

Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

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A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2024/11/25~12/03	Temp./Hum.	23°C/52~53%
Cable Loss	0.50dB	Tested By	Harry Huang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.4.1 Peak Output Power

● With INPAQ Antenna

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max Peak Output Power		Antenna Gain (dBi)		E.I.R.P. ^{Note 2}		Limit
		Aux	Main	(dBm)	(W)	Aux	Main	(dBm)	(W)	
802.11b	2412	19.35	19.79	19.79	0.095	2.50	2.10	21.89	0.155	<30dBm (Maximum Peak Output Power)
	2417	19.18	19.38	19.38	0.087	2.50	2.10	21.68	0.147	
	2422	19.96	19.99	19.99	0.100	2.50	2.10	22.46	0.176	
	2442	20.26	19.75	20.26	0.106	2.50	2.10	22.76	0.189	
	2467	19.81	19.73	19.81	0.096	2.50	2.10	22.31	0.170	
	2472	18.64	19.05	19.05	0.080	2.50	2.10	21.15	0.130	
802.11g	2412	22.89	22.35	22.89	0.195	2.50	2.10	25.39	0.346	<36dBm (E.I.R.P.)
	2417	22.98	22.16	22.98	0.199	2.50	2.10	25.48	0.353	
	2442	23.26	22.64	23.26	0.212	2.50	2.10	25.76	0.377	
	2462	23.14	22.12	23.14	0.206	2.50	2.10	25.64	0.366	
	2467	18.16	21.16	21.16	0.131	2.50	2.10	23.26	0.212	
	2472	24.19	24.64	24.64	0.291	2.50	2.10	26.74	0.472	

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

2. E.I.R.P.= The Max. of Peak Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

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Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power ^{Note 2}		Directional Gain ^{Note 2} (dBi)	E.I.R.P ^{Note 4}		Limit
		Aux	Main	(dBm)	(W)		(dBm)	(W)	
802.11n-HT20	2412	21.16	20.49	23.84	0.242	2.30	26.14	0.411	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	22.38	22.37	25.39	0.346	2.30	27.69	0.587	
	2442	23.38	22.43	25.94	0.393	2.30	28.24	0.667	
	2462	20.52	19.76	23.17	0.207	2.30	25.47	0.352	
	2467	18.21	17.14	20.72	0.118	2.30	23.02	0.200	
	2472	22.97	22.92	25.96	0.394	2.30	28.26	0.669	
802.11n-HT40	2422	20.15	19.86	23.02	0.200	2.30	25.32	0.340	
	2427	21.06	20.35	23.73	0.236	2.30	26.03	0.401	
	2432	22.57	22.07	25.34	0.342	2.30	27.64	0.580	
	2437	23.89	23.70	26.81	0.479	2.30	29.11	0.814	
	2442	22.45	22.43	25.45	0.351	2.30	27.75	0.596	
	2447	21.21	20.95	24.09	0.257	2.30	26.39	0.436	
	2452	20.35	20.49	23.43	0.220	2.30	25.73	0.374	
	2462	22.95	22.61	25.79	0.380	2.30	28.09	0.645	
802.11ax-HE20	2412	21.17	20.30	23.76	0.238	2.30	26.06	0.404	
	2417	21.88	22.31	25.11	0.324	2.30	27.41	0.551	
	2442	22.66	22.29	25.49	0.354	2.30	27.79	0.601	
	2462	20.73	20.96	23.86	0.243	2.30	26.16	0.413	
	2467	18.26	17.64	20.97	0.125	2.30	23.27	0.212	
	2472	22.94	22.27	25.63	0.365	2.30	27.93	0.621	
802.11ax-HE40	2422	20.51	20.29	23.41	0.219	2.30	25.71	0.373	
	2427	21.21	21.03	24.13	0.259	2.30	26.43	0.440	
	2432	22.63	22.54	25.60	0.363	2.30	27.90	0.616	
	2437	23.75	23.85	26.81	0.480	2.30	29.11	0.815	
	2442	22.78	21.87	25.36	0.343	2.30	27.66	0.583	
	2447	21.28	21.10	24.20	0.263	2.30	26.50	0.447	
	2452	20.94	20.72	23.84	0.242	2.30	26.14	0.411	
	2462	23.17	22.31	25.77	0.378	2.30	28.07	0.641	
802.11be-EHT20	2412	20.87	20.22	23.56	0.227	2.30	25.86	0.386	
	2417	22.14	22.45	25.31	0.339	2.30	27.61	0.577	
	2442	23.73	22.39	26.12	0.409	2.30	28.42	0.695	
	2462	21.43	20.84	24.16	0.260	2.30	26.46	0.442	
	2467	18.24	17.65	20.97	0.125	2.30	23.27	0.212	
	2472	23.05	22.22	25.67	0.369	2.30	27.97	0.626	
802.11be-EHT40	2422	20.48	20.23	23.37	0.217	2.30	25.67	0.369	
	2427	20.94	21.37	24.17	0.261	2.30	26.47	0.444	
	2432	22.25	22.35	25.31	0.340	2.30	27.61	0.577	
	2437	23.26	23.40	26.34	0.431	2.30	28.64	0.731	
	2442	22.56	22.18	25.38	0.345	2.30	27.68	0.587	
	2447	21.42	21.25	24.35	0.272	2.30	26.65	0.462	
	2452	21.30	20.53	23.94	0.248	2.30	26.24	0.421	
	2462	22.95	22.81	25.89	0.388	2.30	28.19	0.659	

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

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

Directional gain = $10 \log[(10^{2.5/10} + 10^{2.1/10})/2] = 2.30$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

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Mode	Centre Frequency (MHz)	RU Configuration	Peak Output Power (dBm)		Total Peak Output Power ^{Note 2}		Directional Gain ^{Note 2} (dBi)	E.I.R.P. ^{Note 4}		Limit
			Aux	Main	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	2412	26/0	23.11	22.28	25.73	0.374	2.30	28.03	0.635	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P.)
		52/37	22.96	22.05	25.54	0.358	2.30	27.84	0.608	
		106/53	22.68	22.08	25.40	0.347	2.30	27.70	0.589	
	2472	26/8	16.69	15.98	19.36	0.086	2.30	21.66	0.147	
		52/40	15.35	14.71	18.05	0.064	2.30	20.35	0.108	
		106/54	21.27	20.55	23.94	0.247	2.30	26.24	0.420	
802.11ax-HE40	2422	242/61	22.23	21.41	24.85	0.305	2.30	27.15	0.519	
	2462	242/62	24.19	24.41	27.31	0.538	2.30	29.61	0.914	
802.11be-EHT20	2412	26/0	22.94	22.35	25.67	0.369	2.30	27.97	0.626	
		52/37	22.01	22.11	25.07	0.321	2.30	27.37	0.546	
		106/53	22.61	21.84	25.25	0.335	2.30	27.55	0.569	
	2472	26/8	14.98	14.51	17.76	0.060	2.30	20.06	0.101	
		52/40	14.36	13.68	17.04	0.051	2.30	19.34	0.086	
		106/54	19.98	19.15	22.60	0.182	2.30	24.90	0.309	
802.11be-EHT4	2422	242/61	22.66	21.85	25.28	0.338	2.30	27.58	0.573	
	2462	242/62	24.02	23.28	26.68	0.465	2.30	28.98	0.790	

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

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

Directional gain = $10 \log[(10^{2.5/10} + 10^{2.1/10})/2] = 2.30$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	Max Peak Output Power		Antenna Gain (dBi)	E.I.R.P. ^{Note 2}		Limit
		(dBm)	(W)		(dBm)	(W)	
BLE (1Mbps)	2402	13.98	0.025	2.50	16.48	0.044	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P.)
	2440	14.14	0.026	2.50	16.64	0.046	
	2480	14.07	0.026	2.50	16.57	0.045	
BLE (2Mbps)	2402	14.01	0.025	2.50	16.51	0.045	
	2440	14.15	0.026	2.50	16.65	0.046	
	2480	14.18	0.026	2.50	16.68	0.047	
BLE (PHY Coded S2)	2402	12.83	0.019	2.50	15.33	0.034	
	2440	12.79	0.019	2.50	15.29	0.034	
	2480	12.82	0.019	2.50	15.32	0.034	
BLE (PHY Coded S8)	2402	12.74	0.019	2.50	15.24	0.033	
	2440	12.88	0.019	2.50	15.38	0.035	
	2480	12.83	0.019	2.50	15.33	0.034	

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

2. E.I.R.P.= The Peak Output Power (dBm)+ Antenna Gain (dBi).

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● **With LUXSHARE-ICT Antenna**

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max Peak Output Power		Antenna Gain (dBi)		E.I.R.P. ^{Note 2}		Limit
		Aux	Main	(dBm)	(W)	Aux	Main	(dBm)	(W)	
802.11b	2412	19.35	19.79	19.79	0.095	5.30	5.20	24.99	0.316	<30dBm (Maximum Peak Output Power)
	2417	19.18	19.38	19.38	0.087	5.30	5.20	24.58	0.287	
	2422	19.96	19.99	19.99	0.100	5.30	5.20	25.26	0.336	
	2442	20.26	19.75	20.26	0.106	5.30	5.20	25.56	0.360	
	2467	19.81	19.73	19.81	0.096	5.30	5.20	25.11	0.324	
	2472	18.64	19.05	19.05	0.080	5.30	5.20	24.25	0.266	
802.11g	2412	22.89	22.35	22.89	0.195	5.30	5.20	28.19	0.659	<36dBm (E.I.R.P.)
	2417	22.98	22.16	22.98	0.199	5.30	5.20	28.28	0.673	
	2442	23.26	22.64	23.26	0.212	5.30	5.20	28.56	0.718	
	2462	23.14	22.12	23.14	0.206	5.30	5.20	28.44	0.698	
	2467	18.16	21.16	21.16	0.131	5.30	5.20	26.36	0.433	
	2472	24.19	24.64	24.64	0.291	5.30	5.20	29.84	0.964	

