

A.6 POWER SPECTRAL DENSITY

Test Date	2022/10/19 ~ 21	Temp./Hum.	22~24°C/63~72%
Cable Loss	0.50dB	Tested By	Brian Hsieh
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	-2.060	-1.950	-1.950	<8 dBm/3kHz
	2442	-2.330	-1.910	-1.910	
	2462	-2.080	-2.020	-2.020	
	2472	-5.770	-6.360	-5.770	
802.11g	2412	-6.860	-6.050	-6.050	
	2442	-4.980	-4.760	-4.760	
	2462	-7.610	-7.990	-7.610	
	2472	-13.550	-13.880	-13.550	

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	-10.550	-9.940	-7.224	<8 dBm/3kHz
	2442	-4.090	-4.290	-1.179	
	2462	-9.990	-10.420	-7.189	
	2472	-18.920	-20.090	-16.455	
802.11n-HT40	2422	-13.810	-12.920	-10.332	
	2442	-13.380	-11.810	-9.514	
	2452	-13.850	-13.280	-10.545	
	2462	-21.810	-22.050	-18.918	
802.11ax-HE20	2412	-10.720	-10.310	-7.500	
	2442	-6.520	-4.860	-2.601	
	2462	-10.420	-10.330	-7.364	
	2472	-20.050	-20.200	-17.114	
802.11ax-HE40	2422	-14.810	-15.040	-11.913	
	2442	-14.320	-13.740	-11.010	
	2452	-14.260	-14.170	-11.204	
	2462	-22.670	-23.340	-19.982	

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	1.020	-0.290	3.425	<8 dBm/3kHz
	52/37		-2.780	-2.900	0.171	
	106/53		-9.270	-5.700	-4.118	
	26/8	2472	-11.410	-11.370	-8.380	
	52/40		-13.620	-13.410	-10.503	
	106/54		-16.480	-16.190	-13.322	
802.11ax-HE40	242/61	2422	-9.630	-9.770	-6.689	
	242/62	2462	-20.200	-20.180	-17.180	

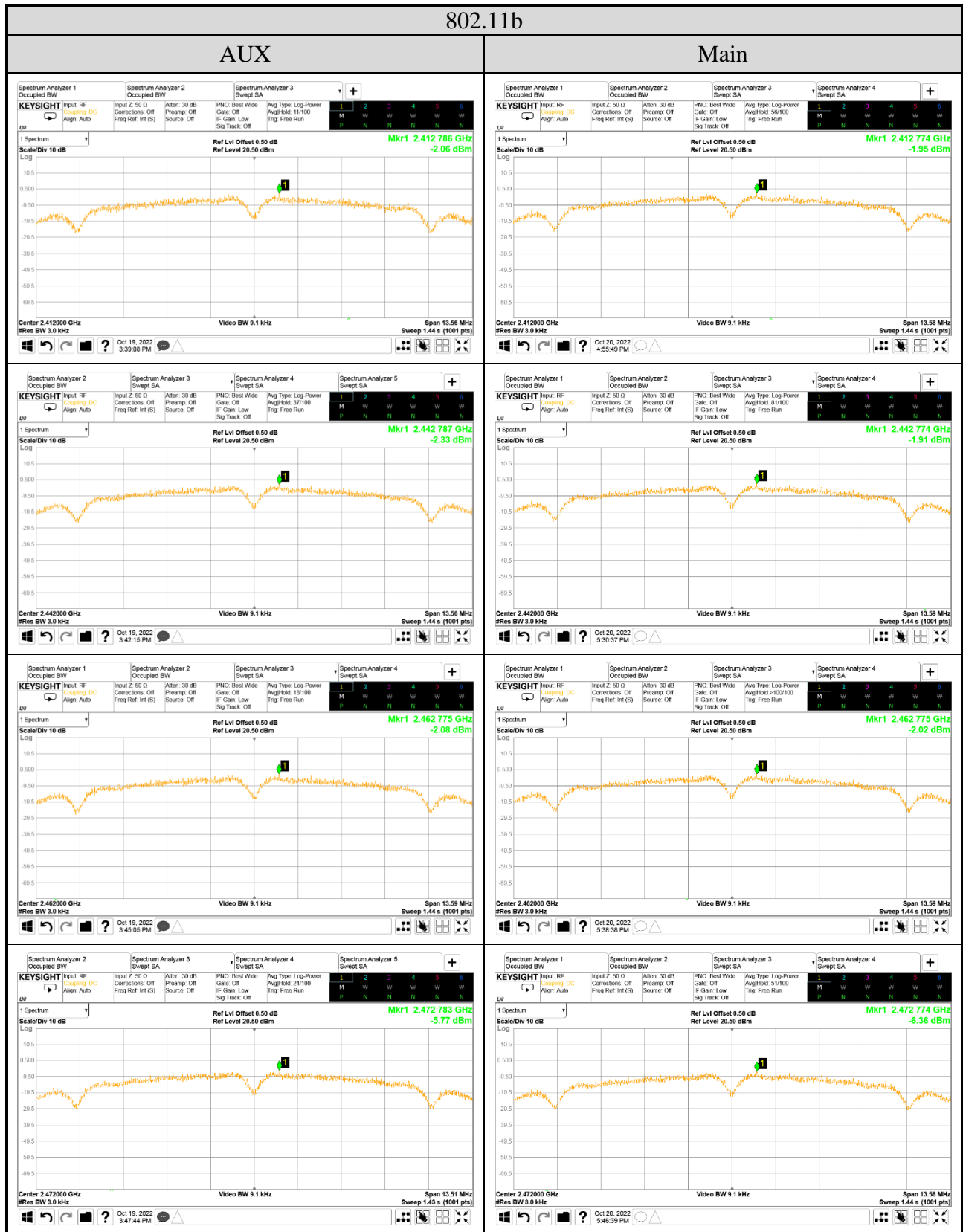
Note: 1. All results have been included cable loss.

