

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

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A.3 DTS/OCCUPIED BANDWIDTH

Test Date	2024/10/23 ~ 25	Temp./Hum.	23 ~ 24°C/57 ~ 61%
Cable Loss	0.5dB	Tested By	Ryan Chiang
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	8.60	9.06	13.45	13.48	>500kHz
	2442	9.02	9.06	13.43	13.47	
	2462	9.07	9.05	13.44	13.48	
	2472	9.08	9.08	13.44	13.48	
802.11g	2412	15.35	15.17	16.78	16.75	
	2442	15.35	15.73	16.80	16.75	
	2462	15.35	15.72	16.75	16.70	
	2472	16.38	16.38	16.39	16.39	
802.11n-HT20	2412	15.71	16.35	17.83	17.80	
	2442	15.71	16.33	17.79	17.77	
	2462	15.98	16.91	17.81	17.82	
	2472	17.62	17.63	17.56	17.59	
802.11n-HT40	2422	35.17	35.93	36.14	36.14	
	2442	35.18	35.73	36.16	36.07	
	2452	35.17	35.74	36.12	36.04	
	2462	36.41	36.42	36.21	36.17	
802.11ax-HE20	2412	18.15	16.21	18.97	18.99	
	2442	17.68	16.89	18.95	18.96	
	2462	17.41	16.59	18.95	18.95	
	2472	18.69	18.68	18.75	18.76	
802.11ax-HE40	2422	37.15	36.45	37.60	37.61	
	2442	37.21	36.02	37.64	37.57	
	2452	36.44	36.40	37.62	37.58	
	2462	37.98	37.75	37.66	37.62	

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

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Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)		Occupied (99%) Bandwidth (MHz)		Limit
		AUX	Main	AUX	Main	
802.11be-EHT20	2412	18.19	15.69	18.97	18.96	>500kHz
	2442	17.59	17.05	18.95	18.92	
	2462	17.43	16.54	18.96	18.97	
	2472	18.73	18.75	18.73	18.77	
802.11be-EHT40	2422	37.17	37.05	37.63	37.62	
	2442	36.71	35.90	37.62	37.65	
	2452	37.13	35.76	37.61	37.61	
	2462	37.95	37.67	37.63	37.64	

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	0.66	1.01	>500kHz
	2440	0.66	1.01	
	2480	0.66	1.01	
BLE (2Mbps)	2402	1.17	2.03	
	2440	1.17	2.03	
	2480	1.17	2.03	
BLE (PHY Coded S2)	2402	0.66	1.01	
	2440	0.66	1.01	
	2480	0.66	1.01	
BLE (PHY Coded S8)	2402	0.52	1.04	
	2440	0.51	1.05	
	2480	0.51	1.04	

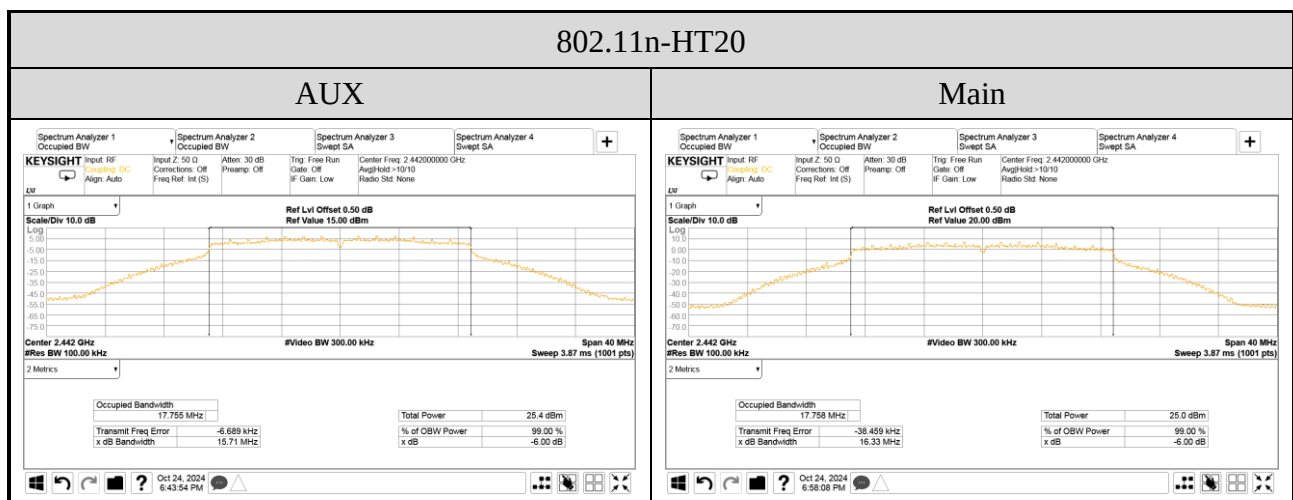
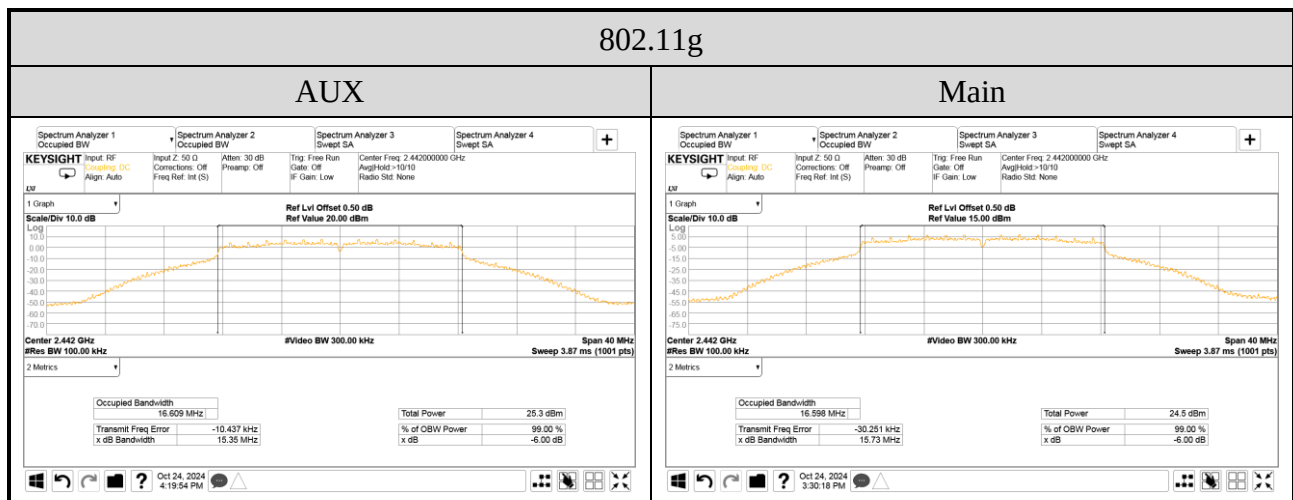
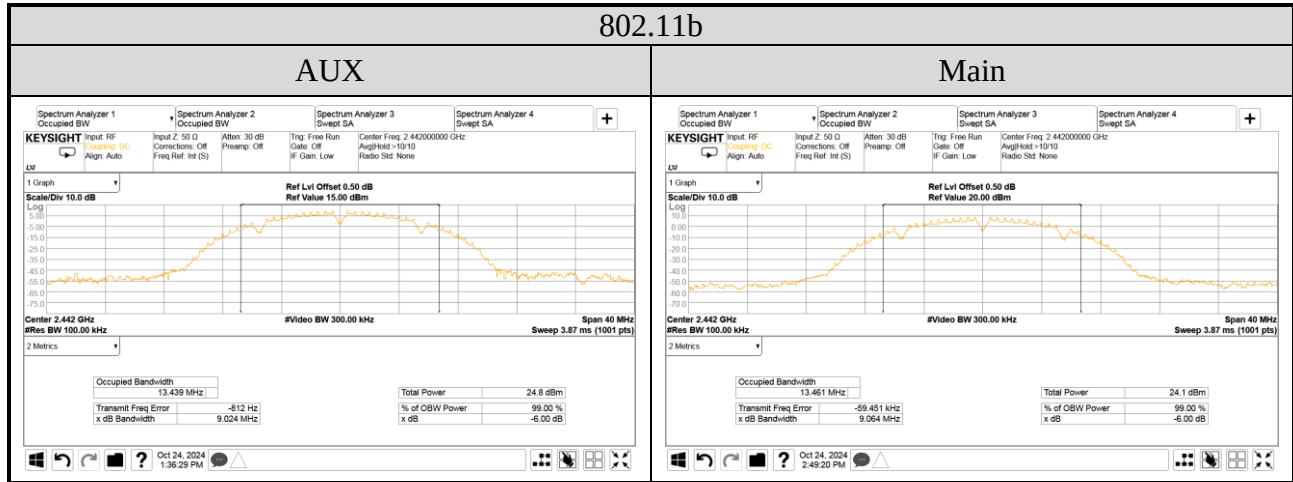
Note: We only presented the middle channel plots for each test mode.

