

A.6 POWER SPECTRAL DENSITY

Test Date	2022/07/06~12	Temp./Hum.	23~25°C/42~56%
Cable Loss	0.5dB	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) Note 2	Limit
		AUX	Main		
802.11b	2412	-2.70	-2.45	-2.450	<8 dBm/3kHz
	2442	-2.40	-2.26	-2.260	
	2462	-2.66	-2.41	-2.410	
	2472	-5.79	-6.88	-5.790	
802.11g	2412	-7.10	-5.79	-5.790	
	2442	-4.26	-3.79	-3.790	
	2462	-6.79	-5.88	-5.880	
	2472	-13.58	-12.74	-12.740	

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) Note 2	Limit
		AUX	Main		
802.11n-HT20	2412	-7.46	-8.30	-4.849	<8 dBm/3kHz
	2442	-3.24	-4.05	-0.616	
	2462	-9.11	-8.98	-6.034	
	2472	-17.43	-15.48	-13.336	
802.11n-HT40	2412	-12.51	-11.83	-9.146	
	2442	-11.41	-11.25	-8.319	
	2462	-12.12	-12.16	-9.130	
	2472	-18.53	-18.23	-15.367	
802.11ax-HE20	2412	-8.72	-8.36	-5.526	
	2442	-4.76	-5.00	-1.868	
	2462	-9.33	-9.41	-6.360	
	2472	-17.61	-17.32	-14.452	
802.11ax-HE40	2422	-13.85	-12.56	-10.147	
	2442	-12.20	-11.65	-8.906	
	2452	-13.16	-13.31	-10.224	
	2462	-19.65	-19.51	-16.569	

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

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

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Mode	RU Configuration	Centre Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) ^{Note 2}	Limit
			AUX	Main		
802.11ax-HE20	26/0	2412	2.57	2.09	5.347	<8 dBm/3kHz
	52/37		0.41	0.57	3.501	
	106/53		-3.62	-3.12	-0.353	
	26/8	2472	-10.23	-9.14	-6.641	
	52/40		-12.87	-13.27	-10.055	
	106/54		-15.33	-14.74	-12.015	
802.11ax-HE40	242/61	2422	-9.25	-9.18	-6.205	<8 dBm/3kHz
	242/62	2462	-18.21	-16.98	-14.541	

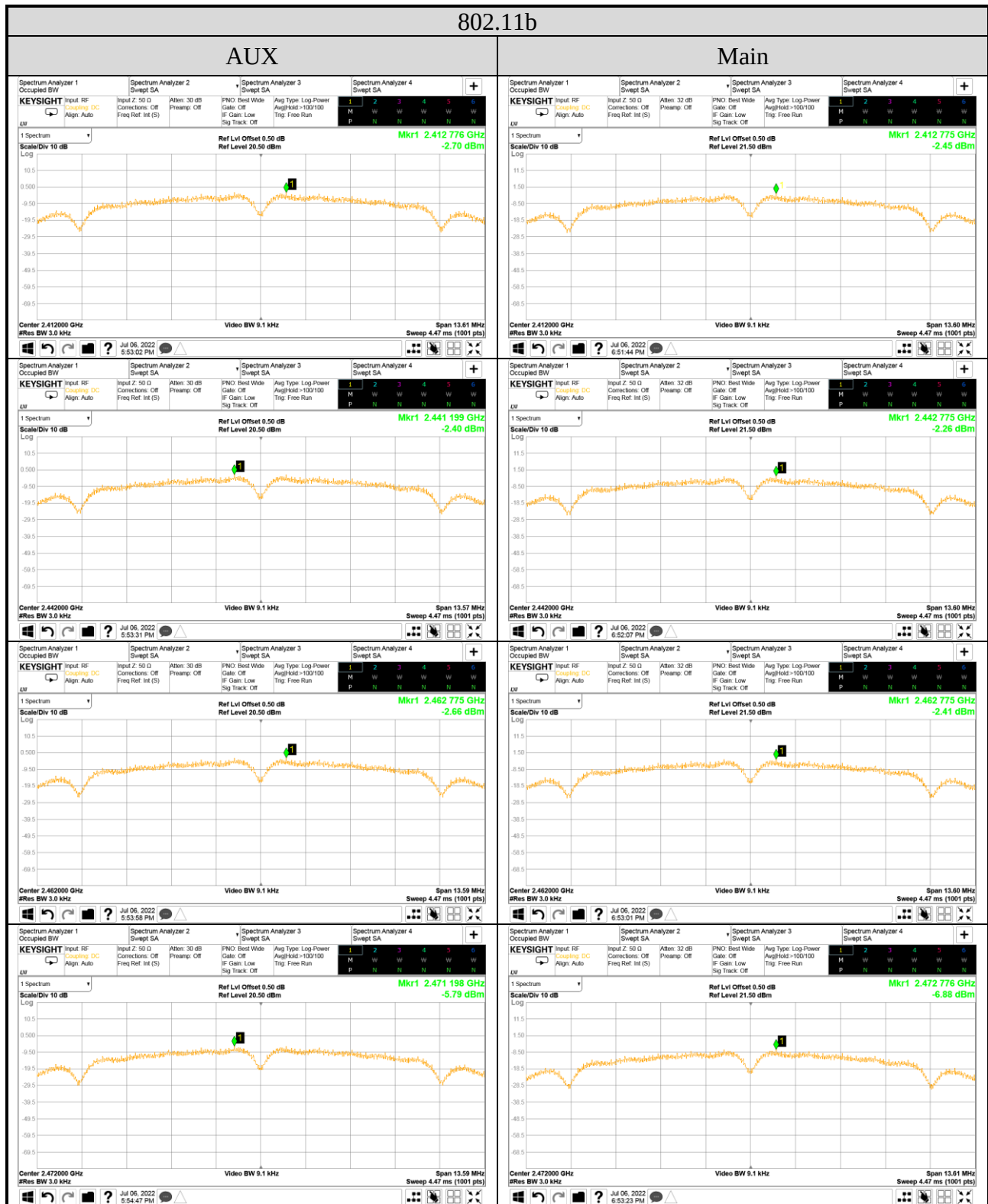
Note: 1. All results have been included cable loss.

