

A.6 POWER SPECTRAL DENSITY

Test Date	2025/10/13 ~ 28	Temp./Hum.	23~24°C/58~59%
Cable Loss	2.0dB	Tested By	Harry Huang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.6.1 Power Spectral Density Result

● Wireless LAN Mode

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		MAX. Power Spectral Density (dBm) ^{Note 2}	Limit
		AUX	Main		
802.11b	2412	-3.300	-1.940	-1.940	<8 dBm/3kHz
	2442	-3.050	-2.550	-2.550	
	2462	-3.040	-1.920	-1.920	
	2472	-5.680	-5.260	-5.260	
802.11g	2412	-6.220	-4.740	-4.740	
	2442	-5.050	-4.360	-4.360	
	2462	-5.310	-4.190	-4.190	
	2472	-8.120	-7.880	-7.880	

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

2. MAX. Power Spectral Density (dBm) = Max of each Power Spectral Density (dBm).

3. We only presented max result (worst case) plots for each test mode.

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Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) ^{Note 2}	Limit
		AUX	Main		
802.11n-HT20	2412	-8.680	-6.480	-4.432	<8 dBm/3kHz
	2442	-6.900	-4.490	-2.520	
	2462	-6.830	-5.230	-2.946	
	2472	-10.480	-9.350	-6.868	
802.11n-HT40	2422	-12.840	-12.230	-9.514	
	2442	-11.060	-9.850	-7.403	
	2452	-12.220	-11.440	-8.802	
	2462	-11.410	-10.860	-8.116	
802.11ax-HE20	2412	-13.590	-12.310	-9.893	
	2442	-12.110	-11.260	-8.654	
	2462	-13.210	-11.250	-9.110	
	2472	-15.840	-15.290	-12.546	
802.11ax-HE40	2422	-17.670	-16.240	-13.886	
	2442	-15.820	-14.820	-12.281	
	2452	-16.310	-14.660	-12.397	
	2462	-17.290	-16.590	-13.916	
802.11be-EHT20	2412	-8.740	-14.550	-7.728	
	2442	-6.780	-12.970	-5.844	
	2462	-7.130	-12.410	-6.002	
	2472	-10.090	-16.930	-9.273	
802.11be-EHT40	2422	-14.060	-18.020	-12.593	
	2442	-10.520	-15.670	-9.362	
	2452	-11.340	-16.030	-10.070	
	2462	-12.250	-17.220	-11.049	

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).

3. We only presented max result (worst case) plots for each test mode.

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Mode	Centre Frequency (MHz)	RU Config	Power Spectral Density (dBm)		Total Power Spectral Density (dBm) ^{Note 2}	Limit
			AUX	Main		
802.11ax-HE20	2412	26/0	1.380	1.350	4.375	<8 dBm/3kHz
		52/37	-3.340	-1.500	0.687	
		106/53	-5.600	-4.380	-1.937	
	2472	26/8	-3.060	-1.490	0.806	
		52/40	-7.840	-4.890	-3.109	
		106/54	-10.450	-8.890	-6.590	
802.11be-EHT20	2412	26/0	1.010	1.110	4.071	
		52/37	-2.170	-1.030	1.448	
		106/53	-6.120	-4.840	-2.423	
	2472	26/8	-3.440	-2.210	0.229	
		52/40	-7.490	-4.750	-2.897	
		106/54	-7.920	-5.860	-3.759	

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).

3. We only presented max result (worst case) plots for each test mode.

Mode	Centre Frequency (MHz)	RU Config		Power Spectral Density (dBm)		Total Power Spectral Density (dBm) ^{Note 2}	Limit
		Tone	Index	AUX	Main		
802.11be-EHT20	2412	26+52	70	-1.910	-2.770	0.692	<8 dBm/3kHz
		26+106	82	-2.580	-4.910	-0.580	
	2472	26+52	72	-3.110	-6.180	-1.369	
		26+106	83	-5.520	-7.060	-3.212	

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).

