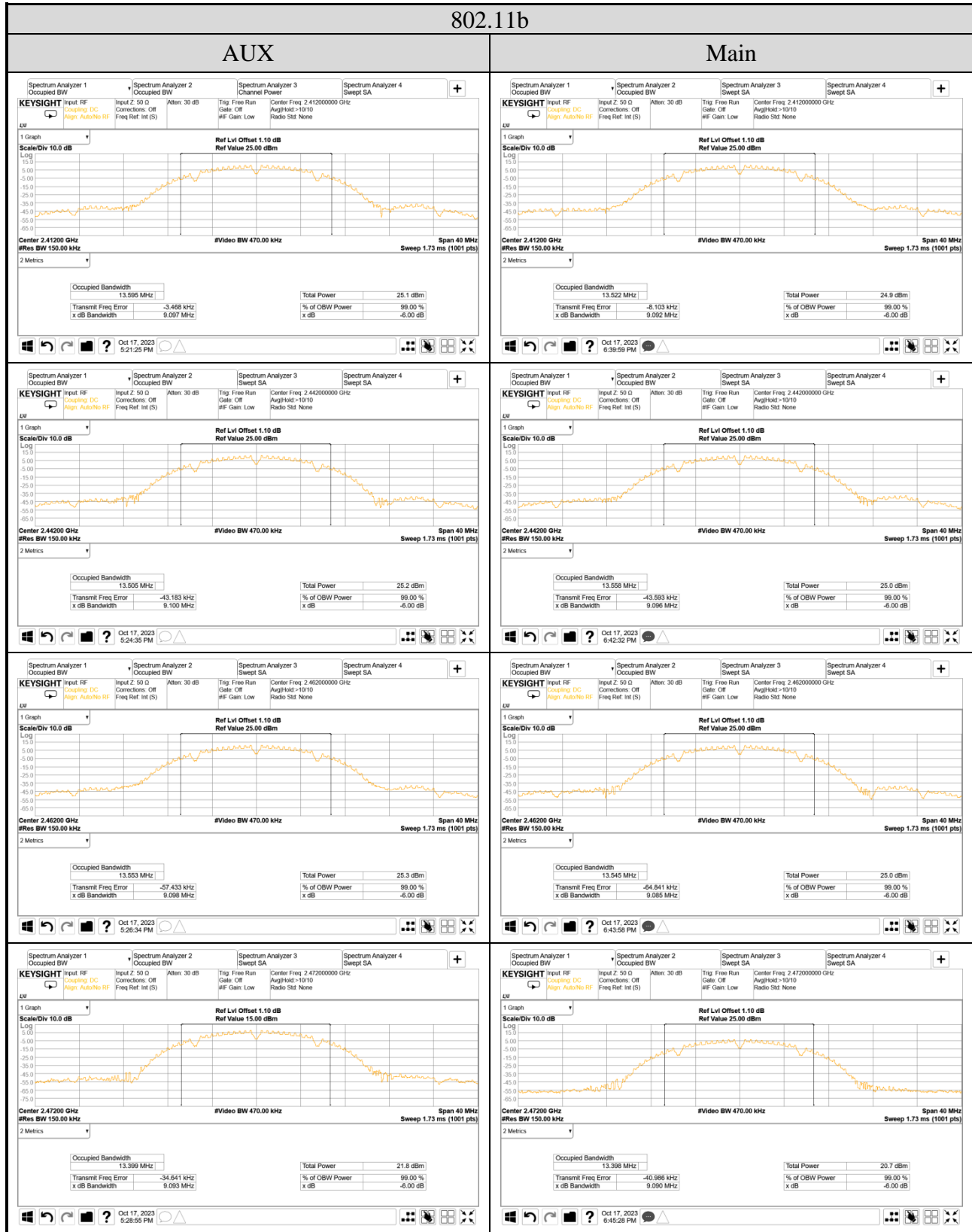
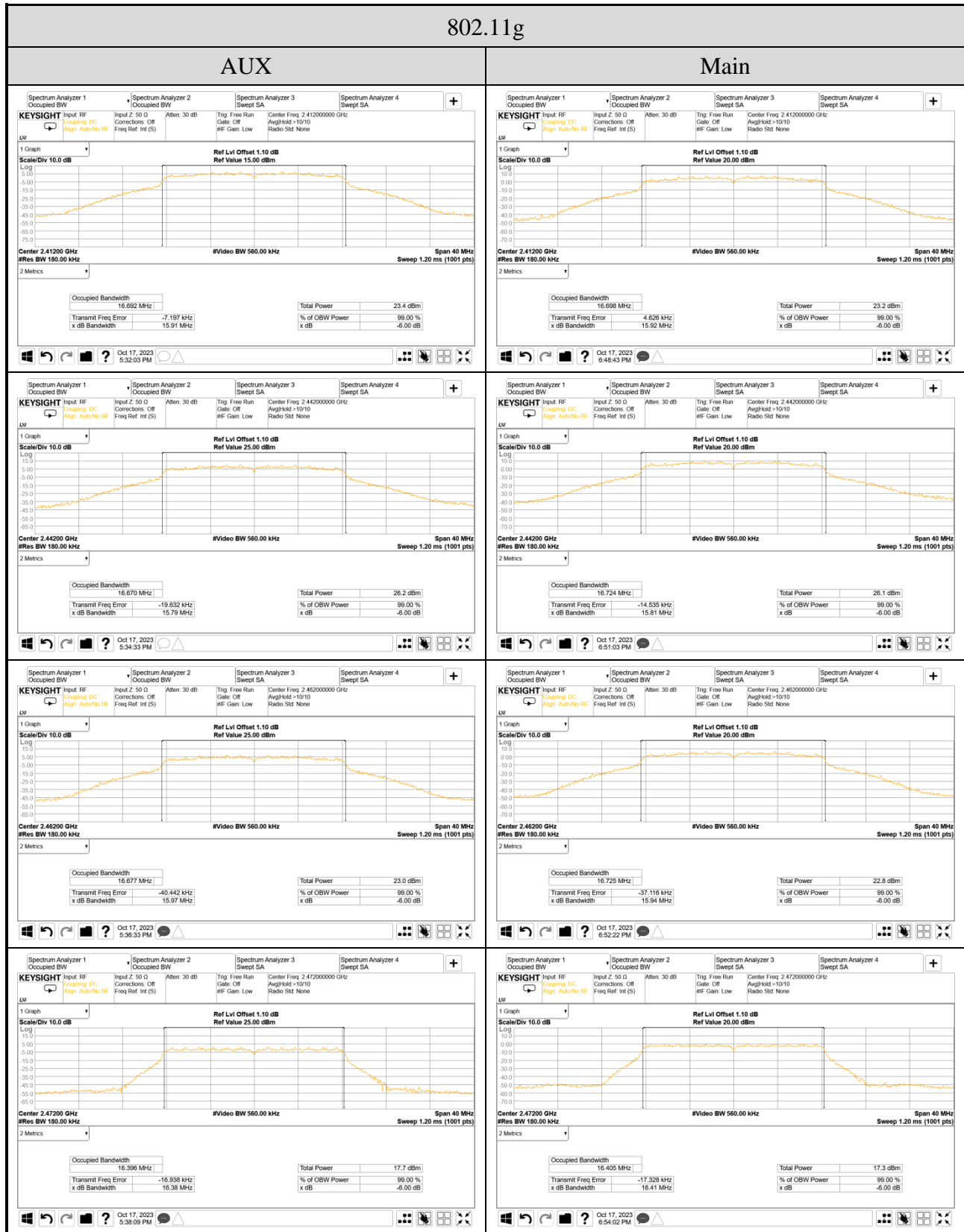


