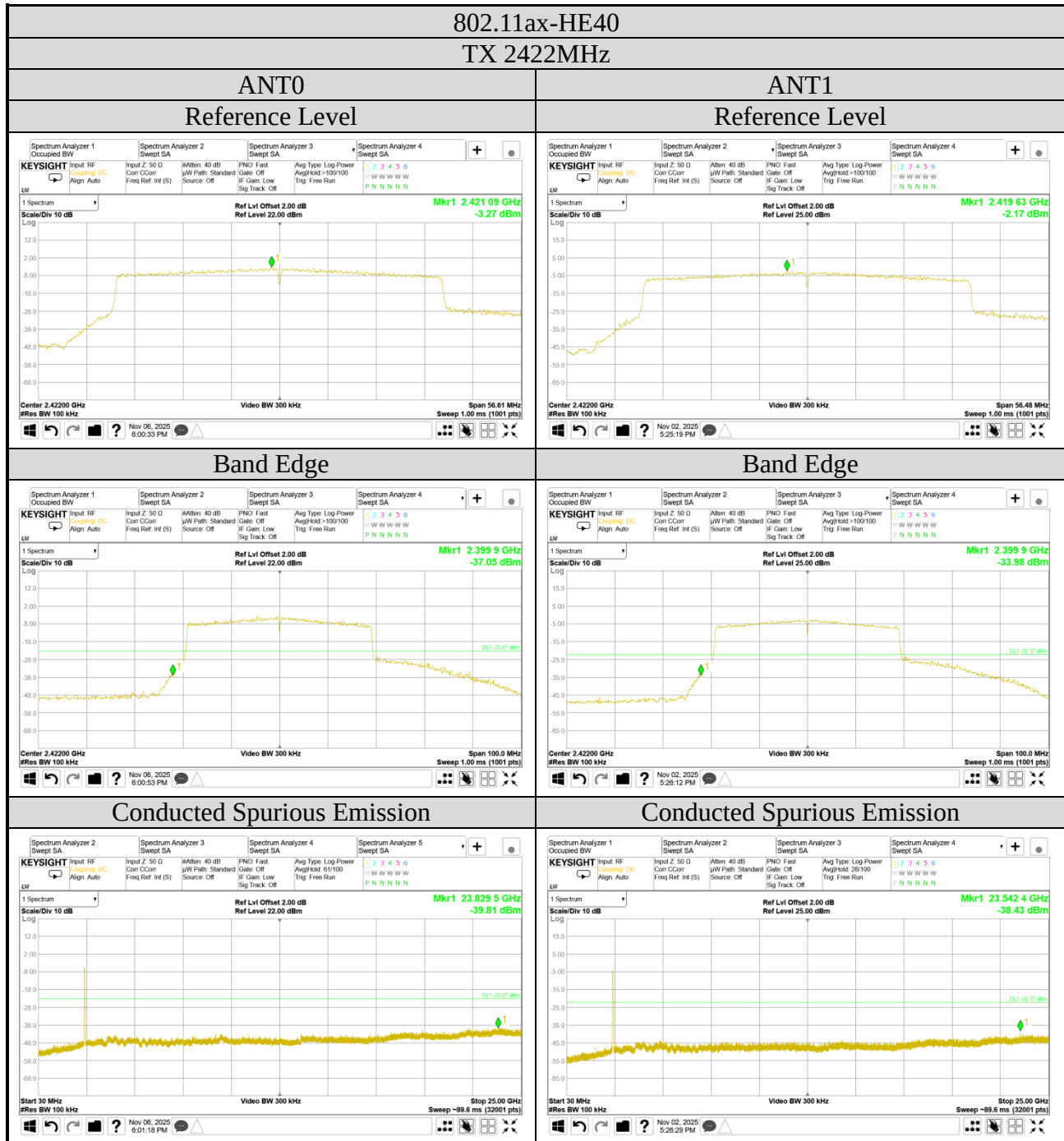


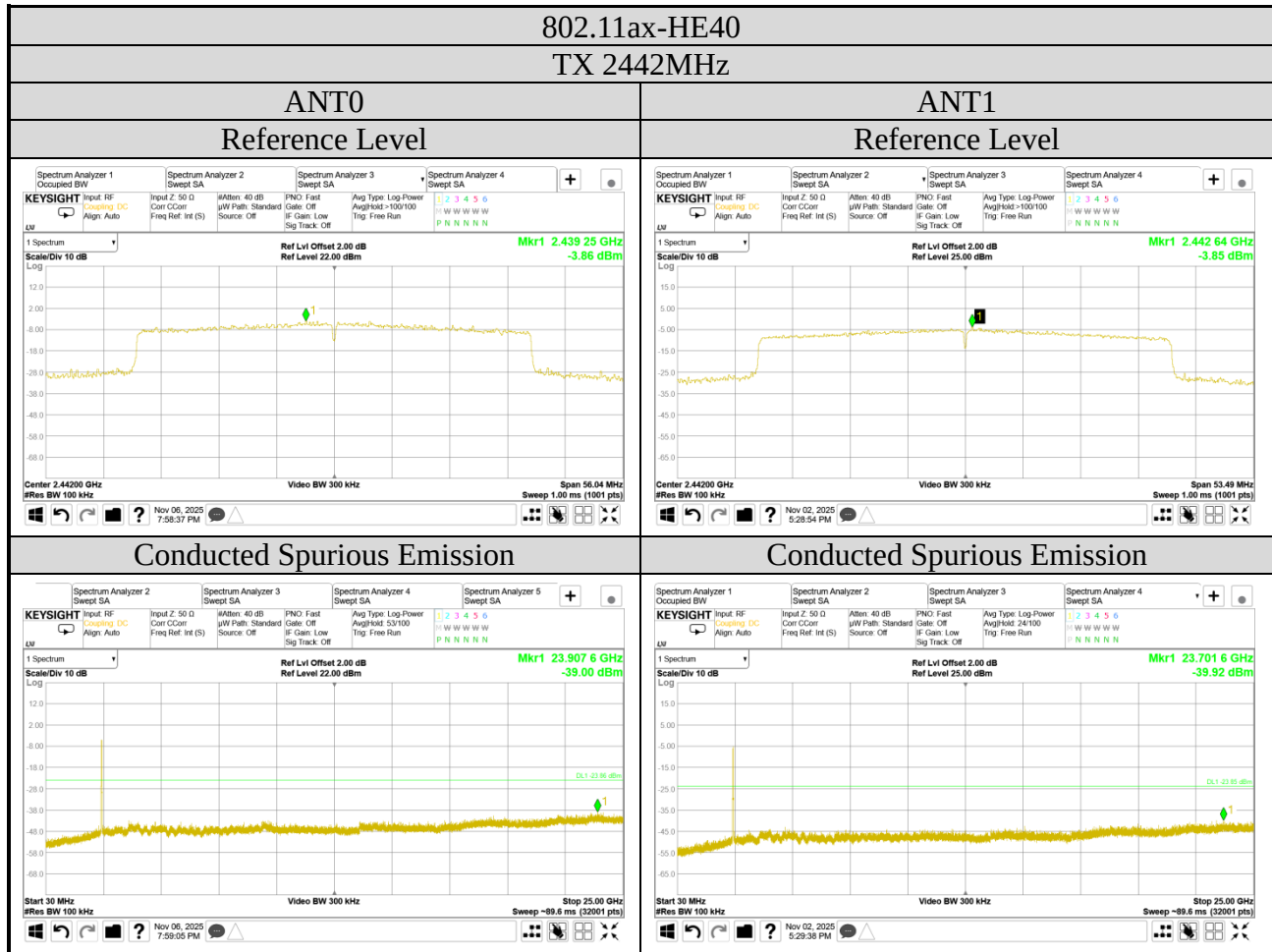
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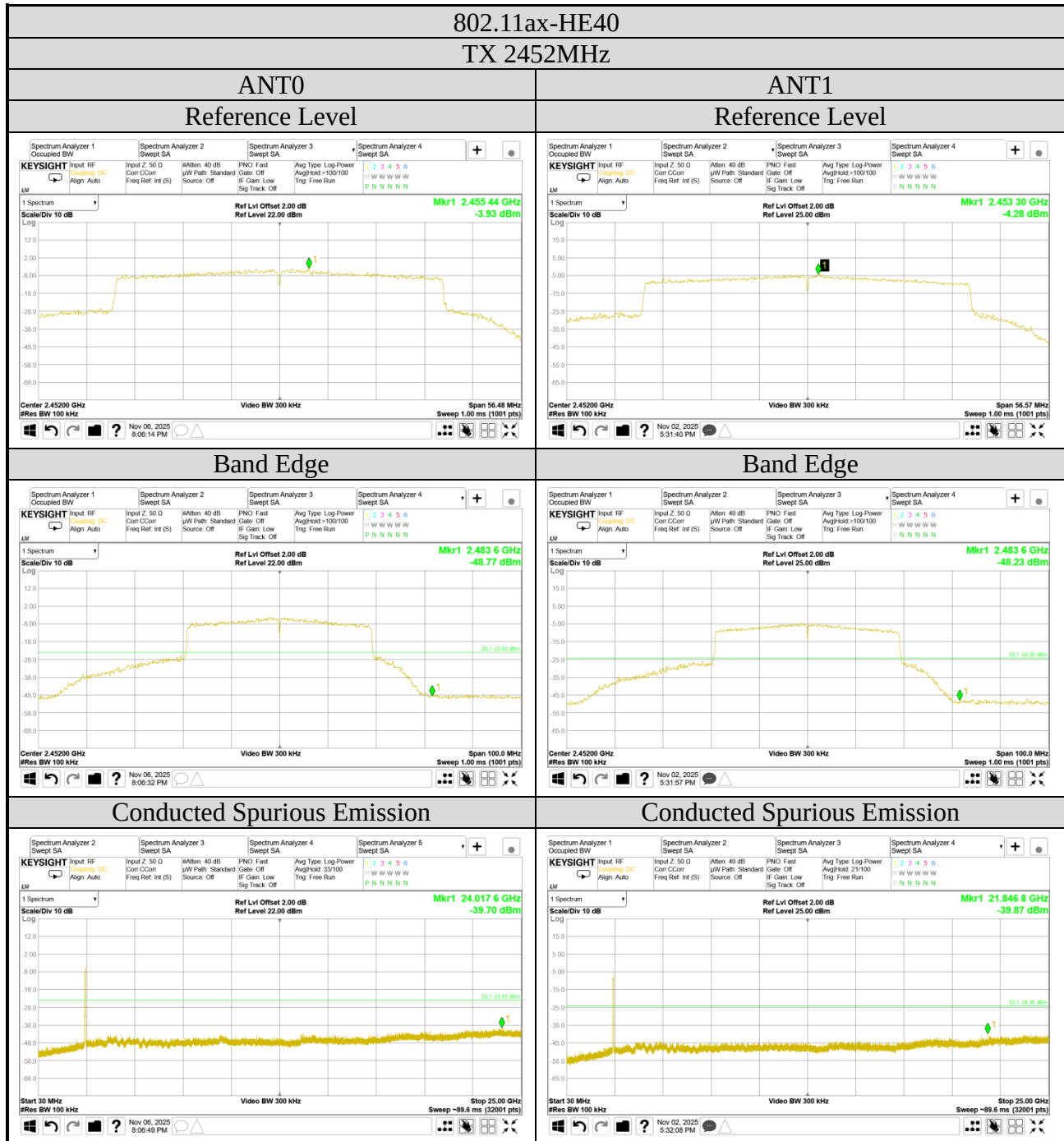