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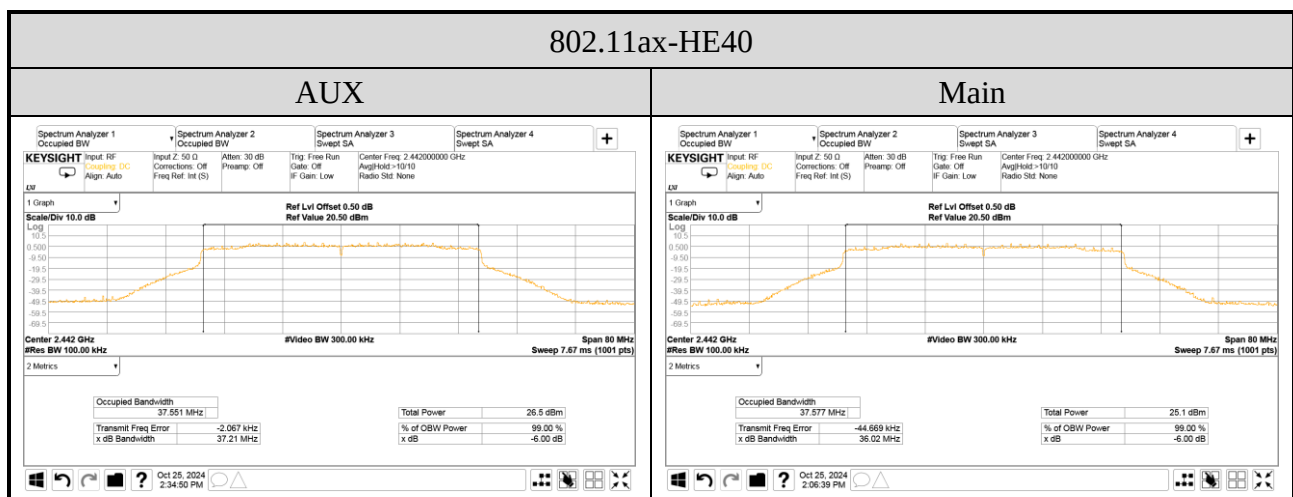
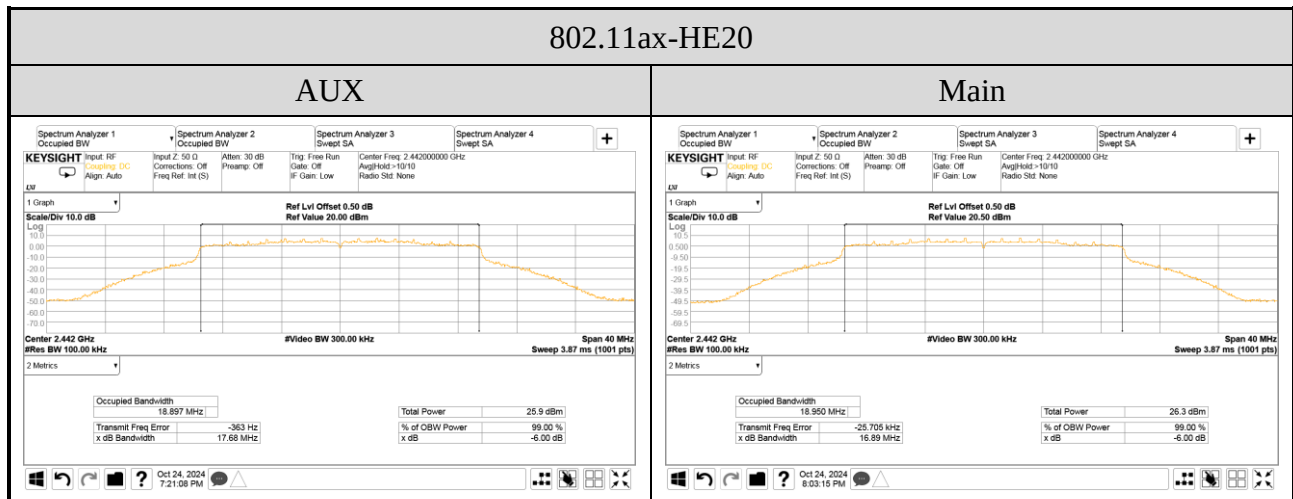
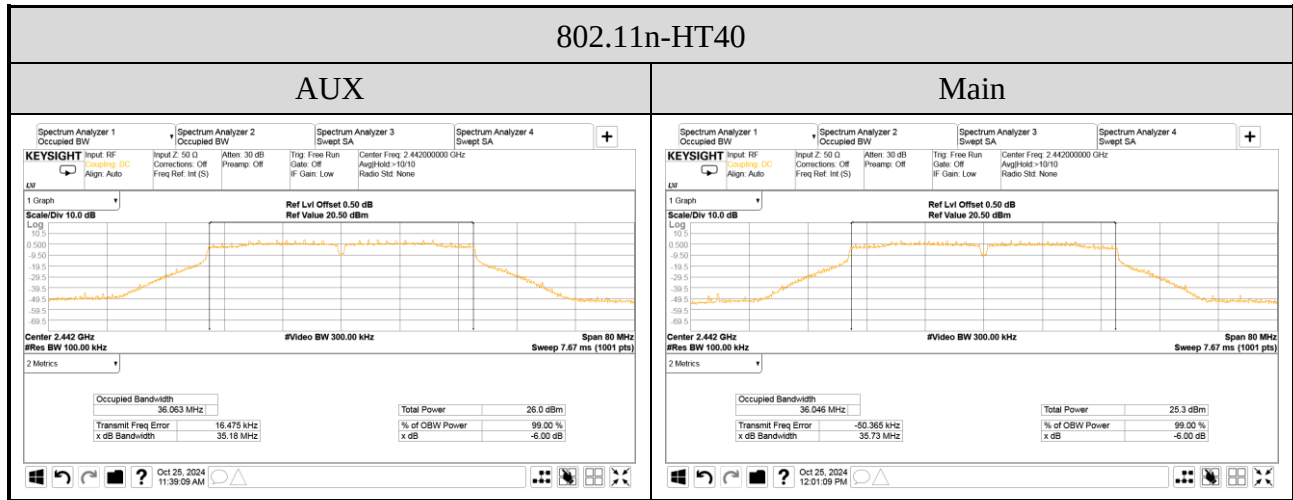
A.3.2 Measurement Plots

