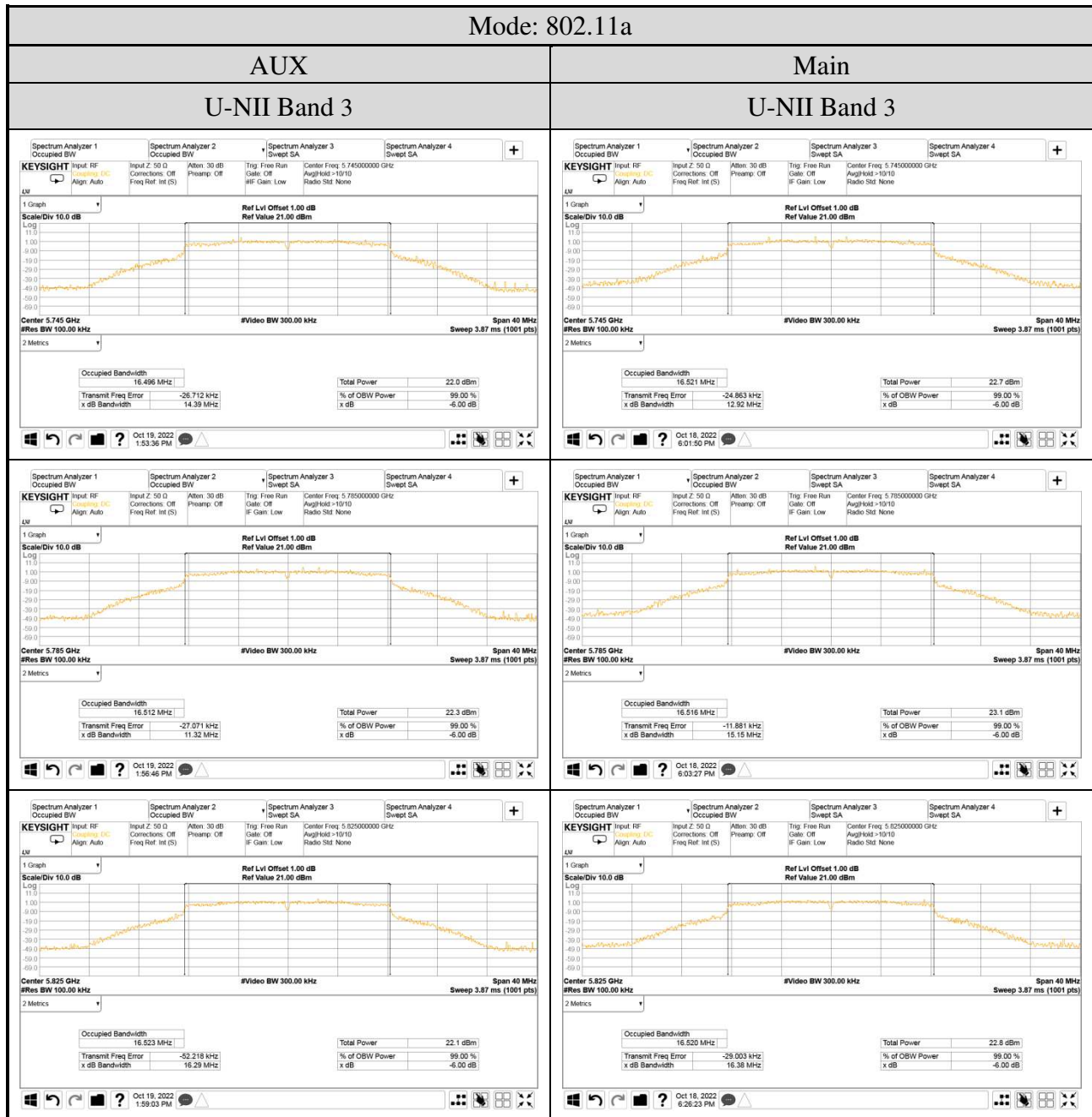
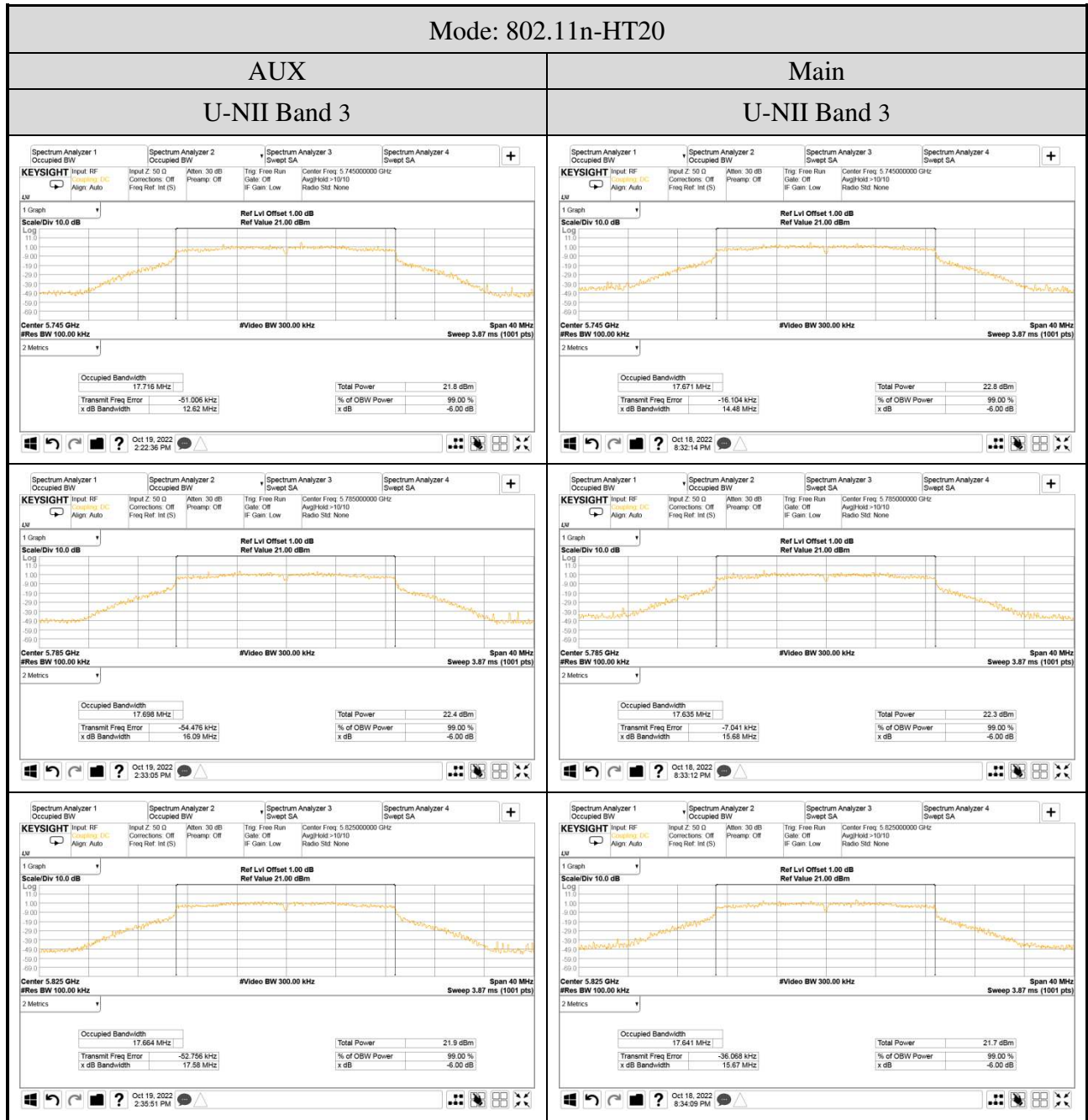
