

A.6 POWER SPECTRAL DENSITY

Test Date	2022/10/26 ~ 27	Temp./Hum.	23~24°C/58~62%
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) ^{Note 2}	Limit
		AUX	Main		
802.11b	2412	-2.46	-2.10	-2.10	<8 dBm/3kHz
	2442	-2.31	-2.53	-2.31	
	2462	-2.37	-2.36	-2.36	
	2472	-5.58	-6.48	-5.58	
802.11g	2412	-6.88	-6.20	-6.20	
	2442	-3.73	-3.82	-3.73	
	2462	-6.21	-5.94	-5.94	
	2472	-11.63	-11.74	-11.63	

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	-7.97	-8.29	-5.12	<8 dBm/3kHz
	2442	-3.28	-3.09	-0.17	
	2462	-7.83	-8.32	-5.06	
	2472	-18.91	-17.58	-15.18	
802.11n-HT40	2422	-11.77	-11.10	-8.41	
	2442	-10.83	-10.50	-7.65	
	2452	-12.47	-10.91	-8.61	
	2462	-21.08	-19.98	-17.48	
802.11ax-HE20	2412	-8.90	-8.76	-5.82	
	2442	-4.64	-3.72	-1.15	
	2462	-8.16	-8.49	-5.31	
	2472	-19.78	-19.08	-16.41	
802.11ax-HE40	2422	-12.24	-12.94	-9.57	
	2442	-12.84	-12.32	-9.56	
	2452	-13.81	-13.47	-10.63	
	2462	-21.60	-21.93	-18.75	

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	1.54	2.06	4.82	<8 dBm/3kHz
	52/37		-0.29	-0.47	2.63	
	106/53		-3.68	-3.66	-0.66	
	26/8	2472	-10.56	-9.86	-7.19	
	52/40		-12.58	-13.13	-9.84	
	106/54		-14.39	-14.70	-11.53	
802.11ax-HE40	242/61	2422	-9.99	-9.41	-6.68	
	242/62	2462	-18.74	-18.37	-15.54	

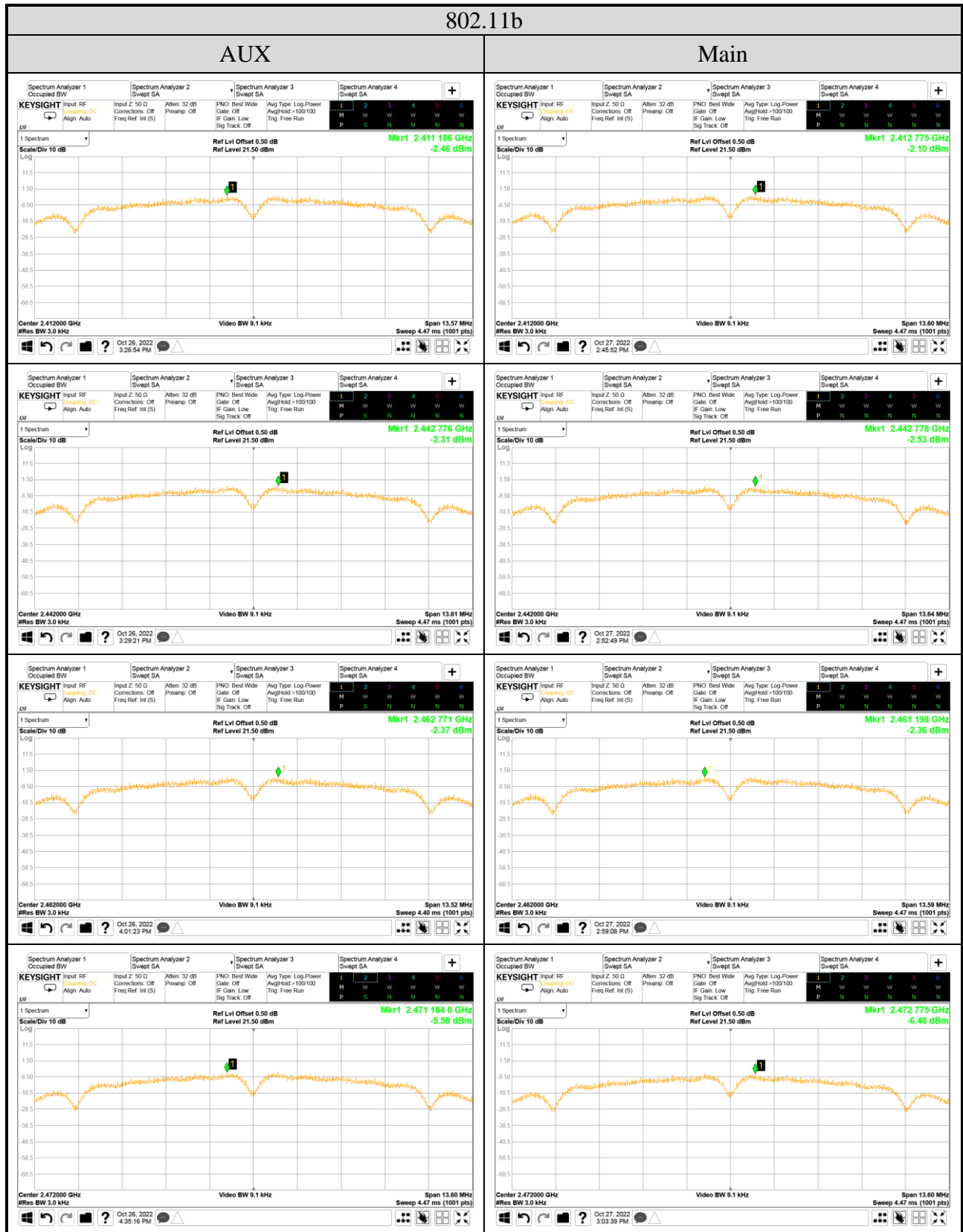
Note: 1. All results have been included cable loss.