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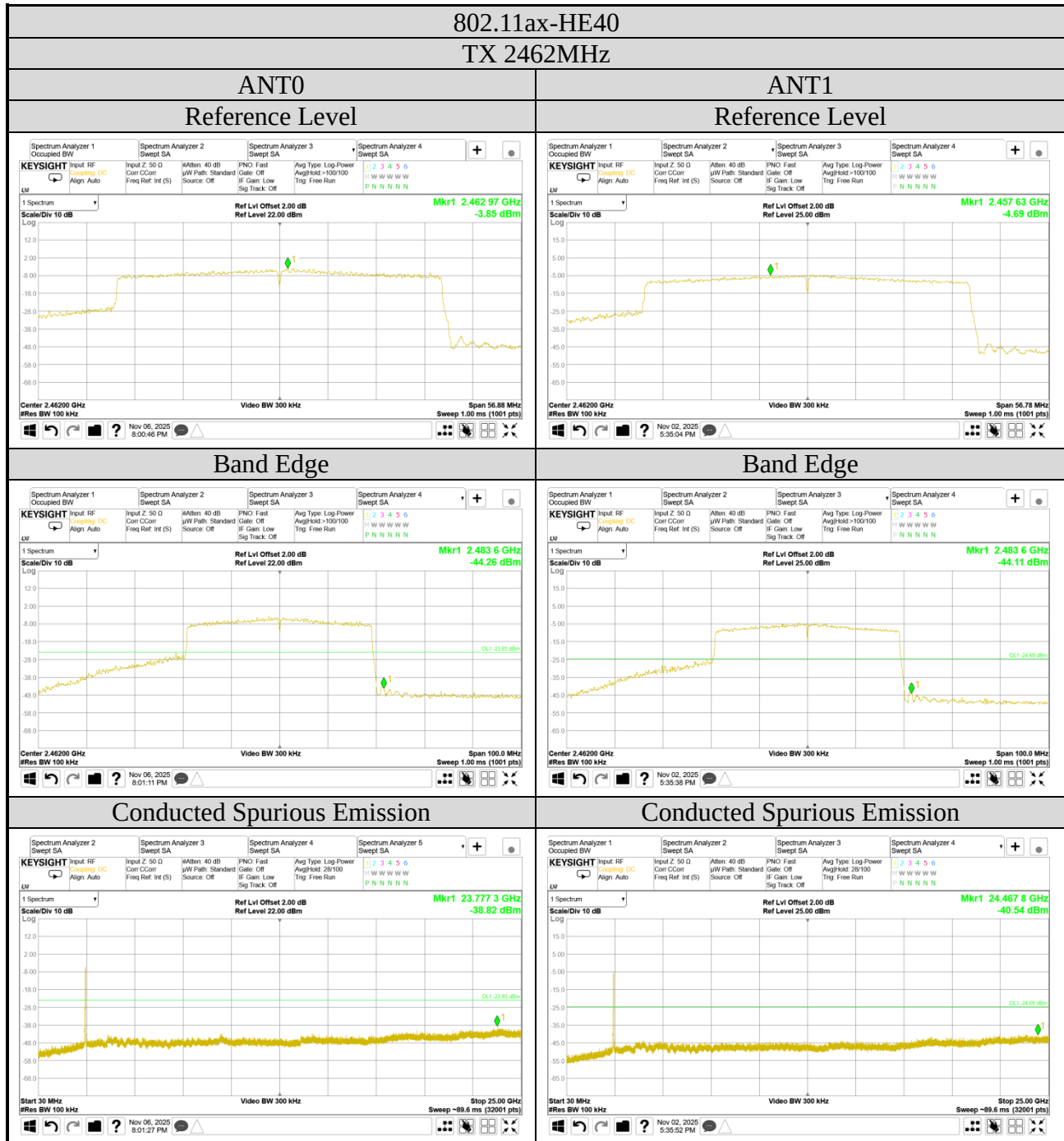
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