

## A.3 MAXIMUM OUTPUT POWER AND EMISSION/OCCUPIED

### BANDWIDTH

Test Date	2022/10/17 ~ 25	Temp./Hum.	23 ~ 24°C/60 ~ 76%
Cable Loss	1.0dB	Tested By	Brian Hsieh
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

#### A.3.1 Average Output Power and Emission/Occupied Bandwidth

Mode 802.11a	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Max Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11dB m+10 log B) <sup>Note 3</sup>		
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main						
		Aux	Main	Aux	Main								
U-NII Band 1	5180	23.59	23.98	16.682	16.681	16.610	16.980	0.101	24	N/A			
	5200	23.26	23.01	16.645	16.626	16.690	16.790						
	5240	23.02	23.14	16.678	16.657	16.920	16.740						
U-NII Band 2A	5260	23.25	21.60	16.663	16.581	16.790	16.910				17.011	24	24.34
	5300	23.51	22.87	16.663	16.632	16.710	16.870						
	5320	23.00	23.17	16.693	16.681	16.680	16.980						
5500	22.99	23.26	16.664	16.680	17.240	16.980							
U-NII Band 2C	5580	23.23	23.20	16.675	16.658	16.940	17.000				17.101	24	24.62
	5700	23.38	23.39	16.680	16.595	17.210	17.040						
	5720	23.28	23.59	16.624	16.635	17.170	17.100						
	5720	23.28	23.59	16.624	16.635	17.170	17.100						
U-NII Band 3	5745	15.09	15.43	16.655	16.612	17.140	17.000				0.101	30	N/A
	5785	15.36	14.98	16.657	16.715	17.270	16.950						
	5825	15.47	15.12	16.660	16.616	17.320	16.810						

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

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

3. B is the 26 dB emission bandwidth.

Mode 802.11n-HT20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11dB m+10 log B) <sup>Note 3</sup>		
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main						
		Aux	Main	Aux	Main								
U-NII Band 1	5180	23.96	23.82	17.761	17.770	16.540	16.500	N/A	24	N/A			
	5200	23.34	23.51	17.758	17.756	16.450	16.520						
	5240	23.67	23.35	17.765	17.758	16.610	16.670						
U-NII Band 2A	5260	23.59	23.41	17.745	17.773	16.350	16.650						
	5300	23.55	23.19	17.771	17.757	15.940	16.480						
	5320	24.11	23.80	17.774	17.756	16.370	16.510						
U-NII Band 2C	5500	23.89	23.23	17.768	17.740	16.630	16.610						
	5580	23.14	23.20	17.776	17.778	16.860	16.600						
	5700	22.77	24.19	17.755	17.720	16.870	16.660						
	5720	23.51	24.06	17.739	17.789	16.930	16.670						
U-NII Band 3	5745	13.82	16.88	17.743	17.759	16.980	16.690				N/A	30	N/A
	5785	15.07	15.00	17.727	17.763	16.970	16.570						
	5825	13.80	15.37	17.764	17.751	17.010	16.370						

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

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

3. B is the 26 dB emission bandwidth.

Mode 802.11n-HT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11dB m+10 log B) <sup>Note 3</sup>		
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main						
		Aux	Main	Aux	Main								
U-NII Band 1	5190	42.55	41.95	36.075	35.963	15.370	15.520	N/A	24	N/A			
	5230	42.84	41.01	36.001	35.951	16.960	16.920				18.456		
U-NII Band 2A	5270	42.12	41.64	36.015	36.031	16.880	16.950			19.950	27.20		
	5310	42.42	41.41	36.027	36.068	15.020	15.270			19.925	27.17		
U-NII Band 2C	5510	43.37	41.24	36.052	36.051	17.080	17.010			20.055	27.15		
	5550	41.90	42.09	36.044	36.005	17.310	17.160			20.246	27.22		
	5670	41.87	41.98	36.031	36.001	17.220	16.930			20.088	27.22		
	5710	41.96	41.48	36.055	36.019	17.350	17.010			20.194	27.18		
Mode 802.11n-HT40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)				Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11dB m+10 log B) <sup>Note 3</sup>
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main						
		Aux	Main	Aux	Main								
U-NII Band 3	5755	35.06	35.45	36.036	36.023	17.390	17.060	N/A	30	N/A			
	5795	32.67	35.71	36.043	35.983	17.440	16.830				20.238		
								20.156					

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

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

3. B is the 26 dB emission bandwidth.

Mode 802.11ac- VHT80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11dB m+10 log B) <sup>Note 3</sup>
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main				
		Aux	Main	Aux	Main						
U-NII Band 1	5210	83.16	83.86	75.103	75.135	14.010	14.050	N/A	17.040	24	N/A
U-NII Band 2A	5290	82.28	82.84	75.122	74.996	14.070	14.360		17.228		30.15
U-NII Band 2C	5530	83.01	82.04	75.099	75.044	14.170	14.170		17.180		30.14
	5610	88.07	82.72	75.299	75.055	16.490	16.380		19.446		30.18
	5690	85.09	82.79	75.241	75.204	16.500	16.500		19.510		30.18
Mode 802.11ac- VHT80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)			Duty Cycle Factor (dB) 10log(1/X)		Total Average Output Power (dBm) <sup>Note 2</sup>
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main				
		Aux	Main	Aux	Main						
U-NII Band 3	5775	73.88	75.16	75.095	75.196	16.850	16.780	N/A	19.825	30	N/A

Mode 802.11ac- VHT160	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11dB m+10 log B) <sup>Note 3</sup>
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main				
		Aux	Main	Aux	Main						
U-NII Band 1/2A	5250	161.60	161.00	153.410	153.330	11.290	10.960	N/A	14.138	24	33.07
U-NII Band 2C	5570	163.40	161.10	153.510	153.490	13.960	14.030		17.005		33.07

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

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

3. B is the 26 dB emission bandwidth.

Mode 802.11ax- HE20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(1 dB m+10 log B) <sup>Note 3</sup>						
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main										
		Aux	Main	Aux	Main												
U-NII Band 1	5180	24.18	23.62	18.923	18.943	16.560	16.150	N/A	24	N/A							
	5200	23.49	23.35	18.892	18.905	16.610	16.250										
	5240	23.95	23.95	18.902	18.942	16.770	16.620										
U-NII Band 2A	5260	23.54	23.25	18.886	18.904	16.570	16.590			N/A	24	24.66					
	5300	22.98	23.50	18.940	18.892	16.540	16.580					24.61					
	5320	22.85	23.56	18.920	18.895	16.510	16.570					24.59					
U-NII Band 2C	5500	23.65	23.45	18.902	18.917	16.780	16.700					N/A	24	24.70			
	5580	23.19	24.45	18.913	18.917	17.030	16.690							24.65			
	5700	23.22	23.33	18.844	18.901	16.990	16.650							24.66			
	5720	23.18	22.82	18.915	18.891	16.950	16.790							24.58			
Mode 802.11ax- HE20	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)								Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(1 dB m+10 log B) <sup>Note 3</sup>
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main										
		Aux	Main	Aux	Main												
U-NII Band 3	5745	16.40	16.60	18.848	18.944	17.070	16.720	N/A	30					N/A			
	5785	16.17	12.13	18.897	18.889	17.110	16.730										
	5825	13.79	16.24	18.893	18.872	17.170	16.450										

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

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

3. B is the 26 dB emission bandwidth.

Mode 802.11ax- HE40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11 dB m+10 log B) <sup>Note 3</sup>		
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main						
		Aux	Main	Aux	Main								
U-NII Band 1	5190	41.41	41.00	37.623	37.520	15.050	15.160	N/A	24	N/A			
	5230	41.81	42.41	37.543	37.525	16.730	16.670						
U-NII Band 2A	5270	41.24	40.90	37.526	37.513	16.650	16.690			19.680	27.12		
	5310	41.91	40.87	37.497	37.448	14.730	15.020			17.888	27.11		
U-NII Band 2C	5510	41.04	42.02	37.552	37.445	16.890	16.730			19.821	27.13		
	5550	41.53	42.38	37.489	37.610	17.090	16.810			19.963	27.18		
	5670	41.16	41.05	37.450	37.498	16.970	16.650			19.823	27.13		
	5710	43.56	41.94	37.560	37.572	17.120	16.830			19.988	27.23		
Mode 802.11ax- HE40	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)				Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11 dB m+10 log B) <sup>Note 3</sup>
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main						
		Aux	Main	Aux	Main								
U-NII Band 3	5755	33.86	31.37	37.560	37.456	17.110	16.780	N/A	30	N/A			
	5795	35.14	32.22	37.442	37.563	17.180	16.650				19.933		

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

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

3. B is the 26 dB emission bandwidth.

Mode 802.11ax- HE80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11 dB m+10 log B) <sup>Note 3</sup>
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main				
		Aux	Main	Aux	Main						
U-NII Band 1	5210	82.20	81.52	76.454	76.635	13.730	13.740	N/A	24	N/A	
U-NII Band 2A	5290	82.71	81.83	76.546	76.739	13.900	14.090			17.006	30.13
U-NII Band 2C	5530	81.73	82.27	76.629	76.612	13.900	13.880			16.900	30.12
	5610	82.18	83.78	76.664	76.603	16.240	16.160			19.210	30.15
	5690	82.33	82.55	76.767	76.661	16.270	16.230			19.260	30.16
Mode 802.11ax- HE80	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)				Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>
		Emission (6dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main				
		Aux	Main	Aux	Main						
U-NII Band 3	5775	75.20	73.91	76.814	76.713	16.540	16.580	N/A	30	N/A	

