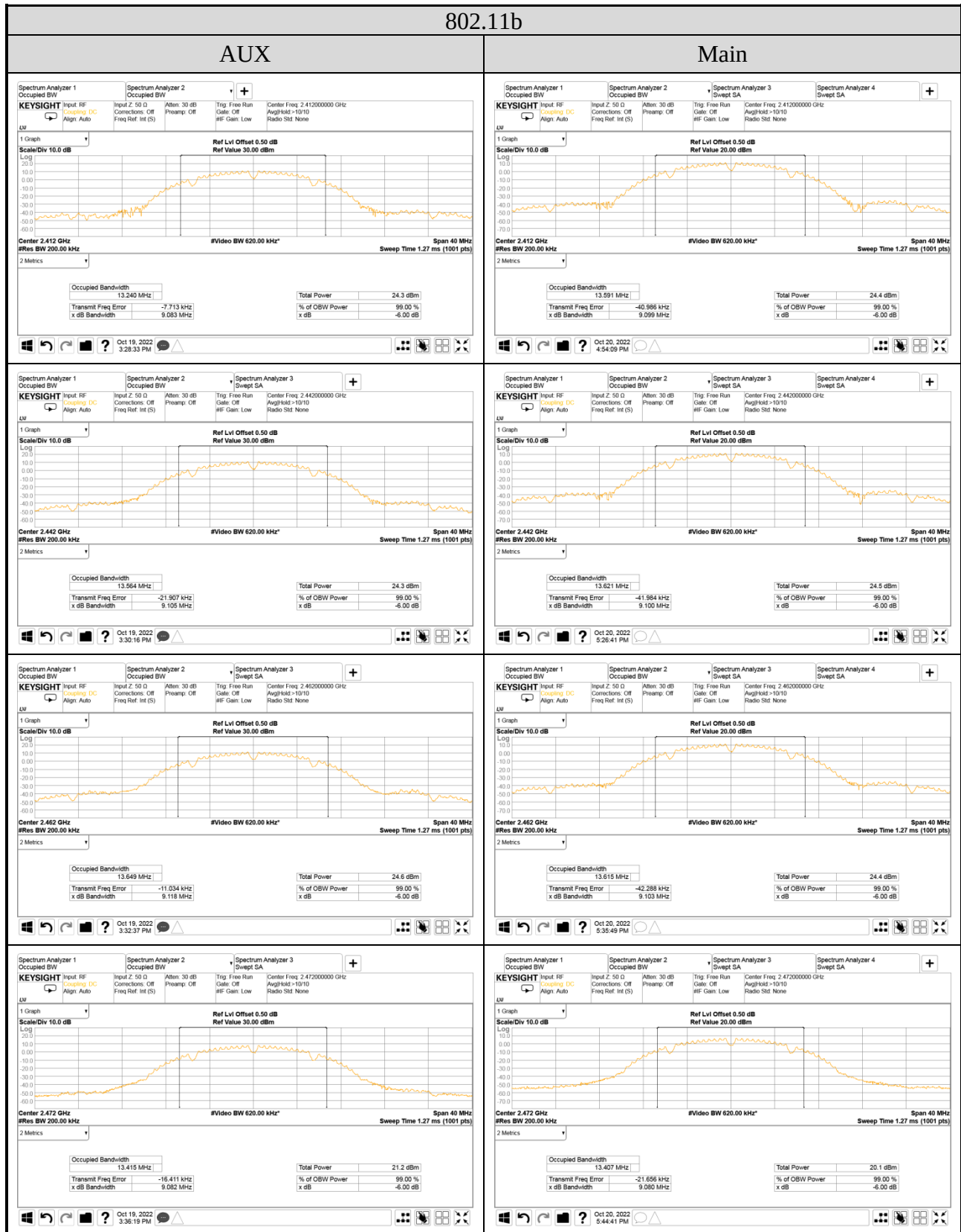
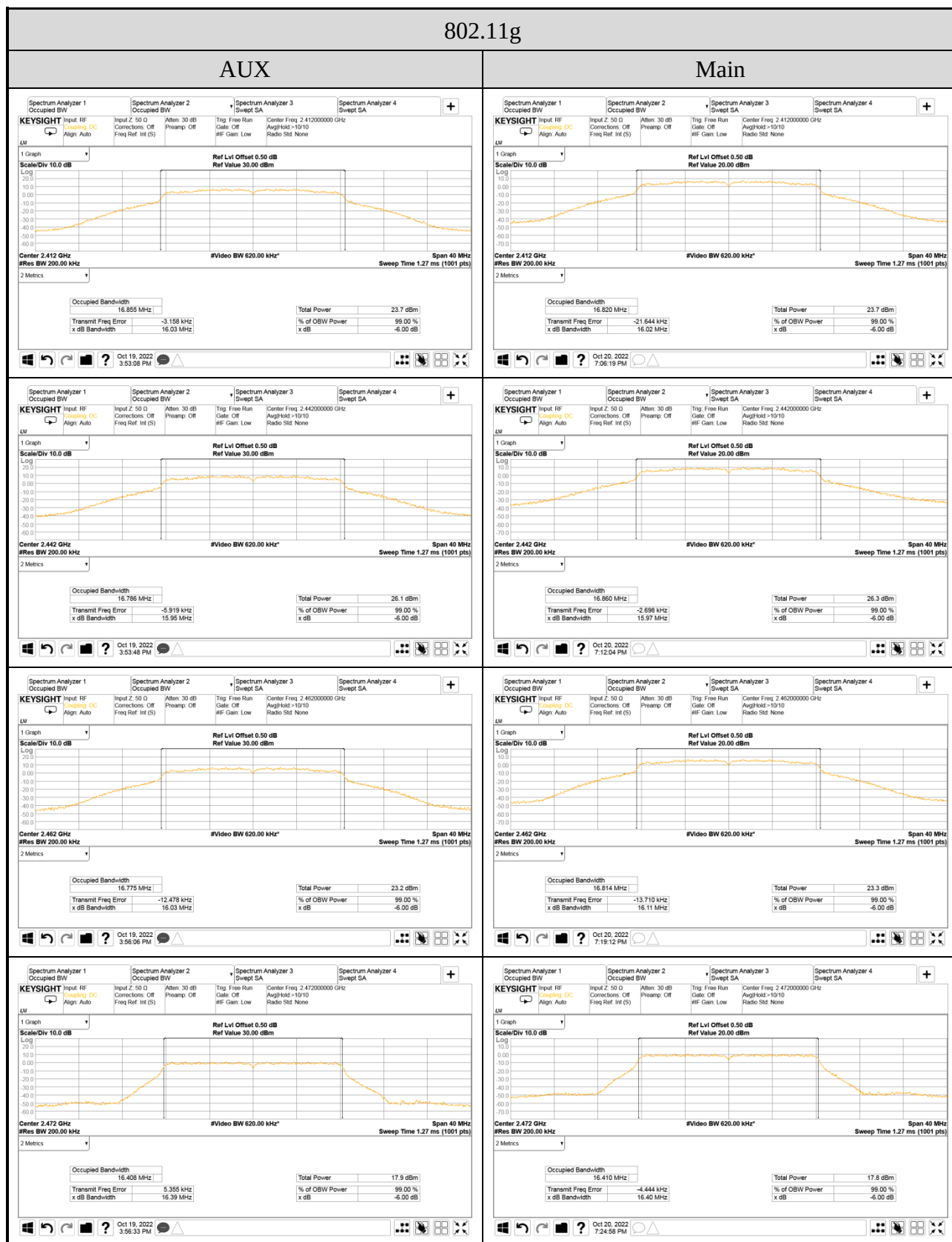