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

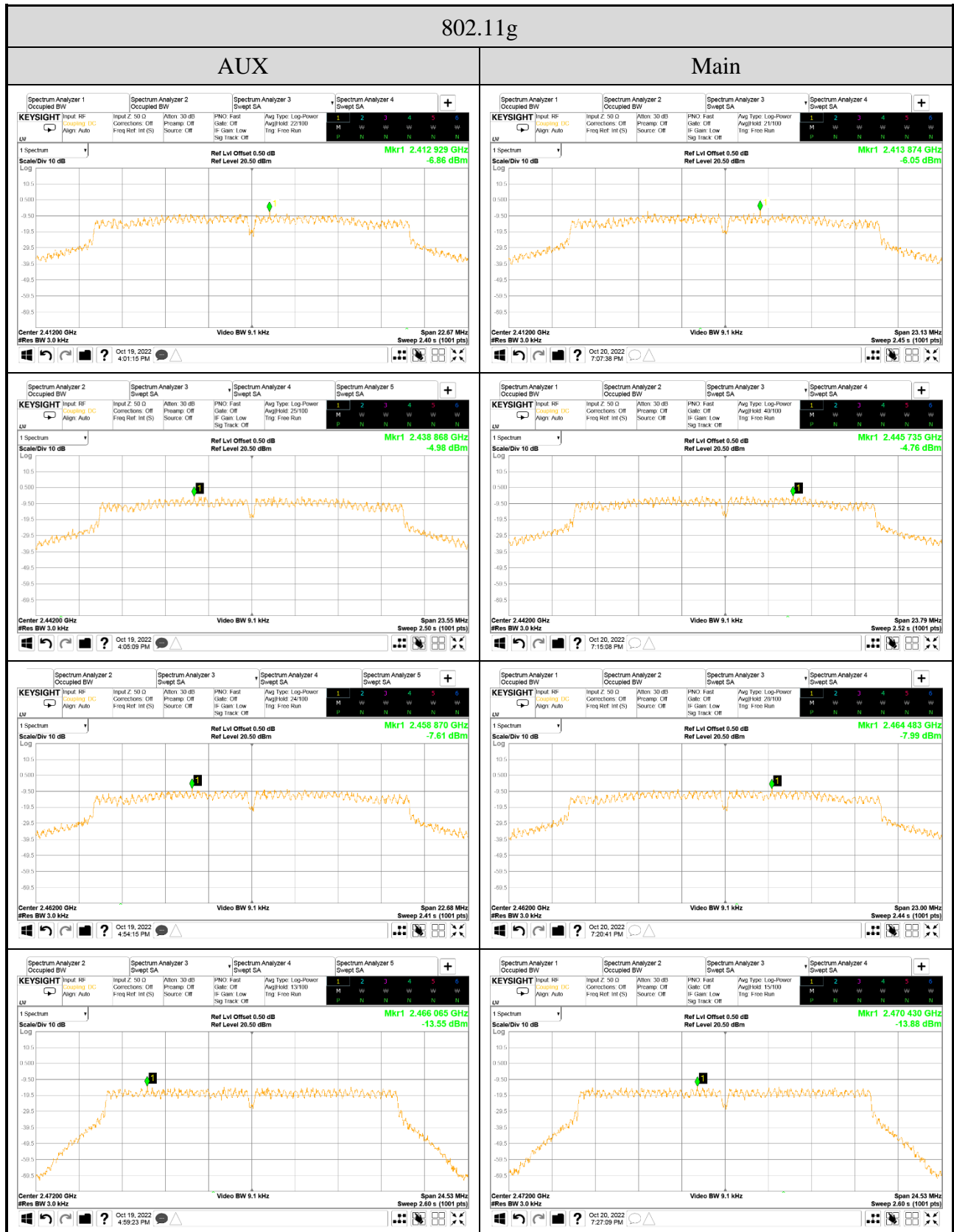
Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	-11.61	<8 dBm/3kHz
	2440	-11.22	
	2480	-10.78	

Note: All results have been included cable loss.