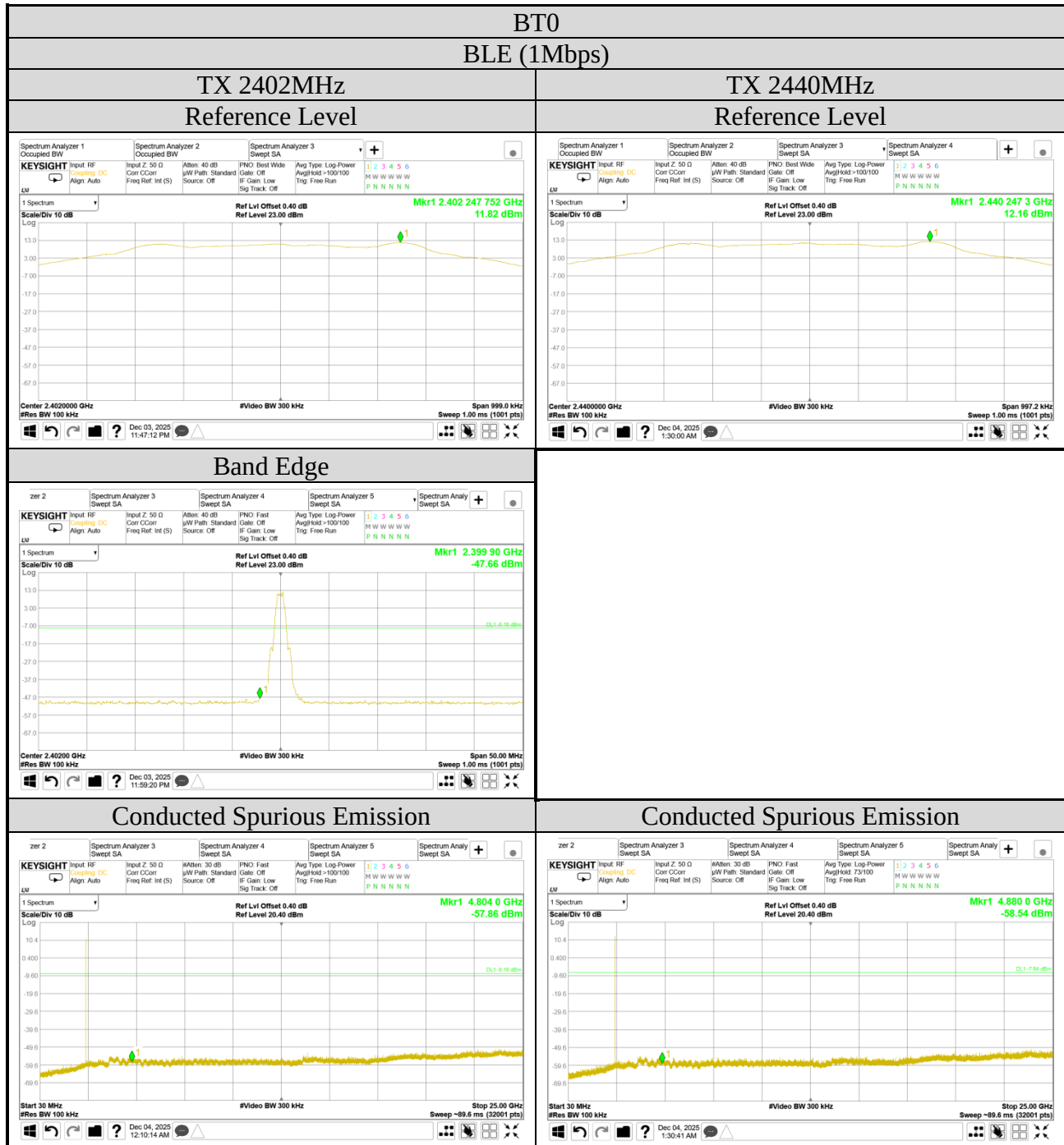
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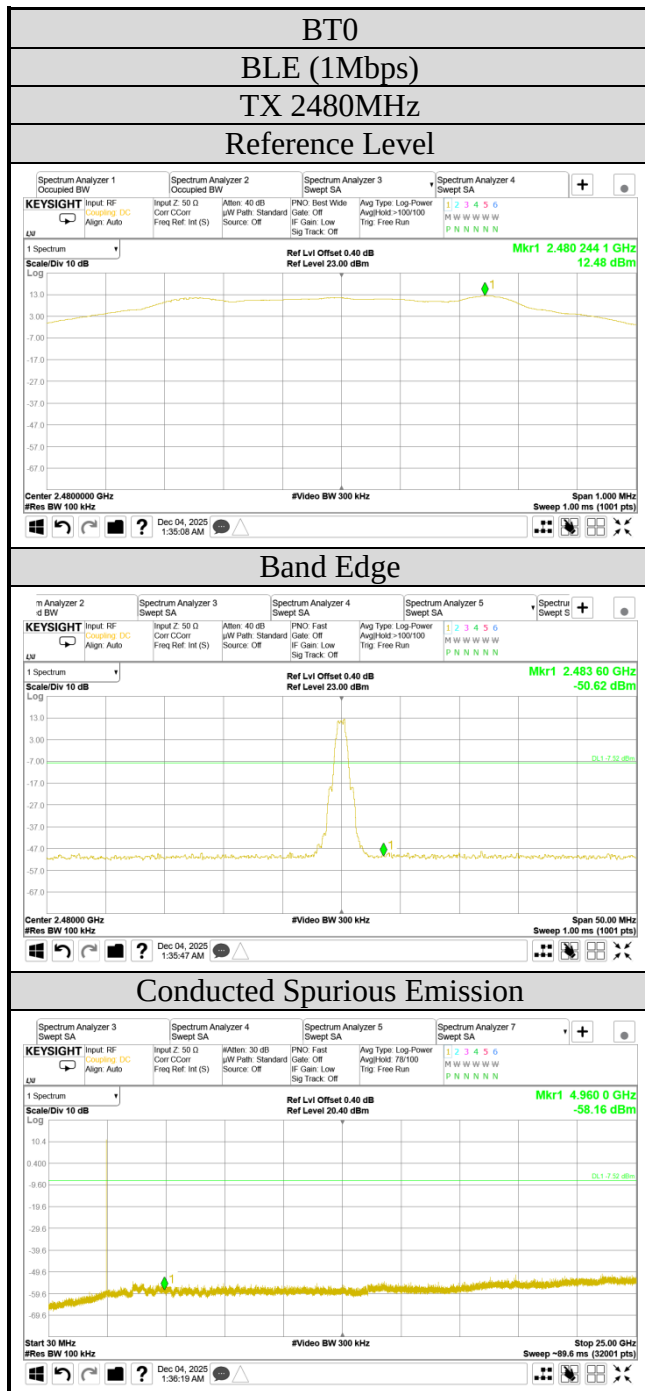
