

Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

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A.4 MAXIMUM CONDUCTED OUTPUT POWER

Test Date	2025/10/27~29	Temp./Hum.	22~23°C/58~64%
Cable Loss	1.5dB	Tested By	Sam ChangHarry Huang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.4.1 Conducted Output Power Result

● OFDM Modulation

Mode		Centre Frequency (MHz)	Average Output Power (dBm)		Duty Cycle Factor 10log(1/X)	Antenna Gain (dBi)		Total Average Output Power (EIRP)(dBm) ^{Note 2}	Limit
			Aux	Main		AUX	Main		
802.11a	U-NII Band 5	5955	8.50	7.84	0.899	0.13	1.18	9.92	(24dBm) (E.I.R.P.)
		6175	8.08	7.80		0.13	1.18	9.88	
		6415	8.03	7.76		0.13	1.18	9.84	
	U-NII Band 6	6435	6.89	8.54	0.899	2.84	-0.51	10.63	
		6475	6.82	8.43		2.84	-0.51	10.56	
		6515	7.02	8.32		2.84	-0.51	10.76	
	U-NII Band 7	6535	6.95	8.29	0.899	2.84	-0.51	10.69	
		6695	6.60	8.28		2.84	-0.51	10.34	
		6855	6.73	8.12		2.84	-0.51	10.47	
	U-NII Band 8	6875	7.70	7.85	0.899	0.47	0.91	9.66	
		6995	7.64	7.88		0.47	0.91	9.69	
		7115	7.58	7.84		0.47	0.91	9.65	

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) + Antenna Gain (dBi). + 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 10log(1/X)	Directional Gain (dBi) ^{Note 3}	Total Average Output Power (EIRP)(dBm) ^{Note 2}	Limit
			Aux	Main				
802.11ax-HE20	U-NII Band 5	5955	6.73	7.18	0.867	0.69	11.18	(24dBm) (E.I.R.P.)
		6175	6.69	7.16		0.69	11.15	
		6415	6.71	7.22		0.69	11.19	
	U-NII Band 6	6435	6.16	6.54	0.867	1.48	11.00	
		6475	6.19	6.66		1.48	11.07	
		6515	6.14	6.61		1.48	11.02	
	U-NII Band 7	6535	6.06	6.62	0.867	1.48	10.98	
		6695	6.41	6.37		1.48	11.07	
		6855	6.11	6.57		1.48	10.99	
	U-NII Band 8	6875	6.46	6.98	0.867	0.70	10.95	
		6995	6.53	6.84		0.70	10.92	
		7115	6.42	7.09		0.70	10.98	
802.11ax-HE40	U-NII Band 5	5965	8.51	8.18	0.742	0.69	12.48	(24dBm) (E.I.R.P.)
		6165	8.33	8.42		0.69	12.49	
		6405	8.12	7.96		0.69	12.16	
	U-NII Band 6	6445	7.43	7.51	0.742	1.48	12.02	
		6485	7.39	7.59		1.48	12.03	
		6525	7.46	7.31		1.48	11.96	
	U-NII Band 7	6685	7.12	7.49	0.742	1.48	11.84	
		6845	7.37	7.41		1.48	11.95	
		6885	7.83	8.53		0.70	12.29	
	U-NII Band 8	7005	8.12	8.57	0.742	0.70	12.45	
		7085	8.33	8.51		0.70	12.53	
802.11ax-HE80	U-NII Band 5	5985	8.57	9.12	1.337	0.69	13.54	(24dBm) (E.I.R.P.)
		6145	9.33	9.32		0.69	14.03	
		6385	9.15	9.16		0.69	13.86	
	U-NII Band 6	6465	9.46	9.49	1.337	1.48	14.62	
		6545	8.98	8.97		1.48	14.13	
		6625	9.42	8.89		1.48	14.36	
	U-NII Band 7	6705	8.96	8.95	1.337	1.48	14.11	
		6785	9.26	8.81		1.48	14.23	
		6865	8.85	9.36		0.70	13.80	
	U-NII Band 8	6945	9.16	8.69	1.337	0.70	13.66	
		7025	9.74	9.13		0.70	14.18	
802.11ax-HE160	U-NII Band 5	6025	11.98	11.48	0.357	0.69	15.48	(24dBm) (E.I.R.P.)
		6185	11.87	11.28		0.69	15.33	
		6345	11.88	11.32		0.69	15.36	
	U-NII Band 6	6505	11.87	11.66	0.357	1.48	15.95	
	U-NII Band 7	6665	11.99	11.50	0.357	1.48	15.96	
		6825	11.81	11.27		1.48	15.76	
	U-NII Band 8	6985	11.58	12.58	0.357	0.70	15.80	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. According to KDB 662911 D01 E1), 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) i), transmit signals are completely uncorrelated, then
Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi
5925~6425MHz: Directional gain = $10 \log[(10^{0.13/10} + 10^{1.18/10})/2] = 0.69$ dBi
6425~6525MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48$ dBi
6525~6825MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48$ dBi
6925~7125MHz: Directional gain = $10 \log[(10^{0.47/10} + 10^{0.91/10})/2] = 0.7$ 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).