● DTS (6dB) Bandwidth



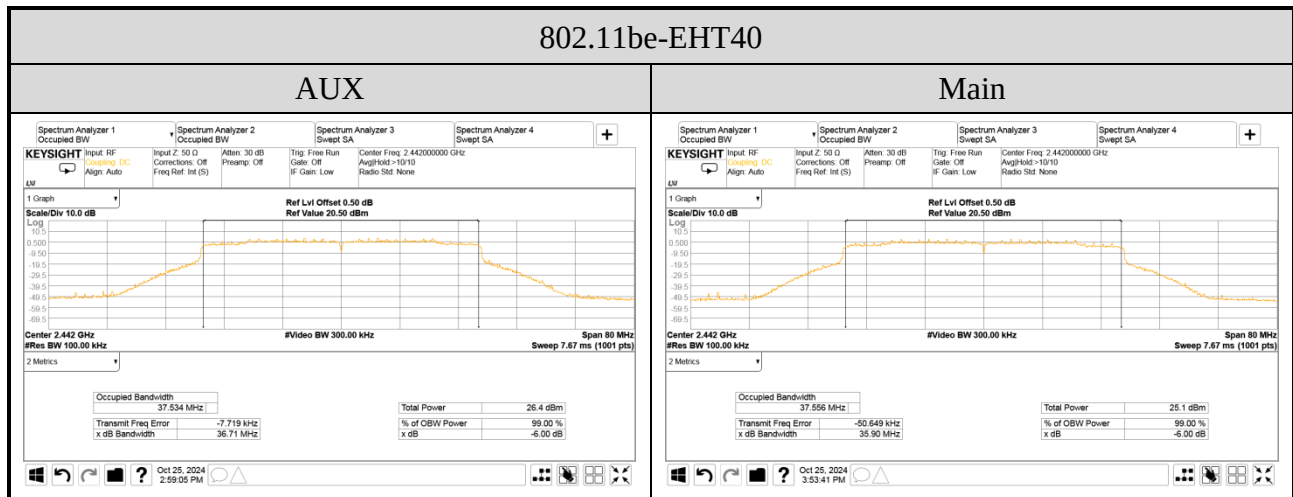
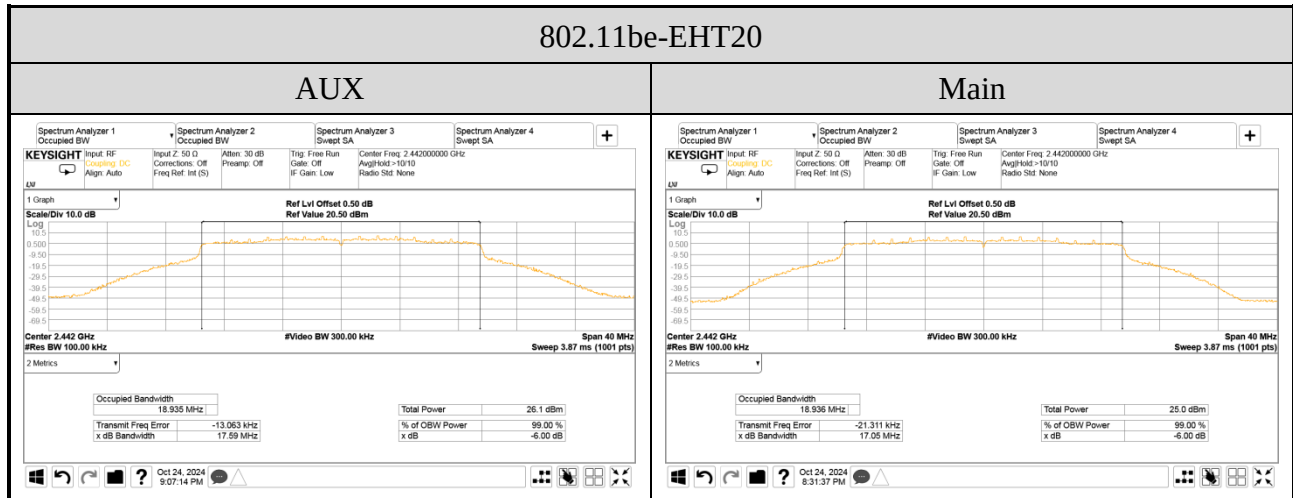
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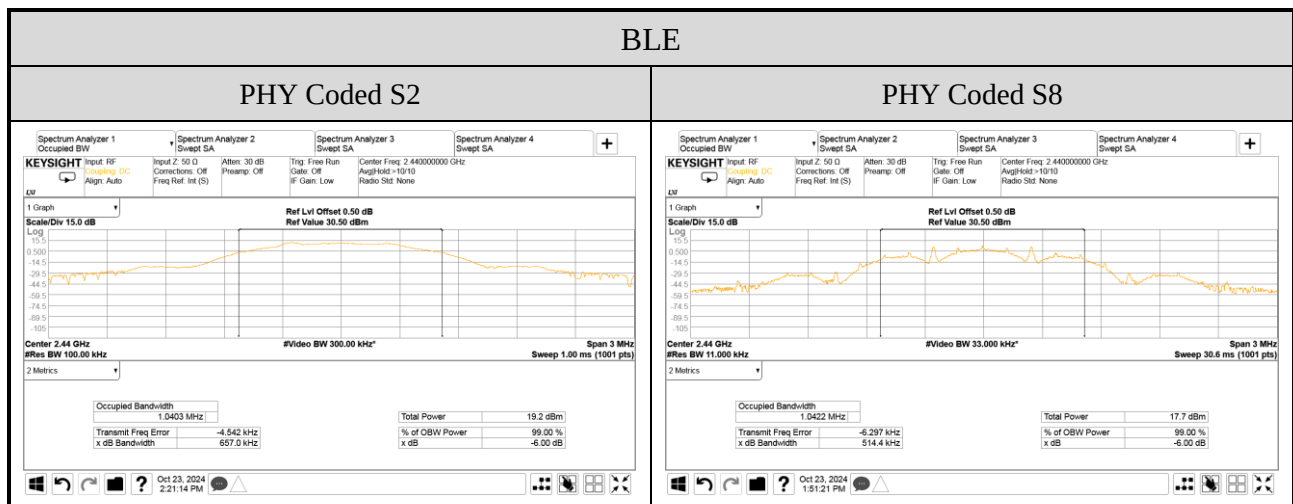