● Occupied (99%) Bandwidth

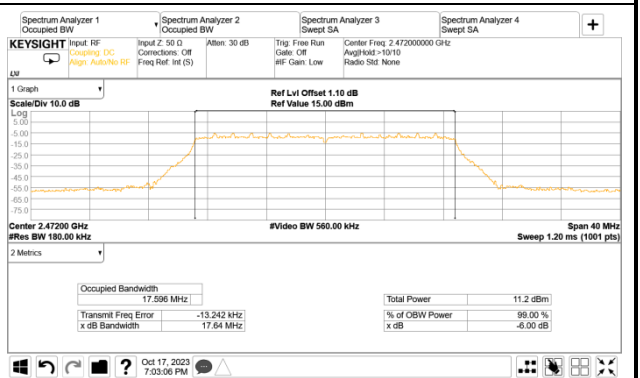
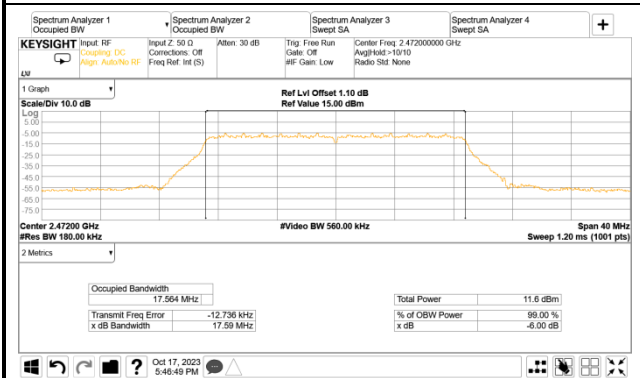
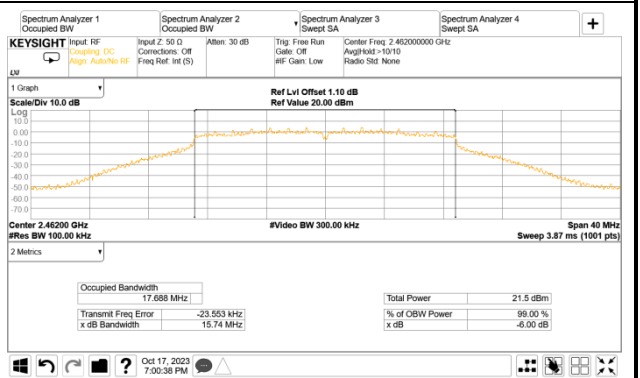
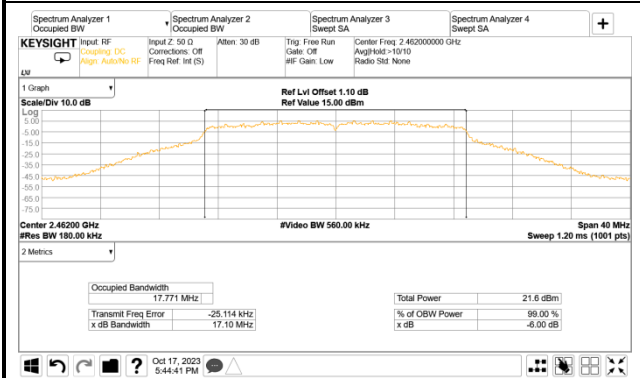
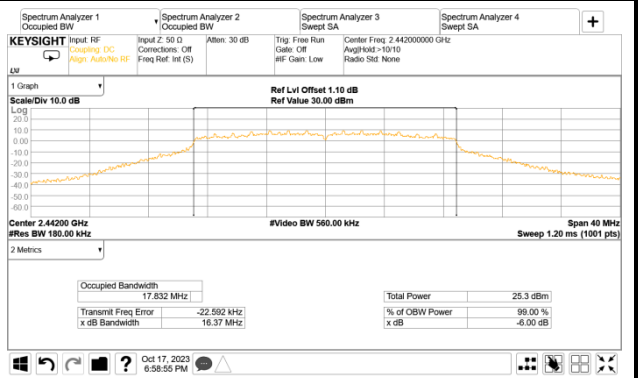
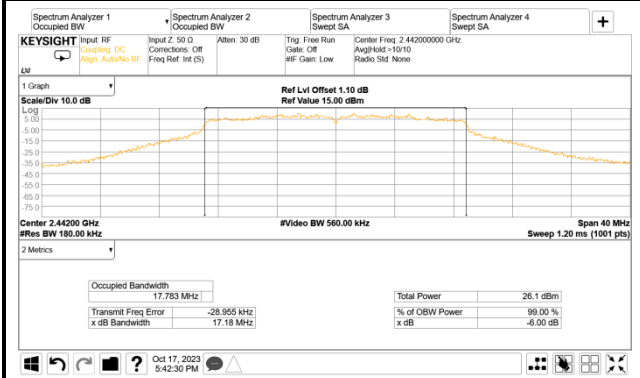
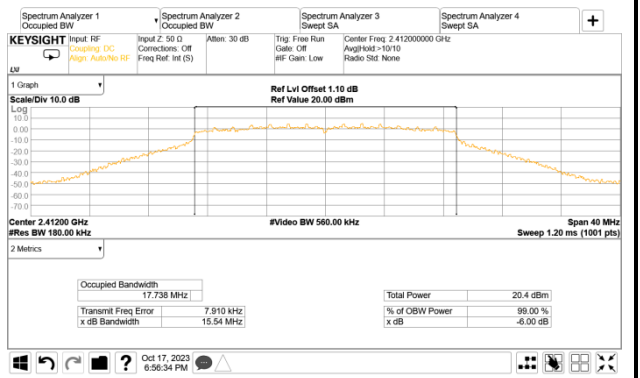
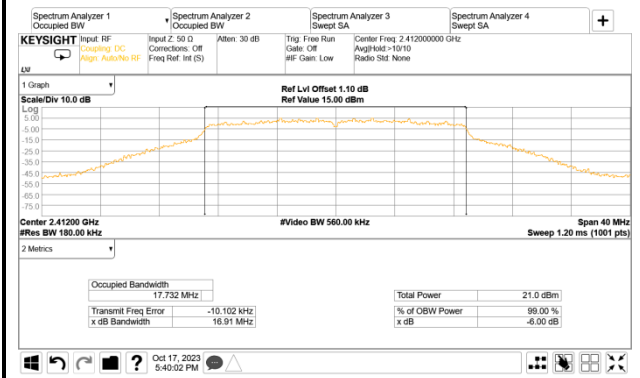