3. We only presented max result (worst case) plots for each test mode.

● BLE Mode

Mode	Center Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE (1Mbps)	2402	-5.32	<8 dBm/3kHz
	2440	-5.55	
	2480	-5.38	

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

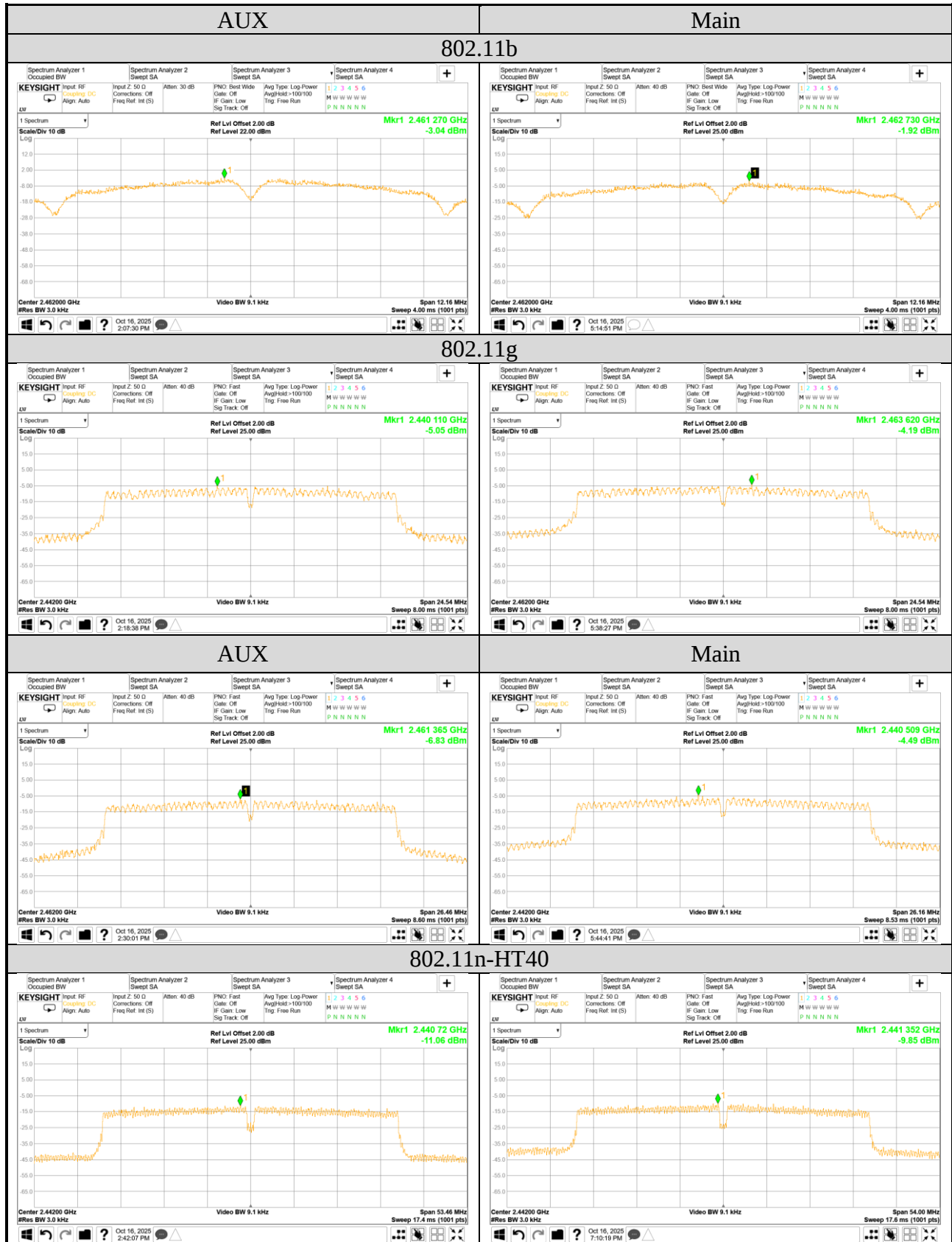
2. We only presented max result (worst case) plots for this test mode.

