

Audix Technology Corp.
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A.3 DTS/OCCUPIED BANDWIDTH

Test Date	2024/12/04	Temp./Hum.	23°C/56%
Cable Loss	0.5dB	Tested By	Harry Huang
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.3.1 DTS/Occupied Bandwidth Result

Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)		Occupied (99%) Bandwidth (MHz)		Limit
		AUX	Main	AUX	Main	
802.11b	2412	9.078	9.055	13.442	13.431	>500kHz
	2442	9.048	8.589	13.470	13.445	
	2462	8.119	9.080	13.492	13.449	
	2472	9.058	8.593	13.452	13.471	
802.11g	2412	15.71	15.16	16.754	16.813	
	2442	15.16	15.12	16.799	16.722	
	2462	15.17	15.17	16.732	16.774	
	2472	16.38	16.38	16.408	16.404	
802.11n-HT20	2412	15.35	16.32	17.812	17.786	
	2442	15.30	16.55	17.868	17.784	
	2462	15.06	16.53	17.786	17.763	
	2472	17.62	17.64	17.588	17.604	
802.11n-HT40	2422	32.63	35.12	36.178	36.040	
	2442	35.09	35.09	36.153	36.087	
	2452	35.09	35.16	36.193	36.100	
	2462	36.40	36.43	36.262	36.223	
802.11ax-HE20	2412	15.44	17.85	18.934	18.912	
	2442	16.43	18.20	18.928	18.925	
	2462	17.97	16.88	18.944	18.944	
	2472	18.73	18.81	18.719	18.752	
802.11ax-HE40	2422	36.23	36.52	37.587	37.583	
	2442	36.47	37.01	37.597	37.609	
	2452	36.94	36.41	37.599	37.633	
	2462	37.92	37.72	37.617	37.668	
802.11be-EHT20	2412	17.72	17.81	18.923	18.919	
	2442	16.99	17.28	18.895	18.888	
	2462	18.30	16.17	18.948	18.941	
	2472	18.78	18.73	18.735	18.782	
802.11be-EHT40	2422	36.42	37.54	37.587	37.592	
	2442	35.36	36.40	37.657	37.509	
	2452	37.09	36.94	37.638	37.524	
	2462	37.77	38.10	37.637	37.681	

Note: We only presented the middle channel plots for each test mode.

Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
BLE (1Mbps)	2402	0.6600	1.0086	>500kHz
	2440	0.6606	1.0138	
	2480	0.6623	1.0176	
BLE (2Mbps)	2402	1.175	2.0246	>500kHz
	2440	1.178	2.0371	
	2480	1.173	2.0328	
BLE (PHY Coded S2)	2402	0.6704	1.0059	>500kHz
	2440	0.6617	1.0056	
	2480	0.6650	1.0109	
BLE (PHY Coded S8)	2402	0.6777	1.0320	>500kHz
	2440	0.6868	1.0426	
	2480	0.6999	1.0486	

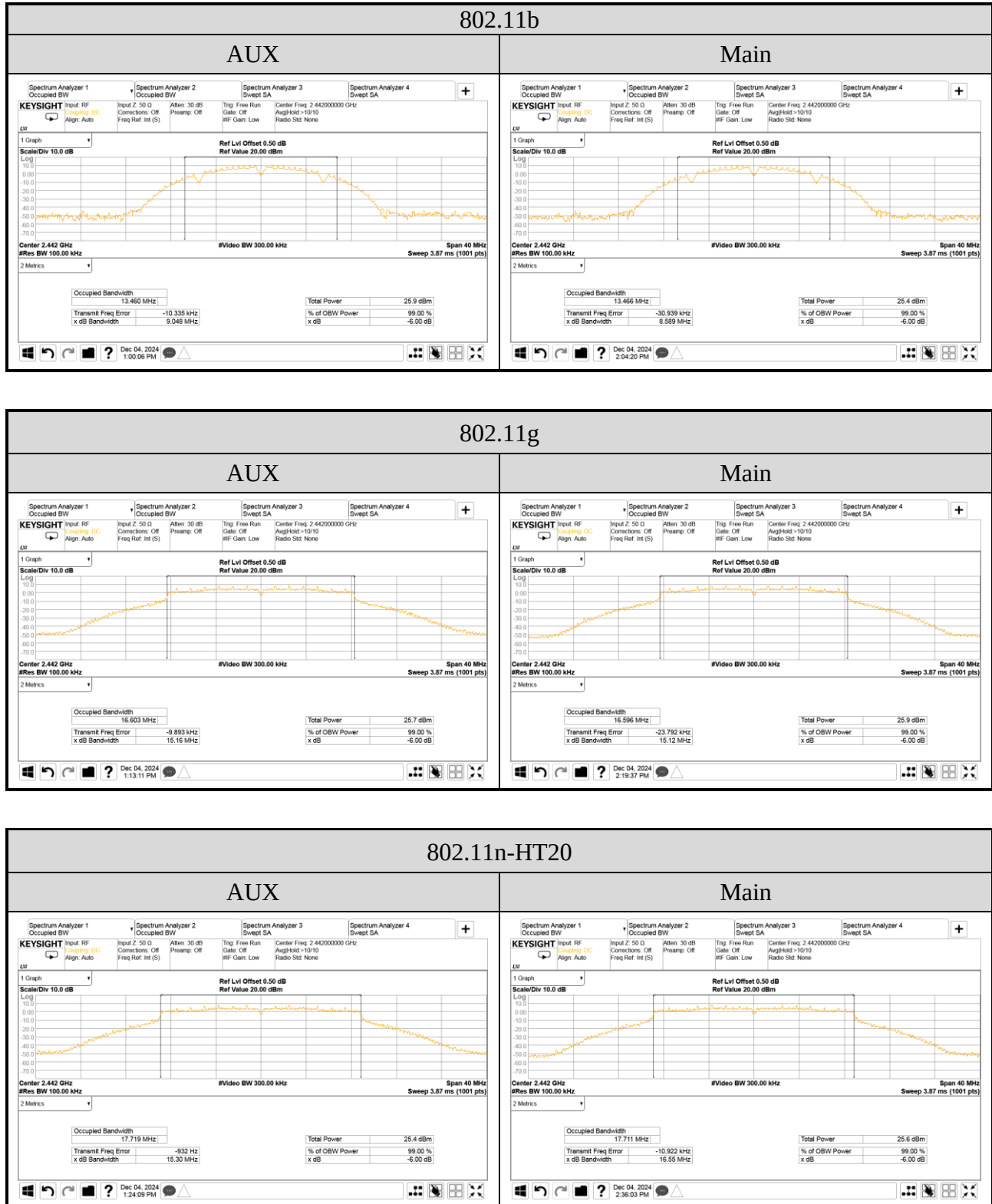
Note: We only presented the middle channel plots for each test mode.

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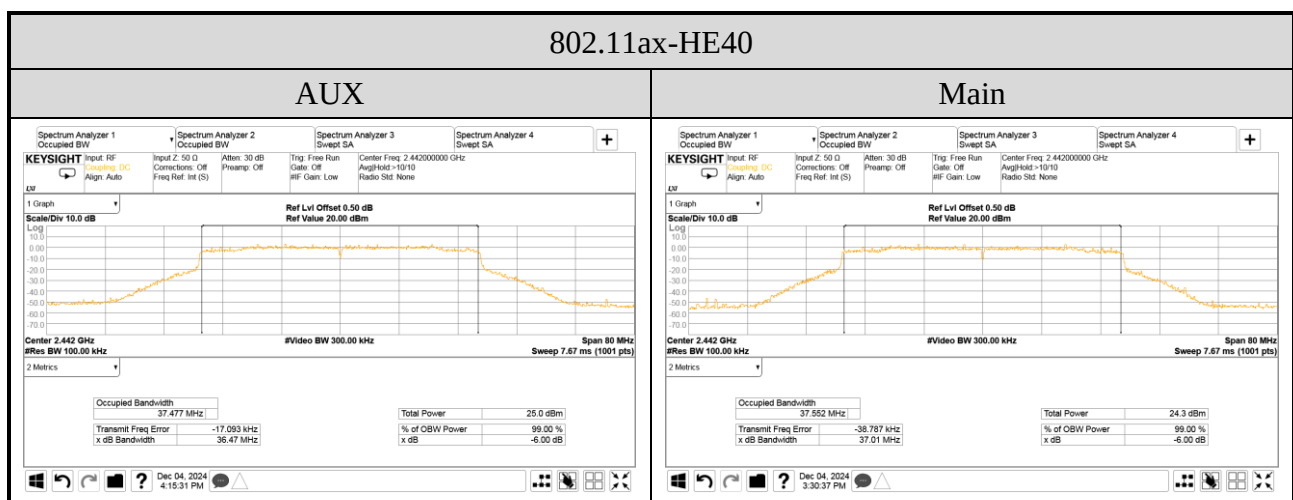
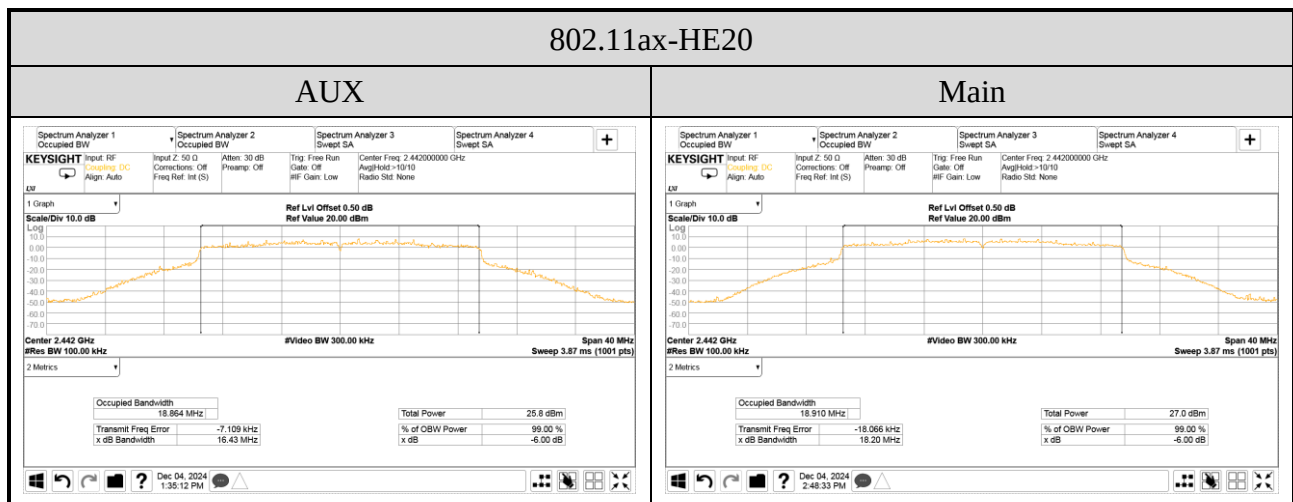
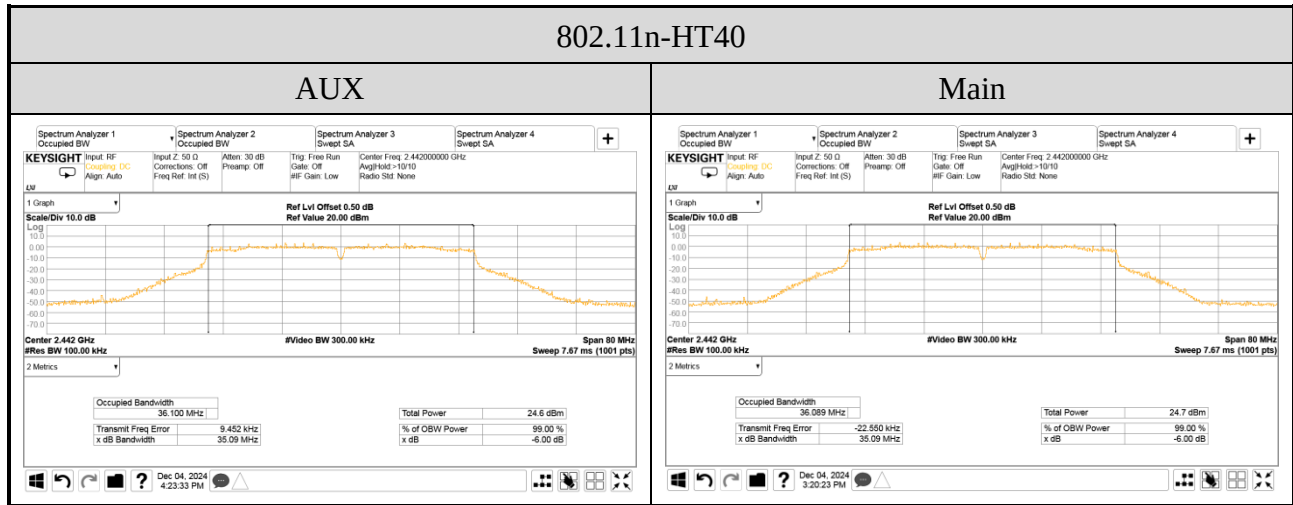
A.3.2 Measurement Plots