802.11n-HT20

AUX

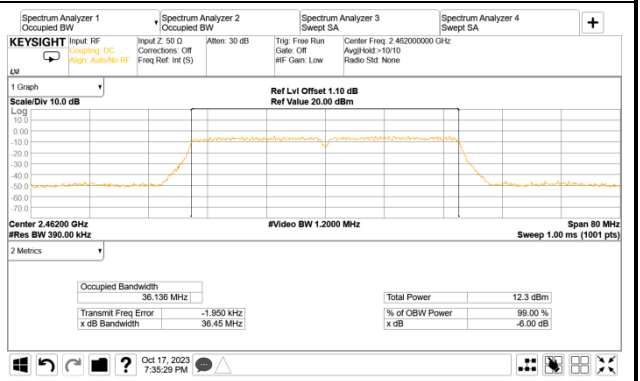
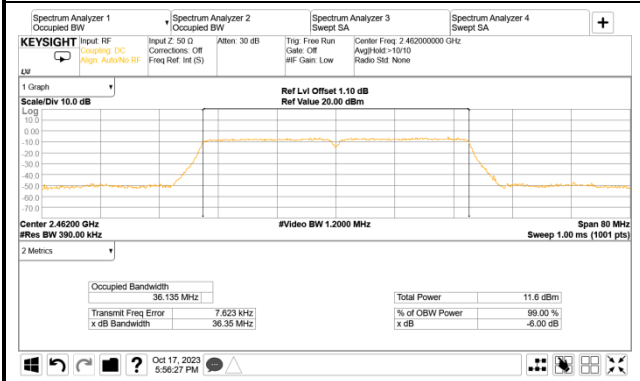
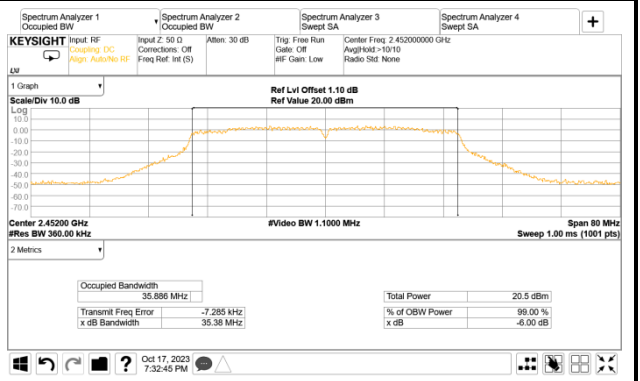
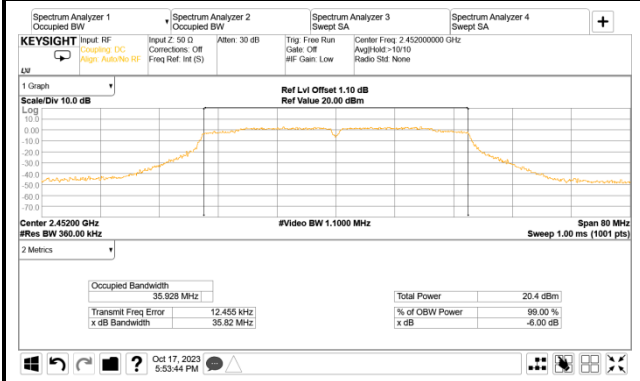
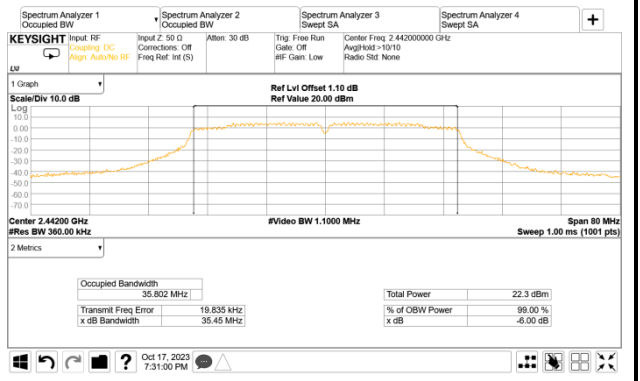
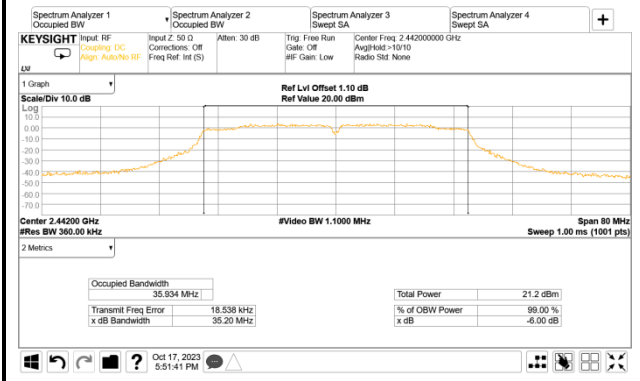
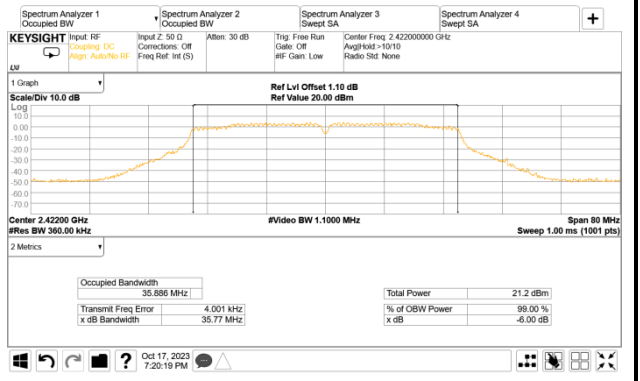
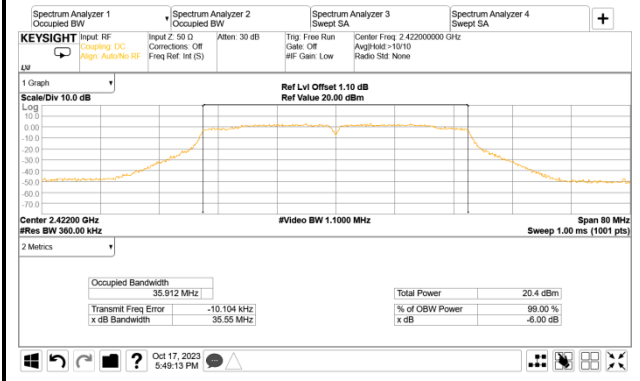
Main