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

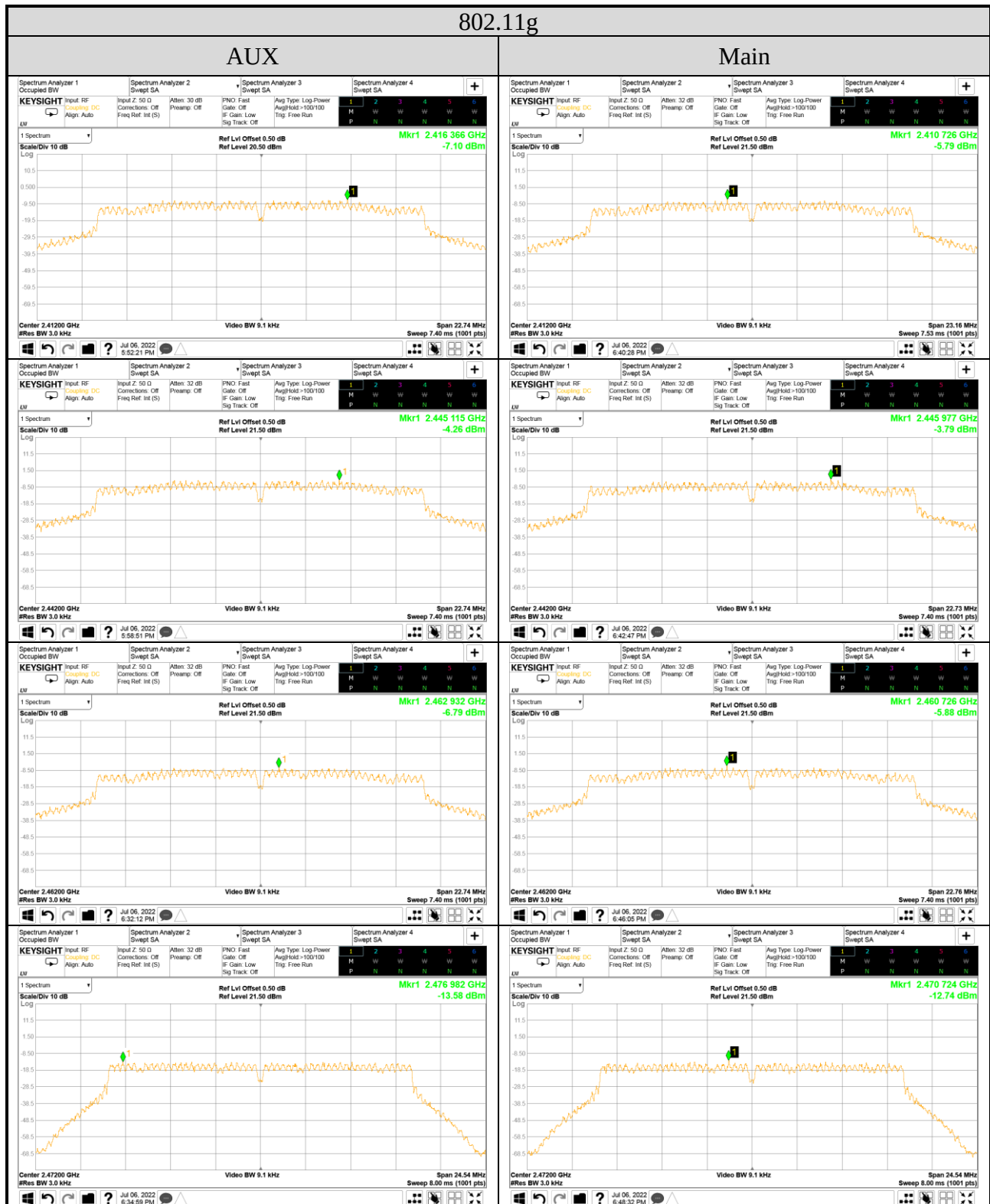
Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	-11.92	<8 dBm/3kHz
	2440	-11.74	
	2480	-10.93	