● DTS (6dB) Bandwidth



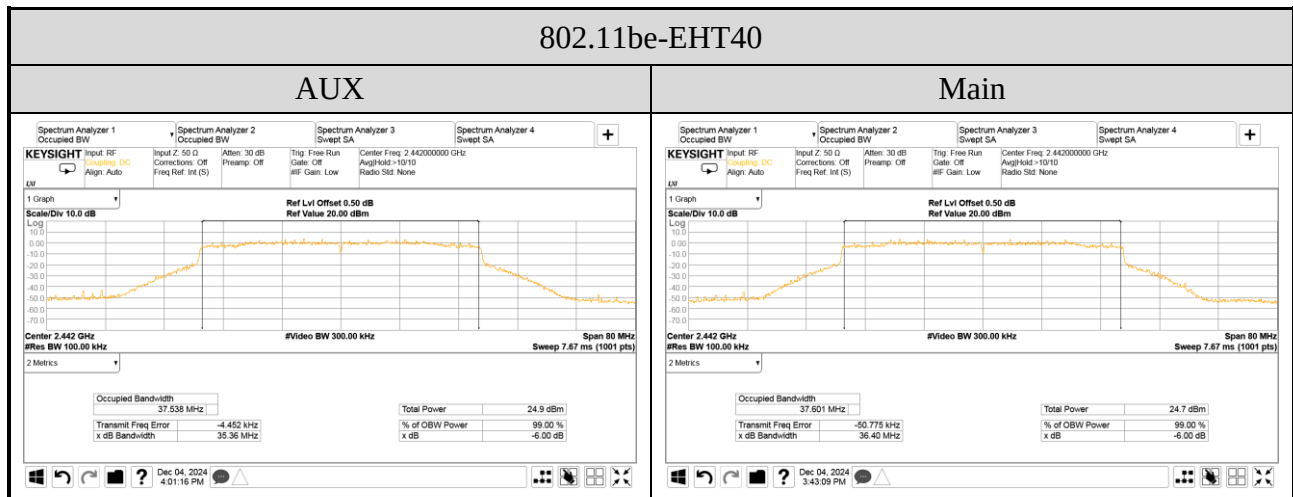
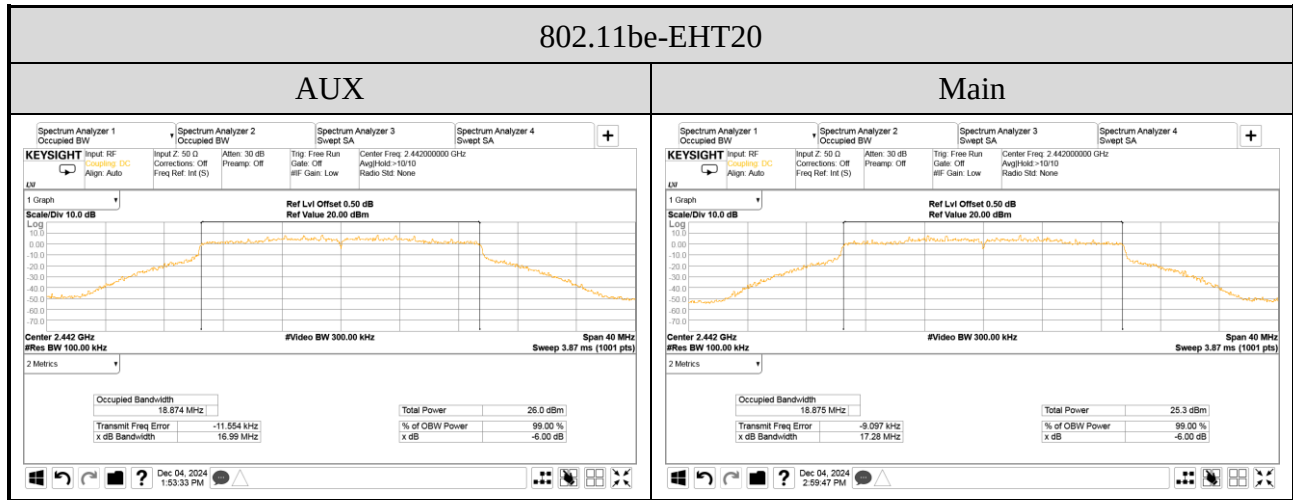
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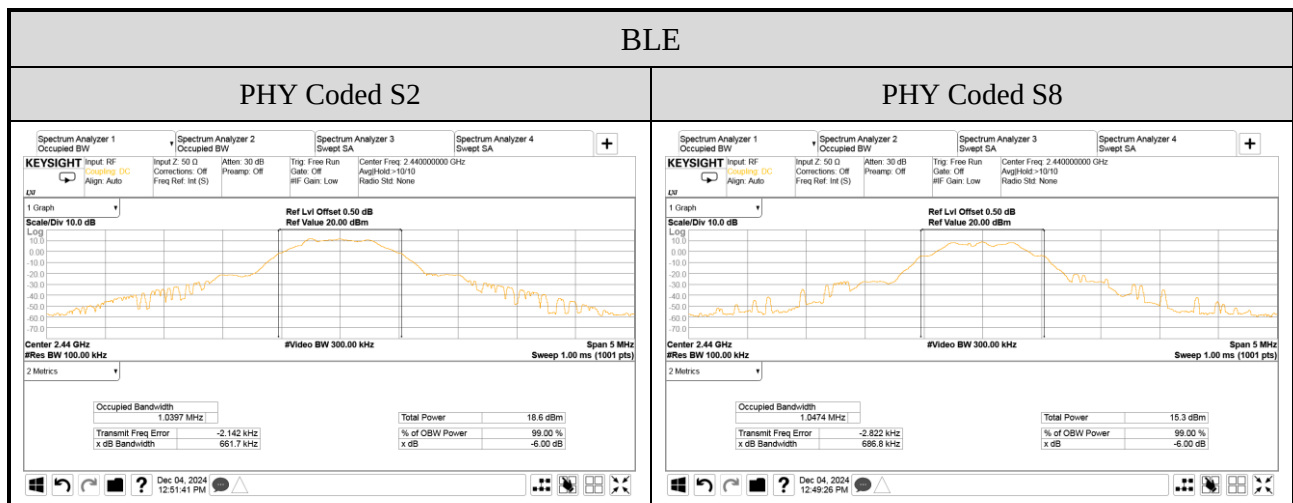
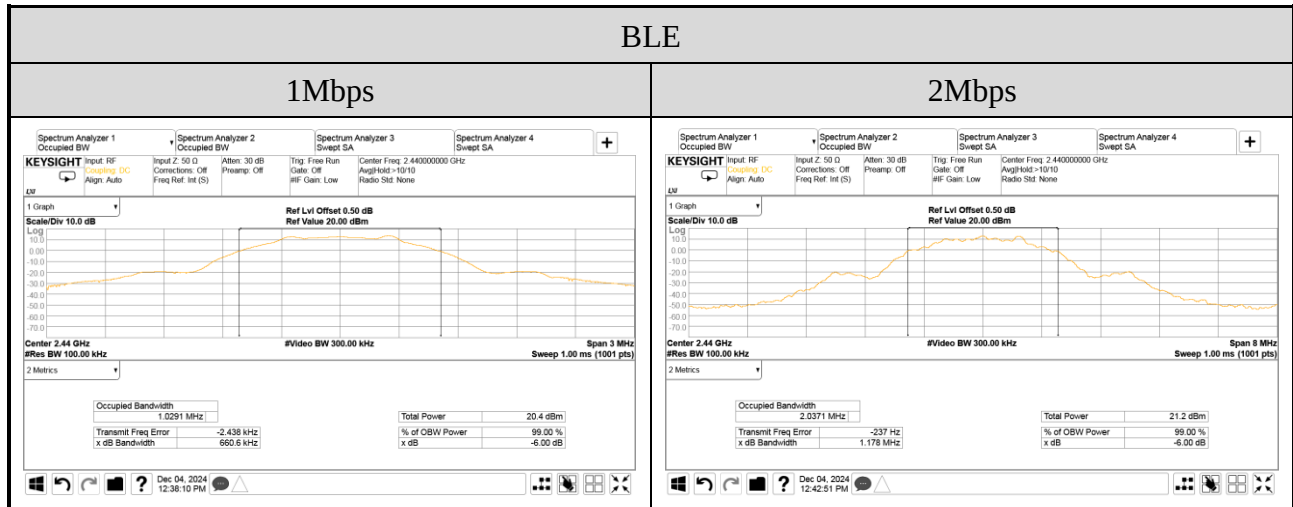
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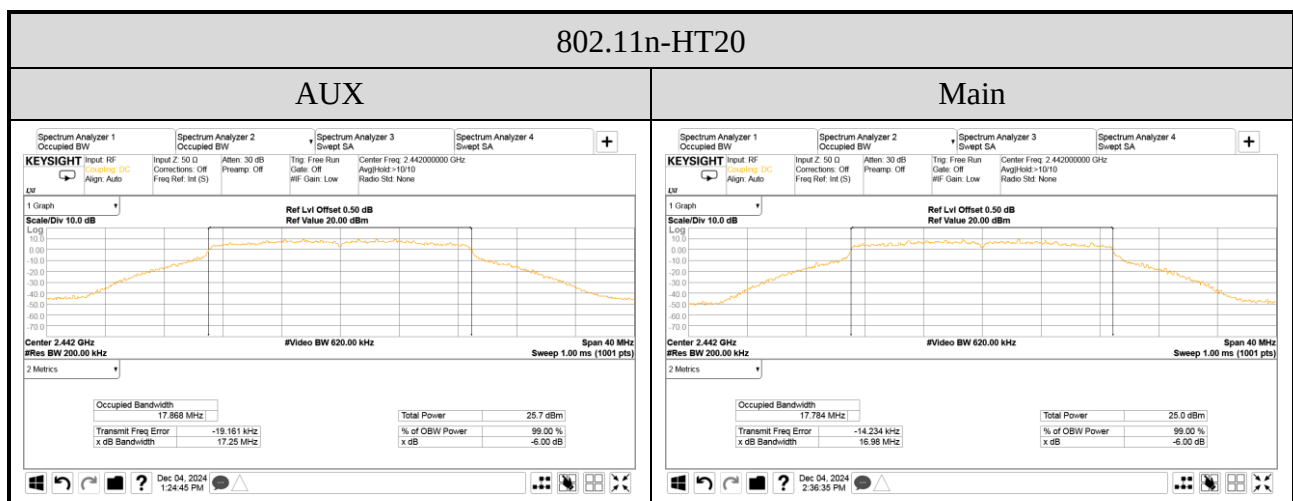
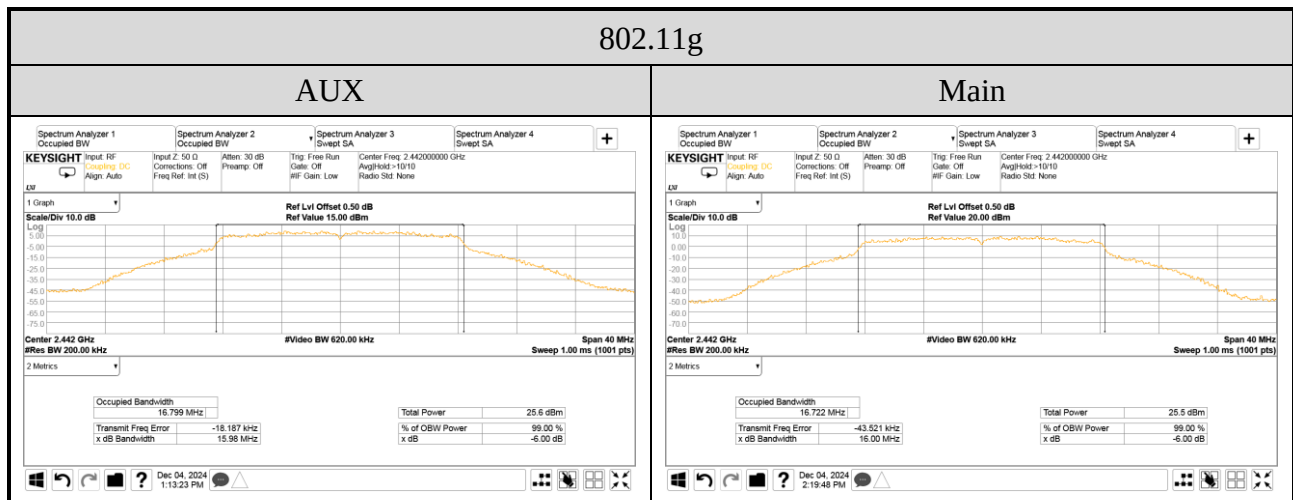
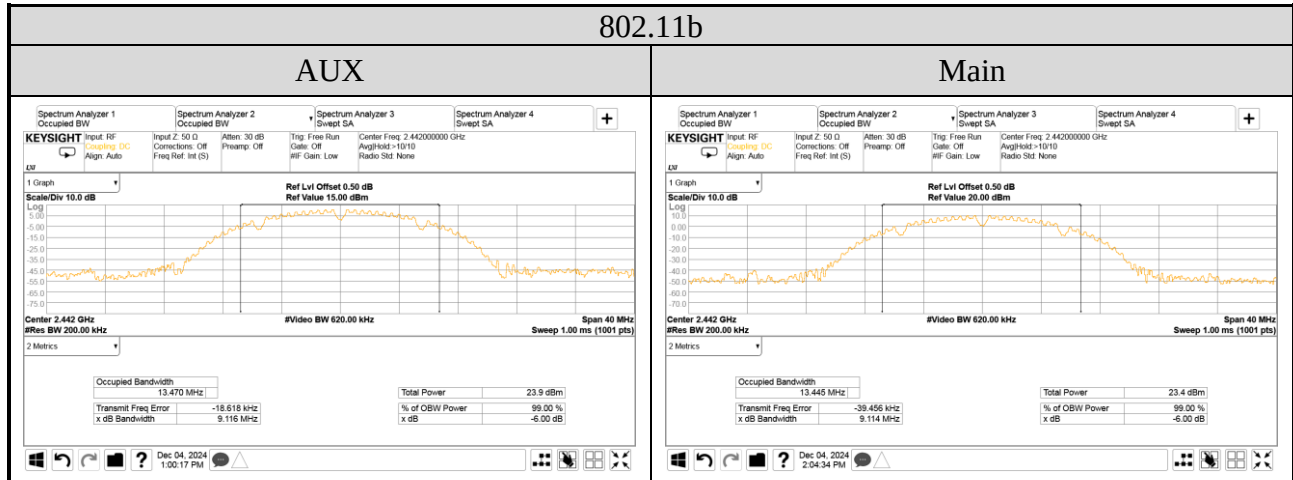
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● Occupied (99%) Bandwidth



