

## A.6 POWER SPECTRAL DENSITY

Test Date	2022/10/18 ~21	Temp./Hum.	24°C/63-71%
Cable Loss	0.50dB	Tested By	Kuper Hsu
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) <small>Note 2</small>	Limit
		AUX	Main		
802.11b	2412	-2.410	-2.440	-2.410	<8 dBm/3kHz
	2442	-2.380	-2.310	-2.310	
	2462	-2.990	-2.310	-2.310	
	2472	-5.940	-6.600	-5.940	
802.11g	2412	-7.070	-6.660	-6.660	
	2442	-4.800	-3.150	-3.150	
	2462	-7.340	-5.890	-5.890	
	2472	-13.130	-13.100	-13.100	

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	-9.060	-8.790	-5.913	<8 dBm/3kHz
	2442	-4.330	-3.380	-0.819	
	2462	-9.550	-8.050	-5.725	
	2472	-18.540	-18.850	-15.682	
802.11n-HT40	2422	-11.590	-11.450	-8.509	
	2442	-10.470	-11.450	-7.922	
	2452	-12.500	-12.300	-9.389	
	2462	-21.810	-21.160	-18.463	
802.11ax-HE20	2412	-9.690	-9.680	-6.675	
	2442	-3.640	-3.650	-0.635	
	2462	-8.780	-9.220	-5.984	
	2472	-19.620	-19.460	-16.529	
802.11ax-HE40	2422	-14.240	-13.220	-10.690	
	2442	-12.770	-12.030	-9.374	
	2452	-14.450	-13.030	-10.672	
	2462	-22.920	-23.000	-19.950	

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	0.780	1.660	4.253	<8 dBm/3kHz
	52/37		-1.060	0.020	2.524	
	106/53		-4.180	-3.590	-0.865	
	26/8	2472	-11.240	-11.270	-8.245	
	52/40		-12.990	-12.730	-9.848	
	106/54		-16.160	-15.550	-12.834	
802.11ax-HE40	242/61	2422	-10.520	-9.270	-6.840	
	242/62	2462	-18.790	-18.730	-15.750	

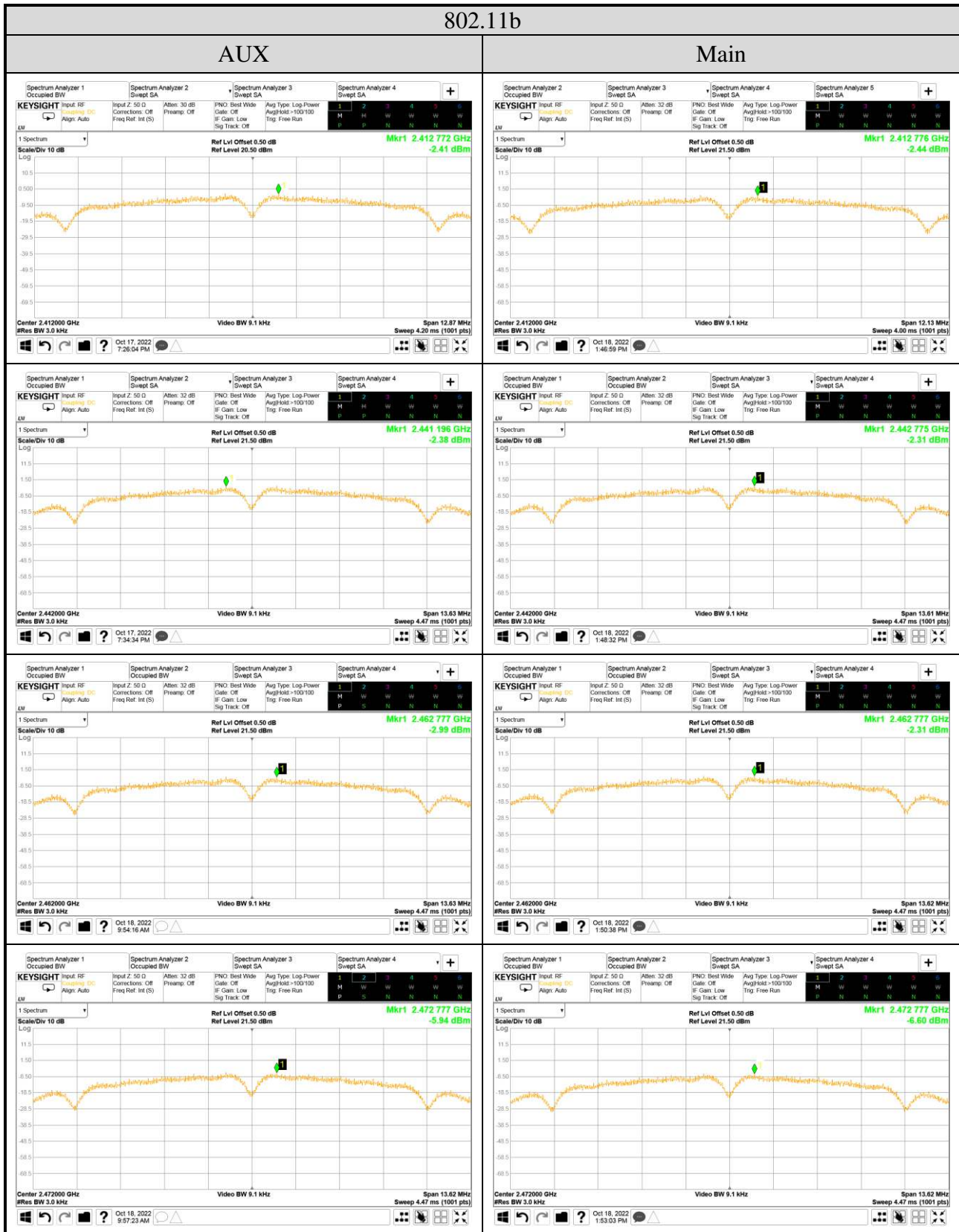
Note: 1. All results have been included cable loss.