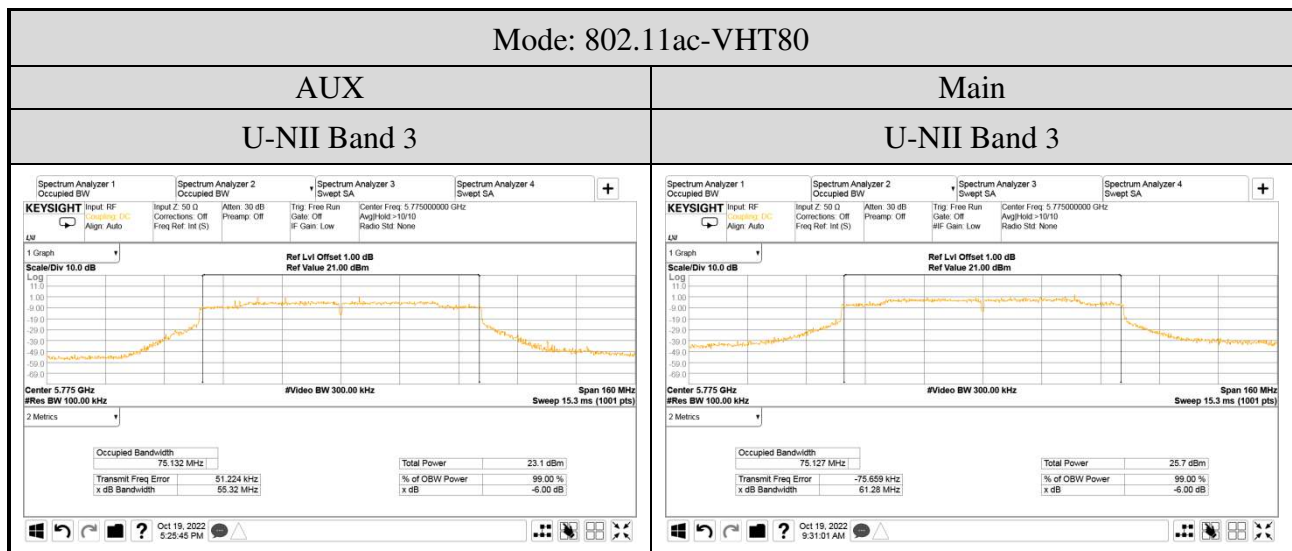
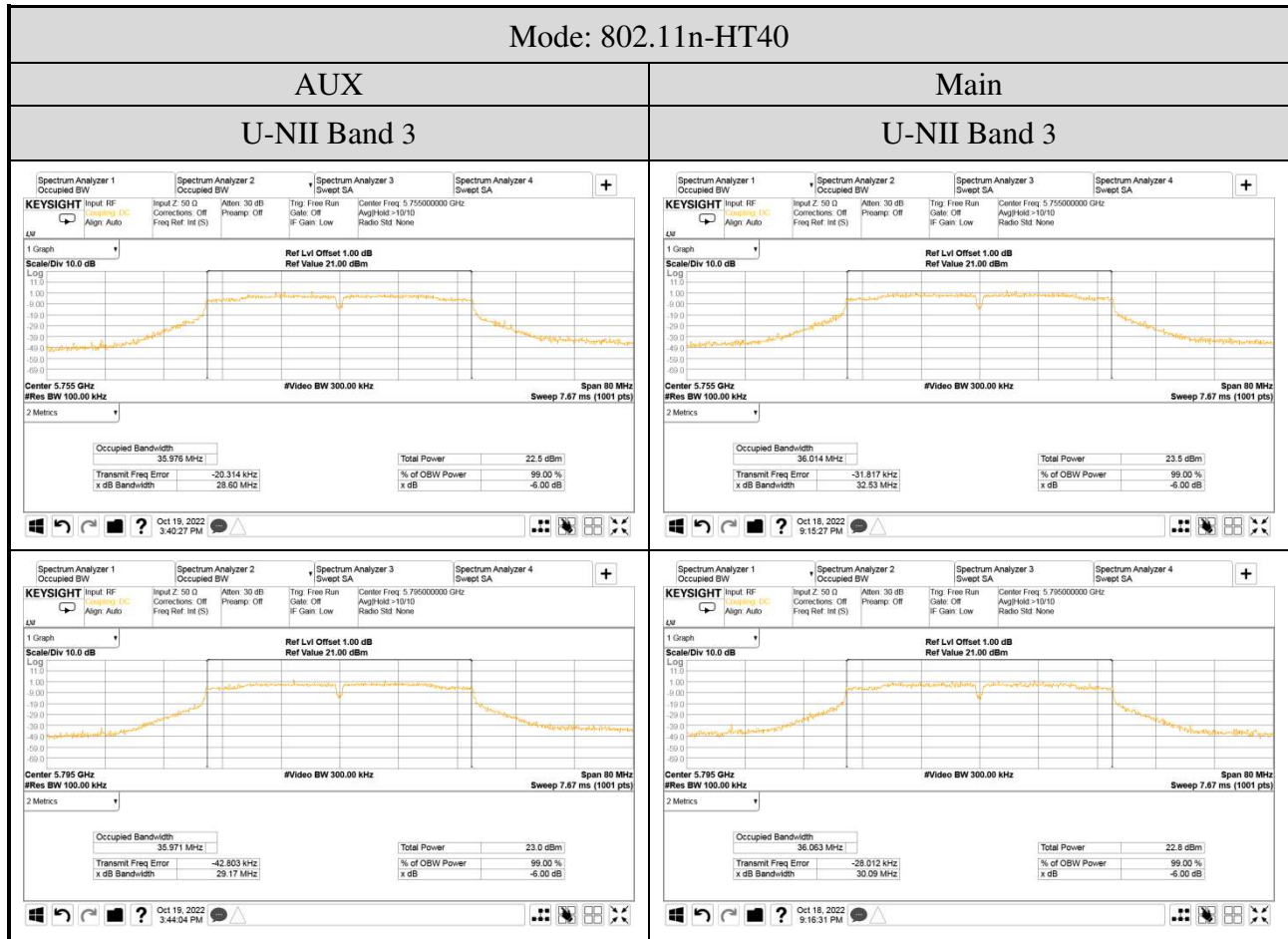