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

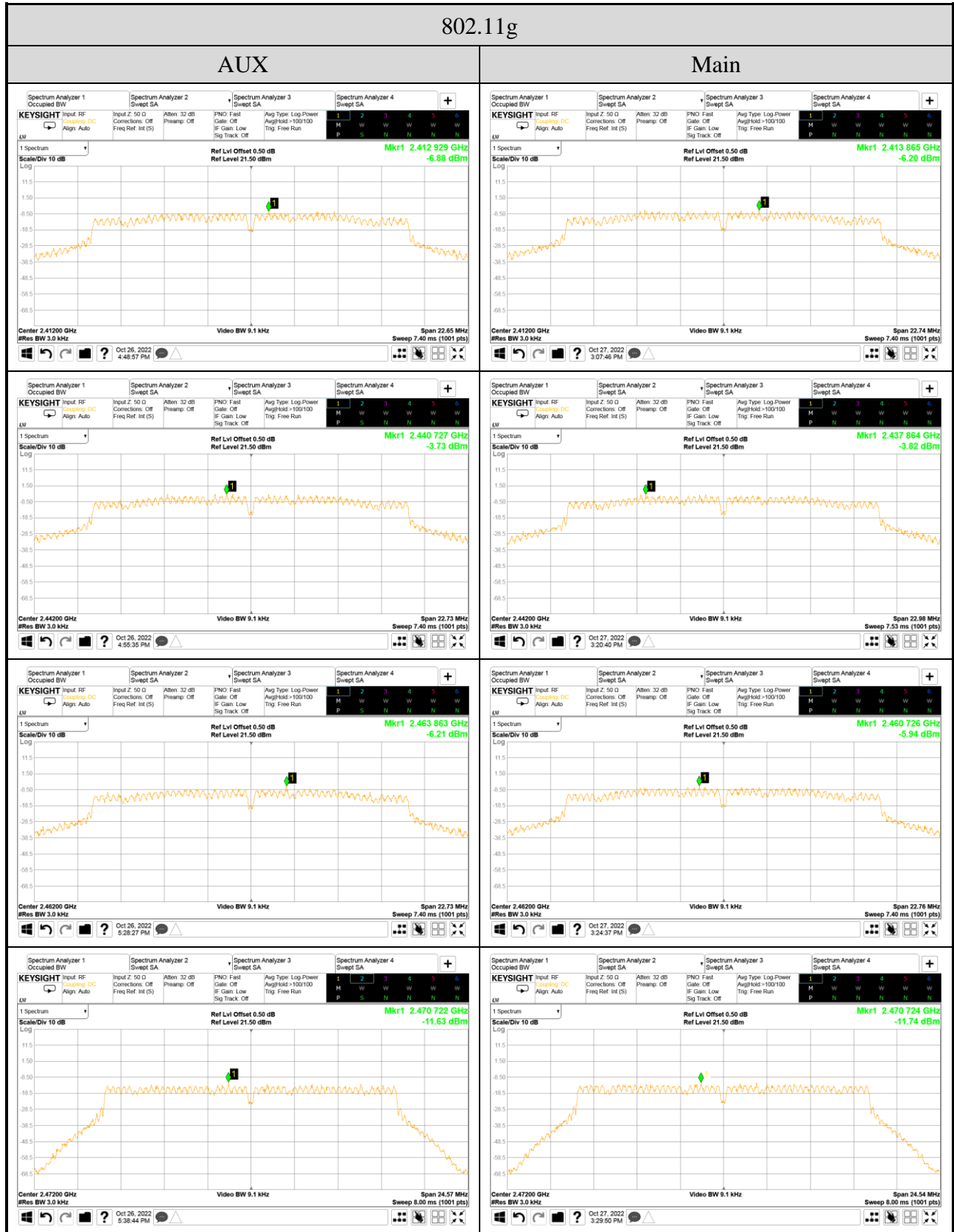
Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	-11.71	<8 dBm/3kHz
	2440	-11.56	
	2480	-11.17	

Note: All results have been included cable loss.