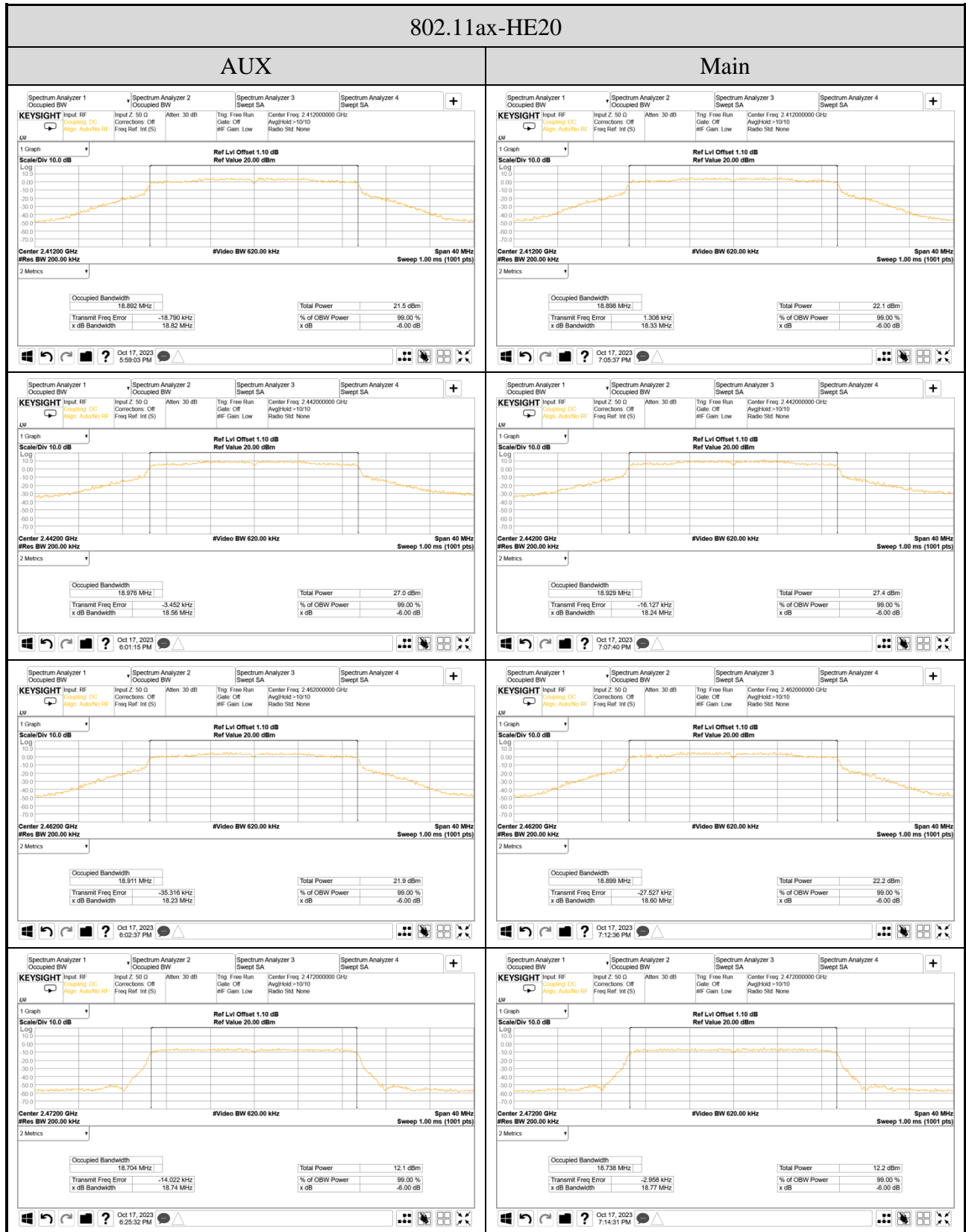
802.11n-HT40

AUX

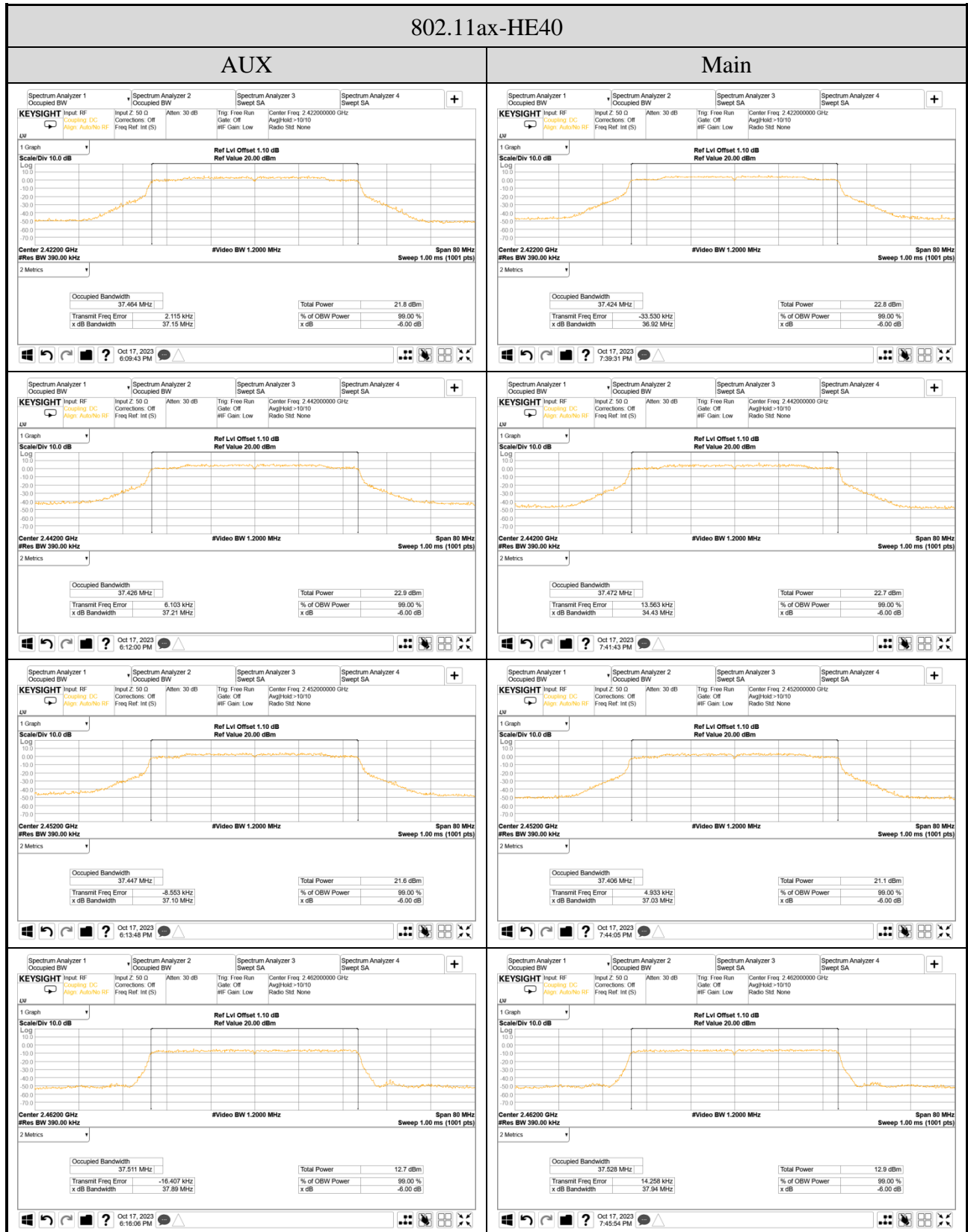
Main

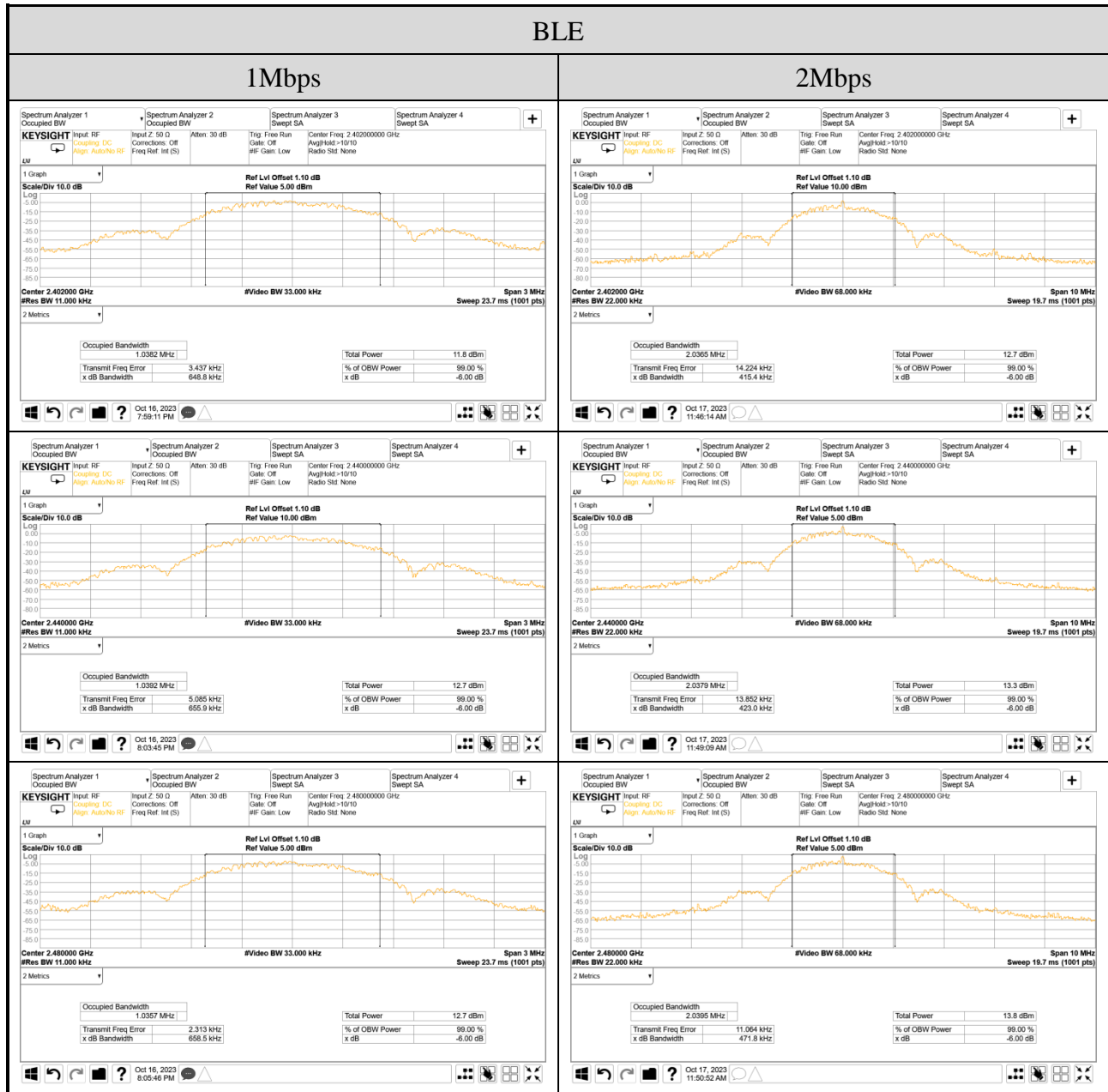


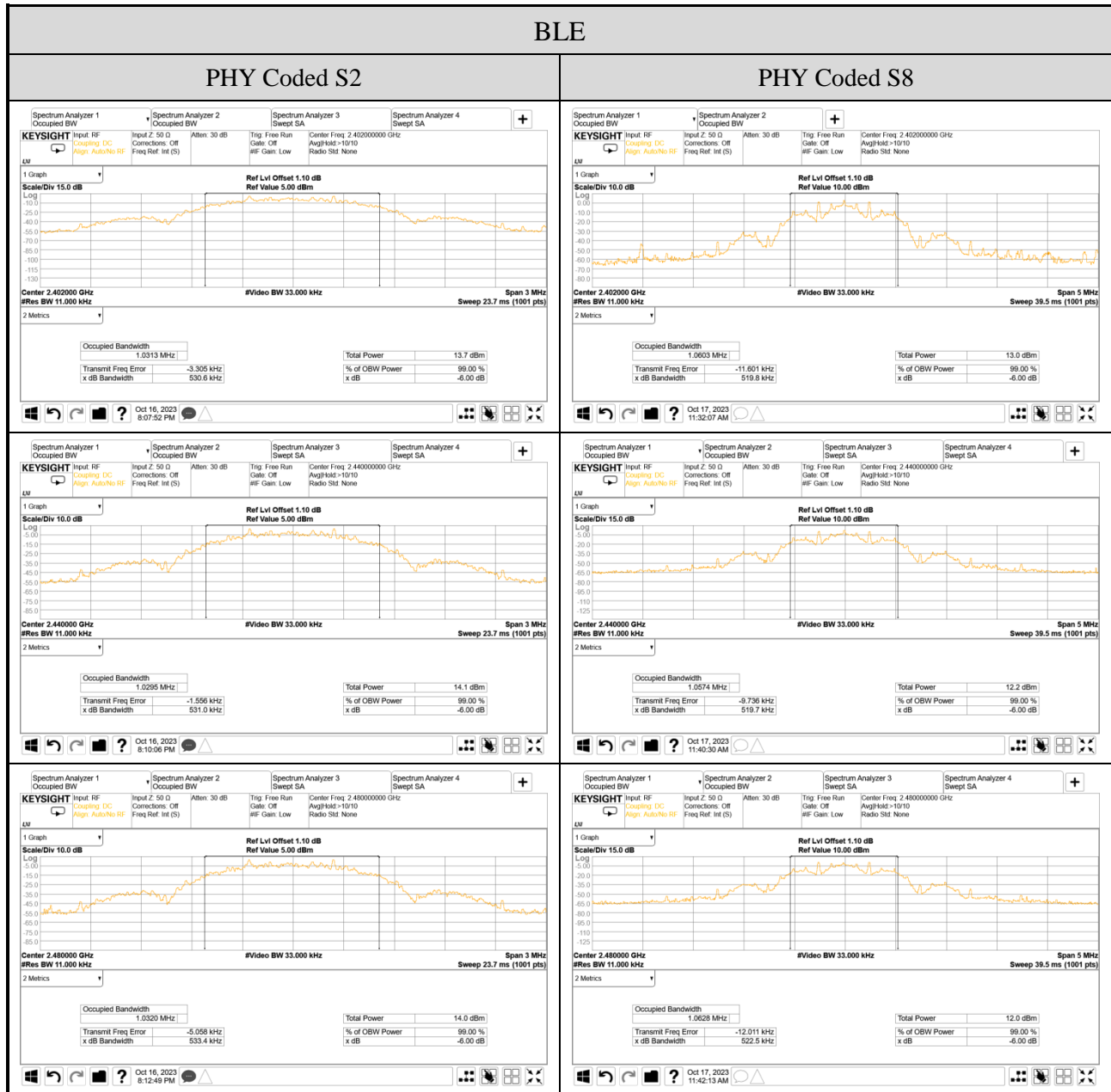
802.11ax-HE20



802.11ax-HE40







A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2023/10/17 ~ 11/02	Temp./Hum.	23 ~25°C/58 ~ 63%
Cable Loss	WiFi: 1.30dB, BLE: 0.50dB	Tested By	Harry Huang
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.4.1 Peak Output Power

Test SKU: SKU #1 (With INPAQ ANT)

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	21.46	21.54	21.54	2.20	2.20	23.74	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.43	21.56	21.56	2.20	2.20	23.76	
	2437	21.45	21.54	21.54	2.20	2.20	23.74	
	2442	21.45	21.52	21.52	2.20	2.20	23.72	
	2457	21.50	21.53	21.53	2.20	2.20	23.73	
	2462	21.43	21.60	21.60	2.20	2.20	23.80	
	2467	19.56	20.60	20.60	2.20	2.20	22.80	
	2472	18.59	18.70	18.70	2.20	2.20	20.90	
802.11g	2412	21.71	21.98	21.98	2.20	2.20	24.18	
	2417	22.51	22.36	22.51	2.20	2.20	24.71	
	2437	22.04	22.07	22.07	2.20	2.20	24.27	
	2442	22.08	22.00	22.08	2.20	2.20	24.28	
	2457	22.57	22.35	22.57	2.20	2.20	24.77	
	2462	16.43	21.62	21.62	2.20	2.20	23.82	
	2467	19.45	19.65	19.65	2.20	2.20	21.85	
	2472	16.81	17.06	17.06	2.20	2.20	19.26	

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).