Mode 802.11ax- HE160	Centre Frequency (MHz)	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11 dB m+10 log B) <sup>Note 3</sup>
		Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main				
		Aux	Main	Aux	Main						
U-NII Band 1/2A	5250	162.30	162.90	155.07	155.06	11.10	10.76	0.092	24	33.10	
U-NII Band 2C	5570	162.40	162.20	155.16	155.42	13.74	13.83			16.888	33.10

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

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

3. B is the 26 dB emission bandwidth.

Mode 802.11ax- HE20	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/ X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11 dBm+1 0 log B) <sup>Note 3</sup>	
			Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main					
			Aux	Main	Aux	Main							
U-NII Band 1	5180	26/0	24.18	23.62	18.923	18.943	9.560	9.760	0.164	12.835	24	N/A	
			52/37	24.18	23.62	18.923	18.943	13.220	13.210	0.146			16.371
			106/53	24.18	23.62	18.923	18.943	15.860	15.660	N/A			18.771
U-NII Band 2A	5320	26/8	22.85	23.56	18.920	18.895	9.520	9.570	0.164	12.719	24	24.59	
			52/40	22.85	23.56	18.920	18.895	13.130	13.020	0.146			16.232
			106/54	22.85	23.56	18.920	18.895	15.620	15.610	N/A			18.625
U-NII Band 2C	5500	26/0	23.65	23.45	18.902	18.917	9.960	9.770	0.164	13.040	24	24.70	
			52/37	23.65	23.45	18.902	18.917	13.350	13.270	0.146			16.466
			106/53	23.65	23.45	18.902	18.917	15.240	15.190	N/A			18.225
	5700	26/8	23.22	23.33	18.844	18.901	9.480	9.550	0.164	12.689			
			52/40	23.22	23.33	18.844	18.901	13.140	13.090	0.146			16.271
			106/54	23.22	23.33	18.844	18.901	16.180	15.970	N/A			19.087
U-NII Band 3	5745	26/0	16.40	16.60	18.848	18.944	15.820	15.550	0.164	18.861	30	N/A	
			52/37	16.40	16.60	18.848	18.944	13.090	13.040	0.146			16.221
			106/53	16.40	16.60	18.848	18.944	17.150	17.080	N/A			20.125
5825	26/8	13.79	16.24	18.893	18.872	15.940	15.370	0.164	18.839				
		52/40	13.79	16.24	18.893	18.872	13.370	13.000	0.146	16.345			
		106/54	13.79	16.24	18.893	18.872	17.460	16.950	N/A	20.223			

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

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

3. B is the 26 dB emission bandwidth.



Mode 802.11ax- HE40	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note2</sup>	Limit (dBm)	Limit(1 1dBm+ 10 log B) <sup>Note3</sup>
			Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main				
			Aux	Main	Aux	Main						
U-NII Band 1	5190	242/61	41.41	41.00	37.623	37.520	16.160	16.170	0.164	24	N/A	
U-NII Band 2A	5310	242/62	41.91	40.87	37.497	37.448	15.770	15.970				
U-NII Band 2C	5510	242/61	41.04	42.02	37.552	37.445	16.830	16.910				
	5670	242/62	41.16	41.05	37.450	37.498	17.350	17.360				
U-NII Band 3	5755	242/61	33.86	31.37	37.560	37.456	17.030	16.950	0.164	30	N/A	
	5795	242/62	35.14	32.22	37.442	37.563	17.580	17.220				

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

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

3. B is the 26 dB emission bandwidth.

Mode 802.11ax- HE80	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11d Bm+10 log B) <sup>Note 3</sup>
			Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main				
			Aux	Main	Aux	Main						
U-NII Band 1	5210	484/65	82.20	81.52	76.454	76.635	14.120	14.220	0.092	24	N/A	
U-NII Band 2A	5290	484/66	82.71	81.83	76.546	76.739	12.010	11.960				
U-NII Band 2C	5530	484/65	81.73	82.27	76.629	76.612	15.120	15.290				
	5610	484/66	82.18	83.78	76.664	76.603	17.150	17.020				
U-NII Band 3	5775	484/65	75.20	73.91	76.814	76.713	17.140	17.090	0.092	30	N/A	
		484/66	75.20	73.91	76.814	76.713	17.110	16.960				

Mode 802.11ax- HE160	Centre Frequency (MHz)	RU Configuration	Bandwidth(MHz)				Average Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Total Average Output Power (dBm) <sup>Note 2</sup>	Limit (dBm)	Limit(11d Bm+10 log B) <sup>Note 3</sup>
			Emission (26dB) Bandwidth		Occupied (99%) Bandwidth		Aux	Main				
			Aux	Main	Aux	Main						
U-NII Band 1/2A	5250	996/97	162.30	162.90	155.07	155.06	13.810	14.010	0.177	24	33.10	
		996/S67	162.30	162.90	155.07	155.06	12.190	12.410				
U-NII Band 2C	5570	996/97	162.40	162.20	155.16	155.42	14.060	14.160				
		996/S67	162.40	162.20	155.16	155.42	17.600	17.550				

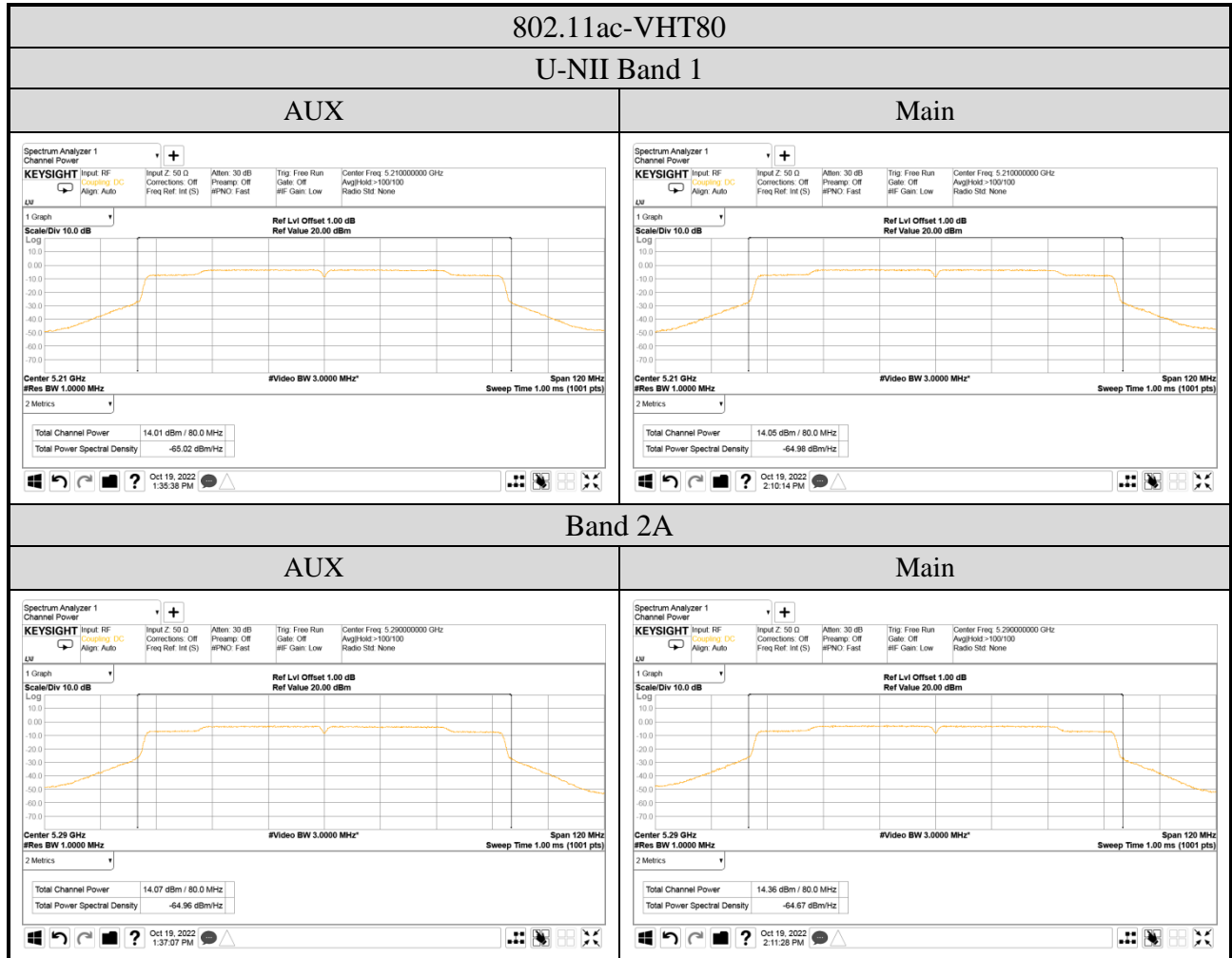
Note: 1. The results have been included cable loss.