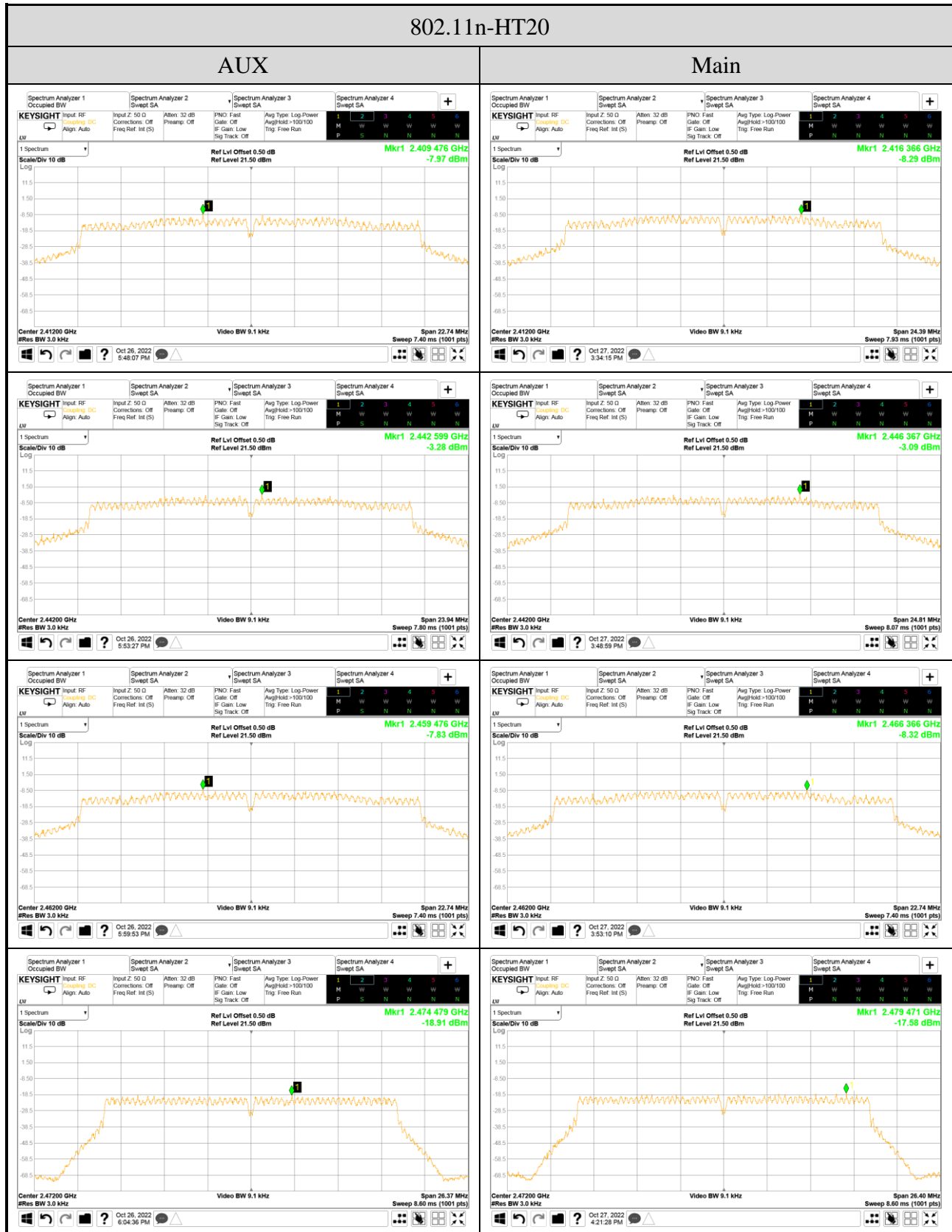
A.6.2 Measurement Plots



Note: All results have been included cable loss.



Note: All results have been included cable loss.