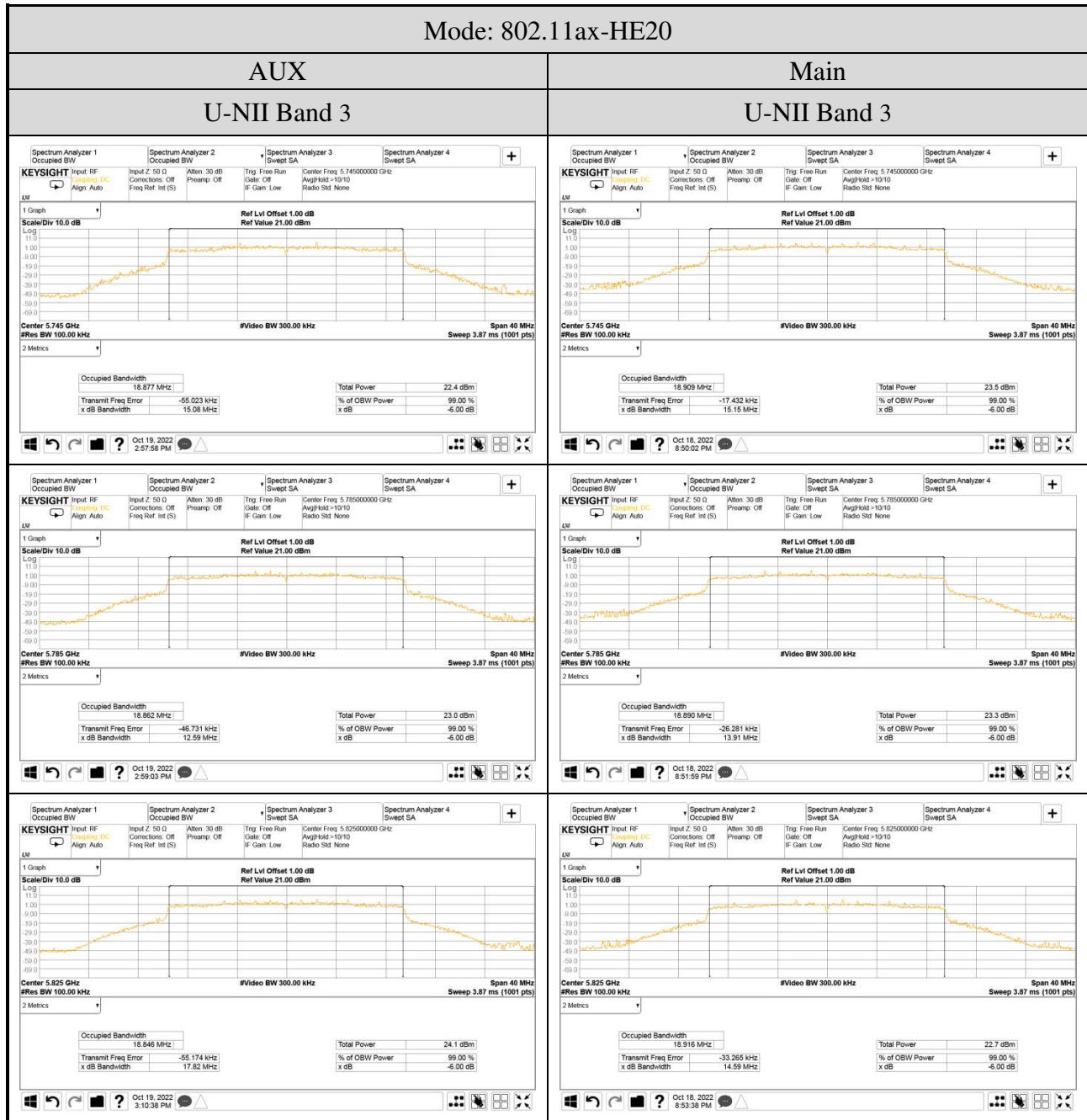
● For Emission (6dB) Bandwidth

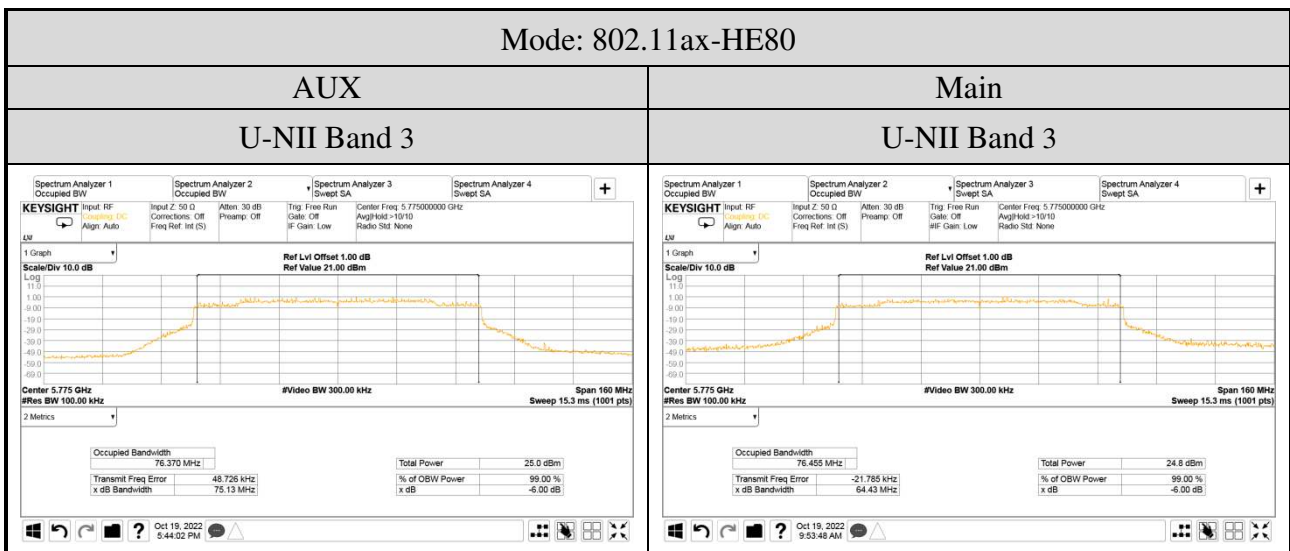
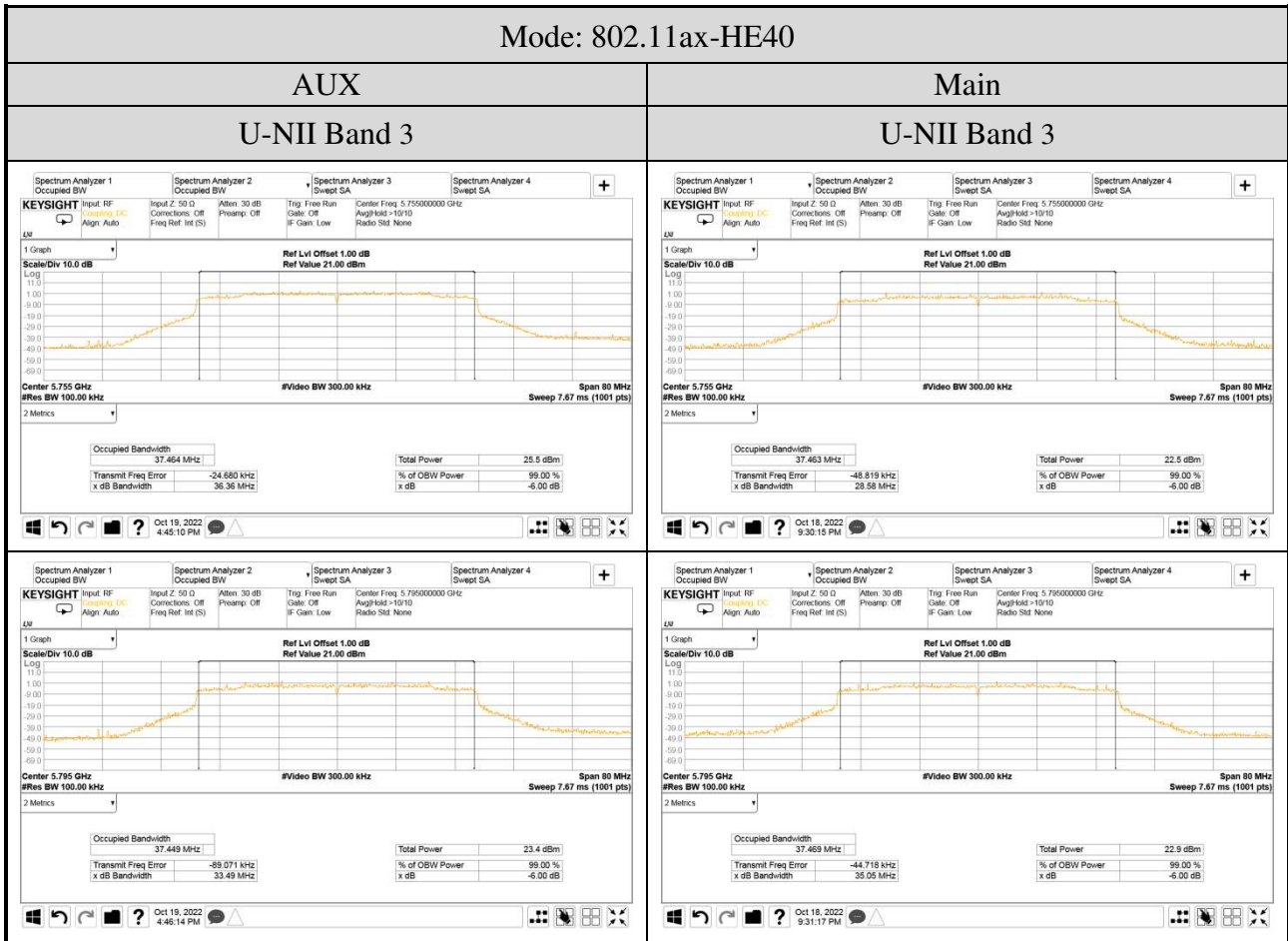