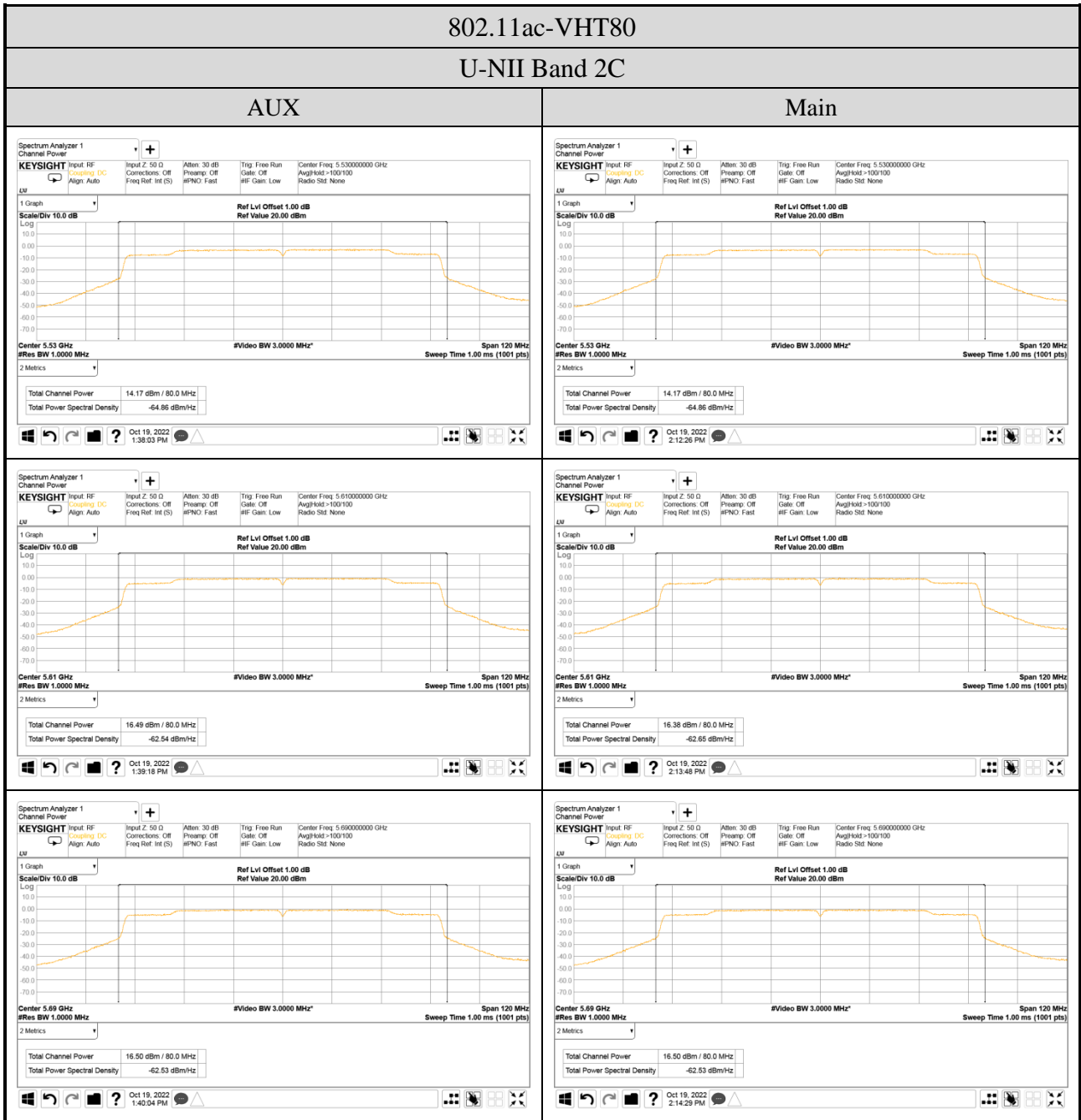
2. According to KDB 662911 D01 E)1), Total average output power(dBm) = Sum to individual output power (dBm)+ duty cycle factor(dB) when duty cycle is less than 98%.