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

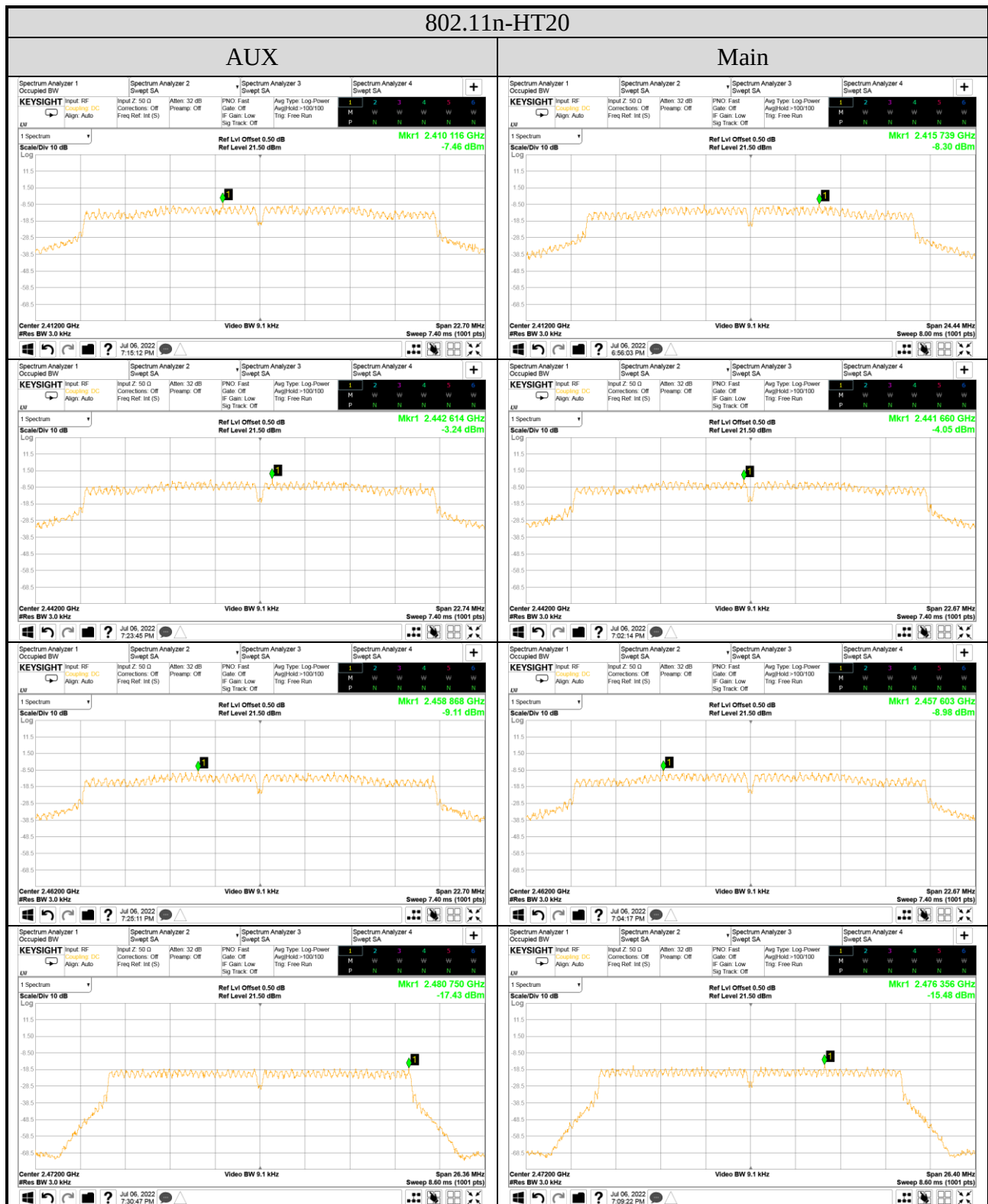
A.6.2 Measurement Plots



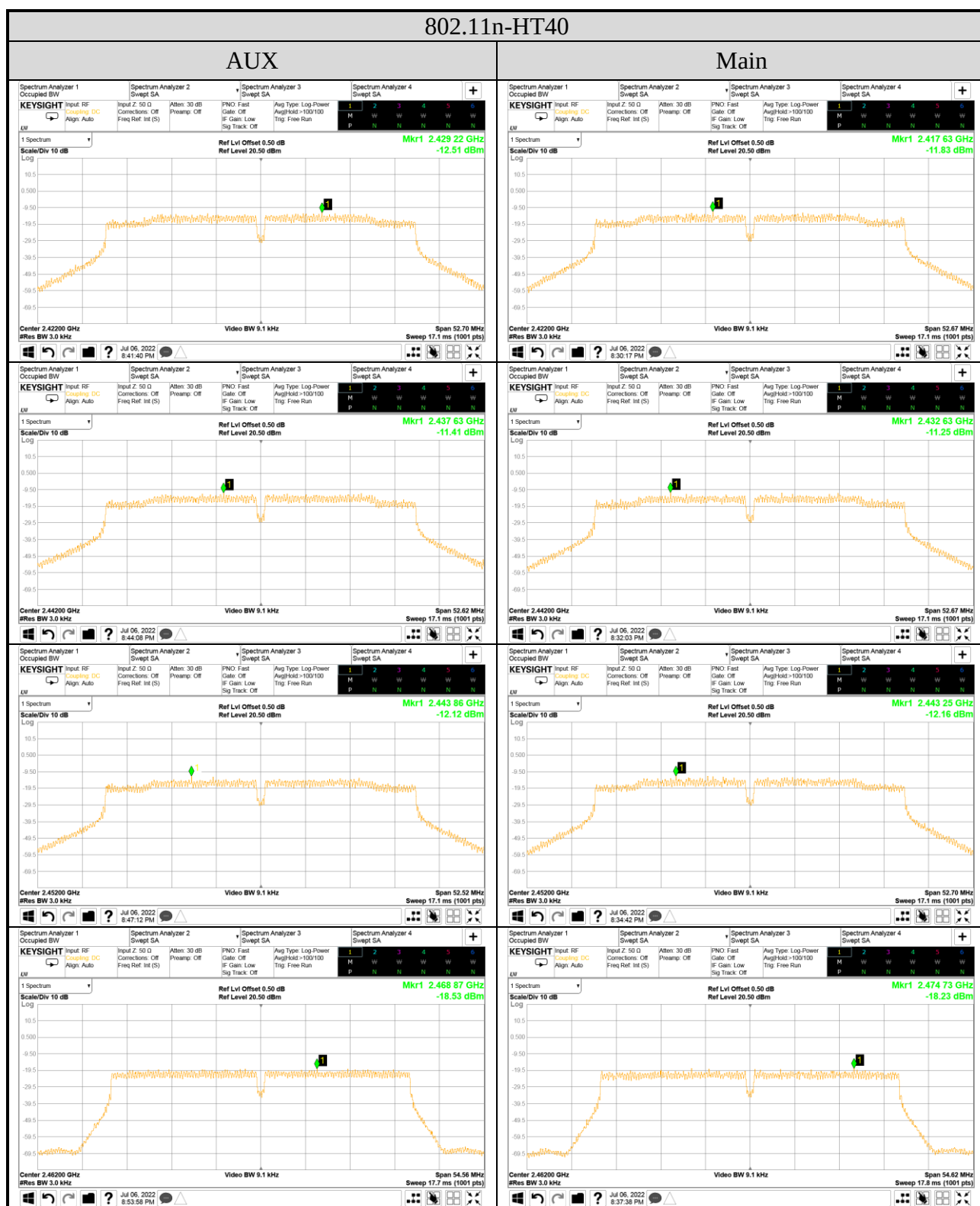