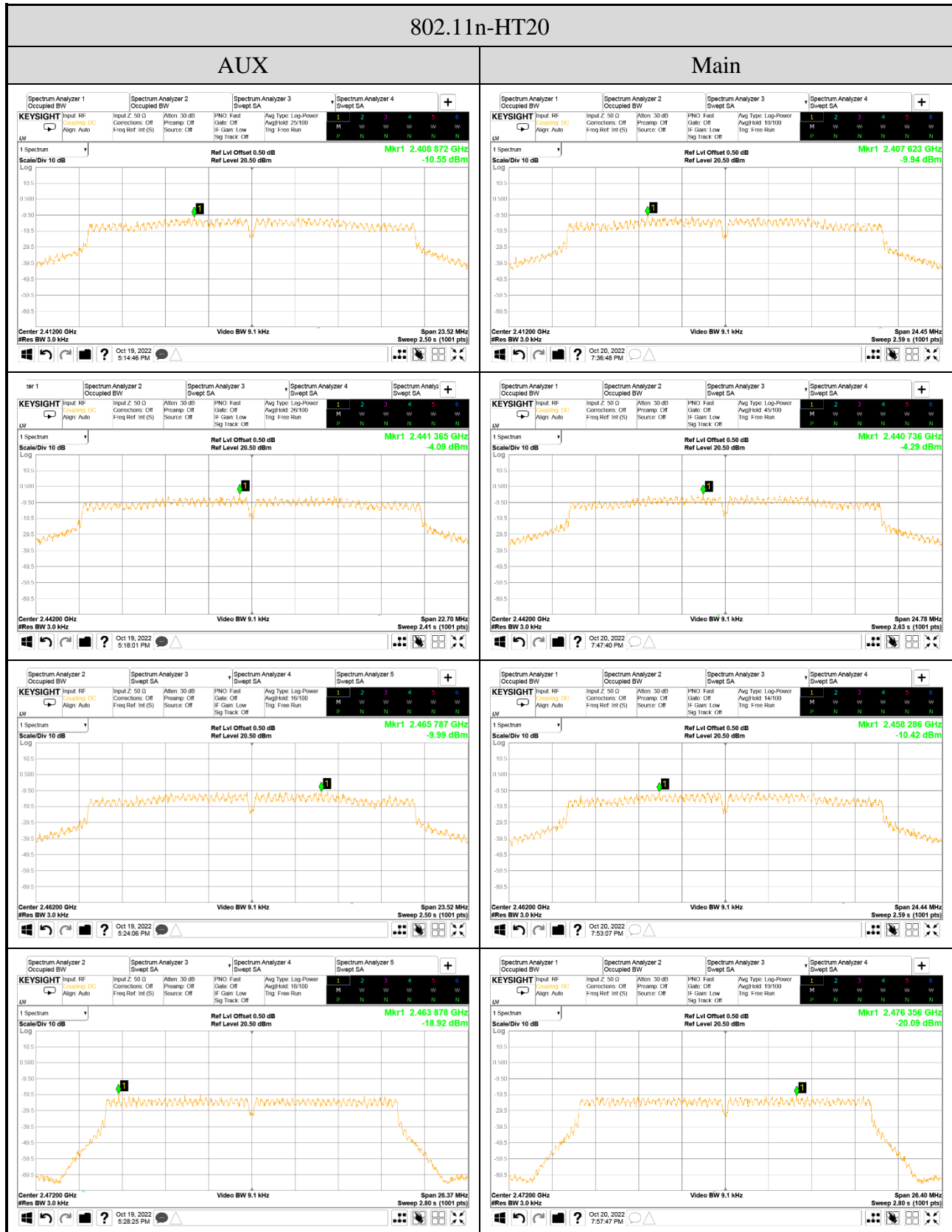
A.6.2 Measurement Plots