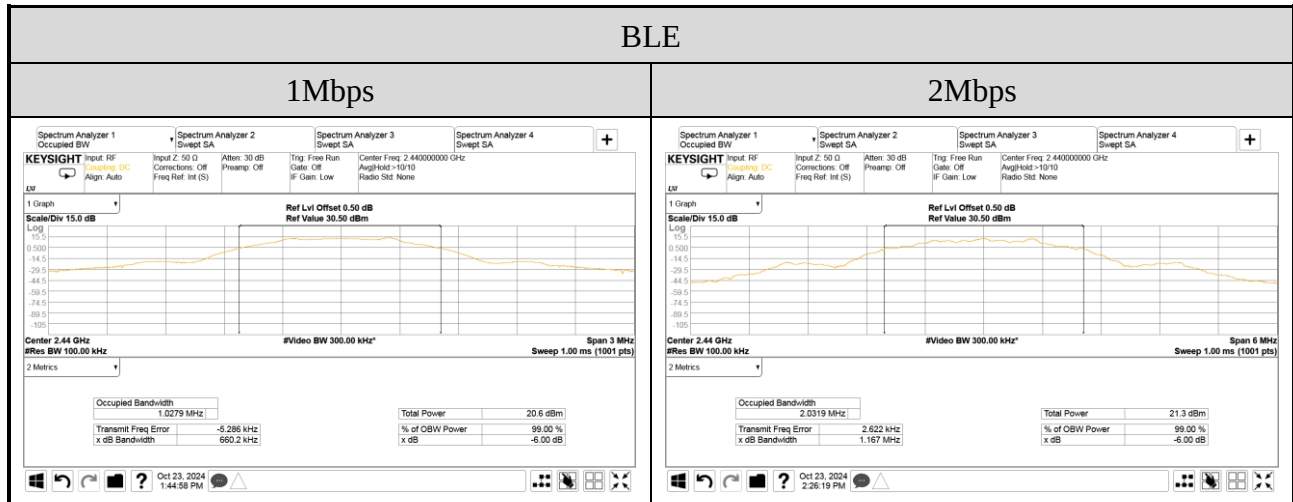
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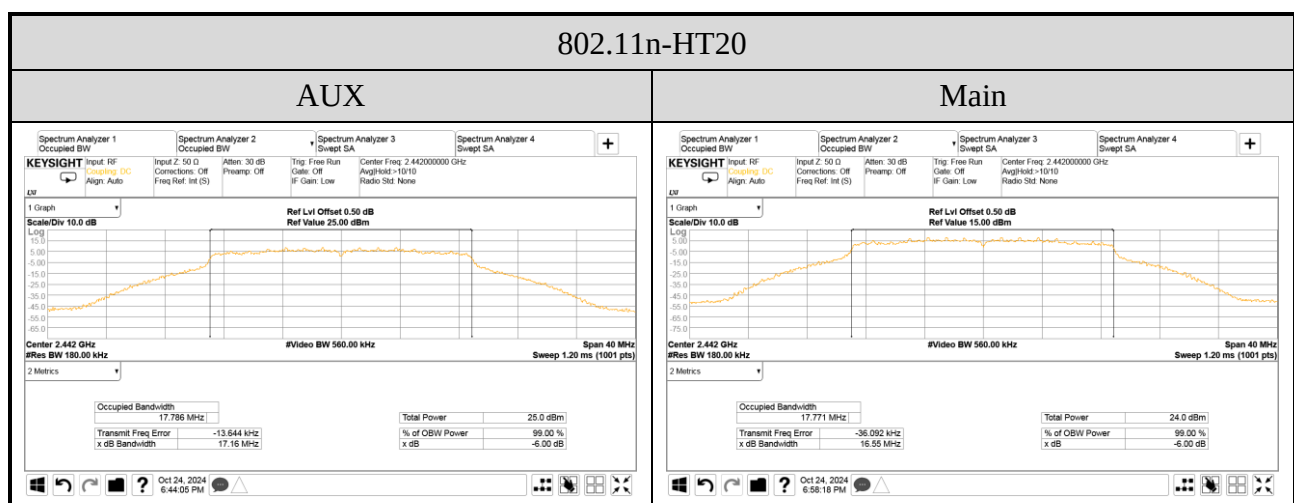
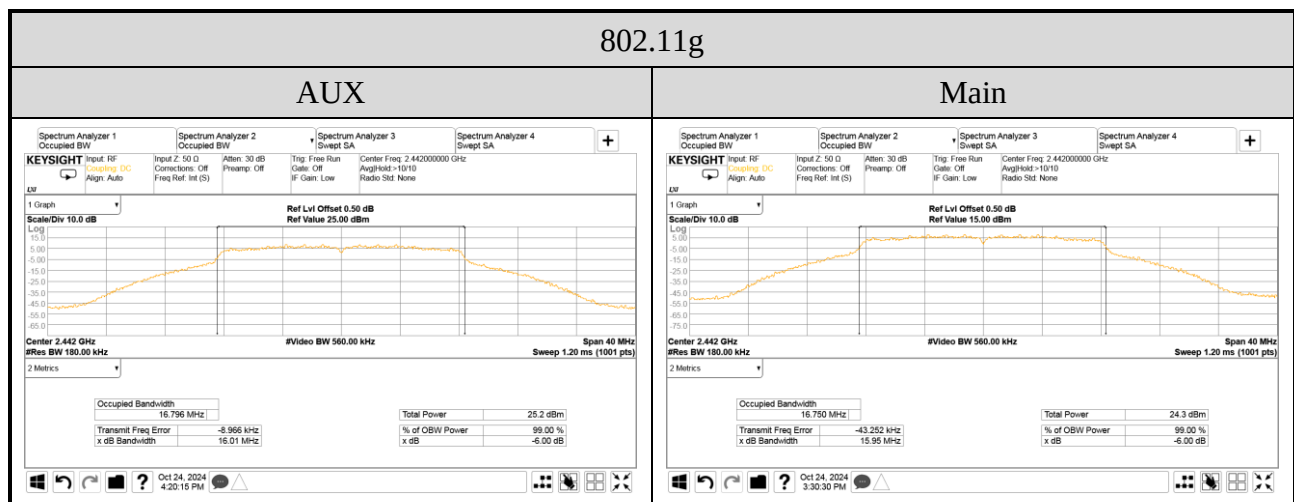
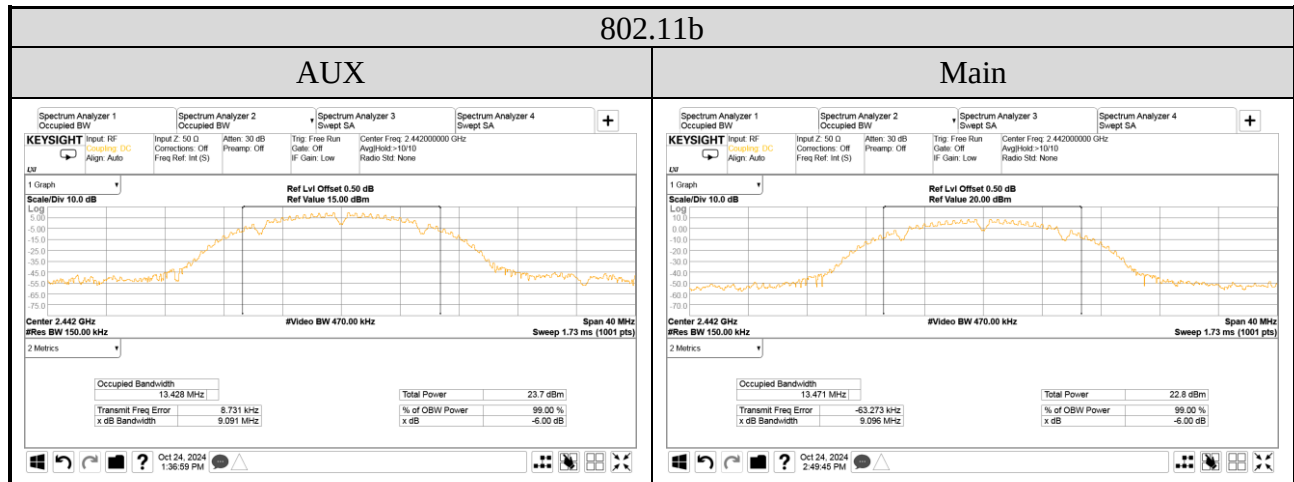


