

A.6 POWER SPECTRAL DENSITY

Test Date	2022/10/28~31	Temp./Hum.	22~23°C/61~66%
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	-2.990	-1.800	-1.800	<8 dBm/3kHz
	2442	-1.980	-2.260	-1.980	
	2462	-2.020	-2.060	-2.020	
	2472	-5.180	-6.920	-5.180	
802.11g	2412	-7.990	-7.470	-7.470	
	2442	-4.910	-4.050	-4.050	
	2462	-5.680	-8.230	-5.680	
	2472	-12.550	-14.000	-12.550	

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	-8.960	-9.270	-6.102	<8 dBm/3kHz
	2442	-5.240	-5.910	-2.552	
	2462	-10.320	-9.800	-7.042	
	2472	-20.070	-20.020	-17.035	
802.11n-HT40	2422	-13.790	-14.330	-11.041	
	2442	-13.060	-11.950	-9.459	
	2452	-12.230	-13.530	-9.821	
	2462	-21.660	-21.870	-18.753	
802.11ax-HE20	2412	-10.690	-11.260	-7.955	
	2442	-6.070	-5.250	-2.630	
	2462	-11.150	-10.640	-7.877	
	2472	-20.050	-21.780	-17.819	
802.11ax-HE40	2422	-14.830	-14.930	-11.869	
	2442	-13.740	-14.290	-10.996	
	2452	-14.860	-14.680	-11.759	
	2462	-23.360	-23.410	-20.375	

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	0.960	1.270	4.128	<8 dBm/3kHz
	52/37		-1.860	-1.590	1.287	
	106/53		-3.030	-4.250	-0.587	
	26/8	2472	-12.580	-11.880	-9.206	
	52/40		-14.330	-14.240	-11.274	
	106/54		-17.180	-16.140	-13.619	
802.11ax-HE40	242/61	2422	-9.330	-10.340	-6.795	
	242/62	2462	-20.190	-19.670	-16.912	

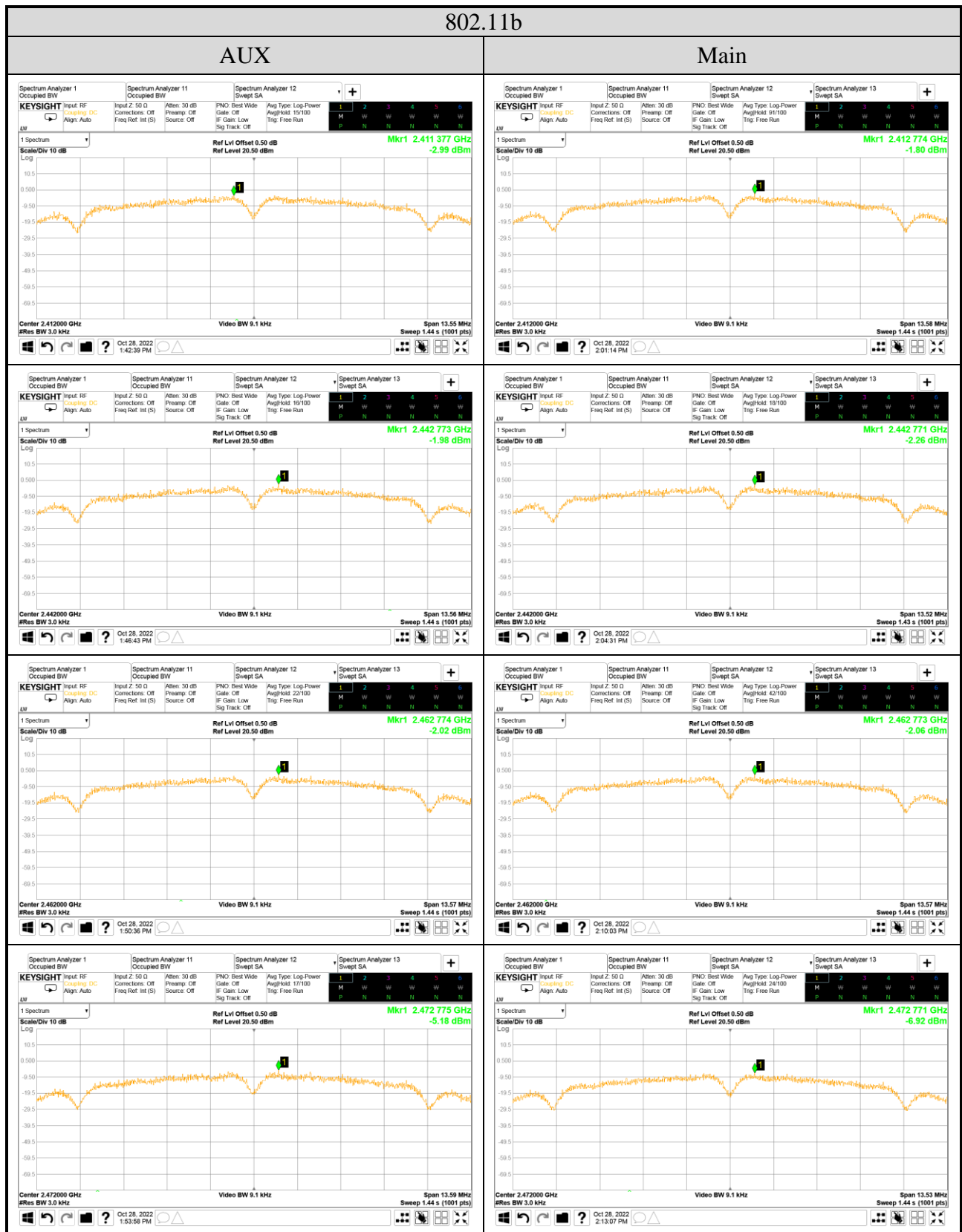
Note: 1. All results have been included cable loss.