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● Occupied (99%) Bandwidth

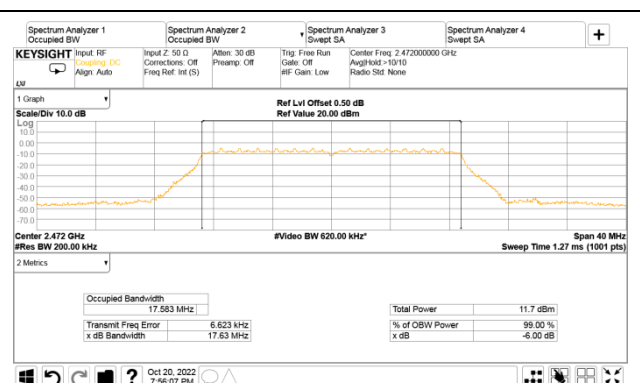
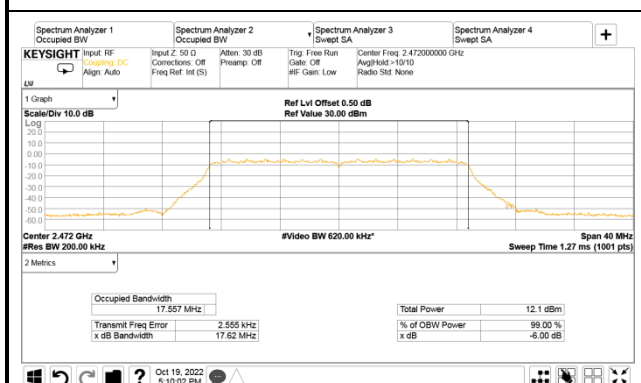
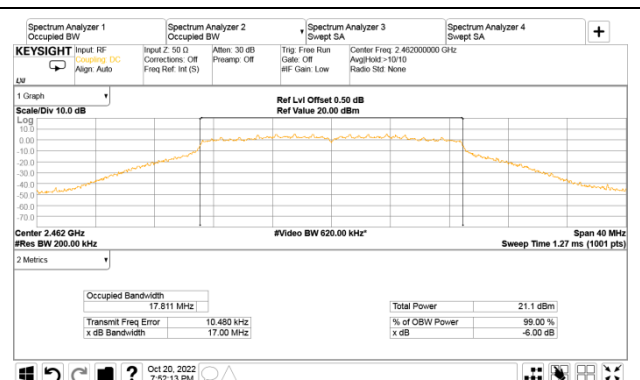
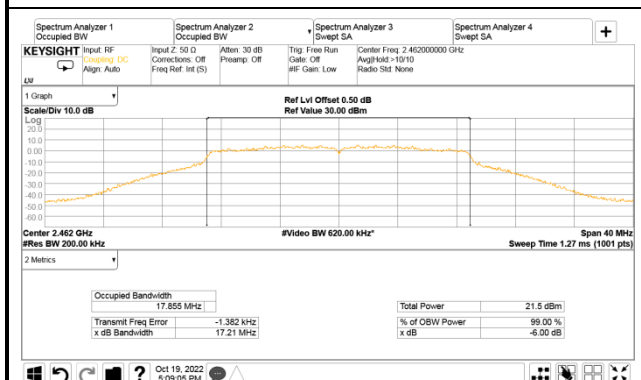
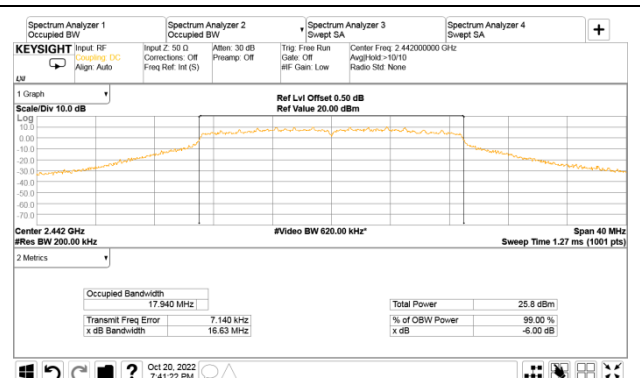
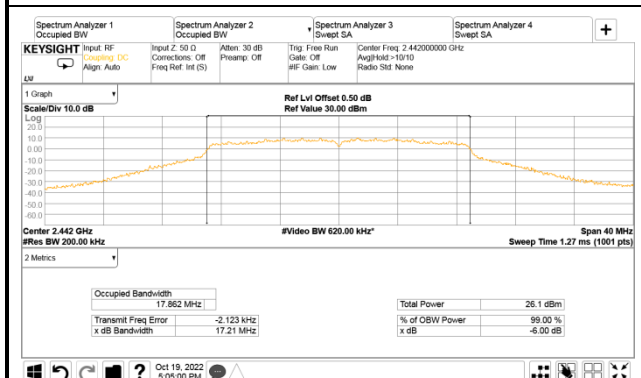
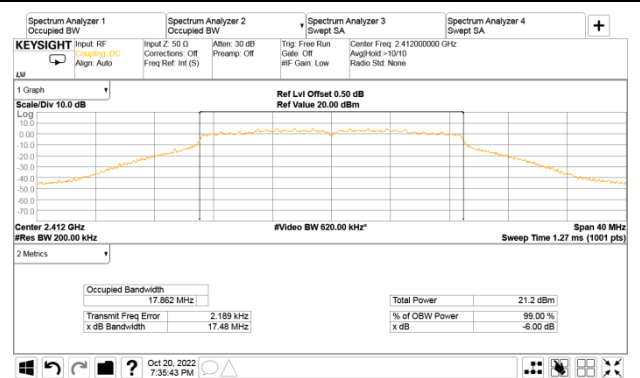
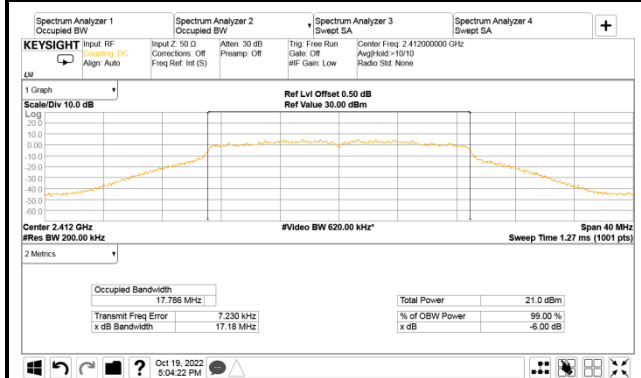