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A.6.2 Measurement Plots

● Wireless LAN Mode



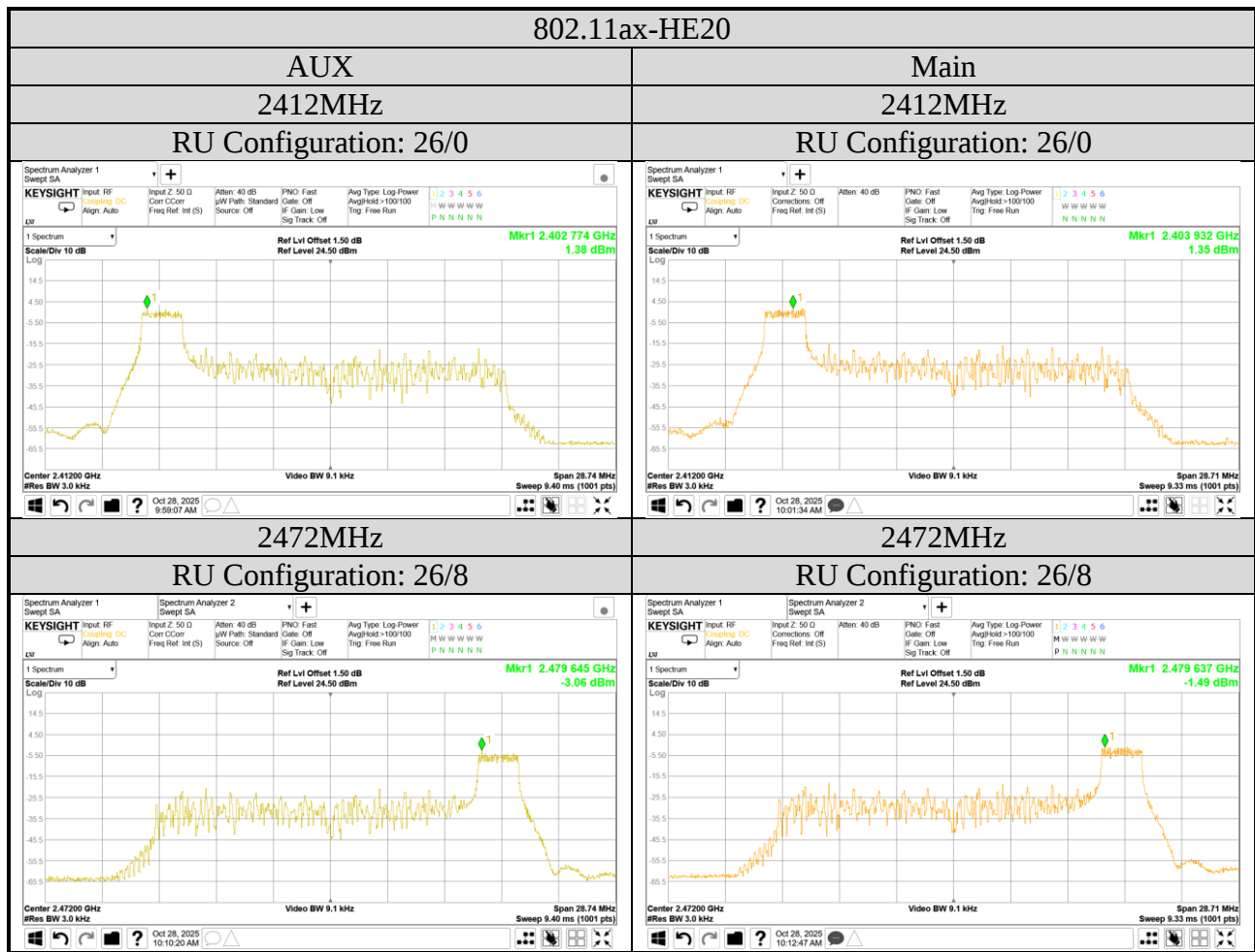
Note: All results have been included cable loss.