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

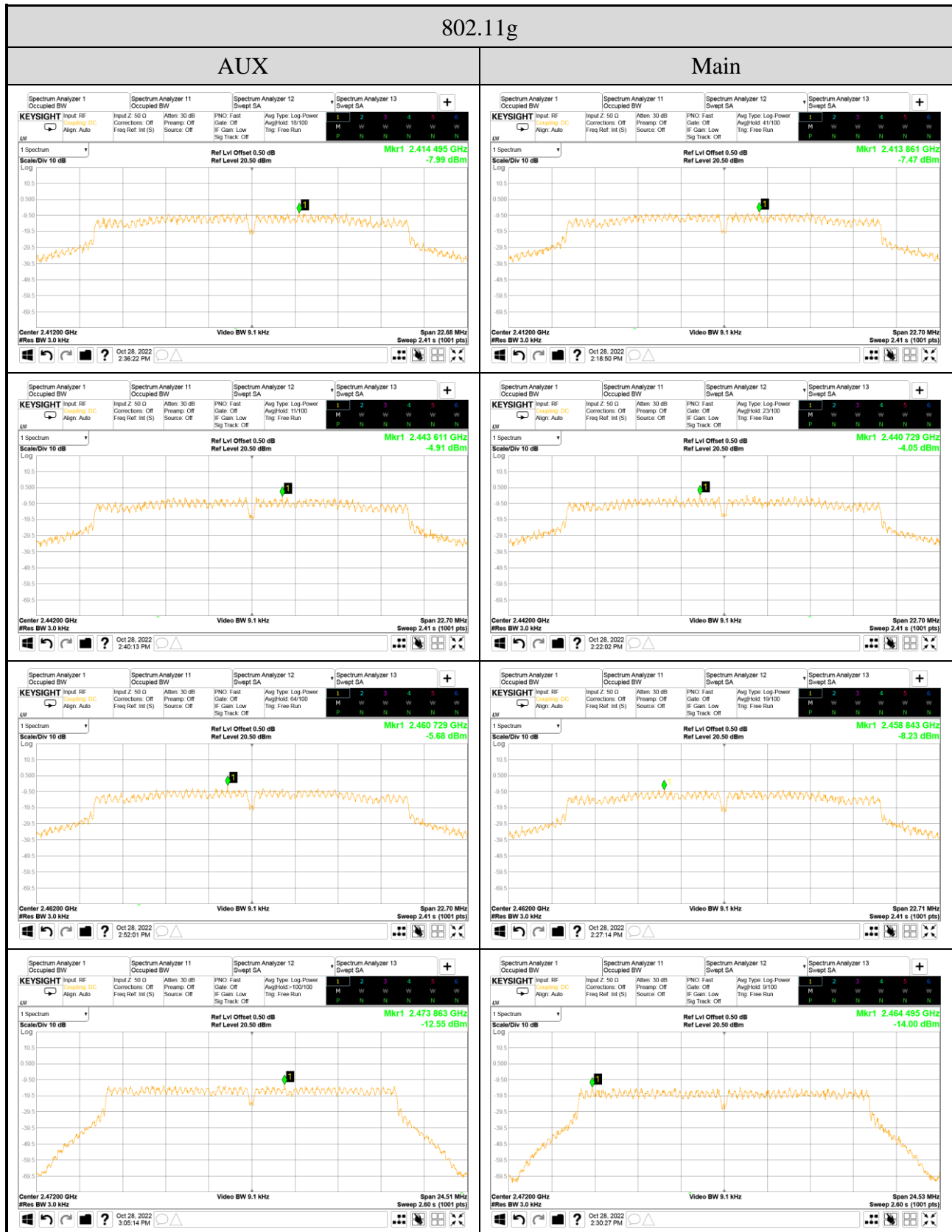
Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	-11.93	<8 dBm/3kHz
	2440	-11.48	
	2480	-10.84	

Note: All results have been included cable loss.