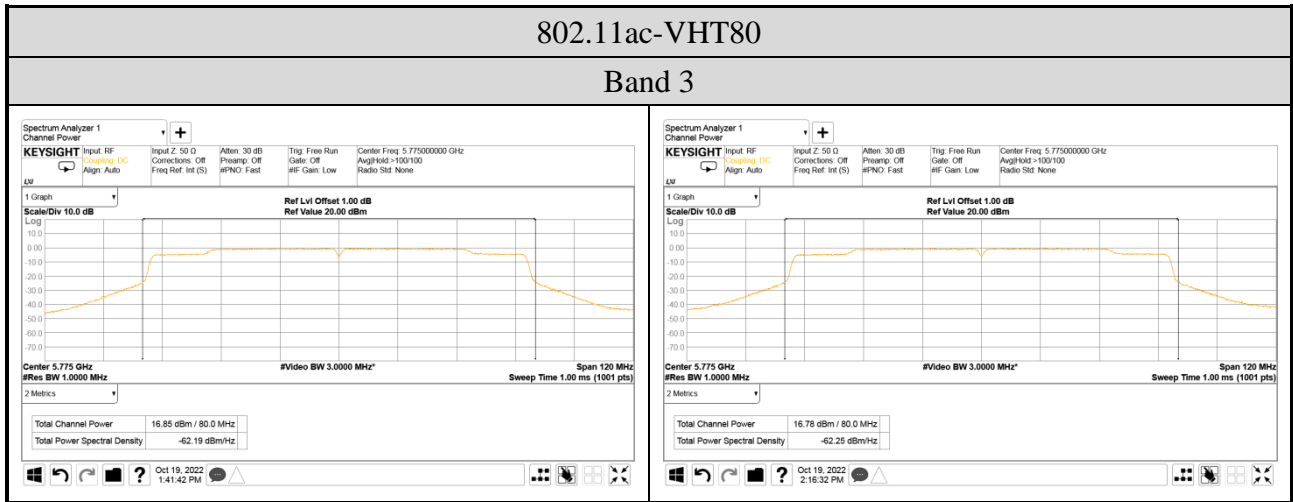
3. B is the 26 dB emission bandwidth

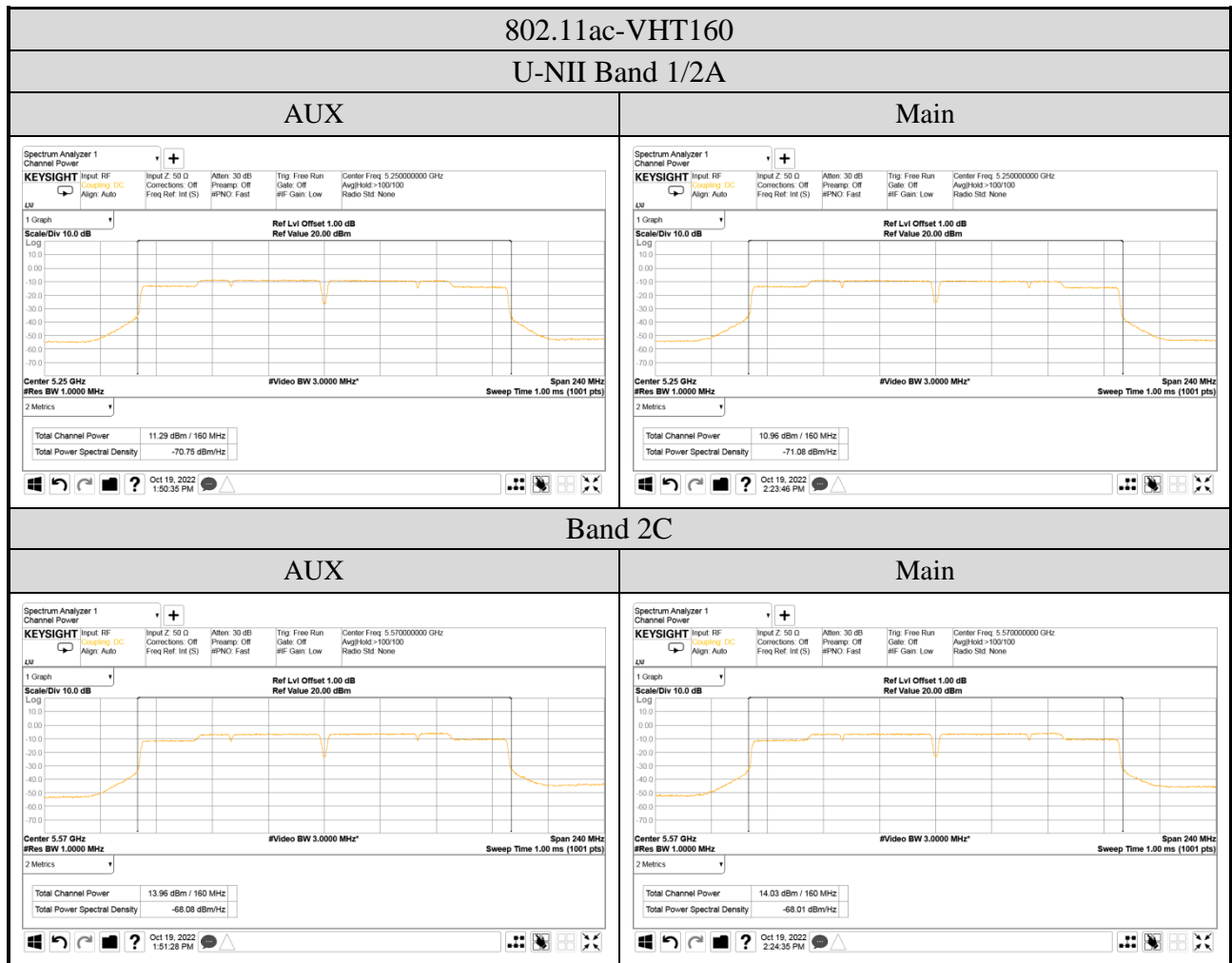
A.3.2 Measurement Plots

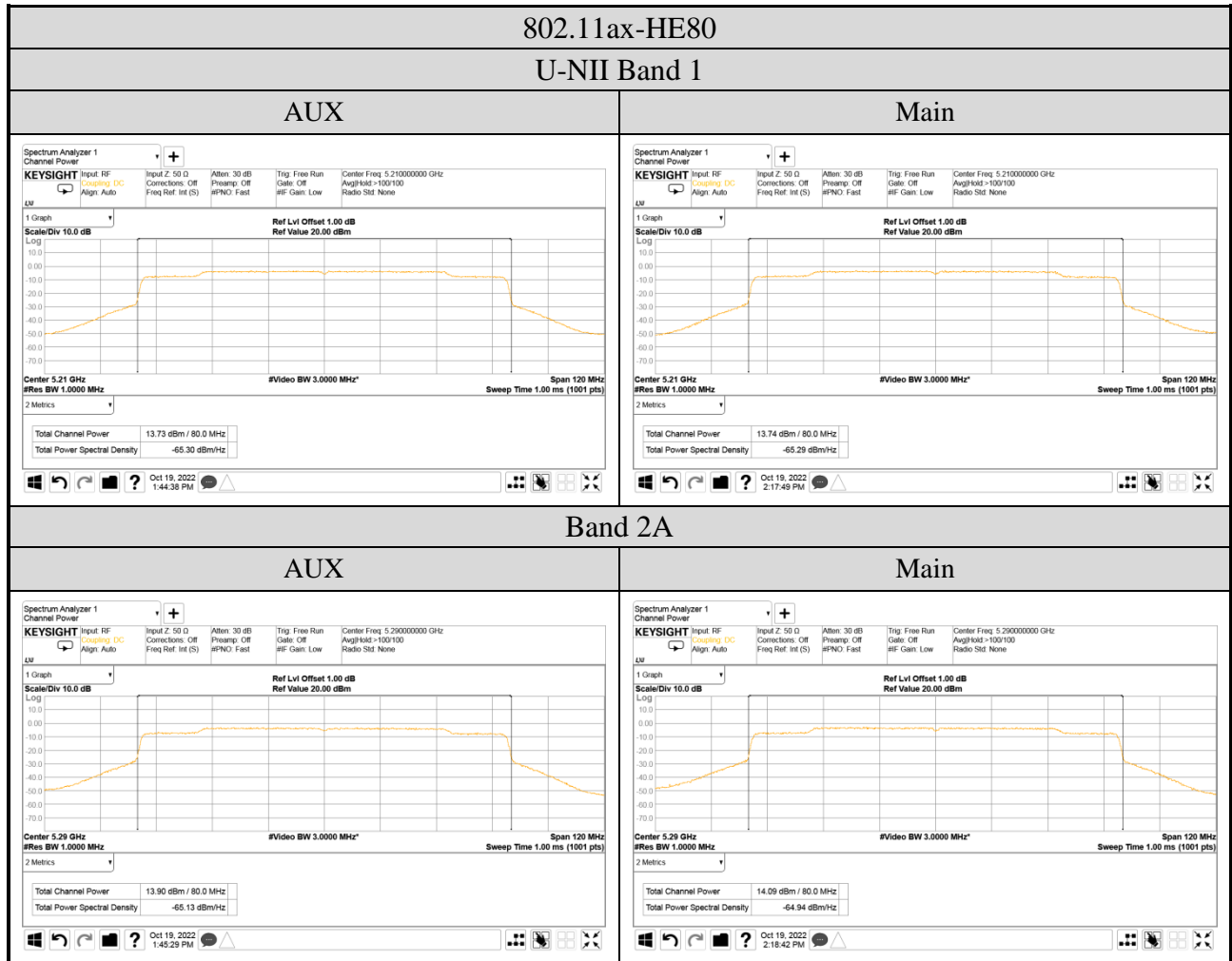