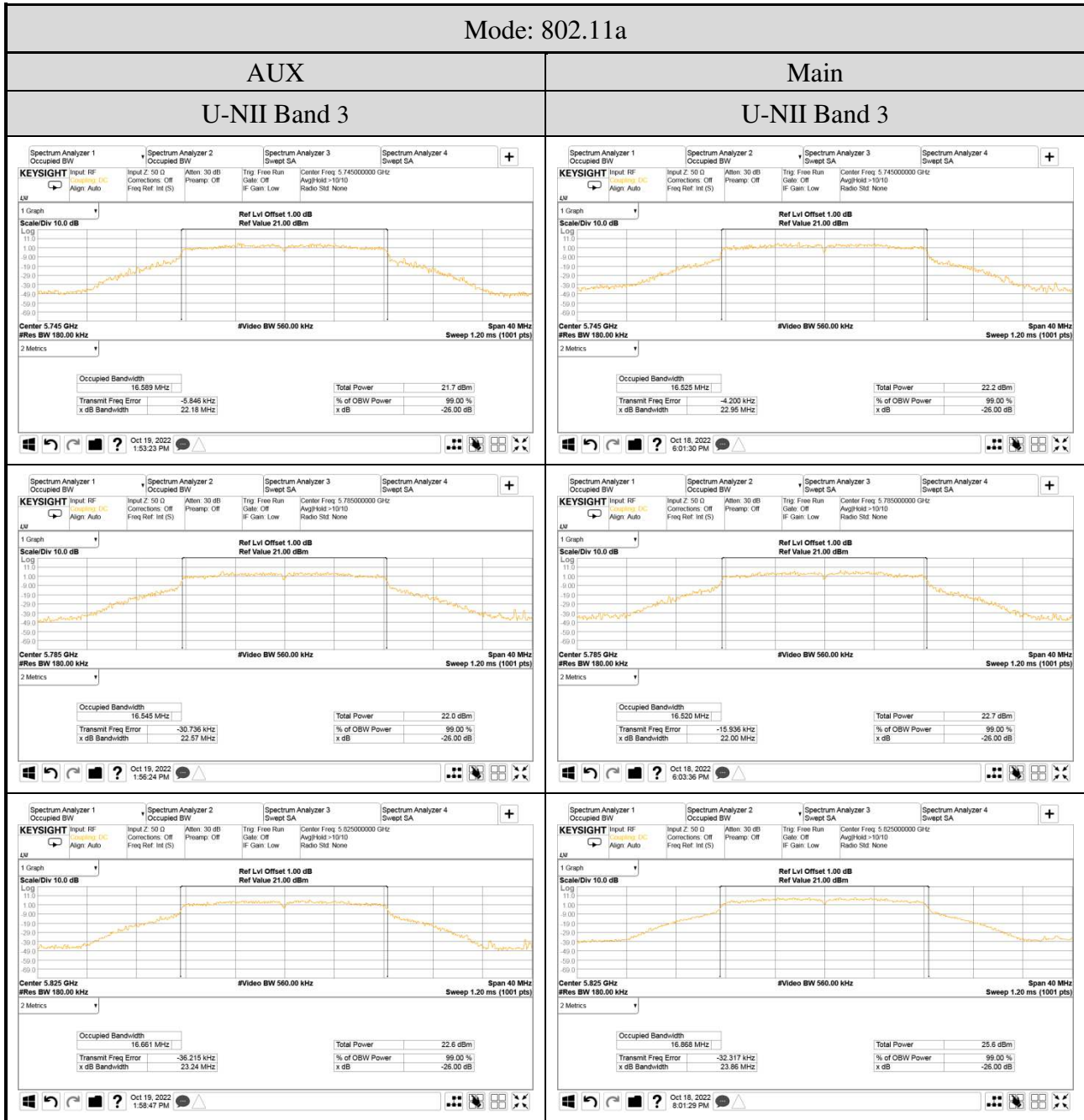


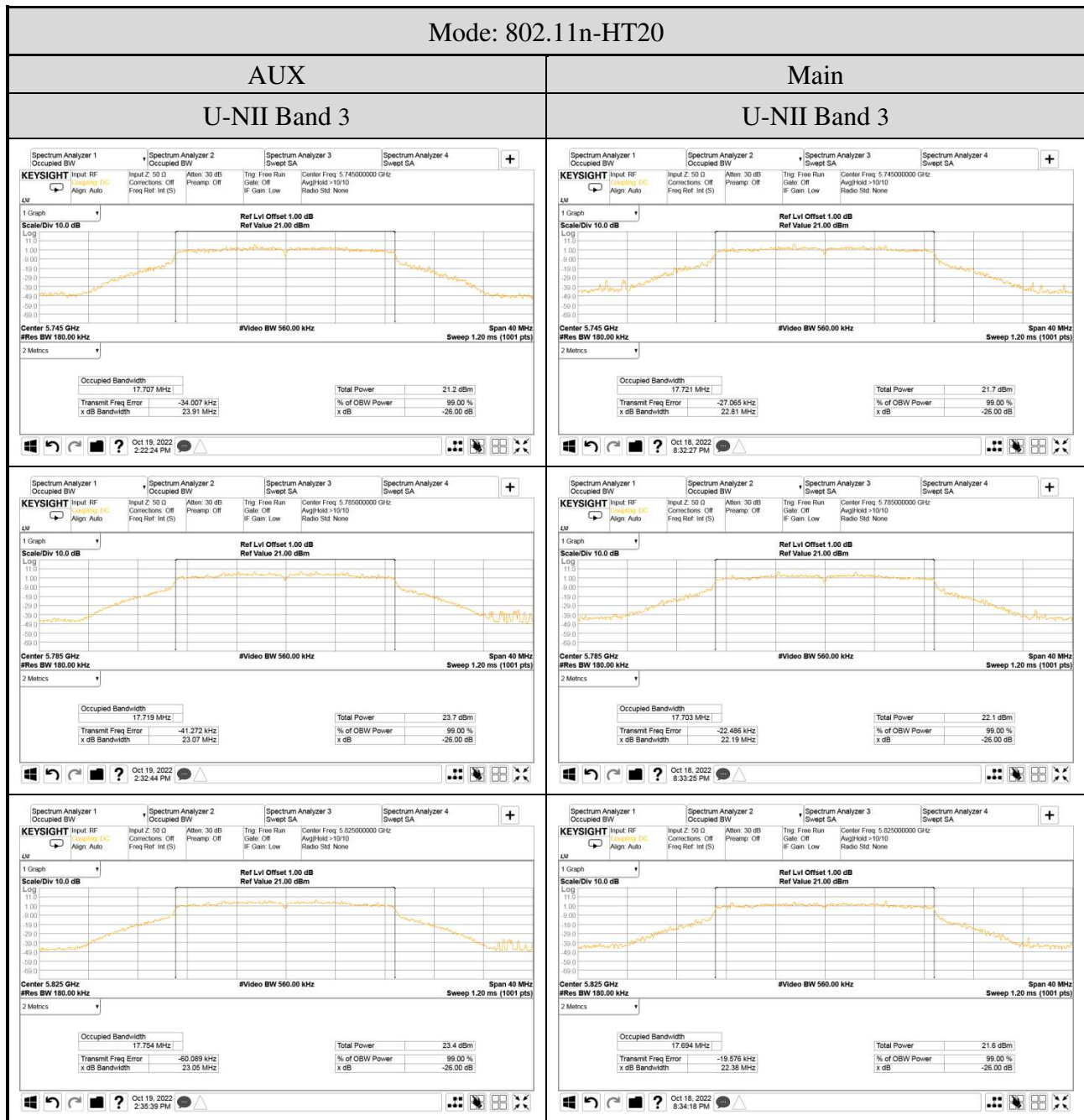