A.6.2 Measurement Plots

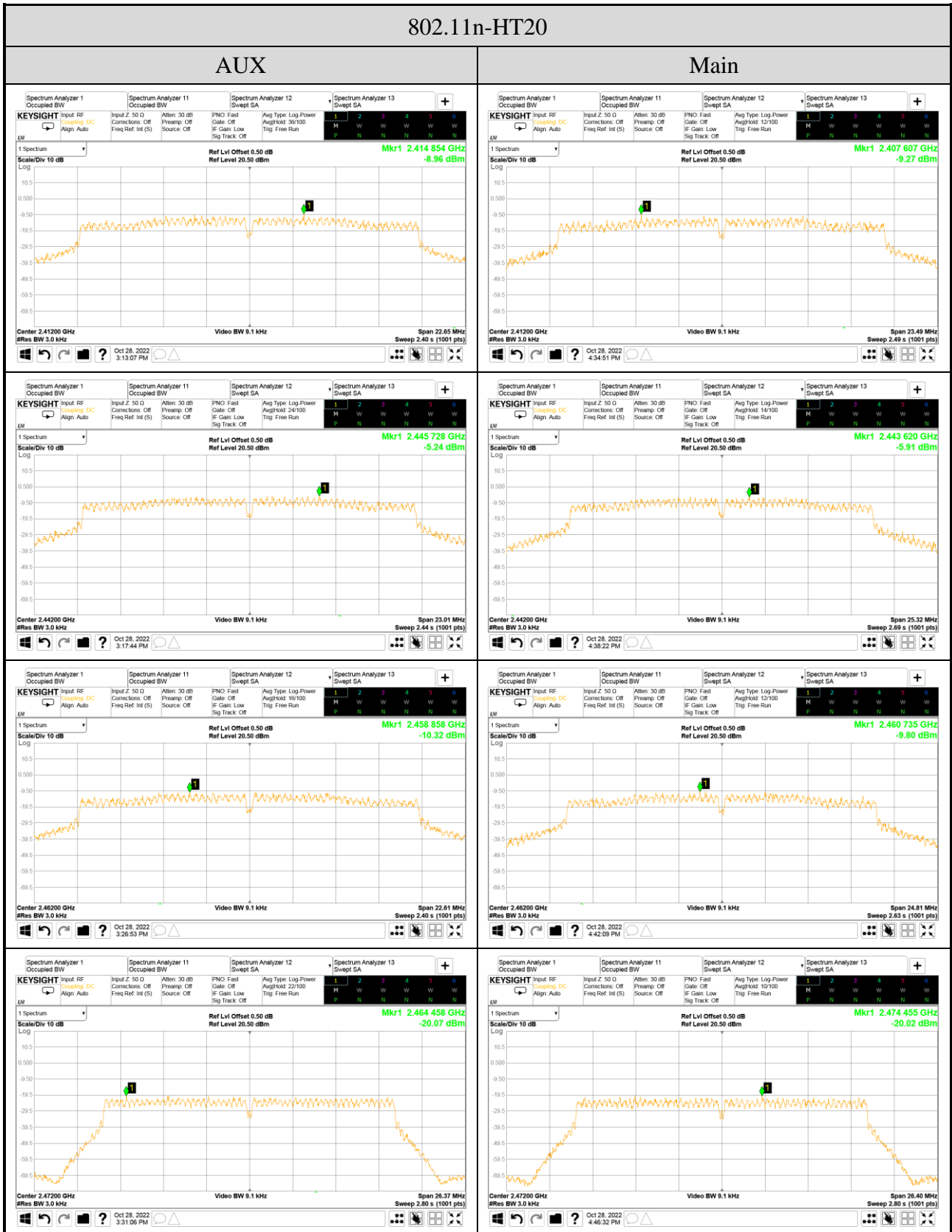


Note: All results have been included cable loss.