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

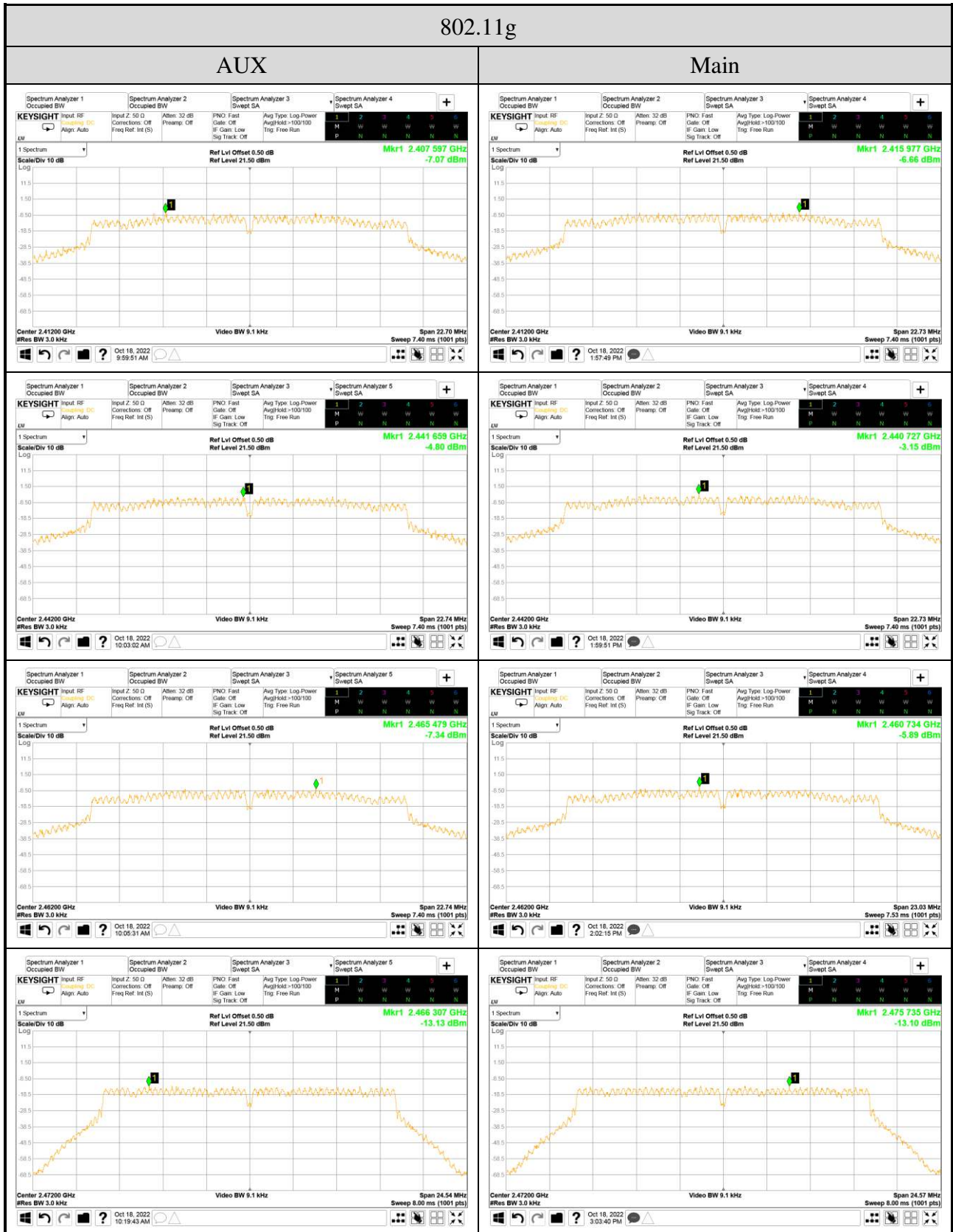
Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	-12.05	<8 dBm/3kHz
	2440	-11.72	
	2480	-11.40	

Note: All results have been included cable loss.