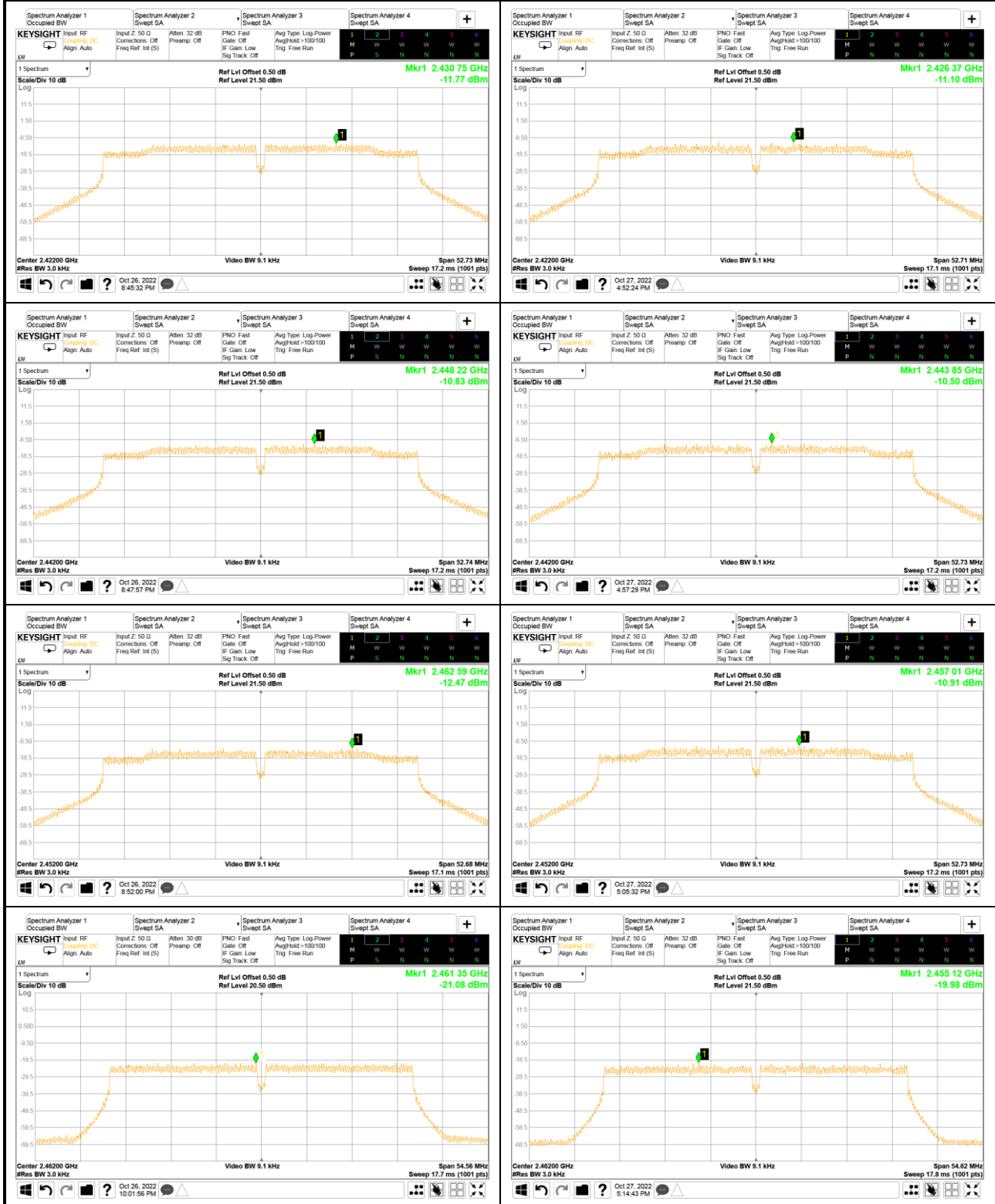


Note: All results have been included cable loss.