- Maximum Output Power

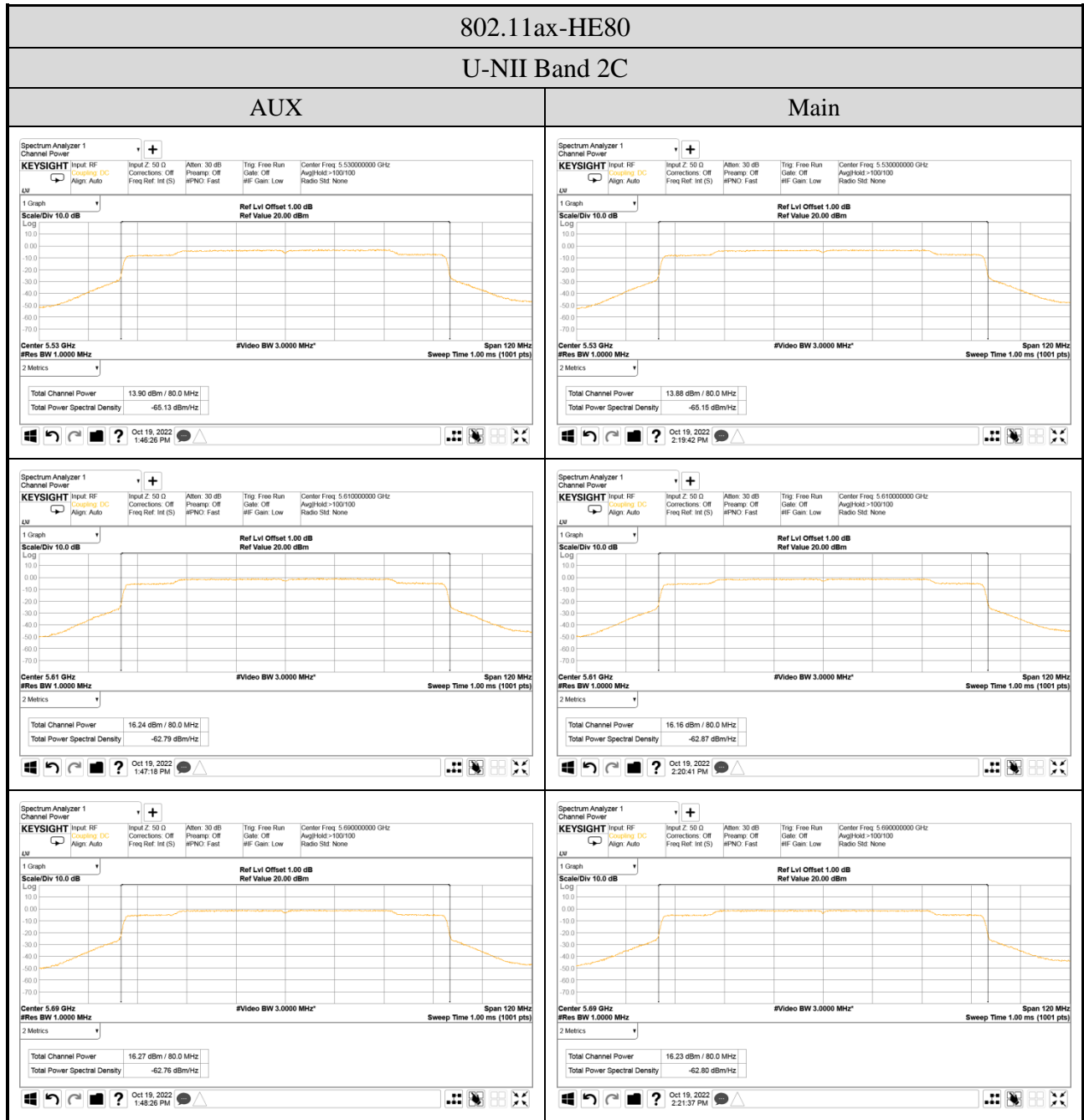








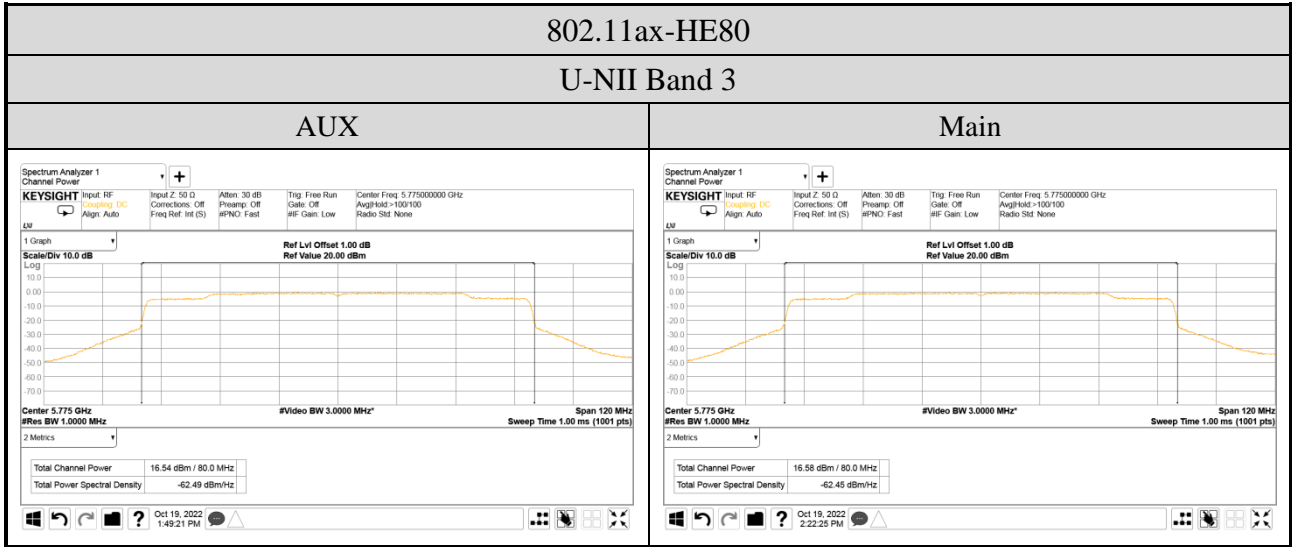


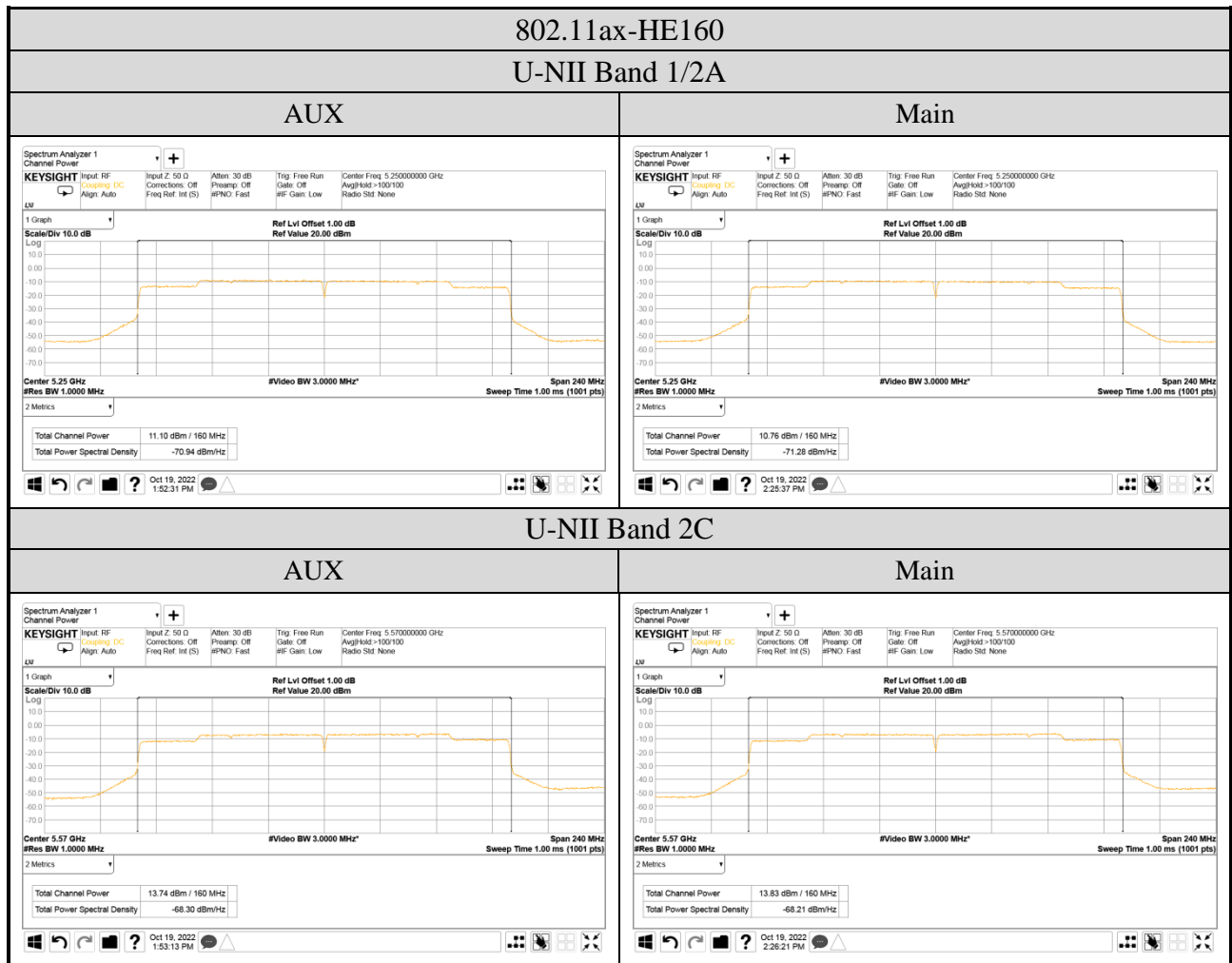