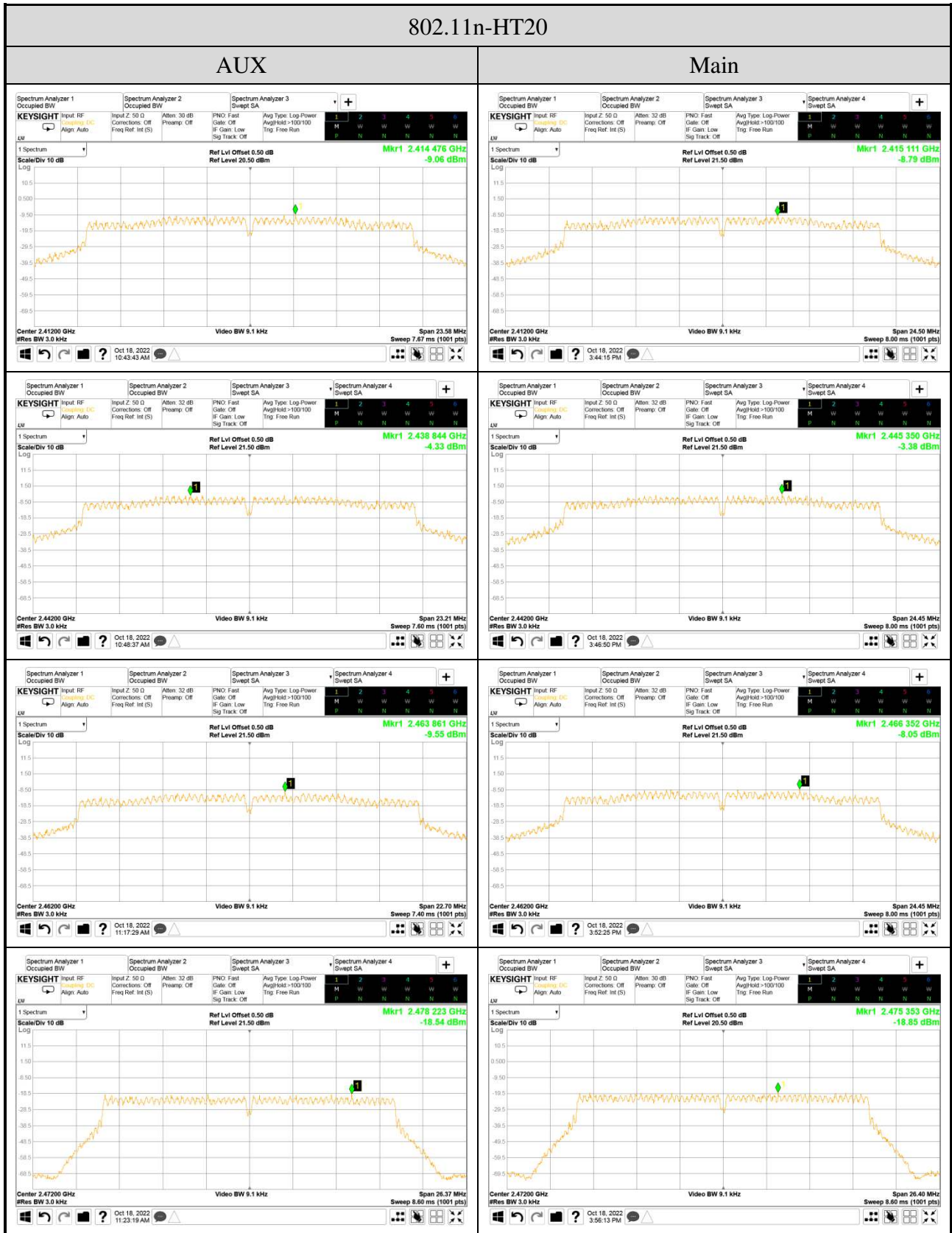
A.6.2 Measurement Plots



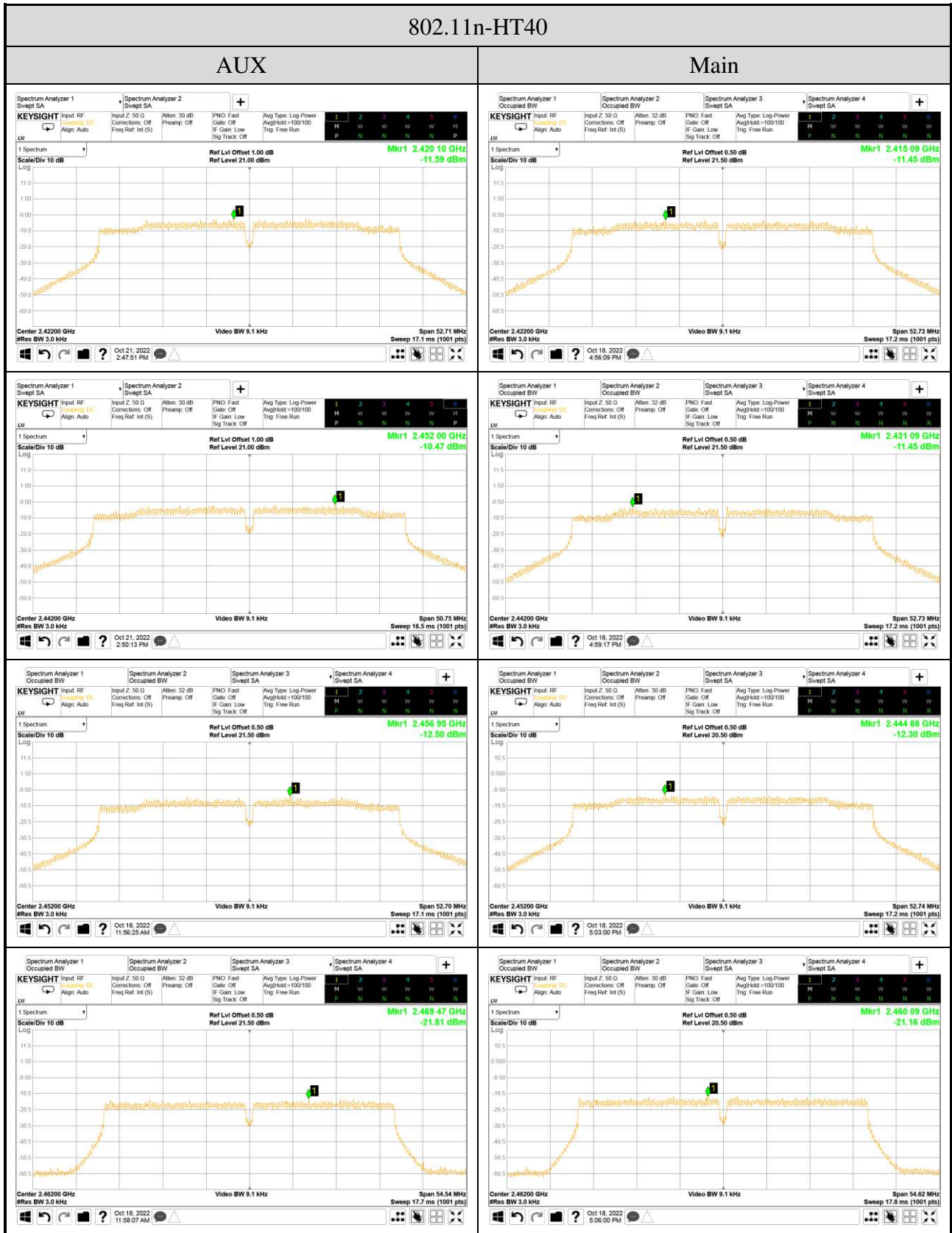