802.11n-HT20

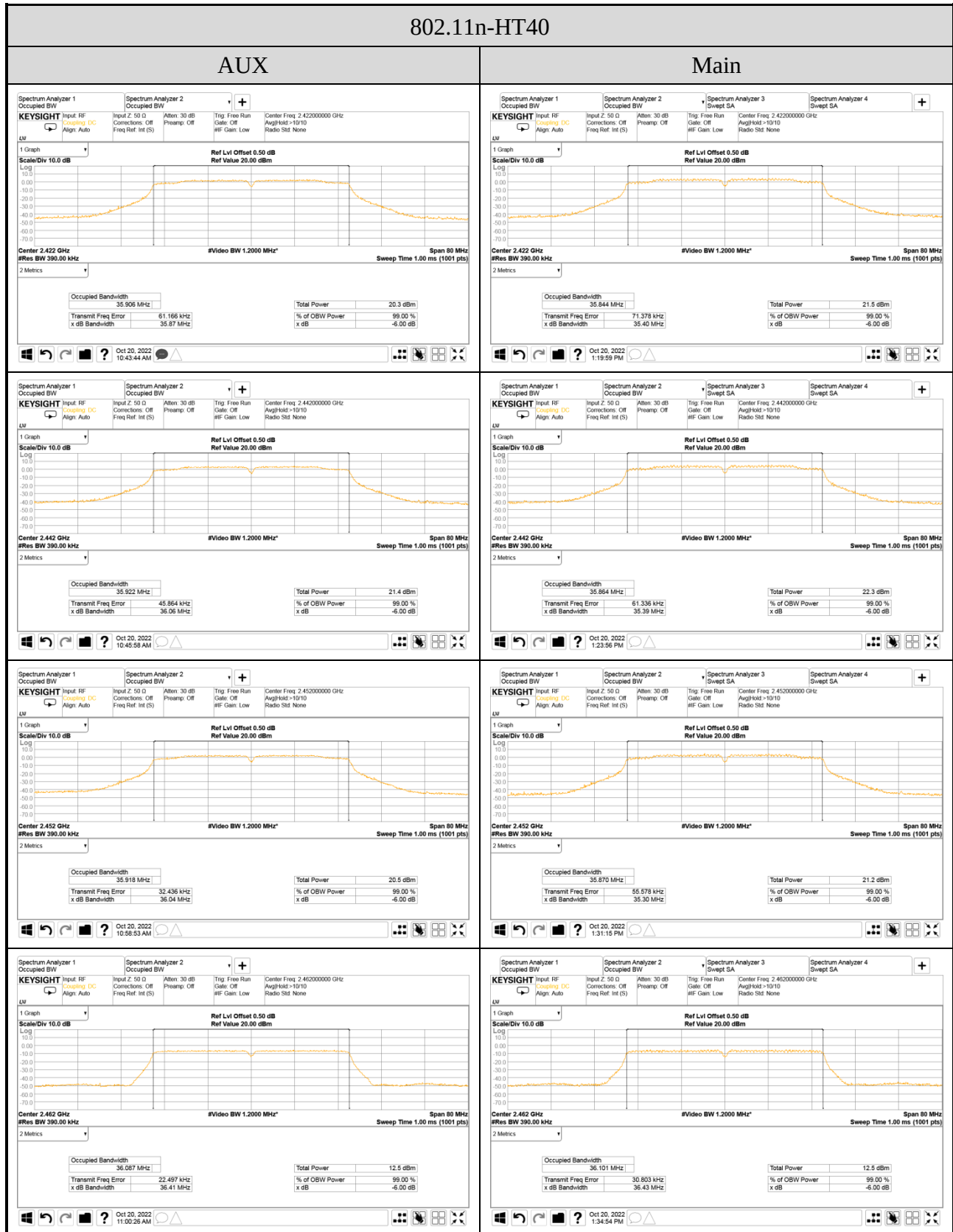
AUX

Main



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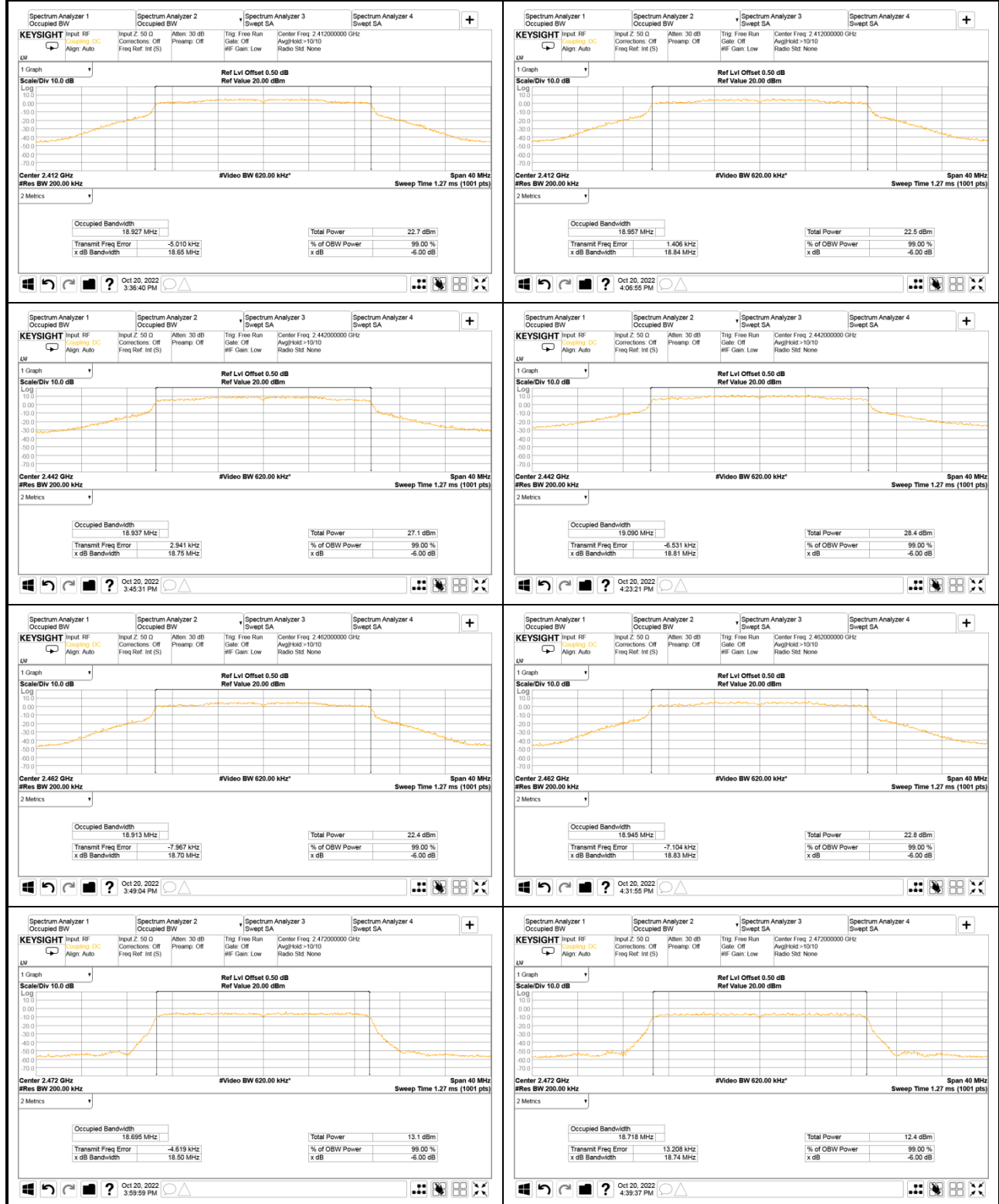
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802.11ax-HE20

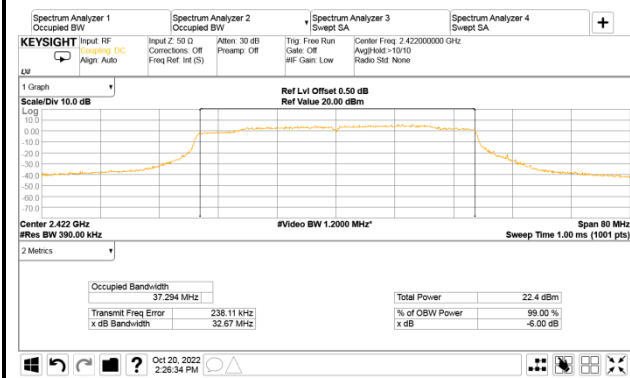
AUX

Main

