

A.4 MAXIMUM CONDUCTED OUTPUT POWER

Test Date	2022/10/16 ~ 19	Temp./Hum.	22-23°C/69-72%
Cable Loss	1.5dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.4.1 Conducted Output Power Result

Modulation Type	U-NII Band	Centre Frequency (MHz)	Average Coneduted Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) ^{Note3}	Total E.I.R.P. (dBm) ^{Note2}	Limit
			AUX	Main				
802.11ax-HE20	5	5955	1.93	1.57	N/A	1.60	6.364	24dBm
		6175	1.83	1.51		1.60	6.283	
		6415	1.71	1.54		-0.09	4.546	
	6	6435	1.72	1.65		-0.09	4.605	
		6475	1.94	1.58		-0.09	4.684	
		6515	1.92	1.45		-0.09	4.612	
	7	6535	1.22	0.69		-0.09	3.883	
		6695	1.22	0.28		-0.09	3.696	
		6855	1.38	0.42		3.37	7.307	
	8	6875	1.51	0.56		3.37	7.441	
		6995	1.21	0.33		3.37	7.173	
		7115	-3.02	-2.74		3.37	3.503	
802.11ax-HE40	5	5965	5.64	5.41	N/A	1.60	10.137	24dBm
		6165	5.48	5.31		1.60	10.006	
		6405	5.33	5.27		-0.09	8.220	
	6	6445	5.32	5.41		-0.09	8.286	
		6485	5.49	5.36		-0.09	8.346	
		6525	5.60	5.31		-0.09	8.378	
	7	6685	4.69	4.38		-0.09	7.460	
		6845	4.75	4.32		-0.09	7.461	
		6885	4.83	4.43		3.37	11.015	
	8	7005	4.78	4.30		3.37	10.927	
		7085	5.00	4.58		3.37	11.175	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)1), Total E.I.R.P.(dBm)= Sum to individual output power (dBm)+ Directional gain (dBi) + 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

Directional gain:

5925MHz: $10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60$ dBi

6525MHz: $10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09$ dBi

7125MHz: $10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37$ 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).

Modulation Type	U-NII Band	Centre Frequency (MHz)	Average Coneduted Output Power (dBm)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) ^{Note3}	Total E.I.R.P. (dBm) ^{Note2}	Limit
			AUX	Main				
802.11ax-HE80	5	5985	6.83	6.92	N/A	1.60	11.486	24dBm
		6145	6.50	6.73		1.60	11.227	
		6385	6.37	6.67		-0.09	9.443	
	6	6465	6.32	6.71		-0.09	9.440	
		6545	6.62	6.57		-0.09	9.515	
		6625	5.79	5.85		-0.09	8.740	
	7	6705	5.81	5.92		-0.09	8.786	
		6785	5.63	5.64		-0.09	8.555	
		6865	5.61	5.60		3.37	11.985	
	8	6945	5.76	5.69		3.37	12.105	
		7025	5.75	5.75		3.37	12.130	
		6025	10.23	10.05		1.60	14.751	
802.11ax-HE160	5	6185	10.21	10.20	1.60	14.815		
		6345	10.22	10.19	-0.09	13.125		
		6505	10.28	10.23	-0.09	13.175		
	7	6665	9.47	9.33	-0.09	12.321		
		6825	9.27	9.16	3.37	15.596		
	8	6985	9.28	9.18	3.37	15.611		

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
 2. According to KDB 662911 D01 E)1), Total E.I.R.P.(dBm) = Sum to individual output power (dBm)+ Directional gain (dBi) + 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
 Directional gain:
 5925MHz: $10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60$ dBi
 6525MHz: $10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09$ dBi
 7125MHz: $10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37$ 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).

● OFDMA Modulation

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 0			RU Index 4			RU Index 8				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE20	5	5955	26T	-5.82	-5.51	0.132	-5.74	-5.57	0.132	-5.89	-5.75	0.132	1.6	-0.912
		6175		-7.09	-7.42	0.132	-6.88	-7.20	0.132	-7.14	-7.46	0.132	1.6	-2.295
		6415		-7.48	-7.90	0.132	-7.39	-7.73	0.132	-7.64	-7.99	0.132	-0.09	-4.504
	6	6435		-7.62	-7.80	0.132	-7.43	-7.52	0.132	-7.65	-7.85	0.132	-0.09	-4.422
		6475		-7.74	-7.91	0.132	-7.61	-7.75	0.132	-7.83	-8.03	0.132	-0.09	-4.627
		6515		-7.91	-8.15	0.132	-7.74	-8.00	0.132	-7.96	-8.22	0.132	-0.09	-4.816
	7	6535		-8.70	-8.94	0.132	-8.50	-8.82	0.132	-8.82	-9.04	0.132	-0.09	-5.605
		6695		-9.17	-8.75	0.132	-8.98	-8.52	0.132	-9.21	-8.75	0.132	-0.09	-5.692
		6855		-8.72	-8.38	0.132	-8.56	-8.20	0.132	-8.85	-8.43	0.132	3.37	-1.864
	8	6875		-8.87	-8.52	0.132	-8.75	-8.33	0.132	-9.02	-8.62	0.132	3.37	-2.023
		6995		-7.84	-7.72	0.132	-7.69	-7.58	0.132	-7.91	-7.82	0.132	3.37	-1.122
		7115		-7.66	-7.40	0.132	-7.48	-7.25	0.132	-7.70	-7.47	0.132	3.37	-0.851

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 0			RU Index 8			RU Index 17				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE40	5	5965	26T	-5.97	-5.77	0.132	-5.90	-5.67	0.132	-5.82	-5.71	0.132	1.6	-1.022
		6165		-6.89	-7.16	0.132	-7.11	-7.36	0.132	-7.11	-7.34	0.132	1.6	-2.281
		6405		-7.34	-7.77	0.132	-7.53	-7.92	0.132	-7.57	-7.98	0.132	-0.09	-4.497
	6	6445		-7.60	-7.75	0.132	-7.73	-7.89	0.132	-7.69	-7.93	0.132	-0.09	-4.622
		6485		-7.67	-7.81	0.132	-7.84	-8.01	0.132	-7.89	-8.12	0.132	-0.09	-4.687
	7	6525		-7.82	-8.10	0.132	-8.05	-8.30	0.132	-8.08	-8.32	0.132	-0.09	-4.905
		6685		-9.20	-8.76	0.132	-9.29	-8.83	0.132	-9.24	-8.78	0.132	-0.09	-5.922
		6845		-8.58	-8.27	0.132	-8.74	-8.44	0.132	-8.81	-8.48	0.132	3.37	-1.910
	8	6885		-8.88	-8.49	0.132	-9.09	-8.68	0.132	-9.18	-8.80	0.132	3.37	-2.168
		7005		-7.84	-7.78	0.132	-8.05	-7.96	0.132	-8.09	-8.03	0.132	3.37	-1.298
		7085		-7.41	-7.18	0.132	-7.66	-7.39	0.132	-8.47	-8.09	0.132	3.37	-0.781

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 0			RU Index 18			RU Index 36				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE80	5	5985	26T	-5.94	-5.46	0.132	-5.33	-5.11	0.132	-6.14	-5.94	0.132	1.6	-0.476
		6145		-7.00	-6.98	0.132	-6.56	-6.55	0.132	-7.43	-7.36	0.132	1.6	-1.813
		6385		-7.50	-7.61	0.132	-7.00	-7.16	0.132	-7.90	-7.98	0.132	-0.09	-4.027
	6	6465		-8.04	-7.88	0.132	-7.56	-7.37	0.132	-8.37	-8.19	0.132	-0.09	-4.412
		6545		-8.31	-8.15	0.132	-7.92	-7.75	0.132	-8.79	-8.61	0.132	-0.09	-4.782
		6625		-9.44	-8.84	0.132	-8.84	-8.24	0.132	-9.59	-8.84	0.132	-0.09	-5.477
	7	6705		-9.53	-8.78	0.132	-9.01	-8.13	0.132	-9.78	-8.75	0.132	-0.09	-5.495
		6785		-8.70	-8.21	0.132	-8.18	-7.61	0.132	-9.02	-8.30	0.132	-0.09	-4.833
		6865		-9.06	-8.31	0.132	-8.65	-7.88	0.132	-9.63	-8.81	0.132	3.37	-1.736
	8	6945		-7.85	-7.24	0.132	-7.37	-6.83	0.132	-8.29	-7.74	0.132	3.37	-0.579
		7025		-8.29	-7.83	0.132	-7.92	-7.46	0.132	-8.85	-8.38	0.132	3.37	-1.172

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 0			RU Index 18			RU Index 36				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE160 (80L)	5	6025	26T	-7.50	-7.77	0.132	-6.33	-6.43	0.132	-5.96	-5.94	0.132	1.6	-1.208
		6185		-8.72	-8.55	0.132	-7.74	-7.52	0.132	-7.26	-7.13	0.132	1.6	-2.452
		6345		-9.23	-8.72	0.132	-8.01	-7.60	0.132	-7.55	-7.19	0.132	-0.09	-4.314
	6	6505		-9.36	-9.31	0.132	-8.32	-8.24	0.132	-7.94	-7.85	0.132	-0.09	-4.842
		6665		-10.54	-10.78	0.132	-9.34	-9.64	0.132	-8.78	-9.19	0.132	-0.09	-5.928
	7	6825		-9.76	-10.18	0.132	-8.55	-9.02	0.132	-8.07	-8.63	0.132	3.37	-1.829
		6985		-8.91	-9.26	0.132	-7.94	-8.31	0.132	-7.65	-7.79	0.132	3.37	-1.207

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index S0			RU Index S18			RU Index S36				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE160 (80H)	5	6025	26T	-5.79	-5.84	0.132	-6.58	-6.43	0.132	-8.17	-7.97	0.132	1.6	-1.073
		6185		-7.27	-7.10	0.132	-7.90	-7.75	0.132	-9.24	-9.26	0.132	1.6	-2.442
		6345		-7.54	-7.23	0.132	-8.15	-7.83	0.132	-9.75	-9.48	0.132	-0.09	-4.330
	6	6505		-7.96	-7.90	0.132	-8.76	-8.66	0.132	-10.33	-10.26	0.132	-0.09	-4.878
		6665		-8.62	-9.19	0.132	-9.08	-9.72	0.132	-10.36	-11.15	0.132	-0.09	-5.843
	7	6825		-8.12	-8.73	0.132	-8.75	-9.41	0.132	-10.38	-11.01	0.132	3.37	-1.902
		6985		-7.66	-7.92	0.132	-8.30	-8.57	0.132	-9.91	-10.17	0.132	3.37	-1.276

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Tones: 52T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 37			RU Index 39			RU Index 40				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE20	5	5955	52T	-2.58	-2.39	N/A	-2.56	-2.37	N/A	-2.68	-2.52	N/A	1.6	2.146
		6175		-3.76	-4.11	N/A	-3.75	-4.06	N/A	-3.86	-4.17	N/A	1.6	0.708
		6415		-4.20	-4.75	N/A	-4.19	-4.74	N/A	-4.34	-4.86	N/A	-0.09	-1.536
	6	6435		-4.32	-4.59	N/A	-4.28	-4.54	N/A	-4.38	-4.65	N/A	-0.09	-1.488
		6475		-4.47	-4.70	N/A	-4.42	-4.66	N/A	-4.51	-4.79	N/A	-0.09	-1.618
		6515		-4.63	-4.94	N/A	-4.62	-4.88	N/A	-4.70	-5.02	N/A	-0.09	-1.828
	7	6535		-5.51	-5.74	N/A	-5.50	-5.70	N/A	-5.60	-5.83	N/A	-0.09	-2.679
		6695		-5.94	-5.52	N/A	-5.90	-5.47	N/A	-6.03	-5.58	N/A	-0.09	-2.759
		6855		-5.50	-5.14	N/A	-5.50	-5.13	N/A	-5.67	-5.26	N/A	3.37	1.069
	8	6875		-5.69	-5.29	N/A	-5.68	-5.29	N/A	-5.82	-5.45	N/A	3.37	0.900
		6995		-4.75	-4.56	N/A	-4.73	-4.56	N/A	-4.84	-4.70	N/A	3.37	1.736
		7115		-4.52	-4.31	N/A	-4.54	-4.31	N/A	-8.37	-8.03	N/A	3.37	1.967