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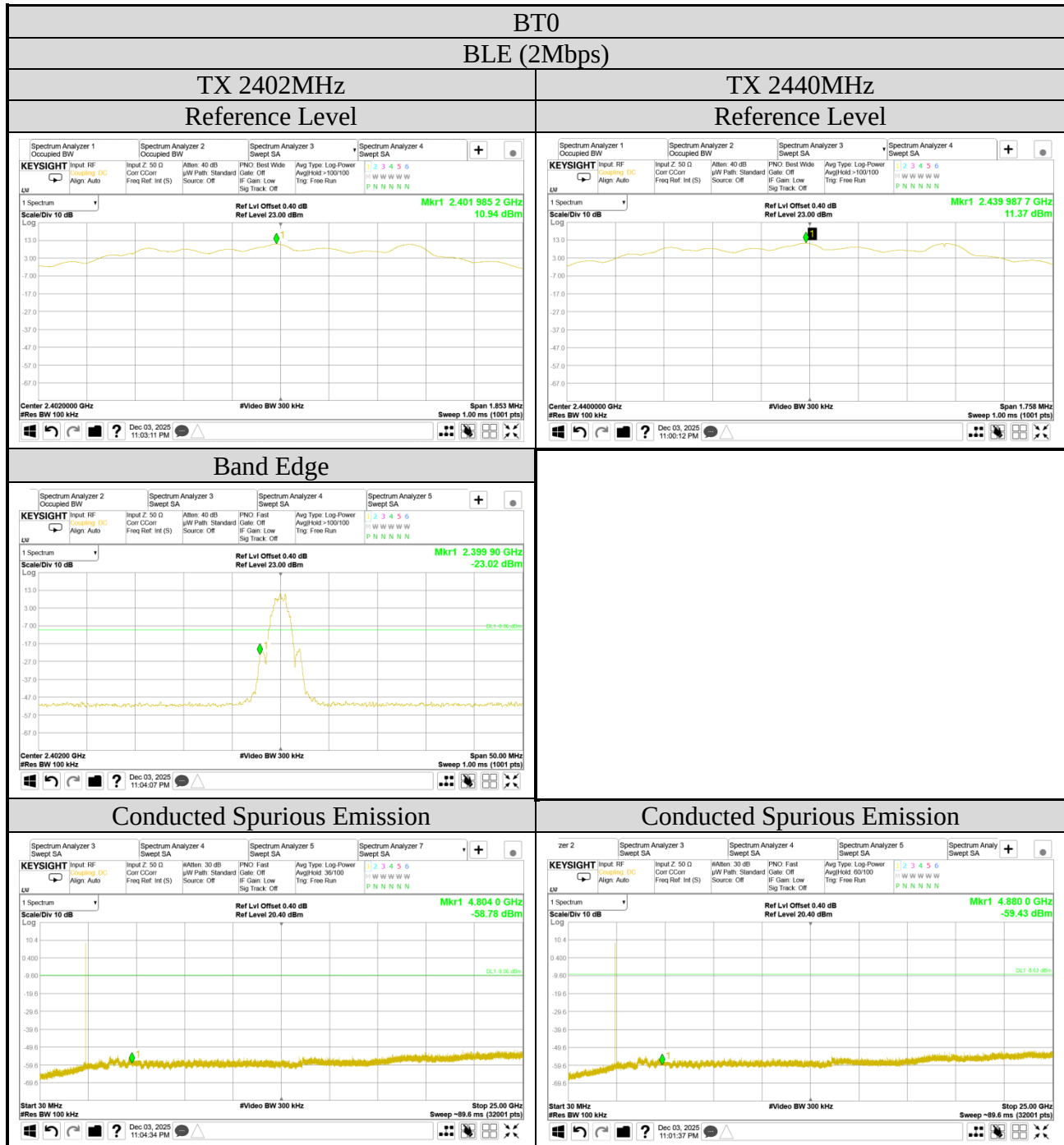
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Fax: +886 2 26099303