Note: All results have been included cable loss.



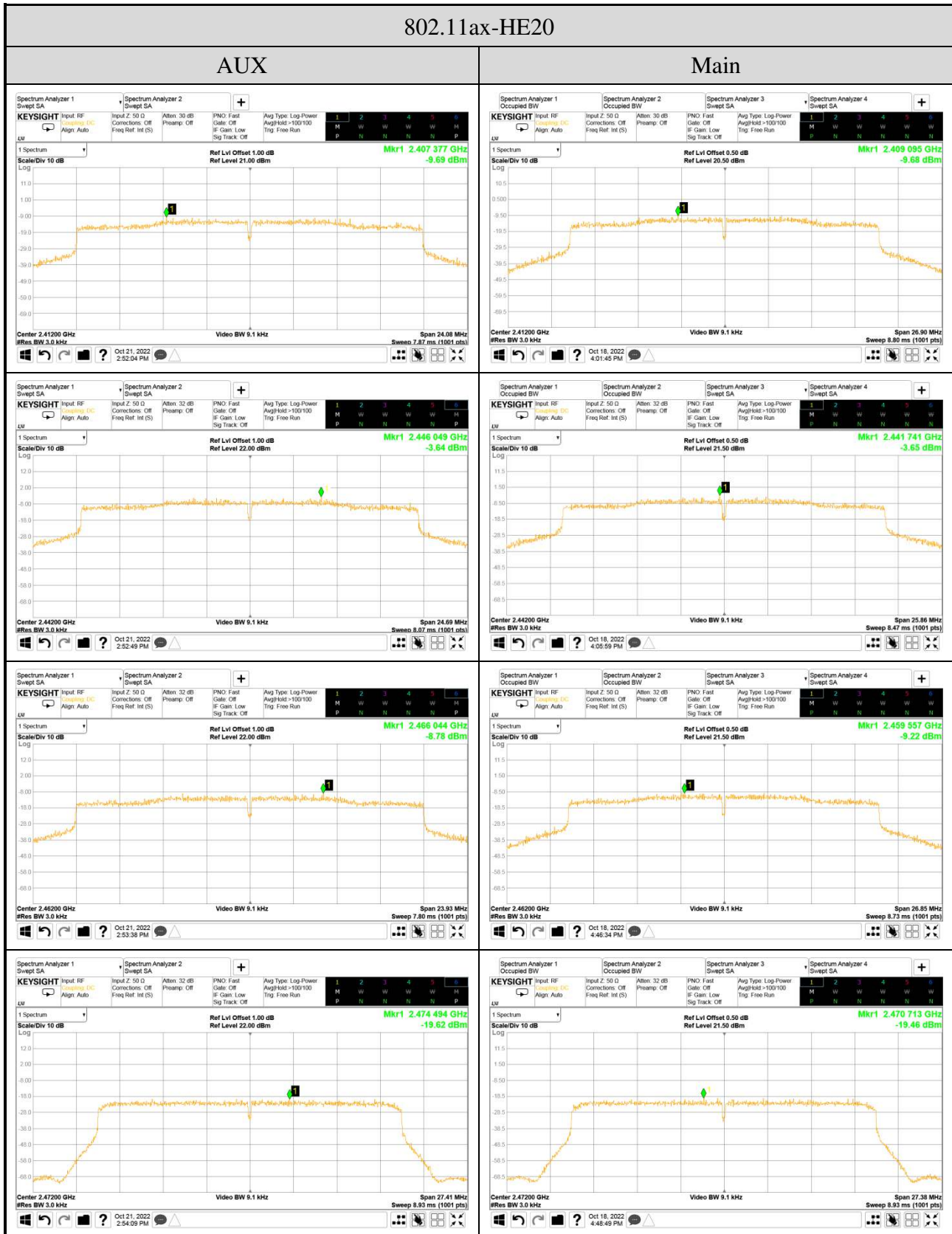
Note: All results have been included cable loss.