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 37			RU Index 40			RU Index 44				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE40	5	5965	52T	-2.81	-2.57	N/A	-2.79	-2.62	N/A	-2.81	-2.71	N/A	1.6	1.922
		6165		-3.82	-4.15	N/A	-3.87	-4.19	N/A	-3.96	-4.28	N/A	1.6	0.628
		6405		-4.21	-4.73	N/A	-4.31	-4.79	N/A	-4.42	-4.94	N/A	-0.09	-1.542
	6	6445		-4.46	-4.64	N/A	-4.49	-4.67	N/A	-4.52	-4.78	N/A	-0.09	-1.629
		6485		-4.53	-4.78	N/A	-4.59	-4.85	N/A	-4.73	-4.96	N/A	-0.09	-1.733
	7	6525		-4.75	-5.00	N/A	-4.82	-5.08	N/A	-4.82	-5.08	N/A	-0.09	-1.953
		6685		-6.00	-5.66	N/A	-6.01	-5.64	N/A	-6.07	-5.63	N/A	-0.09	-2.901
		6845		-5.54	-5.16	N/A	-5.63	-5.23	N/A	-5.76	-5.34	N/A	3.37	1.034
	8	6885		-5.77	-5.36	N/A	-5.90	-5.45	N/A	-6.03	-5.65	N/A	3.37	0.820
		7005		-4.81	-4.62	N/A	-4.93	-4.75	N/A	-5.06	-4.92	N/A	3.37	1.666
		7085		-4.33	-4.11	N/A	-4.44	-4.20	N/A	-4.60	-4.35	N/A	3.37	2.162

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 37			RU Index 44			RU Index 52				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE80	5	5985	52T	-2.64	-3.04	N/A	-2.33	-2.57	N/A	-2.98	-3.07	N/A	1.6	2.162
		6145		-3.99	-3.86	N/A	-3.70	-3.62	N/A	-4.31	-4.29	N/A	1.6	0.950
		6385		-4.61	-4.45	N/A	-4.34	-4.18	N/A	-5.06	-5.08	N/A	-0.09	-1.339
	6	6465		-4.82	-5.09	N/A	-4.50	-4.79	N/A	-5.17	-5.42	N/A	-0.09	-1.722
		6545		-5.13	-5.42	N/A	-4.91	-5.19	N/A	-5.60	-5.95	N/A	-0.09	-2.127
		7		6625	-5.82	-6.59	N/A	-5.42	-6.23	N/A	-5.83	-6.75	N/A	-0.09
	6705			-5.81	-6.77	N/A	-5.38	-6.44	N/A	-5.78	-7.01	N/A	-0.09	-2.957
	6785			-5.26	-6.00	N/A	-4.83	-5.67	N/A	-5.34	-6.27	N/A	-0.09	-2.309
	8	6865		-5.36	-6.33	N/A	-5.10	-6.11	N/A	-5.88	-6.85	N/A	3.37	0.805
		6945		-4.75	-5.11	N/A	-4.02	-4.81	N/A	-4.80	-5.46	N/A	3.37	1.983
		7025		-4.92	-5.54	N/A	-4.74	-5.31	N/A	-5.48	-5.98	N/A	3.37	1.365

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 37			RU Index 44			RU Index 52				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80L)	5	6025	52T	-4.13	-4.45	N/A	-3.13	-3.29	N/A	-2.75	-2.79	N/A	1.6	1.840
		6185		-5.48	-5.27	N/A	-4.52	-4.32	N/A	-4.10	-3.95	N/A	1.6	0.586
		6345		-6.15	-5.61	N/A	-4.97	-4.52	N/A	-4.39	-4.02	N/A	-0.09	-1.281
	6	6505		-6.25	-6.24	N/A	-5.23	-5.23	N/A	-4.86	-4.81	N/A	-0.09	-1.915
		7		6665	-7.32	-7.72	N/A	-6.17	-6.62	N/A	-5.51	-6.11	N/A	-0.09
	6825			-6.70	-7.18	N/A	-5.59	-6.13	N/A	-5.07	-5.67	N/A	3.37	1.021
	8	6985		-5.77	-6.24	N/A	-4.78	-5.25	N/A	-4.48	-4.88	N/A	3.37	1.705

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index S37			RU Index S44			RU Index S52				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80H)	5	6025	52T	-2.76	-2.80	N/A	-3.40	-3.34	N/A	-4.98	-4.88	N/A	1.6	1.830
		6185		-4.11	-3.97	N/A	-4.68	-4.62	N/A	-6.13	-6.16	N/A	1.6	0.571
		6345		-4.42	-4.07	N/A	-4.96	-4.64	N/A	-6.64	-6.22	N/A	-0.09	-1.321
	6	6505		-4.85	-4.82	N/A	-5.50	-5.45	N/A	-7.05	-7.07	N/A	-0.09	-1.915
		7		6665	-5.57	-6.20	N/A	-5.96	-6.71	N/A	-7.25	-8.13	N/A	-0.09
	6825			-5.07	-5.72	N/A	-5.65	-6.35	N/A	-7.30	-7.98	N/A	3.37	0.997
	8	6985		-4.48	-4.92	N/A	-5.21	-5.56	N/A	-6.85	-7.13	N/A	3.37	1.686

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Tones: 106T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 53			RU Index 54				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE20	5	5955	106T	0.41	0.52	N/A	0.42	0.51	N/A	1.6	5.076
		6175		-0.66	-0.95	N/A	-0.78	-1.02	N/A	1.6	3.808
		6415		-1.10	-1.64	N/A	-1.23	-1.72	N/A	-0.09	1.559
	6	6435		-1.30	-1.46	N/A	-1.31	-1.52	N/A	-0.09	1.541
		6475		-1.38	-1.62	N/A	-1.46	-1.69	N/A	-0.09	1.422
		6515		-1.45	-1.72	N/A	-1.52	-1.77	N/A	-0.09	1.337
	7	6535		-2.45	-2.69	N/A	-2.49	-2.77	N/A	-0.09	0.352
		6695		-2.94	-2.52	N/A	-2.94	-2.48	N/A	-0.09	0.216
		6855		-2.51	-2.11	N/A	-2.60	-2.20	N/A	3.37	4.075
	8	6875		-2.64	-2.24	N/A	-2.77	-2.35	N/A	3.37	3.945
		6995		-1.59	-1.43	N/A	-1.67	-1.52	N/A	3.37	4.871
		7115		-1.44	-1.16	N/A	-8.24	-7.86	N/A	3.37	5.083

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 53			RU Index 54			RU Index 56				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE40	5	5965	106T	0.34	0.46	N/A	0.39	0.48	N/A	0.35	0.36	N/A	1.6	5.046
		6165		-0.71	-1.06	N/A	-0.76	-1.07	N/A	-0.92	-1.18	N/A	1.6	3.729
		6405		-1.13	-1.63	N/A	-1.14	-1.65	N/A	-1.31	-1.81	N/A	-0.09	1.547
	6	6445		-1.38	-1.57	N/A	-1.37	-1.56	N/A	-1.49	-1.68	N/A	-0.09	1.456
		6485		-1.49	-1.72	N/A	-1.51	-1.74	N/A	-1.66	-1.89	N/A	-0.09	1.317
	7	6525		-1.68	-1.93	N/A	-1.71	-1.97	N/A	-1.86	-2.13	N/A	-0.09	1.117
		6685		-2.97	-2.61	N/A	-2.95	-2.57	N/A	-3.09	-2.60	N/A	-0.09	0.164
		6845		-2.50	-2.12	N/A	-2.53	-2.16	N/A	-2.72	-2.32	N/A	3.37	4.074
	8	6885		-2.76	-2.37	N/A	-2.82	-2.39	N/A	-3.03	-2.60	N/A	3.37	3.820
		7005		-1.69	-1.57	N/A	-1.74	-1.63	N/A	-1.93	-1.81	N/A	3.37	4.751
		7085		-1.33	-1.09	N/A	-1.36	-1.13	N/A	-1.52	-1.28	N/A	3.37	5.172

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 53			RU Index 56			RU Index 60				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE80	5	5985	106T	0.28	0.00	N/A	0.64	0.49	N/A	-0.07	-0.06	N/A	1.6	5.176
		6145		-1.05	-0.96	N/A	-0.81	-0.73	N/A	-1.37	-1.36	N/A	1.6	3.840
		6385		-1.71	-1.61	N/A	-1.40	-1.35	N/A	-2.05	-2.02	N/A	-0.09	1.545
	6	6465		-1.77	-2.23	N/A	-1.49	-1.94	N/A	-2.09	-2.53	N/A	-0.09	1.211
		6545		-2.15	-2.46	N/A	-1.96	-2.28	N/A	-2.60	-2.98	N/A	-0.09	0.803
	7	6625		-2.87	-3.64	N/A	-2.47	-3.33	N/A	-2.84	-3.84	N/A	-0.09	0.042
		6705		-2.82	-3.91	N/A	-2.42	-3.58	N/A	-2.75	-4.08	N/A	-0.09	-0.041
		6785		-1.82	-2.65	N/A	-1.62	-2.52	N/A	-2.13	-3.13	N/A	-0.09	0.874
	8	6865		-2.20	-3.02	N/A	-2.00	-2.89	N/A	-2.67	-3.58	N/A	3.37	3.958
		6945		-1.14	-1.84	N/A	-0.94	-1.58	N/A	-1.62	-2.19	N/A	3.37	5.132
		7025		-1.69	-2.25	N/A	-1.59	-2.06	N/A	-2.28	-2.71	N/A	3.37	4.562

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 53			RU Index 56			RU Index 60				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80L)	5	6025	106T	-1.06	-1.27	N/A	-0.16	-0.26	N/A	0.26	0.31	N/A	1.6	4.895
		6185		-2.35	-2.18	N/A	-1.47	-1.33	N/A	-1.03	-0.92	N/A	1.6	3.636
		6345		-2.96	-2.46	N/A	-1.94	-1.52	N/A	-1.35	-1.00	N/A	-0.09	1.749
	6	6505		-2.92	-3.06	N/A	-2.06	-2.16	N/A	-1.66	-1.71	N/A	-0.09	1.235
		6665		-4.17	-4.51	N/A	-3.17	-3.57	N/A	-2.59	-3.00	N/A	-0.09	0.130
	7	6825		-3.67	-3.66	N/A	-2.71	-2.82	N/A	-2.18	-2.35	N/A	3.37	4.116
		6985		-2.61	-2.77	N/A	-1.78	-1.92	N/A	-1.48	-1.51	N/A	3.37	4.885

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index S53			RU Index S56			RU Index S60				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80H)	5	6025	106T	0.19	0.28	N/A	-0.36	-0.19	N/A	-1.85	-1.68	N/A	1.6	4.846
		6185		-1.05	-0.95	N/A	-1.54	-1.49	N/A	-2.94	-3.03	N/A	1.6	3.611
		6345		-1.35	-1.02	N/A	-1.82	-1.52	N/A	-3.34	-3.02	N/A	-0.09	1.738
	6	6505		-1.76	-1.78	N/A	-2.32	-2.34	N/A	-3.86	-3.88	N/A	-0.09	1.150
		6665		-2.92	-3.06	N/A	-3.35	-3.50	N/A	-4.72	-4.86	N/A	-0.09	-0.069
	7	6825		-2.23	-2.42	N/A	-2.78	-2.97	N/A	-4.32	-4.52	N/A	3.37	4.056
		6985		-1.48	-1.58	N/A	-2.05	-2.13	N/A	-3.61	-3.67	N/A	3.37	4.851

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Tones: 242T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 61				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE20	5	5955	242T	2.27	2.57	0.123	1.6	7.156
		6175		2.16	2.51	0.123	1.6	7.072
		6415		2.05	2.43	0.123	-0.09	5.287
	6	6435		1.52	2.01	0.123	-0.09	4.815
		6475		1.61	1.95	0.123	-0.09	4.827
		6515		1.82	1.84	0.123	-0.09	4.873
	7	6535		1.54	1.74	0.123	-0.09	4.684
		6695		1.64	1.81	0.123	-0.09	4.769
		6855		1.75	1.82	0.123	3.37	8.288
	8	6875		1.24	1.29	0.123	3.37	7.768
		6995		1.03	1.04	0.123	3.37	7.538
		7115		-2.88	-2.45	0.123	3.37	3.844

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 61			RU Index 62				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE40	5	5965	242T	1.81	1.47	0.123	2.03	1.35	0.123	1.6	2.03
		6165		1.78	1.53	0.123	1.76	1.36	0.123	1.6	1.76
		6405		1.20	1.18	0.123	1.82	1.53	0.123	-0.09	1.82
	6	6445		1.43	1.05	0.123	1.36	1.09	0.123	-0.09	1.36
		6485		1.54	1.08	0.123	1.13	1.46	0.123	-0.09	1.13
	7	6525		1.22	0.25	0.123	2.18	1.62	0.123	-0.09	2.18
		6685		1.21	0.06	0.123	1.33	0.34	0.123	-0.09	1.33
		6845		0.95	0.03	0.123	1.49	0.31	0.123	3.37	1.49
	8	6885		0.77	-0.19	0.123	0.75	0.03	0.123	3.37	0.75
		7005		0.91	0.22	0.123	0.91	-0.11	0.123	3.37	0.91
		7085		1.81	1.47	0.123	1.26	0.61	0.123	3.37	1.26