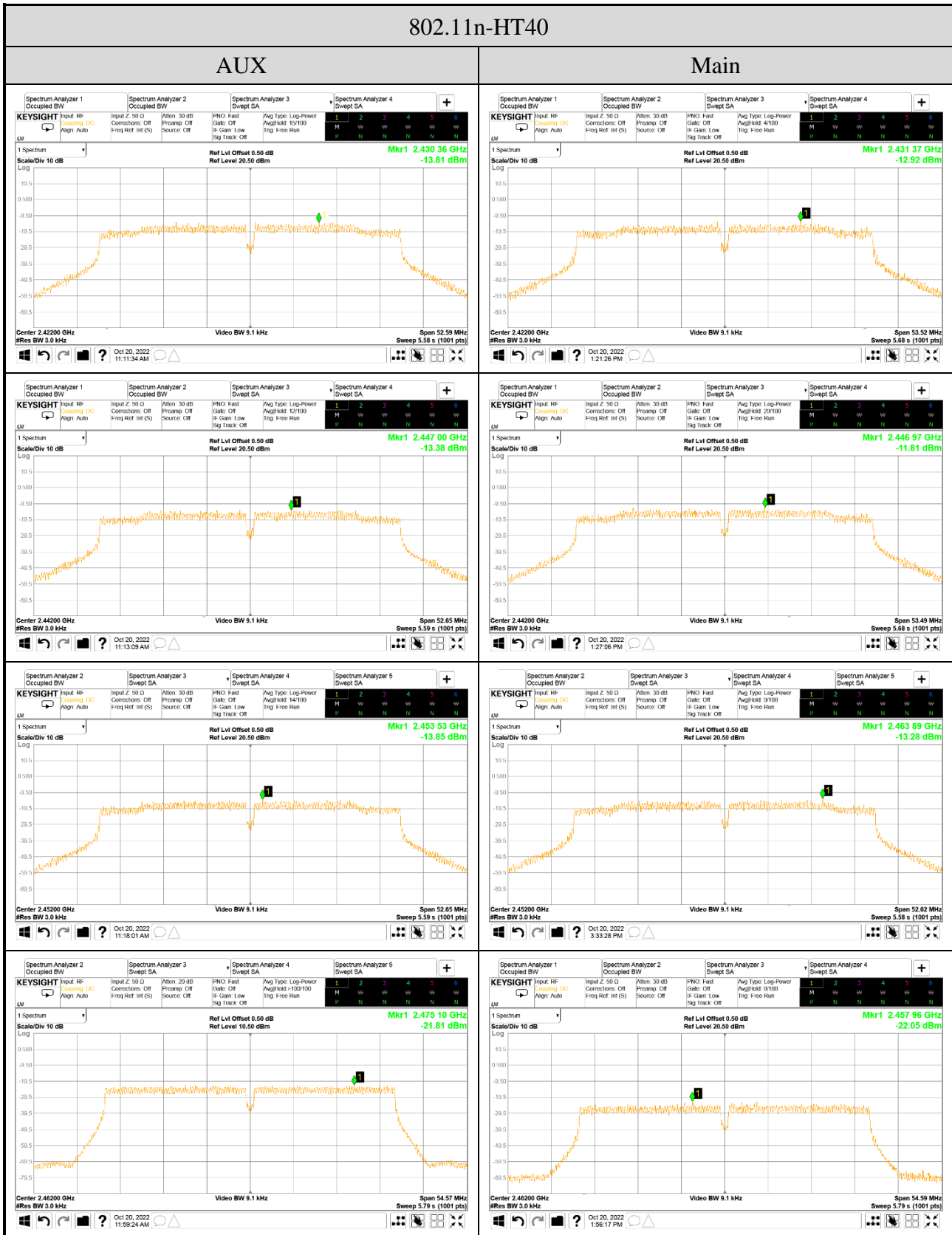
Note: All results have been included cable loss.