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

2. E.I.R.P.= The Max. of Peak Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

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Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Total Peak Output Power ^{Note 2}		Directional Gain ^{Note 2} (dBi)	E.I.R.P ^{Note 4}		Limit
		Aux	Main	(dBm)	(W)		(dBm)	(W)	
802.11n-HT20	2412	21.16	20.49	23.84	0.242	5.25	29.09	0.812	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	22.38	22.37	25.39	0.346	5.25	30.64	1.158	
	2442	23.38	22.43	25.94	0.393	5.25	31.19	1.316	
	2462	20.52	19.76	23.17	0.207	5.25	28.42	0.695	
	2467	18.21	17.14	20.72	0.118	5.25	25.97	0.395	
	2472	22.97	22.92	25.96	0.394	5.25	31.21	1.320	
802.11n-HT40	2422	20.15	19.86	23.02	0.200	5.25	28.27	0.671	
	2427	21.06	20.35	23.73	0.236	5.25	28.98	0.791	
	2432	22.57	22.07	25.34	0.342	5.25	30.59	1.145	
	2437	23.89	23.70	26.81	0.479	5.25	32.06	1.606	
	2442	22.45	22.43	25.45	0.351	5.25	30.70	1.175	
	2447	21.21	20.95	24.09	0.257	5.25	29.34	0.859	
	2452	20.35	20.49	23.43	0.220	5.25	28.68	0.738	
	2462	22.95	22.61	25.79	0.380	5.25	31.04	1.272	
802.11ax-HE20	2412	21.17	20.30	23.76	0.238	5.25	29.01	0.797	
	2417	21.88	22.31	25.11	0.324	5.25	30.36	1.087	
	2442	22.66	22.29	25.49	0.354	5.25	30.74	1.186	
	2462	20.73	20.96	23.86	0.243	5.25	29.11	0.814	
	2467	18.26	17.64	20.97	0.125	5.25	26.22	0.419	
	2472	22.94	22.27	25.63	0.365	5.25	30.88	1.224	
802.11ax-HE40	2422	20.51	20.29	23.41	0.219	5.25	28.66	0.735	
	2427	21.21	21.03	24.13	0.259	5.25	29.38	0.867	
	2432	22.63	22.54	25.60	0.363	5.25	30.85	1.215	
	2437	23.75	23.85	26.81	0.480	5.25	32.06	1.607	
	2442	22.78	21.87	25.36	0.343	5.25	30.61	1.151	
	2447	21.28	21.10	24.20	0.263	5.25	29.45	0.881	
	2452	20.94	20.72	23.84	0.242	5.25	29.09	0.811	
	2462	23.17	22.31	25.77	0.378	5.25	31.02	1.265	
802.11be-EHT20	2412	20.87	20.22	23.56	0.227	5.25	28.81	0.761	
	2417	22.14	22.45	25.31	0.339	5.25	30.56	1.137	
	2442	23.73	22.39	26.12	0.409	5.25	31.37	1.371	
	2462	21.43	20.84	24.16	0.260	5.25	29.41	0.872	
	2467	18.24	17.65	20.97	0.125	5.25	26.22	0.418	
	2472	23.05	22.22	25.67	0.369	5.25	30.92	1.235	
802.11be-EHT40	2422	20.48	20.23	23.37	0.217	5.25	28.62	0.727	
	2427	20.94	21.37	24.17	0.261	5.25	29.42	0.875	
	2432	22.25	22.35	25.31	0.340	5.25	30.56	1.138	
	2437	23.26	23.40	26.34	0.431	5.25	31.59	1.442	
	2442	22.56	22.18	25.38	0.345	5.25	30.63	1.157	
	2447	21.42	21.25	24.35	0.272	5.25	29.60	0.911	
	2452	21.30	20.53	23.94	0.248	5.25	29.19	0.830	
	2462	22.95	22.81	25.89	0.388	5.25	31.14	1.300	

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

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

Directional gain = $10 \log[(10^{5.2/10} + 10^{5.3/10})/2] = 5.25$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

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			Aux	Main	(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	2412	26/0	23.11	22.28	25.73	0.374	5.25	30.98	1.252	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P.)
		52/37	22.96	22.05	25.54	0.358	5.25	30.79	1.199	
		106/53	22.68	22.08	25.40	0.347	5.25	30.65	1.162	
	2472	26/8	16.69	15.98	19.36	0.086	5.25	24.61	0.289	
		52/40	15.35	14.71	18.05	0.064	5.25	23.30	0.214	
		106/54	21.27	20.55	23.94	0.247	5.25	29.19	0.829	
802.11ax-HE40	2422	242/61	22.23	21.41	24.85	0.305	5.25	30.10	1.023	
	2462	242/62	24.19	24.41	27.31	0.538	5.25	32.56	1.804	
802.11be-EHT20	2412	26/0	22.94	22.35	25.67	0.369	5.25	30.92	1.235	
		52/37	22.01	22.11	25.07	0.321	5.25	30.32	1.077	
		106/53	22.61	21.84	25.25	0.335	5.25	30.50	1.123	
	2472	26/8	14.98	14.51	17.76	0.060	5.25	23.01	0.200	
		52/40	14.36	13.68	17.04	0.051	5.25	22.29	0.170	
		106/54	19.98	19.15	22.60	0.182	5.25	27.85	0.609	
802.11be-EHT4	2422	242/61	22.66	21.85	25.28	0.338	5.25	30.53	1.131	
	2462	242/62	24.02	23.28	26.68	0.465	5.25	31.93	1.558	

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

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

Directional gain = $10 \log[(10^{5.2/10} + 10^{5.3/10})/2] = 5.25$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

Mode	Centre Frequency (MHz)	Max Peak Output Power		Antenna Gain (dBi)	E.I.R.P. ^{Note 2}		Limit
		(dBm)	(W)		(dBm)	(W)	
BLE (1Mbps)	2402	13.98	0.025	5.30	19.28	0.085	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P.)
	2440	14.14	0.026	5.30	19.44	0.088	
	2480	14.07	0.026	5.30	19.37	0.086	
BLE (2Mbps)	2402	14.01	0.025	5.30	19.31	0.085	
	2440	14.15	0.026	5.30	19.45	0.088	
	2480	14.18	0.026	5.30	19.48	0.089	
BLE (PHY Coded S2)	2402	12.83	0.019	5.30	18.13	0.065	
	2440	12.79	0.019	5.30	18.09	0.064	
	2480	12.82	0.019	5.30	18.12	0.065	
BLE (PHY Coded S8)	2402	12.74	0.019	5.30	18.04	0.064	
	2440	12.88	0.019	5.30	18.18	0.066	
	2480	12.83	0.019	5.30	18.13	0.065	

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

2. E.I.R.P.= The Peak Output Power (dBm)+ Antenna Gain (dBi).

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A.4.2 Average Output Power (Reporting only)

● With INPAQ Antenna

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Max Average Output Power		Antenna Gain (dBi)		E.I.R.P. ^{Note 2}		Limit
		Aux	Main		(dBm)	(W)	Aux	Main	(dBm)	(W)	
802.11b	2412	17.11	16.72	N/A	17.11	0.051	2.50	2.10	19.61	0.091	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P.)
	2417	17.07	16.50	N/A	17.07	0.051	2.50	2.10	19.57	0.091	
	2422	17.64	16.71	N/A	17.64	0.058	2.50	2.10	20.14	0.103	
	2442	17.80	17.49	N/A	17.80	0.060	2.50	2.10	20.30	0.107	
	2467	17.11	17.02	N/A	17.11	0.051	2.50	2.10	19.61	0.091	
	2472	16.13	16.52	N/A	16.52	0.045	2.50	2.10	18.63	0.073	
802.11g	2412	17.63	17.51	N/A	17.63	0.058	2.50	2.10	20.13	0.103	
	2417	17.37	17.35	N/A	17.37	0.055	2.50	2.10	19.87	0.097	
	2442	17.74	16.76	N/A	17.74	0.059	2.50	2.10	20.24	0.106	
	2462	17.59	17.34	N/A	17.59	0.057	2.50	2.10	20.09	0.102	
	2467	12.96	14.86	N/A	14.86	0.031	2.50	2.10	16.96	0.050	
	2472	13.26	13.43	N/A	13.43	0.022	2.50	2.10	15.76	0.038	

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

2. E.I.R.P.= The Max. of Peak Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

3. Max Average Output Power (dBm) = Max of each average output power (dBm)+ Duty Cycle Factor (dB) when duty cycle is less than 98%.

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Mode	Centre Frequency (MHz)	Average Output Power(dBm)		Duty cycle factor (dB) 10 log (1/x)	TotalAverage Output Power ^{Note 2}		Directional Gain ^{Note 2} (dBi)	E.I.R.P ^{Note 4}		Limit
		Aux	Main		(dBm)	(W)		(dBm)	(W)	
802.11n-HT20	2412	15.88	15.38	N/A	18.64	0.073	2.30	20.94	0.124	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.05	17.20	N/A	20.14	0.103	2.30	22.44	0.175	
	2442	17.67	17.54	N/A	20.62	0.115	2.30	22.92	0.196	
	2462	15.37	14.63	N/A	18.03	0.063	2.30	20.33	0.108	
	2467	13.27	12.31	N/A	15.83	0.038	2.30	18.13	0.065	
	2472	12.07	11.46	N/A	14.79	0.030	2.30	17.09	0.051	
802.11n-HT40	2422	13.74	12.57	N/A	16.20	0.042	2.30	18.50	0.071	
	2427	14.13	13.83	N/A	16.99	0.050	2.30	19.29	0.085	
	2432	15.83	15.50	N/A	18.67	0.074	2.30	20.97	0.125	
	2437	17.06	16.97	N/A	20.03	0.101	2.30	22.33	0.171	
	2442	15.78	15.37	N/A	18.59	0.072	2.30	20.89	0.123	
	2447	14.70	14.46	N/A	17.59	0.057	2.30	19.89	0.098	
	2452	14.32	13.87	N/A	17.11	0.051	2.30	19.41	0.087	
802.11ax-HE20	2462	12.48	11.59	N/A	15.07	0.032	2.30	17.37	0.055	
	2412	15.98	15.08	N/A	18.56	0.072	2.30	20.86	0.122	
	2417	16.98	17.46	N/A	20.24	0.106	2.30	22.54	0.179	
	2442	17.45	16.83	N/A	20.16	0.104	2.30	22.46	0.176	
	2462	15.56	15.33	N/A	18.46	0.070	2.30	20.76	0.119	
	2467	13.29	12.38	N/A	15.87	0.039	2.30	18.17	0.066	
802.11ax-HE40	2472	11.96	11.15	N/A	14.58	0.029	2.30	16.88	0.049	
	2422	14.59	13.81	N/A	17.23	0.053	2.30	19.53	0.090	
	2427	14.91	14.84	N/A	17.88	0.061	2.30	20.18	0.104	
	2432	15.59	15.80	N/A	18.70	0.074	2.30	21.00	0.126	
	2437	17.10	16.76	N/A	19.94	0.099	2.30	22.24	0.168	
	2442	15.26	15.50	N/A	18.39	0.069	2.30	20.69	0.117	
	2447	14.49	14.77	N/A	17.64	0.058	2.30	19.94	0.099	
802.11be-EHT20	2452	14.21	14.23	N/A	17.23	0.053	2.30	19.53	0.090	
	2462	12.29	11.60	N/A	14.97	0.031	2.30	17.27	0.053	
	2412	15.59	14.50	N/A	18.08	0.064	2.30	20.38	0.109	
	2417	16.95	17.32	N/A	20.15	0.103	2.30	22.45	0.176	
	2442	17.52	17.14	N/A	20.34	0.108	2.30	22.64	0.184	
	2462	15.93	15.74	N/A	18.85	0.077	2.30	21.15	0.130	
802.11be-EHT40	2467	13.26	12.23	N/A	15.79	0.038	2.30	18.09	0.064	
	2472	12.07	11.18	N/A	14.66	0.029	2.30	16.96	0.050	
	2422	13.55	13.21	N/A	16.39	0.044	2.30	18.69	0.074	
	2427	13.92	14.01	N/A	16.97	0.050	2.30	19.27	0.085	
	2432	15.18	15.36	N/A	18.28	0.067	2.30	20.58	0.114	
	2437	16.59	16.54	N/A	19.58	0.091	2.30	21.88	0.154	
	2442	15.19	15.66	N/A	18.44	0.070	2.30	20.74	0.119	
	2447	14.41	14.30	N/A	17.37	0.055	2.30	19.67	0.093	
802.11be-EHT40	2452	13.68	13.78	N/A	16.74	0.047	2.30	19.04	0.080	
	2462	12.68	11.69	N/A	15.22	0.033	2.30	17.52	0.057	

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

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

Directional gain = $10 \log[(10^{2.5/10} + 10^{2.1/10})/2] = 2.30$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