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 61			RU Index 62			RU Index 64				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE80	5	5985	242T	2.45	2.75	0.123	2.53	3.05	0.123	2.37	2.58	0.123	1.6	7.531
		6145		2.57	2.64	0.123	2.58	2.71	0.123	2.25	2.41	0.123	1.6	7.379
		6385		2.19	2.23	0.123	2.43	2.43	0.123	2.48	2.40	0.123	-0.09	5.483
	6	6465		2.02	1.75	0.123	3.00	2.84	0.123	1.87	1.83	0.123	-0.09	5.964
		6545		1.43	2.13	0.123	2.31	2.99	0.123	2.06	2.61	0.123	-0.09	5.707
	7	6625		1.01	1.77	0.123	1.21	1.95	0.123	0.93	1.79	0.123	-0.09	4.639
		6705		1.07	1.76	0.123	1.25	1.91	0.123	1.04	1.75	0.123	-0.09	4.636
		6785		1.00	1.67	0.123	1.13	1.82	0.123	1.07	1.84	0.123	-0.09	4.532
	8	6865		0.86	1.51	0.123	1.37	2.01	0.123	0.53	0.97	0.123	3.37	8.205
		6945		0.66	0.97	0.123	1.6	1.97	0.123	0.42	1.04	0.123	3.37	8.292
		7025		0.39	1.03	0.123	1.38	2.01	0.123	0.27	1.24	0.123	3.37	8.210

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 61			RU Index 62			RU Index 64				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80L)	5	6025	242T	2.01	2.62	0.123	2.41	2.91	0.123	1.74	2.6	0.123	1.6	7.400
		6185		2.04	2.39	0.123	2.33	2.82	0.123	1.85	2.37	0.123	1.6	7.315
		6345		2.03	2.41	0.123	2.42	2.63	0.123	1.80	2.32	0.123	-0.09	5.570
	6	6505		1.63	1.75	0.123	2.65	2.93	0.123	1.56	1.83	0.123	-0.09	5.836
		6665		0.20	1.31	0.123	0.79	1.83	0.123	0.34	1.76	0.123	-0.09	4.384
	7	6825		-0.06	1.39	0.123	0.37	1.61	0.123	-0.09	1.23	0.123	3.37	7.537
		6985		-0.29	0.64	0.123	0.87	1.90	0.123	-0.58	0.89	0.123	3.37	7.919

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)									Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index S61			RU Index S62			RU Index S64				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE160 (80H)	5	6025	242T	1.67	2.69	0.123	1.72	2.52	0.123	1.92	2.59	0.123	1.6	7.001
		6185		1.86	2.37	0.123	1.81	2.41	0.123	2.03	2.43	0.123	1.6	6.968
		6345		1.78	2.27	0.123	1.82	2.28	0.123	2.1	2.48	0.123	-0.09	5.337
	6	6505		1.48	1.96	0.123	2.15	2.63	0.123	2.09	2.45	0.123	-0.09	5.440
		6665		-0.1	1.38	0.123	-0.29	1.27	0.123	-0.21	1.51	0.123	-0.09	3.778
	7	6825		-0.19	1.3	0.123	0.52	1.38	0.123	-0.12	0.94	0.123	3.37	7.475
		6985		-0.44	0.82	0.123	0.43	1.55	0.123	-0.23	0.9	0.123	3.37	7.529

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Tones: 484T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 65				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE40	5	5965	484T	5.58	5.58	N/A	1.6	10.190
		6165		5.4	5.56	N/A	1.6	10.091
		6405		5.24	5.45	N/A	-0.09	8.267
	6	6445		5.33	5.65	N/A	-0.09	8.413
		6485		5.44	5.66	N/A	-0.09	8.472
		7		6525	5.52	5.56	N/A	-0.09
	6685			4.72	4.89	N/A	-0.09	7.726
	6845			4.76	4.79	N/A	3.37	11.155
	8	6885		4.73	4.94	N/A	3.37	11.217
		7005		4.7	4.71	N/A	3.37	11.085
		7085		4.95	5.00	N/A	3.37	11.355

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 65			RU Index 66				
				AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}	AUX	Main	Duty Cycle Factor $10\log(1/X)$ ^{Note 3}		
802.11ax-HE80	5	5985	484T	5.55	5.48	N/A	5.4	5.47	N/A	1.6	10.125
		6145		5.58	5.38	N/A	5.51	5.34	N/A	1.6	10.091
		6385		5.22	5.18	N/A	5.47	5.29	N/A	-0.09	8.301
	6	6465		5.67	5.21	N/A	5.56	5.44	N/A	-0.09	8.421
		6545		5.24	5.62	N/A	5.23	5.35	N/A	-0.09	8.354
		7		6625	4.47	4.65	N/A	4.41	4.56	N/A	-0.09
	6705			4.56	4.62	N/A	4.46	4.73	N/A	-0.09	7.517
	6785			4.31	4.66	N/A	4.41	4.73	N/A	-0.09	7.493
	8	6865		4.29	4.66	N/A	4.62	4.62	N/A	3.37	11.000
		6945		4.72	4.55	N/A	4.47	4.72	N/A	3.37	11.016
		7025		4.34	4.62	N/A	4.63	4.68	N/A	3.37	11.035

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 65			RU Index 66				
				AUX	Main	Duty Cycle Factor ^{Note 3} 10log(1/X)	AUX	Main	Duty Cycle Factor ^{Note 3} 10log(1/X)		
802.11ax-HE160 (80L)	5	6025	484T	5.13	5.32	N/A	4.93	5.31	N/A	1.6	9.836
		6185		5.18	5.26	N/A	5.05	5.16	N/A	1.6	9.830
		6345		4.98	5.21	N/A	5.03	5.12	N/A	-0.09	8.017
	6	6505		5.34	5.05	N/A	5.29	5.41	N/A	-0.09	8.271
		6665		4.06	4.44	N/A	3.86	4.32	N/A	-0.09	7.174
	7	6825		3.94	4.43	N/A	3.95	4.52	N/A	3.37	10.625
		6985		4.32	4.38	N/A	4.13	4.68	N/A	3.37	10.794

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index S65			RU Index S66				
				AUX	Main	Duty Cycle Factor ^{Note 3} 10log(1/X)	AUX	Main	Duty Cycle Factor ^{Note 3} 10log(1/X)		
802.11ax-HE160 (80H)	5	6025	484T	4.79	5.3	N/A	5.01	5.3	N/A	1.6	9.768
		6185		4.84	5.18	N/A	4.96	5.13	N/A	1.6	9.656
		6345		4.81	5.05	N/A	5.05	5.13	N/A	-0.09	8.010
	6	6505		5.12	5.43	N/A	5.08	5.31	N/A	-0.09	8.198
		6665		4.11	4.49	N/A	3.94	4.61	N/A	-0.09	7.224
	7	6825		3.95	4.46	N/A	4.18	4.57	N/A	3.37	10.760
		6985		4.09	4.43	N/A	4.23	4.57	N/A	3.37	10.784

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: } 10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09\text{dBi}$$

$$7125\text{MHz: } 10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

Tones: 996T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 67				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE80	5	5985	996T	6.93	7.07	0.128	1.6	11.739
		6145		6.29	6.91	0.128	1.6	11.349
		6385		6.43	6.85	0.128	-0.09	9.693
	6	6465		6.23	6.85	0.128	-0.09	9.599
		6545		6.31	6.8	0.128	-0.09	9.610
	7	6625		5.78	6.16	0.128	-0.09	9.022
		6705		5.79	6.13	0.128	-0.09	9.012
		6785		5.65	5.92	0.128	-0.09	8.835
	8	6865		5.58	5.92	0.128	3.37	12.262
		6945		5.75	6.02	0.128	3.37	12.395
		7025		5.74	6.01	0.128	3.37	12.385

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)						Directional Antenna Gain (dBi) ^{Note 4}	Max EIRP (dBm) ^{Note 5}
				RU Index 67			RU Index S67				
				AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}	AUX	Main	Duty Cycle Factor 10log(1/X) ^{Note 3}		
802.11ax-HE160	5	6025	484T	7.12	7.2	0.128	7	6.94	0.128	1.6	11.898
		6185		6.79	7.24	0.128	7.2	7.28	0.128	1.6	11.978
		6345		7.16	7.5	0.128	6.72	7.06	0.128	-0.09	10.382
	6	6505		6.52	6.89	0.128	6.68	6.91	0.128	-0.09	9.845
		6665		6.25	6.39	0.128	6.2	6.41	0.128	-0.09	9.369
	7	6825		6.11	6.24	0.128	5.68	5.92	0.128	3.37	12.684
		6985		5.89	6.06	0.128	5.76	6.04	0.128	3.37	12.484

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. EIRP limit is 24dBm

3. Duty cycle factor is not applicable for duty cycle > 98%.

4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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

Directional gain:

$$5925\text{MHz: } 10 \log[(10^{1.7/10} + 10^{1.5/10})/2] = 1.60\text{dBi}$$

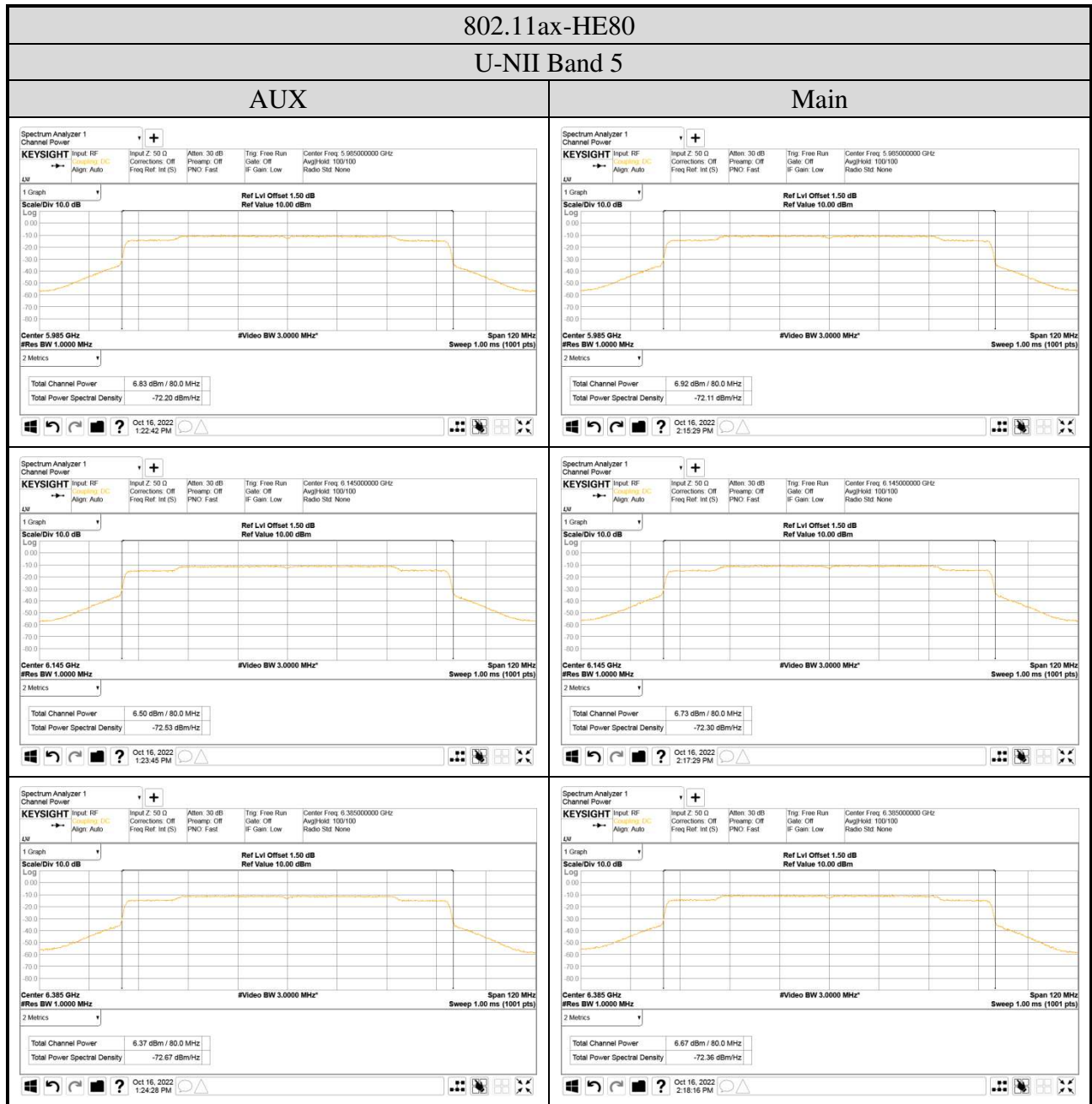
$$6525\text{MHz: } 10 \log[(10^{0.2/10} + 10^{0.4/10})/2] = 0.09\text{dBi}$$