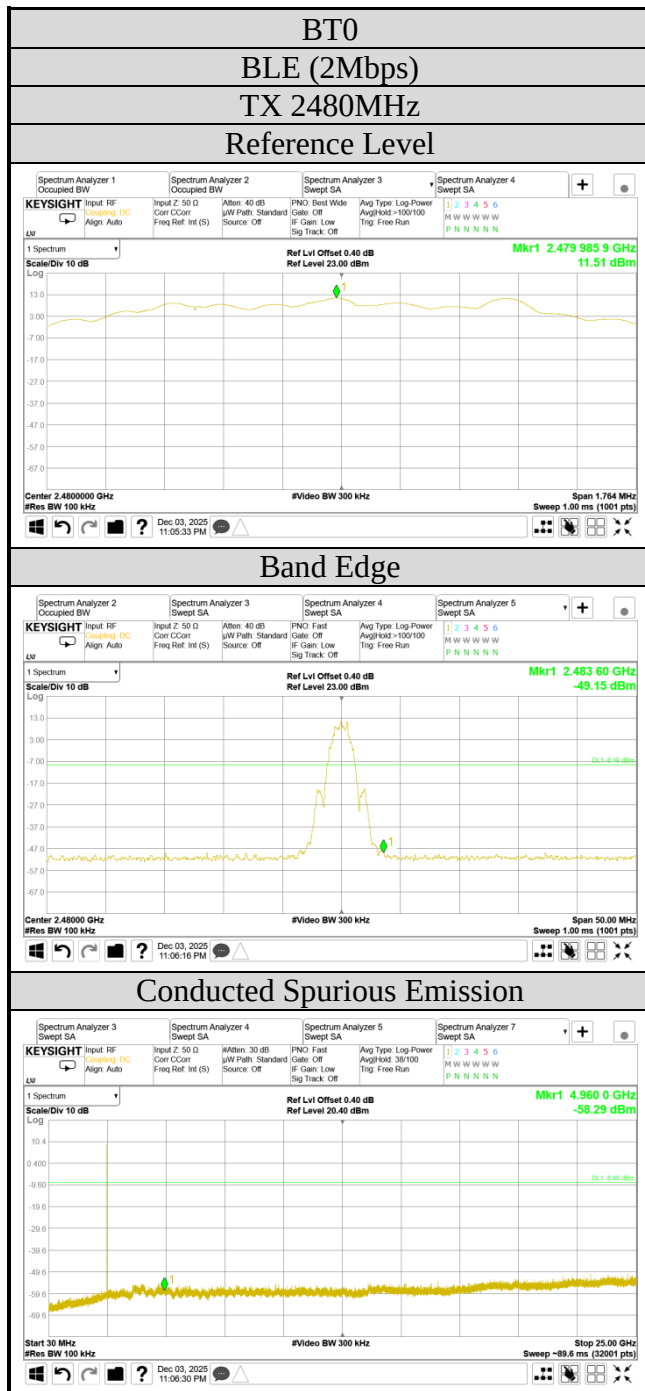
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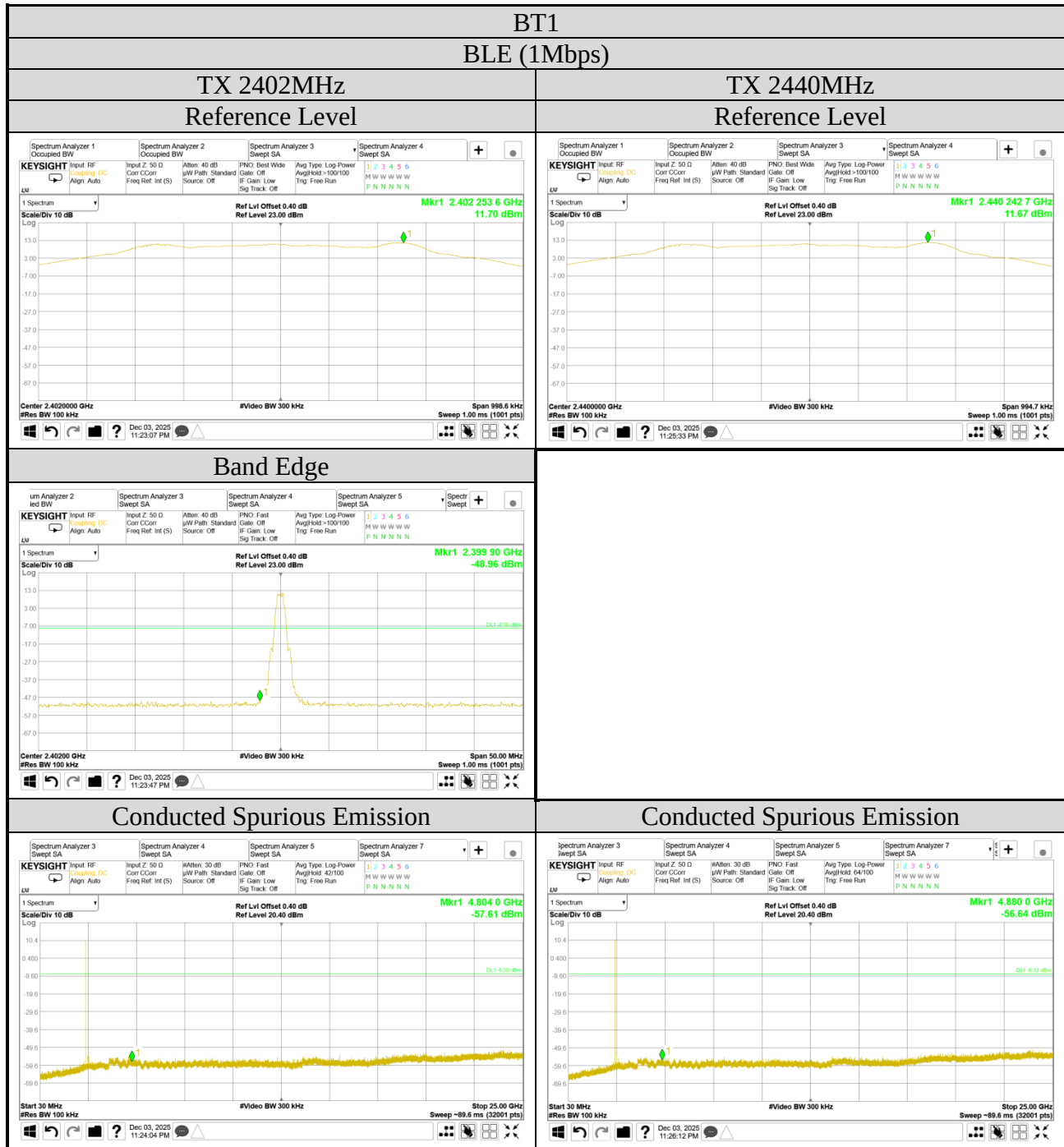
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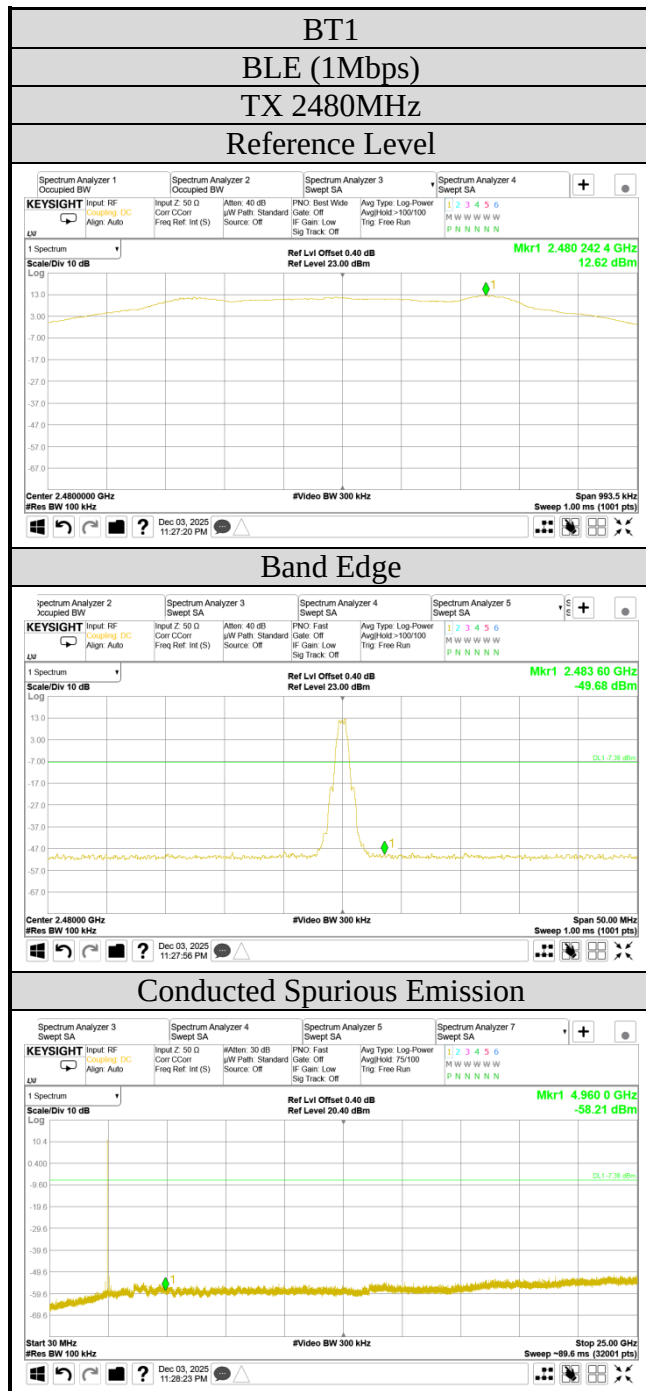