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Mode	Centre Frequency (MHz)	RU Configuration	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Total Average Output Power ^{Note 2}		Directional Gain ^{Note 2} (dBi)	E.I.R.P ^{Note 4}		Limit
			Aux	Main		(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	2412	26/0	17.38	17.56	N/A	20.48	0.112	2.30	22.78	0.190	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	17.54	17.25	N/A	20.41	0.110	2.30	22.71	0.187	
		106/53	17.49	17.37	N/A	20.44	0.111	2.30	22.74	0.188	
	2472	26/8	3.04	2.53	N/A	5.80	0.004	2.30	8.10	0.006	
		52/40	1.91	1.08	N/A	4.53	0.003	2.30	6.83	0.005	
		106/54	8.39	8.13	N/A	11.27	0.013	2.30	13.57	0.023	
802.11ax-HE40	2422	242/61	17.14	16.66	N/A	19.92	0.098	2.30	22.22	0.167	
	2462	242/62	12.03	11.58	N/A	14.82	0.030	2.30	17.12	0.052	
802.11be-EHT20	2412	26/0	17.65	17.63	N/A	20.65	0.116	2.30	22.95	0.197	
		52/37	17.79	17.22	N/A	20.52	0.113	2.30	22.82	0.192	
		106/53	17.61	17.76	N/A	20.70	0.117	2.30	23.00	0.199	
	2472	26/8	2.41	1.84	N/A	5.14	0.003	2.30	7.44	0.006	
		52/40	2.36	1.50	N/A	4.96	0.003	2.30	7.26	0.005	
		106/54	8.04	7.46	N/A	10.77	0.012	2.30	13.07	0.020	
802.11be-EHT4	2422	242/61	17.45	16.87	N/A	20.18	0.104	2.30	22.48	0.177	
	2462	242/62	12.12	11.51	N/A	14.84	0.030	2.30	17.14	0.052	

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

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

Directional gain = $10 \log[(10^{2.5/10} + 10^{2.1/10})/2] = 2.30$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

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● **With LUXSHARE-ICT Antenna**

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/%)	Max Average Output Power		Antenna Gain (dBi)		E.I.R.P. ^{Note 2}		Limit
		Aux	Main		(dBm)	(W)	Aux	Main	(dBm)	(W)	
802.11b	2412	17.11	16.72	N/A	17.11	0.051	5.30	5.20	22.41	0.174	<30dBm (Maximum Peak Output Power)
	2417	17.07	16.50	N/A	17.07	0.051	5.30	5.20	22.37	0.173	
	2422	17.64	16.71	N/A	17.64	0.058	5.30	5.20	22.94	0.197	
	2442	17.80	17.49	N/A	17.80	0.060	5.30	5.20	23.10	0.204	
	2467	17.11	17.02	N/A	17.11	0.051	5.30	5.20	22.41	0.174	
	2472	16.13	16.52	N/A	16.52	0.045	5.30	5.20	21.72	0.149	
802.11g	2412	17.63	17.51	N/A	17.63	0.058	5.30	5.20	22.93	0.196	<36dBm (E.I.R.P.)
	2417	17.37	17.35	N/A	17.37	0.055	5.30	5.20	22.67	0.185	
	2442	17.74	16.76	N/A	17.74	0.059	5.30	5.20	23.04	0.201	
	2462	17.59	17.34	N/A	17.59	0.057	5.30	5.20	22.89	0.195	
	2467	12.96	14.86	N/A	14.86	0.031	5.30	5.20	20.06	0.101	
	2472	13.26	13.43	N/A	13.43	0.022	5.30	5.20	18.63	0.073	

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

2. E.I.R.P.= The Max. of Peak Output Power (AUX or Main)(dBm)+ Antenna Gain (dBi).

3. Max Average Output Power (dBm) = Max of each average output power (dBm)+ Duty Cycle Factor (dB) when duty cycle is less than 98%.

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Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10 log (1/α)	Total Average Output Power ^{Note 2}		Directional Gain ^{Note 2} (dBi)	E.I.R.P ^{Note 4}		Limit
		Aux	Main		(dBm)	(W)		(dBm)	(W)	
802.11n-HT20	2412	15.88	15.38	N/A	18.64	0.073	5.25	23.89	0.245	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.05	17.20	N/A	20.14	0.103	5.25	25.39	0.346	
	2442	17.67	17.54	N/A	20.62	0.115	5.25	25.87	0.386	
	2462	15.37	14.63	N/A	18.03	0.063	5.25	23.28	0.213	
	2467	13.27	12.31	N/A	15.83	0.038	5.25	21.08	0.128	
	2472	12.07	11.46	N/A	14.79	0.030	5.25	20.04	0.101	
802.11n-HT40	2422	13.74	12.57	N/A	16.20	0.042	5.25	21.45	0.140	
	2427	14.13	13.83	N/A	16.99	0.050	5.25	22.24	0.167	
	2432	15.83	15.50	N/A	18.67	0.074	5.25	23.92	0.247	
	2437	17.06	16.97	N/A	20.03	0.101	5.25	25.28	0.337	
	2442	15.78	15.37	N/A	18.59	0.072	5.25	23.84	0.242	
	2447	14.70	14.46	N/A	17.59	0.057	5.25	22.84	0.192	
	2452	14.32	13.87	N/A	17.11	0.051	5.25	22.36	0.172	
802.11ax-HE20	2462	12.48	11.59	N/A	15.07	0.032	5.25	20.32	0.108	
	2412	15.98	15.08	N/A	18.56	0.072	5.25	23.81	0.240	
	2417	16.98	17.46	N/A	20.24	0.106	5.25	25.49	0.354	
	2442	17.45	16.83	N/A	20.16	0.104	5.25	25.41	0.348	
	2462	15.56	15.33	N/A	18.46	0.070	5.25	23.71	0.235	
	2467	13.29	12.38	N/A	15.87	0.039	5.25	21.12	0.129	
802.11ax-HE40	2472	11.96	11.15	N/A	14.58	0.029	5.25	19.83	0.096	
	2422	14.59	13.81	N/A	17.23	0.053	5.25	22.48	0.177	
	2427	14.91	14.84	N/A	17.88	0.061	5.25	23.13	0.206	
	2432	15.59	15.80	N/A	18.70	0.074	5.25	23.95	0.248	
	2437	17.10	16.76	N/A	19.94	0.099	5.25	25.19	0.331	
	2442	15.26	15.50	N/A	18.39	0.069	5.25	23.64	0.231	
	2447	14.49	14.77	N/A	17.64	0.058	5.25	22.89	0.195	
	2452	14.21	14.23	N/A	17.23	0.053	5.25	22.48	0.177	
802.11be-EHT20	2462	12.29	11.60	N/A	14.97	0.031	5.25	20.22	0.105	
	2412	15.59	14.50	N/A	18.08	0.064	5.25	23.33	0.215	
	2417	16.95	17.32	N/A	20.15	0.103	5.25	25.40	0.347	
	2442	17.52	17.14	N/A	20.34	0.108	5.25	25.59	0.363	
	2462	15.93	15.74	N/A	18.85	0.077	5.25	24.10	0.257	
	2467	13.26	12.23	N/A	15.79	0.038	5.25	21.04	0.127	
802.11be-EHT40	2472	12.07	11.18	N/A	14.66	0.029	5.25	19.91	0.098	
	2422	13.55	13.21	N/A	16.39	0.044	5.25	21.64	0.146	
	2427	13.92	14.01	N/A	16.97	0.050	5.25	22.22	0.167	
	2432	15.18	15.36	N/A	18.28	0.067	5.25	23.53	0.225	
	2437	16.59	16.54	N/A	19.58	0.091	5.25	24.83	0.304	
	2442	15.19	15.66	N/A	18.44	0.070	5.25	23.69	0.234	
	2447	14.41	14.30	N/A	17.37	0.055	5.25	22.62	0.183	
	2452	13.68	13.78	N/A	16.74	0.047	5.25	21.99	0.158	
802.11be-EHT40	2462	12.68	11.69	N/A	15.22	0.033	5.25	20.47	0.112	

Note: 1.

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

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

Directional gain = $10 \log[(10^{5.3/10} + 10^{5.2/10})/2] = 5.25$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

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			Aux	Main		(dBm)	(W)		(dBm)	(W)	
802.11ax-HE20	2412	26/0	17.38	17.56	N/A	20.48	0.112	5.25	25.73	0.374	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	17.54	17.25	N/A	20.41	0.110	5.25	25.66	0.368	
		106/53	17.49	17.37	N/A	20.44	0.111	5.25	25.69	0.371	
	2472	26/8	3.04	2.53	N/A	5.80	0.004	5.25	11.05	0.013	
		52/40	1.91	1.08	N/A	4.53	0.003	5.25	9.78	0.009	
		106/54	8.39	8.13	N/A	11.27	0.013	5.25	16.52	0.045	
802.11ax-HE40	2422	242/61	17.14	16.66	N/A	19.92	0.098	5.25	25.17	0.329	
	2462	242/62	12.03	11.58	N/A	14.82	0.030	5.25	20.07	0.102	
802.11be-EHT20	2412	26/0	17.65	17.63	N/A	20.65	0.116	5.25	25.90	0.389	
		52/37	17.79	17.22	N/A	20.52	0.113	5.25	25.77	0.378	
		106/53	17.61	17.76	N/A	20.70	0.117	5.25	25.95	0.393	
	2472	26/8	2.41	1.84	N/A	5.14	0.003	5.25	10.39	0.011	
		52/40	2.36	1.50	N/A	4.96	0.003	5.25	10.21	0.010	
		106/54	8.04	7.46	N/A	10.77	0.012	5.25	16.02	0.040	
802.11be-EHT4	2422	242/61	17.45	16.87	N/A	20.18	0.104	5.25	25.43	0.349	
	2462	242/62	12.12	11.51	N/A	14.84	0.030	5.25	20.09	0.102	

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

2. According to KDB 662911 D01 E)1), Total peak power = sum to individual output power

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

Directional gain = $10 \log[(10^{5.2/10} + 10^{5.3/10})/2] = 5.25$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