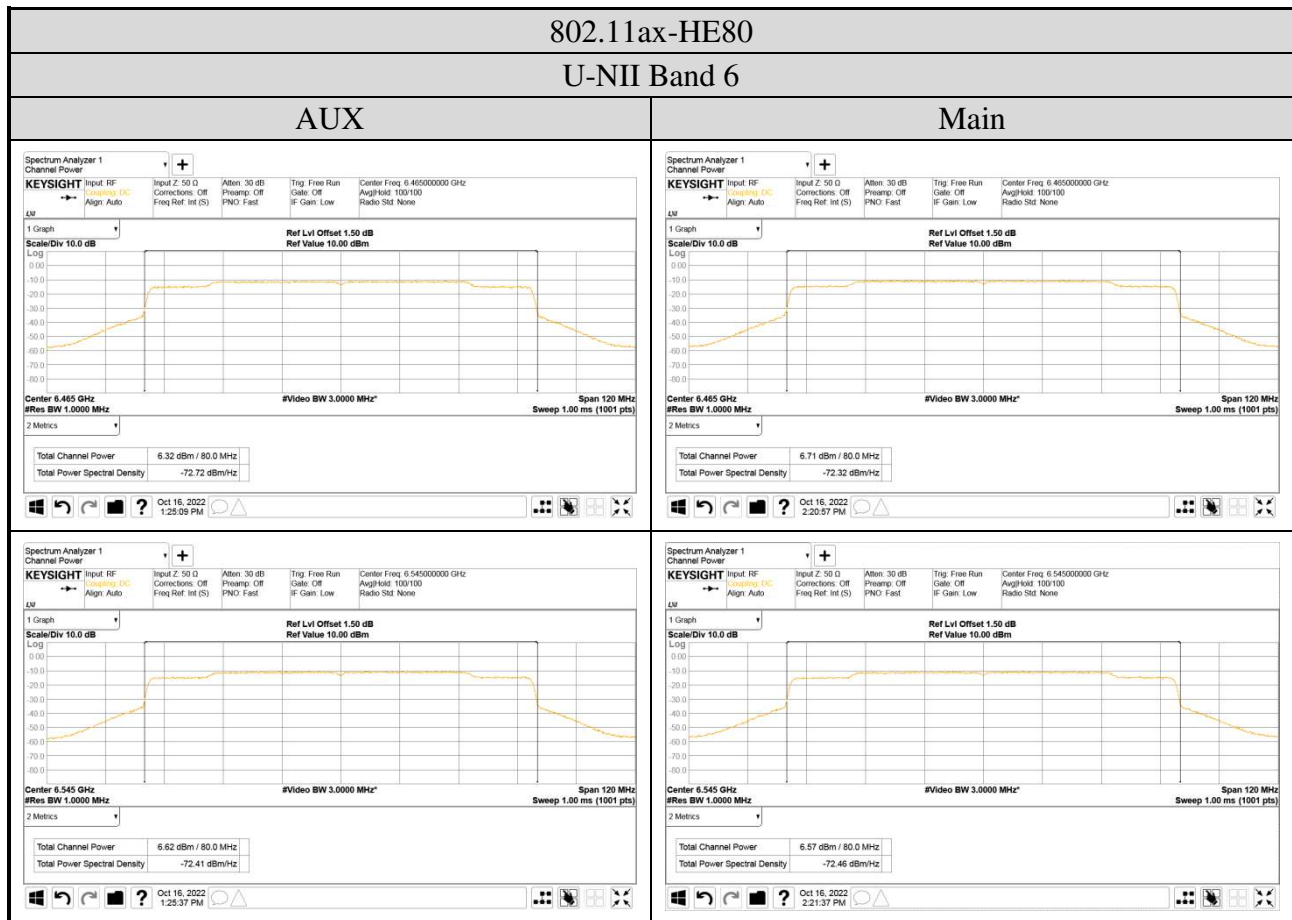
$$7125\text{MHz: } 10 \log[(10^{2.9/10} + 10^{3.8/10})/2] = 3.37\text{dBi}$$

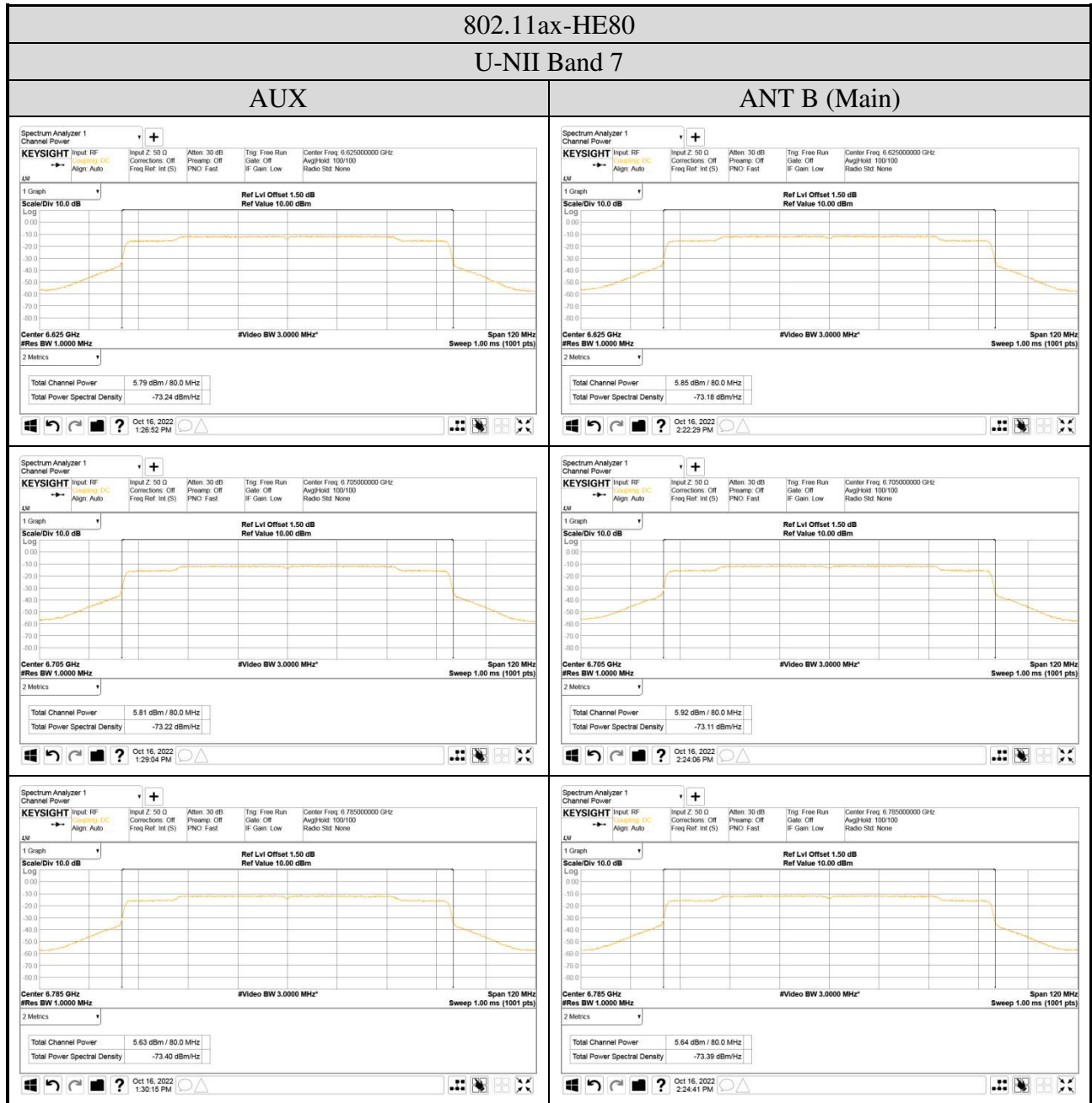
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

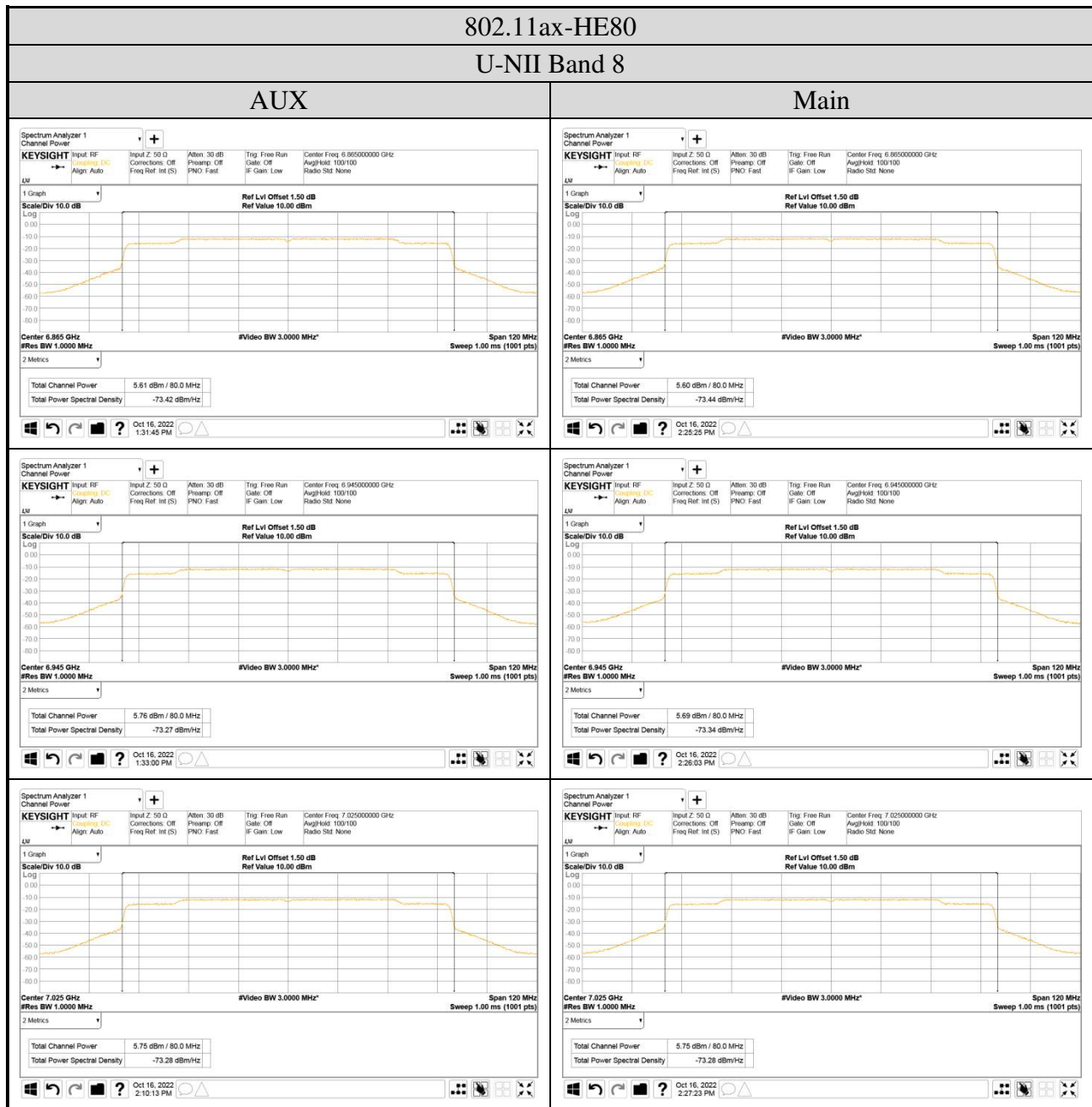
5. Max EIRP = Max of Average Conducted Output Power [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor]+ Directional gain.