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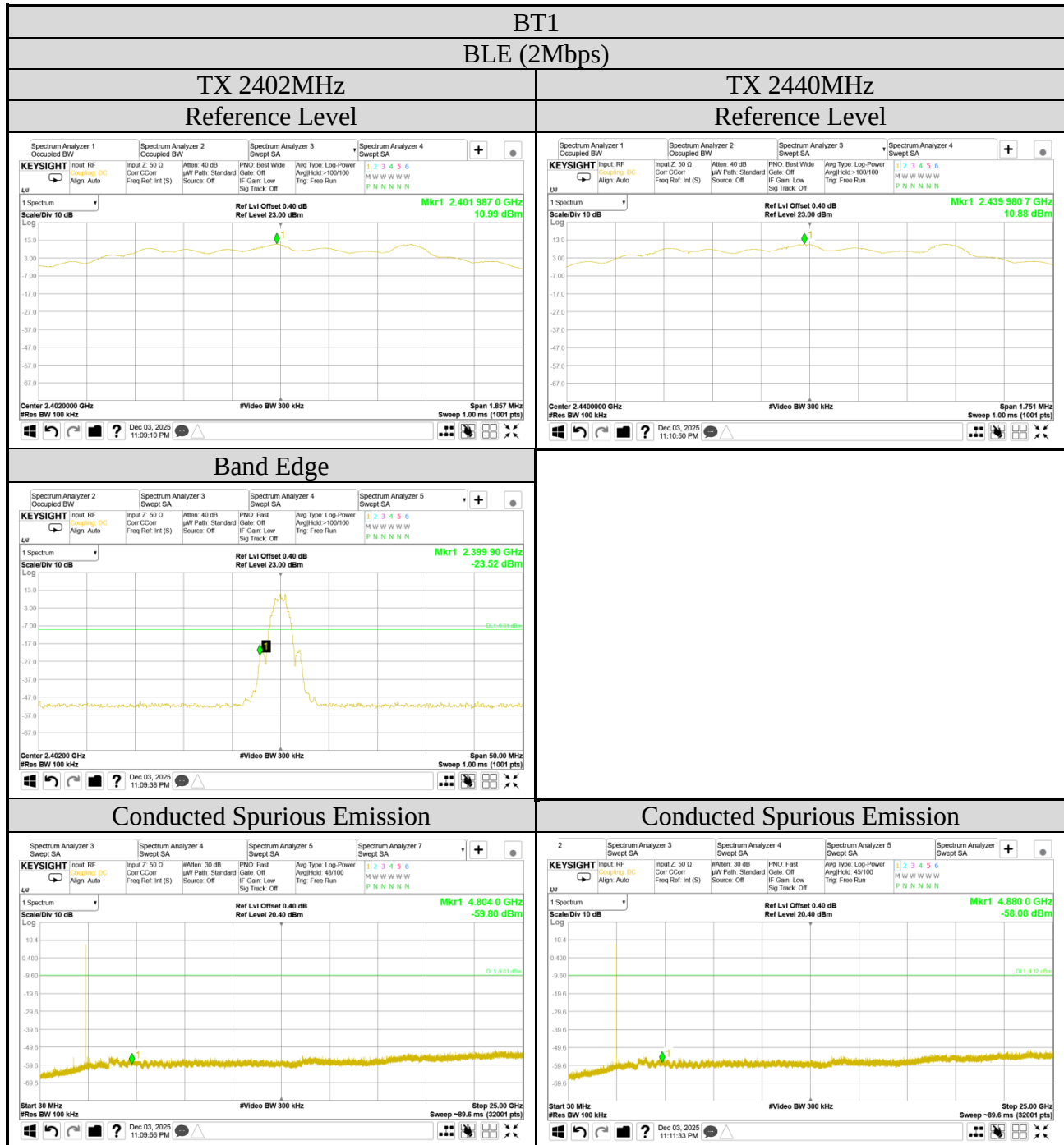
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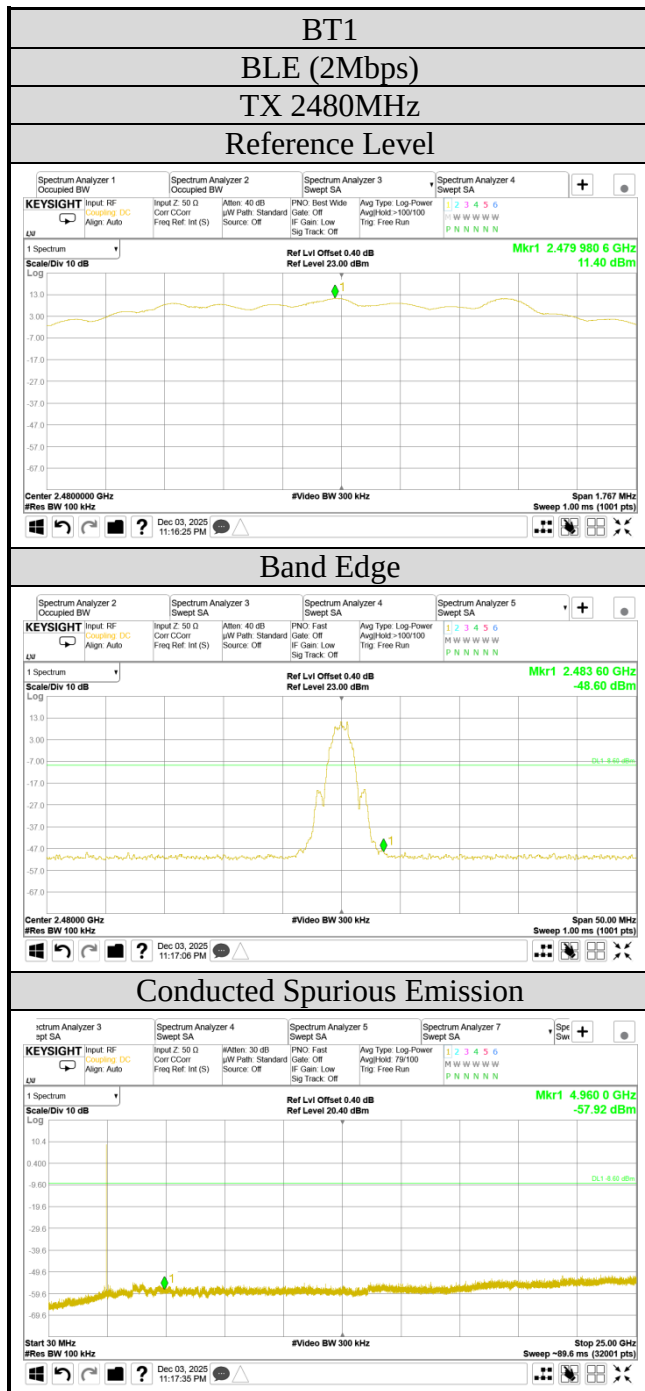
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A.6 POWER SPECTRAL DENSITY