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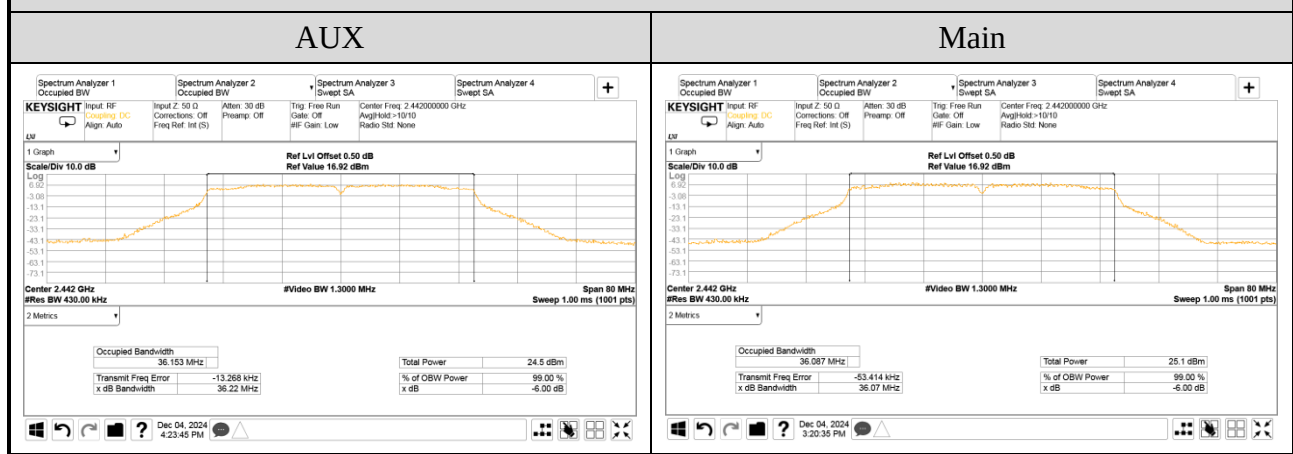
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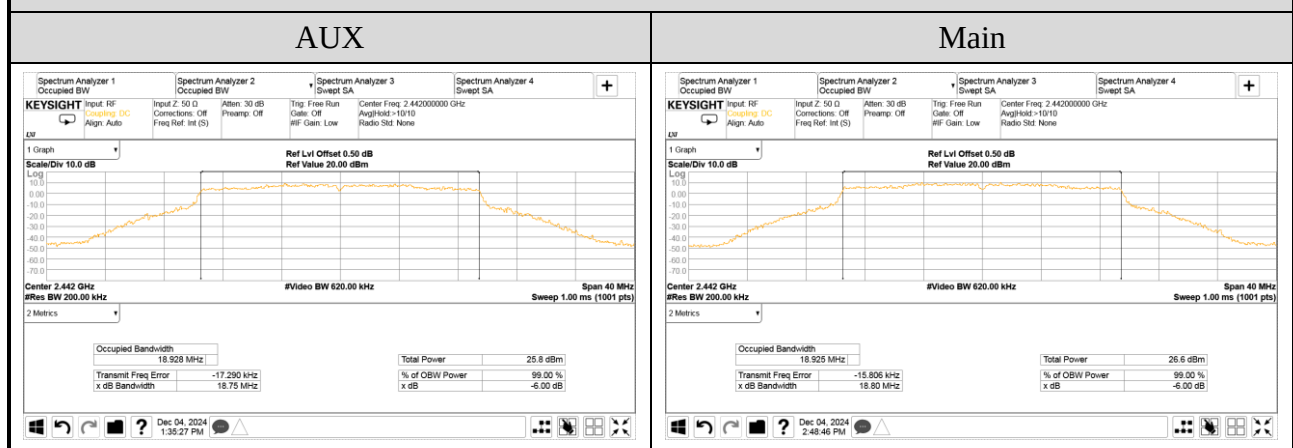
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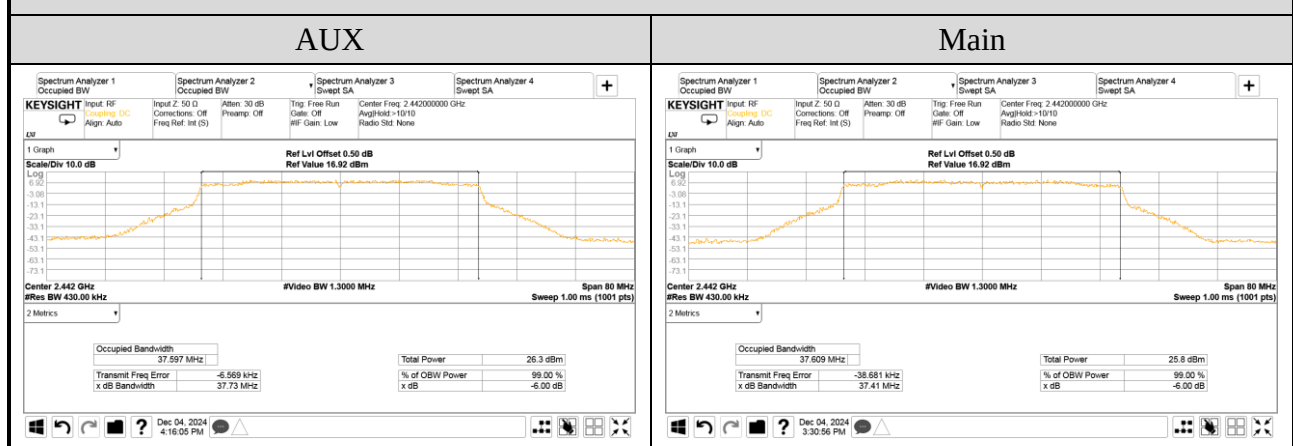
802.11n-HT40



802.11ax-HE20

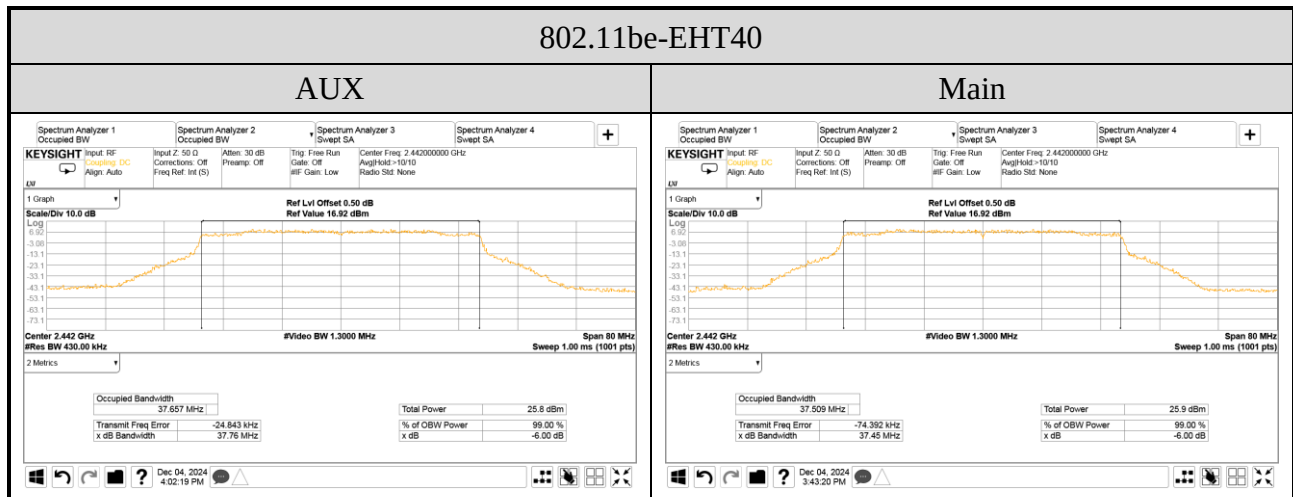
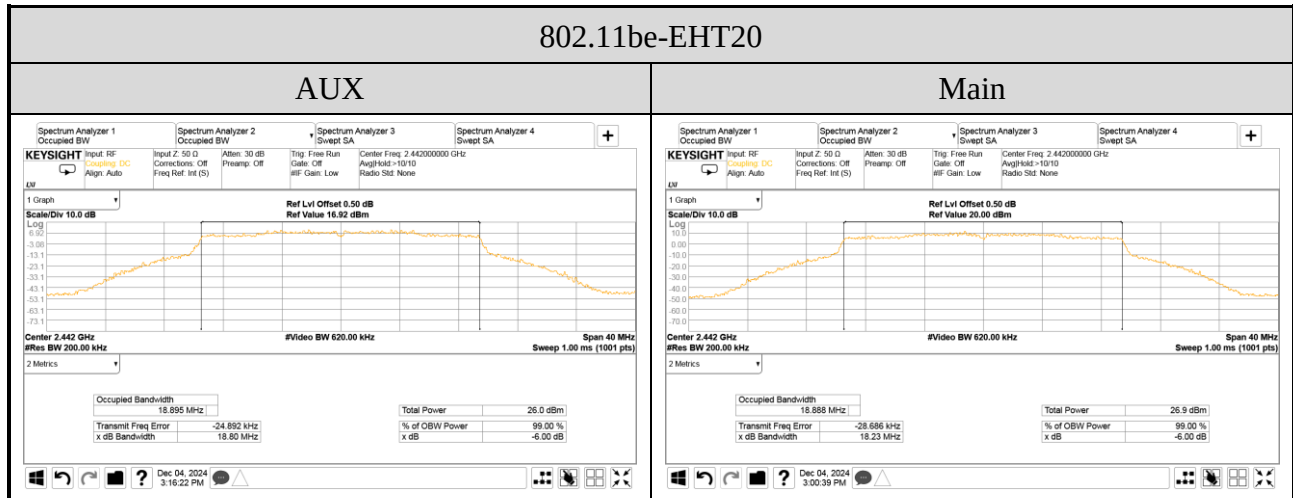