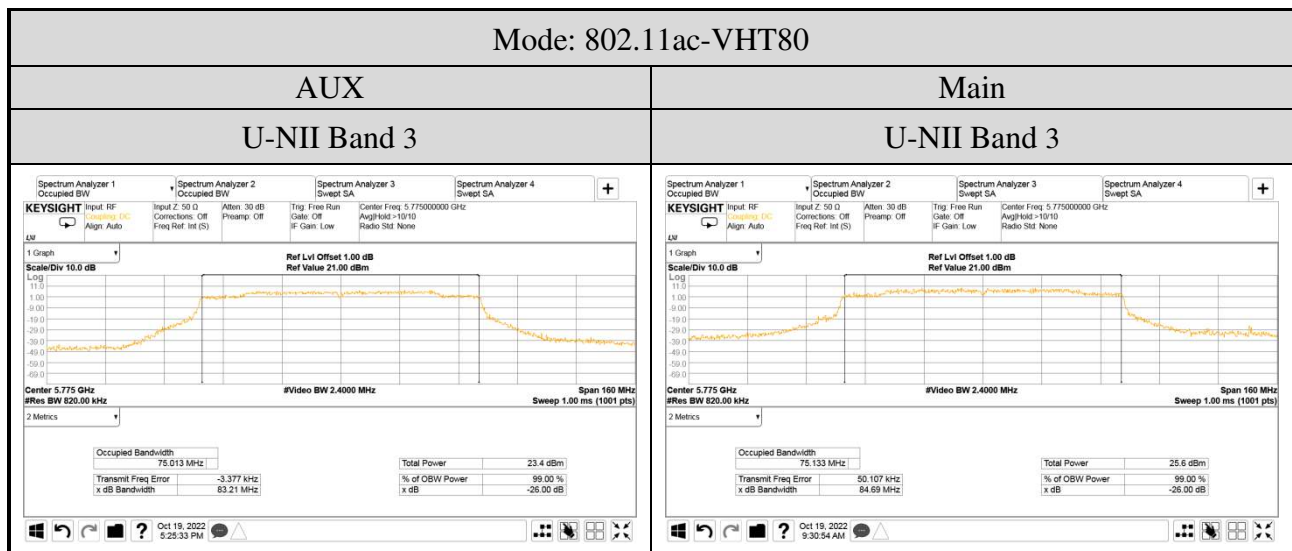
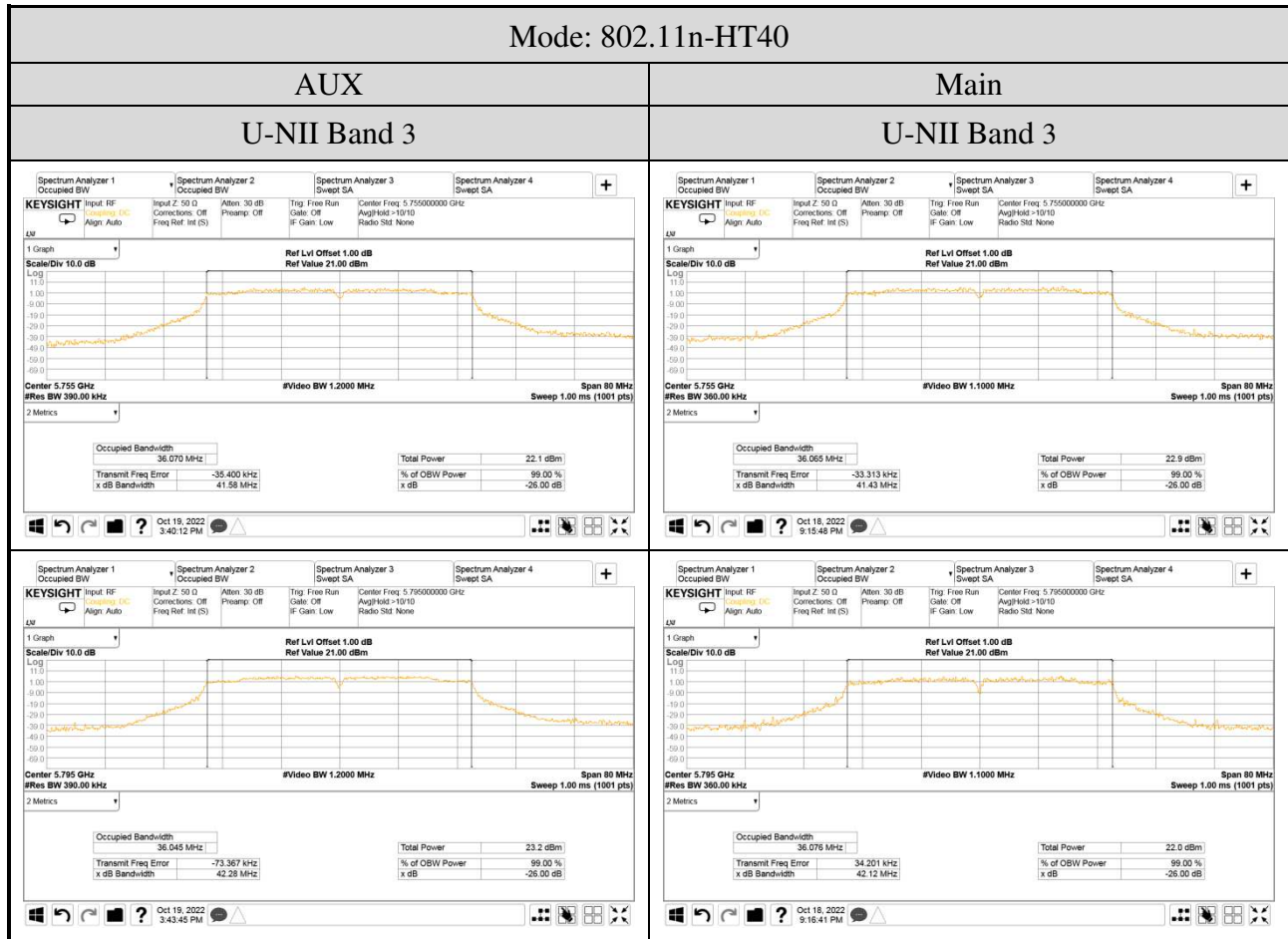