Test Date	2025/11/02 ~ 12/04	Temp./Hum.	20~23°C/61~65%
Cable Loss	Wireless LAN: 2.20dB BLE: 0.4dB	Tested By	Sean Wang
Test Voltage	DC 5V (Through jig via Notebook PC)		

A.6.1 Power Spectral Density Result

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		MAX. Power Spectral Density (dBm) ^{Note 2}	Limit
		ANT0	ANT1		
802.11b	2412	-2.720	-0.310	-0.310	<8 dBm/3kHz
	2442	-3.820	-2.630	-2.630	
	2462	-4.090	-3.960	-3.960	
	2472	-4.720	-5.040	-4.720	
802.11g	2412	-8.970	-10.750	-8.970	
	2442	-10.740	-10.510	-10.510	
	2462	-11.110	-10.480	-10.480	
	2472	-11.090	-11.280	-11.090	

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
		ANT0	ANT1		
802.11n-HT20	2412	-10.770	-11.680	-8.191	<8 dBm/3kHz
	2442	-10.920	-11.590	-8.232	
	2462	-10.730	-11.680	-8.169	
	2472	-12.000	-12.440	-9.204	
802.11n-HT40	2422	-13.840	-12.790	-10.273	
	2442	-13.380	-12.560	-9.940	
	2452	-14.200	-13.110	-10.611	
	2462	-13.800	-13.330	-10.548	
802.11ax-HE20	2412	-10.350	-10.680	-7.502	
	2442	-10.670	-9.920	-7.269	
	2462	-10.650	-10.920	-7.773	
	2472	-10.280	-11.080	-7.651	
802.11ax-HE40	2422	-15.330	-13.050	-11.032	
	2442	-14.890	-15.730	-12.279	
	2452	-15.690	-15.440	-12.553	
	2462	-16.820	-15.780	-13.259	

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
			ANT0	ANT1		
802.11ax-HE20	2412	26/0	0.250	0.930	3.614	<8 dBm/3kHz
		52/37	-2.810	-2.970	0.121	
		106/53	-7.030	-4.950	-2.856	
	2472	26/8	-9.200	-10.010	-6.576	
		52/40	-13.160	-12.480	-9.796	
		106/54	-14.830	-14.210	-11.499	
802.11ax-HE40	2422	242/61	-10.070	-10.300	-7.173	<8 dBm/3kHz
	2462	242/62	-13.090	-12.090	-9.551	

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).

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

Mode	Center Frequency (MHz)	Power Spectral Density (dBm)		Limit
		BT0	BT1	
BLE (1Mbps)	2402	-4.72	-4.73	<8 dBm/3kHz
	2440	-4.30	-4.90	
	2480	-4.10	-3.92	

Mode	Center Frequency (MHz)	Power Spectral Density (dBm)		Limit
		BT0	BT1	
BLE (2Mbps)	2402	-6.77	-6.86	<8 dBm/3kHz
	2440	-6.35	-6.88	
	2480	-6.26	-6.26	

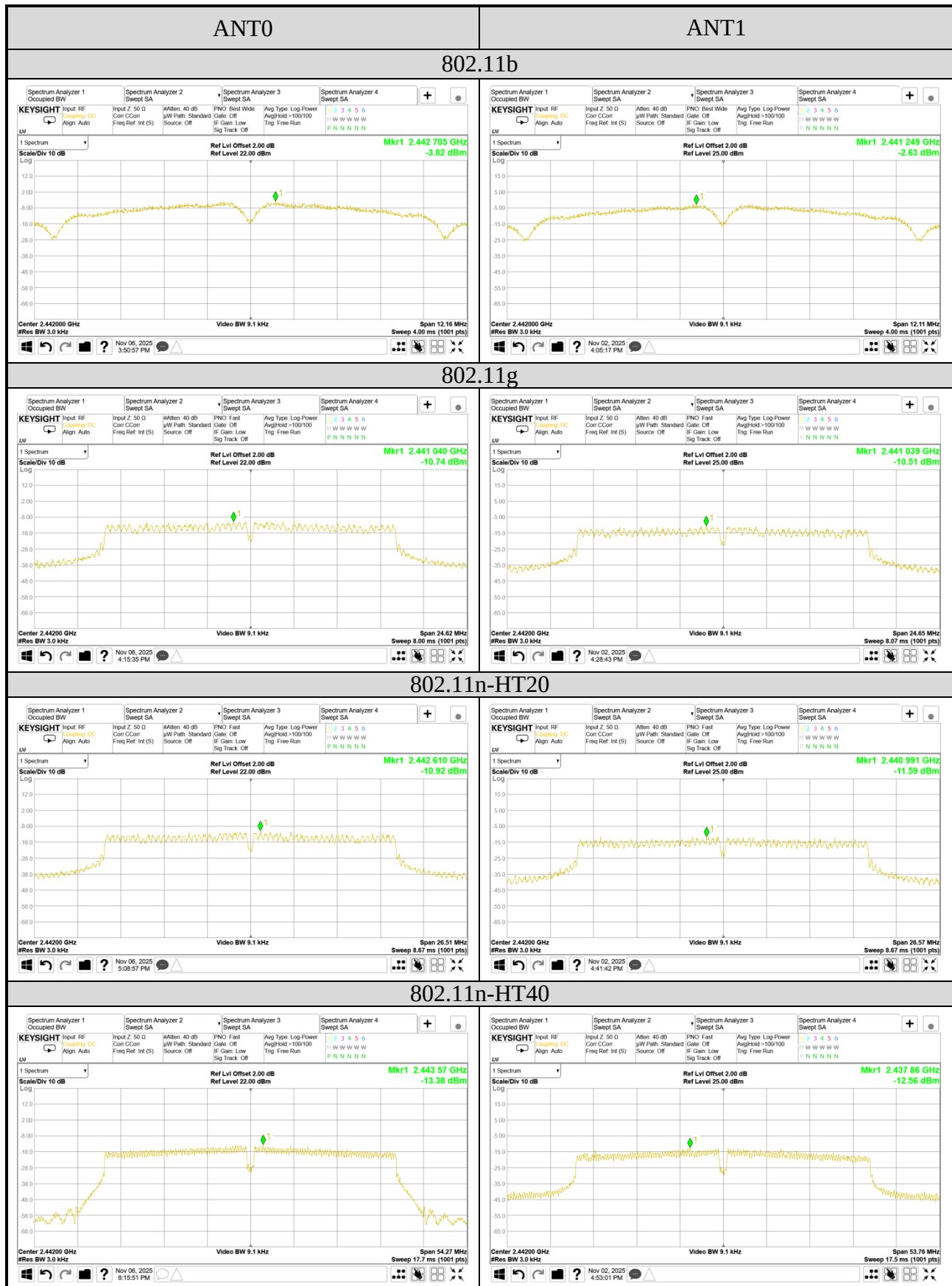
Note: 1. All results have been included cable loss.