Note: All results have been included cable loss.



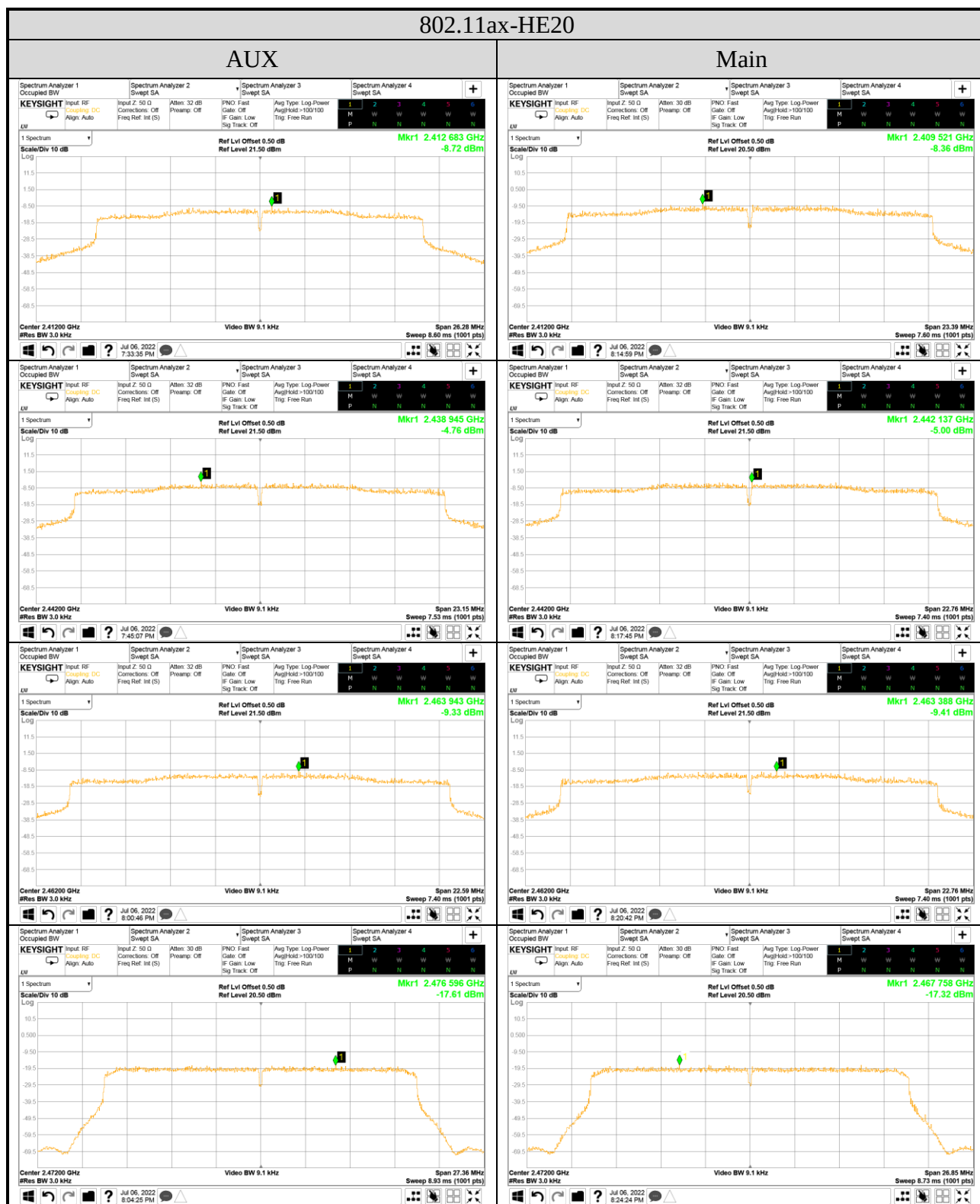
Note: All results have been included cable loss.