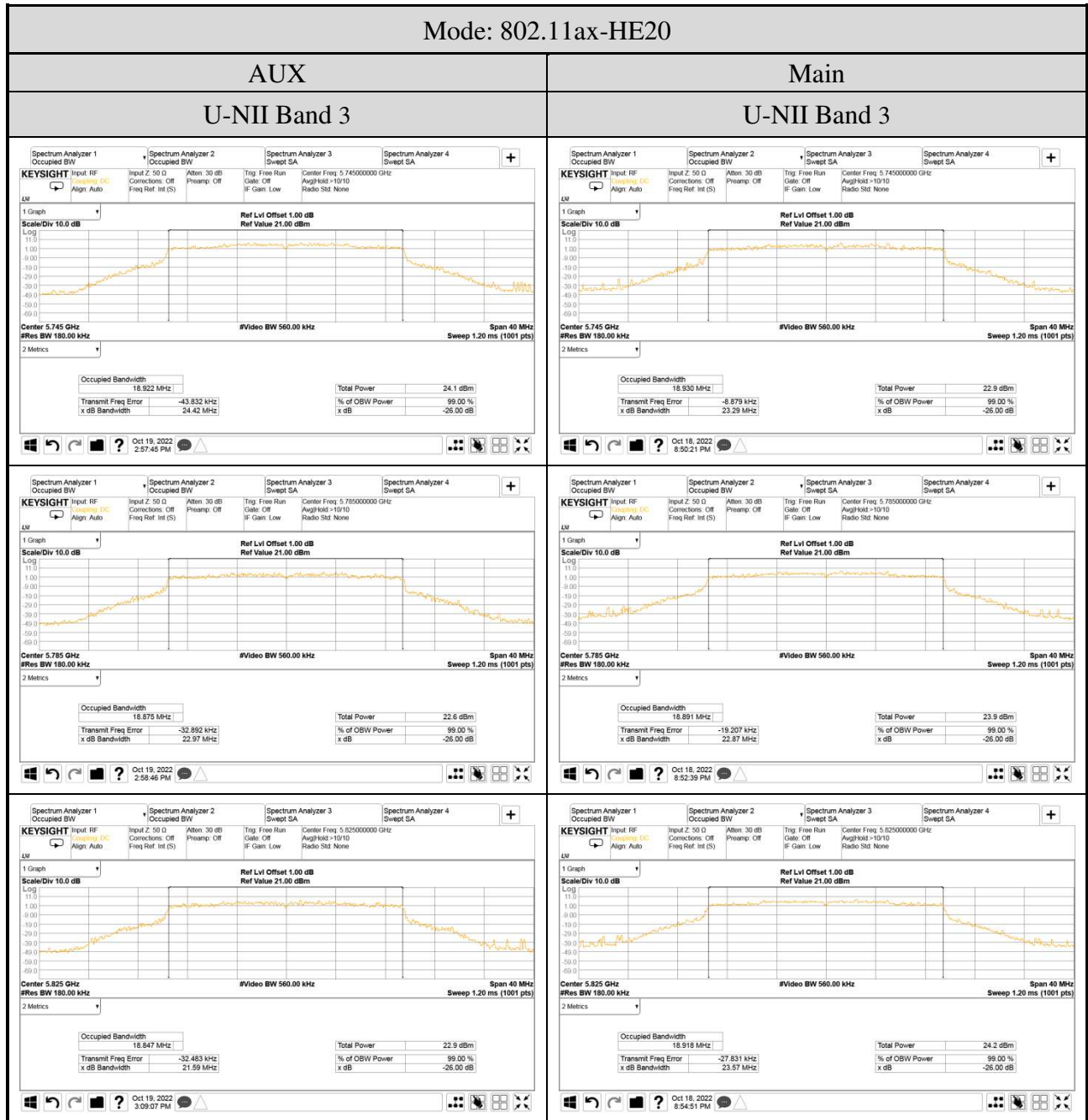


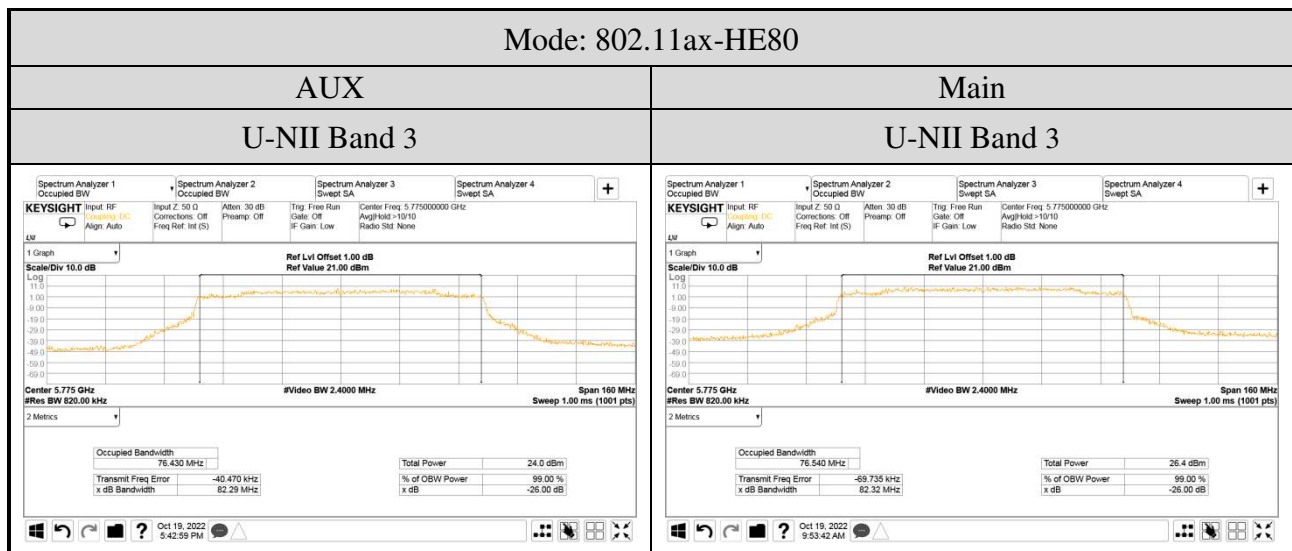
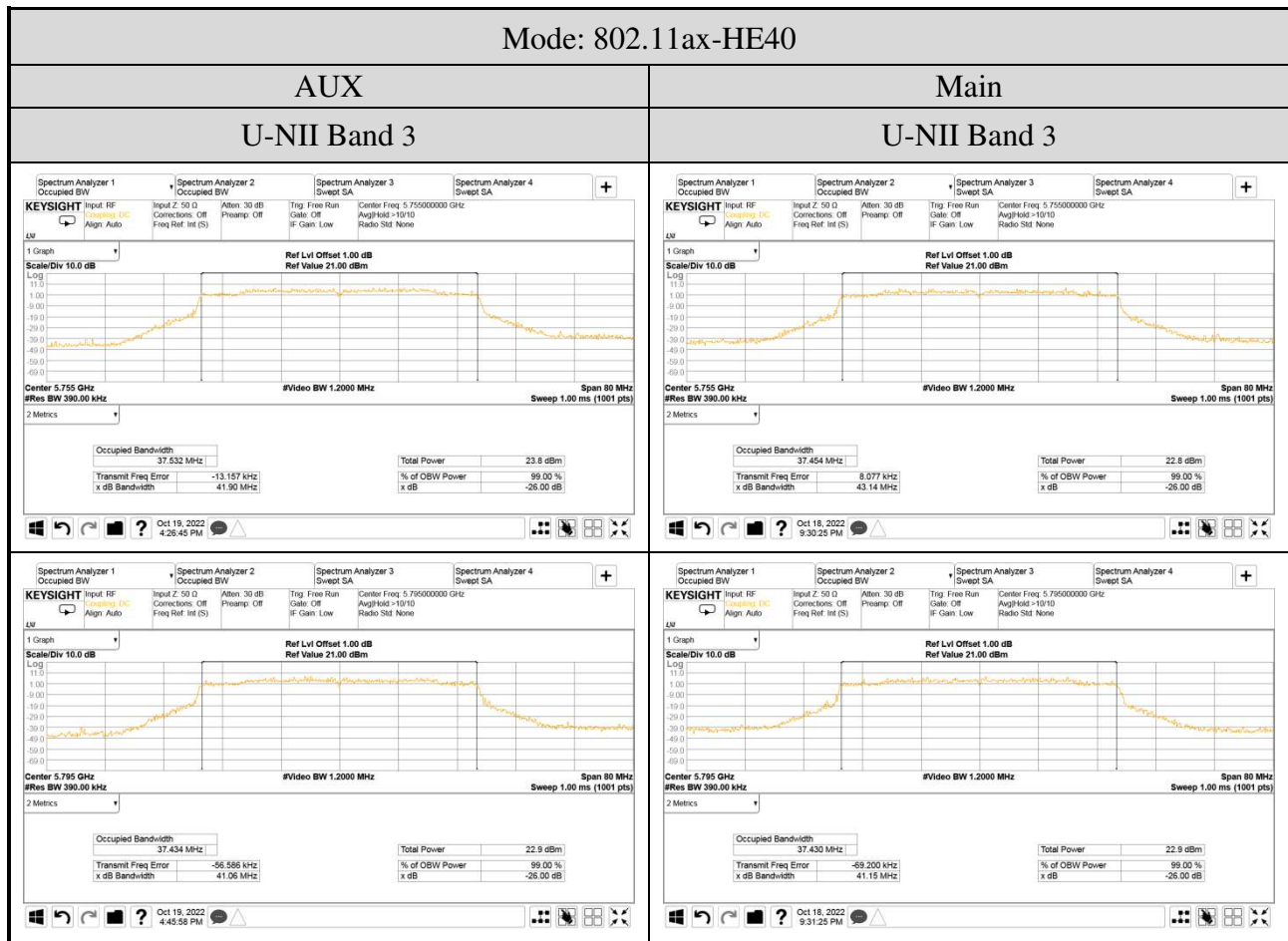
● For Occupied (99%) Bandwidth













## A.4 POWER SPECTRAL DENSITY

Test Date	2022/10/17 ~ 21	Temp./Hum.	23-24°C/63-76%
Cable Loss	1.0dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

### A.4.1 Power Spectral Density Result

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor $10\log(1/X)$	Max. Power Spectral Density (dBm/1MHz) <small>Note 3</small>	Limit
			AUX	Main			
802.11a	1	5180	5.893	6.073	N/A	6.073	11 dBm/MHz
		5200	5.440	5.977		5.977	
		5240	5.738	5.922		5.922	
	2A	5260	5.792	5.854		5.854	
		5300	5.724	5.997		5.997	
		5320	5.081	6.013		6.013	
	2C	5500	6.356	6.916		6.916	
		5580	6.142	6.585		6.585	
		5700	5.691	6.025		6.025	
		5720	5.924	6.557		6.557	

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor $10\log(1/X)$	Max. Power Spectral Density (dBm/500kHz) <small>Note 4</small>	Limit
			AUX	Main			
802.11a	3 <sup>Note2</sup>	5745	3.763	4.285	N/A	4.285	30dBm/500 kHz
		5785	3.908	4.985		4.985	
		5825	4.076	4.723		4.723	

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

2. BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

3. Max. Power Spectral Density (dBm/1MHz) = Max of each PSD (dBm/1MHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

4. Max. Power Spectral Density (dBm/500kHz) = Max of each PSD (dBm/500kHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

5. For U-NII Band 3, Ref Offset of measured plot : Cable Loss (dB) + BWCF (dB) =1dB+7dB=8dB

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) <small>Note 3</small>	Limit
			AUX	Main			
802.11n-HT20	1	5180	5.584	5.828	N/A	8.718	11 dBm/MHz
		5200	5.451	5.783		8.630	
		5240	5.317	5.745		8.547	
	2A	5260	5.407	5.715		8.574	
		5300	5.346	5.757		8.567	
		5320	5.452	5.581		8.527	
	2C	5500	5.858	5.998		8.939	
		5580	5.611	5.560		8.596	
		5700	5.342	5.207		8.285	