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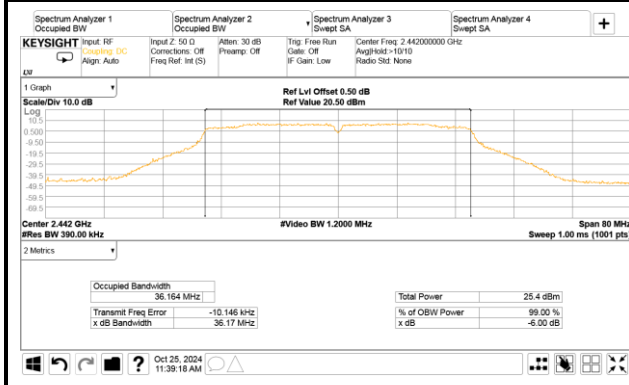


● Occupied (99%) Bandwidth

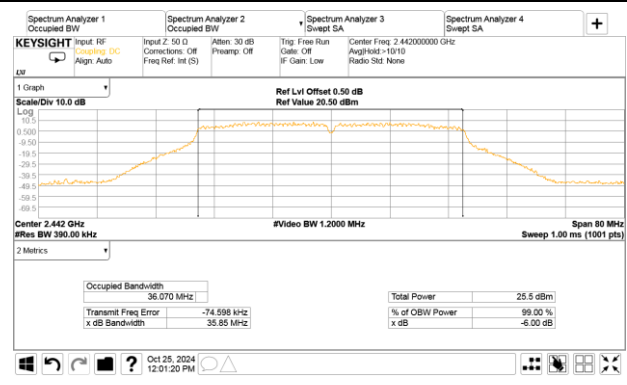


802.11n-HT40

AUX

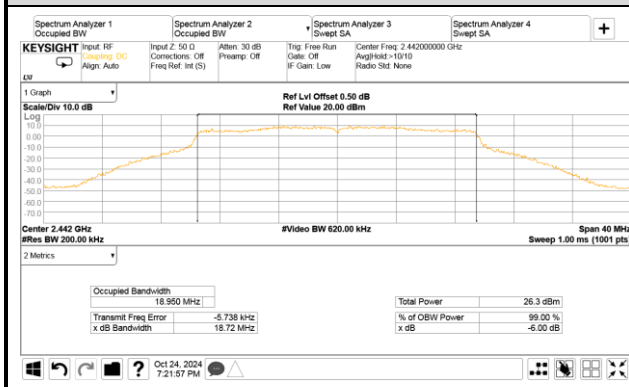


Main

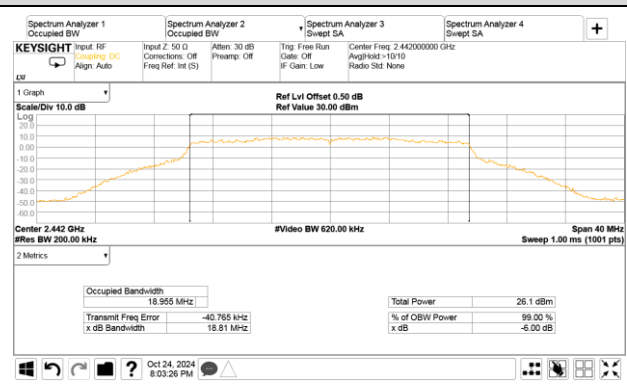


802.11ax-HE20

AUX

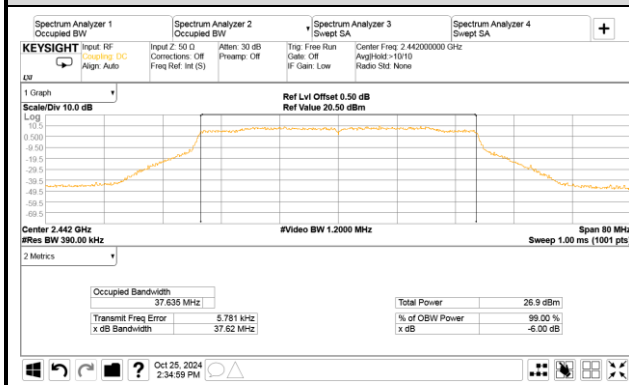


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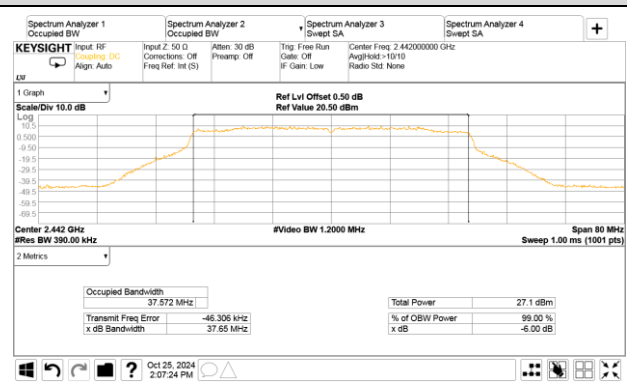


802.11ax-HE40

AUX

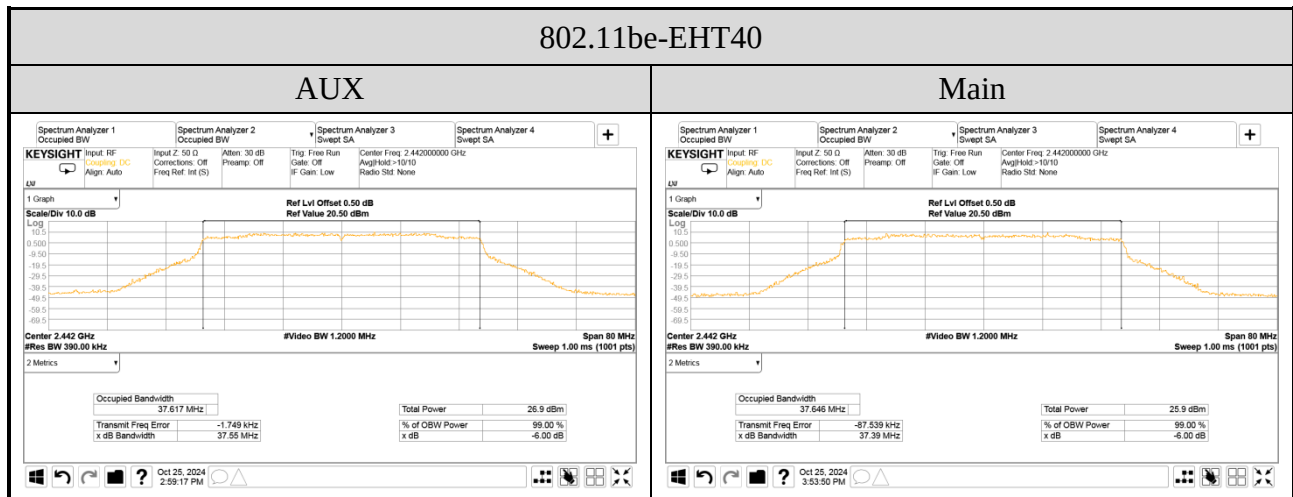
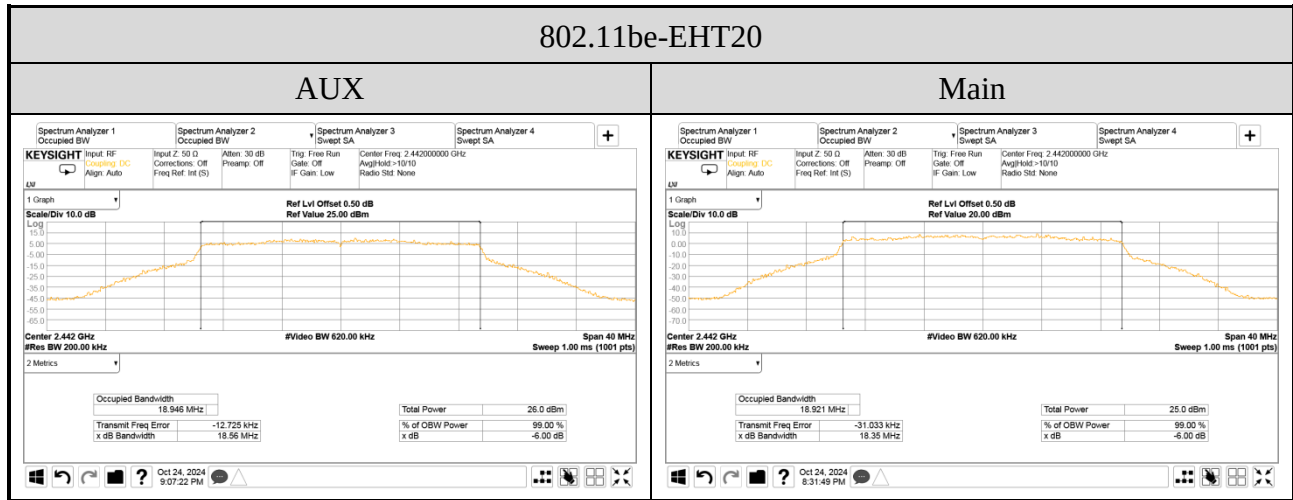