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	19.58	19.63	22.62	2.20	24.82	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.86	22.17	25.03	2.20	27.23	
	2422	23.81	22.62	26.27	2.20	28.47	
	2442	21.97	21.89	24.94	2.20	27.14	
	2457	22.54	22.61	25.59	2.20	27.79	
	2462	19.84	19.75	22.81	2.20	25.01	
	2467	15.93	15.58	18.77	2.20	20.97	
	2472	11.45	11.27	14.37	2.20	16.57	
802.11n-HT40	2422	20.15	20.70	23.44	2.20	25.64	
	2427	20.14	20.32	23.24	2.20	25.44	
	2432	20.54	20.73	23.65	2.20	25.85	
	2437	21.37	21.49	24.44	2.20	26.64	
	2442	21.45	20.65	24.08	2.20	26.28	
	2452	20.38	20.51	23.46	2.20	25.66	
	2457	13.72	13.81	16.78	2.20	18.98	
	2462	11.98	12.18	15.09	2.20	17.29	
802.11ax-HE20	2412	19.72	19.94	22.84	2.20	25.04	
	2417	22.07	22.23	25.16	2.20	27.36	
	2442	22.03	22.06	25.06	2.20	27.26	
	2457	22.73	22.90	25.83	2.20	28.03	
	2462	19.99	20.05	23.03	2.20	25.23	
	2467	15.75	15.71	18.74	2.20	20.94	
	2472	11.78	11.42	14.61	2.20	16.81	
802.11ax-HE40	2422	20.00	20.31	23.17	2.20	25.37	
	2442	21.50	21.43	24.48	2.20	26.68	
	2447	20.83	21.01	23.93	2.20	26.13	
	2452	20.34	20.63	23.50	2.20	25.70	
	2457	13.51	13.39	16.46	2.20	18.66	
	2462	11.98	12.08	15.04	2.20	17.24	

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

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

$$\text{Directional gain} = 10 \log[(10^{2.2/10} + 10^{2.2/10})/2] = 2.20\text{dBi}$$