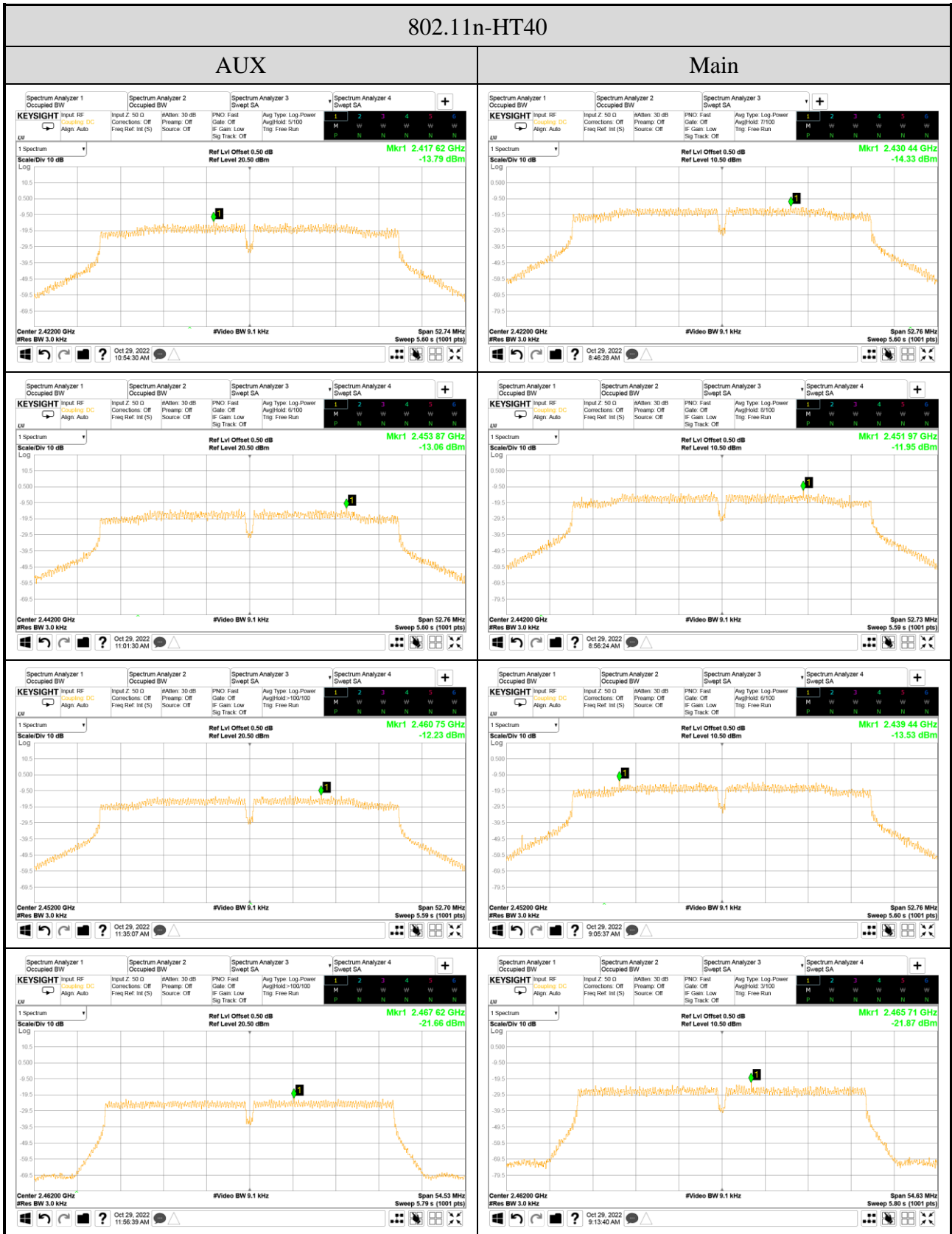
Note: All results have been included cable loss.

802.11n-HT20



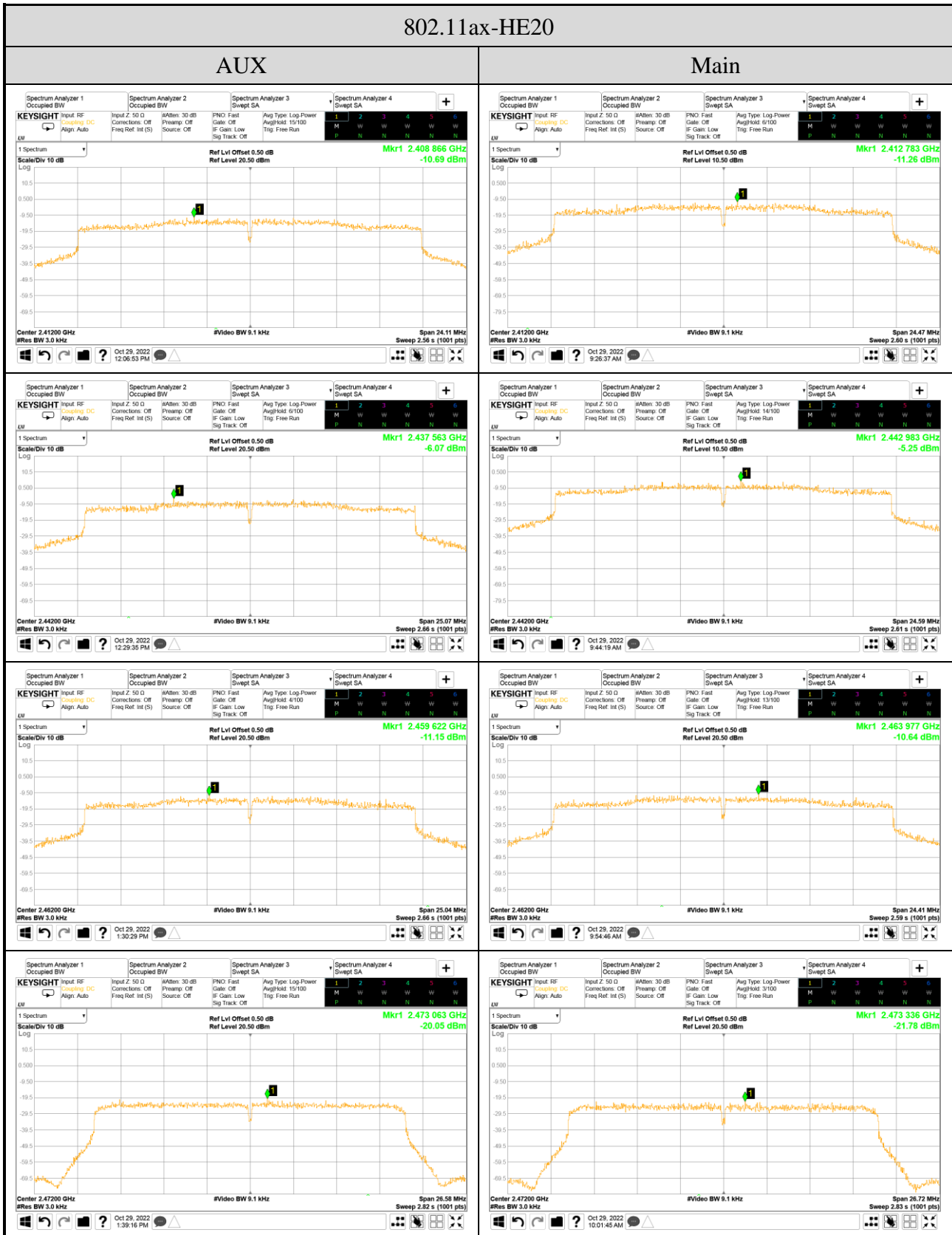
Note: All results have been included cable loss.