Main



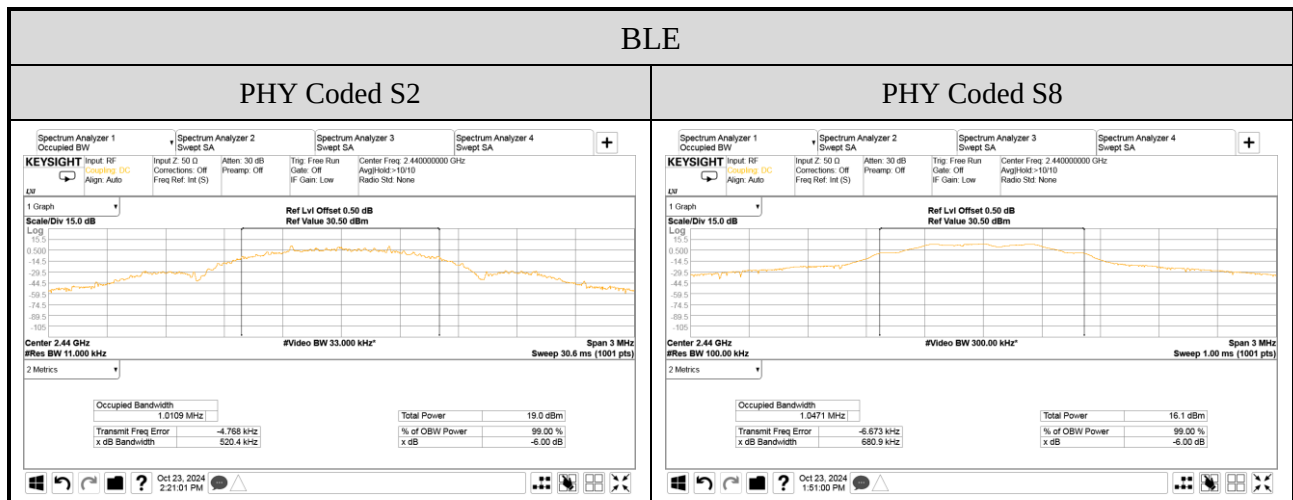
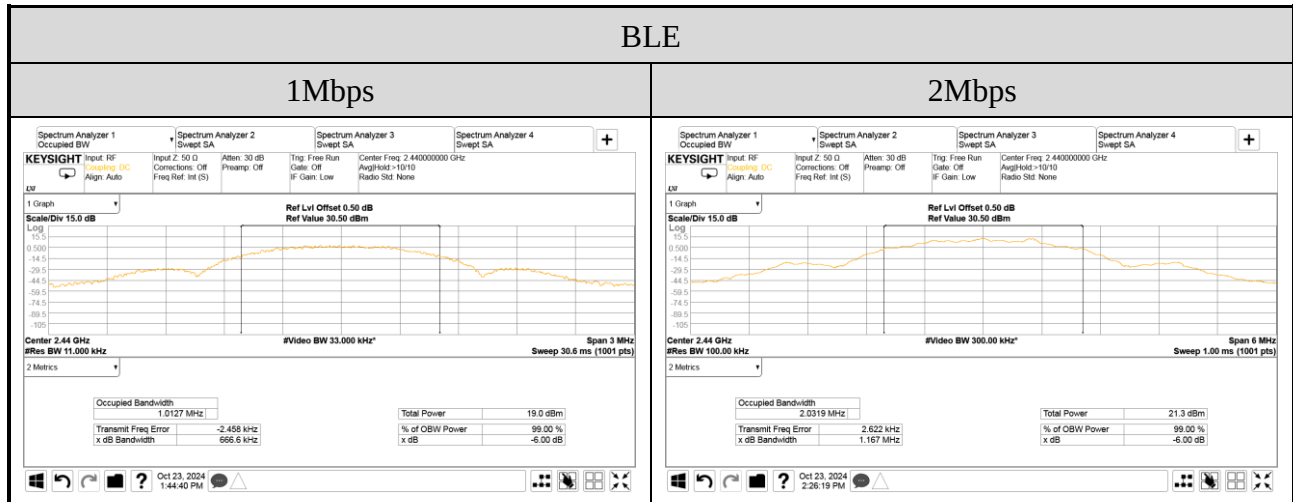
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A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2024/10/23 ~ 11/06	Temp./Hum.	24 °C/57 ~ 59%
Cable Loss	0.5dB	Tested By	Kuper Hsu
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 (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) ^{Note 2}	Limit
		Aux	Main		Aux	Main		
802.11b	2412	19.30	19.79	19.79	2.50	2.10	21.89	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	19.21	19.39	19.39	2.50	2.10	21.71	
	2422	19.96	19.99	19.99	2.50	2.10	22.46	
	2442	20.34	19.68	20.34	2.50	2.10	22.84	
	2467	19.87	19.68	19.87	2.50	2.10	22.37	
	2472	18.70	19.00	19.00	2.50	2.10	21.20	
802.11g	2412	22.98	22.37	22.98	2.50	2.10	25.48	
	2417	22.94	22.21	22.94	2.50	2.10	25.44	
	2442	23.36	22.70	23.36	2.50	2.10	25.86	
	2472	24.16	24.58	24.58	2.50	2.10	26.68	

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	21.06	20.53	23.81	2.30	26.11	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	22.79	22.45	25.63	2.30	27.93	
	2442	23.31	22.41	25.89	2.30	28.19	
	2462	20.42	19.85	23.15	2.30	25.45	
	2467	18.27	17.08	20.73	2.30	23.03	
	2472	22.95	23.02	26.00	2.30	28.30	
802.11n-HT40	2422	19.59	19.45	22.53	2.30	24.83	
	2427	20.37	19.73	23.07	2.30	25.37	
	2432	21.86	21.45	24.67	2.30	26.97	
	2437	23.45	23.18	26.32	2.30	28.62	
	2442	21.80	21.76	24.79	2.30	27.09	
	2447	20.99	20.74	23.87	2.30	26.17	
	2452	19.87	19.90	22.90	2.30	25.20	
	2462	23.24	22.77	26.02	2.30	28.32	
802.11ax- HE20	2412	21.22	20.23	23.76	2.30	26.06	
	2417	22.40	22.36	25.39	2.30	27.69	
	2442	22.65	22.22	25.45	2.30	27.75	
	2462	20.82	20.94	23.89	2.30	26.19	
	2472	23.02	22.32	25.69	2.30	27.99	
802.11ax- HE40	2422	20.02	19.85	22.94	2.30	25.24	
	2427	20.56	20.31	23.45	2.30	25.75	
	2432	22.10	21.97	25.04	2.30	27.34	
	2437	22.94	22.89	25.93	2.30	28.23	
	2442	22.01	21.17	24.62	2.30	26.92	
	2447	20.94	20.78	23.87	2.30	26.17	
	2452	20.36	20.14	23.26	2.30	25.56	
	2462	23.35	22.29	25.86	2.30	28.16	

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

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

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

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	20.86	20.17	23.53	2.30	25.83	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	22.72	22.53	25.64	2.30	27.94	
	2442	23.77	22.41	26.15	2.30	28.45	
	2462	21.52	20.81	24.19	2.30	26.49	
	2472	23.02	22.26	25.67	2.30	27.97	
802.11be-EHT40	2422	19.96	19.78	22.88	2.30	25.18	
	2427	20.40	20.82	23.63	2.30	25.93	
	2432	21.65	21.72	24.69	2.30	26.99	
	2437	22.84	22.84	25.85	2.30	28.15	
	2442	21.77	21.39	24.59	2.30	26.89	
	2447	21.22	20.91	24.08	2.30	26.38	
	2452	20.74	20.05	23.42	2.30	25.72	
	2462	22.95	22.76	25.87	2.30	28.17	

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	23.05	22.31	25.71	2.30	28.01	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	22.92	22.07	25.53	2.30	27.83	
		106/53	22.65	22.12	25.40	2.30	27.70	
	2472	26/8	16.76	16.05	19.43	2.30	21.73	
		52/40	15.36	14.73	18.07	2.30	20.37	
		106/54	21.30	20.55	23.95	2.30	26.25	
802.11ax-HE40	2422	242/61	22.20	21.34	24.80	2.30	27.10	
	2462	242/62	24.14	24.32	27.24	2.30	29.54	
802.11be-EHT20	2412	26/0	23.00	22.29	25.67	2.30	27.97	
		52/37	22.03	22.02	25.04	2.30	27.34	
		106/53	22.62	21.86	25.27	2.30	27.57	
	2472	26/8	14.89	14.42	17.67	2.30	19.97	
		52/40	14.31	13.60	16.98	2.30	19.28	
		106/54	19.96	19.07	22.55	2.30	24.85	
802.11be-EHT40	2422	242/61	22.61	21.83	25.25	2.30	27.55	
	2462	242/62	24.04	23.20	26.65	2.30	28.95	