802.11ax-HE40



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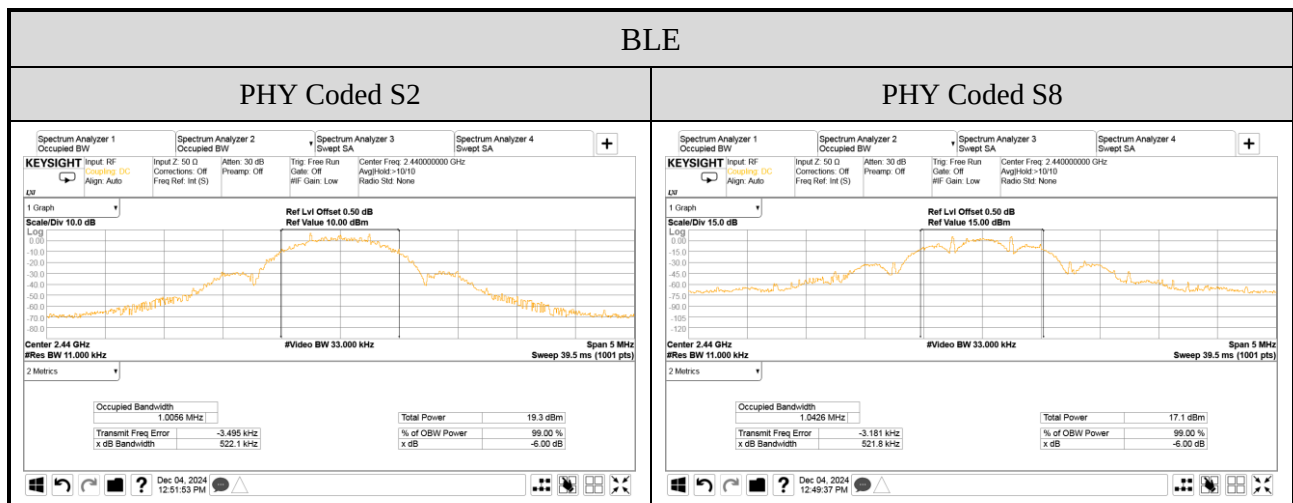
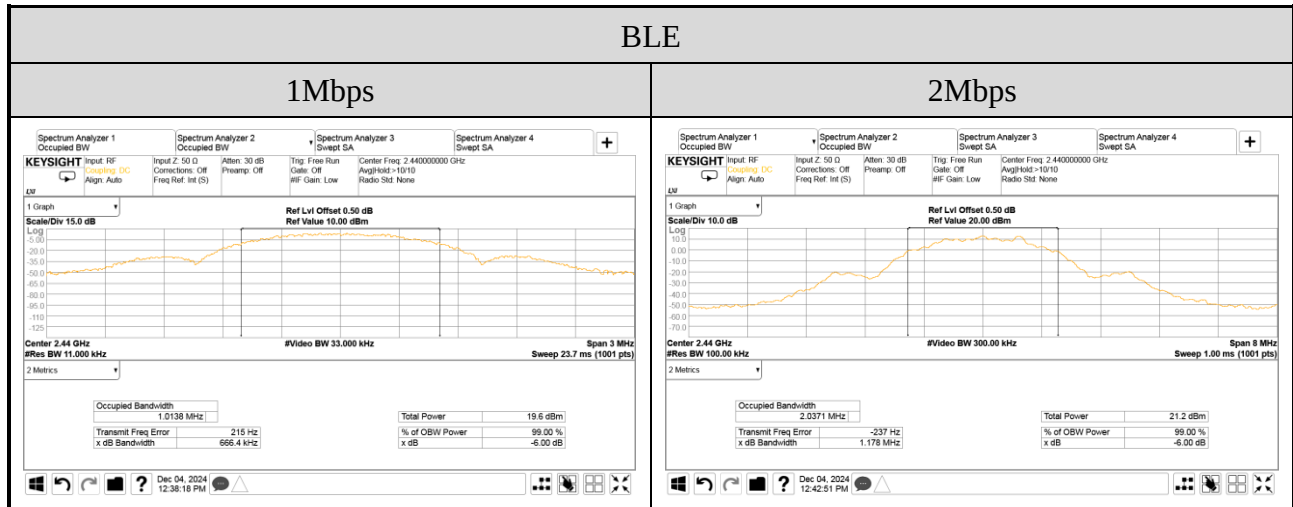
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A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2024/11/29 ~ 30	Temp./Hum.	23 ~ 25°C/55-59%
Cable Loss	0.50dB	Tested By	Harry Huang
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.4.1 Peak Output Power

Antenna: INPAQ

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max Peak Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P. (dBm) ^{Note 2}	Limit
		Aux	Main		Main	Aux		
802.11b	2412	19.32	20.93	20.93	2.40	2.20	23.13	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	18.99	20.77	20.77	2.40	2.20	22.97	
	2422	19.83	20.91	20.91	2.40	2.20	23.11	
	2442	21.62	20.63	21.62	2.40	2.20	24.02	
	2467	21.04	20.40	21.04	2.40	2.20	23.44	
	2472	18.80	19.52	19.52	2.40	2.20	21.72	
802.11g	2412	23.93	23.20	23.93	2.40	2.20	26.33	
	2417	24.02	23.45	24.02	2.40	2.20	26.42	
	2442	24.61	23.52	24.61	2.40	2.20	27.01	
	2462	24.35	23.44	24.35	2.40	2.20	26.75	
	2467	18.17	21.24	21.24	2.40	2.20	23.44	
	2472	24.38	24.65	24.65	2.40	2.20	26.85	

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 (dBm)	Directional Gain Note 3 (dBi)	E.I.R.P. ^{Note 4} (dBm)	Limit
		Aux	Main				
802.11n- HT20	2412	21.90	21.64	24.78	2.30	27.08	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	23.78	23.41	26.61	2.30	28.91	
	2442	24.40	23.59	27.02	2.30	29.32	
	2462	23.97	23.42	26.71	2.30	29.01	
	2467	18.12	17.24	20.71	2.30	23.01	
	2472	22.63	22.91	25.78	2.30	28.08	
802.11n- HT40	2422	22.80	22.55	25.69	2.30	27.99	
	2427	23.07	22.77	25.93	2.30	28.23	
	2432	23.73	23.64	26.70	2.30	29.00	
	2442	24.08	23.97	27.04	2.30	29.34	
	2447	23.62	23.47	26.56	2.30	28.86	
	2452	23.12	23.33	26.24	2.30	28.54	
802.11ax- HE20	2462	23.16	22.71	25.95	2.30	28.25	
	2412	22.23	21.23	24.77	2.30	27.07	
	2417	23.32	23.41	26.38	2.30	28.68	
	2442	23.63	23.45	26.55	2.30	28.85	
	2462	23.32	23.19	26.27	2.30	28.57	
	2467	18.38	17.48	20.96	2.30	23.26	
802.11ax- HE40	2472	23.26	22.54	25.93	2.30	28.23	
	2422	22.92	22.83	25.89	2.30	28.19	
	2427	23.62	23.26	26.45	2.30	28.75	
	2432	24.43	23.79	27.13	2.30	29.43	
	2437	23.82	23.92	26.88	2.30	29.18	
	2442	24.03	23.35	26.71	2.30	29.01	
	2447	23.20	23.23	26.23	2.30	28.53	
	2452	23.10	22.83	25.98	2.30	28.28	
	2462	22.97	22.41	25.71	2.30	28.01	

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

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

$$\text{Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.2/10})/2] = 2.30 \text{ dBi}$$

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)	Peak Output Power (dBm)		Total Peak Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	E.I.R.P. ^{Note 4} (dBm)	Limit
		Aux	Main				
802.11be- EHT20	2412	21.93	21.23	24.60	2.30	26.90	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	23.90	23.48	26.71	2.30	29.01	
	2442	24.59	23.05	26.90	2.30	29.20	
	2462	24.27	22.89	26.64	2.30	28.94	
	2467	18.31	17.40	20.89	2.30	23.19	
	2472	23.43	22.09	25.82	2.30	28.12	
802.11be- EHT40	2422	22.96	22.87	25.93	2.30	28.23	
	2427	23.55	23.74	26.66	2.30	28.96	
	2432	23.52	23.64	26.59	2.30	28.89	
	2437	23.53	23.85	26.70	2.30	29.00	
	2442	23.57	23.58	26.59	2.30	28.89	
	2447	23.32	23.09	26.22	2.30	28.52	
	2452	22.31	22.67	25.50	2.30	27.80	
	2462	23.05	22.73	25.90	2.30	28.20	

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

$$\text{Directional gain} = 10 \log[(10^{G^1/10} + 10^{G^2/10} + \dots + 10^{G^N/10})/N_{\text{ANT}}] \text{ dBi}$$

$$\text{Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.2/10})/2] = 2.30 \text{ dBi}$$

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 (dBm)	Directional Gain Note 3 (dBi)	E.I.R.P. ^{Note 4} (dBm)	Limit
			Aux	Main				
802.11ax-HE20	2412	26/0	23.82	23.21	26.54	2.30	28.84	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	23.70	23.37	26.55	2.30	28.85	
		106/53	23.61	23.03	26.34	2.30	28.64	
	2472	26/8	16.92	16.03	19.51	2.30	21.81	
		52/40	15.46	14.75	18.13	2.30	20.43	
		106/54	21.40	20.66	24.06	2.30	26.36	
802.11ax-HE40	2422	242/61	22.14	21.51	24.85	2.30	27.15	
	2462	242/62	24.12	24.36	27.25	2.30	29.55	
802.11be-EHT20	2412	26/0	23.96	23.11	26.57	2.30	28.87	
		52/37	22.70	22.84	25.78	2.30	28.08	
		106/53	23.43	22.87	26.17	2.30	28.47	
	2472	26/8	14.78	14.31	17.56	2.30	19.86	
		52/40	14.33	13.74	17.06	2.30	19.36	
		106/54	19.93	19.19	22.59	2.30	24.89	
802.11be-EHT40	2422	242/61	22.58	21.91	25.27	2.30	27.57	
	2462	242/62	24.19	23.23	26.75	2.30	29.05	

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

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

$$\text{Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.2/10})/2] = 2.30 \text{ dBi}$$

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	Aux		
BLE (1Mbps)	2402	14.06	2.20	16.26	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	13.94	2.20	16.14	
	2480	14.04	2.20	16.24	
BLE (2Mbps)	2402	13.92	2.20	16.12	
	2440	13.88	2.20	16.08	
	2480	14.16	2.20	16.36	
BLE (PHY Coded S2)	2402	12.62	2.20	14.82	
	2440	12.63	2.20	14.83	
	2480	12.88	2.20	15.08	
BLE (PHY Coded S8)	2402	12.81	2.20	15.01	
	2440	12.71	2.20	14.91	
	2480	12.94	2.20	15.14	

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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Antenna: LUXSHARE-ICT