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

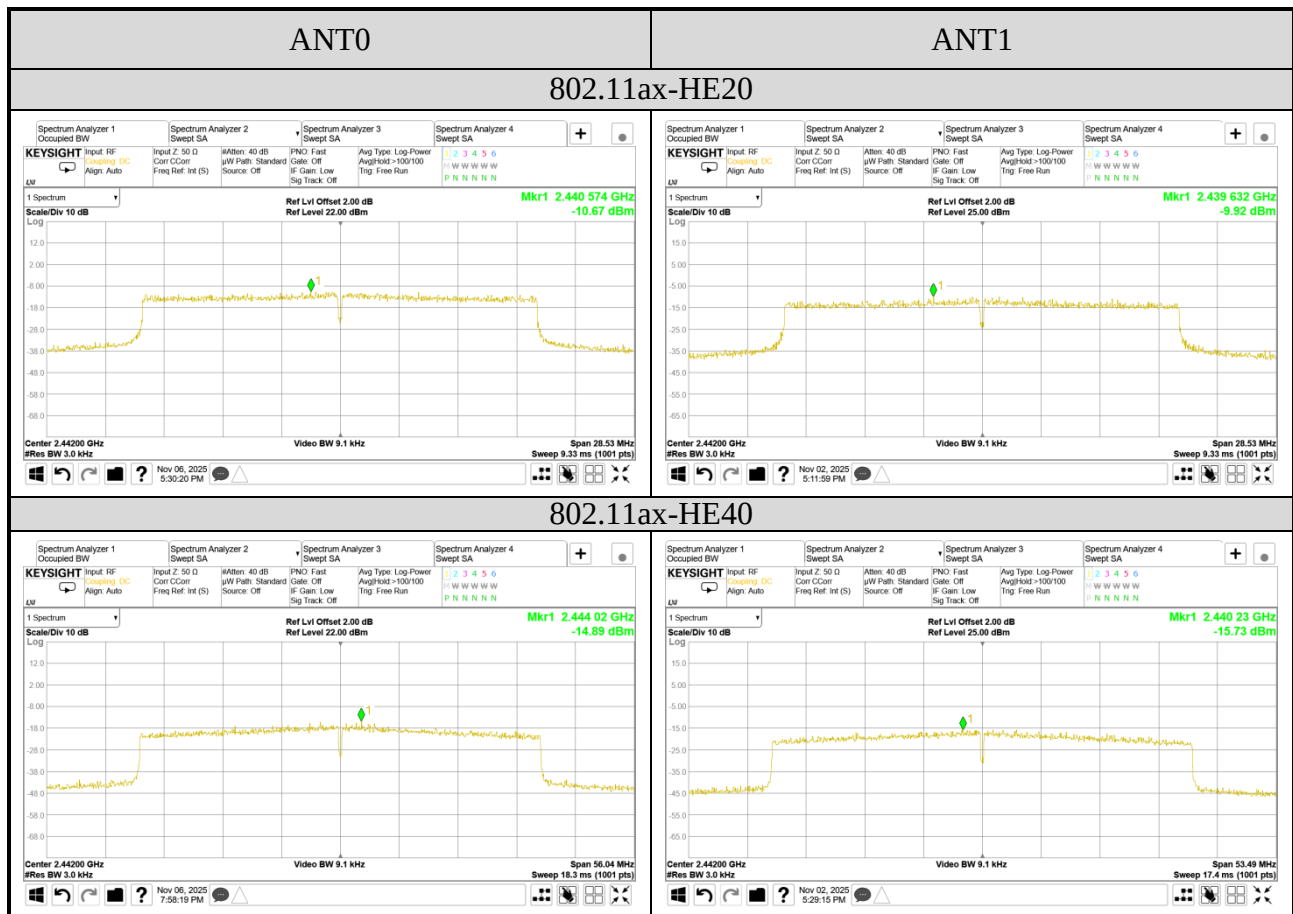
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A.6.2 Measurement Plots



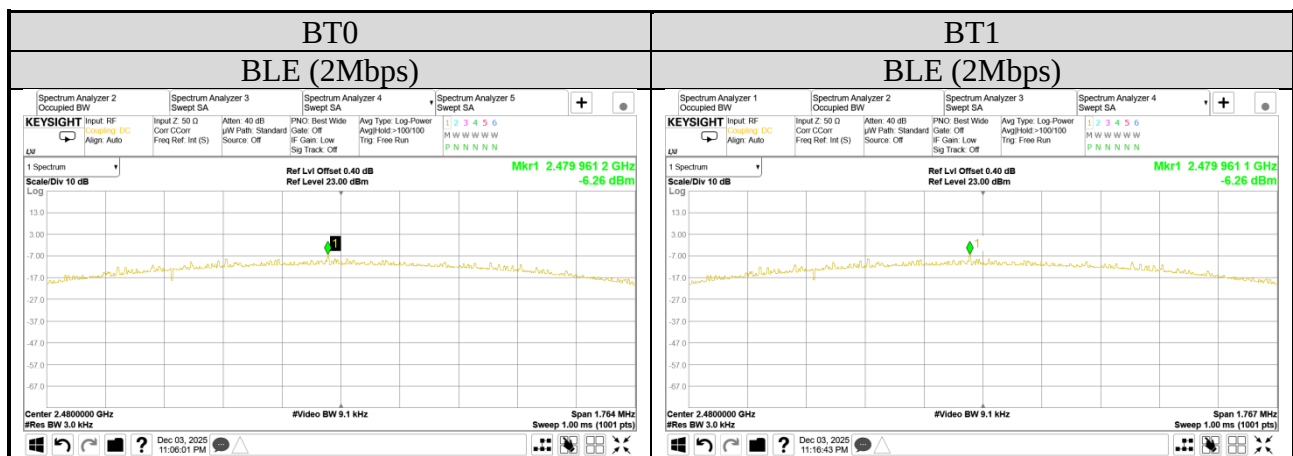
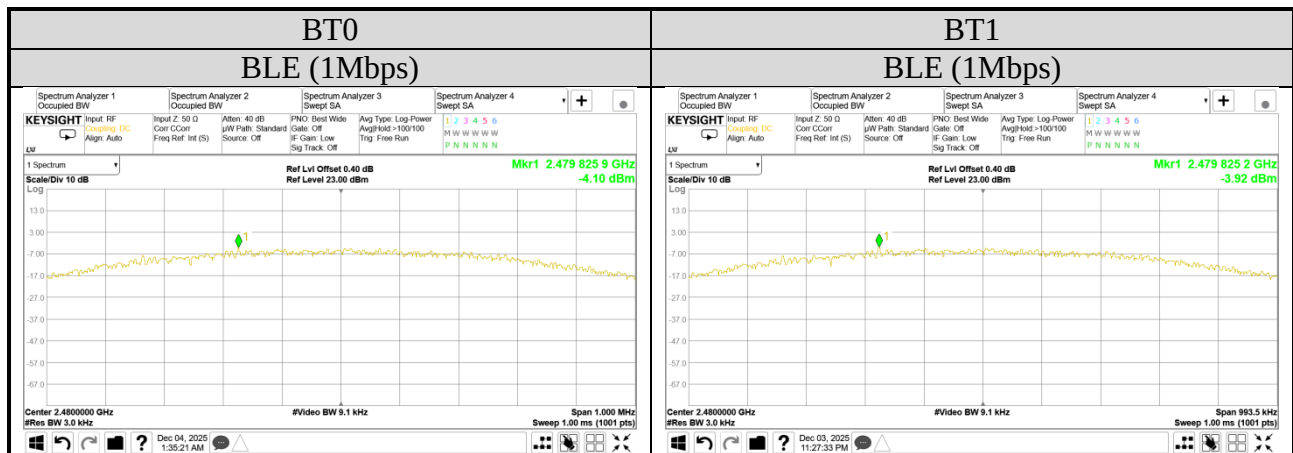
Note: All results have been included cable loss.



Note: All results have been included cable loss.

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Note: All results have been included cable loss.



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APPENDIX B

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APPENDIX B

TEST PHOTOGRAPHS

(Model: WCH941M)