802.11n-HT40



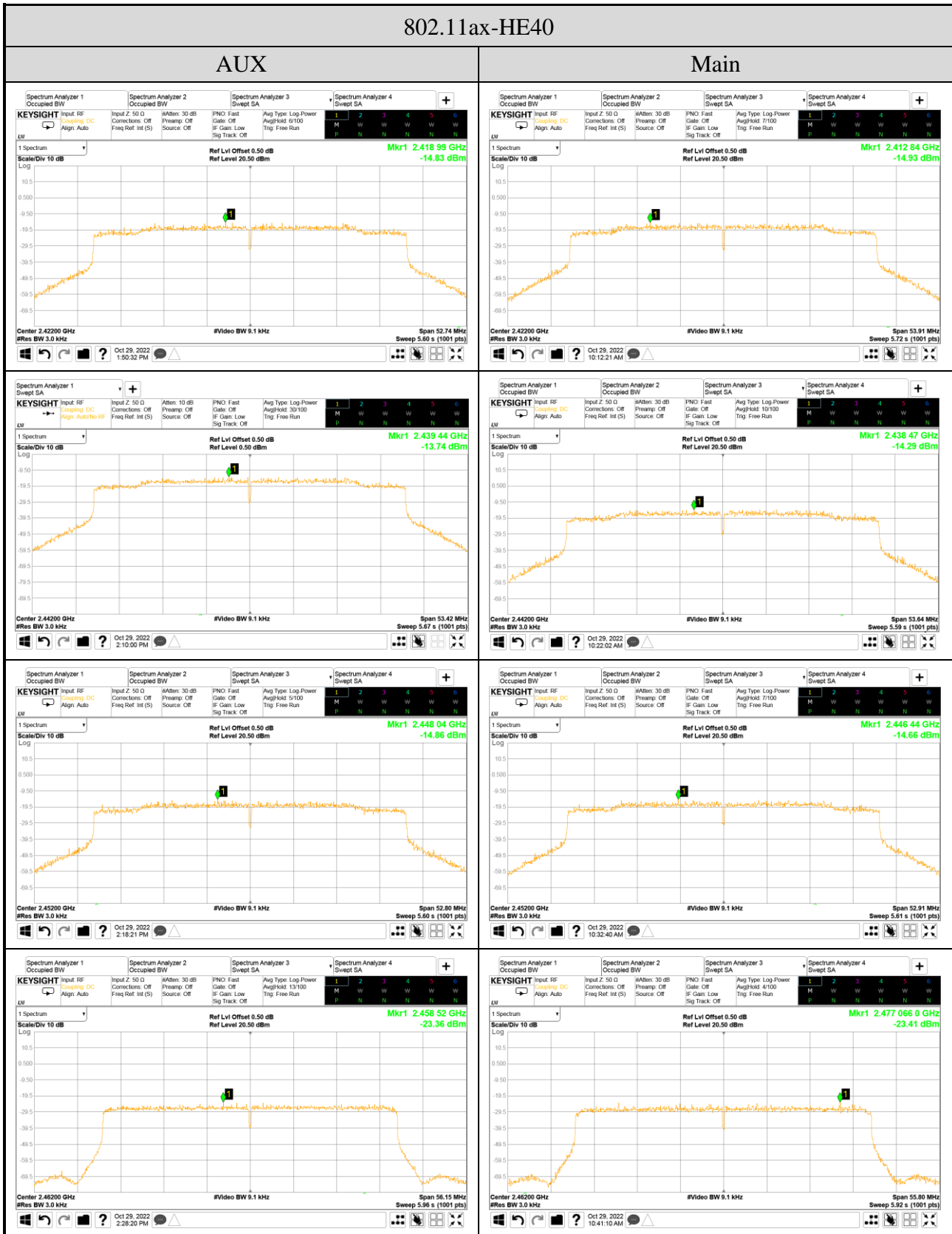
Note: All results have been included cable loss.