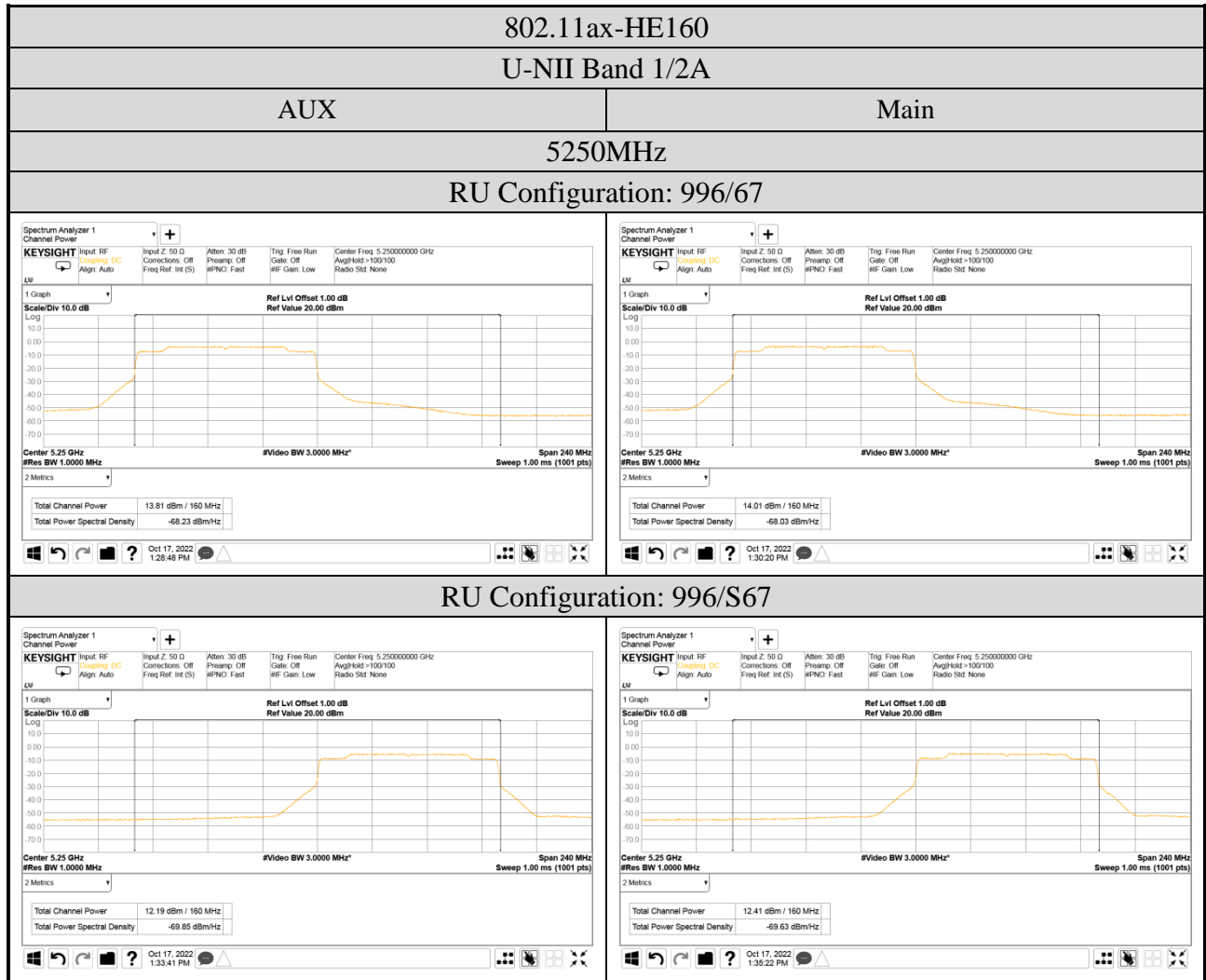


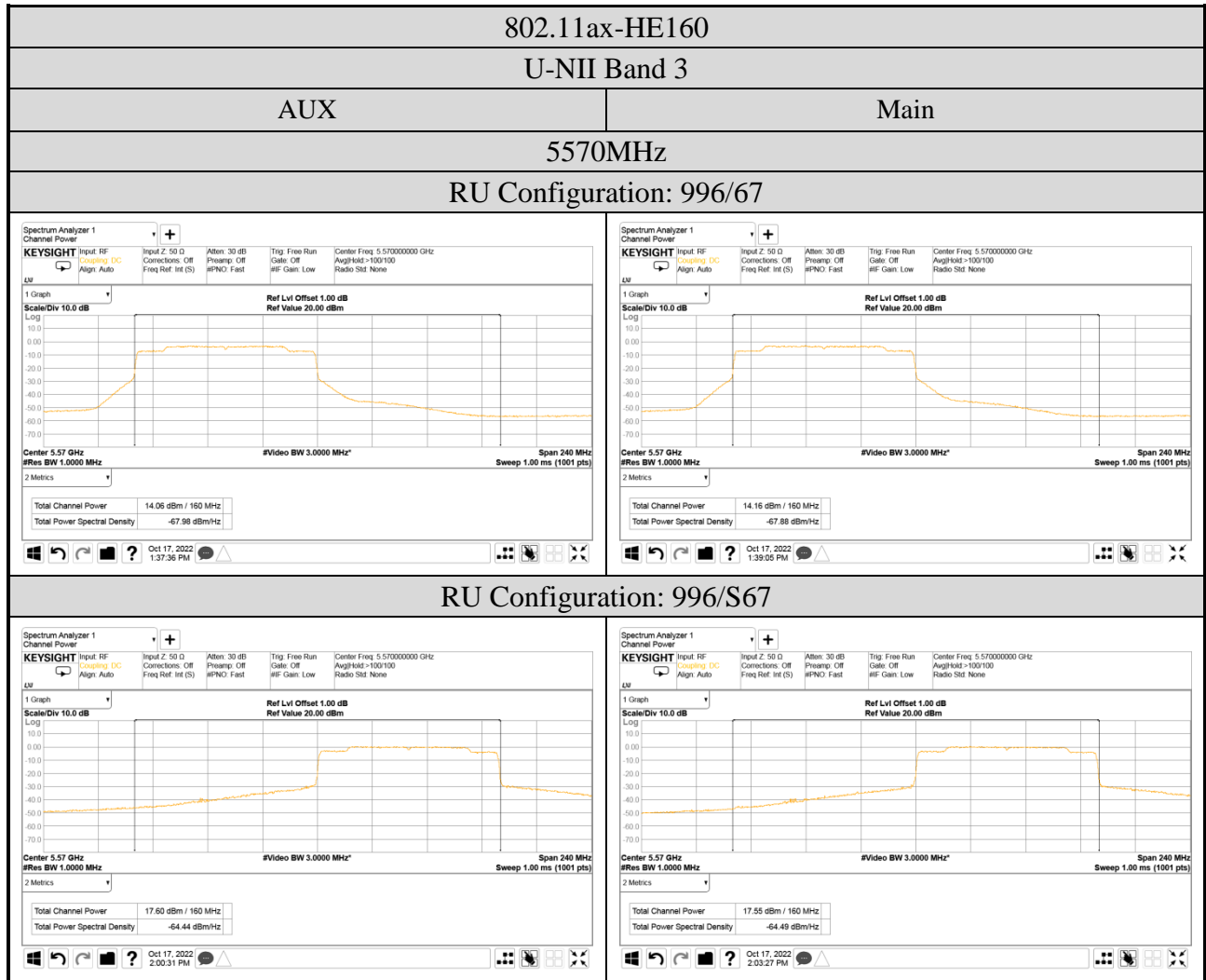
**Audix Technology Corp.**  
 No. 491, Zhongfu Rd., Linkou Dist.,  
 New Taipei City 244, Taiwan