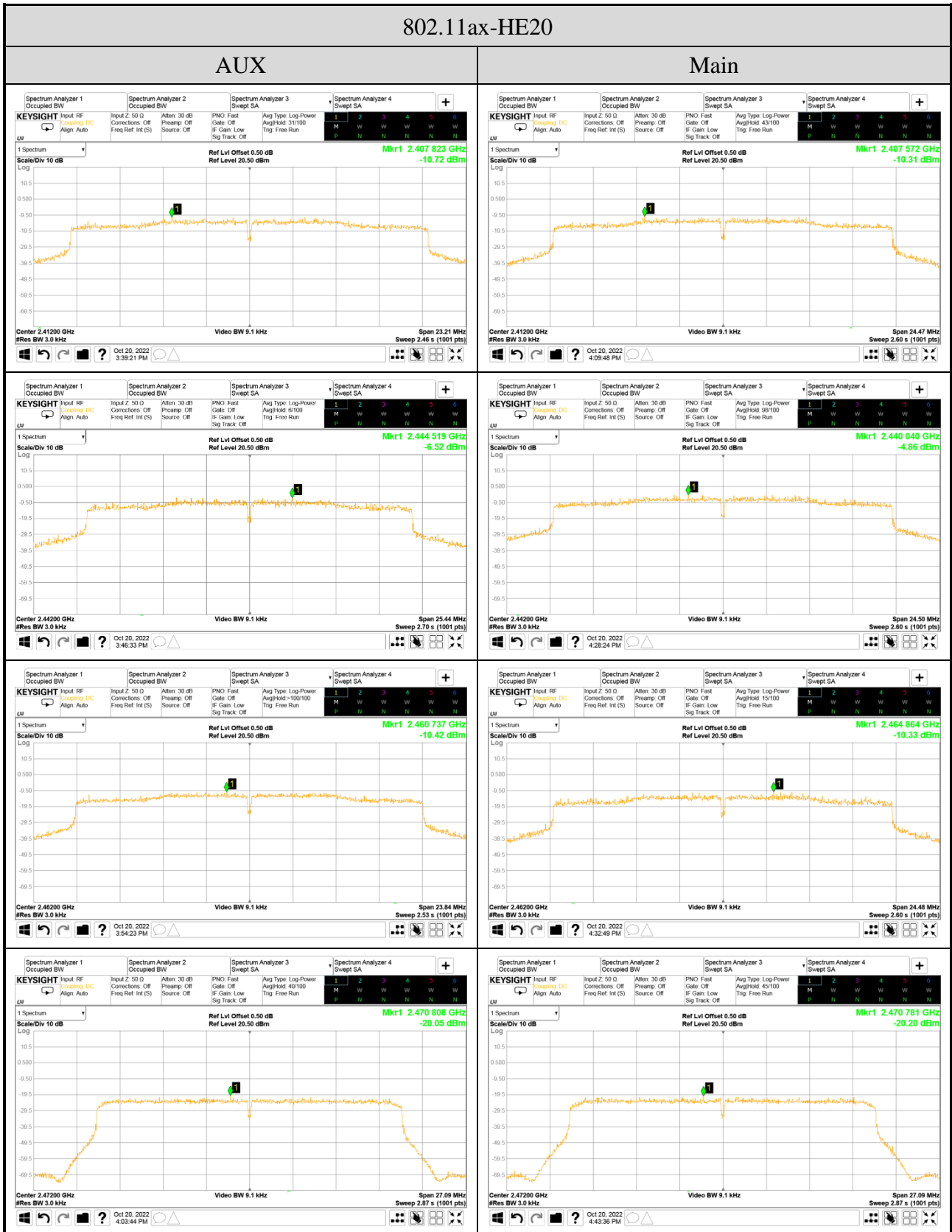
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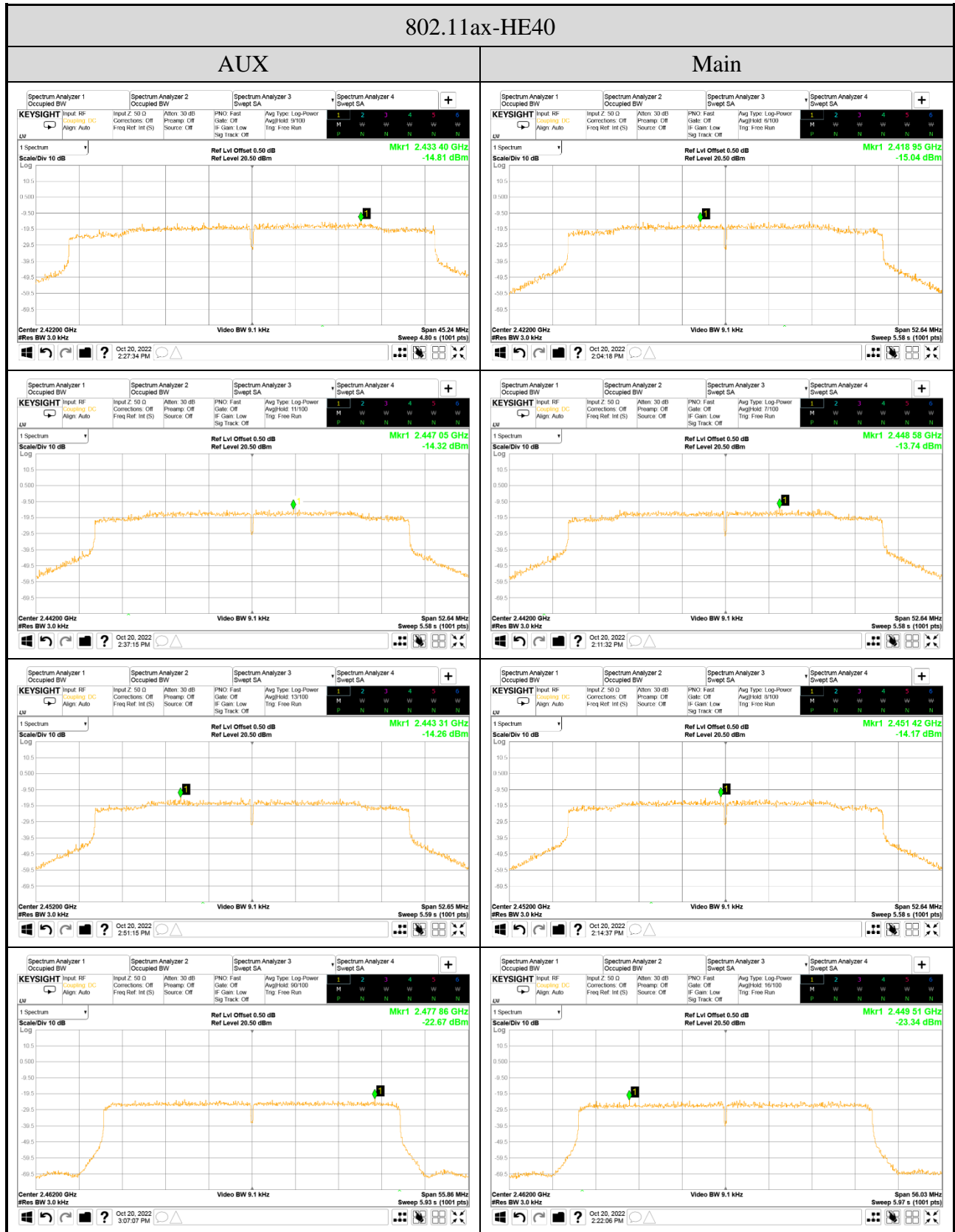


Note: All results have been included cable loss.