802.11ax-HE20

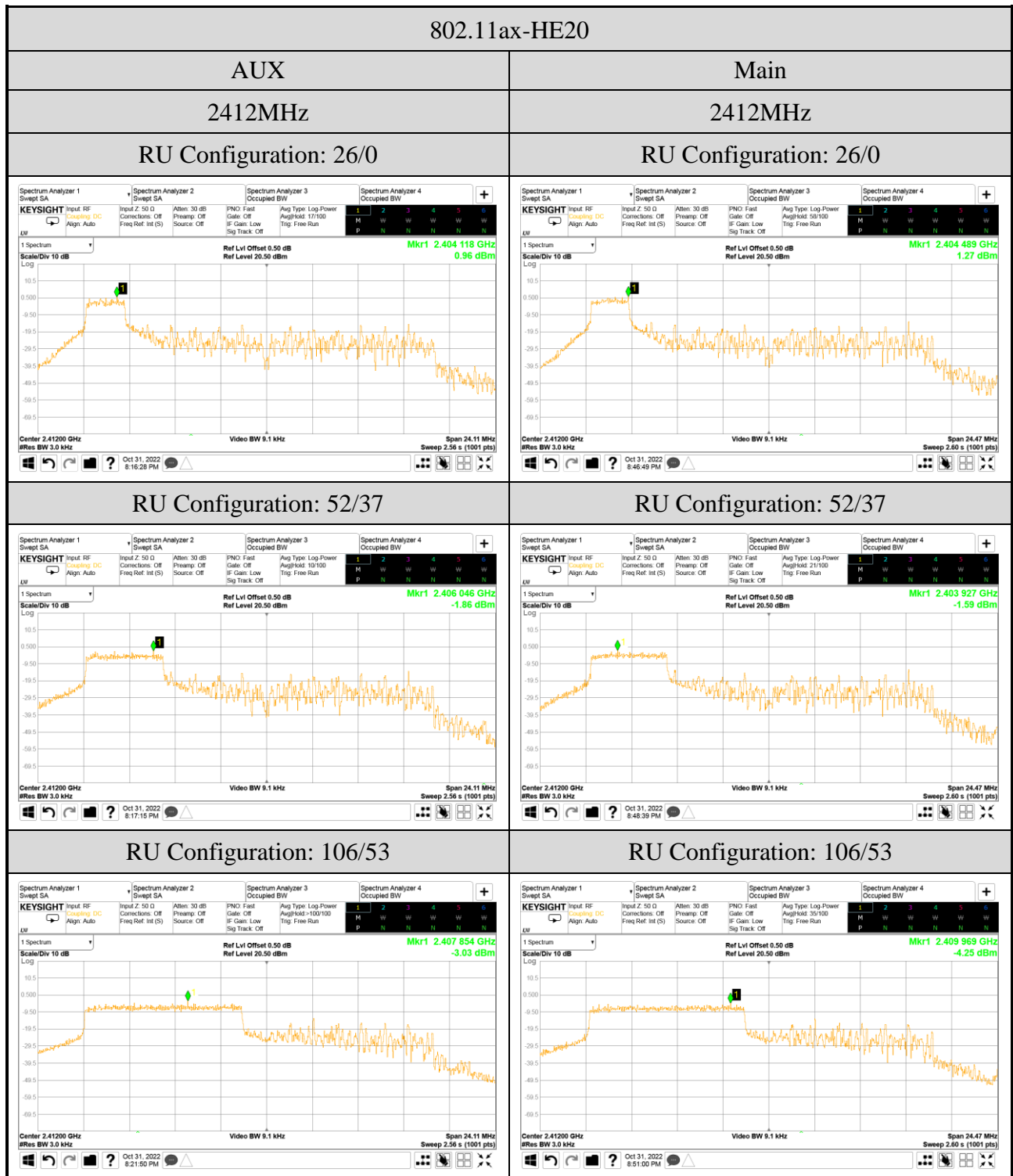


Note: All results have been included cable loss.

