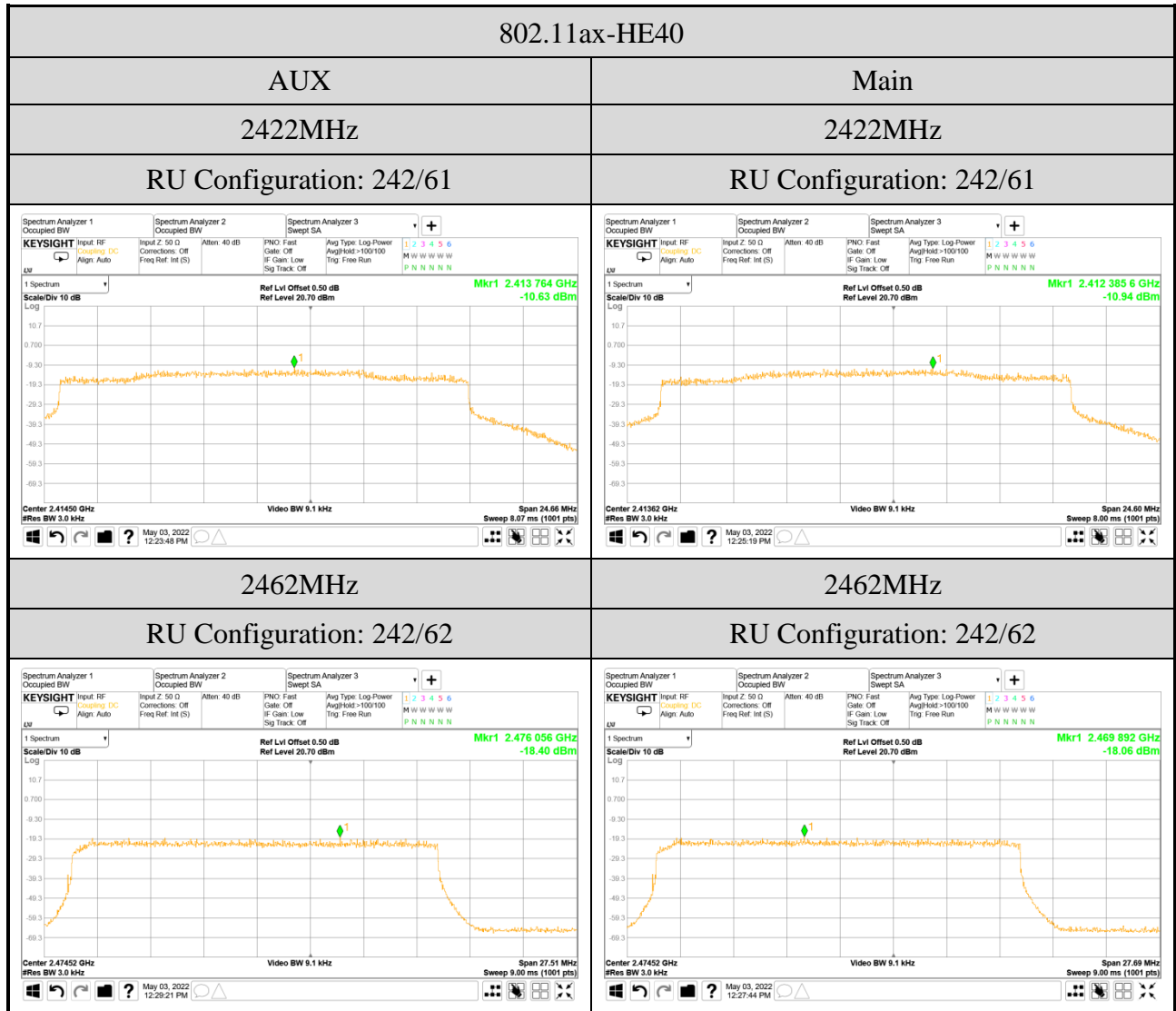
Note: All results have been included cable loss and Simultaneous Factor.



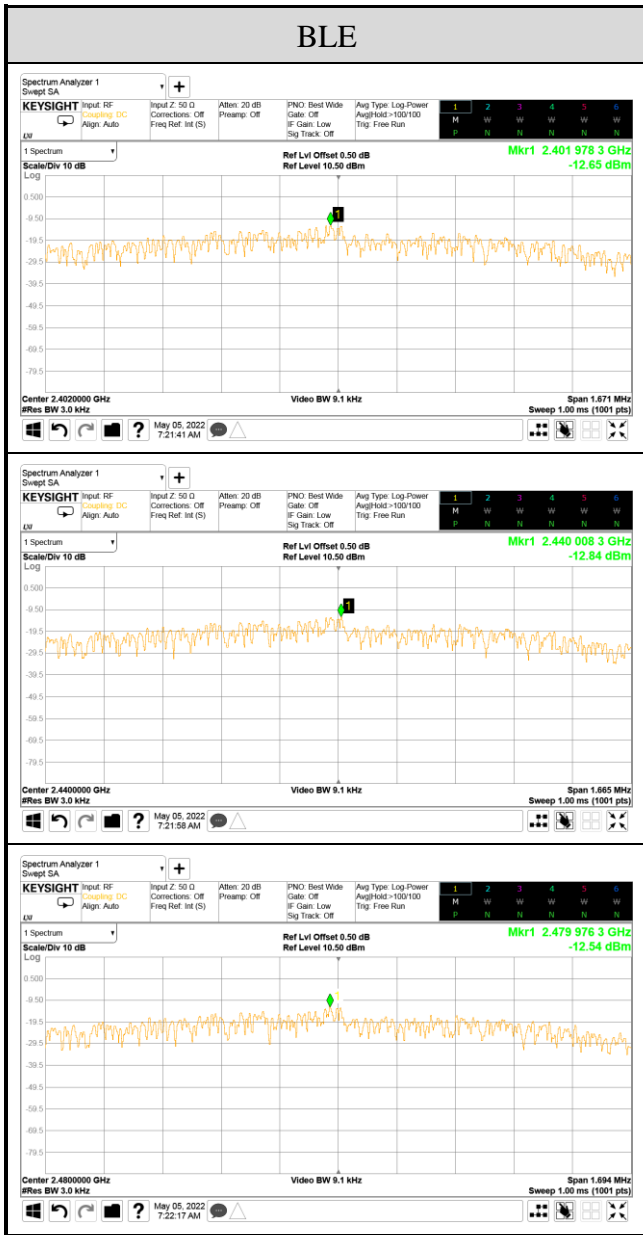
Note: All results have been included cable loss and Simultaneous Factor.



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