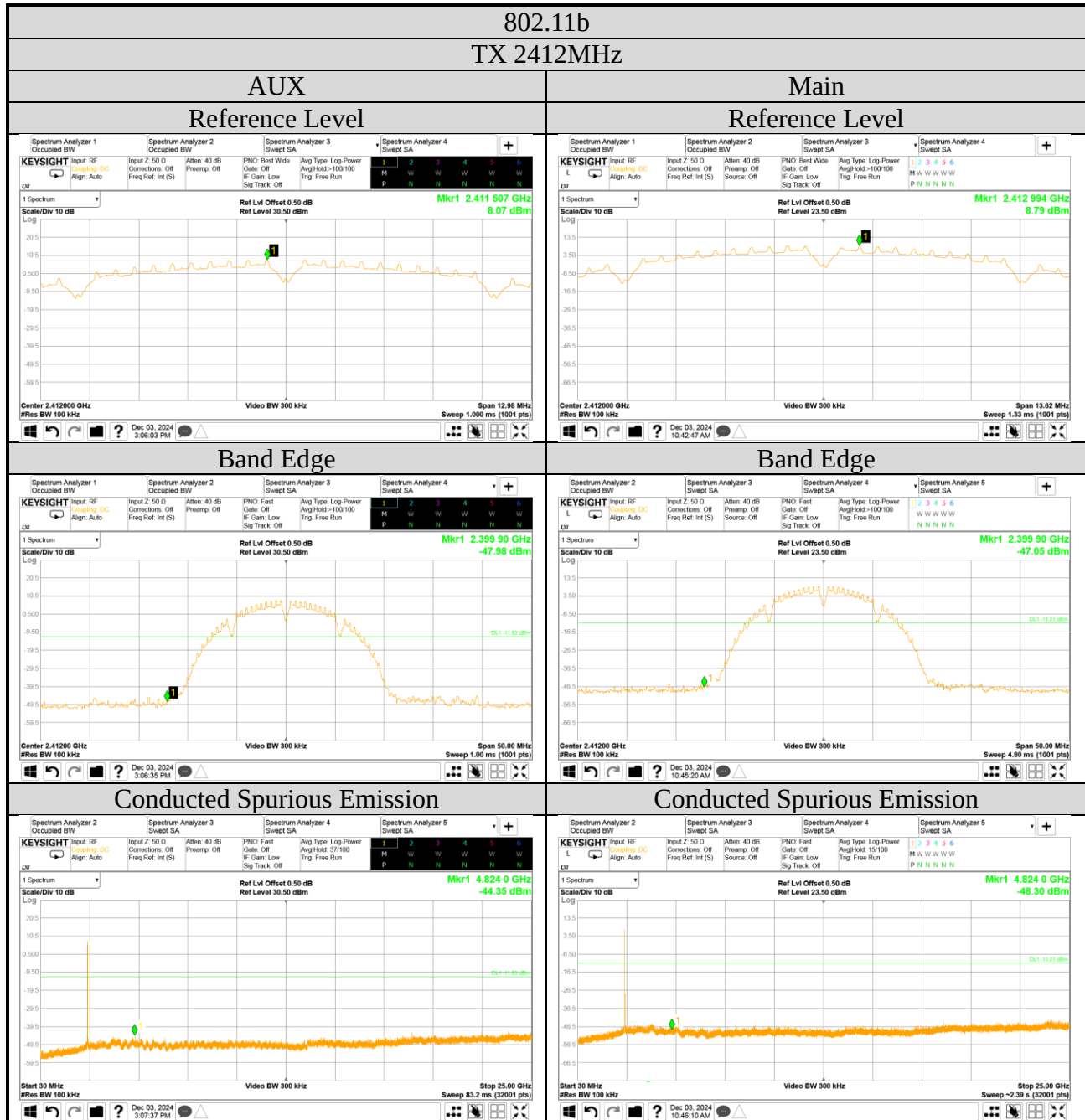
4. E.I.R.P.= The Total Peak Output Power (dBm)+ Directional Gain (dBi).

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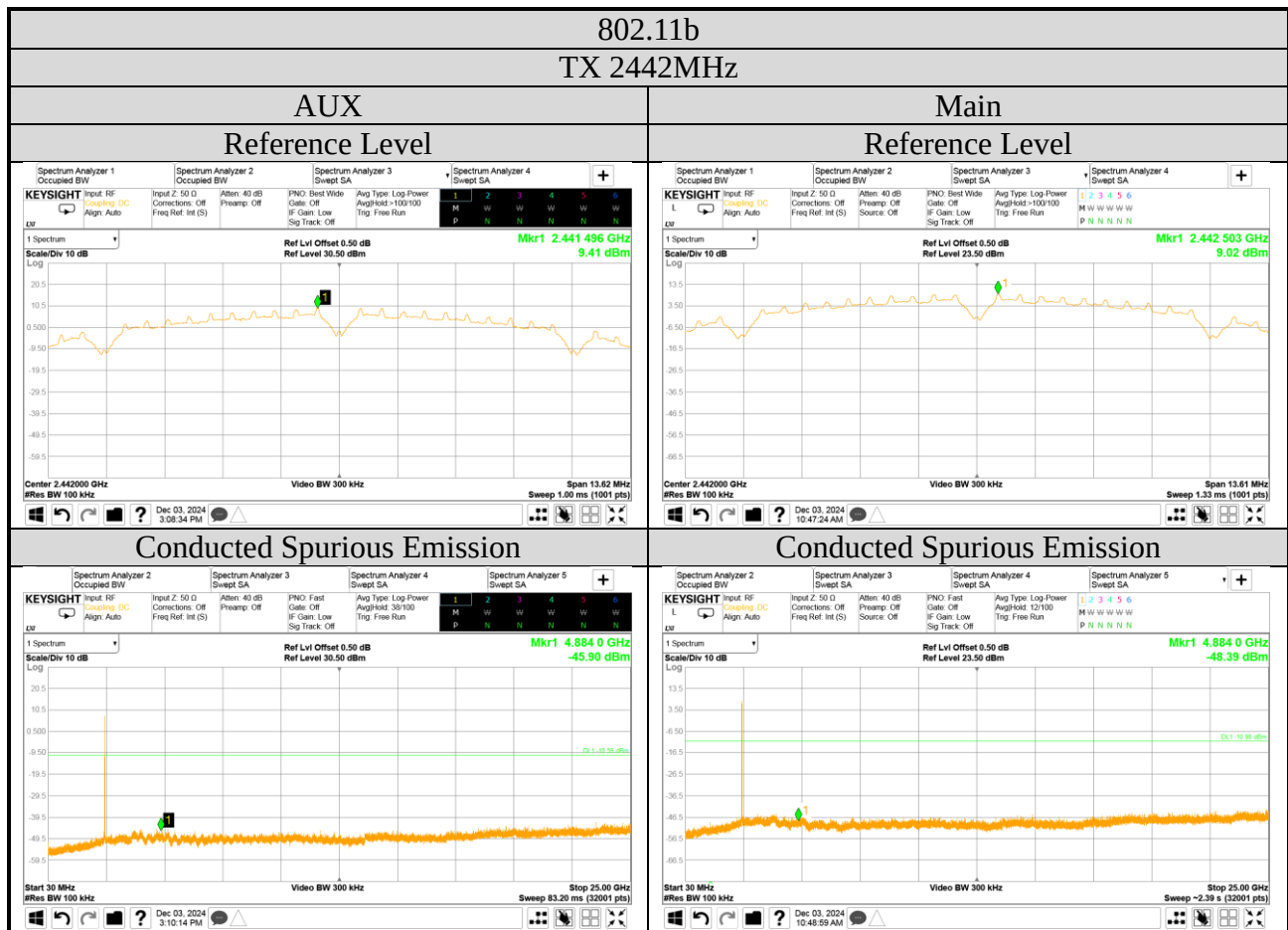
A.5 EMISSION LIMITATIONS

Test Date	2024/11/25~12/03	Temp./Hum.	23°C/52~53%
Cable Loss	0.50dB	Tested By	Harry Huang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		