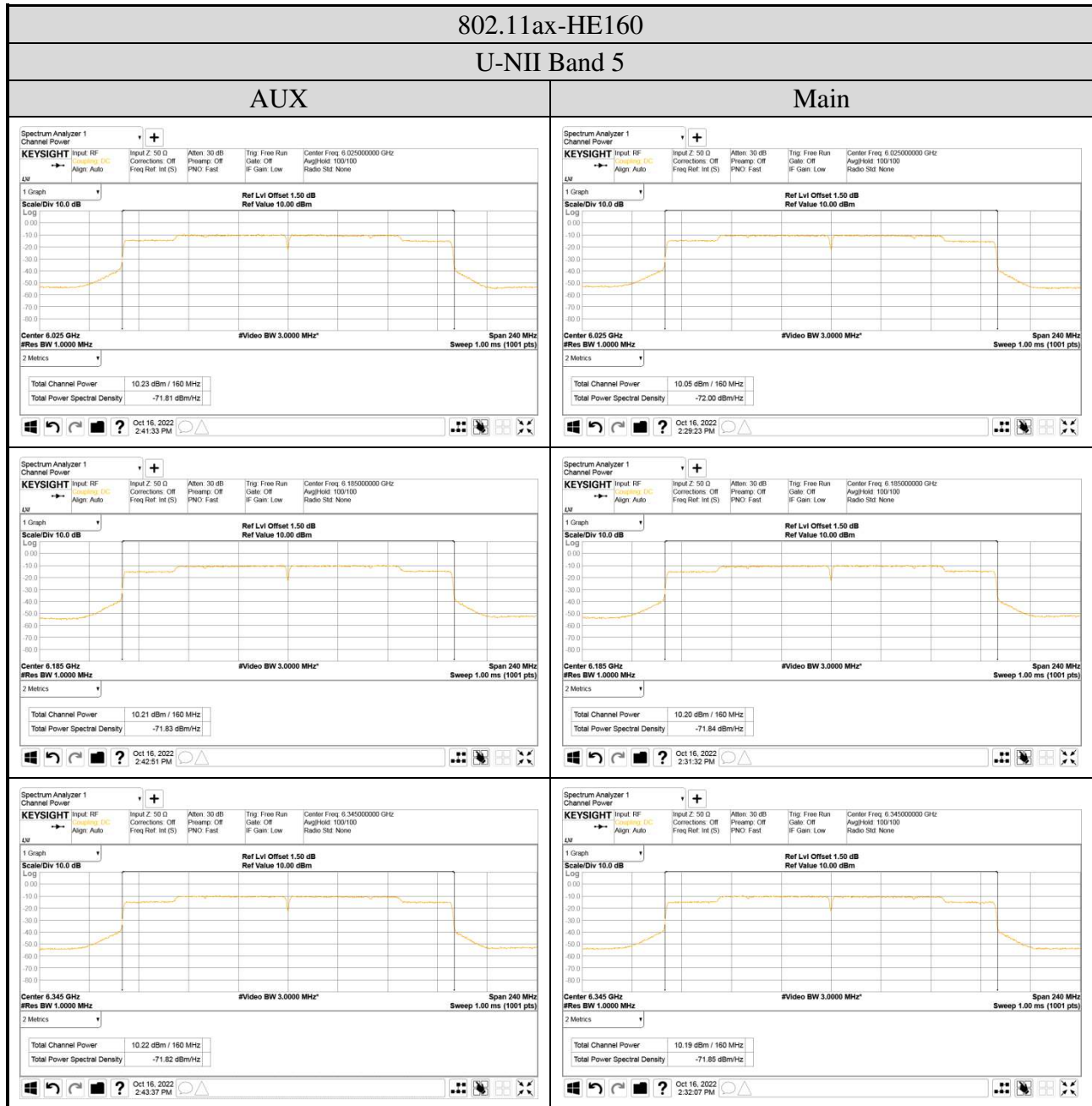
A.4.2 Measurement Plots

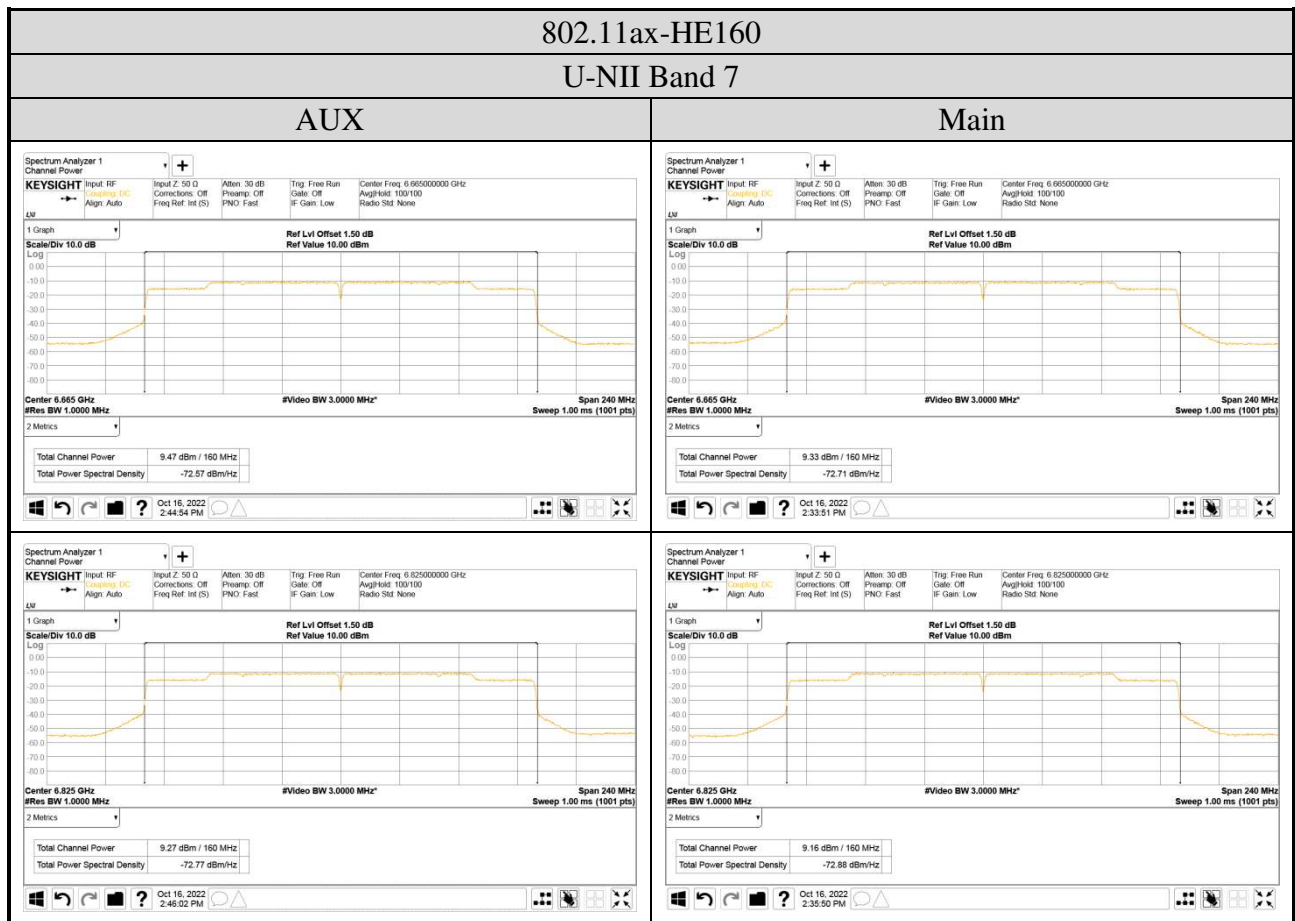
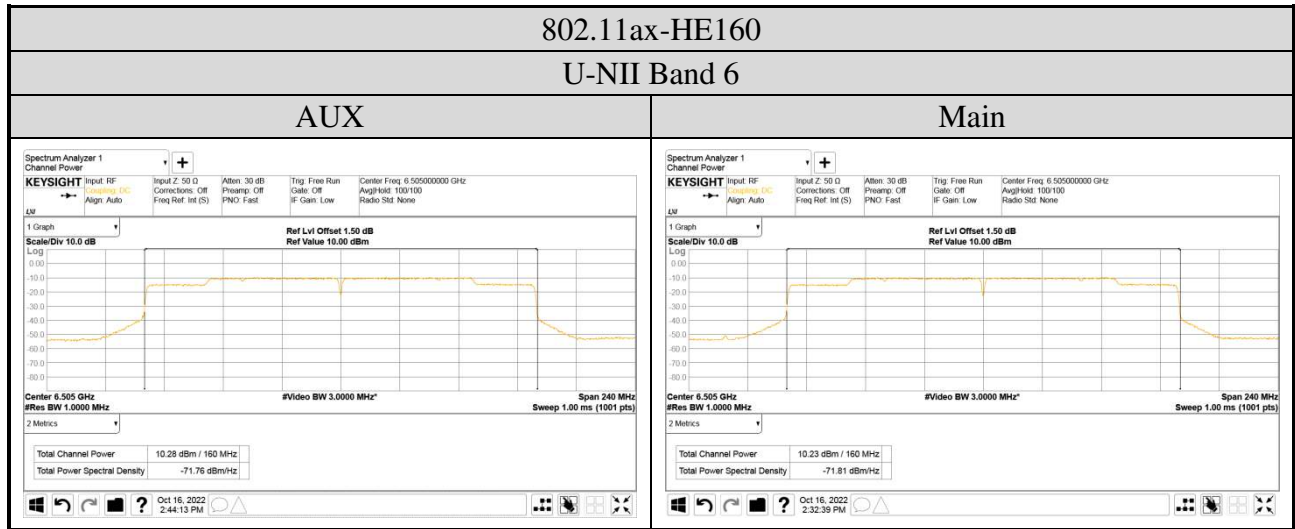