**Tel: +886 2 26099301**  
**Fax: +886 2 26099303**

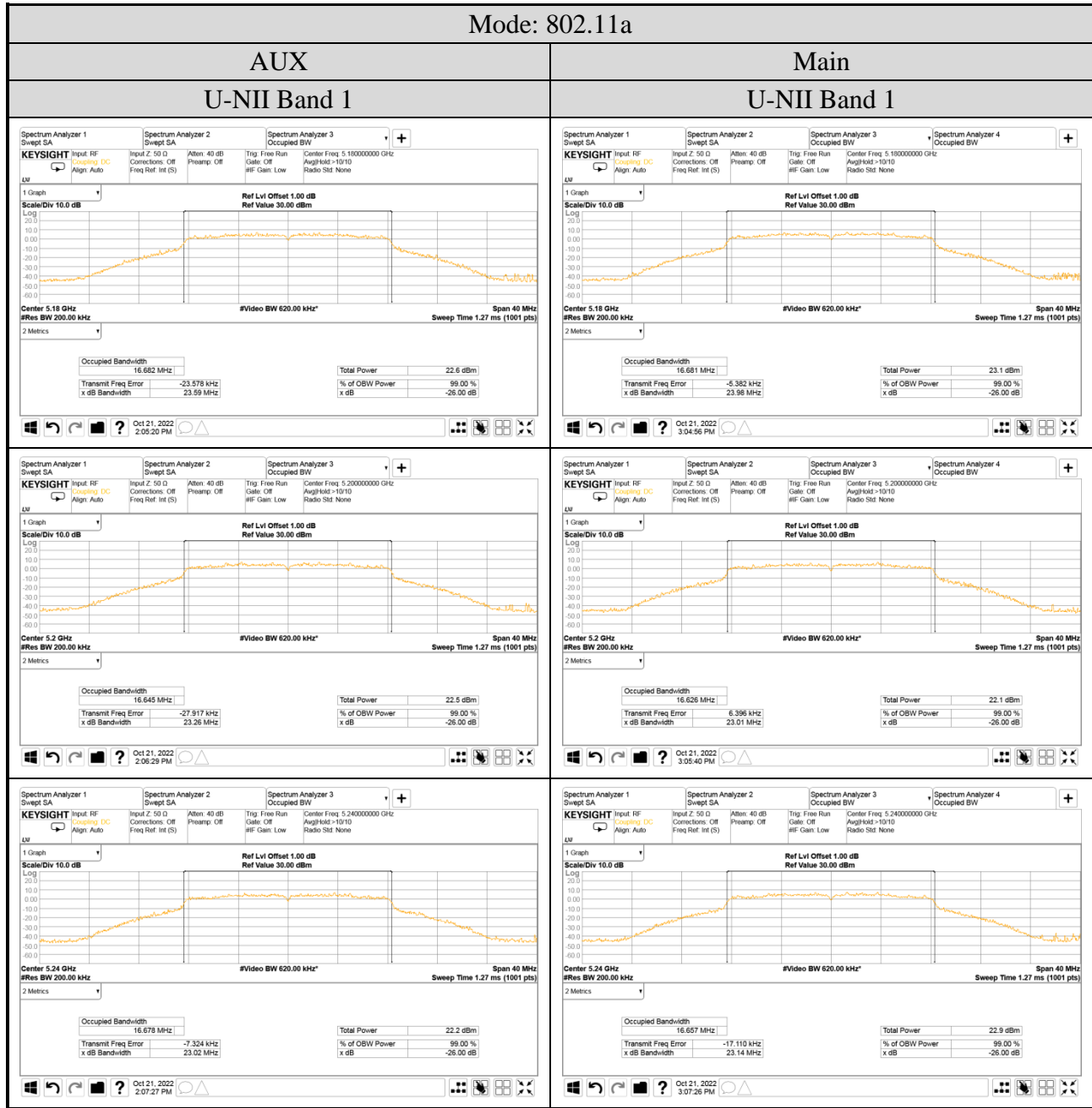


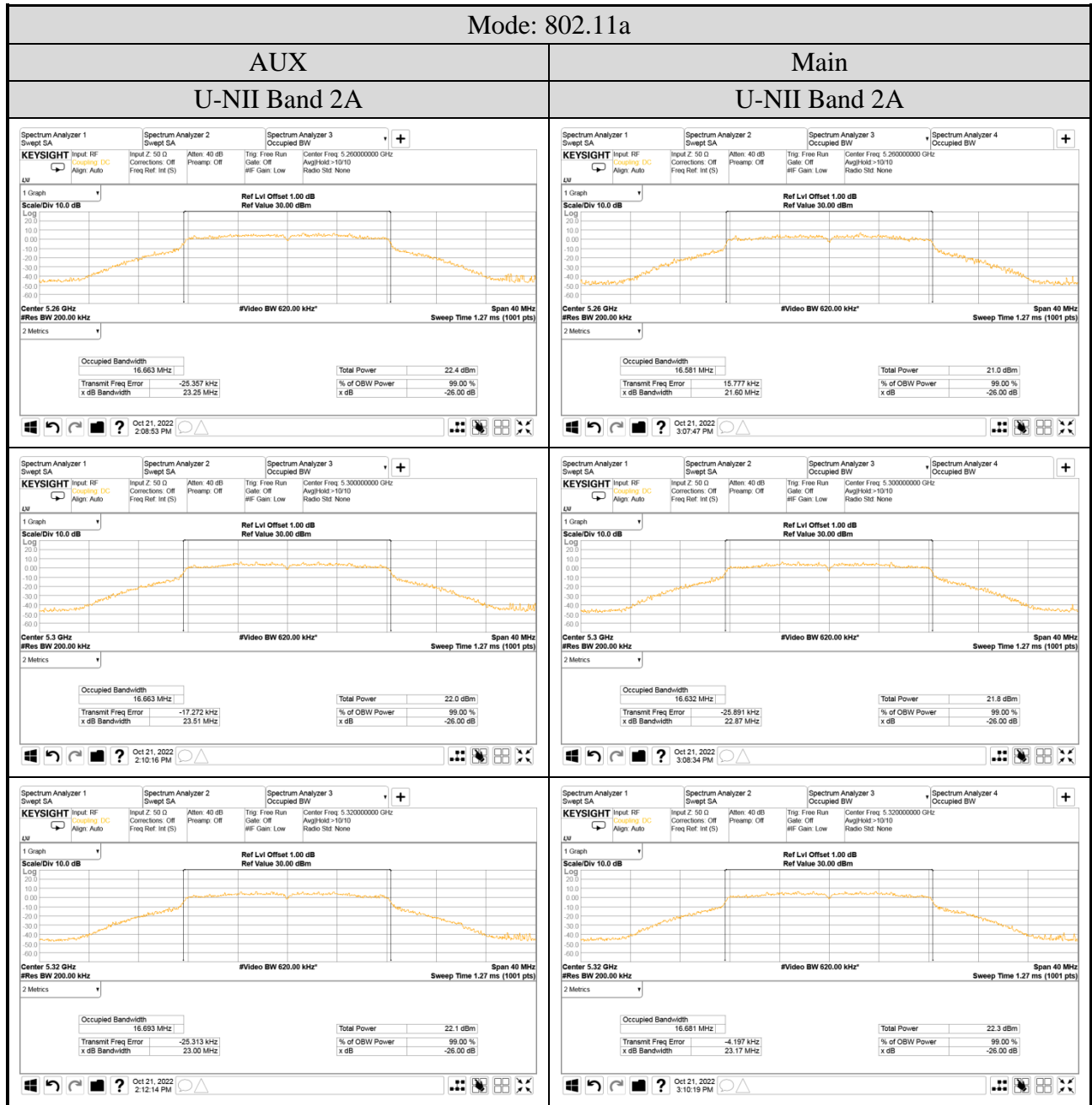


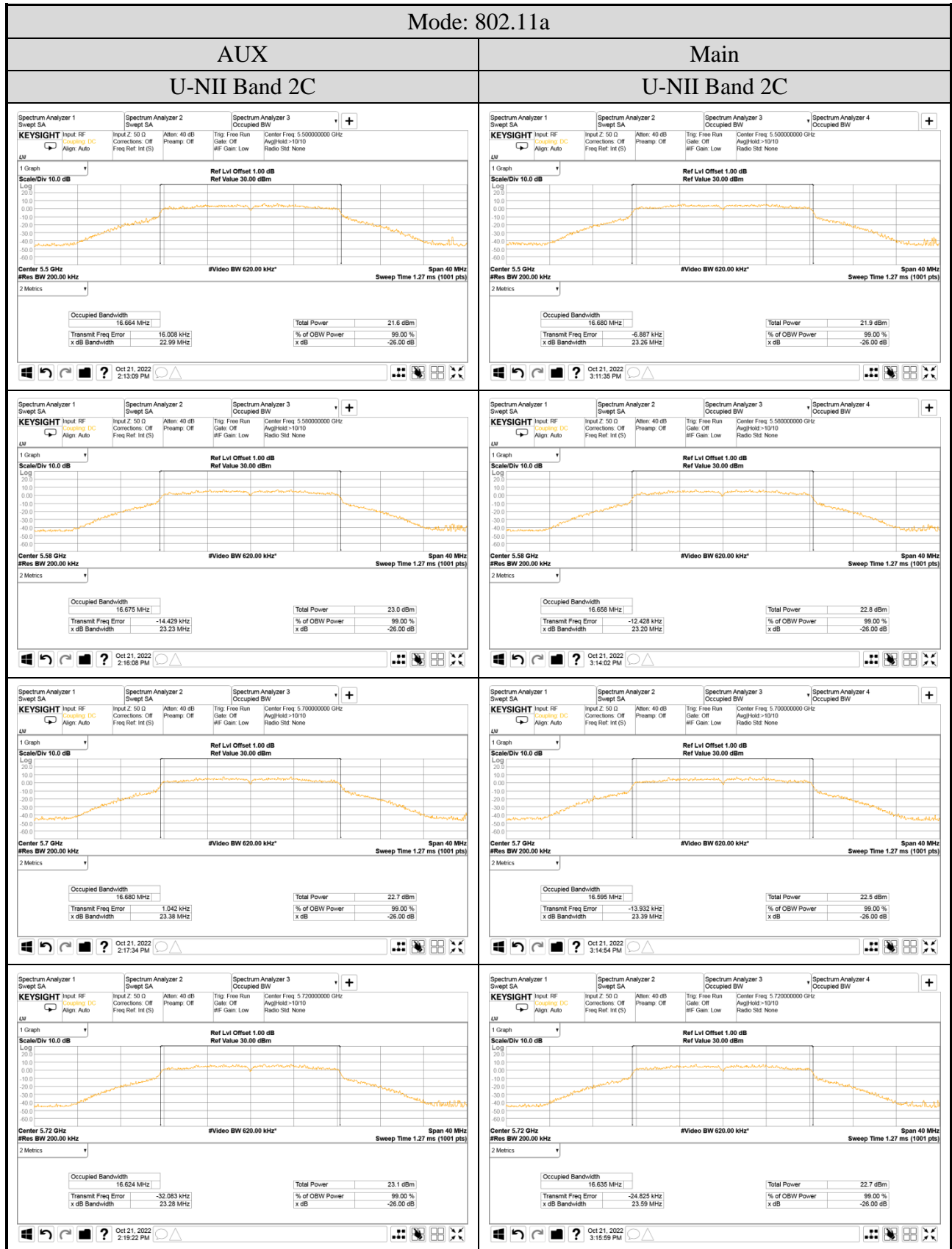


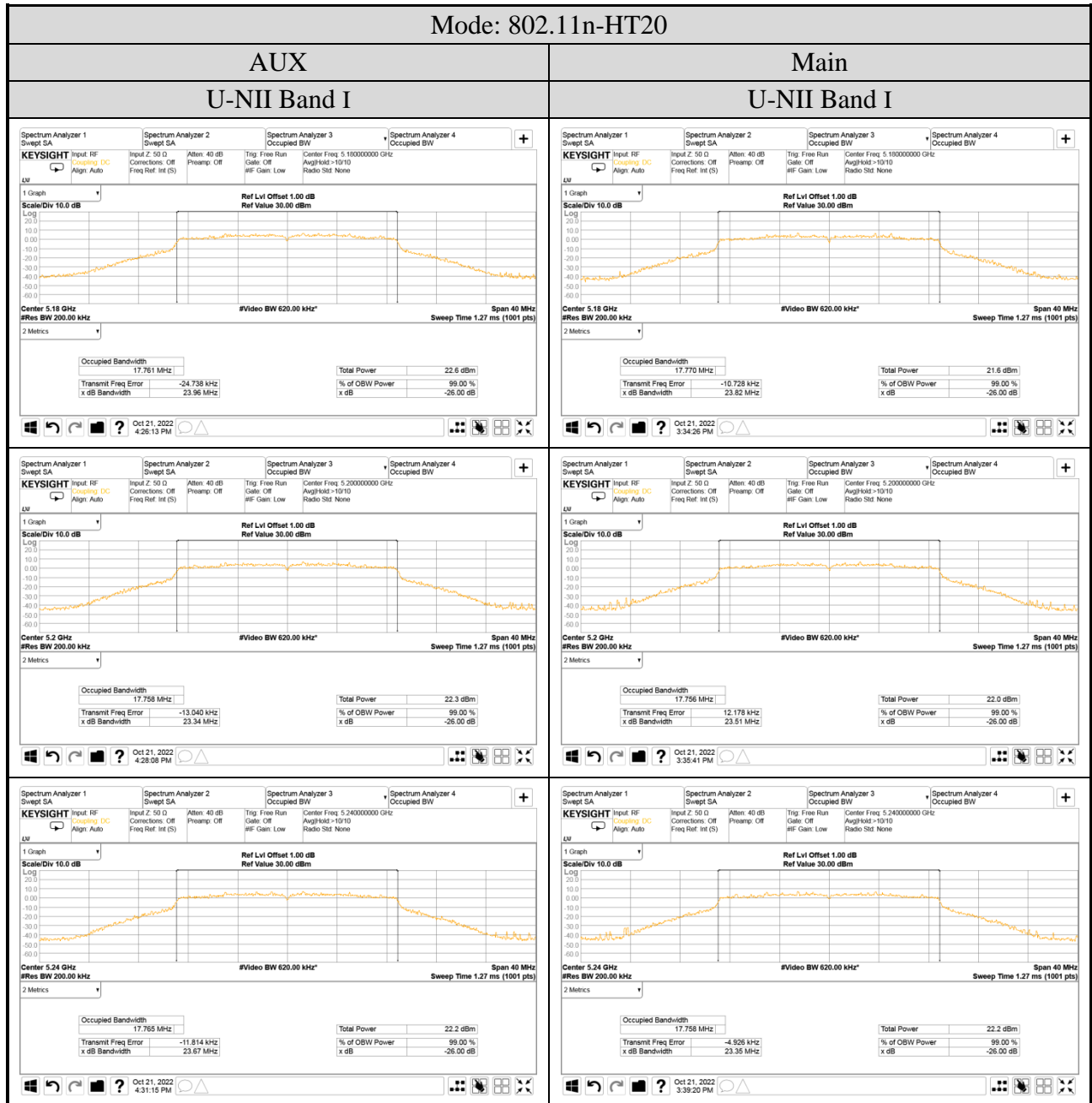


● Emission (26dB) Bandwidth