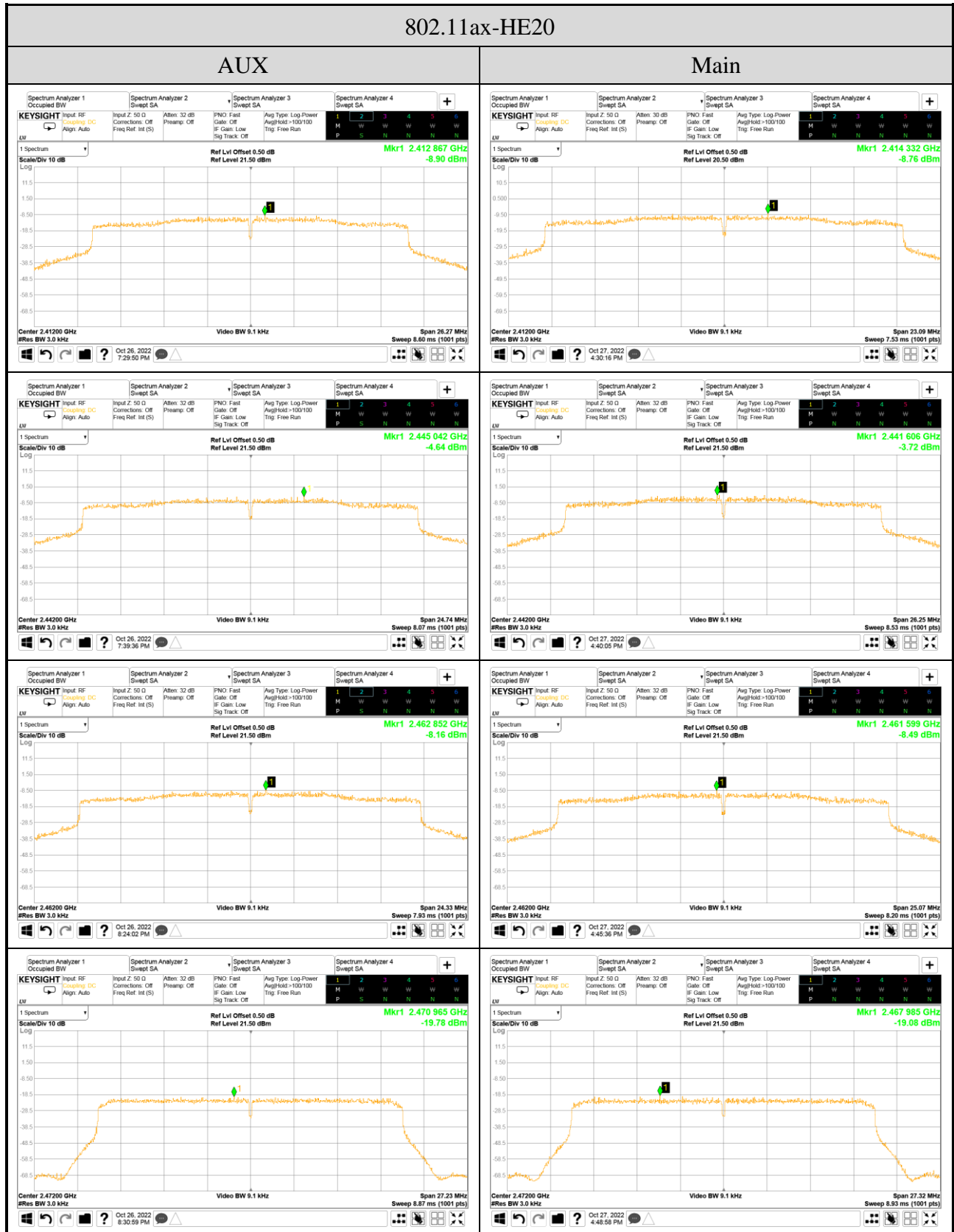
802.11n-HT40

AUX

Main

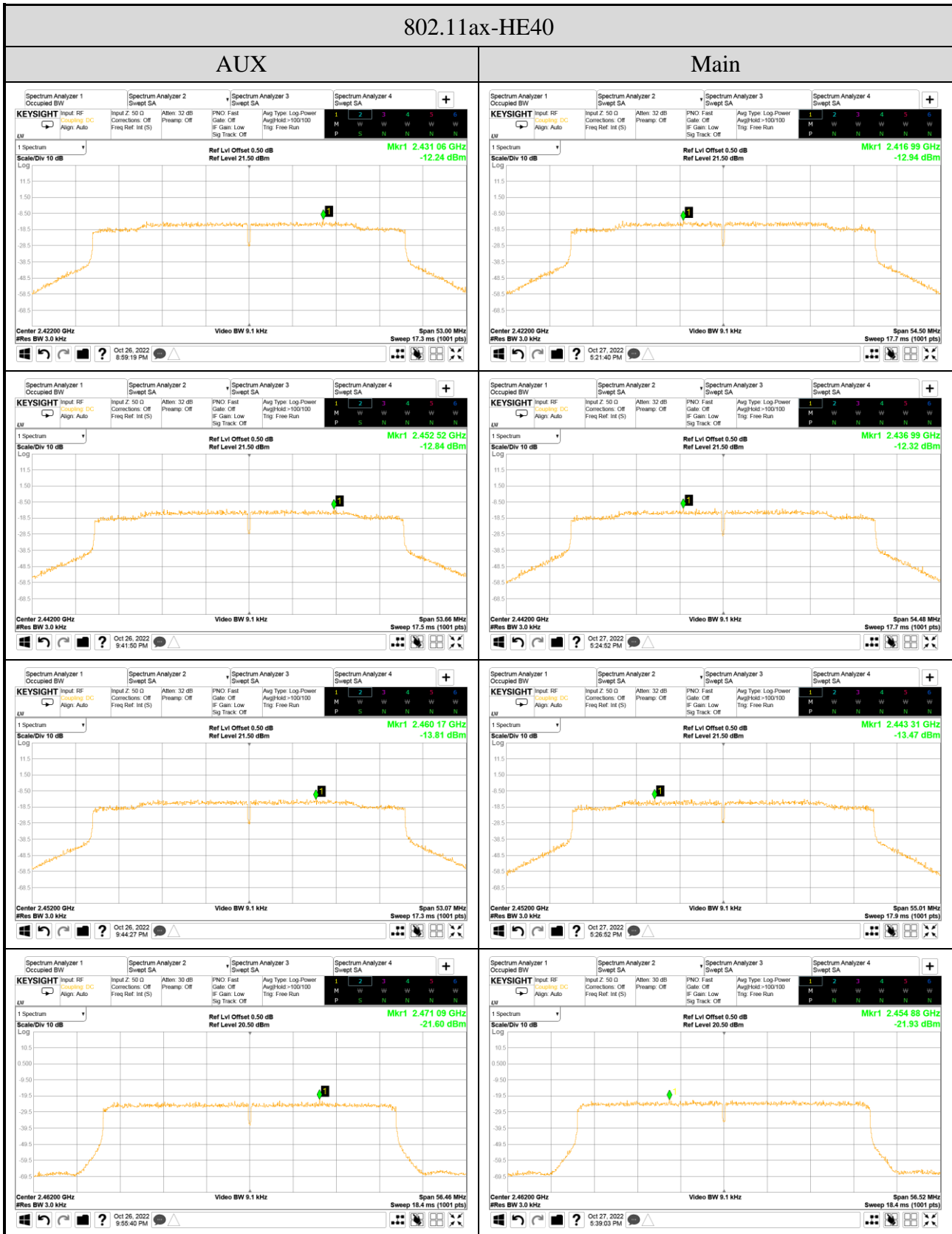


Note: All results have been included cable loss.