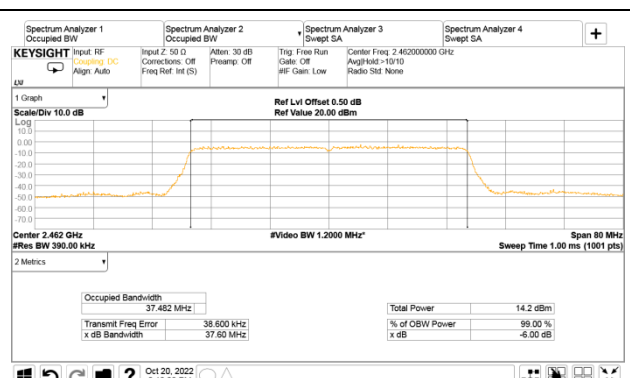
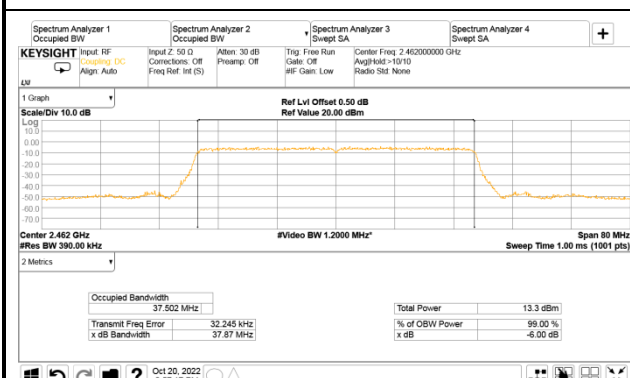
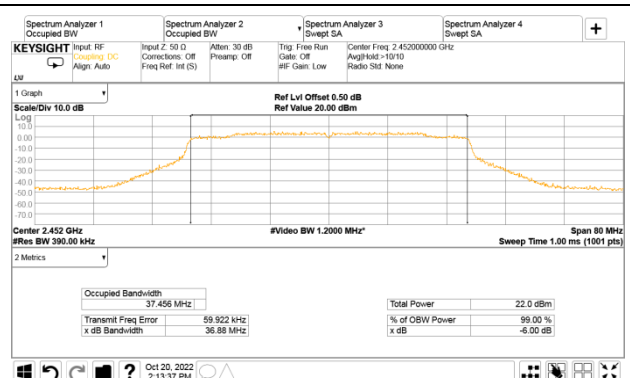
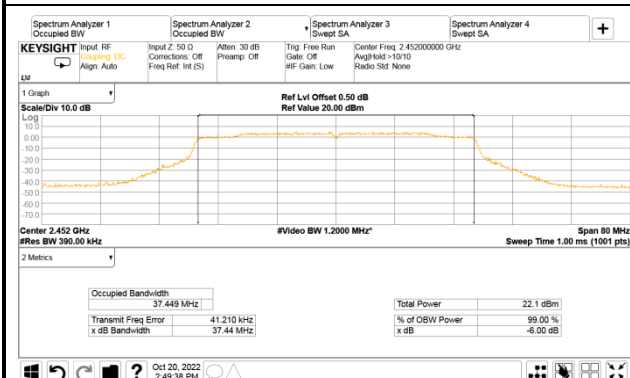
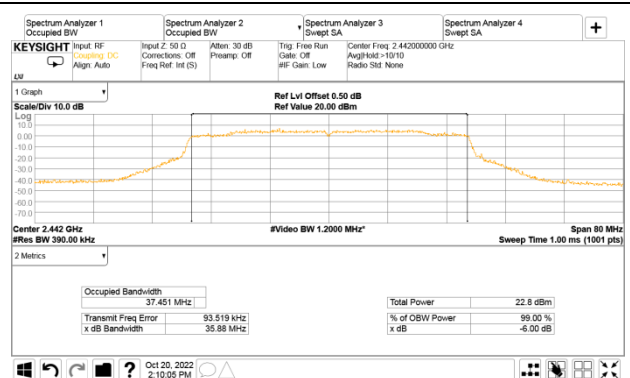
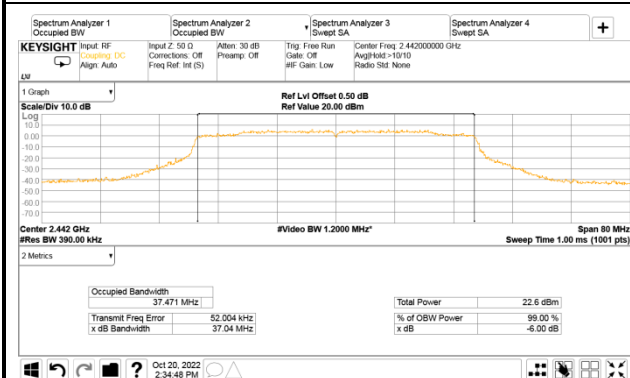
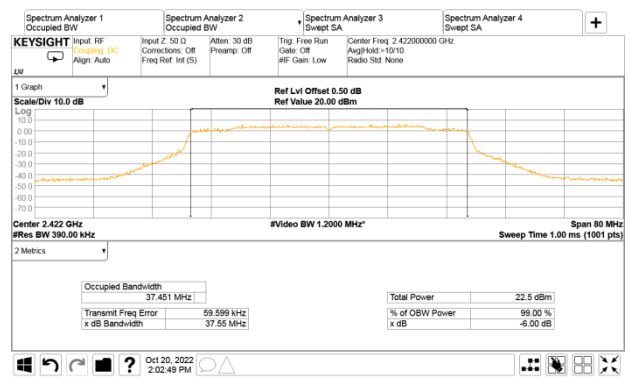