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

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

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

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	14.00	2.50	16.50	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	14.11	2.50	16.61	
	2480	14.17	2.50	16.67	
BLE (2Mbps)	2402	14.01	2.50	16.51	
	2440	14.12	2.50	16.62	
	2480	14.18	2.50	16.68	
BLE (PHY Coded S2)	2402	12.74	2.50	15.24	
	2440	12.87	2.50	15.37	
	2480	12.83	2.50	15.33	
BLE (PHY Coded S8)	2402	12.74	2.50	15.24	
	2440	12.87	2.50	15.37	
	2480	12.82	2.50	15.32	

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 (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) ^{Note 2}	Limit
		Aux	Main		Aux	Main		
802.11b	2412	19.30	19.79	19.79	5.30	5.20	24.99	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	19.21	19.39	19.39	5.30	5.20	24.59	
	2422	19.96	19.99	19.99	5.30	5.20	25.26	
	2442	20.34	19.68	20.34	5.30	5.20	25.64	
	2467	19.87	19.68	19.87	5.30	5.20	25.17	
	2472	18.70	19.00	19.00	5.30	5.20	24.20	
802.11g	2412	22.98	22.37	22.98	5.30	5.20	28.28	
	2417	22.94	22.21	22.94	5.30	5.20	28.24	
	2442	23.36	22.70	23.36	5.30	5.20	28.66	
	2472	24.16	24.58	24.58	5.30	5.20	29.78	

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	21.06	20.53	23.81	5.25	29.06	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	22.79	22.45	25.63	5.25	30.88	
	2442	23.31	22.41	25.89	5.25	31.14	
	2462	20.42	19.85	23.15	5.25	28.40	
	2467	18.27	17.08	20.73	5.25	25.98	
	2472	22.95	23.02	26.00	5.25	31.25	
802.11n-HT40	2422	19.59	19.45	22.53	5.25	27.78	
	2427	20.37	19.73	23.07	5.25	28.32	
	2432	21.86	21.45	24.67	5.25	29.92	
	2437	23.45	23.18	26.32	5.25	31.57	
	2442	21.80	21.76	24.79	5.25	30.04	
	2447	20.99	20.74	23.87	5.25	29.12	
	2452	19.87	19.90	22.90	5.25	28.15	
	2462	23.24	22.77	26.02	5.25	31.27	
802.11ax- HE20	2412	21.22	20.23	23.76	5.25	29.01	
	2417	22.40	22.36	25.39	5.25	30.64	
	2442	22.65	22.22	25.45	5.25	30.70	
	2462	20.82	20.94	23.89	5.25	29.14	
	2472	23.02	22.32	25.69	5.25	30.94	
802.11ax- HE40	2422	20.02	19.85	22.94	5.25	28.19	
	2427	20.56	20.31	23.45	5.25	28.70	
	2432	22.10	21.97	25.04	5.25	30.29	
	2437	22.94	22.89	25.93	5.25	31.18	
	2442	22.01	21.17	24.62	5.25	29.87	
	2447	20.94	20.78	23.87	5.25	29.12	
	2452	20.36	20.14	23.26	5.25	28.51	
	2462	23.35	22.29	25.86	5.25	31.11	

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

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

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

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	20.86	20.17	23.53	5.25	28.78	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	22.72	22.53	25.64	5.25	30.89	
	2442	23.77	22.41	26.15	5.25	31.40	
	2462	21.52	20.81	24.19	5.25	29.44	
	2472	23.02	22.26	25.67	5.25	30.92	
802.11be-EHT40	2422	19.96	19.78	22.88	5.25	28.13	
	2427	20.40	20.82	23.63	5.25	28.88	
	2432	21.65	21.72	24.69	5.25	29.94	
	2437	22.84	22.84	25.85	5.25	31.10	
	2442	21.77	21.39	24.59	5.25	29.84	
	2447	21.22	20.91	24.08	5.25	29.33	
	2452	20.74	20.05	23.42	5.25	28.67	
	2462	22.95	22.76	25.87	5.25	31.12	

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	23.05	22.31	25.71	5.25	30.96	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	22.92	22.07	25.53	5.25	30.78	
		106/53	22.65	22.12	25.40	5.25	30.65	
	2472	26/8	16.76	16.05	19.43	5.25	24.68	
		52/40	15.36	14.73	18.07	5.25	23.32	
		106/54	21.30	20.55	23.95	5.25	29.20	
802.11ax-HE40	2422	242/61	22.20	21.34	24.80	5.25	30.05	
	2462	242/62	24.14	24.32	27.24	5.25	32.49	
802.11be-EHT20	2412	26/0	23.00	22.29	25.67	5.25	30.92	
		52/37	22.03	22.02	25.04	5.25	30.29	
		106/53	22.62	21.86	25.27	5.25	30.52	
	2472	26/8	14.89	14.42	17.67	5.25	22.92	
		52/40	14.31	13.60	16.98	5.25	22.23	
		106/54	19.96	19.07	22.55	5.25	27.80	
802.11be-EHT40	2422	242/61	22.61	21.83	25.25	5.25	30.50	
	2462	242/62	24.04	23.20	26.65	5.25	31.90	

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

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

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

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	14.00	5.30	19.30	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	14.11	5.30	19.41	
	2480	14.17	5.30	19.47	
BLE (2Mbps)	2402	14.01	5.30	19.31	
	2440	14.12	5.30	19.42	
	2480	14.18	5.30	19.48	
BLE (PHY Coded S2)	2402	12.74	5.30	18.04	
	2440	12.87	5.30	18.17	
	2480	12.83	5.30	18.13	
BLE (PHY Coded S8)	2402	12.74	5.30	18.04	
	2440	12.87	5.30	18.17	
	2480	12.82	5.30	18.12	

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 (dBm)	Antenna Gain (dBi)		E.I.R.P (dBm) ^{Note 2}	Limit
		Aux	Main			Aux	Main		
802.11b	2412	17.08	16.66	N/A	17.08	2.50	2.10	19.58	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.01	16.55		17.01	2.50	2.10	19.51	
	2422	17.68	16.76		17.68	2.50	2.10	20.18	
	2442	17.84	17.44		17.84	2.50	2.10	20.34	
	2467	17.10	17.01		17.10	2.50	2.10	19.60	
	2472	16.21	16.50		16.50	2.50	2.10	18.71	
802.11g	2412	18.33	17.52	N/A	18.33	2.50	2.10	20.93	
	2417	17.43	17.34		17.43	2.50	2.10	20.03	
	2442	17.64	16.80		17.64	2.50	2.10	20.24	
	2472	13.29	13.40		13.40	2.50	2.10	15.89	

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) 10log (1/x)	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	15.79	15.47	N/A	18.64	2.30	20.94	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.07	17.22		20.16	2.30	22.46	
	2442	17.66	17.59		20.64	2.30	22.94	
	2462	15.39	14.64		18.04	2.30	20.34	
	2467	13.21	12.38		15.83	2.30	18.13	
	2472	11.98	11.51		14.76	2.30	17.06	
802.11n-HT40	2422	13.71	12.61	N/A	16.20	2.30	18.50	
	2427	14.12	13.84		16.99	2.30	19.29	
	2432	15.83	15.43		18.64	2.30	20.94	
	2437	17.10	16.98		20.05	2.30	22.35	
	2442	15.82	15.33		18.59	2.30	20.89	
	2447	14.65	14.46		17.56	2.30	19.86	
	2452	14.36	13.91		17.15	2.30	19.45	
	2462	12.38	11.68		15.05	2.30	17.35	
802.11ax-HE20	2412	16.04	14.98	N/A	18.55	2.30	20.85	
	2417	16.99	17.46		20.24	2.30	22.54	
	2442	17.54	16.85		20.22	2.30	22.52	
	2462	15.64	15.30		18.48	2.30	20.78	
	2467	13.23	12.31		15.80	2.30	18.10	
	2472	12.03	11.09		14.60	2.30	16.90	
802.11ax-HE40	2422	14.52	13.81	N/A	17.19	2.30	19.49	
	2427	14.89	14.83		17.87	2.30	20.17	
	2432	15.65	15.80		18.73	2.30	21.03	
	2437	17.01	16.76		19.90	2.30	22.20	
	2442	15.23	15.56		18.41	2.30	20.71	
	2447	14.54	14.84		17.70	2.30	20.00	
	2452	14.22	14.17		17.21	2.30	19.51	
	2462	12.28	11.59		14.96	2.30	17.26	