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Mode		Centre Frequency (MHz)	Average Output Power (dBm)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 3}	Total Average Output Power (EIRP)(dBm) ^{Note 2}	Limit
			Aux	Main				
802.11be-EHT20	U-NII Band 5	5955	7.14	7.03	0.747	0.69	11.21	(24dBm) (E.I.R.P.)
		6175	6.58	7.22		0.69	11.00	
		6415	6.61	6.97		0.69	10.90	
	U-NII Band 6	6435	6.01	6.57	0.747	1.48	10.81	
		6475	6.24	6.19		1.48	10.78	
		6515	6.03	6.75		1.48	10.90	
	U-NII Band 7	6535	6.17	6.19	0.747	1.48	10.74	
		6695	6.15	6.28		1.48	10.76	
		6855	6.09	6.24		1.48	10.71	
	U-NII Band 8	6875	6.23	6.59	0.747	0.70	10.52	
		6995	6.24	6.78		0.70	10.62	
		7115	6.07	6.06		0.70	10.19	
802.11be-EHT40	U-NII Band 5	5965	8.28	8.34	0.625	0.69	12.30	(24dBm) (E.I.R.P.)
		6165	8.24	8.32		0.69	12.27	
		6405	8.59	8.28		0.69	12.45	
	U-NII Band 6	6445	7.49	7.60	0.625	1.48	11.98	
		6485	7.48	7.35		1.48	11.87	
		6525	7.52	7.79		1.48	12.07	
	U-NII Band 7	6685	7.15	7.52	0.625	1.48	11.75	
		6845	6.81	7.65		1.48	11.62	
		6885	8.13	8.51		0.70	12.31	
	U-NII Band 8	7005	8.65	8.37	0.625	0.70	12.52	
		7085	8.54	8.67		0.70	12.60	
802.11be-EHT80	U-NII Band 5	5985	8.67	8.63	1.198	0.69	13.22	(24dBm) (E.I.R.P.)
		6145	9.34	8.81		0.69	13.67	
		6385	8.68	8.73		0.69	13.27	
	U-NII Band 6	6465	9.49	9.03	1.198	1.48	14.32	
		6545	8.46	9.03		1.48	13.72	
		6625	8.92	8.95		1.48	13.94	
	U-NII Band 7	6705	8.90	9.01	1.198	1.48	13.96	
		6785	9.04	8.89		1.48	13.99	
		6865	8.98	8.81		0.70	13.48	
	U-NII Band 8	6945	9.32	8.81	1.198	0.70	13.67	
		7025	9.29	9.48		0.70	13.95	
802.11be-EHT160	U-NII Band 5	6025	11.05	11.07	0.301	0.69	14.73	(24dBm) (E.I.R.P.)
		6185	11.11	11.58		0.69	15.00	
		6345	11.15	11.14		0.69	14.82	
	U-NII Band 6	6505	11.85	11.42	0.301	1.48	15.79	
	U-NII Band 7	6665	11.26	11.22	0.301	1.48	15.36	
		6825	10.98	11.05		1.48	15.12	
	U-NII Band 8	6985	11.89	10.84	0.301	0.70	15.11	