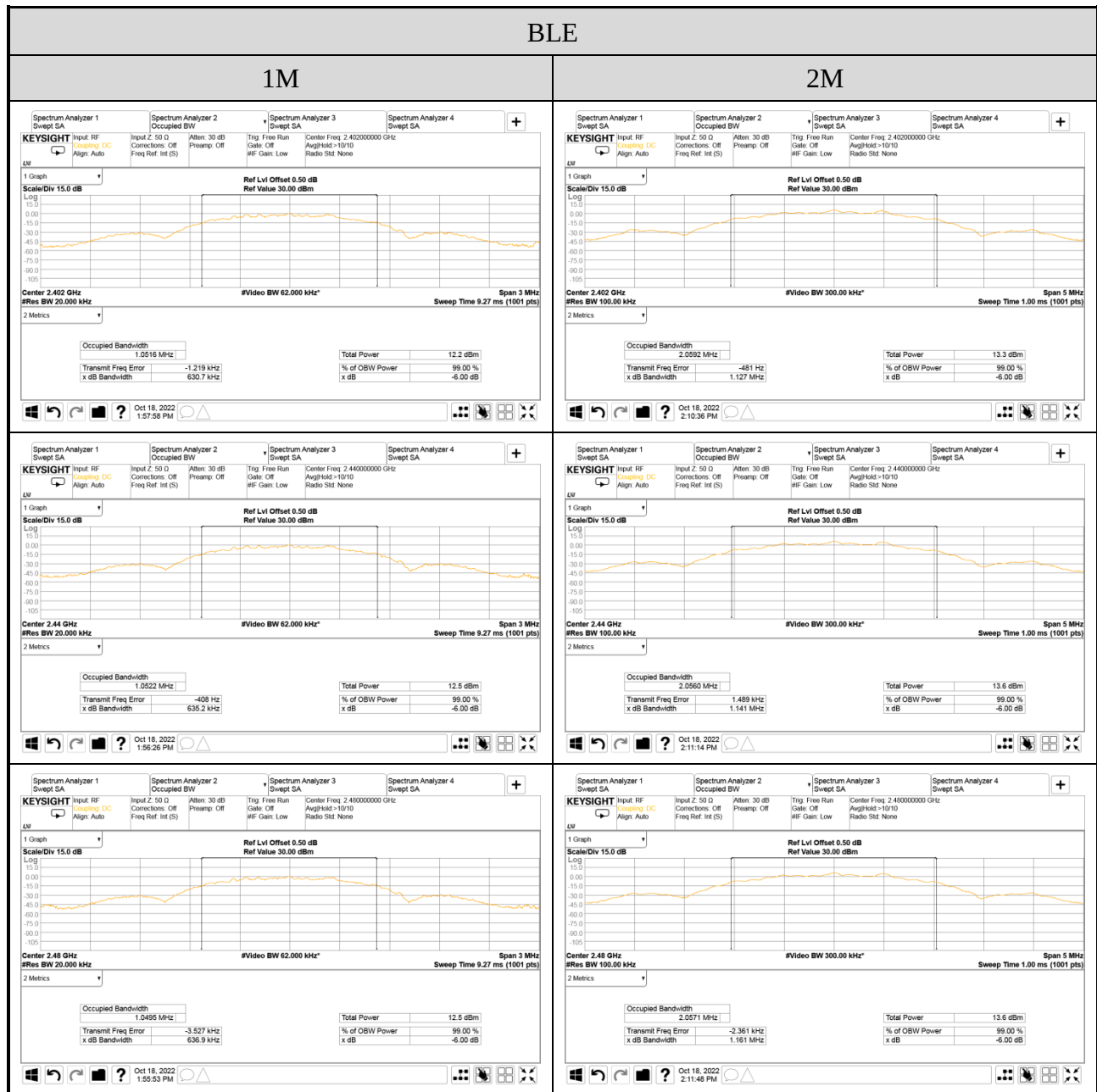
802.11ax-HE40

AUX



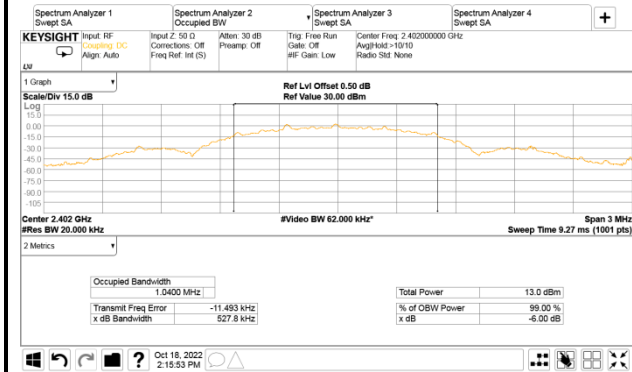
Main



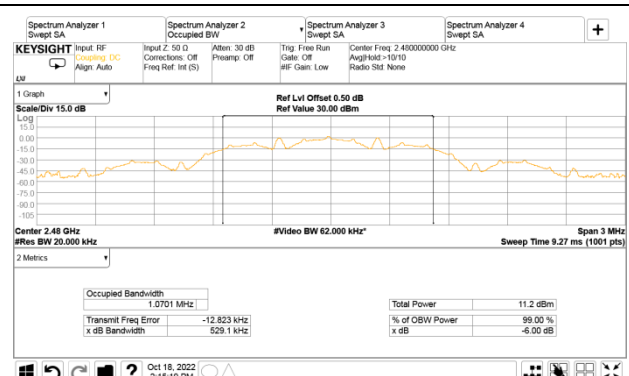
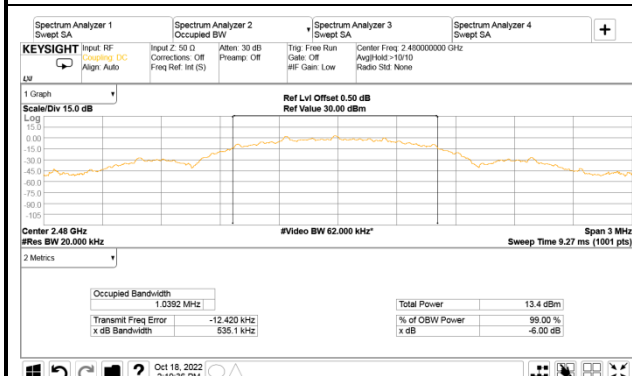
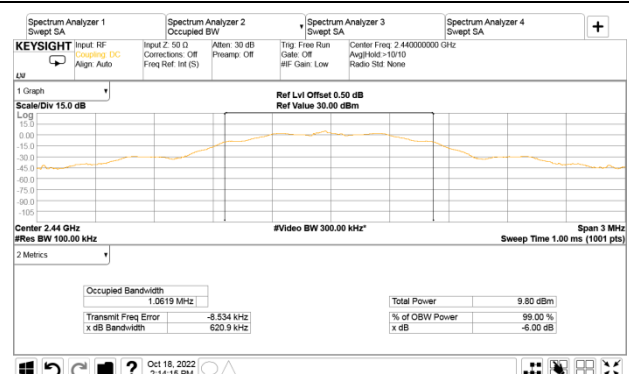
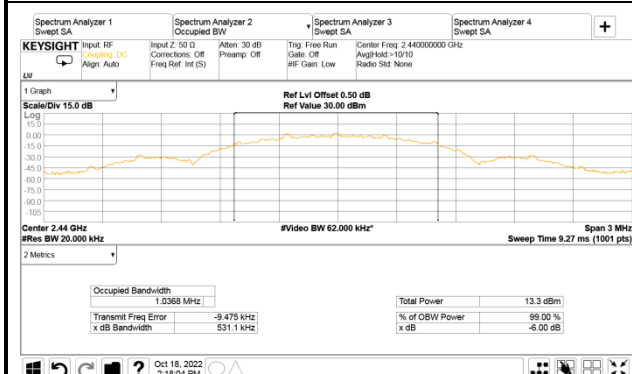
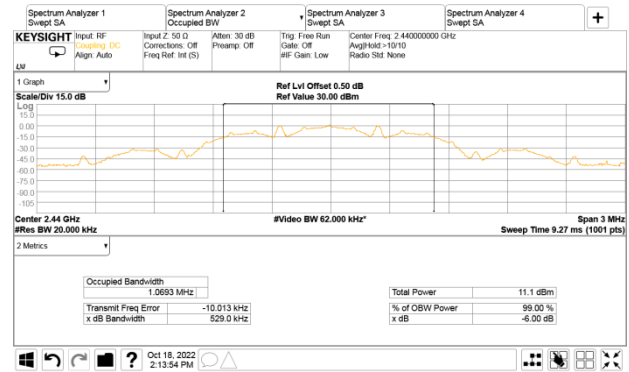


BLE

PHY Coded S2



PHY Coded S8



A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2022/10/17 ~ 26	Temp./Hum.	23~24°C/62~76%
Cable Loss	0.5dB	Tested By	Brian Hsieh
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	23.220	23.290	23.290	1.90	2.20	25.490	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	23.210	23.350	23.350	2.40	2.30	25.650	
	2462	23.260	23.140	23.260	2.40	2.30	25.660	
	2467	22.660	22.240	22.660	2.40	2.30	25.060	
	2472	20.580	19.670	20.580	2.40	2.30	22.980	
802.11g	2412	21.330	21.370	21.370	1.90	2.20	23.570	
	2417	23.170	23.510	23.510	1.90	2.20	25.710	
	2442	23.850	23.910	23.910	2.40	2.30	26.250	
	2457	23.030	22.730	23.030	2.40	2.30	25.430	
	2462	21.190	21.290	21.290	2.40	2.30	23.590	
	2467	19.130	18.970	19.130	2.40	2.30	21.530	
	2472	16.970	16.810	16.970	2.40	2.30	19.370	