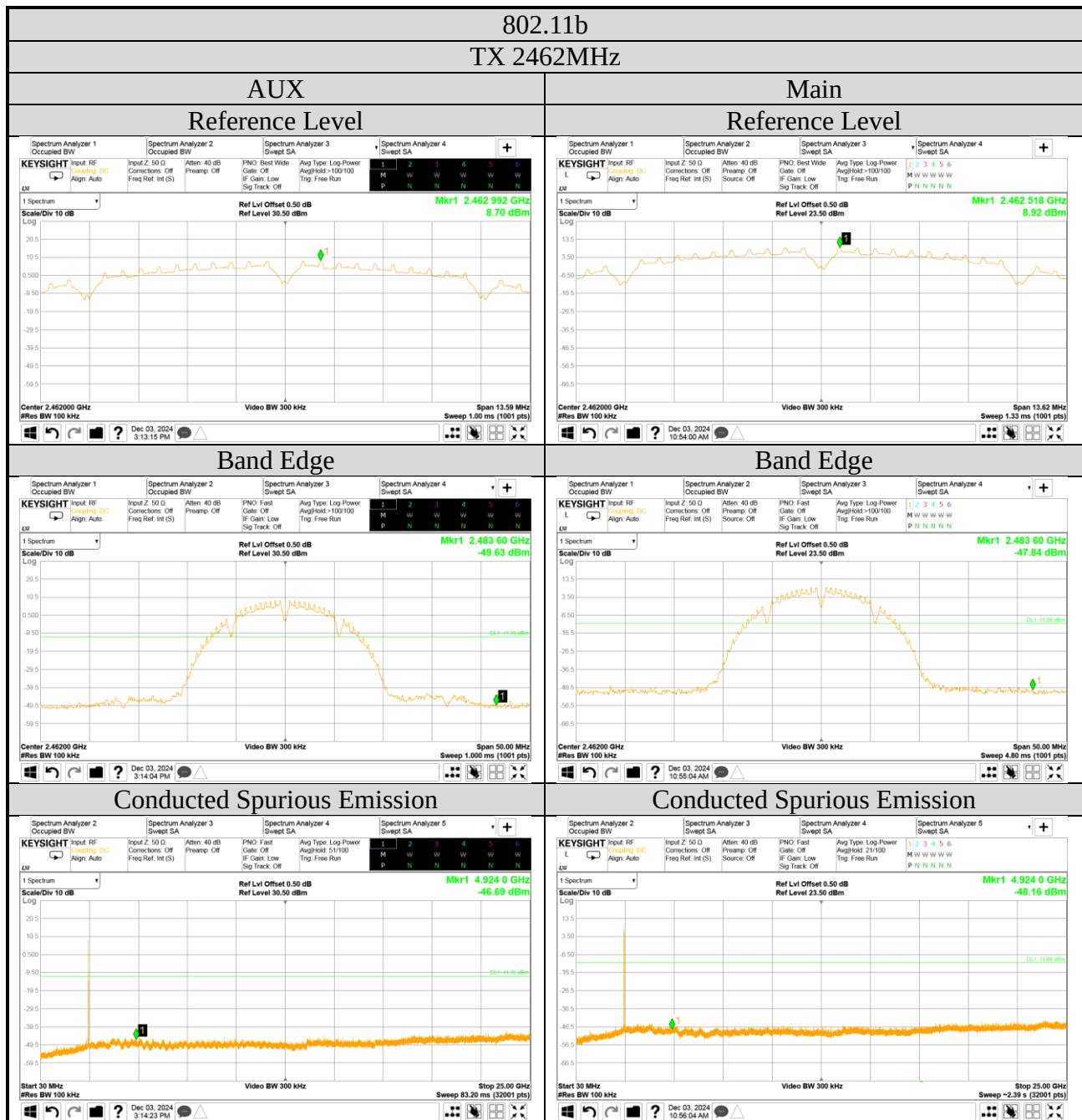
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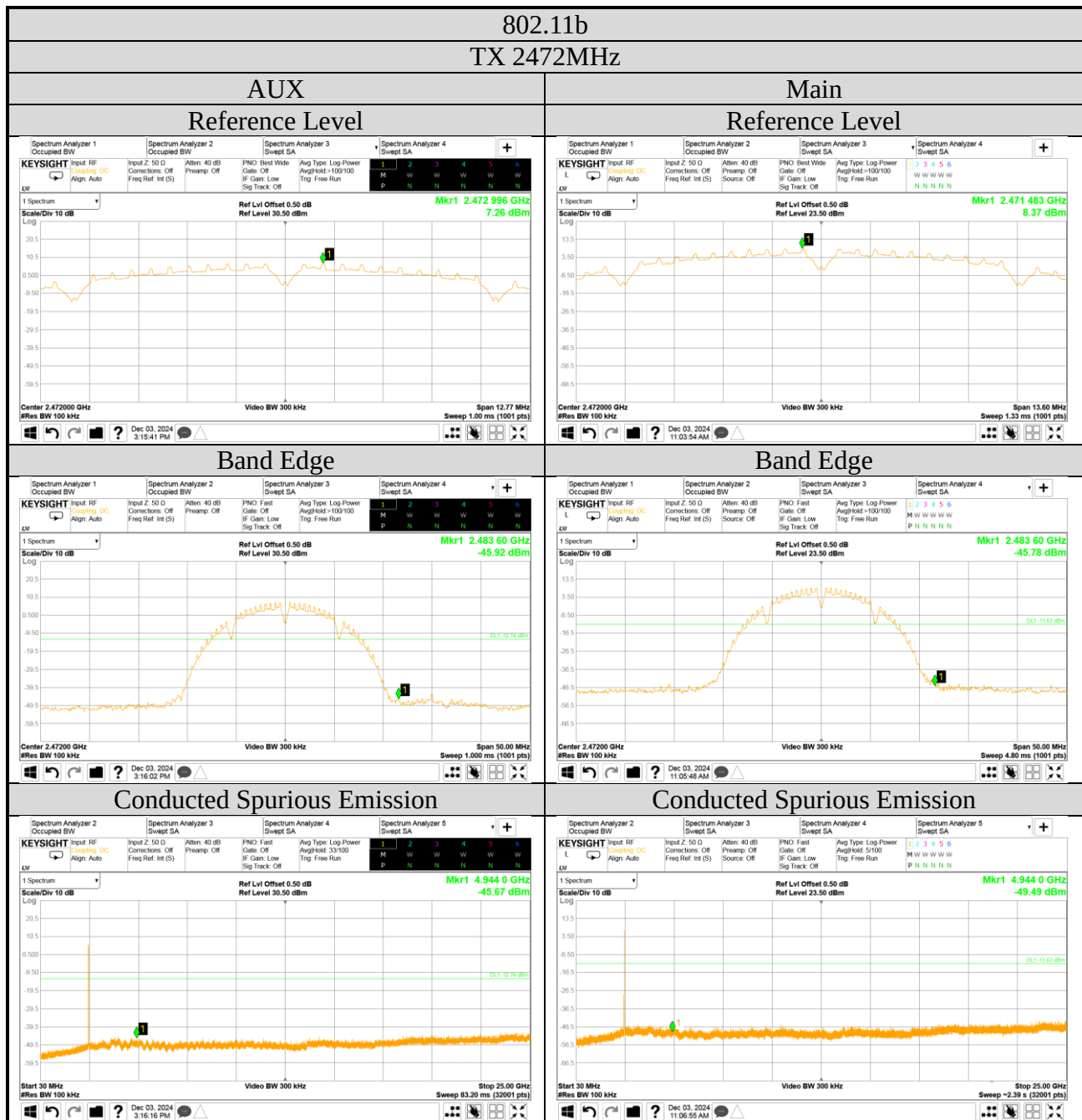
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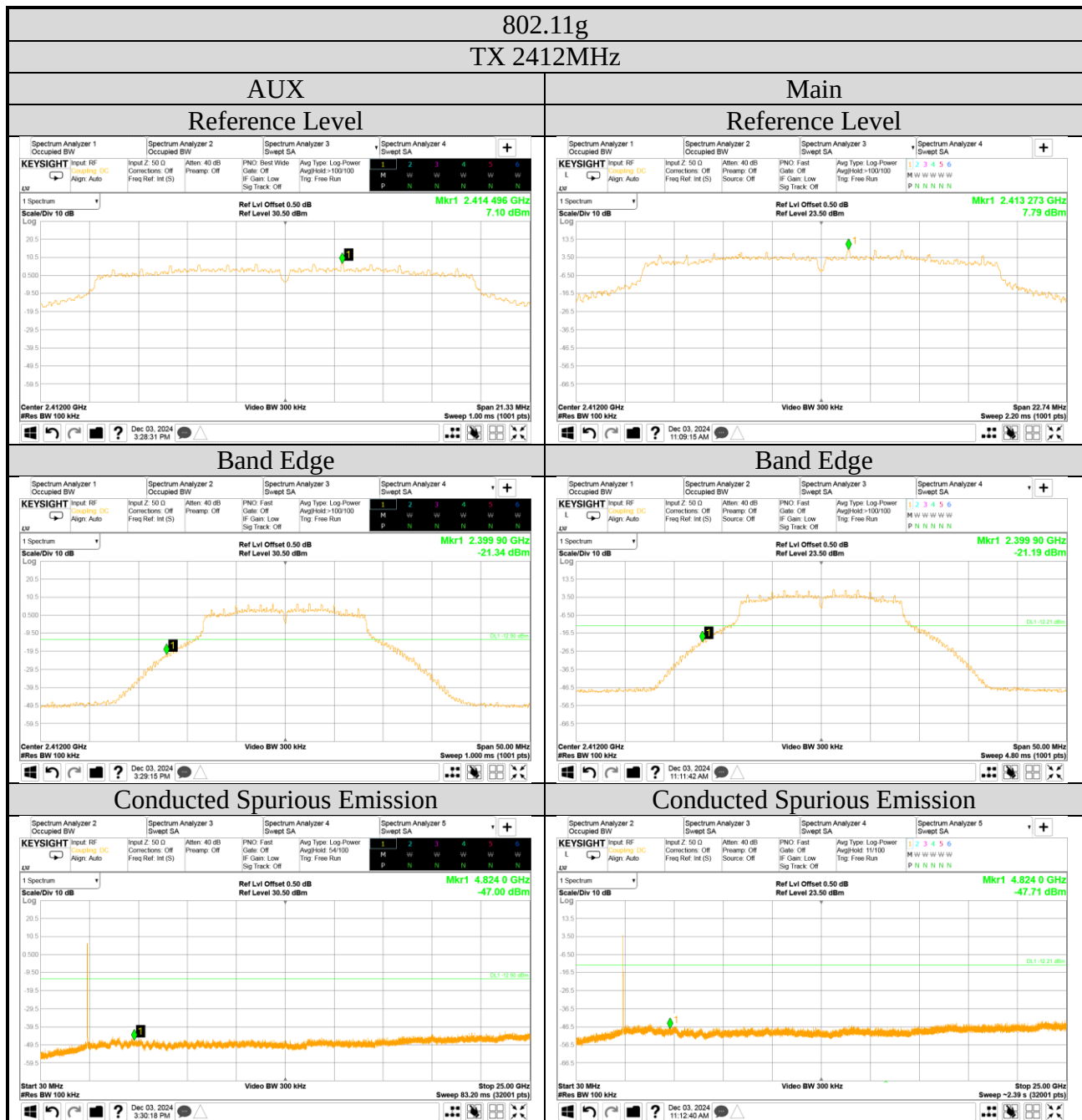
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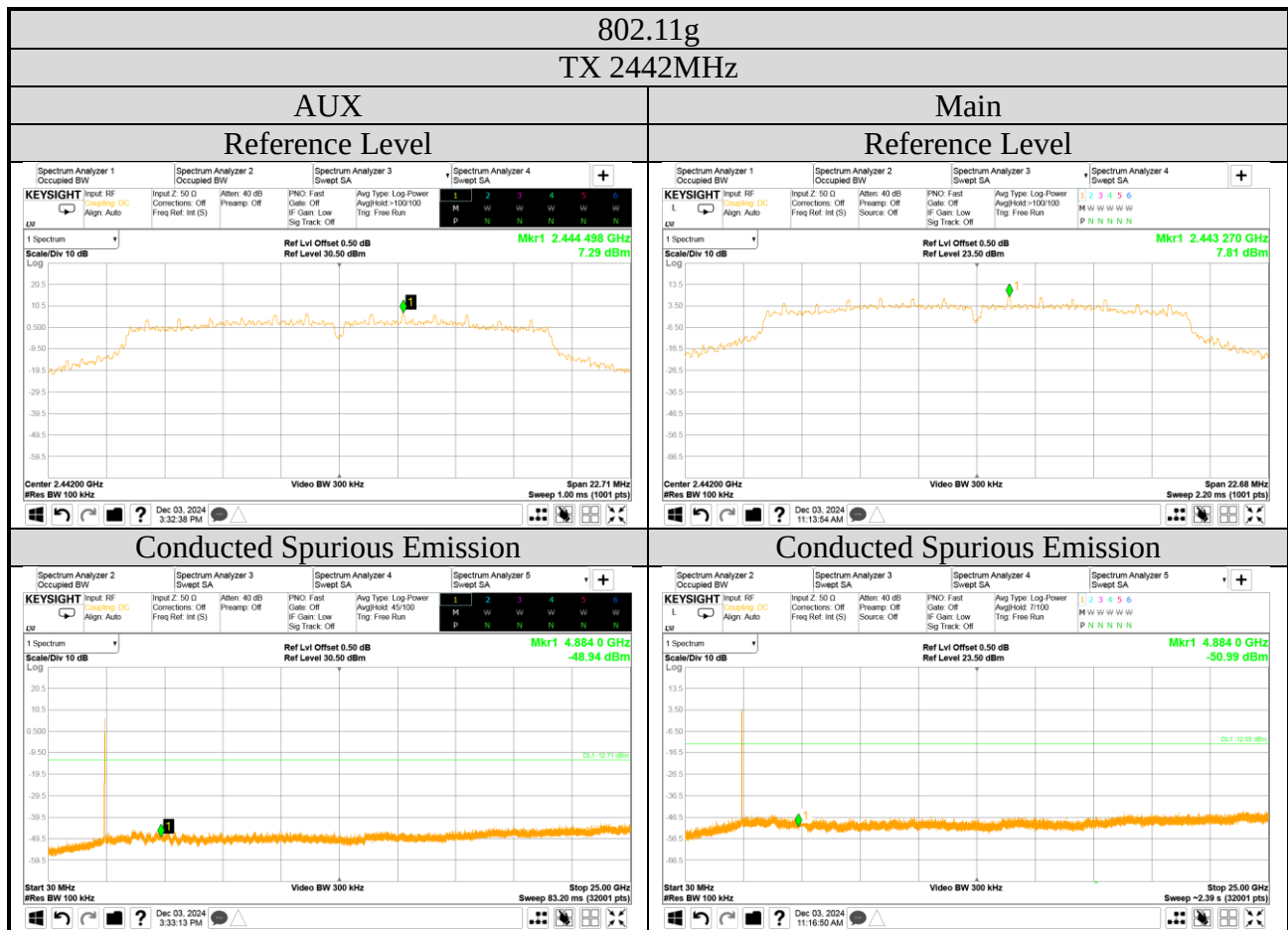