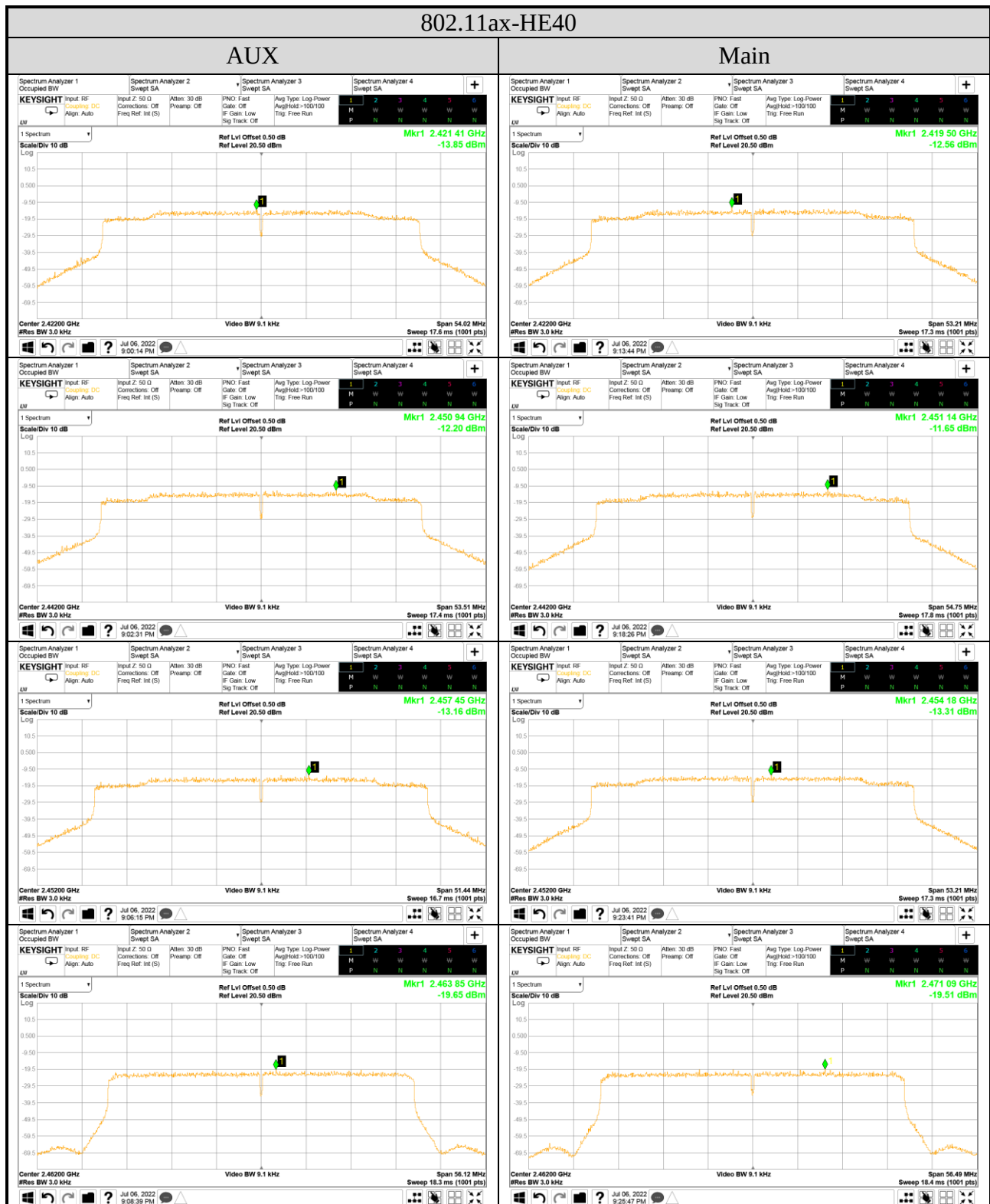
Note: All results have been included cable loss.