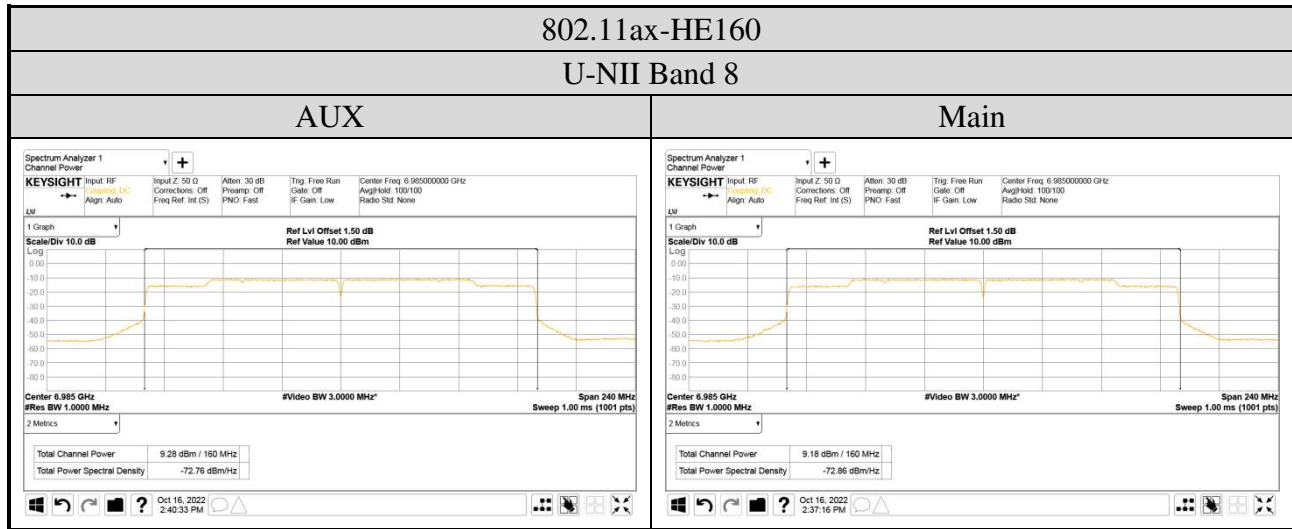


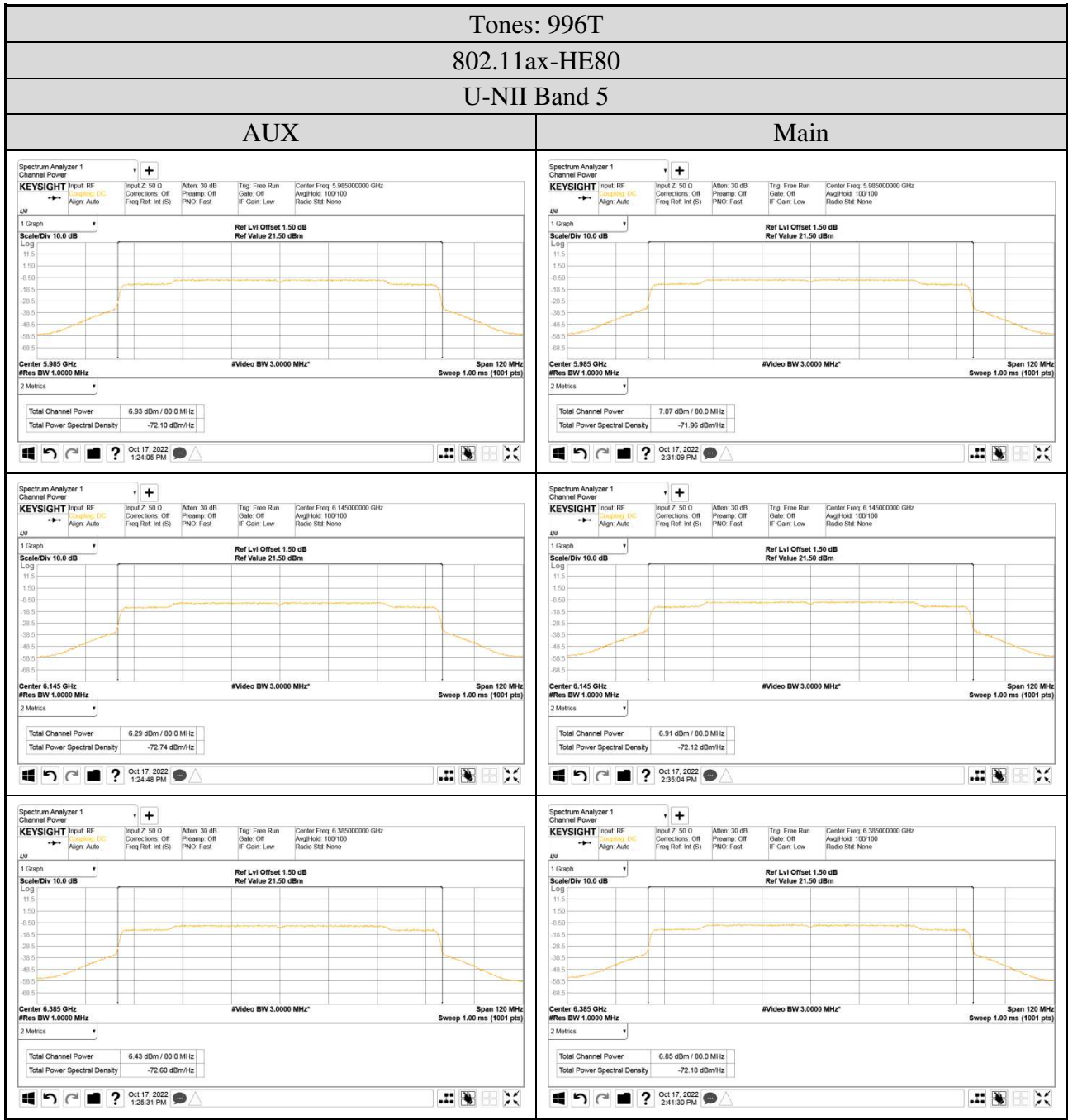






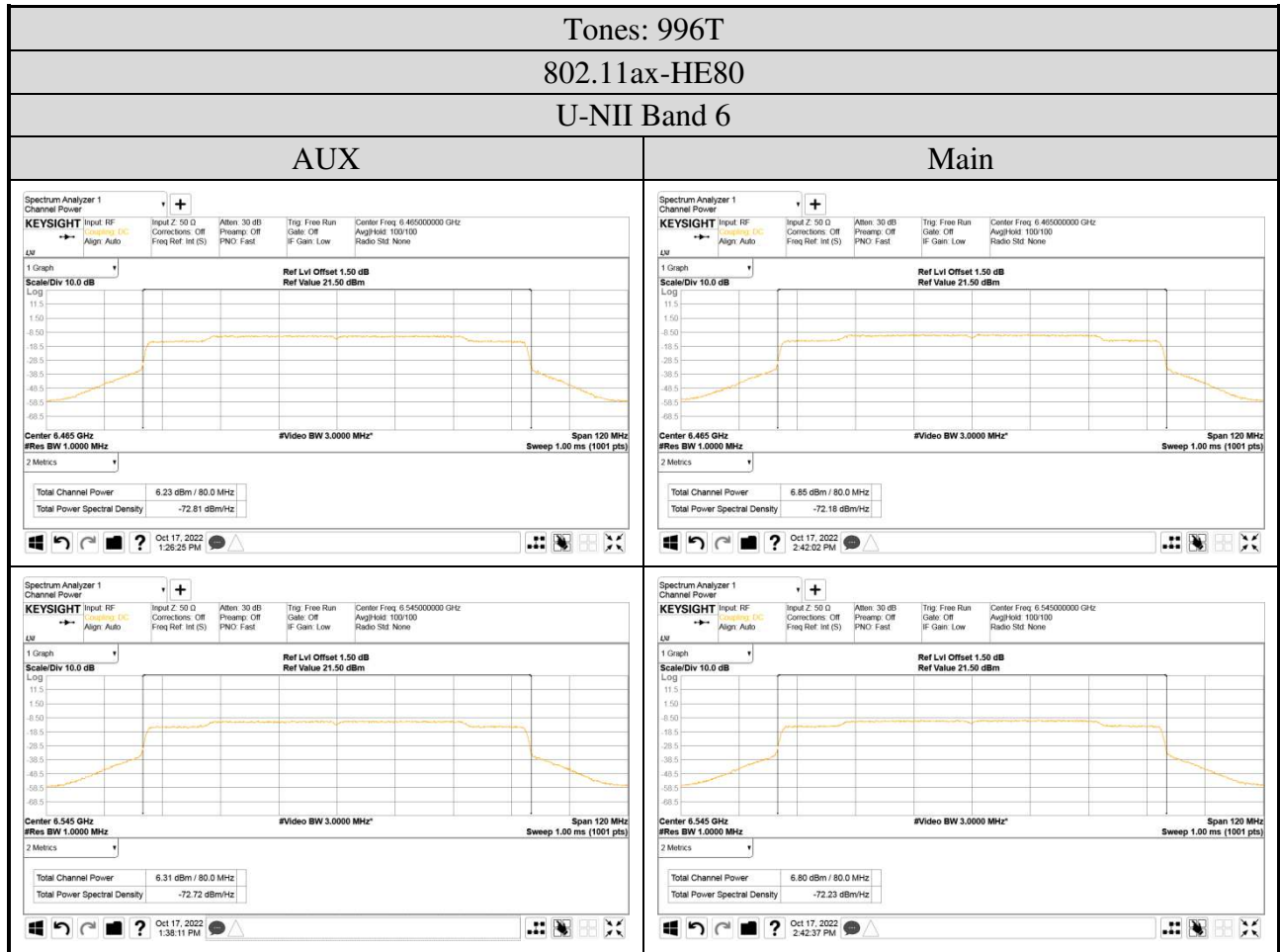






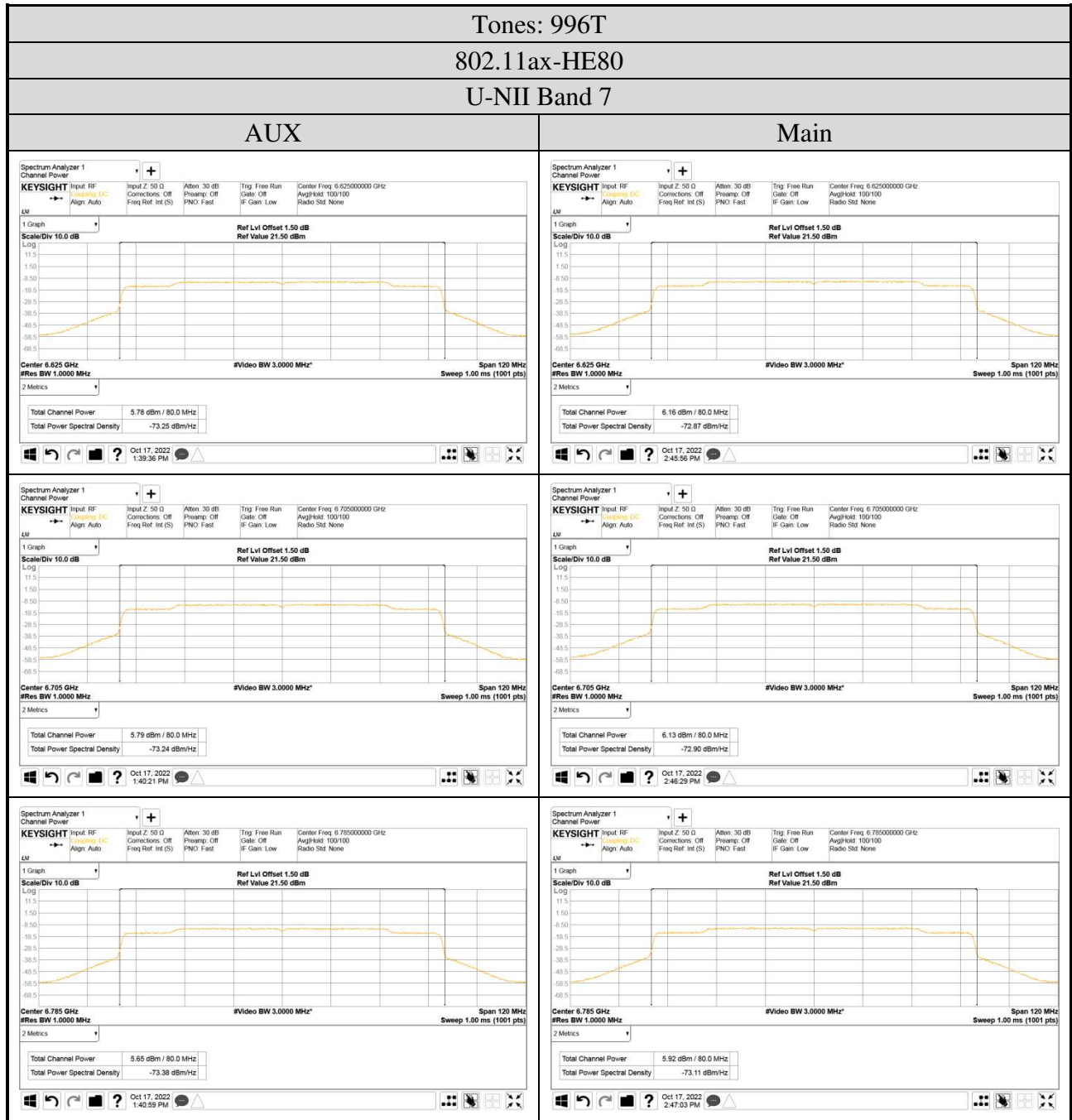
Audix Technology Corp.
 No. 491, Zhongfu Rd., Linkou Dist.,
 New Taipei City 244, Taiwan