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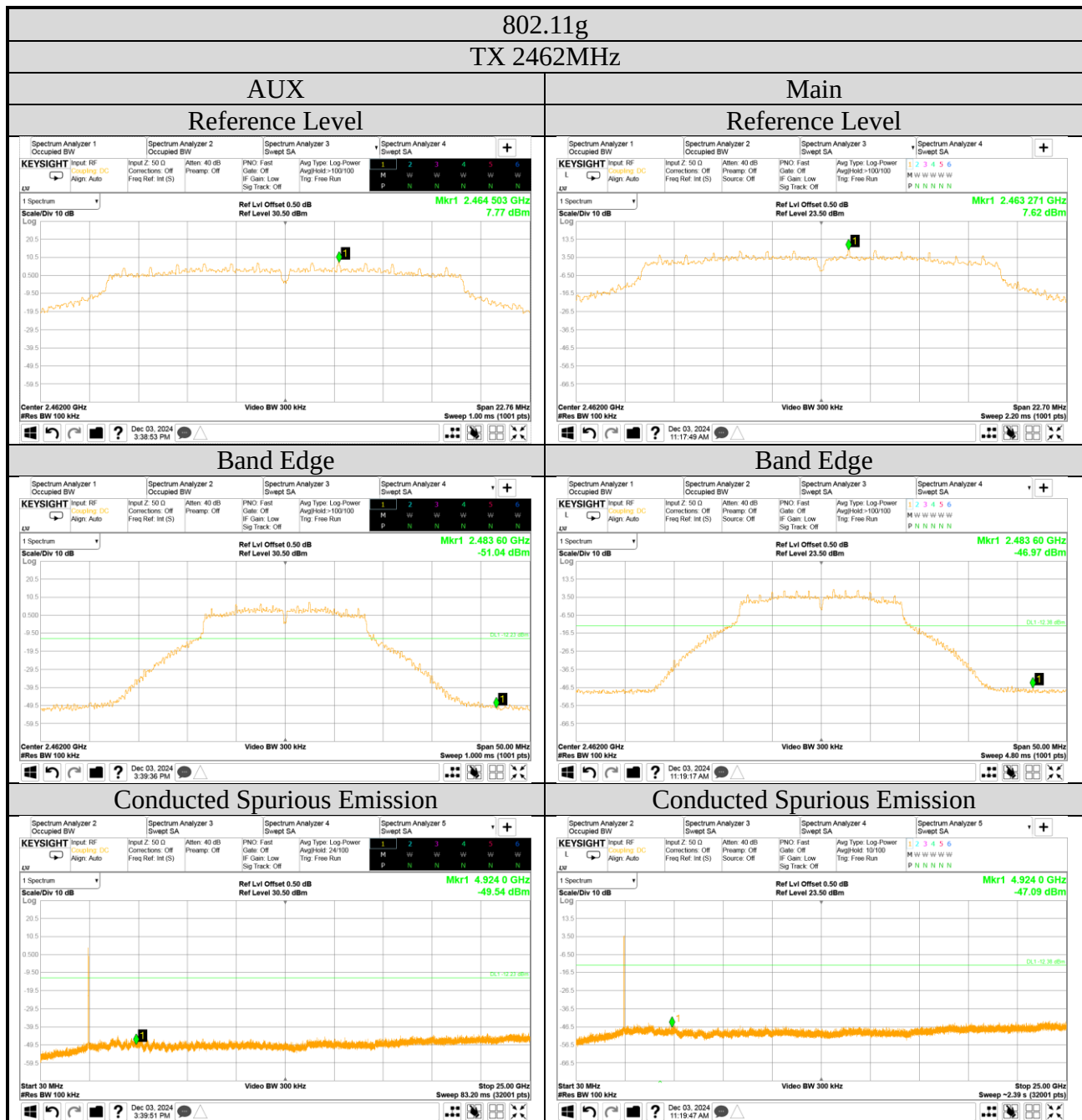
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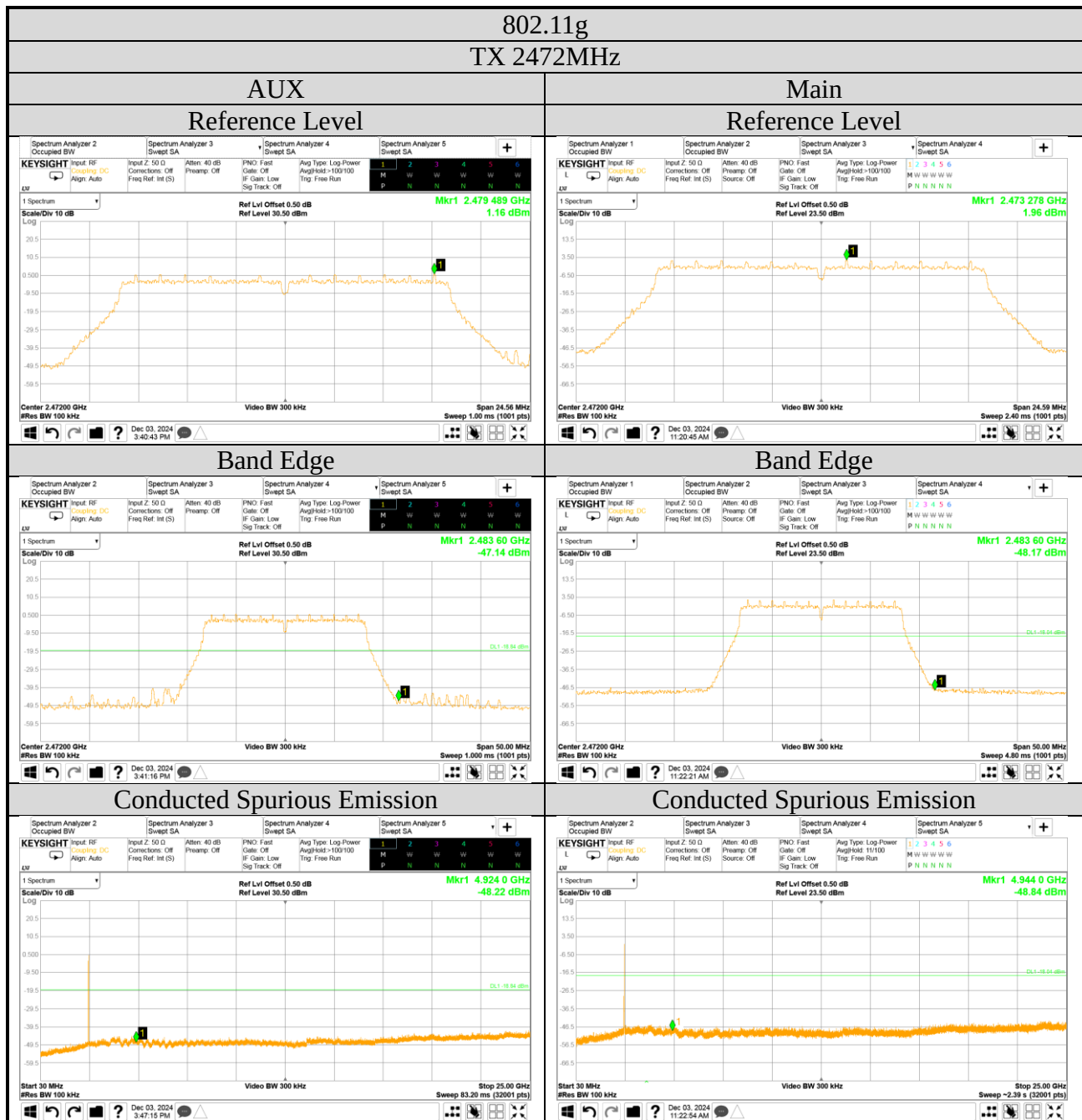
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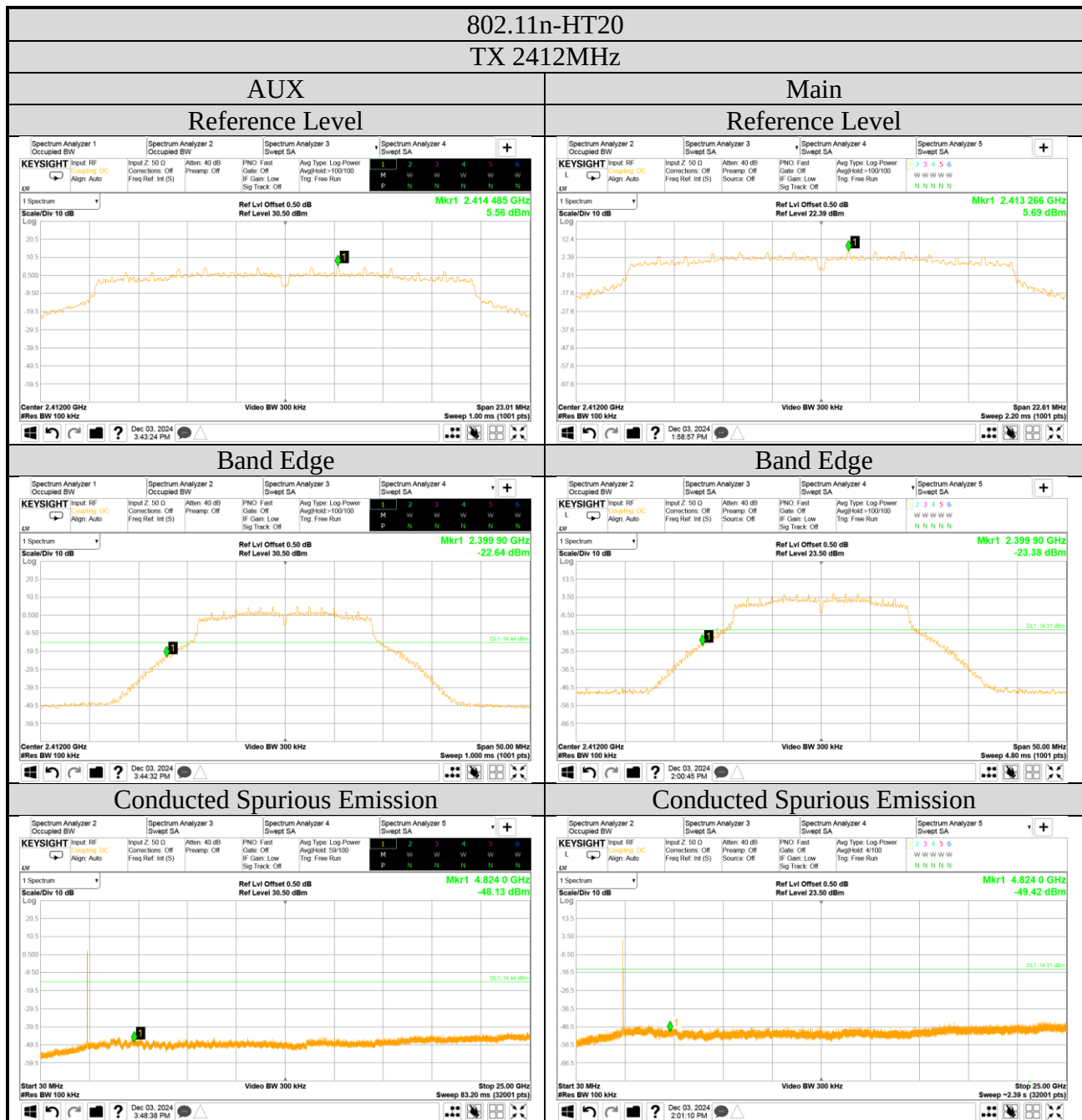