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).

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	23.14	23.32	26.24	2.20	28.44	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	23.41	23.41	26.42	2.20	28.62	
		106/53	23.94	23.31	26.65	2.20	28.85	
	2472	26/8	19.23	18.82	22.04	2.20	24.24	
		52/40	19.70	19.66	22.69	2.20	24.89	
		106/54	19.61	19.76	22.70	2.20	24.90	
802.11ax-HE40	2422	242/61	20.56	20.59	23.59	2.20	25.79	
	2462	242/62	18.19	18.92	21.58	2.20	23.78	

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

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

$$\text{Directional gain} = 10 \log[(10^{2.2/10} + 10^{2.2/10})/2] = 2.20\text{dBi}$$

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).

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm) ^{Note 2}	Limit
		Aux	Aux		
BLE (1Mbps)	2402	8.72	2.20	10.92	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	9.02	2.20	11.22	
	2480	9.54	2.20	11.74	
BLE (2Mbps)	2402	8.73	2.20	10.93	
	2440	9.04	2.20	11.24	
	2480	9.55	2.20	11.75	
BLE (PHY Coded S2)	2402	8.74	2.20	10.94	
	2440	9.04	2.20	11.24	
	2480	9.53	2.20	11.73	
BLE (PHY Coded S8)	2402	9.72	2.20	11.92	
	2440	9.02	2.20	11.22	
	2480	9.52	2.20	11.72	

Note: 1. The results have been included cable loss.
 2. E.I.R.P.= The Peak Output Power (dBm)+ Antenna Gain (dBi).