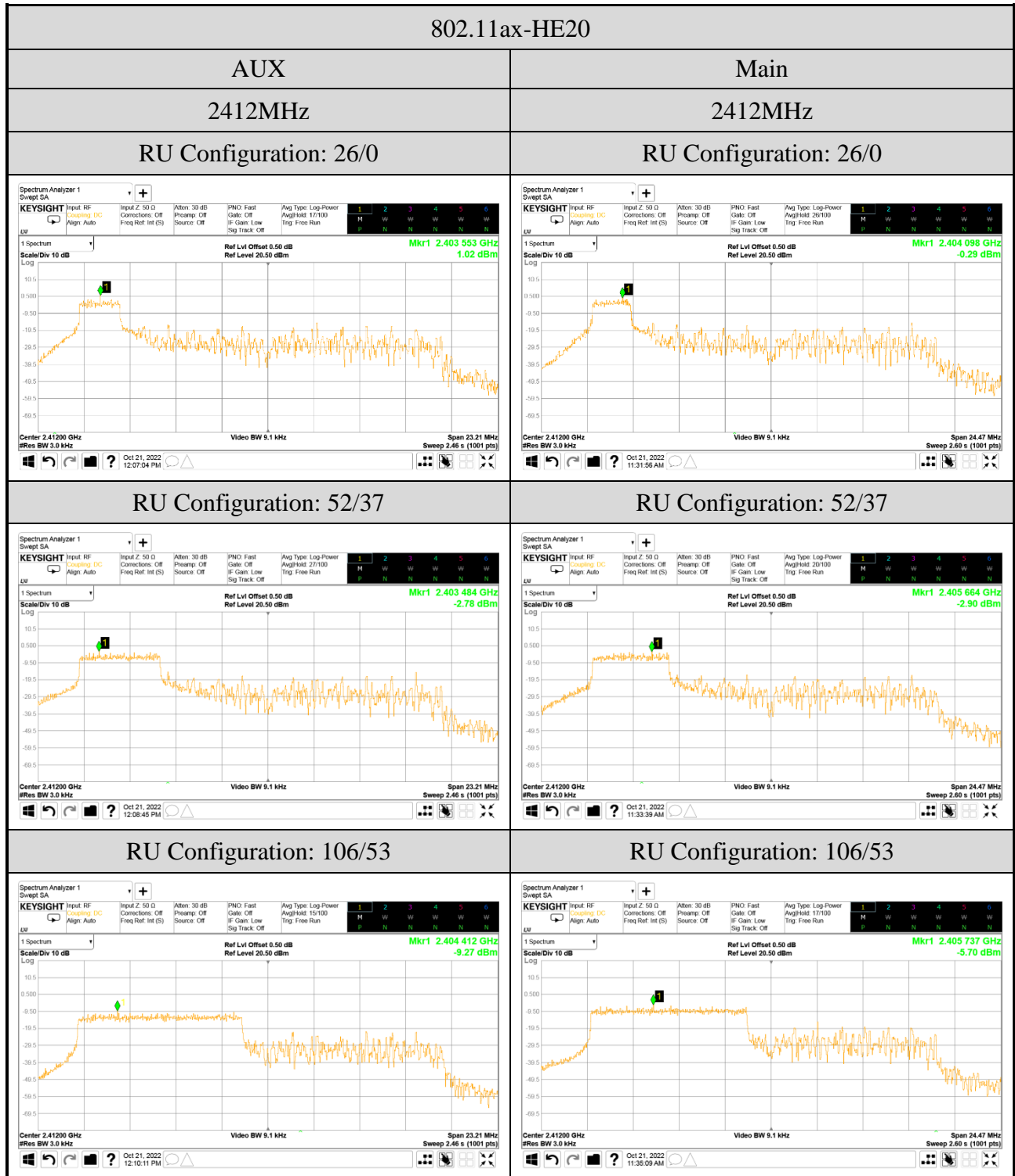


Note: All results have been included cable loss.