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	19.090	19.290	22.201	2.05	24.251	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.320	21.650	24.498	2.05	26.548	
	2422	22.420	22.580	25.511	2.05	27.561	
	2442	23.630	23.860	26.757	2.35	29.107	
	2457	22.520	22.680	25.611	2.35	27.961	
	2462	19.420	19.550	22.496	2.35	24.846	
	2467	15.520	15.580	18.560	2.35	20.910	
	2472	11.220	11.270	14.255	2.35	16.605	
802.11n-HT40	2422	20.120	20.260	23.201	2.05	25.251	
	2442	20.910	21.480	24.215	2.35	26.565	
	2452	20.180	20.540	23.374	2.35	25.724	
	2457	15.110	15.640	18.393	2.35	20.743	
	2462	12.130	12.370	15.262	2.35	17.612	
802.11ax-HE20	2412	19.440	19.510	22.485	2.05	24.535	
	2417	21.520	21.730	24.637	2.05	26.687	
	2422	22.770	22.860	25.826	2.05	27.876	
	2442	23.760	23.880	26.831	2.35	29.181	
	2457	22.680	22.750	25.725	2.35	28.075	
	2462	19.710	19.680	22.705	2.35	25.055	
	2467	15.890	15.620	18.767	2.35	21.117	
	2472	11.490	11.520	14.515	2.35	16.865	
802.11ax-HE40	2422	20.010	19.910	22.971	2.05	25.021	
	2442	20.790	21.200	24.010	2.35	26.360	
	2452	19.560	20.200	22.902	2.35	25.252	
	2457	15.090	15.310	18.212	2.35	20.562	
	2462	12.270	12.250	15.270	2.35	17.620	