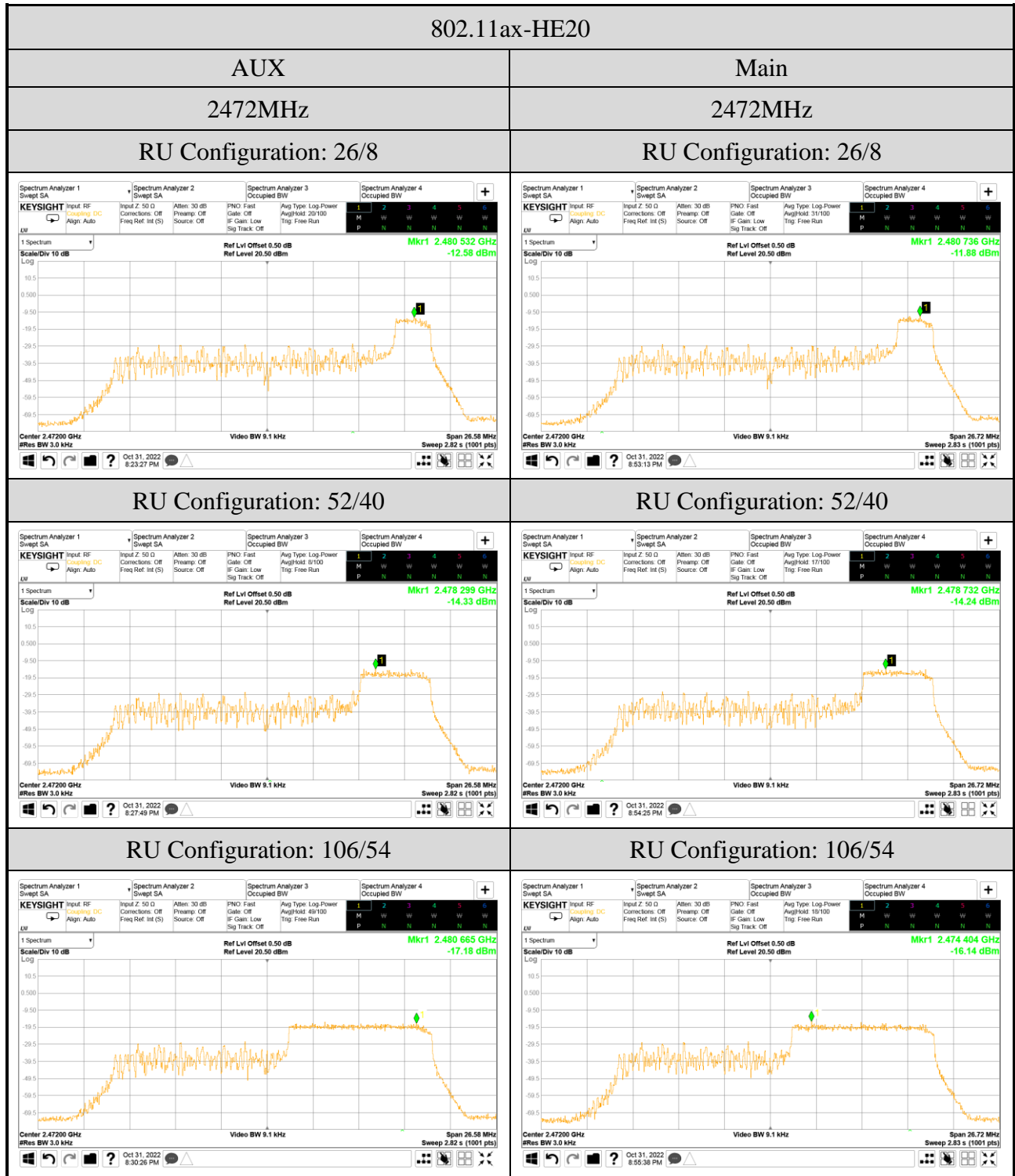
802.11ax-HE40



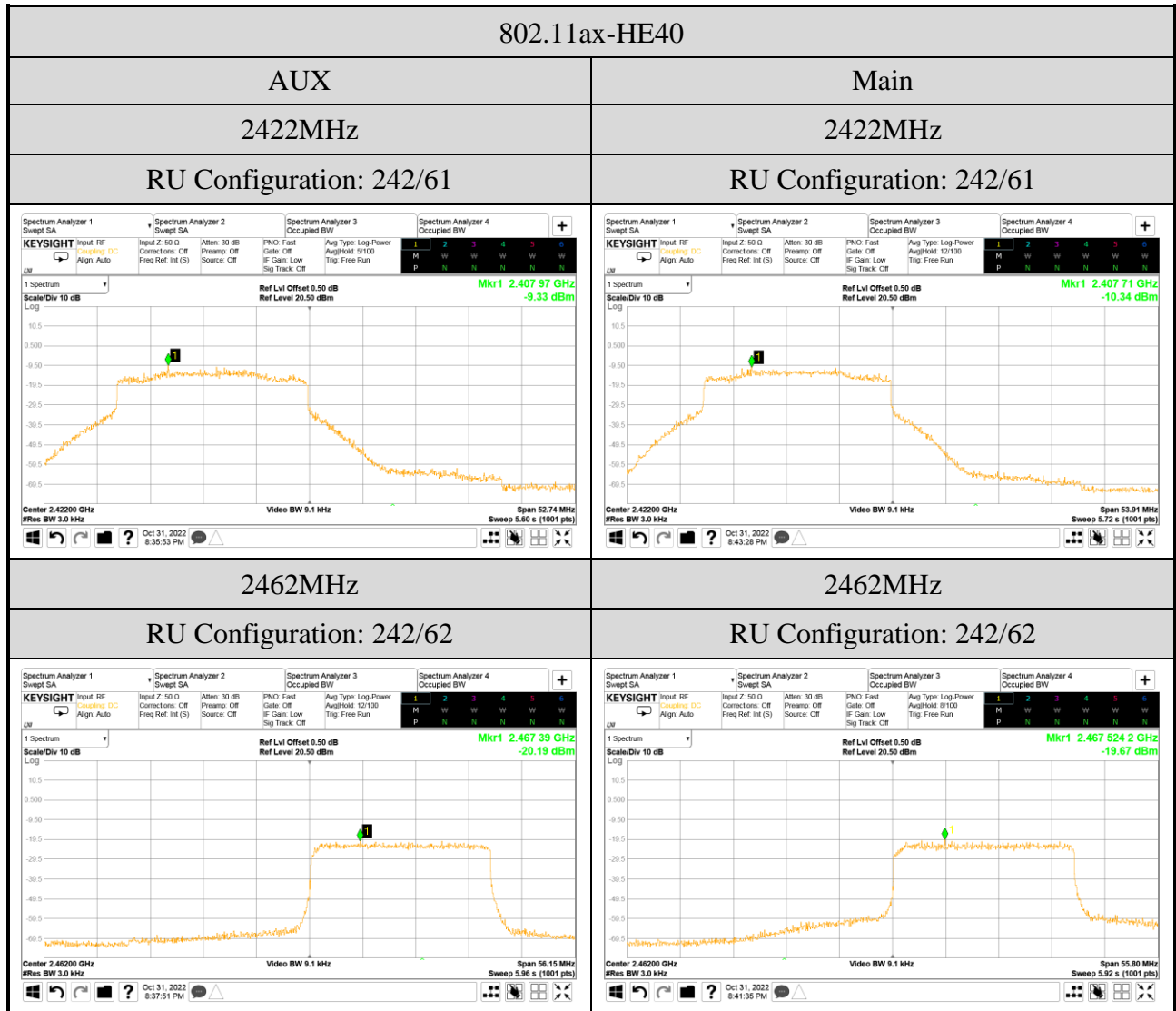
Note: All results have