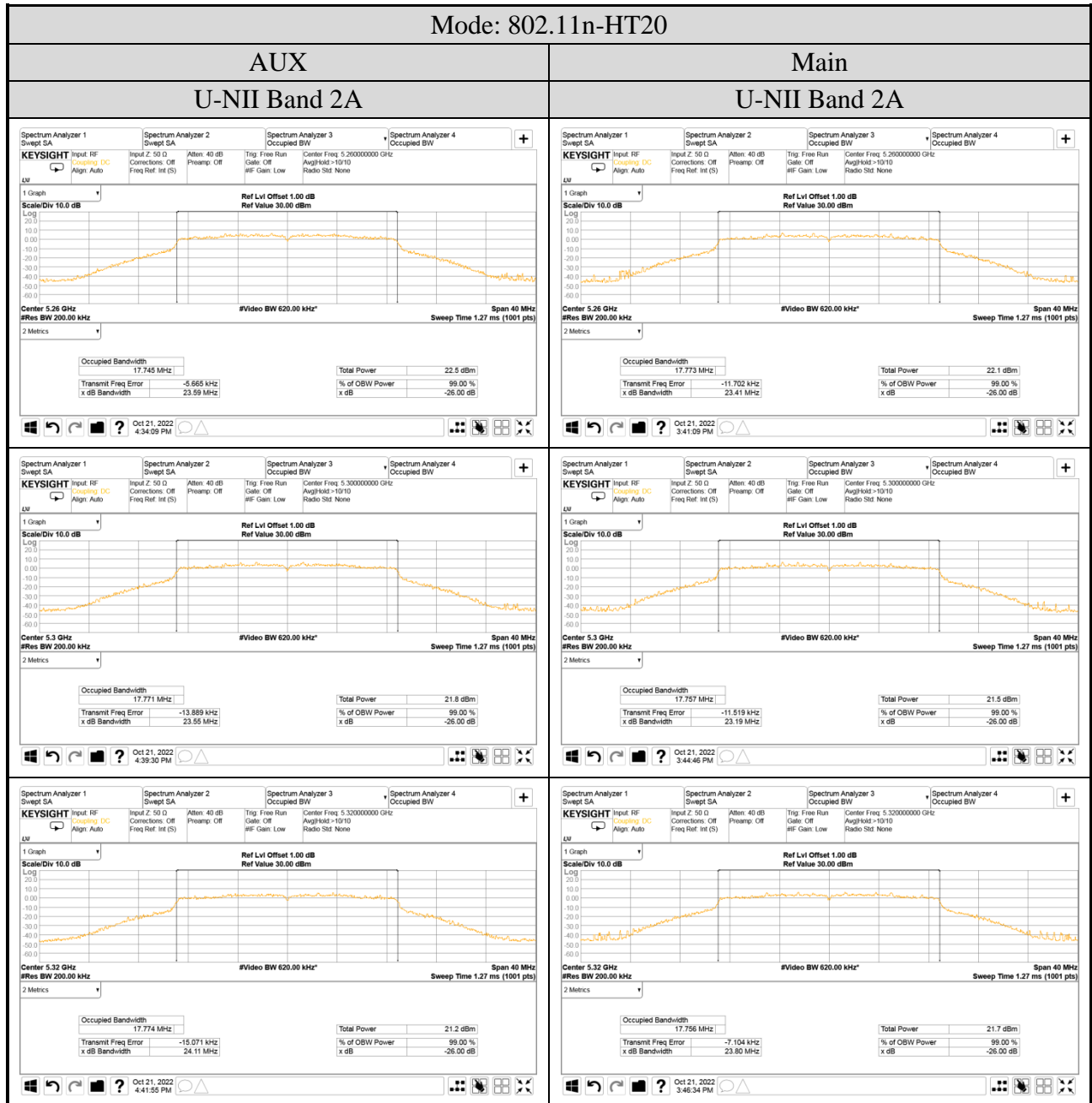


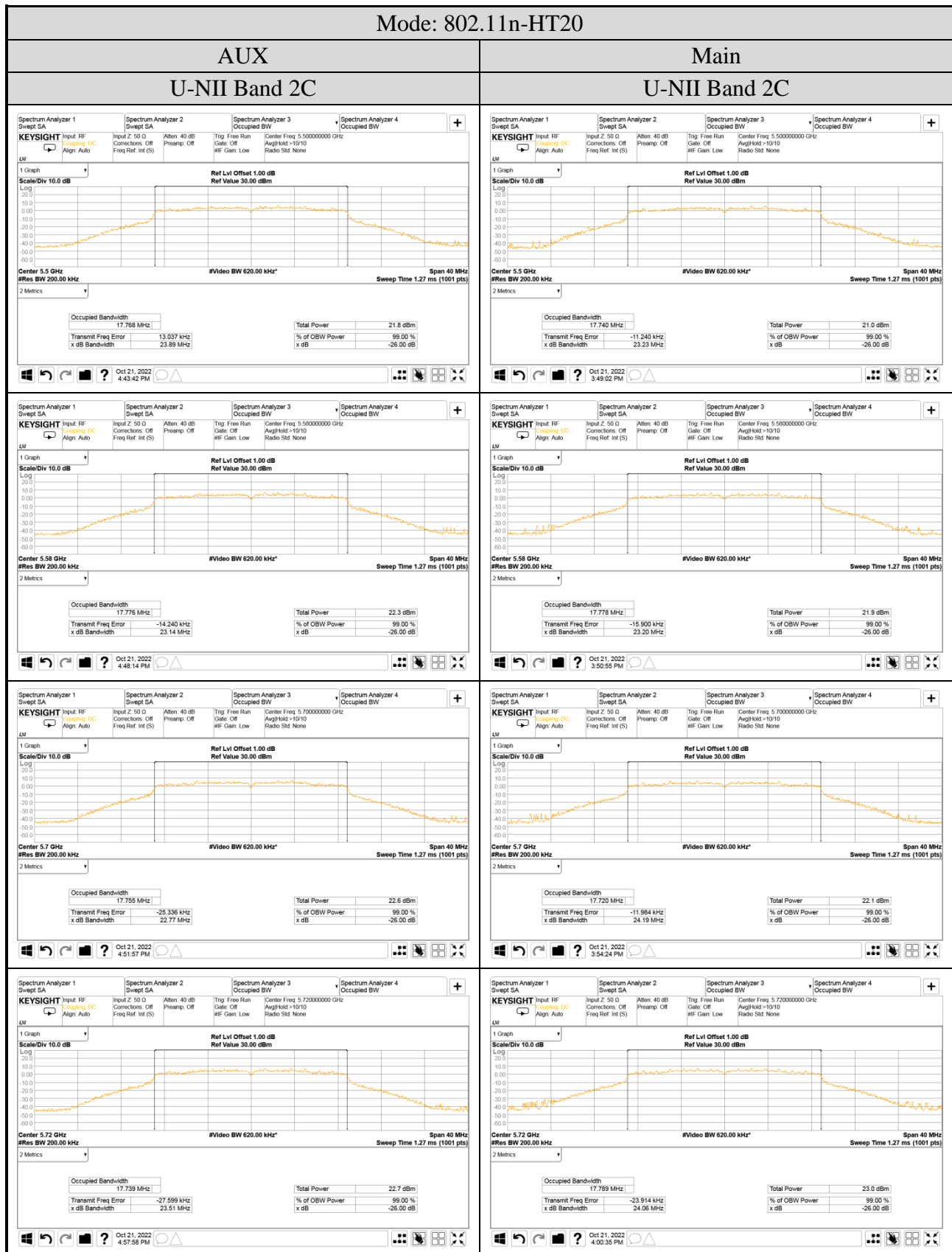












**Audix Technology Corp.**  
 No. 491, Zhongfu Rd., Linkou Dist.,  
 New Taipei City 244, Taiwan

**Tel: +886 2 26099301**  
**Fax: +886 2 26099303**