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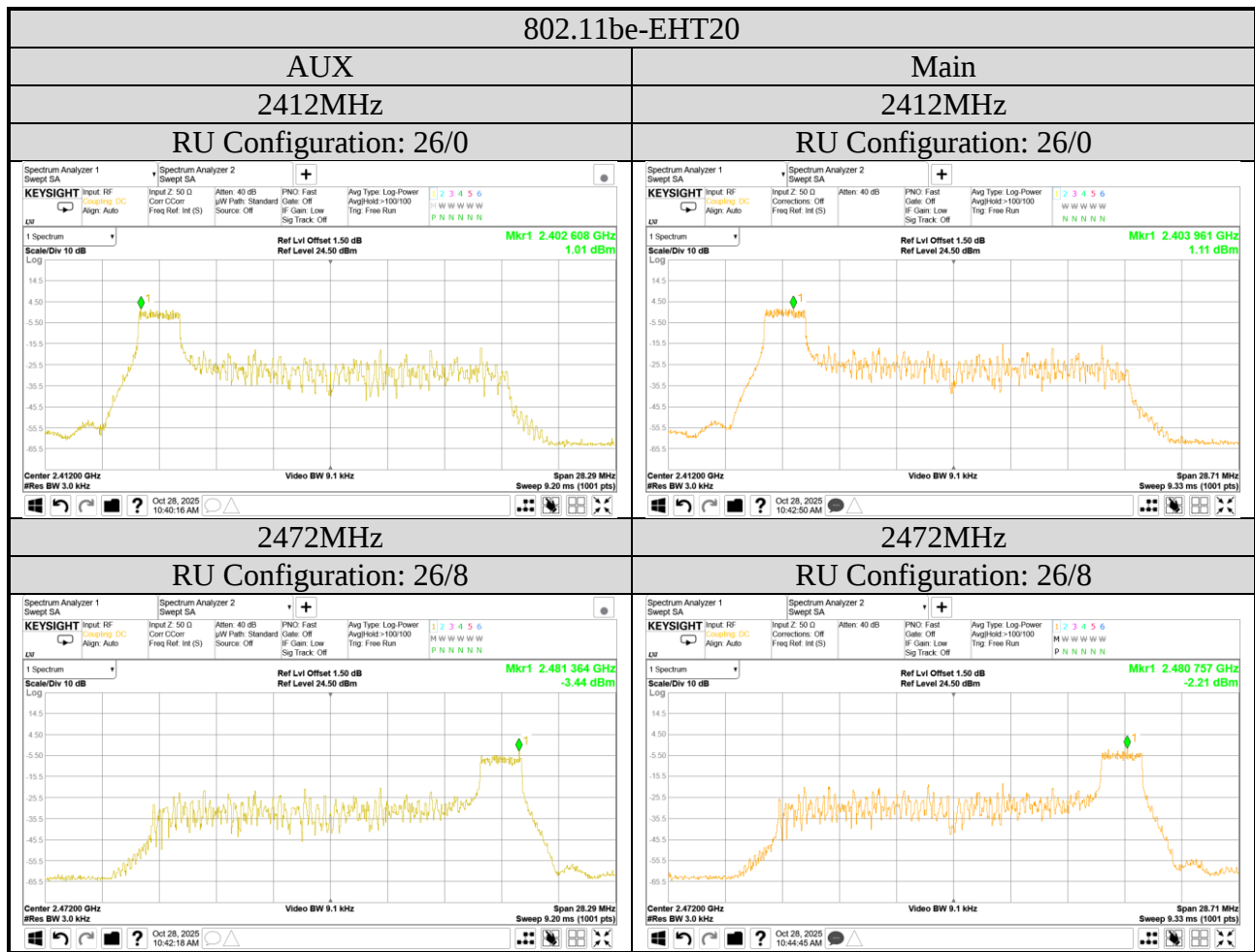
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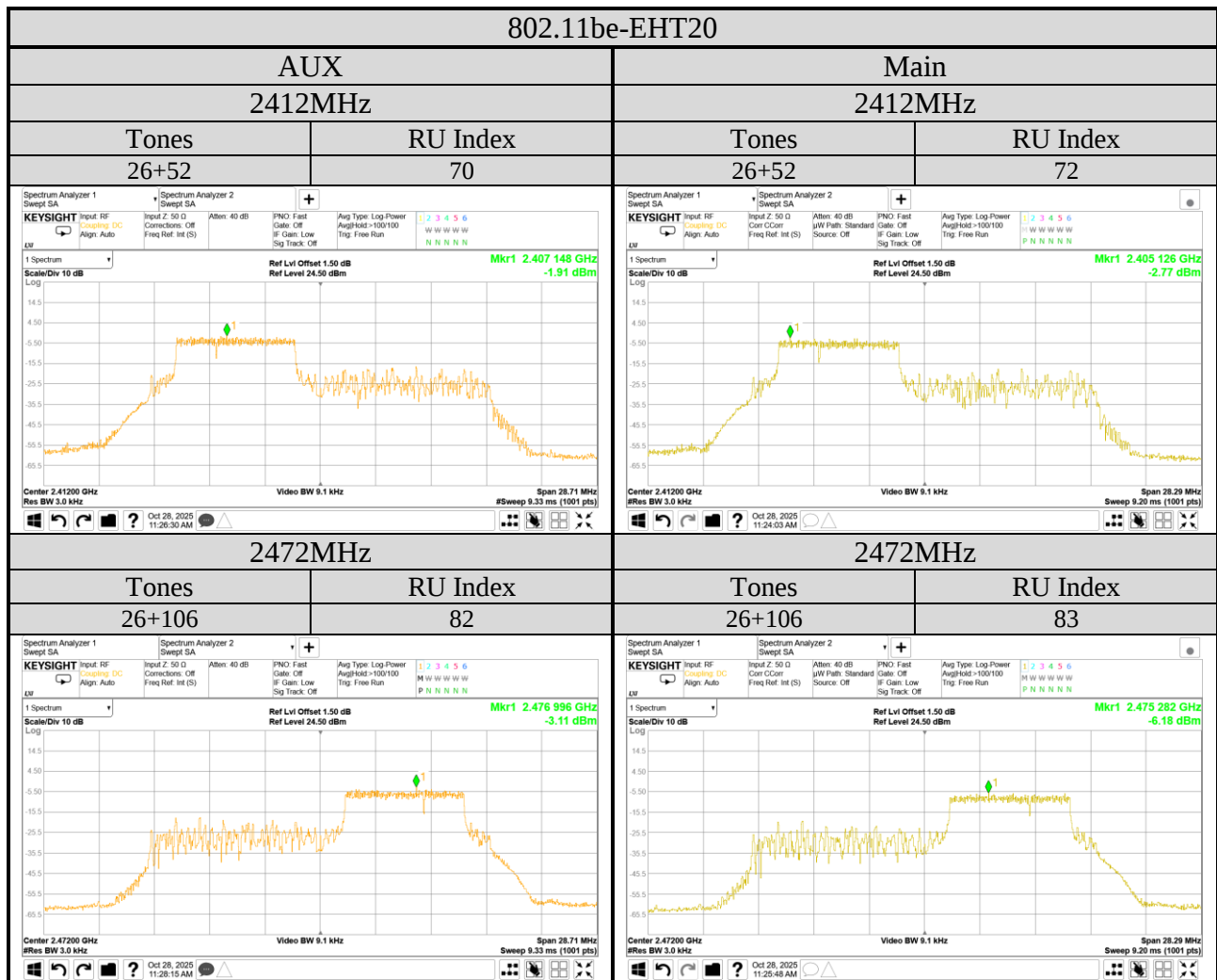
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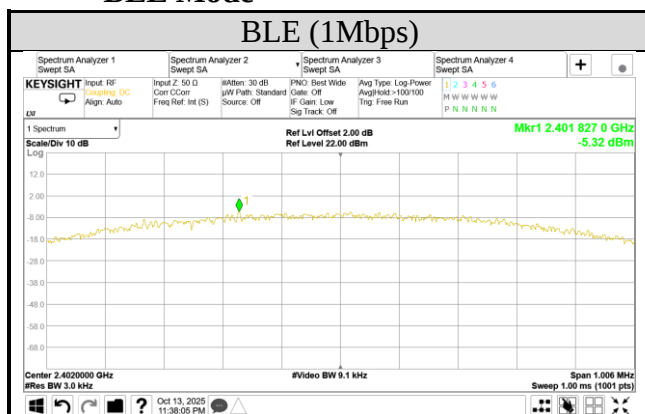
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Note: All results have been included cable loss.

● BLE Mode



Note: All results have been included cable loss.