Test SKU: SKU #1 (With LUXSHARE-ICT ANT)

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	21.46	21.54	21.54	3.014	3.274	24.81	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.43	21.56	21.56	3.014	3.274	24.83	
	2437	21.45	21.54	21.54	3.268	5.259	26.80	
	2442	21.45	21.52	21.52	3.268	5.259	26.78	
	2457	21.50	21.53	21.53	3.268	5.259	26.79	
	2462	21.43	21.60	21.60	3.268	5.259	26.86	
	2467	19.56	20.60	20.60	3.268	5.259	25.85	
	2472	18.59	18.70	18.70	3.268	5.259	23.95	
802.11g	2412	21.71	21.98	21.98	3.014	3.274	25.25	
	2417	22.51	22.36	22.51	3.014	3.274	25.63	
	2437	22.04	22.07	22.07	3.268	5.259	27.33	
	2442	22.08	22.00	22.08	3.268	5.259	27.26	
	2457	22.57	22.35	22.57	3.268	5.259	27.61	
	2462	16.43	21.62	21.62	3.268	5.259	26.88	
	2467	19.45	19.65	19.65	3.268	5.259	24.91	
	2472	16.81	17.06	17.06	3.268	5.259	22.32	

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).

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	19.58	19.63	22.62	3.15	25.77	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.86	22.17	25.03	3.15	28.18	
	2422	23.81	22.62	26.27	3.15	29.42	
	2442	21.97	21.89	24.94	4.38	29.32	
	2457	22.54	22.61	25.59	4.38	29.97	
	2462	19.84	19.75	22.81	4.38	27.19	
	2467	15.93	15.58	18.77	4.38	23.15	
	2472	11.45	11.27	14.37	4.38	18.75	
802.11n-HT40	2422	20.15	20.70	23.44	3.15	26.59	
	2427	20.14	20.32	23.24	3.15	26.39	
	2432	20.54	20.73	23.65	4.38	28.03	
	2437	21.37	21.49	24.44	4.38	28.82	
	2442	21.45	20.65	24.08	4.38	28.46	
	2452	20.38	20.51	23.46	4.38	27.84	
	2457	13.72	13.81	16.78	4.38	21.16	
	2462	11.98	12.18	15.09	4.38	19.47	
802.11ax-HE20	2412	19.72	19.94	22.84	3.15	25.99	
	2417	22.07	22.23	25.16	3.15	28.31	
	2442	22.03	22.06	25.06	4.38	29.44	
	2457	22.73	22.90	25.83	4.38	30.21	
	2462	19.99	20.05	23.03	4.38	27.41	
	2467	15.75	15.71	18.74	4.38	23.12	
	2472	11.78	11.42	14.61	4.38	18.99	
	2462	11.98	12.08	15.04	4.38	19.42	
802.11ax-HE40	2422	20.00	20.31	23.17	3.15	26.32	
	2442	21.50	21.43	24.48	4.38	28.86	
	2447	20.83	21.01	23.93	4.38	28.31	
	2452	20.34	20.63	23.50	4.38	27.88	
	2457	13.51	13.39	16.46	4.38	20.84	
	2462	11.98	12.08	15.04	4.38	19.42	

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

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

$$2400\text{MHz: Directional gain} = 10 \log[(10^{3.014/10} + 10^{3.274/10})/2] = 3.15\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{3.268/10} + 10^{5.259/10})/2] = 4.38\text{dBi}$$

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).

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	23.14	23.32	26.24	3.15	29.39	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	23.41	23.41	26.42	3.15	29.57	
		106/53	23.94	23.31	26.65	3.15	29.80	
	2472	26/8	19.23	18.82	22.04	4.38	26.42	
		52/40	19.70	19.66	22.69	4.38	27.07	
		106/54	19.61	19.76	22.70	4.38	27.08	
802.11ax-HE40	2422	242/61	20.56	20.59	23.59	3.15	26.74	
	2462	242/62	18.19	18.92	21.58	4.38	25.96	

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

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

$$2400\text{MHz: Directional gain} = 10 \log[(10^{3.014/10} + 10^{3.274/10})/2] = 3.15\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{3.268/10} + 10^{5.259/10})/2] = 4.38\text{dBi}$$

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).

Mode	Centre Frequency (MHz)	Peak Output Power (dBm)	Antenna Gain (dBi)	E.I.R.P (dBm) ^{Note2}	Limit
		Aux	Aux		
BLE (1Mbps)	2402	8.72	3.014	11.73	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	9.02	3.268	12.29	
	2480	9.54	2.995	12.54	
BLE (2Mbps)	2402	8.73	3.014	11.74	
	2440	9.04	3.268	12.31	
	2480	9.55	2.995	12.55	
BLE (PHY Coded S2)	2402	8.74	3.014	11.75	
	2440	9.04	3.268	12.31	
	2480	9.53	2.995	12.53	
BLE (PHY Coded S8)	2402	9.72	3.014	12.73	
	2440	9.02	3.268	12.29	
	2480	9.52	2.995	12.52	

Note: 1. The results have been included cable loss.
 2. E.I.R.P.= The Peak Output Power (dBm)+ Antenna Gain (dBi).

A.4.2 Average Output Power (Reporting only)

Test SKU: SKU #1 (With INPAQ ANT)

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	18.47	18.51	N/A	18.51	2.20	2.20	20.71	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	18.49	18.45		18.49	2.20	2.20	20.69	
	2437	18.51	18.36		18.51	2.20	2.20	20.71	
	2442	18.47	18.38		18.47	2.20	2.20	20.67	
	2457	18.70	18.41		18.70	2.20	2.20	20.90	
	2462	18.52	18.50		18.52	2.20	2.20	20.72	
	2467	18.51	18.48		18.51	2.20	2.20	20.71	
	2472	16.09	15.02		16.09	2.20	2.20	18.29	
802.11g	2412	17.13	17.01	N/A	17.13	2.20	2.20	19.33	
	2417	18.04	17.80		18.04	2.20	2.20	20.24	
	2437	17.98	17.06		17.98	2.20	2.20	20.18	
	2442	18.00	17.68		18.00	2.20	2.20	20.20	
	2457	18.11	17.70		18.11	2.20	2.20	20.31	
	2462	16.94	16.77		16.94	2.20	2.20	19.14	
	2467	14.76	14.29		14.76	2.20	2.20	16.96	
	2472	11.69	11.50		11.69	2.20	2.20	13.89	

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%.