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

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

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

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) 10log (1/x)	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	15.57	14.56	N/A	18.10	2.30	20.40	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.00	17.30		20.16	2.30	22.46	
	2442	17.59	17.16		20.39	2.30	22.69	
	2462	16.01	15.75		18.89	2.30	21.19	
	2467	13.26	12.20		15.77	2.30	18.07	
	2472	12.02	11.27		14.67	2.30	16.97	
802.11be-EHT40	2422	13.53	13.25	N/A	16.40	2.30	18.70	
	2427	13.96	13.94		16.96	2.30	19.26	
	2432	15.25	15.37		18.32	2.30	20.62	
	2437	16.61	16.51		19.57	2.30	21.87	
	2442	15.25	15.57		18.42	2.30	20.72	
	2447	14.35	14.29		17.33	2.30	19.63	
	2452	13.72	13.76		16.75	2.30	19.05	
	2462	12.73	11.61		15.22	2.30	17.52	

Mode	Centre Frequency (MHz)	RU Configuration	Average Output Power (dBm)		Duty cycle factor (dB) 10log	Total Average Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P) Note 4	Limit
			Aux	Main					
802.11ax-HE20	2412	26/0	17.48	17.51	N/A	20.51	2.30	22.81	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	18.10	17.26	N/A	20.71	2.30	23.01	
		106/53	18.06	17.27	N/A	20.69	2.30	22.99	
	2472	26/8	2.99	2.54	N/A	5.78	2.30	8.08	
		52/40	1.93	1.16	N/A	4.57	2.30	6.87	
		106/54	8.35	8.14	N/A	11.26	2.30	13.56	
802.11ax-HE40	2422	242/61	17.13	16.58	N/A	19.87	2.30	22.17	
	2462	242/62	12.11	11.58	N/A	14.86	2.30	17.16	
802.11be-EHT20	2412	26/0	17.65	17.54	N/A	20.61	2.30	22.91	
		52/37	17.89	17.24	N/A	20.59	2.30	22.89	
		106/53	18.34	17.76	N/A	21.07	2.30	23.37	
	2472	26/8	2.45	1.80	N/A	5.15	2.30	7.45	
		52/40	2.36	1.48	N/A	4.95	2.30	7.25	
		106/54	8.09	7.39	N/A	10.76	2.30	13.06	
802.11be-EHT40	2422	242/61	17.50	16.95	N/A	20.24	2.30	22.54	
	2462	242/62	12.12	11.53	N/A	14.85	2.30	17.15	

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

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

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

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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● **With LUXSHARE-ICT Antenna**

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			Aux	Main		
802.11b	2412	17.08	16.66	N/A	17.08	5.30	5.20	22.38	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.01	16.55		17.01	5.30	5.20	22.31	
	2422	17.68	16.76		17.68	5.30	5.20	22.98	
	2442	17.84	17.44		17.84	5.30	5.20	23.14	
	2467	17.10	17.01		17.10	5.30	5.20	22.40	
	2472	16.21	16.50		16.50	5.30	5.20	21.70	
802.11g	2412	18.33	17.52	N/A	18.33	5.30	5.20	23.73	
	2417	17.43	17.34		17.43	5.30	5.20	22.83	
	2442	17.64	16.80		17.64	5.30	5.20	23.04	
	2472	13.29	13.40		13.40	5.30	5.20	18.70	

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) 10log (1/x)	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	15.79	15.47	N/A	18.64	5.25	23.89	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.07	17.22		20.16	5.25	25.41	
	2442	17.66	17.59		20.64	5.25	25.89	
	2462	15.39	14.64		18.04	5.25	23.29	
	2467	13.21	12.38		15.83	5.25	21.08	
	2472	11.98	11.51		14.76	5.25	20.01	
802.11n-HT40	2422	13.71	12.61	N/A	16.20	5.25	21.45	
	2427	14.12	13.84		16.99	5.25	22.24	
	2432	15.83	15.43		18.64	5.25	23.89	
	2437	17.10	16.98		20.05	5.25	25.30	
	2442	15.82	15.33		18.59	5.25	23.84	
	2447	14.65	14.46		17.56	5.25	22.81	
	2452	14.36	13.91		17.15	5.25	22.40	
	2462	12.38	11.68		15.05	5.25	20.30	
802.11ax-HE20	2412	16.04	14.98	N/A	18.55	5.25	23.80	
	2417	16.99	17.46		20.24	5.25	25.49	
	2442	17.54	16.85		20.22	5.25	25.47	
	2462	15.64	15.30		18.48	5.25	23.73	
	2467	13.23	12.31		15.80	5.25	21.05	
	2472	12.03	11.09		14.60	5.25	19.85	
802.11ax-HE40	2422	14.52	13.81	N/A	17.19	5.25	22.44	
	2427	14.89	14.83		17.87	5.25	23.12	
	2432	15.65	15.80		18.73	5.25	23.98	
	2437	17.01	16.76		19.90	5.25	25.15	
	2442	15.23	15.56		18.41	5.25	23.66	
	2447	14.54	14.84		17.70	5.25	22.95	
	2452	14.22	14.17		17.21	5.25	22.46	
	2462	12.28	11.59		14.96	5.25	20.21	

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

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

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

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) 10log (1/x)	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	15.57	14.56	N/A	18.10	5.25	23.35	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.00	17.30		20.16	5.25	25.41	
	2442	17.59	17.16		20.39	5.25	25.64	
	2462	16.01	15.75		18.89	5.25	24.14	
	2467	13.26	12.20		15.77	5.25	21.02	
	2472	12.02	11.27		14.67	5.25	19.92	
802.11be-EHT40	2422	13.53	13.25	N/A	16.40	5.25	21.65	
	2427	13.96	13.94		16.96	5.25	22.21	
	2432	15.25	15.37		18.32	5.25	23.57	
	2437	16.61	16.51		19.57	5.25	24.82	
	2442	15.25	15.57		18.42	5.25	23.67	
	2447	14.35	14.29		17.33	5.25	22.58	
	2452	13.72	13.76		16.75	5.25	22.00	
	2462	12.73	11.61		15.22	5.25	20.47	

Mode	Centre Frequency (MHz)	RU Configuration	Average Output Power (dBm)		Duty cycle factor (dB) 10log	Total Average Output Power Note 2 (dBm)	Directional Gain Note 3 (dBi)	Average Output Power (E.I.R.P.) Note 4	Limit
			Aux	Main					
802.11ax-HE20	2412	26/0	17.48	17.51	N/A	20.51	5.25	25.76	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	18.10	17.26	N/A	20.71	5.25	25.96	
		106/53	18.06	17.27	N/A	20.69	5.25	25.94	
	2472	26/8	2.99	2.54	N/A	5.78	5.25	11.03	
		52/40	1.93	1.16	N/A	4.57	5.25	9.82	
		106/54	8.35	8.14	N/A	11.26	5.25	16.51	
802.11ax-HE40	2422	242/61	17.13	16.58	N/A	19.87	5.25	25.12	
	2462	242/62	12.11	11.58	N/A	14.86	5.25	20.11	
802.11be-EHT20	2412	26/0	17.65	17.54	N/A	20.61	5.25	25.86	
		52/37	17.89	17.24	N/A	20.59	5.25	25.84	
		106/53	18.34	17.76	N/A	21.07	5.25	26.32	
	2472	26/8	2.45	1.80	N/A	5.15	5.25	10.40	
		52/40	2.36	1.48	N/A	4.95	5.25	10.20	
		106/54	8.09	7.39	N/A	10.76	5.25	16.01	
802.11be-EHT40	2422	242/61	17.50	16.95	N/A	20.24	5.25	25.49	
	2462	242/62	12.12	11.53	N/A	14.85	5.25	20.10	

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

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

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

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).