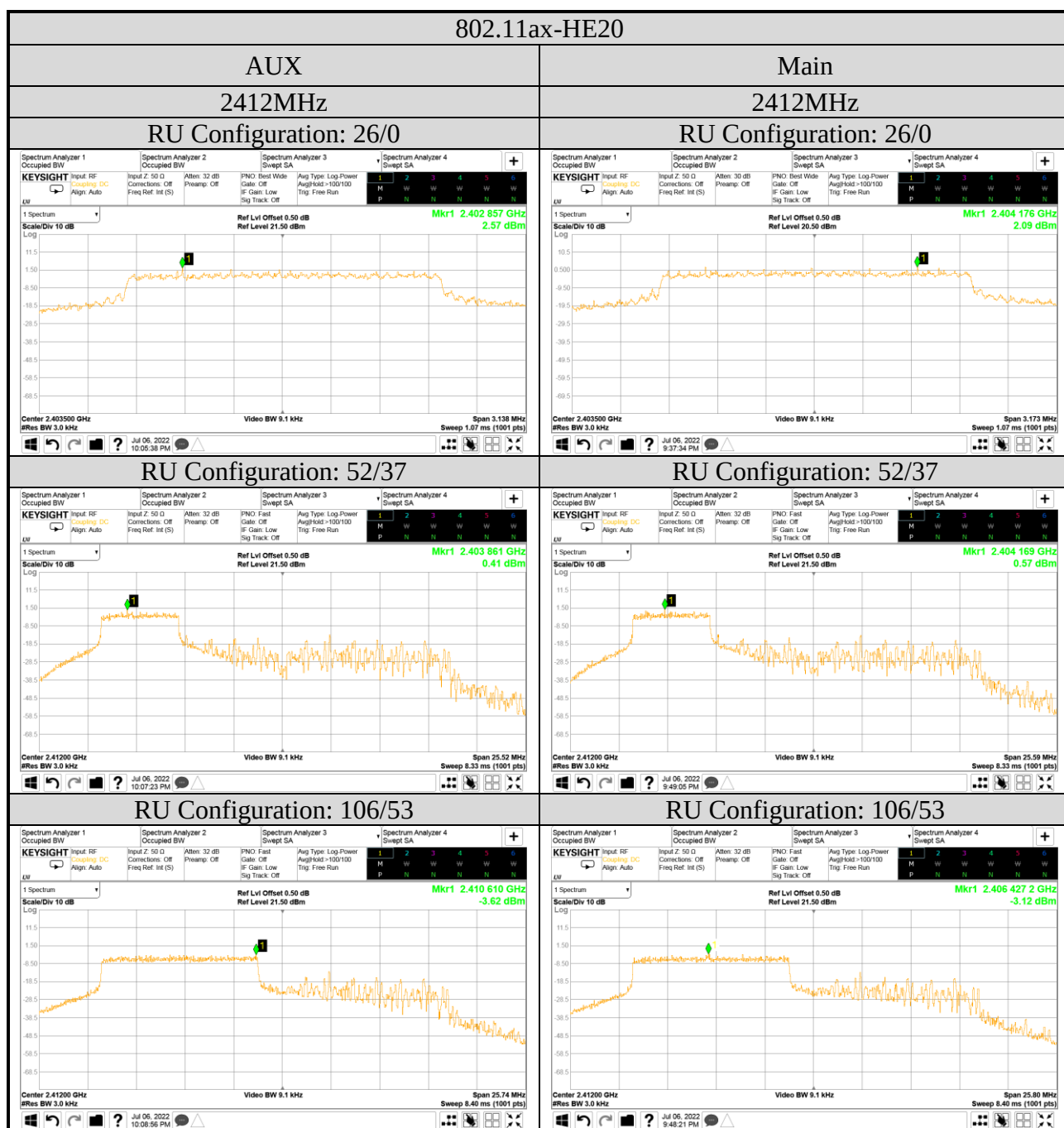
Note: All results have been included cable loss.