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

2400MHz: Directional gain = $10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05$ dBi

2450MHz: Directional gain = $10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35$ 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	26/30	21.150	21.200	24.185	2.05	26.235	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	21.020	21.270	24.157	2.05	26.207	
		106/53	24.220	24.110	27.176	2.05	29.226	
	2472	26/8	18.900	18.780	21.851	2.35	24.201	
		52/40	19.170	19.150	22.170	2.35	24.520	
		106/54	19.210	19.250	22.240	2.35	24.590	
802.11ax-HE40	2422	242/61	19.790	19.820	22.815	2.05	24.865	
	2462	242/62	17.970	17.730	20.862	2.35	23.212	

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

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

$$2400\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35\text{dBi}$$

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	5.850	2.20	8.050	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	6.140	2.30	8.440	
	2480	6.100	3.10	9.200	
BLE (2Mbps)	2402	5.860	2.20	8.060	
	2440	6.160	2.30	8.460	
	2480	6.110	3.10	9.210	
BLE (PHY Coded S2)	2402	5.850	2.20	8.050	
	2440	6.140	2.30	8.440	
	2480	6.080	3.10	9.180	
BLE (PHY Coded S8)	2402	5.840	2.20	8.040	
	2440	6.140	2.30	8.440	
	2480	6.090	3.10	9.190	

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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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	23.220	23.290	23.290	0.90	6.30	29.590	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	23.210	23.350	23.350	1.60	5.70	29.050	
	2462	23.260	23.140	23.260	1.60	5.70	28.840	
	2467	22.660	22.240	22.660	1.60	5.70	27.940	
	2472	20.580	19.670	20.580	1.60	5.70	25.370	
802.11g	2412	21.330	21.370	21.370	0.90	6.30	27.670	
	2417	23.170	23.510	23.510	0.90	6.30	29.810	
	2442	23.850	23.910	23.910	1.60	5.70	29.610	
	2457	23.030	22.730	23.030	1.60	5.70	28.430	
	2462	21.190	21.290	21.290	1.60	5.70	26.990	
	2467	19.130	18.970	19.130	1.60	5.70	24.670	
	2472	16.970	16.810	16.970	1.60	5.70	22.510	

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	19.090	19.290	22.201	4.42	26.621	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	21.320	21.650	24.498	4.42	28.918	
	2422	22.420	22.580	25.511	4.42	29.931	
	2442	23.630	23.860	26.757	4.11	30.867	
	2457	22.520	22.680	25.611	4.11	29.721	
	2462	19.420	19.550	22.496	4.11	26.606	
	2467	15.520	15.580	18.560	4.11	22.670	
	2472	11.220	11.270	14.255	4.11	18.365	
802.11n-HT40	2422	20.120	20.260	23.201	4.42	27.621	
	2442	20.910	21.480	24.215	4.11	28.325	
	2452	20.180	20.540	23.374	4.11	27.484	
	2457	15.110	15.640	18.393	4.11	22.503	
	2462	12.130	12.370	15.262	4.11	19.372	
802.11ax-HE20	2412	19.440	19.510	22.485	4.42	26.905	
	2417	21.520	21.730	24.637	4.42	29.057	
	2422	22.770	22.860	25.826	4.42	30.246	
	2442	23.760	23.880	26.831	4.11	30.941	
	2457	22.680	22.750	25.725	4.11	29.835	
	2462	19.710	19.680	22.705	4.11	26.815	
	2467	15.890	15.620	18.767	4.11	22.877	
	2472	11.490	11.520	14.515	4.11	18.625	
802.11ax-HE40	2422	20.010	19.910	22.971	4.42	27.391	
	2442	20.790	21.200	24.010	4.11	28.120	
	2452	19.560	20.200	22.902	4.11	27.012	
	2457	15.090	15.310	18.212	4.11	22.322	
	2462	12.270	12.250	15.270	4.11	19.380	

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

2400MHz: Directional gain = $10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42$ dBi

2450MHz: Directional gain = $10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11$ 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	26/30	21.150	21.200	24.185	4.42	28.605	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	21.020	21.270	24.157	4.42	28.577	
		106/53	24.220	24.110	27.176	4.42	31.596	
	2472	26/8	18.900	18.780	21.851	4.11	25.961	
		52/40	19.170	19.150	22.170	4.11	26.280	
		106/54	19.210	19.250	22.240	4.11	26.350	
802.11ax-HE40	2422	242/61	19.790	19.820	22.815	4.42	27.235	
	2462	242/62	17.970	17.730	20.862	4.11	24.972	

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

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

$$2400\text{MHz: Directional gain} = 10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11\text{dBi}$$

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	5.850	0.90	6.750	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	6.140	1.60	7.740	
	2480	6.100	3.50	9.600	
BLE (2Mbps)	2402	5.860	0.90	6.760	
	2440	6.160	1.60	7.760	
	2480	6.110	3.50	9.610	
BLE (PHY Coded S2)	2402	5.850	0.90	6.750	
	2440	6.140	1.60	7.740	
	2480	6.080	3.50	9.580	
BLE (PHY Coded S8)	2402	5.840	0.90	6.740	
	2440	6.140	1.60	7.740	
	2480	6.090	3.50	9.590	

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)

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	19.75	19.96	N/A	19.960	1.90	2.20	22.160	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	19.72	19.91		19.910	2.40	2.30	22.210	
	2462	19.87	19.89		19.890	2.40	2.30	22.270	
	2467	19.04	18.72		19.040	2.40	2.30	21.440	
	2472	16.68	15.69		16.680	2.40	2.30	19.080	
802.11g	2412	16.500	16.610	0.101	16.711	1.90	2.20	18.911	
	2417	18.440	18.910		19.090	1.90	2.20	23.390	
	2442	19.200	19.570		19.671	2.40	2.30	21.971	
	2457	18.300	18.110		18.401	2.40	2.30	20.801	
	2462	16.340	16.400		16.501	2.40	2.30	20.990	
	2467	14.230	13.960		14.331	2.40	2.30	16.731	
	2472	11.350	11.160		11.451	2.40	2.30	15.700	