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	14.89	15.76	N/A	18.36	2.20	20.56	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.35	17.41		20.39	2.20	22.59	
	2422	18.45	18.13		21.30	2.20	23.50	
	2442	18.02	18.02		21.03	2.20	23.23	
	2457	18.15	18.04		21.11	2.20	23.31	
	2462	15.19	15.26		18.24	2.20	20.44	
	2467	11.06	11.04		14.06	2.20	16.26	
	2472	5.98	5.91		8.96	2.20	11.16	
802.11n-HT40	2422	14.33	14.58	N/A	17.47	2.20	19.67	
	2427	14.19	14.26		17.24	2.20	19.44	
	2432	14.73	14.84		17.80	2.20	20.00	
	2437	15.47	15.57		18.53	2.20	20.73	
	2442	15.53	15.43		18.49	2.20	20.69	
	2452	14.40	15.46		17.97	2.20	20.17	
	2457	7.84	7.89		10.88	2.20	13.08	
	2462	6.08	6.04		9.07	2.20	11.27	
802.11ax-HE20	2412	14.99	15.18	N/A	18.10	2.20	20.30	
	2417	17.50	17.60		20.56	2.20	22.76	
	2442	18.17	18.15		21.17	2.20	23.37	
	2457	18.33	18.21		21.28	2.20	23.48	
	2462	15.36	15.30		18.34	2.20	20.54	
	2467	11.32	11.16		14.25	2.20	16.45	
	2472	5.97	5.82		8.91	2.20	11.11	
802.11ax-HE40	2422	14.25	14.29	N/A	17.28	2.20	19.48	
	2442	15.40	15.28		18.35	2.20	20.55	
	2447	14.61	14.61		17.62	2.20	19.82	
	2452	14.23	14.18		17.22	2.20	19.42	
	2457	7.68	7.68		10.69	2.20	12.89	
	2462	5.72	5.85		8.80	2.20	11.00	

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

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

$$\text{Directional gain} = 10 \log[(10^{2.2/10} + 10^{2.2/10})/2] = 2.20 \text{ dBi}$$

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).

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	18.30	18.36	N/A	21.34	2.20	23.54	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	18.40	18.56	N/A	21.49	2.20	23.69	
		106/53	18.58	18.58	N/A	21.59	2.20	23.79	
	2472	26/8	5.67	5.61	N/A	8.65	2.20	10.85	
		52/40	6.60	6.55	N/A	9.59	2.20	11.79	
		106/54	6.73	6.71	N/A	9.73	2.20	11.93	
802.11ax-HE40	2422	242/61	15.24	15.30	0.141	18.42	2.20	20.62	
	2462	242/62	6.80	6.69	0.141	9.90	2.20	12.10	

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

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

$$\text{Directional gain} = 10 \log[(10^{2.2/10} + 10^{2.2/10})/2] = 2.20\text{dBi}$$

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).

Test SKU: SKU #1 (With LUXSHARE-ICT ANT)

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	18.47	18.51	N/A	18.51	3.014	3.274	21.78	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	18.49	18.45		18.49	3.014	3.274	21.72	
	2437	18.51	18.36		18.51	3.268	5.259	23.62	
	2442	18.47	18.38		18.47	3.268	5.259	23.64	
	2457	18.70	18.41		18.70	3.268	5.259	23.67	
	2462	18.52	18.50		18.52	3.268	5.259	23.76	
	2467	18.51	18.48		18.51	3.268	5.259	23.73	
	2472	16.09	15.02		16.09	3.268	5.259	20.27	
802.11g	2412	17.13	17.01	N/A	17.13	3.014	3.274	20.28	
	2417	18.04	17.80		18.04	3.014	3.274	21.07	
	2437	17.98	17.06		17.98	3.268	5.259	22.32	
	2442	18.00	17.68		18.00	3.268	5.259	22.94	
	2457	18.11	17.70		18.11	3.268	5.259	22.96	
	2462	16.94	16.77		16.94	3.268	5.259	22.03	
	2467	14.76	14.29		14.76	3.268	5.259	19.55	
	2472	11.69	11.50		11.69	3.268	5.259	16.76	

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%.

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	14.89	15.76	N/A	18.36	3.15	21.51	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	17.35	17.41		20.39	3.15	23.54	
	2422	18.45	18.13		21.30	3.15	24.45	
	2442	18.02	18.02		21.03	4.38	25.41	
	2457	18.15	18.04		21.11	4.38	25.49	
	2462	15.19	15.26		18.24	4.38	22.62	
	2467	11.06	11.04		14.06	4.38	18.44	
	2472	5.98	5.91		8.96	4.38	13.34	
802.11n-HT40	2422	14.33	14.58	N/A	17.47	3.15	20.62	
	2427	14.19	14.26		17.24	3.15	20.39	
	2432	14.73	14.84		17.80	4.38	22.18	
	2437	15.47	15.57		18.53	4.38	22.91	
	2442	15.53	15.43		18.49	4.38	22.87	
	2452	14.40	15.46		17.97	4.38	22.35	
	2457	7.84	7.89		10.88	4.38	15.26	
	2462	6.08	6.04		9.07	4.38	13.45	
802.11ax-HE20	2412	14.99	15.18	N/A	18.10	3.15	21.25	
	2417	17.50	17.60		20.56	3.15	23.71	
	2442	18.17	18.15		21.17	4.38	25.55	
	2457	18.33	18.21		21.28	4.38	25.66	
	2462	15.36	15.30		18.34	4.38	22.72	
	2467	11.32	11.16		14.25	4.38	18.63	
	2472	5.97	5.82		8.91	4.38	13.29	
	802.11ax-HE40	2422	14.25		14.29	N/A	17.28	
2442		15.40	15.28	18.35	4.38		22.73	
2447		14.61	14.61	17.62	4.38		22.00	
2452		14.23	14.18	17.22	4.38		21.60	
2457		7.68	7.68	10.69	4.38		15.07	
2462		5.72	5.85	8.80	4.38		13.18	

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

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

$$2400\text{MHz: Directional gain} = 10 \log[(10^{3.014/10} + 10^{3.274/10})/2] = 3.15\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{3.268/10} + 10^{5.259/10})/2] = 4.38\text{dBi}$$

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).

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	18.30	18.36	N/A	21.34	3.15	24.49	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	18.40	18.56	N/A	21.49	3.15	24.64	
		106/53	18.58	18.58	N/A	21.59	3.15	24.74	
	2472	26/8	5.67	5.61	N/A	8.65	4.38	13.03	
		52/40	6.60	6.55	N/A	9.59	4.38	13.97	
		106/54	6.73	6.71	N/A	9.73	4.38	14.11	
802.11ax-HE40	2422	242/61	15.24	15.30	0.141	18.42	3.15	21.57	
	2462	242/62	6.80	6.69	0.141	9.90	4.38	14.28	

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

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

$$2400\text{MHz: Directional gain} = 10 \log[(10^{3.014/10} + 10^{3.274/10})/2] = 3.15\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{3.268/10} + 10^{5.259/10})/2] = 4.38\text{dBi}$$

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).