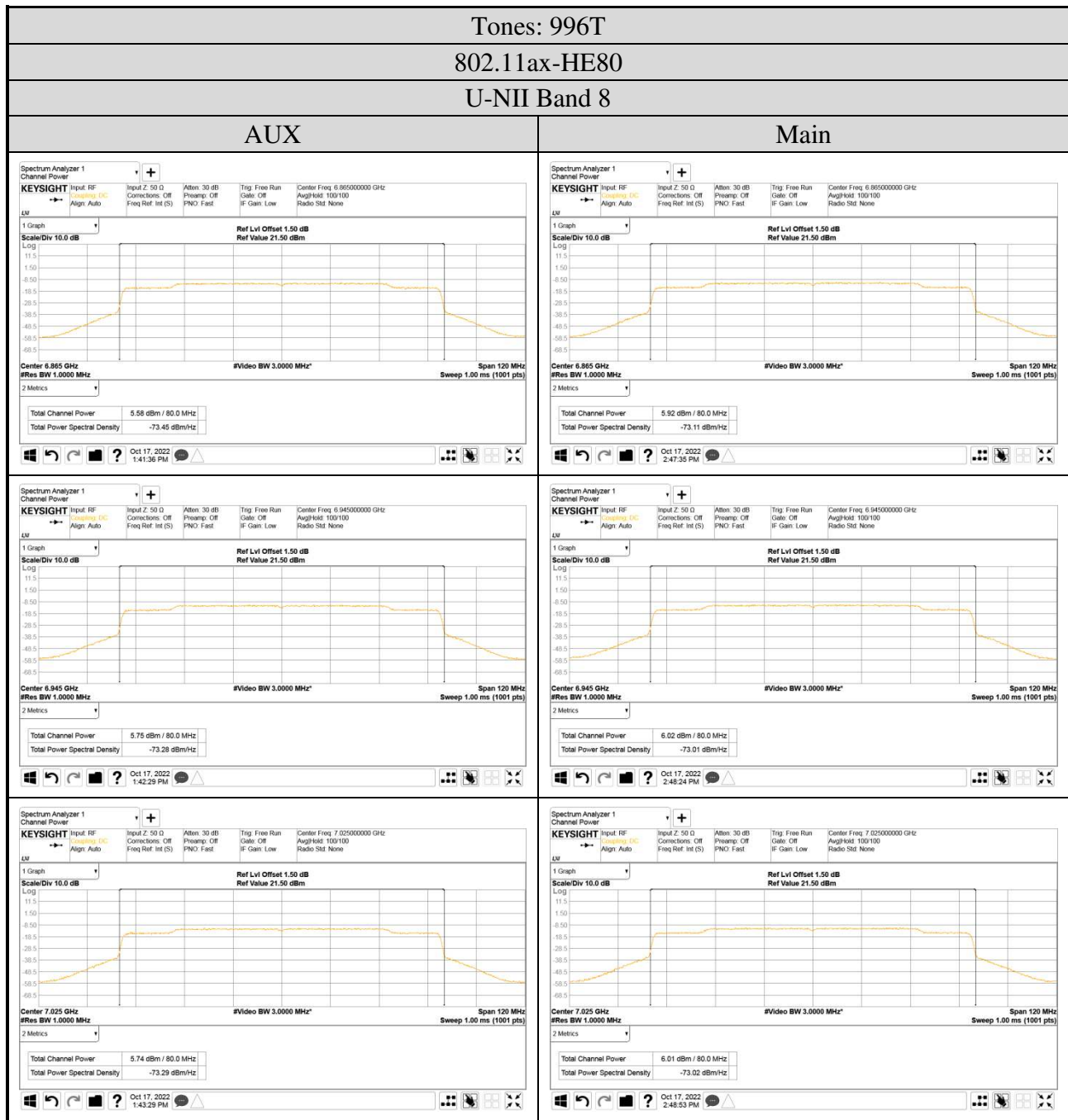
Tel: +886 2 26099301
 Fax: +886 2 26099303

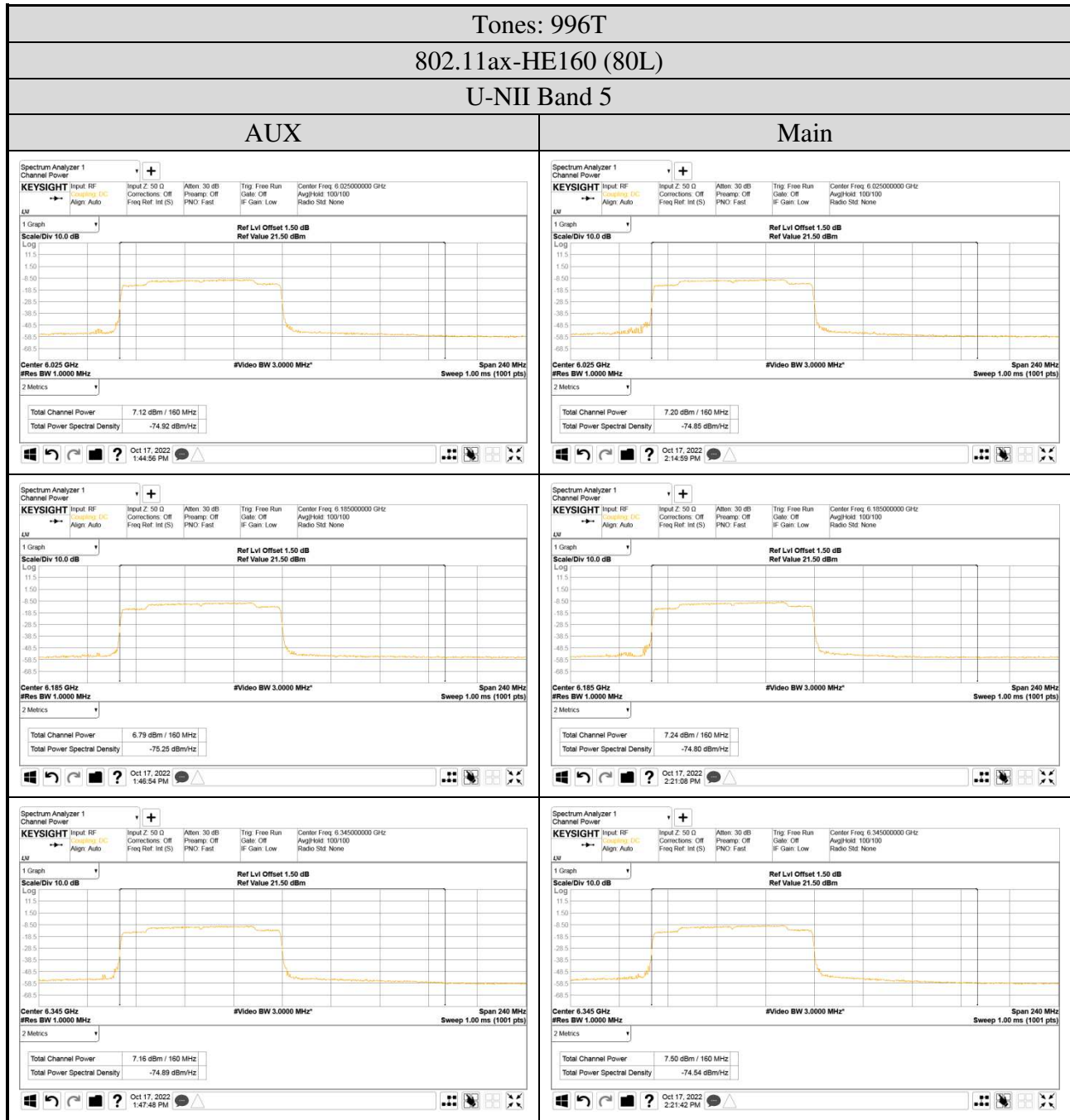


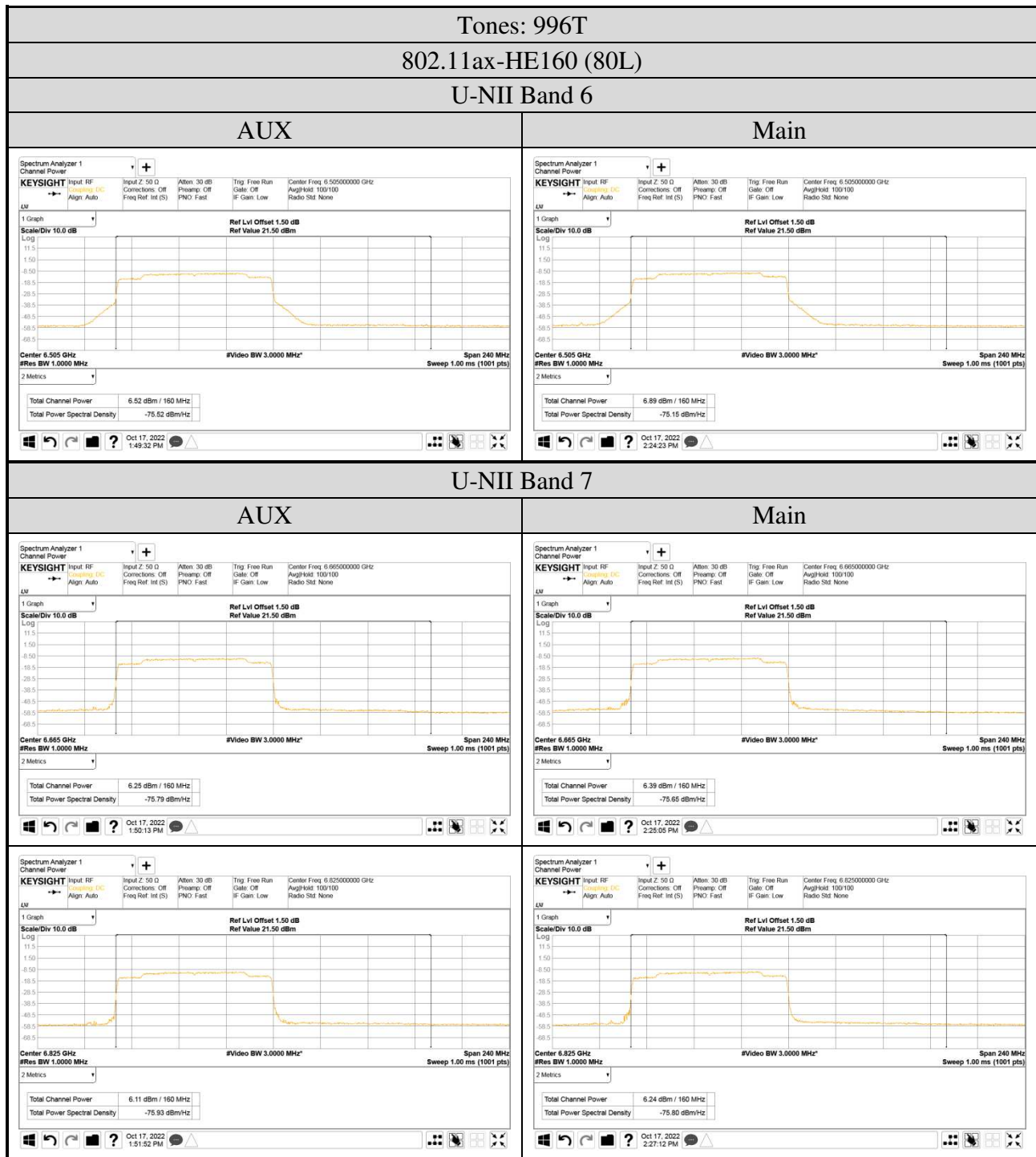
Audix Technology Corp.
 No. 491, Zhongfu Rd., Linkou Dist.,
 New Taipei City 244, Taiwan