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)		Max Peak Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) ^{Note 2}	Limit
		Aux	Main		Main	AUX		
802.11b	2412	19.32	20.93	20.93	0.10	1.40	22.33	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	18.99	20.77	20.77	0.10	1.40	22.17	
	2422	19.83	20.91	20.91	0.10	1.40	22.31	
	2442	21.62	20.63	21.62	0.10	1.40	22.03	
	2467	21.04	20.40	21.04	0.10	1.40	21.80	
	2472	18.80	19.52	19.52	0.10	1.40	20.92	
802.11g	2412	23.93	23.20	23.93	0.10	1.40	24.60	
	2417	24.02	23.45	24.02	0.10	1.40	24.85	
	2442	24.61	23.52	24.61	0.10	1.40	24.92	
	2462	24.35	23.44	24.35	0.10	1.40	24.84	
	2467	18.17	21.24	21.24	0.10	1.40	22.64	
	2472	24.38	24.65	24.65	0.10	1.40	26.05	

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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		Aux	Main				
802.11n- HT20	2412	21.90	21.64	24.78	0.80	25.58	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	23.78	23.41	26.61	0.80	27.41	
	2442	24.40	23.59	27.02	0.80	27.82	
	2462	23.97	23.42	26.71	0.80	27.51	
	2467	18.12	17.24	20.71	0.80	21.51	
	2472	22.63	22.91	25.78	0.80	26.58	
802.11n- HT40	2422	22.80	22.55	25.69	0.80	26.49	
	2427	23.07	22.77	25.93	0.80	26.73	
	2432	23.73	23.64	26.70	0.80	27.50	
	2442	24.08	23.97	27.04	0.80	27.84	
	2447	23.62	23.47	26.56	0.80	27.36	
	2452	23.12	23.33	26.24	0.80	27.04	
	2462	23.16	22.71	25.95	0.80	26.75	
802.11ax- HE20	2412	22.23	21.23	24.77	0.80	25.57	
	2417	23.32	23.41	26.38	0.80	27.18	
	2442	23.63	23.45	26.55	0.80	27.35	
	2462	23.32	23.19	26.27	0.80	27.07	
	2467	18.38	17.48	20.96	0.80	21.76	
	2472	23.26	22.54	25.93	0.80	26.73	
802.11ax- HE40	2422	22.92	22.83	25.89	0.80	26.69	
	2427	23.62	23.26	26.45	0.80	27.25	
	2432	24.43	23.79	27.13	0.80	27.93	
	2437	23.82	23.92	26.88	0.80	27.68	
	2442	24.03	23.35	26.71	0.80	27.51	
	2447	23.20	23.23	26.23	0.80	27.03	
	2452	23.10	22.83	25.98	0.80	26.78	
	2462	22.97	22.41	25.71	0.80	26.51	

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 = $10 \log[(10^{0.1/10} + 10^{1.4/10})/2] = 0.8$ 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)	Peak Output Power (dBm)		Total Peak Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	E.I.R.P ^{Note 4} (dBm)	Limit
		Aux	Main				
802.11be- EHT20	2412	21.93	21.23	24.60	0.80	25.40	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	23.90	23.48	26.71	0.80	27.51	
	2442	24.59	23.05	26.90	0.80	27.70	
	2462	24.27	22.89	26.64	0.80	27.44	
	2467	18.31	17.40	20.89	0.80	21.69	
	2472	23.43	22.09	25.82	0.80	26.62	
802.11be- EHT40	2422	22.96	22.87	25.93	0.80	26.73	
	2427	23.55	23.74	26.66	0.80	27.46	
	2432	23.52	23.64	26.59	0.80	27.39	
	2437	23.53	23.85	26.70	0.80	27.50	
	2442	23.57	23.58	26.59	0.80	27.39	
	2447	23.32	23.09	26.22	0.80	27.02	
	2452	22.31	22.67	25.50	0.80	26.30	
	2462	23.05	22.73	25.90	0.80	26.70	

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 = $10 \log[(10^{0.1/10} + 10^{1.4/10})/2] = 0.8$ 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 (dBm)	Directional Gain Note 3 (dBi)	E.I.R.P. ^{Note 4} (dBm)	Limit
			Aux	Main				
802.11ax-HE20	2412	26/0	23.82	23.21	26.54	0.80	27.34	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	23.70	23.37	26.55	0.80	27.35	
		106/53	23.61	23.03	26.34	0.80	27.14	
	2472	26/8	16.92	16.03	19.51	0.80	20.31	
		52/40	15.46	14.75	18.13	0.80	18.93	
		106/54	21.40	20.66	24.06	0.80	24.86	
802.11ax-HE40	2422	242/61	22.14	21.51	24.85	0.80	25.65	
	2462	242/62	24.12	24.36	27.25	0.80	28.05	
802.11be-EHT20	2412	26/0	23.96	23.11	26.57	0.80	27.37	
		52/37	22.70	22.84	25.78	0.80	26.58	
		106/53	23.43	22.87	26.17	0.80	26.97	
	2472	26/8	14.78	14.31	17.56	0.80	18.36	
		52/40	14.33	13.74	17.06	0.80	17.86	
		106/54	19.93	19.19	22.59	0.80	23.39	
802.11be-EHT40	2422	242/61	22.58	21.91	25.27	0.80	26.07	
	2462	242/62	24.19	23.23	26.75	0.80	27.55	

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

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

$$\text{Directional gain} = 10 \log[(10^{0.1/10} + 10^{1.4/10})/2] = 0.8 \text{ dBi}$$

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)	Peak Output Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm) ^{Note 2}	Limit
		Aux	Aux		
BLE (1Mbps)	2402	14.06	1.40	15.46	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	13.94	1.40	15.34	
	2480	14.04	1.40	15.44	
BLE (2Mbps)	2402	13.92	1.40	15.32	
	2440	13.88	1.40	15.28	
	2480	14.16	1.40	15.56	
BLE (PHY Coded S2)	2402	12.62	1.40	14.02	
	2440	12.63	1.40	14.03	
	2480	12.88	1.40	14.28	
BLE (PHY Coded S8)	2402	12.81	1.40	14.21	
	2440	12.71	1.40	14.11	
	2480	12.94	1.40	14.34	

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)

Antenna: INPAQ

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Max Average Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) ^{Note 2}	Limit
		Aux	Main			Main	AUX		
802.11b	2412	17.20	18.77	N/A	18.77	2.40	2.20	20.97	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.39	18.55		18.55	2.40	2.20	20.75	
	2422	17.42	18.91		18.91	2.40	2.20	21.11	
	2442	18.92	18.85		18.92	2.40	2.20	21.32	
	2467	18.36	17.96		18.36	2.40	2.20	20.76	
	2472	16.53	16.40		16.53	2.40	2.20	18.93	
802.11g	2412	18.94	18.26	N/A	18.94	2.40	2.20	21.34	
	2417	18.29	18.68		18.68	2.40	2.20	20.88	
	2442	18.36	17.82		18.36	2.40	2.20	20.76	
	2462	18.32	18.14		18.32	2.40	2.20	20.72	
	2467	13.10	15.24		15.24	2.40	2.20	17.44	
	2472	13.06	13.30		13.30	2.40	2.20	15.50	

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

2. E.I.R.P.= The Max. of Average 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)	Total Average Output Power ^{Note 2} (dBm)	Directional Gain ^{Note 3} (dBi)	Average Output Power (E.I.R.P.) ^{Note 4} (dBm)	Limit
		Aux	Main					
802.11n-HT20	2412	16.84	17.12	N/A	19.99	2.30	22.29	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	18.82	18.75		21.80	2.30	24.10	
	2442	18.73	18.66		21.71	2.30	24.01	
	2462	17.86	12.02		18.87	2.30	21.17	
	2467	12.89	12.07		15.51	2.30	17.81	
	2472	12.22	11.75		15.00	2.30	17.30	
802.11n-HT40	2422	16.69	15.84	N/A	19.30	2.30	21.60	
	2427	17.02	16.83		19.94	2.30	22.24	
	2432	17.83	17.62		20.74	2.30	23.04	
	2442	18.07	17.76		20.93	2.30	23.23	
	2447	16.84	16.67		19.77	2.30	22.07	
	2452	16.79	16.88		19.85	2.30	22.15	
	2462	12.49	11.57		15.06	2.30	17.36	
802.11ax-HE20	2412	16.90	16.35	N/A	19.64	2.30	21.94	
	2417	18.64	18.61		21.64	2.30	23.94	
	2442	18.57	17.92		21.27	2.30	23.57	
	2462	17.84	17.48		20.67	2.30	22.97	
	2472	11.63	11.38		14.52	2.30	16.82	
802.11ax-HE40	2422	17.70	16.89	N/A	20.32	2.30	22.62	
	2427	17.64	17.89		20.78	2.30	23.08	
	2432	17.76	17.84		20.81	2.30	23.11	
	2437	17.82	17.84		20.84	2.30	23.14	
	2442	17.12	17.82		20.49	2.30	22.79	
	2447	17.10	17.00		20.06	2.30	22.36	
	2452	16.70	17.14		19.94	2.30	22.24	
	2462	12.48	11.51		15.03	2.30	17.33	

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

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

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

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

$$\text{Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.2/10})/2] = 2.30 \text{ dBi}$$

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 Average Output Power (dBm)+ Directional Gain (dBi).

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Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB)	Total Average Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) ^{Note 4} (dBm)	Limit
		Aux	Main					
802.11be-EHT20	2412	16.90	15.60	N/A	19.31	2.30	21.61	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	18.37	18.79		21.60	2.30	23.90	
	2442	18.75	18.55		21.66	2.30	23.96	
	2462	18.17	17.91		21.05	2.30	23.35	
	2472	11.92	11.30		14.63	2.30	16.93	
802.11be-EHT40	2422	16.94	16.52	N/A	19.75	2.30	22.05	
	2427	16.96	17.05		20.02	2.30	22.32	
	2432	17.11	17.38		20.26	2.30	22.56	
	2437	17.16	17.13		20.16	2.30	22.46	
	2442	17.14	17.29		20.23	2.30	22.53	
	2447	16.70	16.70		19.71	2.30	22.01	
	2452	16.45	16.59		19.53	2.30	21.83	
	2462	12.52	11.50		15.05	2.30	17.35	

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

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

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

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

$$\text{Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.2/10})/2] = 2.30 \text{ dBi}$$

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 Average 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 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) ^{Note}	Limit
			Aux	Main					
802.11ax-HE20	2412	26/0	18.29	18.78	N/A	21.55	2.30	23.85	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	18.79	18.47	N/A	21.64	2.30	23.94	
		106/53	18.67	18.43	N/A	21.56	2.30	23.86	
	2472	26/8	2.88	2.48	N/A	5.69	2.30	7.99	
		52/40	1.83	1.34	N/A	4.60	2.30	6.90	
		106/54	8.22	8.29	N/A	11.27	2.30	13.57	
802.11ax-HE40	2422	242/61	17.23	16.75	N/A	20.01	2.30	22.31	
	2462	242/62	12.28	11.64	N/A	14.98	2.30	17.28	
802.11be-EHT20	2412	26/0	18.74	18.47	N/A	21.62	2.30	23.92	
		52/37	18.54	18.13	N/A	21.35	2.30	23.65	
		106/53	18.73	18.70	N/A	21.73	2.30	24.03	
	2472	26/8	2.63	1.86	N/A	5.27	2.30	7.57	
		52/40	2.36	1.35	N/A	4.89	2.30	7.19	
		106/54	8.03	7.47	N/A	10.77	2.30	13.07	
802.11be-EHT40	2422	242/61	17.54	16.88	N/A	20.23	2.30	22.53	
	2462	242/62	11.93	11.43	N/A	14.70	2.30	17.00	

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

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

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

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

$$\text{Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.2/10})/2] = 2.30 \text{ dBi}$$

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 Average Output Power (dBm)+ Directional Gain (dBi).