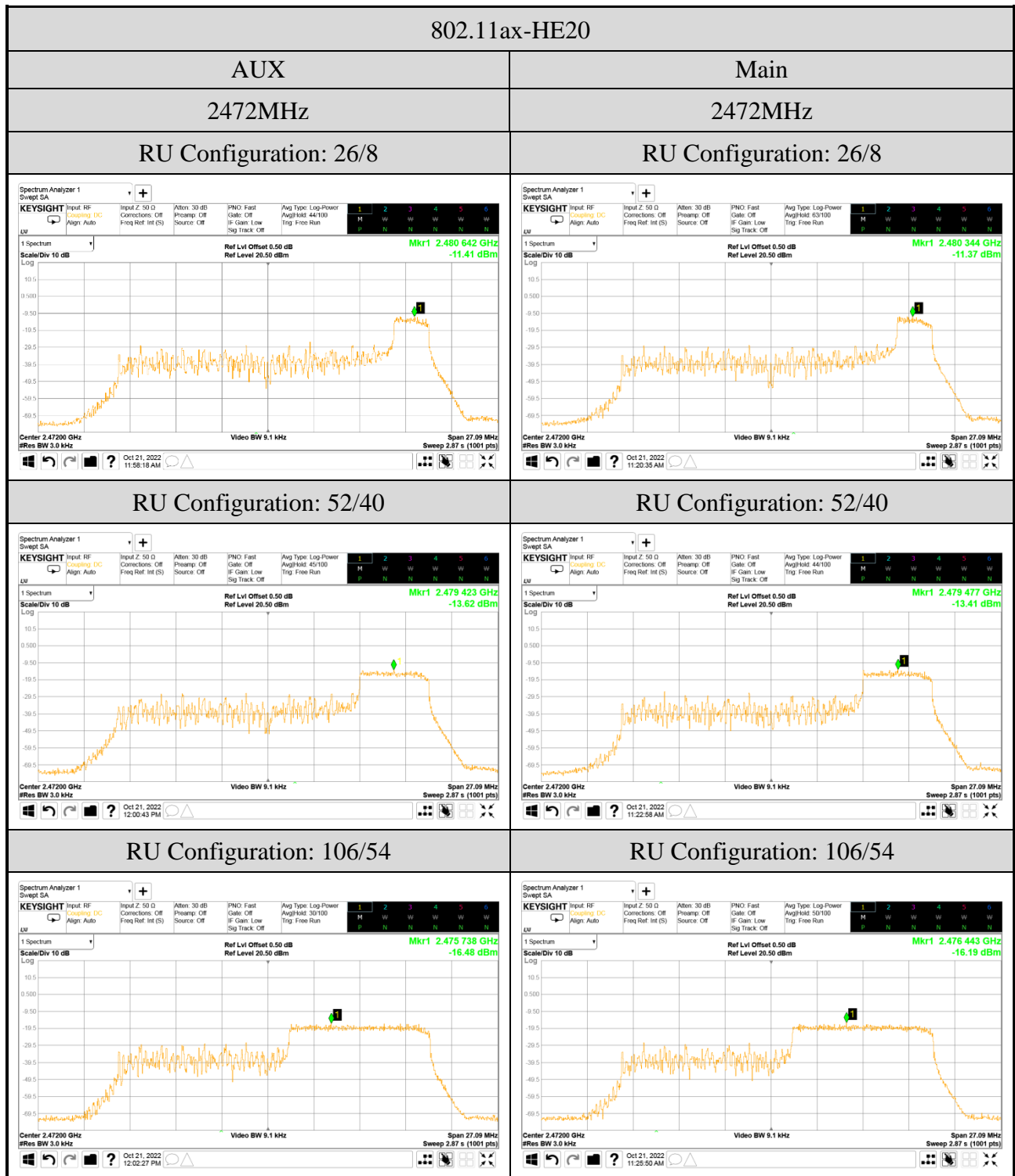
802.11ax-HE40



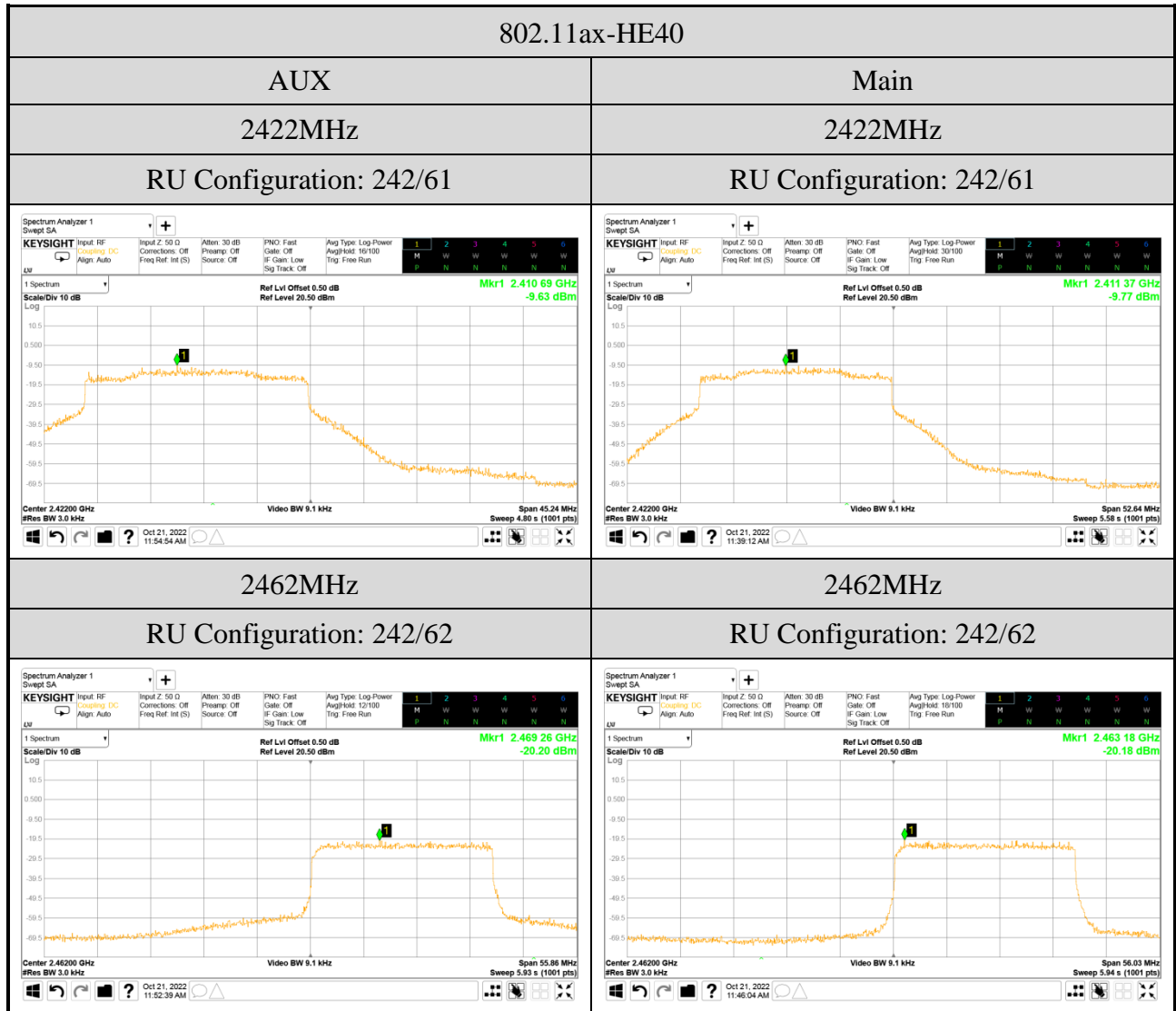
Note: All results have