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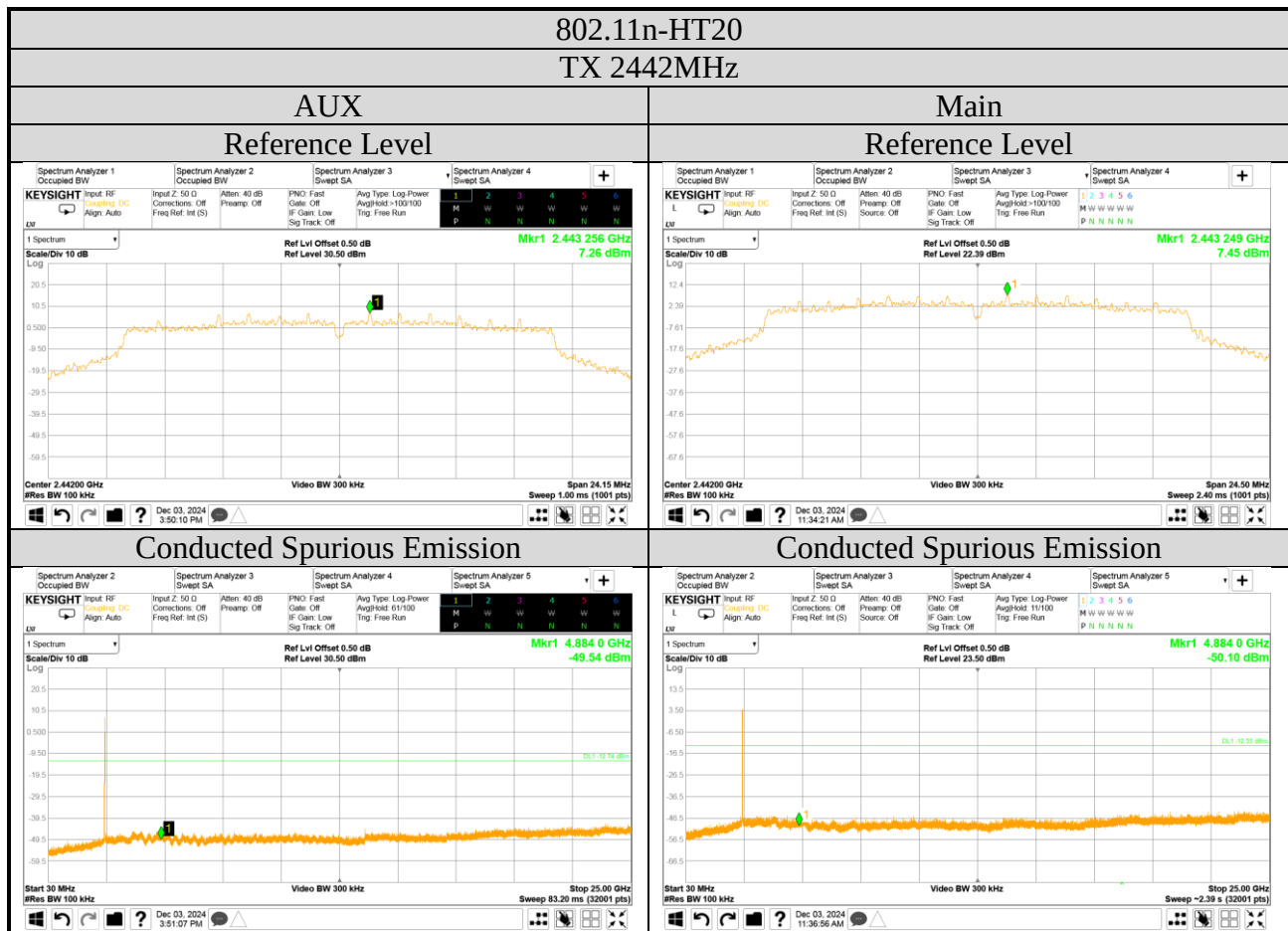
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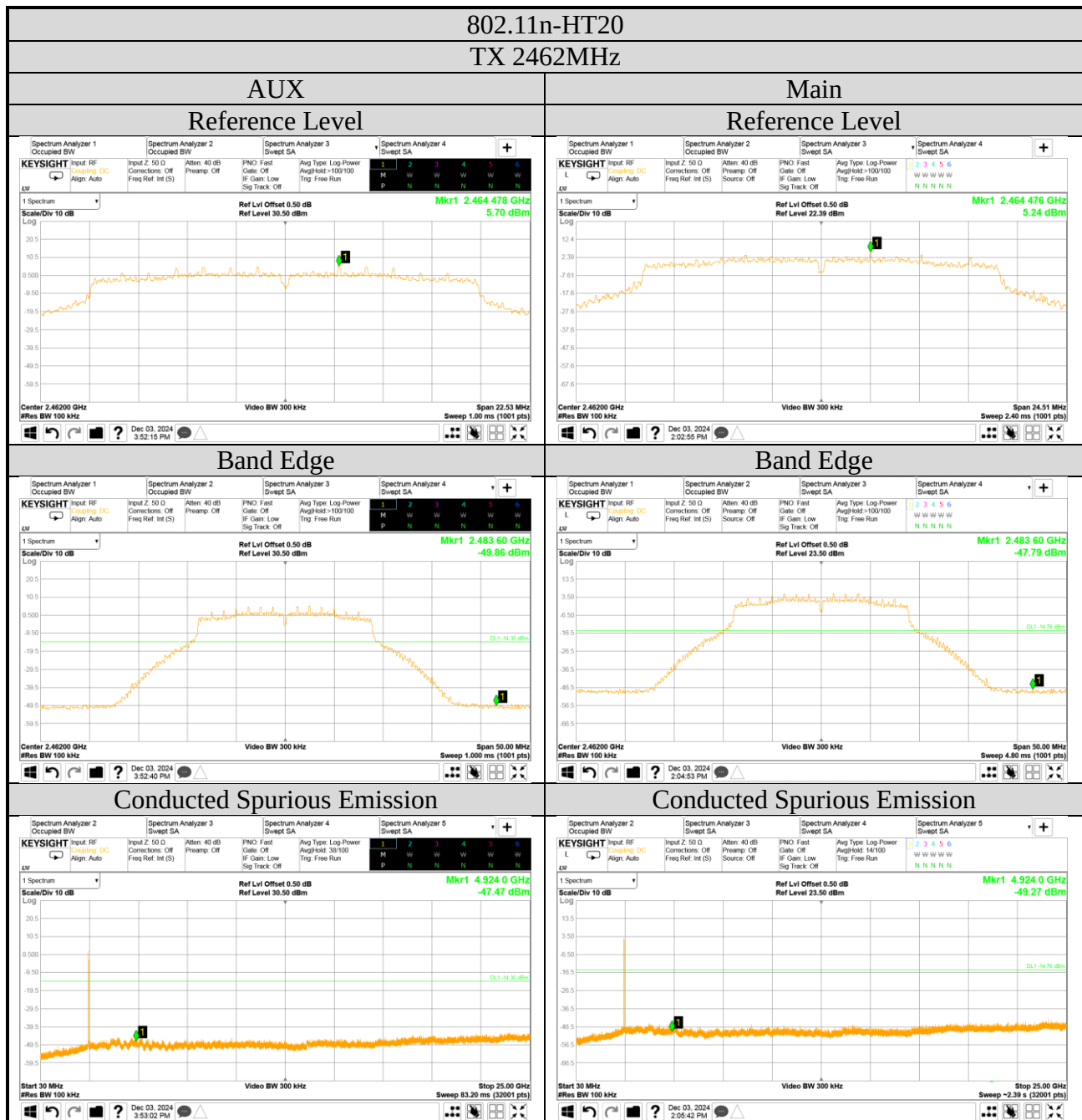
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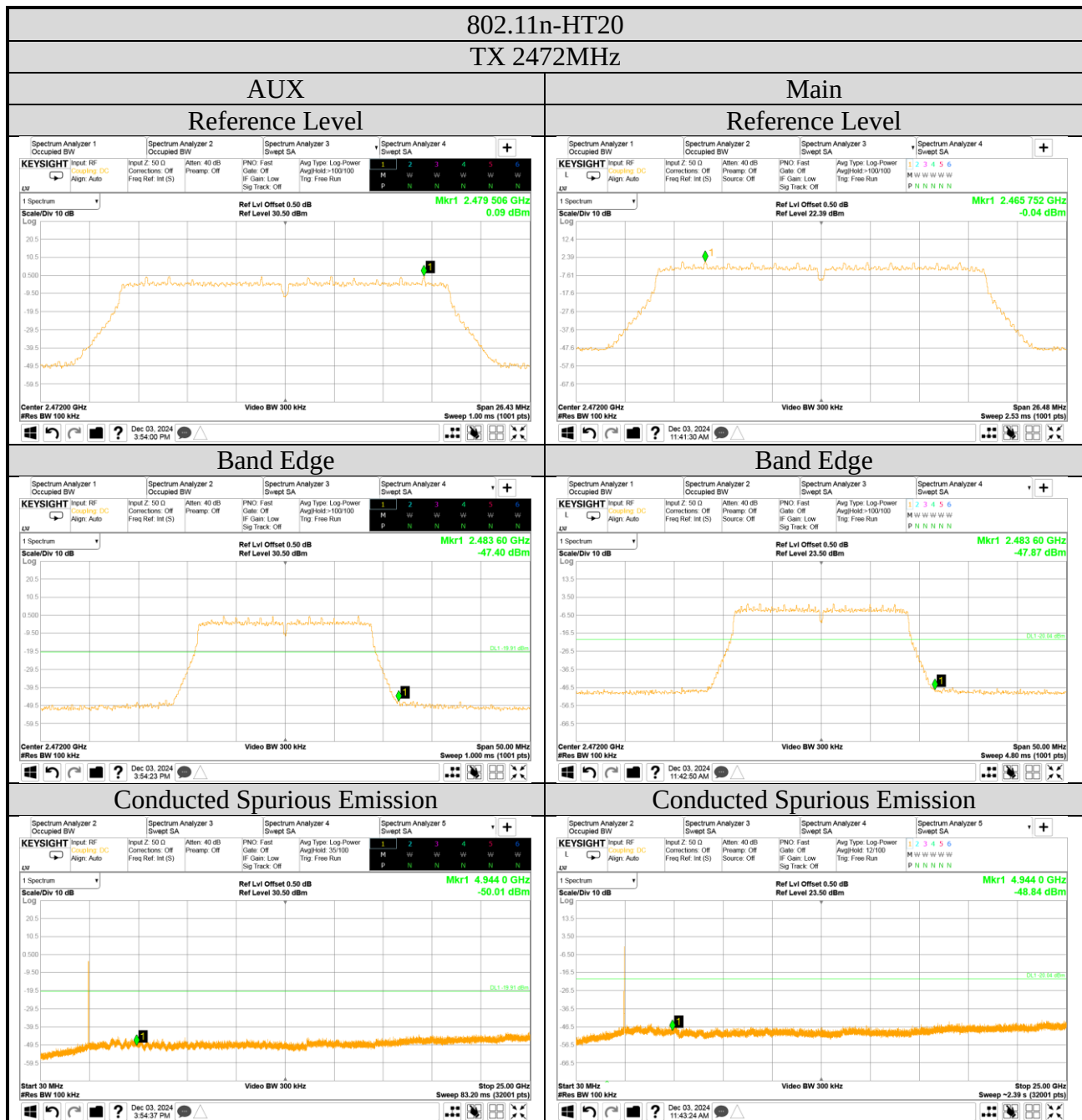