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

2. According to KDB 662911 D01 E1), 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) i), transmit signals are completely uncorrelated, then

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

5925~6425MHz: Directional gain = $10 \log[(10^{0.13/10} + 10^{1.18/10})/2] = 0.69$ dBi

6425~6525MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48$ dBi

6525~6825MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48$ dBi

6925~7125MHz: Directional gain = $10 \log[(10^{0.47/10} + 10^{0.91/10})/2] = 0.7$ dBi

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● OFDMA Modulation

Tones: 26T

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 (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11ax-HE20	5	5955	26T	-5.31	-4.89	0.630	-5.33	-4.68	0.630	-5.35	-4.80	0.630	0.69	-0.66
		6175		-5.54	-4.80	0.630	-5.32	-4.86	0.630	-5.47	-4.84	0.630	0.69	-0.75
		6415		-4.85	-4.58	0.630	-4.81	-4.51	0.630	-4.87	-4.30	0.630	0.69	-0.25
	6	6435		-5.02	-4.12	0.630	-5.12	-4.22	0.630	-5.08	-4.36	0.630	1.48	0.57
		6475		-4.73	-4.35	0.630	-4.80	-4.24	0.630	-4.57	-4.38	0.630	1.48	0.65
		6515		-4.80	-4.59	0.630	-4.96	-4.50	0.630	-4.70	-4.75	0.630	1.48	0.43
	7	6535		-5.01	-4.65	0.630	-4.94	-4.56	0.630	-4.82	-4.62	0.630	1.48	0.40
		6695		-5.02	-4.41	0.630	-5.02	-4.30	0.630	-4.88	-4.34	0.630	1.48	0.52
		6855		-5.28	-4.06	0.630	-5.35	-4.26	0.630	-5.15	-4.04	0.630	1.48	0.56
	8	6875		-4.59	-4.04	0.630	-4.46	-4.15	0.630	-4.64	-4.13	0.630	0.7	0.04
		6995		-4.10	-4.22	0.630	-4.18	-4.12	0.630	-4.31	-4.18	0.630	0.7	0.19
		7115		-3.98	-4.30	0.630	-3.93	-4.21	0.630	-4.98	-3.72	0.630	0.7	0.27

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 (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11ax-HE20	5	5955	52T	-1.47	-0.89	0.630	-1.65	-1.19	0.630	-1.64	-1.10	0.630	0.69	3.16
		6175		-1.83	-1.18	0.630	-1.75	-1.22	0.630	-1.64	-1.17	0.630	0.69	2.93
		6415		-2.12	-1.92	0.630	-2.17	-2.01	0.630	-2.23	-2.16	0.630	0.69	2.31
	6	6435		-1.57	-1.05	0.630	-1.49	-1.18	0.630	-1.69	-1.20	0.630	1.48	3.82
		6475		-1.38	-1.14	0.630	-1.27	-1.23	0.630	-1.18	-1.18	0.630	1.48	3.94
		6515		-1.49	-0.87	0.630	-1.45	-0.86	0.630	-1.41	-0.86	0.630	1.48	3.99
	7	6535		-1.30	-1.00	0.630	-1.44	-0.99	0.630	-1.37	-0.92	0.630	1.48	3.98
		6695		-1.45	-0.90	0.630	-1.51	-1.00	0.630	-1.61	-0.89	0.630	1.48	3.95
		6855		-1.52	-0.79	0.630	-1.63	-0.81	0.630	-1.49	-1.01	0.630	1.48	3.98
	8	6875		-1.52	-1.17	0.630	-1.50	-1.21	0.630	-1.54	-1.14	0.630	0.7	3.00
		6995		-1.12	-1.27	0.630	-1.06	-1.30	0.630	-1.03	-1.17	0.630	0.7	3.24
		7115		-0.98	-1.20	0.630	-1.00	-1.25	0.630	-2.11	-0.26	0.630	0.7	3.25