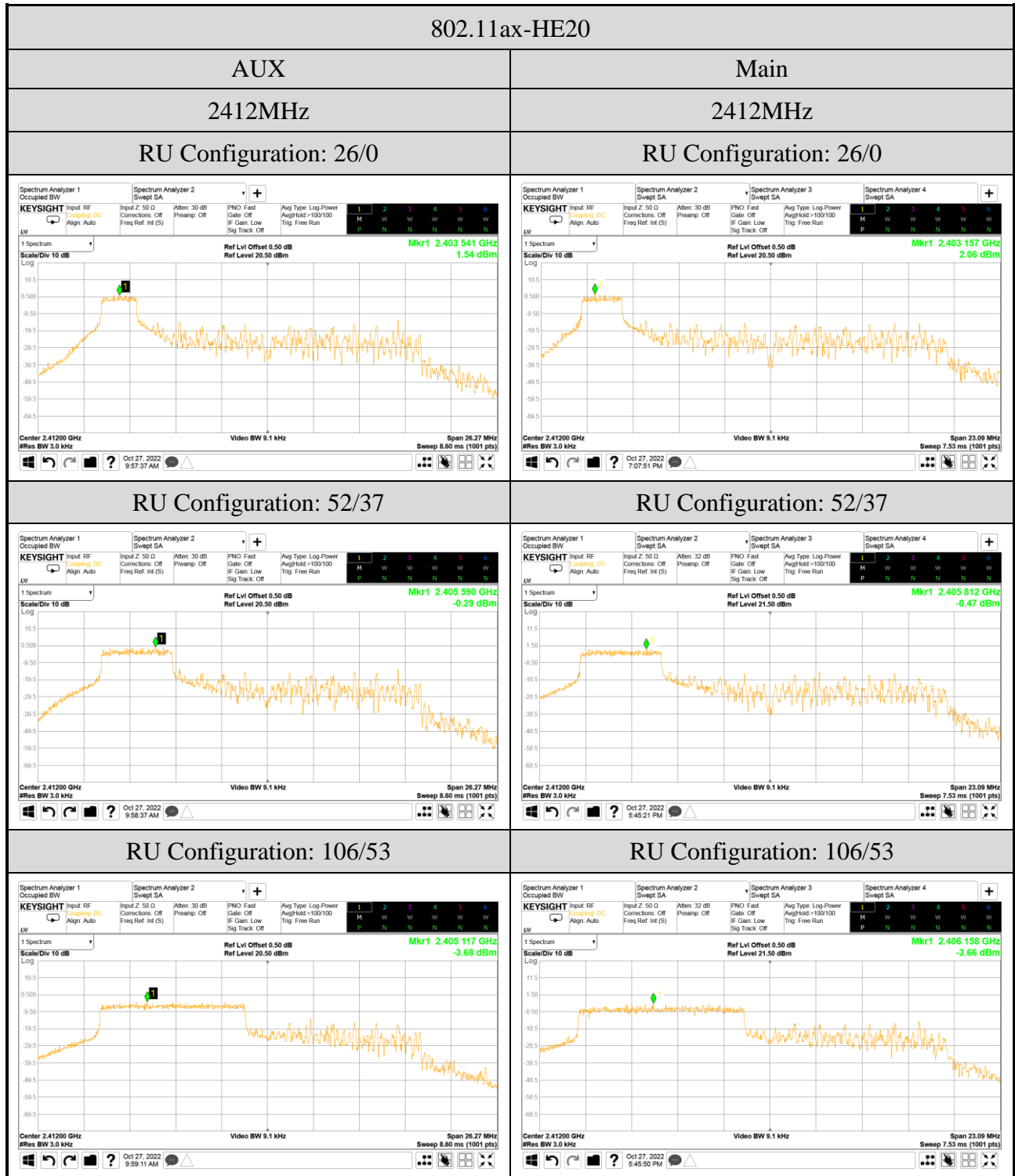


Note: All results have been included cable loss.