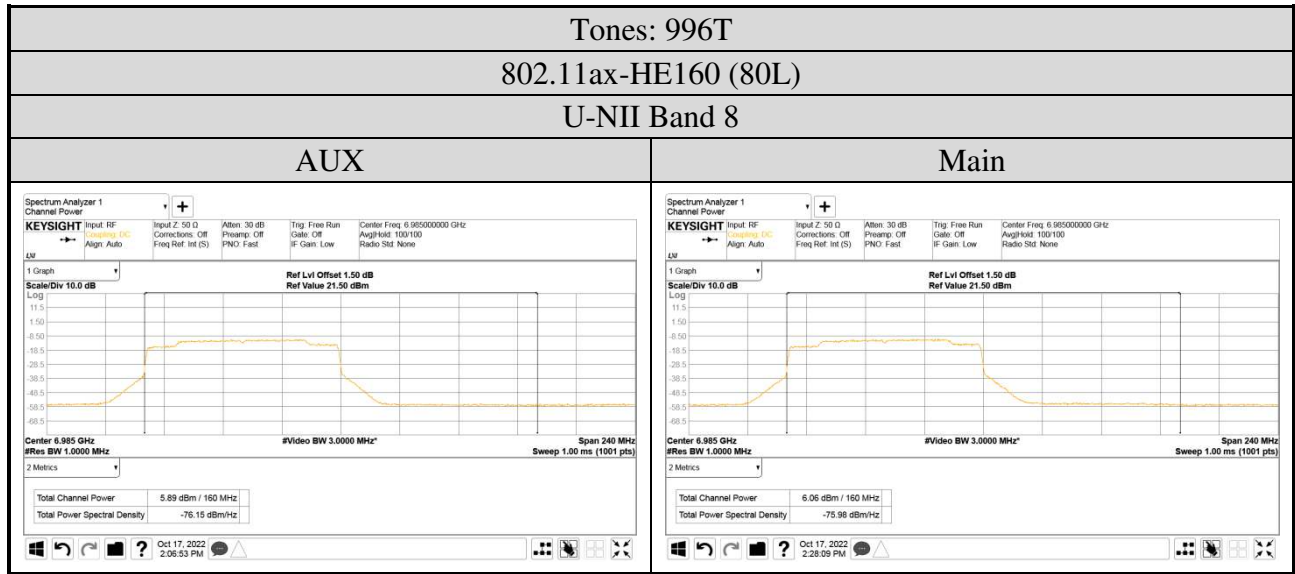
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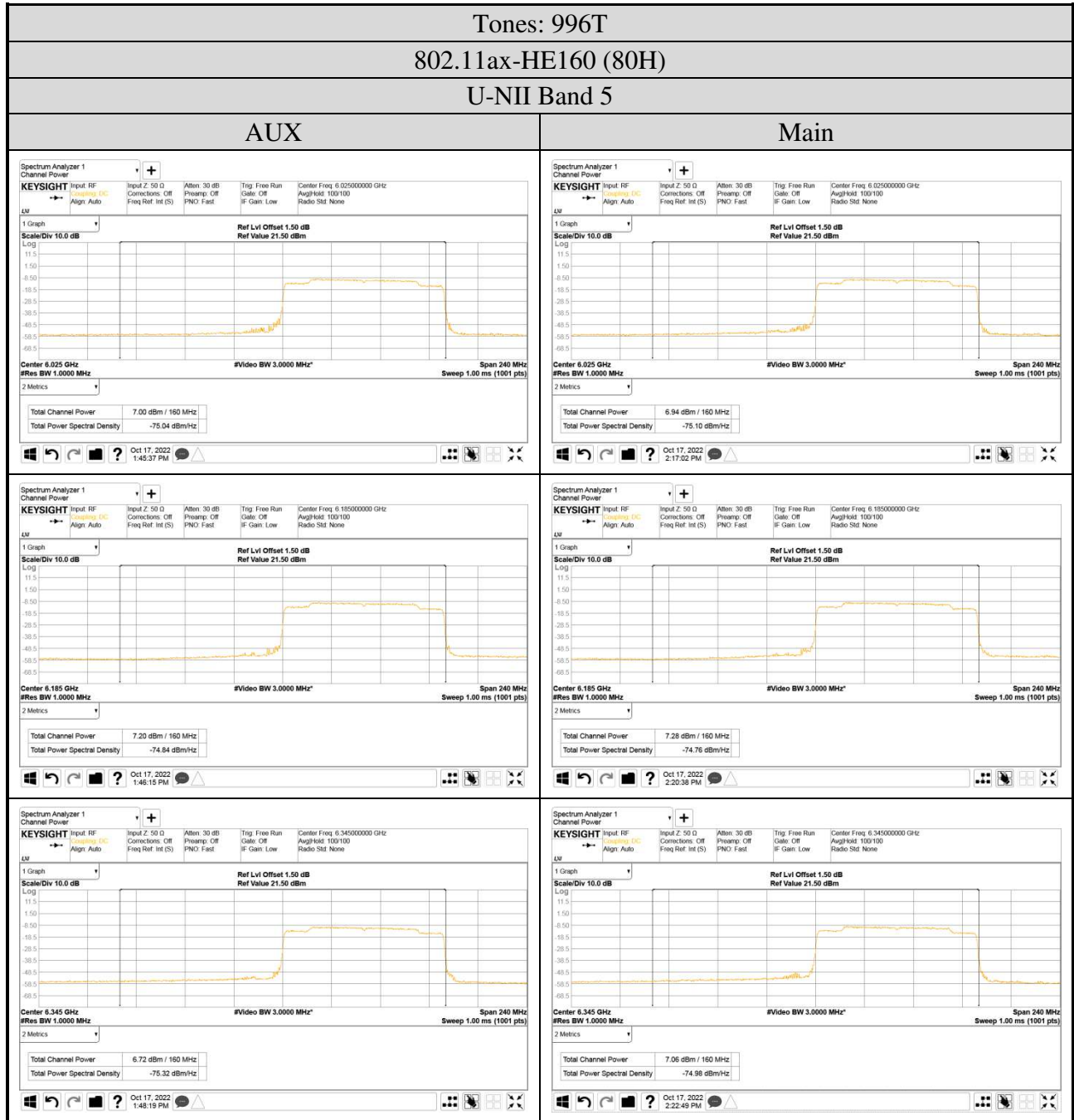


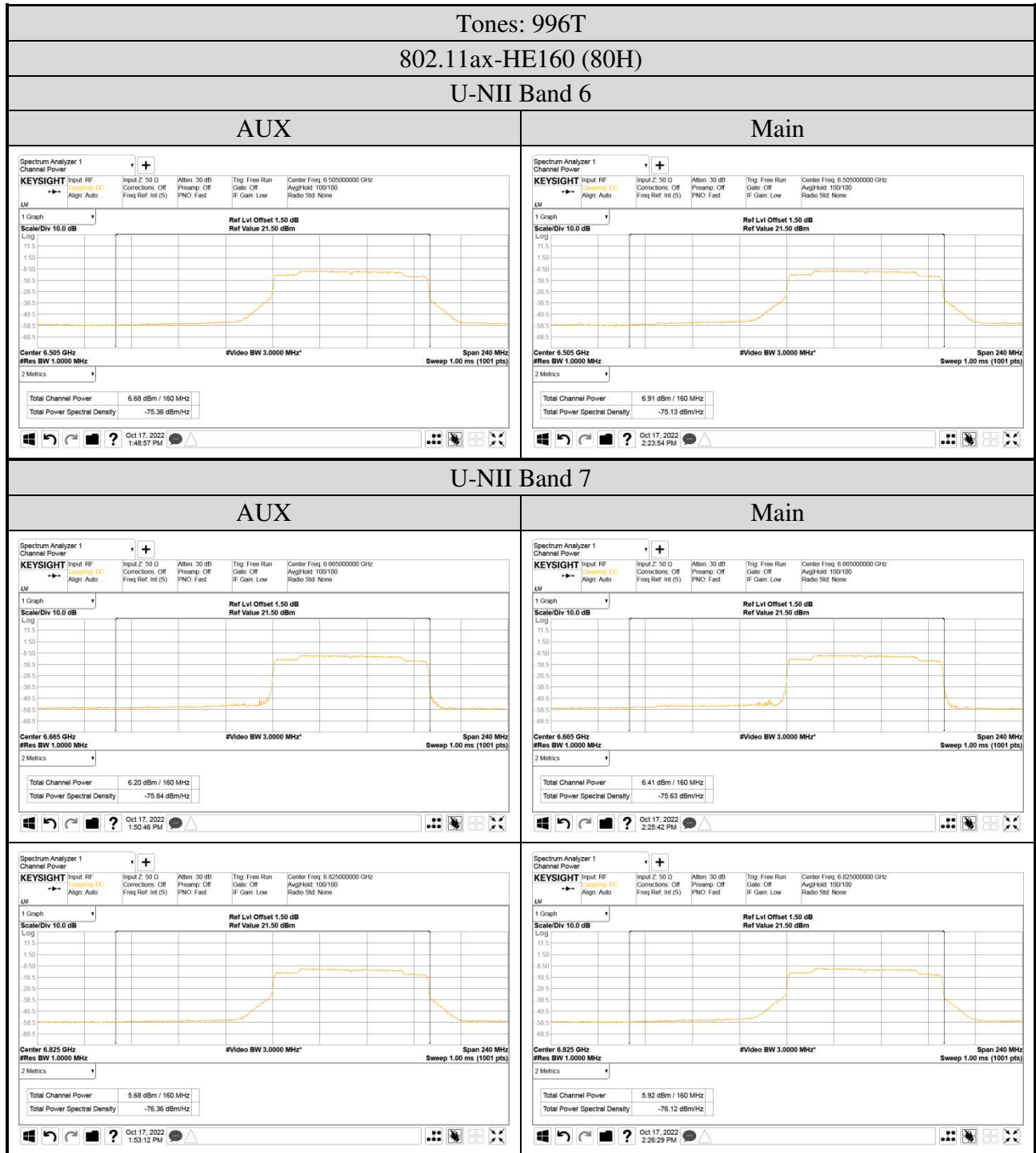


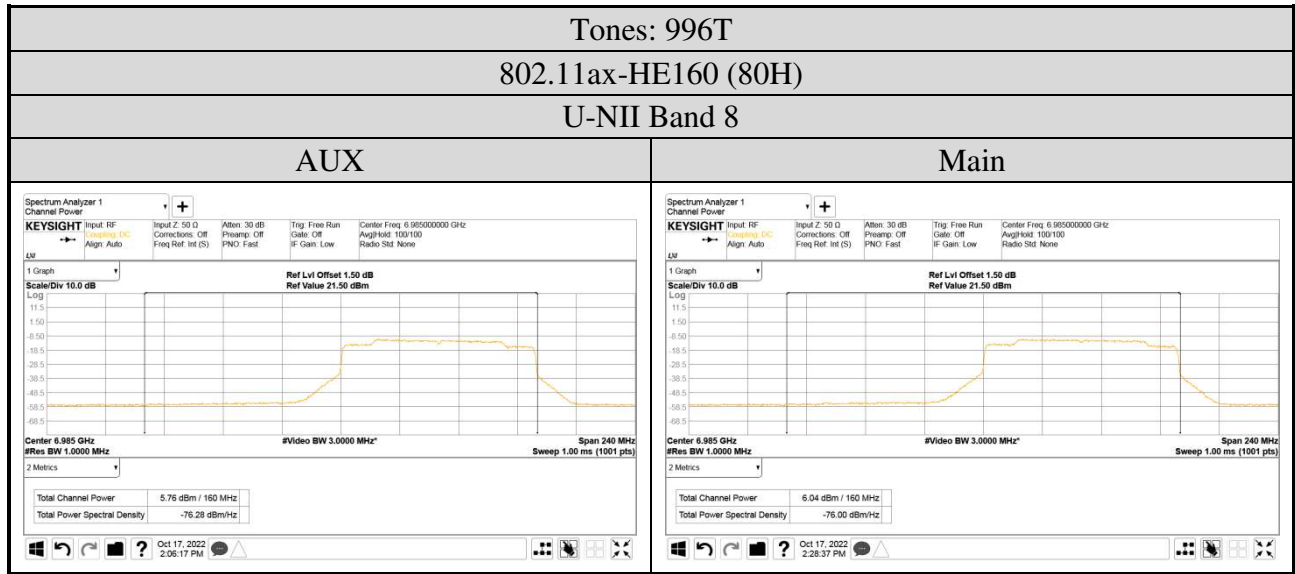












A.5 EMISSION/OCCUPIED BANDWIDTH

Test Date	2022/10/20	Temp./Hum.	22°C/72%
Cable Loss	1.5dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.5.1 Emission/Occupied Bandwidth Result

Mode	U-NII Band	Centre Frequency (MHz)	Bandwidth (MHz)				Limit
			AUX		Main		
			26dB	Occupied (99%)	26dB	Occupied (99%)	
802.11ax-HE20	5	5955	24.16	19.170	24.16	19.136	≤320MHz
		6175	24.45	19.078	24.97	19.127	
		6415	24.83	19.118	24.63	19.100	
	6	6435	23.97	19.098	25.17	19.149	
		6475	23.42	19.140	24.41	19.156	
		6515	24.29	19.149	23.90	19.059	
	7	6535	24.87	19.123	23.79	19.086	
		6695	24.00	19.099	23.72	19.044	
		6855	24.24	19.094	23.30	19.080	
	8	6875	23.70	19.102	24.01	19.041	
		6995	23.67	19.089	24.24	19.122	
		7115	24.29	19.094	24.09	19.057	
802.11ax-HE40	5	5965	42.82	37.877	43.83	37.821	≤320MHz
		6165	44.15	37.883	43.43	37.885	
		6405	43.58	37.818	43.70	37.844	
	6	6445	45.03	37.901	43.81	37.807	
		6485	45.45	37.875	44.70	37.875	
		6525	42.30	37.847	43.60	37.893	
	7	6685	44.61	37.850	43.44	37.853	
		6845	42.79	37.952	43.20	37.874	
		6885	43.07	37.902	43.22	37.803	
	8	7005	44.55	37.844	43.70	37.838	
		7085	44.79	37.892	44.72	37.913	
802.11ax-HE80	5	5985	81.33	76.569	82.37	76.656	≤320MHz
		6145	82.54	76.565	81.81	76.325	
		6385	82.52	76.673	81.41	76.606	
	6	6465	81.80	76.582	82.48	76.747	
		6545	82.34	76.555	81.72	76.485	
		6625	80.89	76.610	81.78	76.436	
	7	6705	83.58	76.621	82.43	76.643	
		6785	82.67	76.494	81.43	76.600	
		6865	81.67	76.541	82.52	76.701	
	8	6945	80.85	76.416	81.93	76.531	
		7025	80.86	76.510	82.85	76.636	
802.11ax-HE160	5	6025	163.5	154.68	163.0	154.67	≤320MHz
		6185	162.4	154.43	162.3	154.39	
		6345	162.5	154.51	163.2	154.31	
	6	6505	162.3	154.21	162.3	154.31	
		6665	163.5	154.66	153.1	154.62	
	7	6825	162.2	154.66	162.0	154.46	
		6985	162.6	154.46	161.1	154.82	

Note: All results have been included cable loss.

A.5.2 Measurement Plots