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Antenna: LUXSHARE-ICT

Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB) 10log (1/x)	Max Average Output Power (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) ^{Note 2}	Limit
		Aux	Main			Main	AUX		
802.11b	2412	17.20	18.77	N/A	18.77	0.10	1.40	20.17	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.39	18.55		18.55	0.10	1.40	19.95	
	2422	17.42	18.91		18.91	0.10	1.40	20.31	
	2442	18.92	18.85		18.92	0.10	1.40	20.25	
	2467	18.36	17.96		18.36	0.10	1.40	19.36	
	2472	16.53	16.40		16.53	0.10	1.40	17.80	
802.11g	2412	18.94	18.26	N/A	18.94	0.10	1.40	19.66	
	2417	18.29	18.68		18.68	0.10	1.40	20.08	
	2442	18.36	17.82		18.36	0.10	1.40	19.22	
	2462	18.32	18.14		18.32	0.10	1.40	19.54	
	2467	13.10	15.24		15.24	0.10	1.40	16.64	
	2472	13.06	13.30		13.30	0.10	1.40	14.70	

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

2. E.I.R.P.= The Max. of Average 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)	Total Average Output Power ^{Note 2} (dBm)	Directional Gain ^{Note 3} (dBi)	Average Output Power (E.I.R.P.) ^{Note 4} (dBm)	Limit
		Aux	Main					
802.11n-HT20	2412	16.84	17.12	N/A	19.99	0.80	20.79	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	18.82	18.75		21.80	0.80	22.60	
	2442	18.73	18.66		21.71	0.80	22.51	
	2462	17.86	12.02		18.87	0.80	19.67	
	2467	12.89	12.07		15.51	0.80	16.31	
	2472	12.22	11.75		15.00	0.80	15.80	
802.11n-HT40	2422	16.69	15.84	N/A	19.30	0.80	20.10	
	2427	17.02	16.83		19.94	0.80	20.74	
	2432	17.83	17.62		20.74	0.80	21.54	
	2442	18.07	17.76		20.93	0.80	21.73	
	2447	16.84	16.67		19.77	0.80	20.57	
	2452	16.79	16.88		19.85	0.80	20.65	
	2462	12.49	11.57		15.06	0.80	15.86	
802.11ax-HE20	2412	16.90	16.35	N/A	19.64	0.80	20.44	
	2417	18.64	18.61		21.64	0.80	22.44	
	2442	18.57	17.92		21.27	0.80	22.07	
	2462	17.84	17.48		20.67	0.80	21.47	
	2472	11.63	11.38		14.52	0.80	15.32	
802.11ax-HE40	2422	17.70	16.89	N/A	20.32	0.80	21.12	
	2427	17.64	17.89		20.78	0.80	21.58	
	2432	17.76	17.84		20.81	0.80	21.61	
	2437	17.82	17.84		20.84	0.80	21.64	
	2442	17.12	17.82		20.49	0.80	21.29	
	2447	17.10	17.00		20.06	0.80	20.86	
	2452	16.70	17.14		19.94	0.80	20.74	
	2462	12.48	11.51		15.03	0.80	15.83	

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

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

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

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

$$\text{Directional gain} = 10 \log[(10^{0.1/10} + 10^{1.4/10})/2] = 0.8 \text{ dBi}$$

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 Average Output Power (dBm)+ Directional Gain (dBi).

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Mode	Centre Frequency (MHz)	Average Output Power (dBm)		Duty cycle factor (dB)	Total Average Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) ^{Note 4} (dBm)	Limit
		Aux	Main					
802.11be-EHT20	2412	16.90	15.60	N/A	19.31	0.80	20.11	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	18.37	18.79		21.60	0.80	22.40	
	2442	18.75	18.55		21.66	0.80	22.46	
	2462	18.17	17.91		21.05	0.80	21.85	
	2472	11.92	11.30		14.63	0.80	15.43	
802.11be-EHT40	2422	16.94	16.52	N/A	19.75	0.80	20.55	
	2427	16.96	17.05		20.02	0.80	20.82	
	2432	17.11	17.38		20.26	0.80	21.06	
	2437	17.16	17.13		20.16	0.80	20.96	
	2442	17.14	17.29		20.23	0.80	21.03	
	2447	16.70	16.70		19.71	0.80	20.51	
	2452	16.45	16.59		19.53	0.80	20.33	
	2462	12.52	11.50		15.05	0.80	15.85	

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

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

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

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

$$\text{Directional gain} = 10 \log[(10^{0.1/10} + 10^{1.4/10})/2] = 0.8 \text{ dBi}$$

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 Average 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 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) ^{Note}	Limit
			Aux	Main					
802.11ax-HE20	2412	26/0	18.29	18.78	N/A	21.55	0.80	22.35	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	18.79	18.47	N/A	21.64	0.80	22.44	
		106/53	18.67	18.43	N/A	21.56	0.80	22.36	
	2472	26/8	2.88	2.48	N/A	5.69	0.80	6.49	
		52/40	1.83	1.34	N/A	4.60	0.80	5.40	
		106/54	8.22	8.29	N/A	11.27	0.80	12.07	
802.11ax-HE40	2422	242/61	17.23	16.75	N/A	20.01	0.80	20.81	
	2462	242/62	12.28	11.64	N/A	14.98	0.80	15.78	
802.11be-EHT20	2412	26/0	18.74	18.47	N/A	21.62	0.80	22.42	
		52/37	18.54	18.13	N/A	21.35	0.80	22.15	
		106/53	18.73	18.70	N/A	21.73	0.80	22.53	
	2472	26/8	2.63	1.86	N/A	5.27	0.80	6.07	
		52/40	2.36	1.35	N/A	4.89	0.80	5.69	
		106/54	8.03	7.47	N/A	10.77	0.80	11.57	
802.11be-EHT40	2422	242/61	17.54	16.88	N/A	20.23	0.80	21.03	
	2462	242/62	11.93	11.43	N/A	14.70	0.80	15.50	

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

2. According to KDB 662911 D01 E)1), Total Ave power = sum to individual output power + duty cycle factor (dB), when duty cycle is less than 98%.

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

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

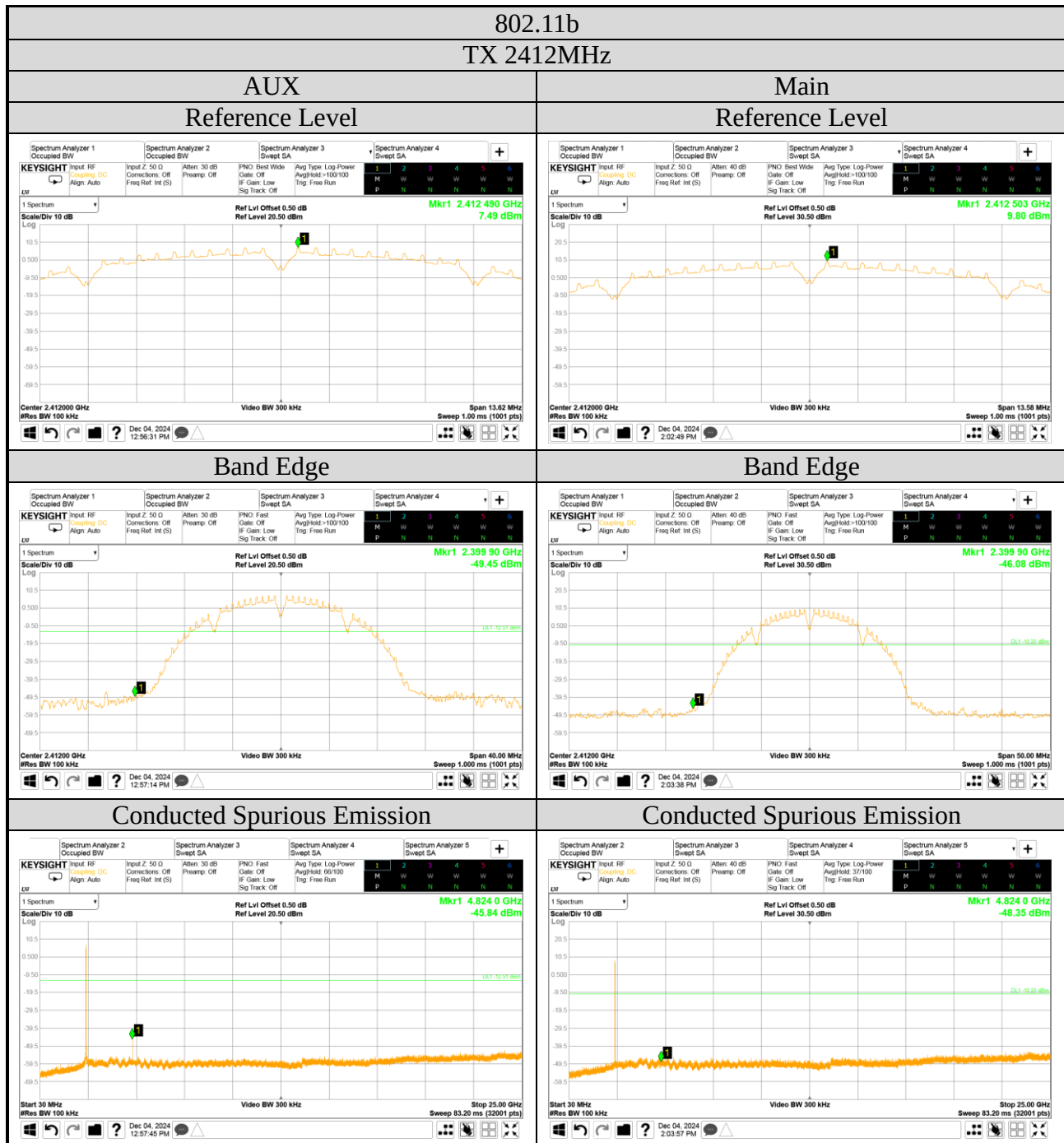
$$\text{Directional gain} = 10 \log[(10^{0.1/10} + 10^{1.4/10})/2] = 0.8 \text{ dBi}$$

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 Average Output Power (dBm)+ Directional Gain (dBi).

A.5 EMISSION LIMITATIONS

Test Date	2024/12/04	Temp./Hum.	23°C/56%
Cable Loss	0.5dB	Tested By	Harry Huang
Test Voltage	AC 120V, 60Hz (via AC Adapter)		