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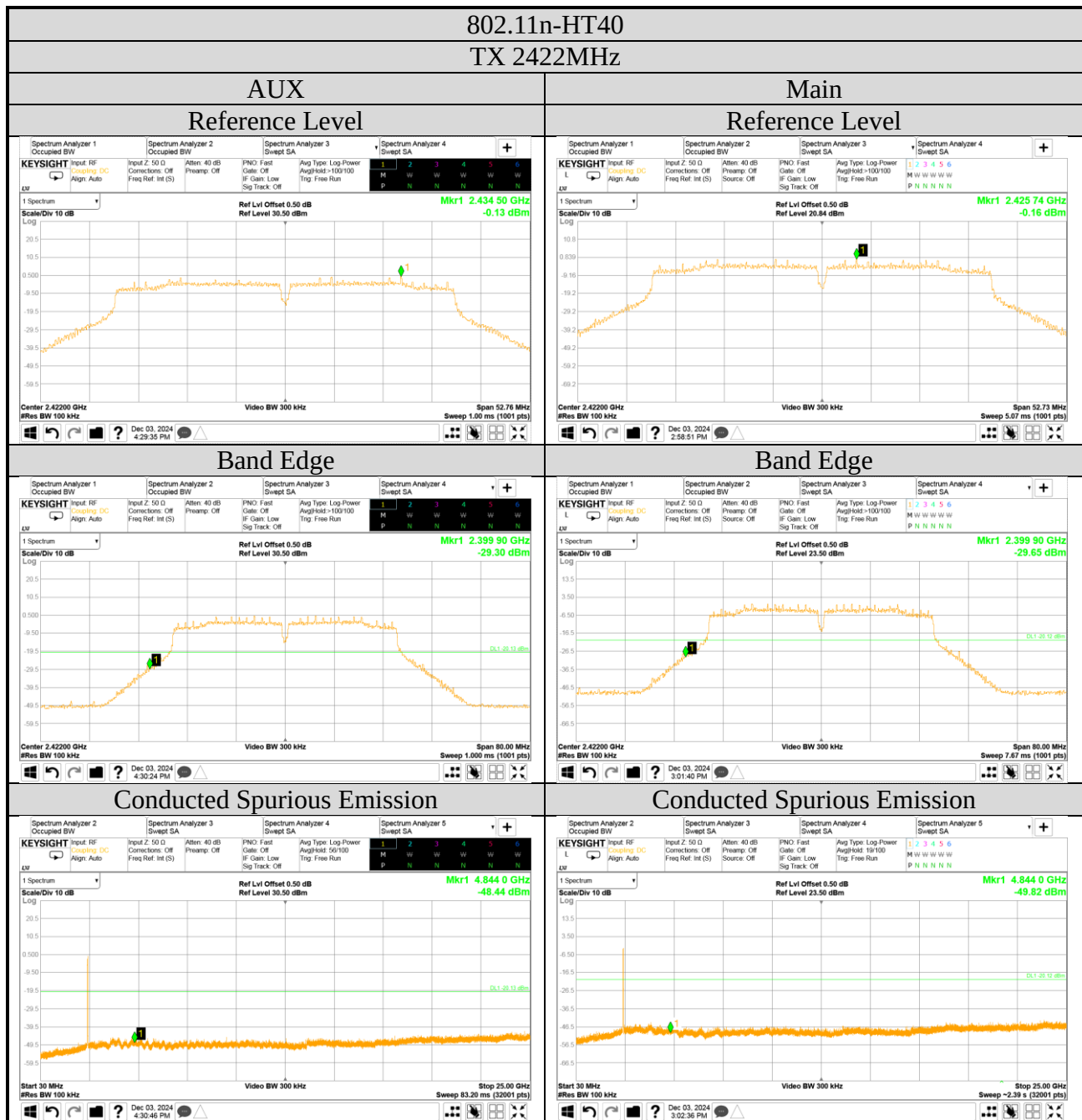
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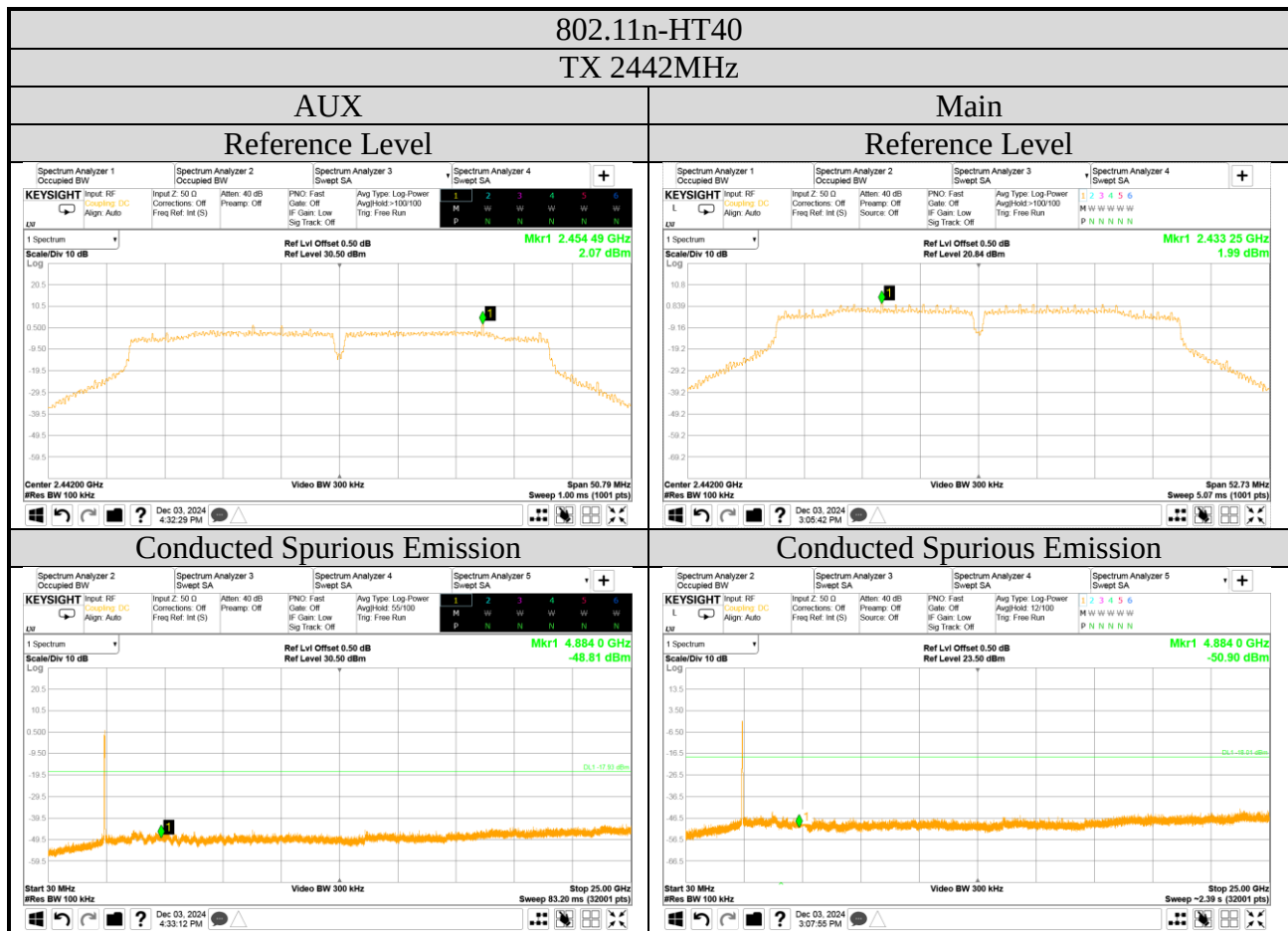
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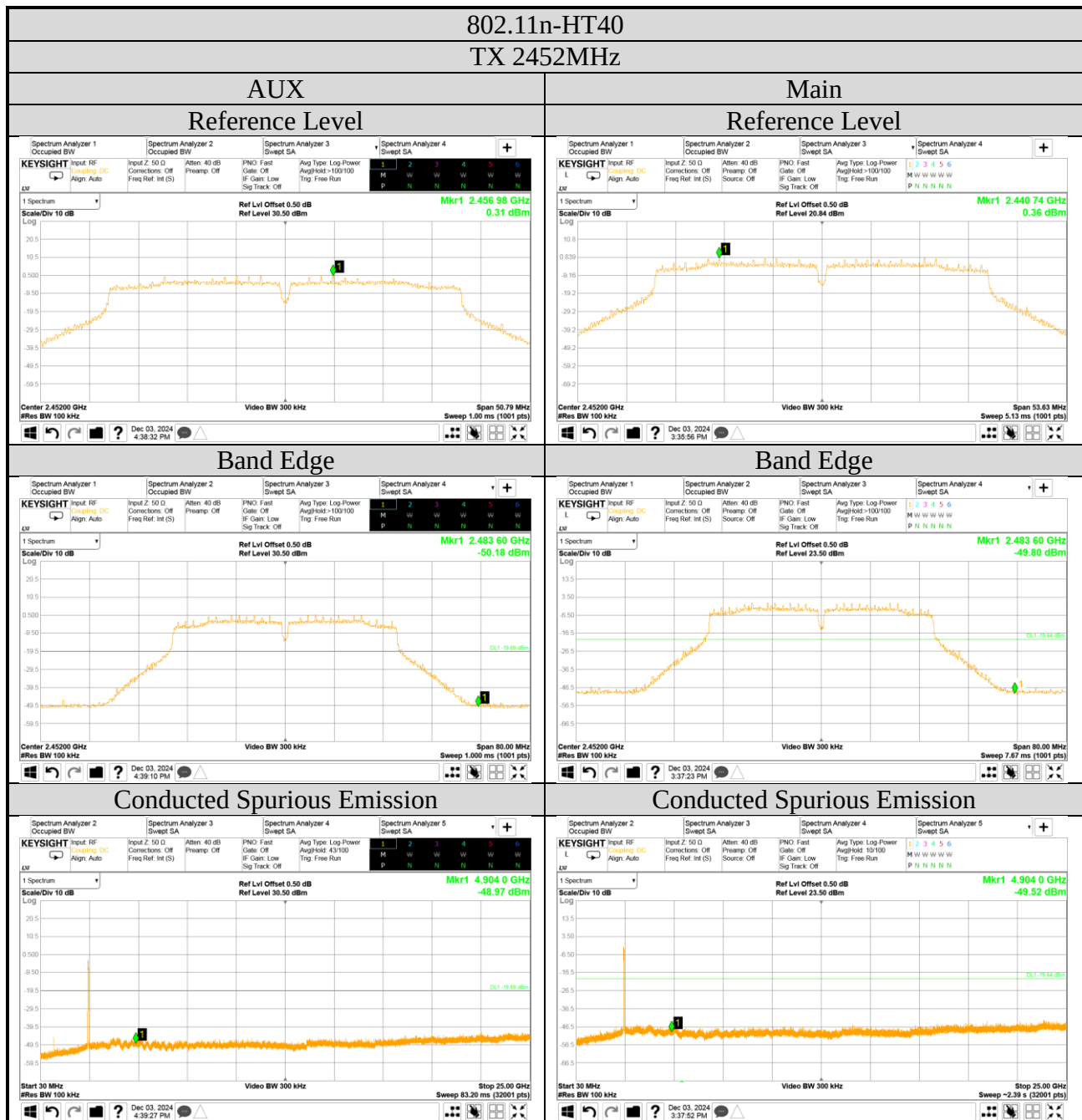
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