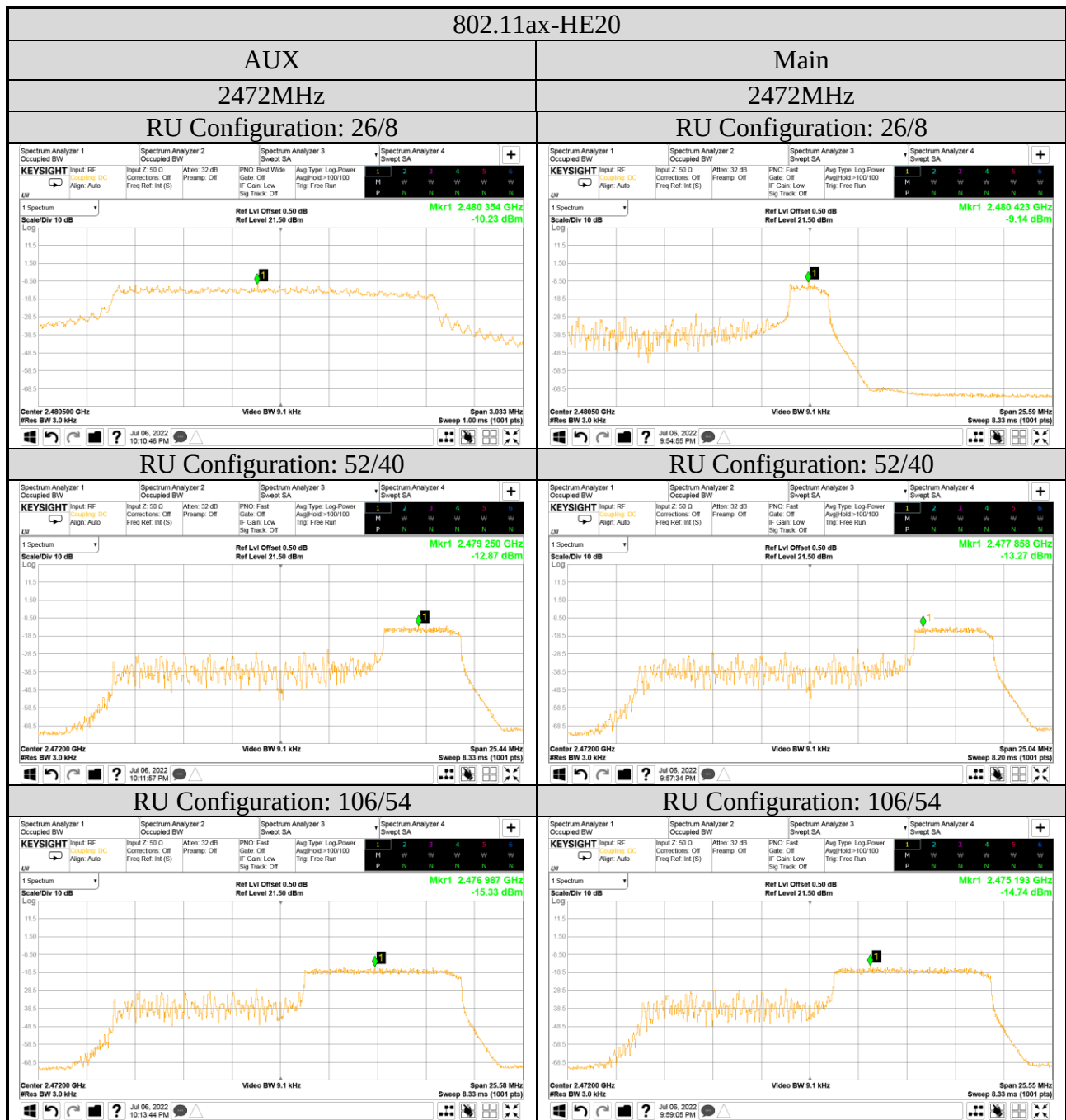
Note: All results have been included cable loss.