		5720	5.446	5.684		8.577	

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) <small>Note 4</small>	Limit
			AUX	Main			
802.11n-HT20	3 <sup>Note2</sup>	5745	3.316	3.624	N/A	6.483	30dBm/500 kHz
		5785	3.884	3.885		6.895	
		5825	3.478	3.743		6.623	

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

2. BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

3. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

4. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/500kHz) = Sum to individual PSD (dBm/500kHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

5. For U-NII Band 3, Ref Offset of measured plot : Cable Loss (dB) + BWCF (dB) =1dB+7dB=8dB

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) <small>Note 3</small>	Limit
			AUX	Main			
802.11n-HT40	1	5190	1.060	1.329	N/A	4.207	11 dBm/MHz
		5230	2.534	2.955		5.760	
	2A	5270	2.147	2.599		5.389	
		5310	0.342	0.678		3.524	
	2C	5510	2.664	2.802		5.744	
		5550	2.708	2.579		5.654	
		5670	2.242	2.106		5.185	
		5710	2.324	2.328		5.336	

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) <small>Note 4</small>	Limit
			AUX	Main			
802.11n-HT40	3 <sup>Note2</sup>	5755	0.621	0.978	N/A	3.813	30dBm/500 kHz
		5795	0.299	0.755		3.543	

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

2. BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

3. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

4. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/500kHz) = Sum to individual PSD (dBm/500kHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

5. For U-NII Band 3, Ref Offset of measured plot : Cable Loss (dB) + BWCF (dB) =1dB+7dB=8dB

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) <small>Note 3</small>	Limit
			AUX	Main			
802.11ac-VHT80	1	5210	-3.042	-3.222	N/A	-0.121	11 dBm/MHz
	2A	5290	-2.646	-2.567		0.404	
	2C	5530	-2.105	-2.168		0.874	
		5610	-0.495	-0.663		2.432	
		5690	-0.473	-0.497		2.525	