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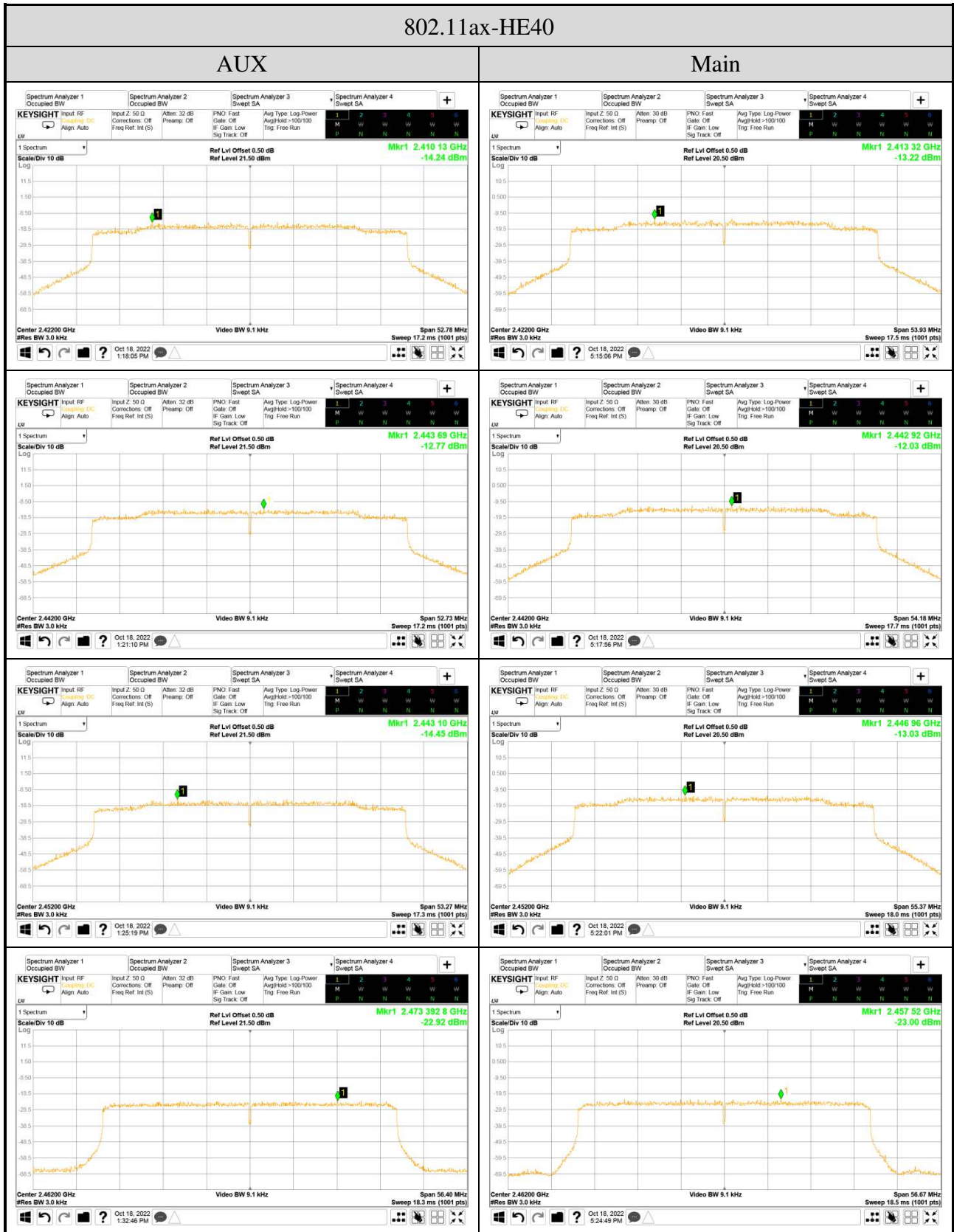


Note: All results have been included cable loss.