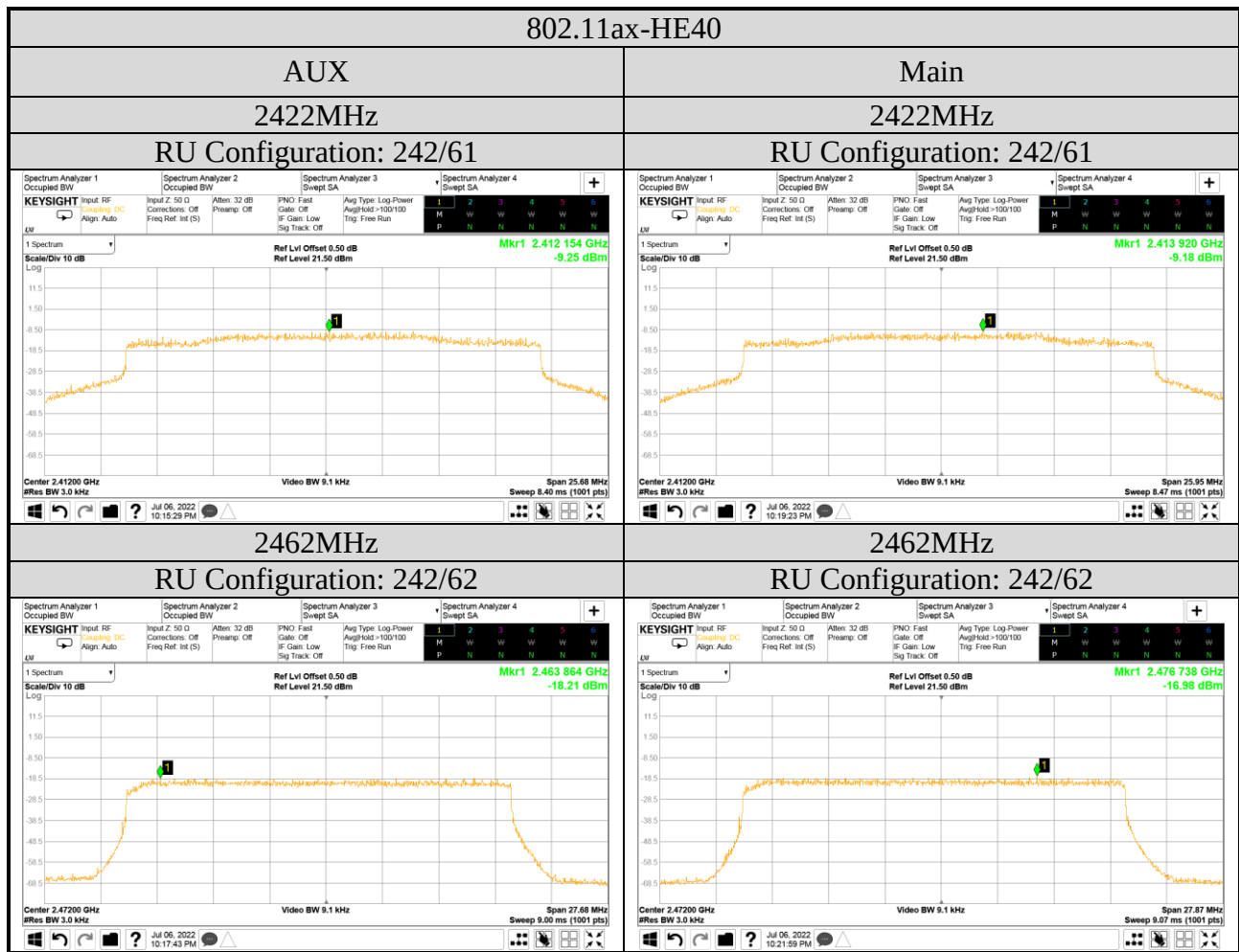
Note: All results have been included cable loss.



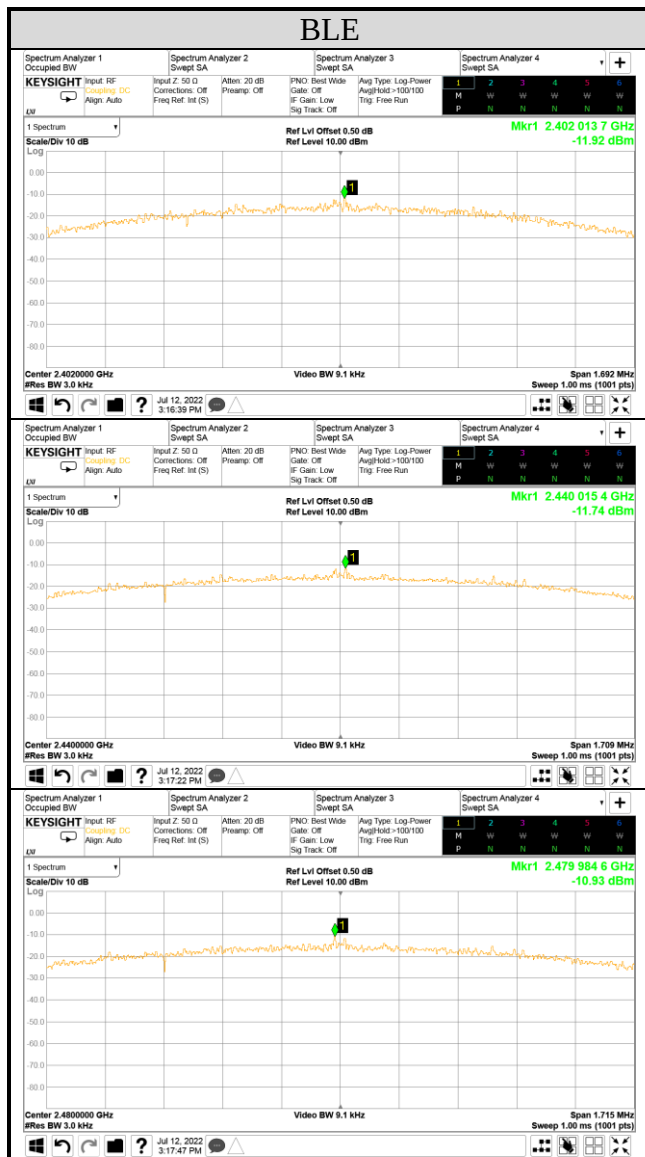
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