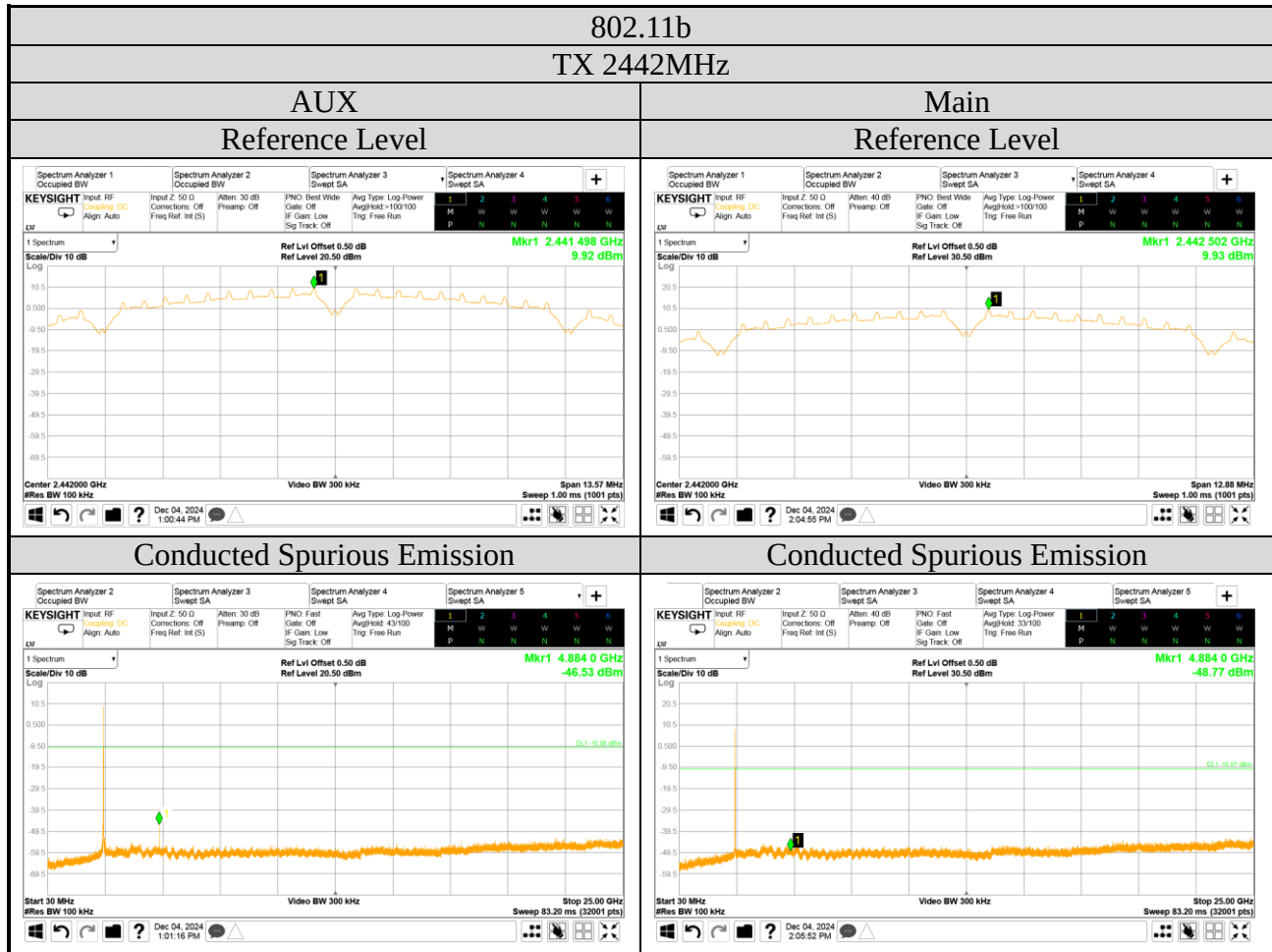
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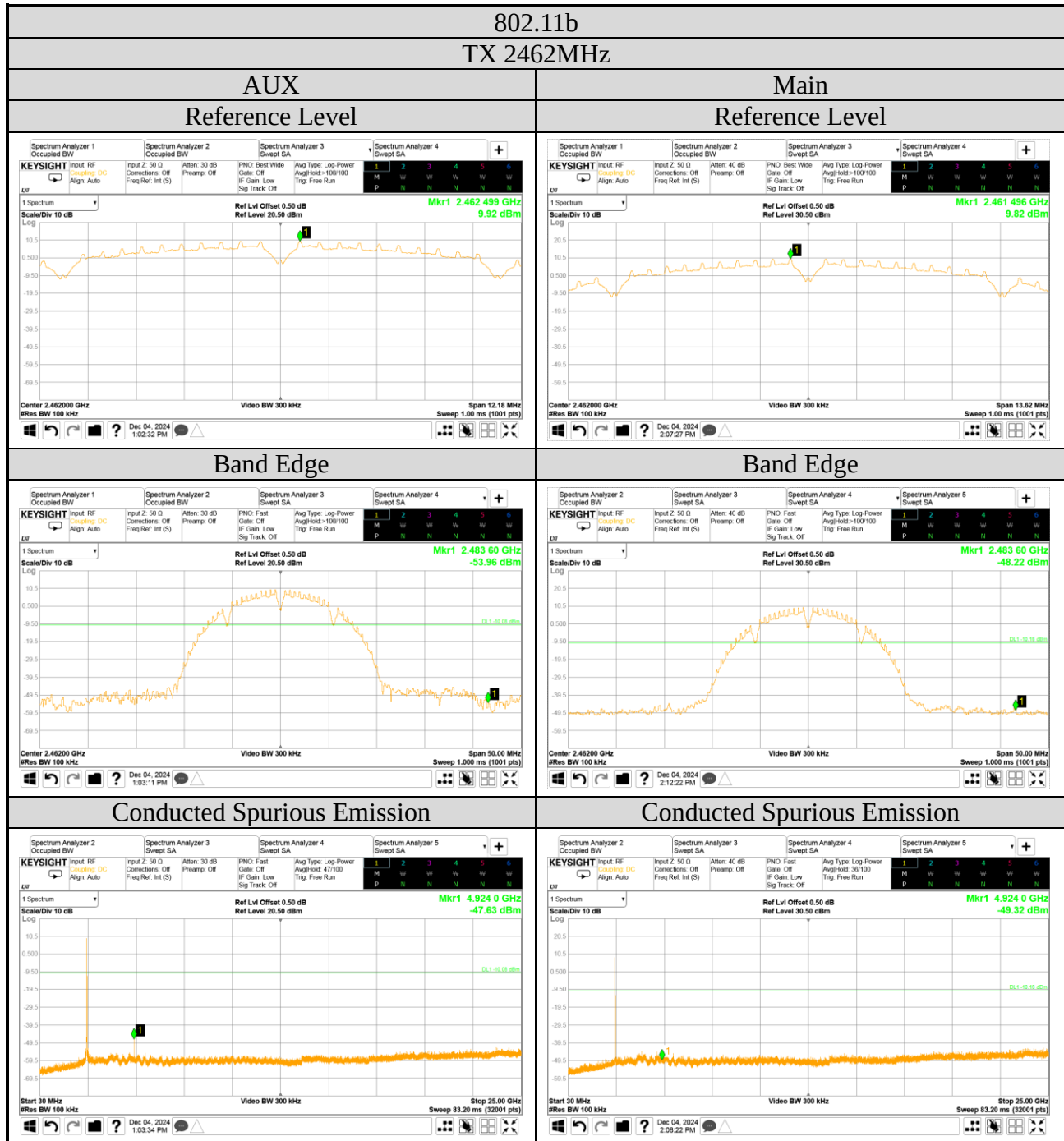
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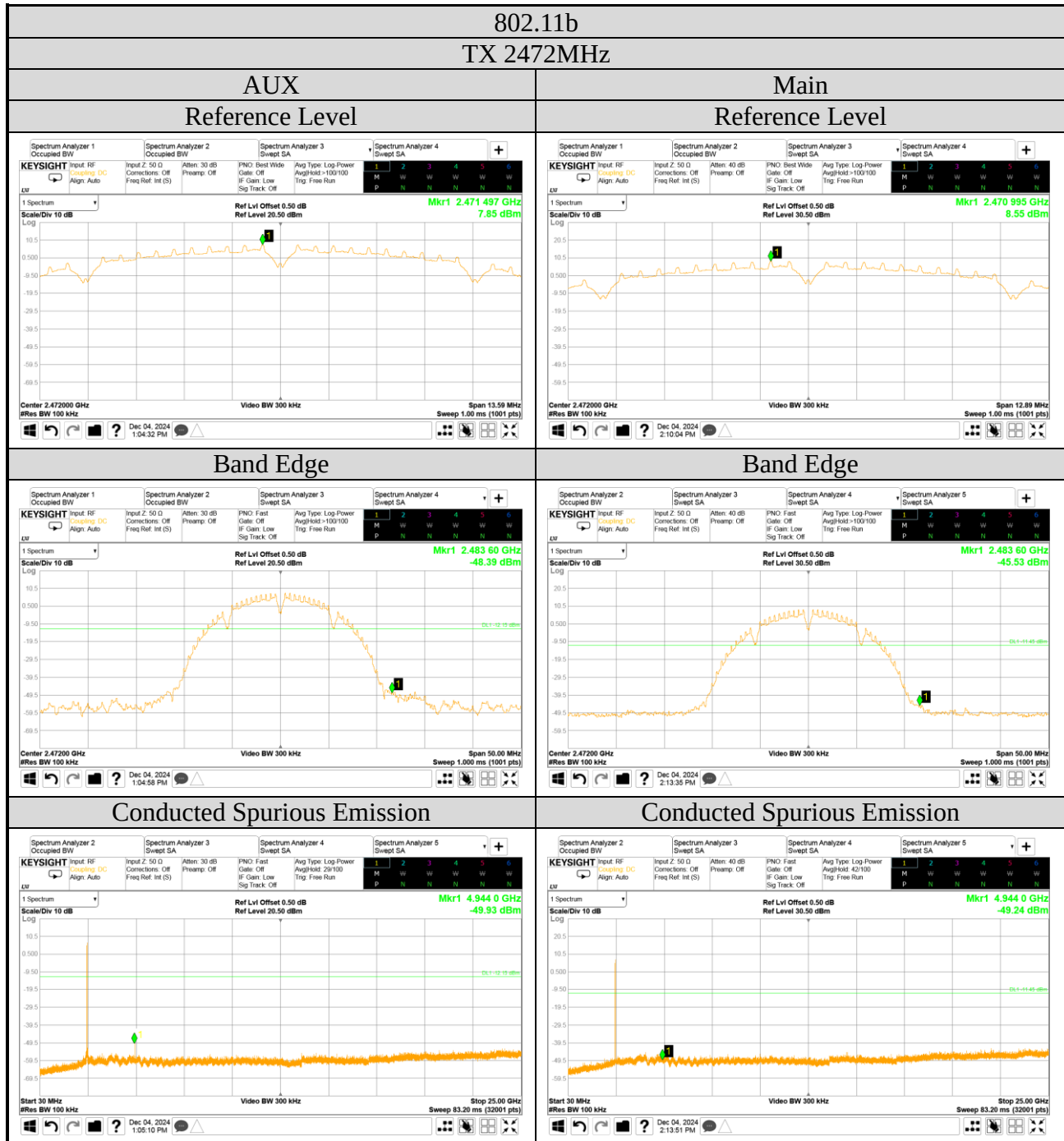
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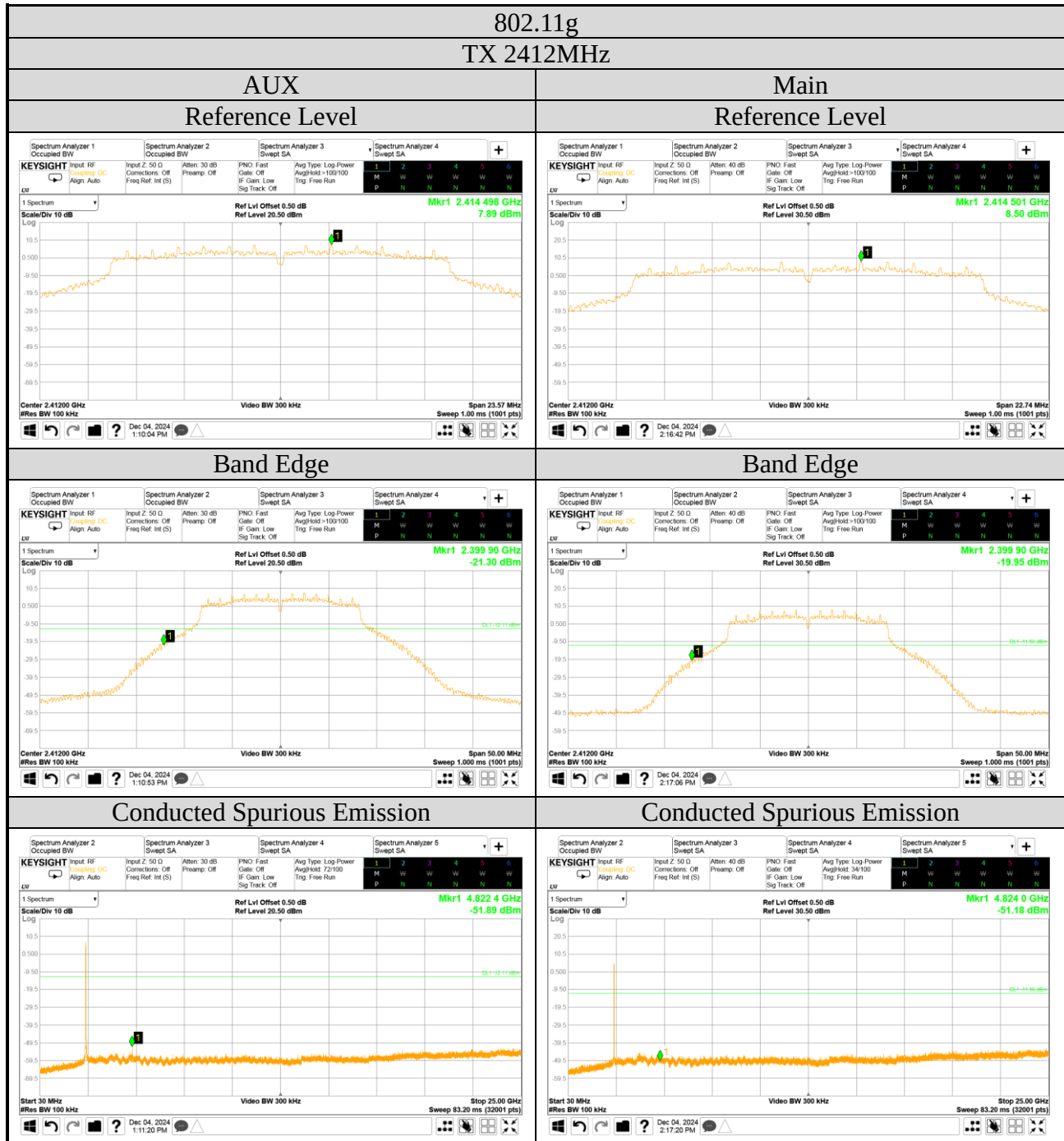