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) <small>Note 4</small>	Limit
			AUX	Main			
802.11ac-VHT80	3 <small>Note2</small>	5775	-3.041	-3.197	N/A	-0.108	30dBm/500 kHz

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) <small>Note 3</small>	Limit
			AUX	Main			
802.11ac-VHT160	1/2A	5250	-8.879	-9.177	N/A	-6.015	11 dBm/MHz
	2C	5570	-5.957	-5.885		-2.911	

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

2. BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

3. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

4. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/500kHz) = Sum to individual PSD (dBm/500kHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

5. For U-NII Band 3, Ref Offset of measured plot : Cable Loss (dB) + BWCF (dB) =1dB+7dB=8dB

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) <small>Note 3</small>	Limit
			AUX	Main			
802.11ax-HE20	1	5180	5.674	5.984	N/A	8.842	11 dBm/MHz
		5200	5.468	5.670		8.580	
		5240	5.540	5.505		8.533	
	2A	5260	5.483	5.556		8.530	
		5300	5.647	5.450		8.560	
		5320	5.349	5.914		8.651	
	2C	5500	5.969	5.826		8.908	
		5580	5.757	5.389		8.587	
		5700	5.339	5.206		8.283	
		5720	5.836	5.498		8.681	

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) <small>Note 4</small>	Limit
			AUX	Main			
802.11ax-HE20	3 <sup>Note2</sup>	5745	2.535	2.559	N/A	5.557	30dBm/500 kHz
		5785	2.597	3.151		5.893	
		5825	2.834	3.048		5.953	

- Note :1. All results have been included cable loss.  
 2. BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.  
 3. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.  
 4. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/500kHz) = Sum to individual PSD (dBm/500kHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.  
 5. For U-NII Band 3, Ref Offset of measured plot : Cable Loss (dB) + BWCF (dB) =1dB+7dB=8dB

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) <small>Note 3</small>	Limit
			AUX	Main			
802.11ax-HE40	1	5190	0.872	0.875	N/A	3.884	11 dBm/MHz
		5230	2.125	2.397		5.273	
	2A	5270	2.175	2.123		5.159	
		5310	0.132	-0.038		3.058	
	2C	5510	2.743	2.316		5.545	
		5550	2.568	2.243		5.419	
		5670	1.919	1.782		4.861	
		5710	2.031	1.777		4.916	

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) <small>Note 4</small>	Limit
			AUX	Main			
802.11ax-HE40	3 <sup>Note2</sup>	5755	-0.879	-0.903	N/A	2.119	30dBm/500 kHz
		5795	-0.280	-0.231		2.755	

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

2. BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

3. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

4. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/500kHz) = Sum to individual PSD (dBm/500kHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

5. For U-NII Band 3, Ref Offset of measured plot : Cable Loss (dB) + BWCF (dB) =1dB+7dB=8dB

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) <small>Note 3</small>	Limit
			AUX	Main			
802.11ax-HE80	1	5210	-3.249	-3.107	N/A	-0.167	11 dBm/MHz
	2A	5290	-2.828	-2.790		0.201	
	2C	5530	-2.340	-2.477		0.602	
		5610	-1.079	-1.029		1.956	
		5690	-0.968	-1.063		1.995	

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) <small>Note 4</small>	Limit
			AUX	Main			
802.11ax-HE80	3 <small>Note2</small>	5775	-3.745	-3.808	N/A	-0.766	30dBm/500 kHz

Mode	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) <small>Note 3</small>	Limit
			AUX	Main			
802.11ax-HE160	1/2A	5250	-9.149	-9.351	N/A	-6.239	11 dBm/MHz
	2C	5570	-6.017	-5.945		-2.971	

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

2. BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

3. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

4. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/500kHz) = Sum to individual PSD (dBm/500kHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

5. For U-NII Band 3, Ref Offset of measured plot : Cable Loss (dB) + BWCF (dB) =1dB+7dB=8dB

Mode	U-NII Band	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm) <small>Note 3</small>	Limit
				AUX	Main			
802.11ax-HE20	1	5180	26/0	6.778	6.721	0.168	9.928	11 dBm/MHz
			52/37	7.642	7.337	0.119	10.621	
			106/53	7.255	7.317	N/A	10.296	
	2A	5320	26/8	6.339	6.257	0.168	9.476	
			52/40	6.995	7.090	0.119	10.172	
			106/54	6.294	6.455	N/A	9.386	
	2C	5500	26/0	6.763	6.219	0.168	9.678	
			52/37	7.488	7.479	0.119	10.613	
			106/53	6.746	6.575	N/A	9.672	
		5700	26/8	6.243	5.658	0.168	9.139	
			52/40	6.972	6.862	0.119	10.047	
			106/54	6.931	6.606	N/A	9.782	

Mode	U-NII Band	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm) <small>Note 4</small>	Limit
				AUX	Main			
802.11ax-HE20	3 <sup>Note2</sup>	5745	26/0	8.861	8.748	0.168	11.983	30dBm/500 kHz
			52/37	3.501	3.690	0.119	6.726	
			106/53	5.345	5.482	N/A	8.424	
		5825	26/8	9.468	9.491	0.168	12.658	
			52/40	4.593	4.317	0.119	7.586	
			106/54	5.533	5.241	N/A	8.400	

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

2. BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

3. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

4. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/500kHz) = Sum to individual PSD (dBm/500kHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

5. For U-NII Band 3, Ref Offset of measured plot : Cable Loss (dB) + BWCF (dB) =1dB+7dB=8dB



Mode	U-NII Band	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm) Note 3	Limit
				AUX	Main			
802.11ax-HE40	1	5190	242/61	5.035	5.061	0.119	8.177	11 dBm/MHz
	2A	5310	242/62	4.076	4.377		7.358	
	2C	5510	242/61	6.754	5.525		8.855	
		5670	242/62	6.049	5.905		9.107	

Mode	U-NII Band	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm) Note 4	Limit
				AUX	Main			
802.11ax-HE40	3 <sup>Note2</sup>	5755	242/61	2.235	2.319	0.119	5.407	30dBm/500 kHz
		5795	242/62	3.376	2.969		6.307	

Mode	U-NII Band	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm) Note 3	Limit
				AUX	Main			
802.11ax-HE80	1	5210	484/65	-0.034	-0.159	N/A	2.914	11 dBm/MHz
	2A	5290	484/66	-2.765	-2.615		0.321	
	2C	5530	484/65	0.802	0.421		3.626	
		5610	484/66	2.200	1.706		4.970	

Mode	U-NII Band	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm/500kHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm) Note 4	Limit
				AUX	Main			
802.11ax-HE80	3 <sup>Note2</sup>	5775	484/65	-0.707	-0.924	N/A	2.196	30dBm/500 kHz
		5775	484/66	-0.632	-1.009		2.194	

Mode	U-NII Band	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm) Note 3	Limit
				AUX	Main			
802.11ax-HE160	1/2A	5250	996/67	-3.206	-4.842	0.119	-0.818	11 dBm/MHz
			996/S67	-5.319	-5.395		-2.228	
	2C	5570	996/67	-3.237	-4.013		-0.478	
			996/S67	0.010	-0.278		2.998	

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

2. BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

3. According to KDB 662911 D01 E)2a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

4. According to KDB 662911 D01 E)2a), Total Power Spectral Density (dBm/500kHz) = Sum to individual PSD (dBm/500kHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%.

5. For U-NII Band 3, Ref Offset of measured plot : Cable Loss (dB) + BWCF (dB) =1dB+7dB=8dB

A.4.2 Measurement Plots