been included cable loss.



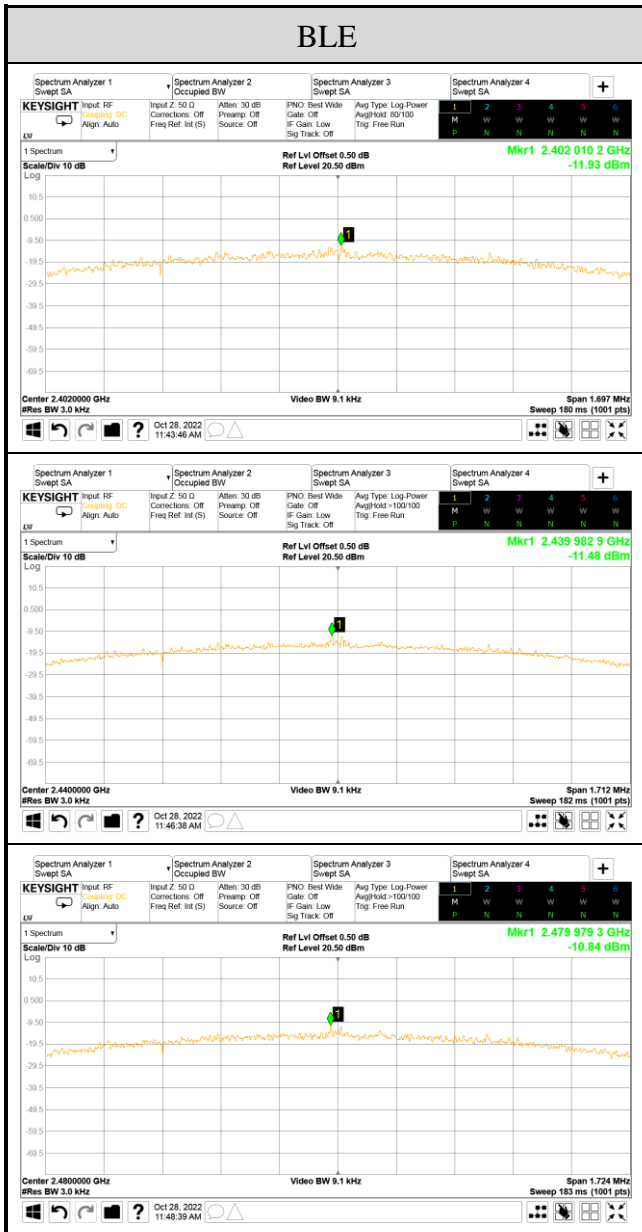
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