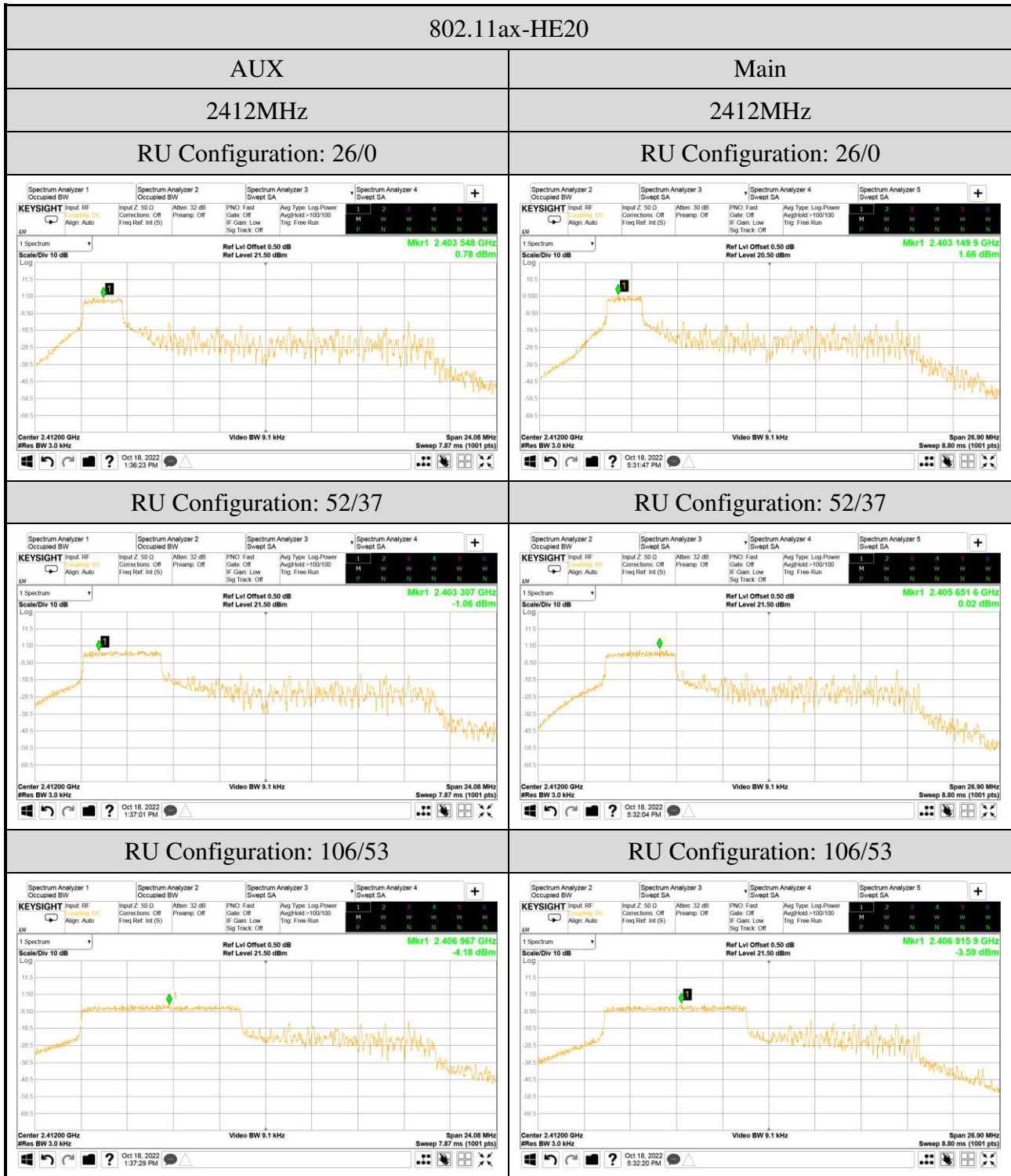


Note: All results have been included cable loss.