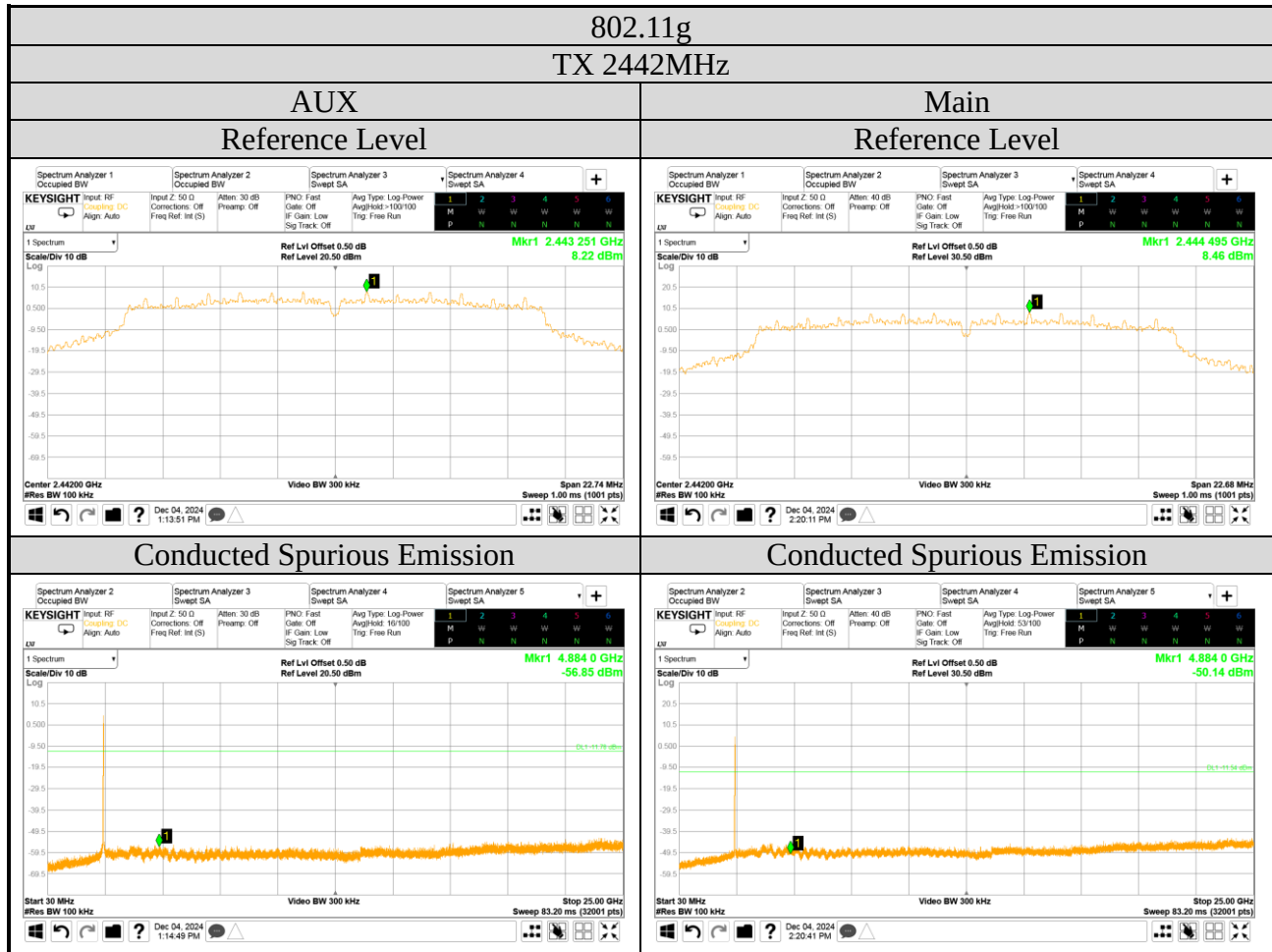
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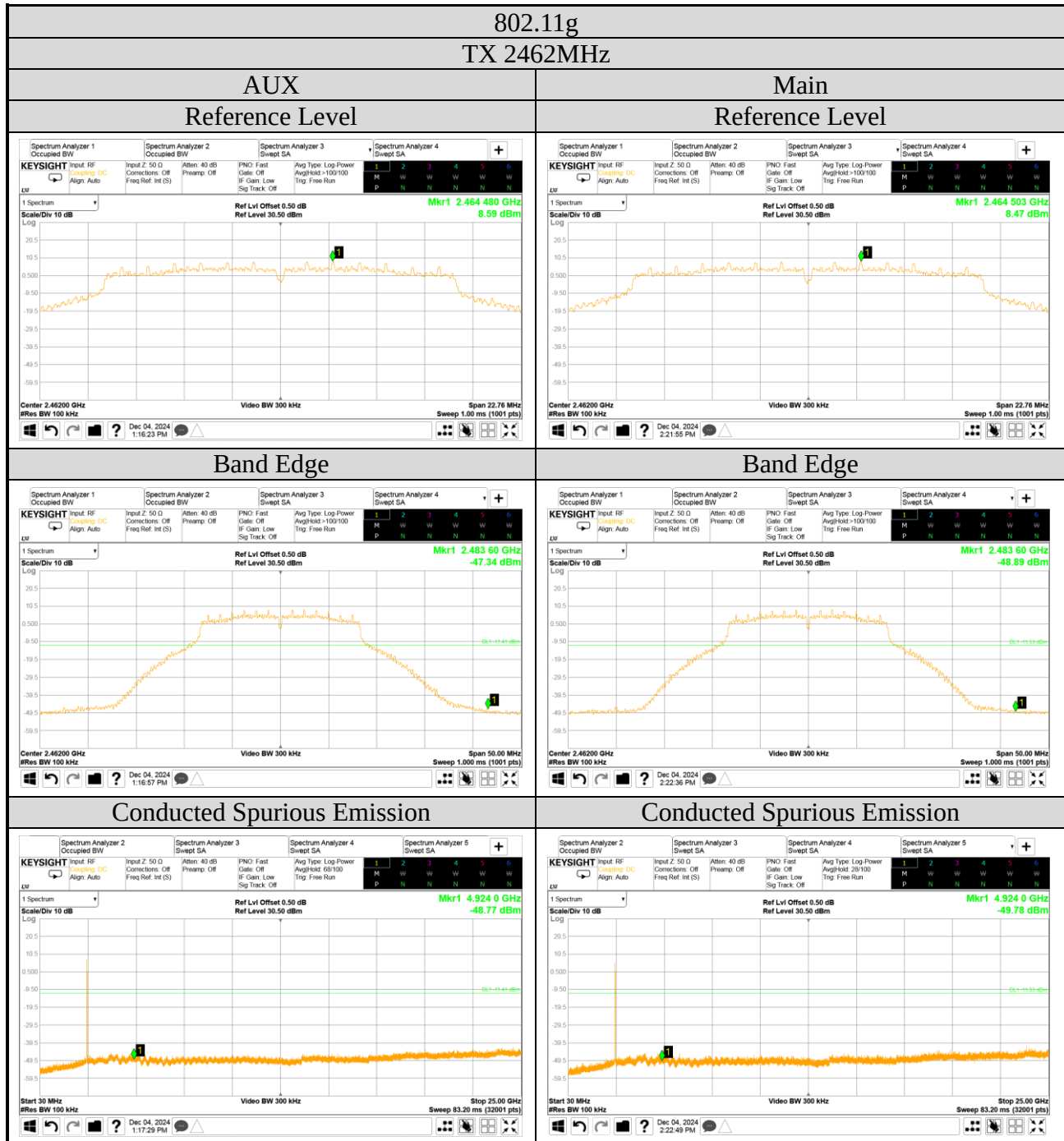
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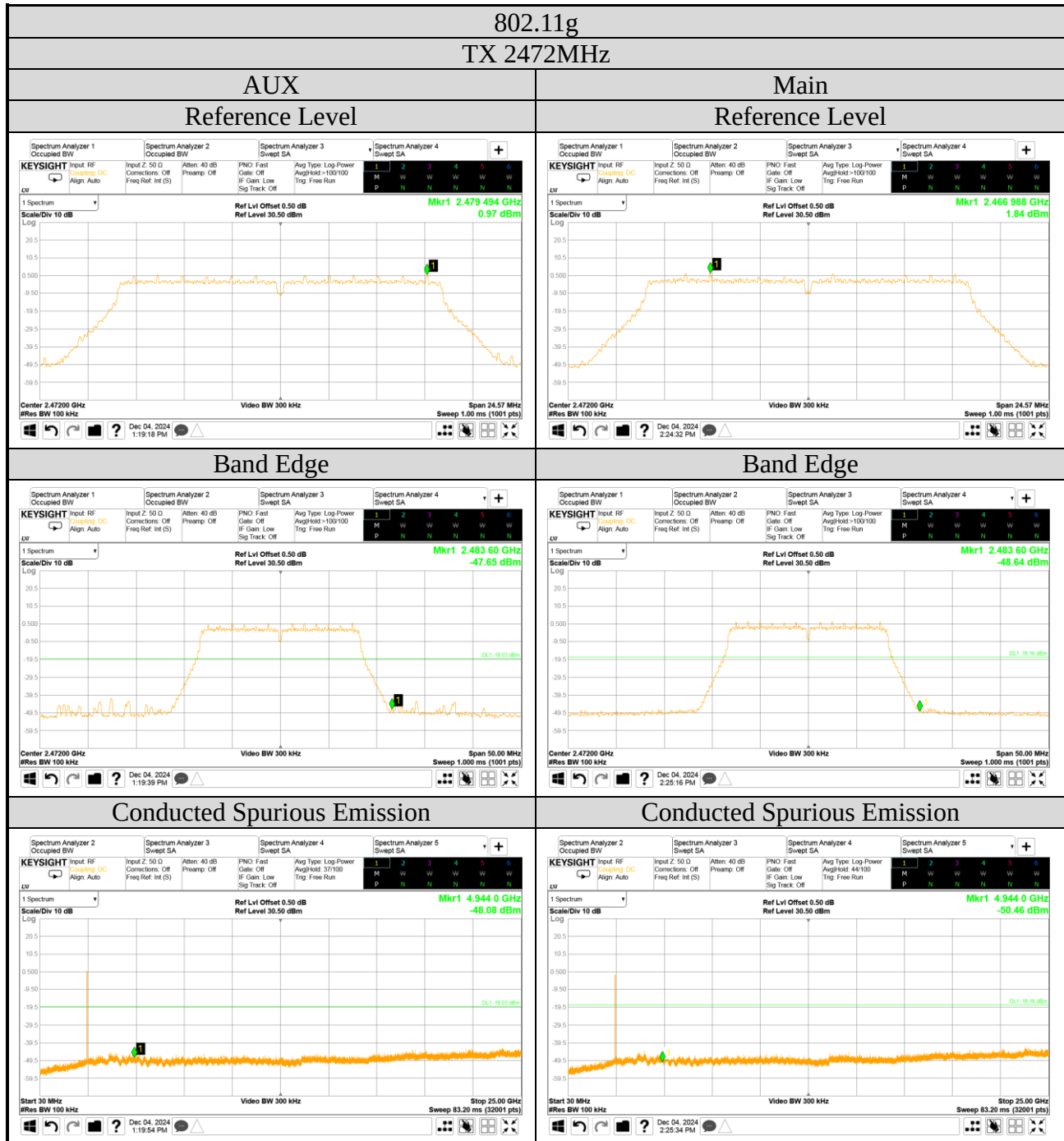
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