been included cable loss.



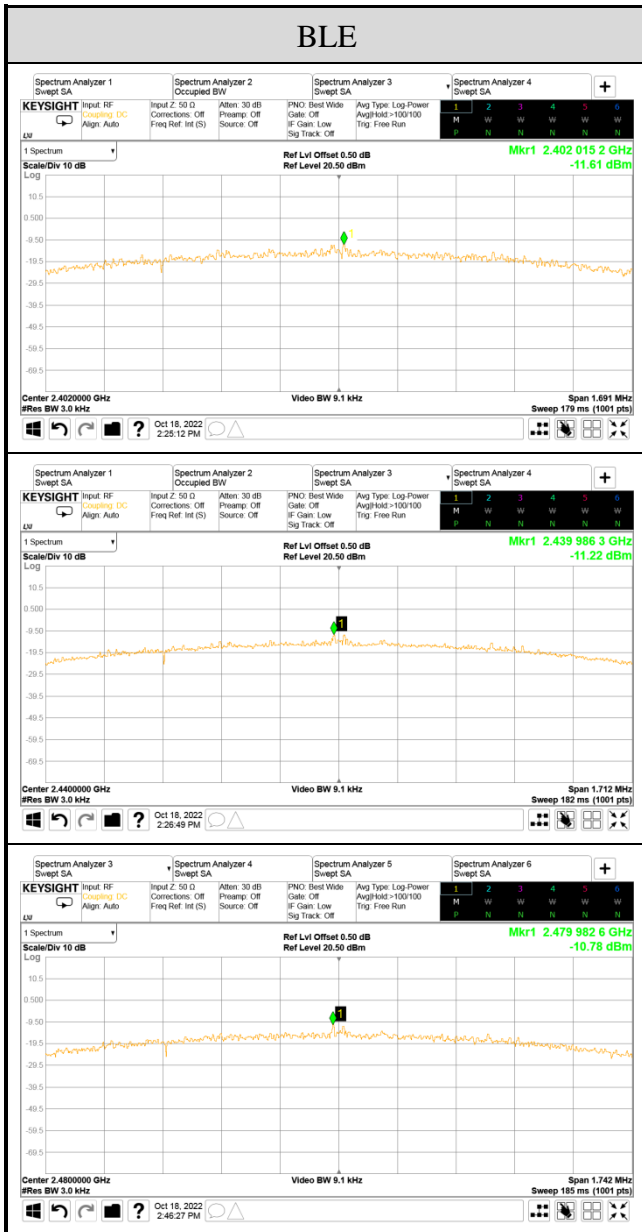
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