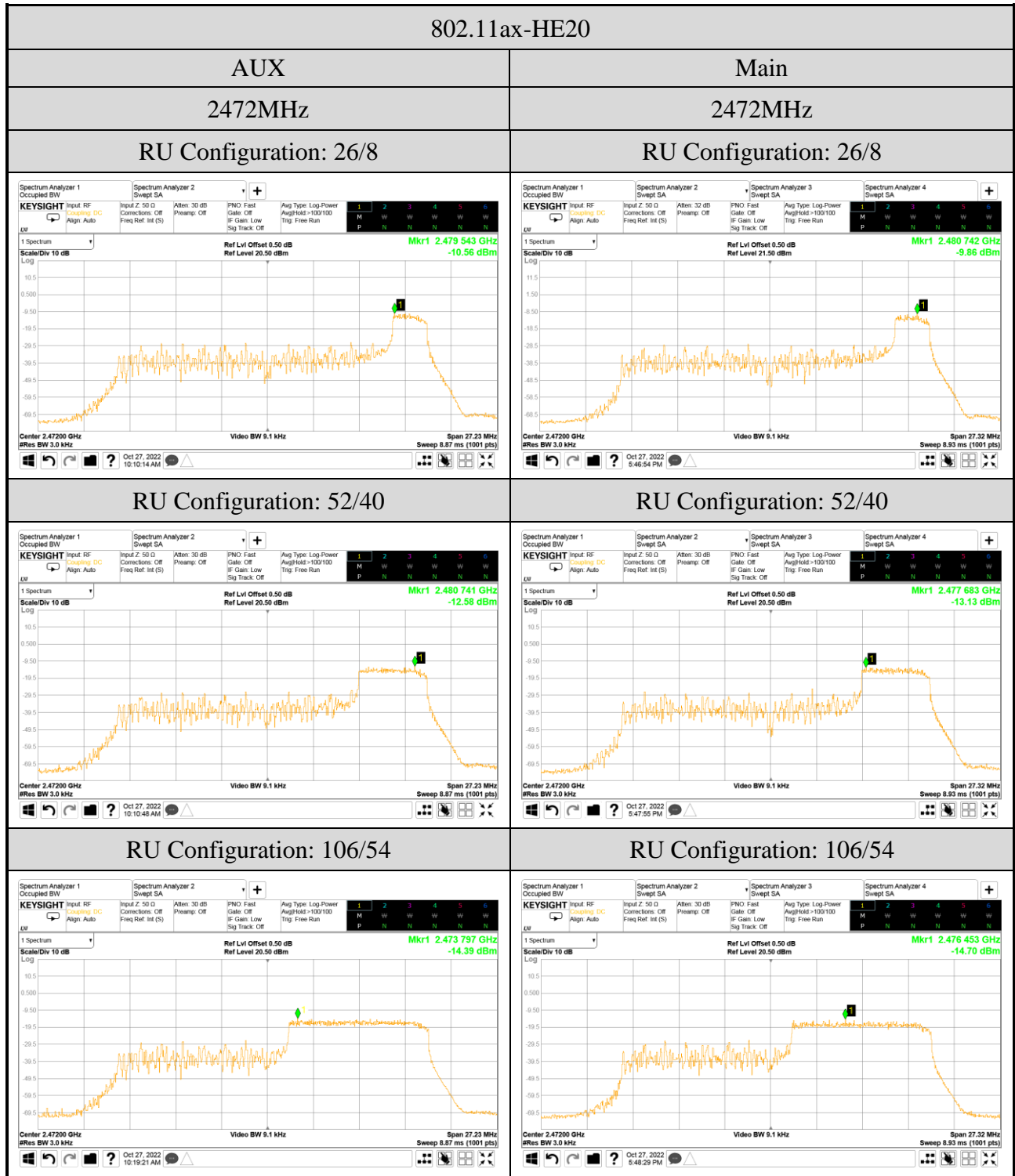
802.11ax-HE40



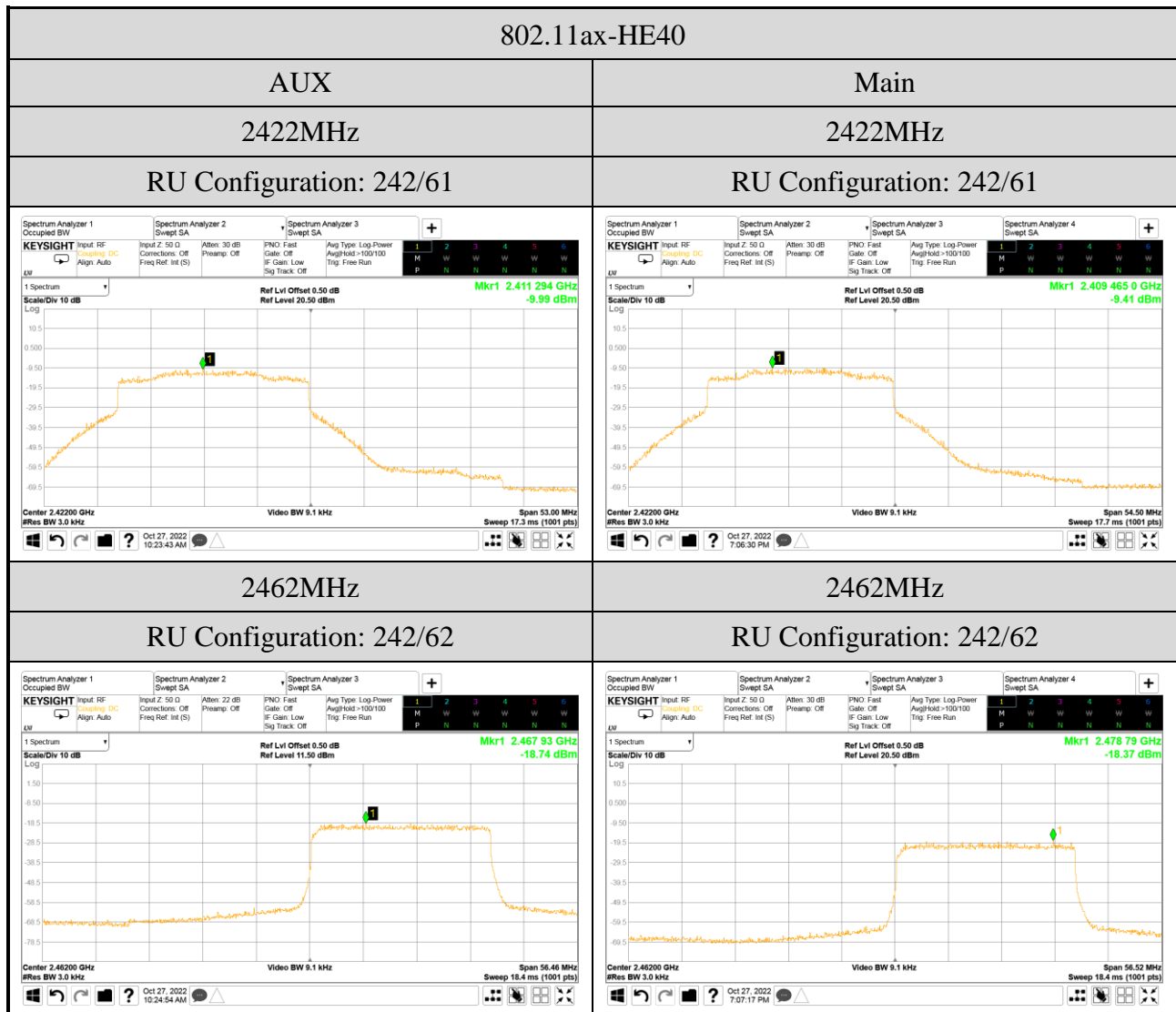
Note: All results have been included cable loss.



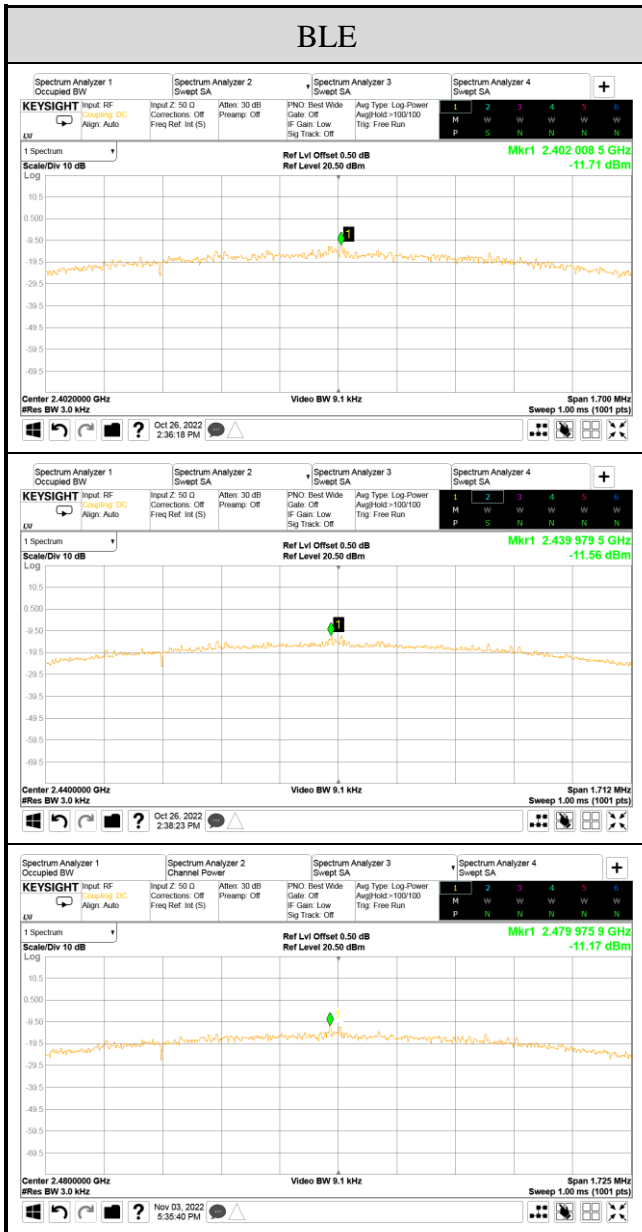
Note: All results have been included cable loss.



Note: All results have been included cable loss.



Note: All results have been included cable loss.



Note: All results have been included cable loss.



APPDNDIX B

TEST PHOTOGRAPHS

(Model: 16Z90RS)