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 (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11ax-HE20	5	5955	106T	1.37	1.82	0.665	1.46	1.67	0.665	0.69	5.97
		6175		1.43	1.62	0.665	1.14	1.80	0.665	0.69	5.89
		6415		1.27	1.48	0.665	1.18	1.31	0.665	0.69	5.74
	6	6435		1.10	1.49	0.665	0.97	1.43	0.665	1.48	6.45
		6475		0.98	1.67	0.665	1.48	1.63	0.665	1.48	6.71
		6515		1.41	1.70	0.665	1.26	1.86	0.665	1.48	6.73
	7	6535		1.25	1.74	0.665	1.17	1.64	0.665	1.48	6.66
		6695		1.38	1.73	0.665	1.18	1.94	0.665	1.48	6.73
		6855		1.18	1.92	0.665	0.92	1.99	0.665	1.48	6.72
	8	6875		0.92	2.07	0.665	1.01	1.48	0.665	0.7	5.91
		6995		1.11	1.47	0.665	1.49	1.39	0.665	0.7	5.82
		7115		1.63	1.54	0.665	1.29	1.79	0.665	0.7	5.96

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

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

5925~6425MHz: Directional gain = $10 \log[(10^{1.13/10} + 10^{1.18/10})/2] = 0.69$ dBi

6425~6525MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48$ dBi

6525~6825MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48$ dBi

6925~7125MHz: Directional gain = $10 \log[(10^{0.47/10} + 10^{0.91/10})/2] = 0.7$ 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 (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

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Tones: 26T

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 (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11be-EHT20	5	5955	26T	-5.22	-4.64	0.620	-5.22	-4.56	0.620	-5.21	-4.71	0.620	0.69	-0.56
		6175		-5.39	-4.72	0.620	-5.31	-4.74	0.620	-5.35	-4.82	0.620	0.69	-0.70
		6415		-4.82	-4.47	0.620	-4.79	-4.49	0.620	-4.79	-4.26	0.620	0.69	-0.20
	6	6435		-4.92	-4.02	0.620	-5.01	-4.09	0.620	-5.02	-4.23	0.620	1.48	0.66
		6475		-4.63	-4.25	0.620	-4.71	-4.13	0.620	-4.51	-4.35	0.620	1.48	0.70
		6515		-4.79	-4.52	0.620	-4.82	-4.42	0.620	-4.62	-4.60	0.620	1.48	0.50
	7	6535		-4.86	-4.57	0.620	-4.82	-4.47	0.620	-4.77	-4.59	0.620	1.48	0.47
		6695		-4.93	-4.34	0.620	-4.90	-4.29	0.620	-4.83	-4.21	0.620	1.48	0.60
		6855		-5.16	-3.98	0.620	-5.21	-4.11	0.620	-5.08	-4.02	0.620	1.48	0.59
	8	6875		-4.48	-4.03	0.620	-4.39	-4.08	0.620	-4.52	-4.11	0.620	0.7	0.10
		6995		-4.06	-4.11	0.620	-4.16	-4.04	0.620	-4.16	-4.15	0.620	0.7	0.25
		7115		-3.86	-4.13	0.620	-3.77	-4.08	0.620	-3.69	-4.11	0.620	0.7	0.44

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 (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11be-EHT20	5	5955	52T	-1.62	-1.10	0.630	-1.63	-1.10	0.630	-1.51	-1.01	0.630	0.69	3.08
		6175		-1.77	-1.05	0.630	-1.69	-1.09	0.630	-1.62	-1.12	0.630	0.69	2.97
		6415		-2.08	-1.83	0.630	-2.02	-1.95	0.630	-2.11	-2.01	0.630	0.69	2.38
	6	6435		-1.54	-0.93	0.630	-1.47	-1.03	0.630	-1.56	-1.13	0.630	1.48	3.90
		6475		-1.26	-1.05	0.630	-1.18	-1.08	0.630	-1.07	-1.15	0.630	1.48	4.01
		6515		-1.36	-0.65	0.630	-1.42	-0.69	0.630	-1.36	-0.73	0.630	1.48	4.13
	7	6535		-1.27	-0.85	0.630	-1.33	-0.89	0.630	-1.34	-0.79	0.630	1.48	4.07
		6695		-1.39	-0.88	0.630	-1.41	-0.91	0.630	-1.54	-0.82	0.630	1.48	3.99
		6855		-1.45	-0.68	0.630	-1.50	-0.76	0.630	-1.39	-0.86	0.630	1.48	4.07
	8	6875		-1.41	-1.11	0.630	-1.47	-1.13	0.630	-1.39	-1.03	0.630	0.7	3.13
		6995		-1.07	-1.25	0.630	-0.99	-1.27	0.630	-0.94	-1.05	0.630	0.7	3.35
		7115		-0.86	-1.05	0.630	-0.88	-1.05	0.630	-0.89	-0.98	0.630	0.7	3.41