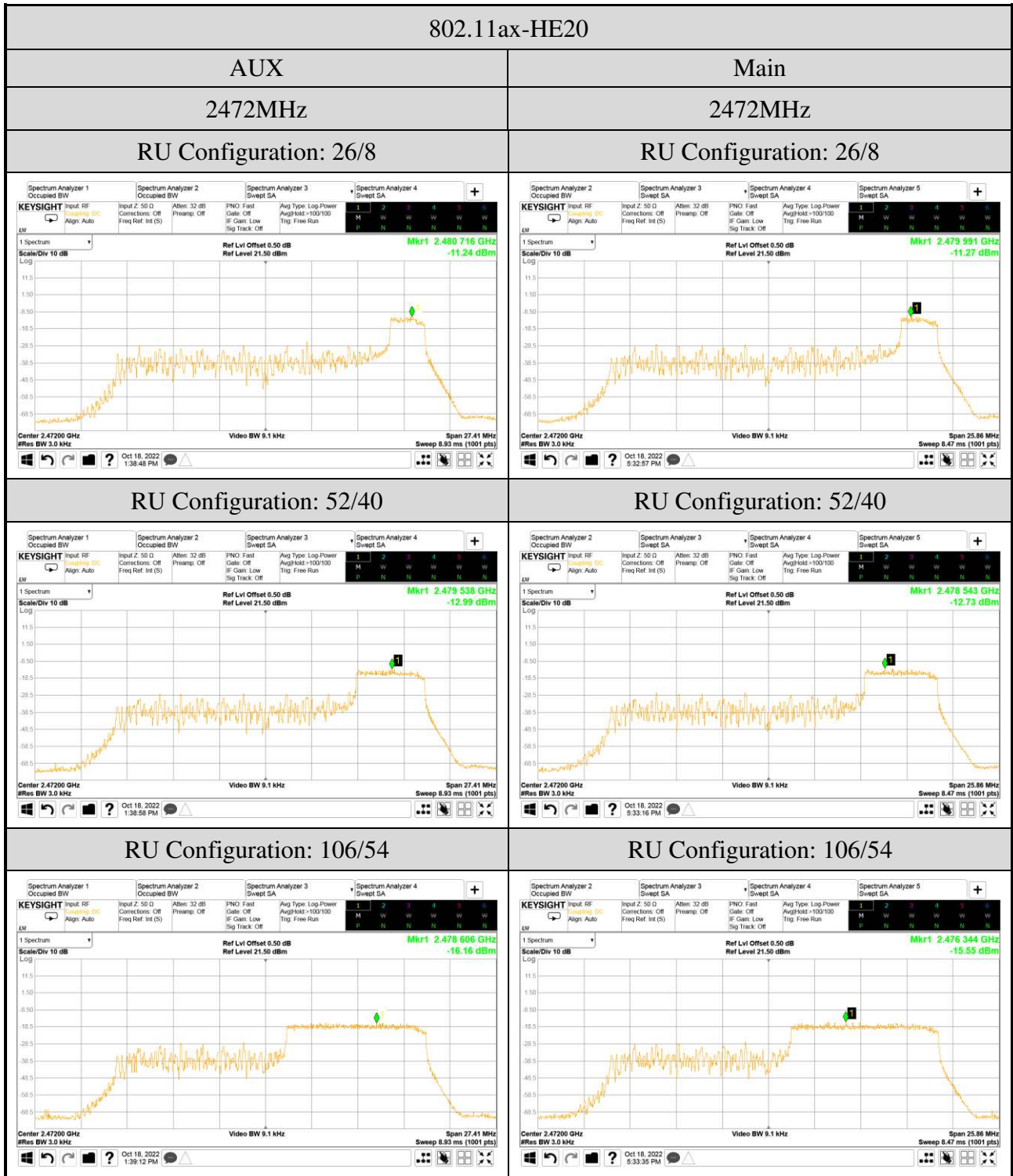




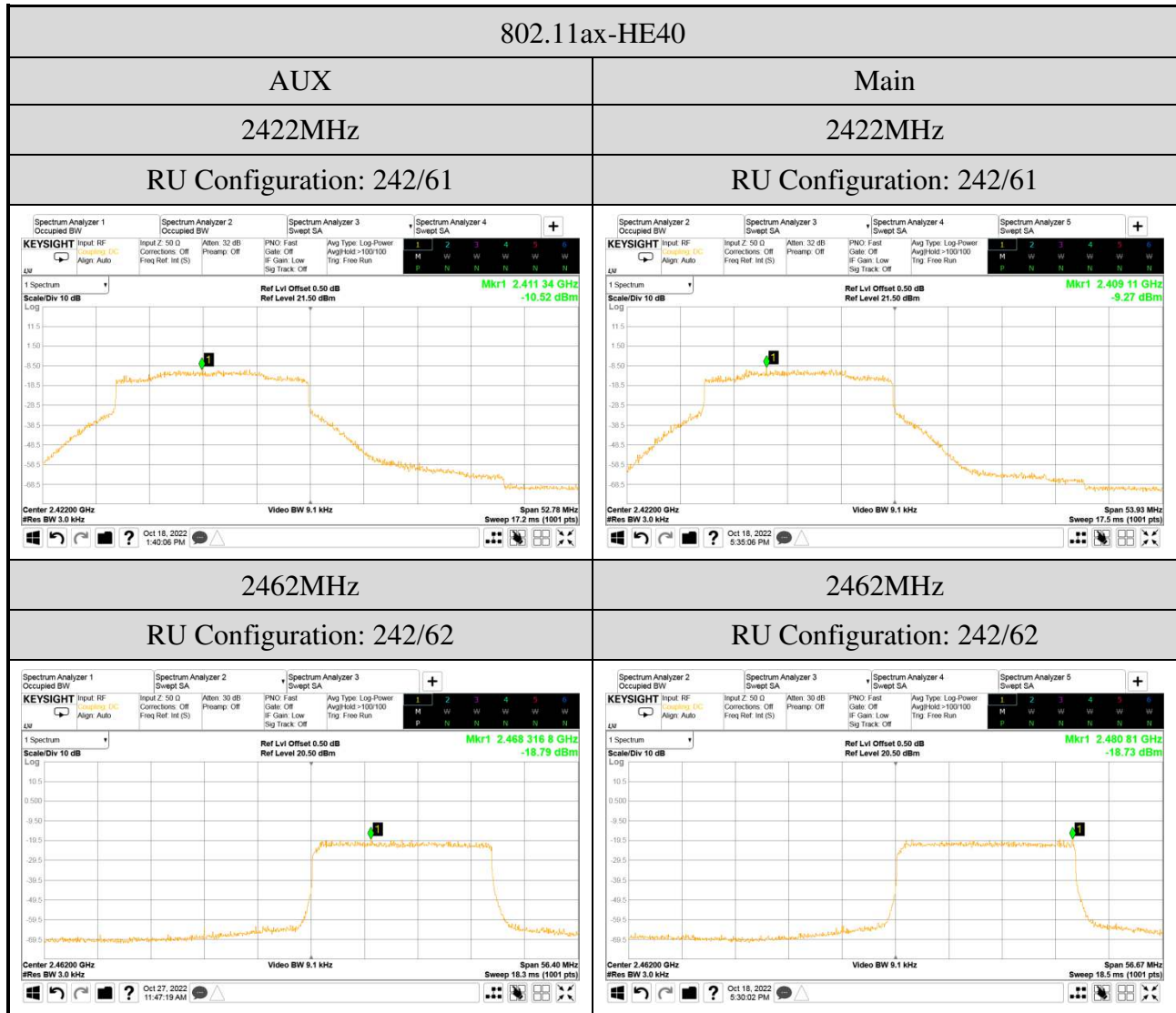
Note: All results have been