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	14.310	14.530	N/A	17.432	2.05	19.482	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	16.490	16.710		19.612	2.05	21.662	
	2422	17.620	17.820		20.731	2.05	22.781	
	2442	19.240	19.620		22.444	2.35	24.794	
	2457	17.730	17.810		20.780	2.35	23.130	
	2462	14.550	14.690		17.631	2.35	19.981	
	2467	10.730	10.610		13.681	2.35	16.031	
	2472	5.520	5.510		8.525	2.35	10.875	
802.11n-HT40	2422	13.860	14.020	N/A	16.951	2.05	19.001	
	2442	14.710	15.180		17.962	2.35	20.312	
	2452	13.850	14.130		17.003	2.35	19.353	
	2457	9.020	9.280		12.162	2.35	14.512	
	2462	5.730	5.930		8.841	2.35	11.191	
802.11ax-HE20	2412	14.460	14.610	N/A	17.546	2.05	19.596	
	2417	16.590	16.840		19.727	2.05	21.777	
	2422	17.840	17.890		20.875	2.05	22.925	
	2442	19.330	19.730		22.545	2.35	24.895	
	2457	17.870	17.880		20.885	2.35	23.235	
	2462	14.720	14.760		17.750	2.35	20.100	
	2467	10.900	10.700		13.811	2.35	16.161	
	2472	5.420	5.430		8.435	2.35	10.785	
802.11ax-HE40	2422	13.570	13.870	N/A	16.733	2.05	18.783	
	2442	14.500	14.900		17.715	2.35	20.065	
	2452	13.520	13.880		16.714	2.35	19.064	
	2457	8.830	9.060		11.957	2.35	14.307	
	2462	5.300	5.540		8.432	2.35	10.782	

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

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

$$2400\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35\text{dBi}$$

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	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	26/30	16.390	16.650	0.306	19.838	2.05	21.888	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	16.370	16.620	0.159	19.666	2.05	21.716	
		106/53	12.940	13.320	N/A	16.144	2.05	18.194	
	2472	26/8	5.080	5.270	0.306	8.492	2.35	10.842	
		52/40	5.990	6.060	0.159	9.194	2.35	11.544	
		106/54	6.240	6.210	N/A	9.235	2.35	11.585	
802.11ax-HE40	2422	242/61	14.490	14.830	0.164	17.838	2.05	19.888	
	2462	242/62	6.230	6.360	0.164	9.470	2.35	11.820	

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

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

$$2400\text{MHz: Directional gain} = 10 \log[(10^{1.9/10} + 10^{2.2/10})/2] = 2.05\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{2.4/10} + 10^{2.3/10})/2] = 2.35\text{dBi}$$

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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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	19.75	19.96	N/A	19.960	0.90	6.30	26.260	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2442	19.72	19.91		19.910	1.60	5.70	25.610	
	2462	19.87	19.89		19.890	1.60	5.70	25.590	
	2467	19.04	18.72		19.040	1.60	5.70	24.420	
	2472	16.68	15.69		16.680	1.60	5.70	21.390	
802.11g	2412	16.500	16.610	0.101	16.711	0.90	6.30	23.011	
	2417	18.440	18.910		19.090	0.90	6.30	23.390	
	2442	19.200	19.570		19.671	1.60	5.70	25.371	
	2457	18.300	18.110		18.401	1.60	5.70	23.911	
	2462	16.340	16.400		16.501	1.60	5.70	20.990	
	2467	14.230	13.960		14.331	1.60	5.70	19.761	
	2472	11.350	11.160		11.451	1.60	5.70	15.700	

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	14.310	14.530	N/A	17.432	4.42	21.852	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2417	16.490	16.710		19.612	4.42	24.032	
	2422	17.620	17.820		20.731	4.42	25.151	
	2442	19.240	19.620		22.444	4.11	26.554	
	2457	17.730	17.810		20.780	4.11	24.890	
	2462	14.550	14.690		17.631	4.11	21.741	
	2467	10.730	10.610		13.681	4.11	17.791	
	2472	5.520	5.510		8.525	4.11	12.635	
802.11n-HT40	2422	13.860	14.020	N/A	16.951	4.42	21.371	
	2442	14.710	15.180		17.962	4.11	22.072	
	2452	13.850	14.130		17.003	4.11	21.113	
	2457	9.020	9.280		12.162	4.11	16.272	
	2462	5.730	5.930		8.841	4.11	12.951	
802.11ax-HE20	2412	14.460	14.610	N/A	17.546	4.42	21.966	
	2417	16.590	16.840		19.727	4.42	24.147	
	2422	17.840	17.890		20.875	4.42	25.295	
	2442	19.330	19.730		22.545	4.11	26.655	
	2457	17.870	17.880		20.885	4.11	24.995	
	2462	14.720	14.760		17.750	4.11	21.860	
	2467	10.900	10.700		13.811	4.11	17.921	
	2472	5.420	5.430		8.435	4.11	12.545	
802.11ax-HE40	2422	13.570	13.870	N/A	16.733	4.42	21.153	
	2442	14.500	14.900		17.715	4.11	21.825	
	2452	13.520	13.880		16.714	4.11	20.824	
	2457	8.830	9.060		11.957	4.11	16.067	
	2462	5.300	5.540		8.432	4.11	12.542	

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

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

$$2400\text{MHz: Directional gain} = 10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42\text{dBi}$$

$$2450\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11\text{dBi}$$

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	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	26/30	16.390	16.650	0.306	19.838	4.42	24.258	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
		52/37	16.370	16.620	0.159	19.666	4.42	24.086	
		106/53	12.940	13.320	N/A	16.144	4.42	20.564	
	2472	26/8	5.080	5.270	0.306	8.492	4.11	12.602	
		52/40	5.990	6.060	0.159	9.194	4.11	13.304	
		106/54	6.240	6.210	N/A	9.235	4.11	13.345	
802.11ax-HE40	2422	242/61	14.490	14.830	0.164	17.838	4.42	22.258	
	2462	242/62	6.230	6.360	0.164	9.470	4.11	13.580	

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

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

2400MHz: Directional gain = $10 \log[(10^{0.9/10} + 10^{6.3/10})/2] = 4.42$ dBi

2450MHz: Directional gain = $10 \log[(10^{1.6/10} + 10^{5.7/10})/2] = 4.11$ 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).