included cable loss.



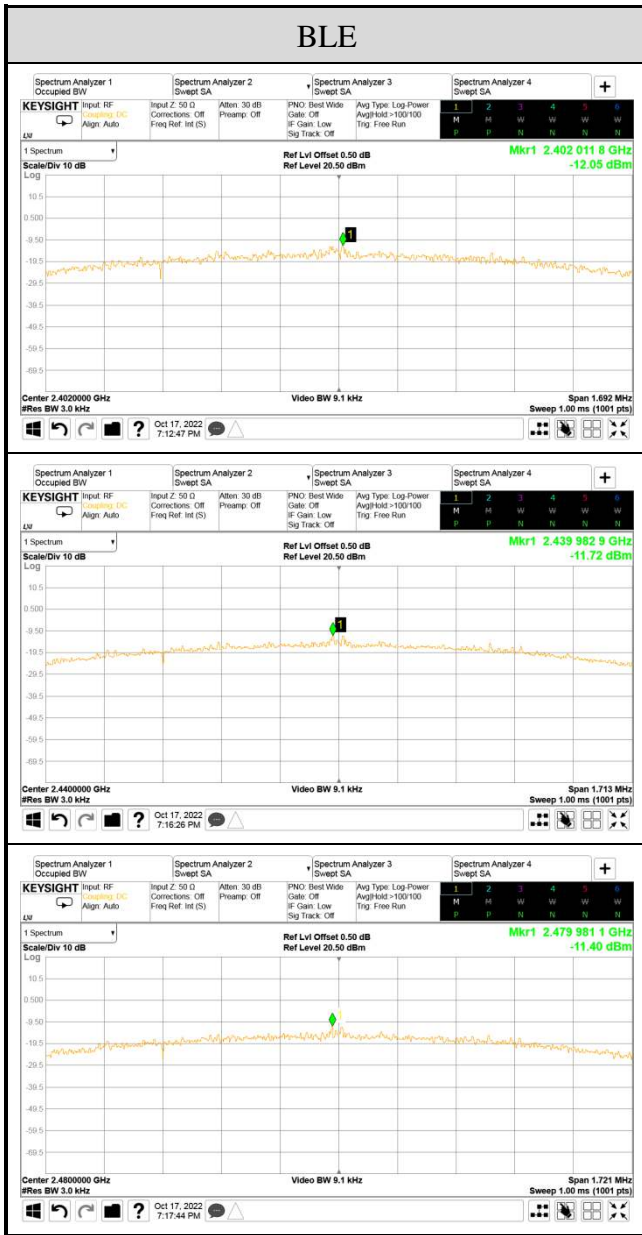
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