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 (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11be-EHT20	5	5955	106T	1.46	1.70	0.670	1.49	1.78	0.670	0.69	6.01
		6175		1.34	1.58	0.670	1.24	1.91	0.670	0.69	5.96
		6415		1.22	1.62	0.670	1.23	1.46	0.670	0.69	5.79
	6	6435		1.08	1.77	0.670	1.08	1.57	0.670	1.48	6.60
		6475		1.56	1.87	0.670	1.58	1.83	0.670	1.48	6.88
		6515		1.32	1.78	0.670	1.38	1.89	0.670	1.48	6.80
	7	6535		1.59	1.78	0.670	1.21	1.73	0.670	1.48	6.85
		6695		1.33	2.05	0.670	1.19	2.05	0.670	1.48	6.87
		6855		1.02	2.08	0.670	0.96	2.06	0.670	1.48	6.74
	8	6875		1.17	1.48	0.670	1.09	1.49	0.670	0.7	5.71
		6995		1.71	1.63	0.670	1.64	1.46	0.670	0.7	6.05
		7115		1.72	1.61	0.670	1.57	1.64	0.670	0.7	6.05

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

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

5925~6425MHz: Directional gain = $10 \log[(10^{1.13/10} + 10^{1.18/10})/2] = 0.69$ dBi

6425~6525MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48$ dBi

6525~6825MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48$ dBi

6925~7125MHz: Directional gain = $10 \log[(10^{0.47/10} + 10^{0.91/10})/2] = 0.7$ 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 (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

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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 70			RU Index 71			RU Index 72				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11be-EHT20	5	5955	26T + 52T	-0.34	-0.23	0.496	-0.42	-0.09	0.496	-0.09	-0.18	0.496	0.69	4.06
		6175		-1.04	-0.44	0.496	-1.17	-0.46	0.496	-1.11	-0.56	0.496	0.69	3.47
		6415		-0.61	-0.47	0.496	-0.68	-0.43	0.496	-0.66	-0.48	0.496	0.69	3.66
	6	6435		-0.88	-0.32	0.496	-0.88	-0.27	0.496	-0.93	-0.11	0.496	1.48	4.49
		6475		-0.38	-0.12	0.496	-0.32	-0.22	0.496	-0.49	-0.13	0.496	1.48	4.74
		6515		-0.67	-0.07	0.496	-0.39	-0.04	0.496	-0.61	0.02	0.496	1.48	4.77
	7	6535		-0.59	-0.07	0.496	-0.61	-0.11	0.496	-0.52	-0.22	0.496	1.48	4.66
		6695		-0.52	-0.15	0.496	-0.53	-0.07	0.496	-0.64	-0.02	0.496	1.48	4.69
		6855		-1.02	0.27	0.496	-0.82	0.12	0.496	-0.93	0.27	0.496	1.48	4.70
	8	6875		-1.10	-0.43	0.496	-0.86	-0.92	0.496	-1.07	-0.52	0.496	0.7	3.45
		6995		-0.38	-0.10	0.496	-0.30	-0.52	0.496	-0.37	-0.59	0.496	0.7	3.97
		7115		-0.26	-0.63	0.496	-0.23	-0.31	0.496	-0.22	-0.32	0.496	0.7	3.94

Tones: 26T+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 82			RU Index 83				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11be-EHT20	5	5955	26T + 106T	0.83	0.56	0.443	0.31	0.75	0.443	0.69	4.84
		6175		0.47	1.18	0.443	0.43	1.21	0.443	0.69	4.98
		6415		0.43	0.82	0.443	0.41	0.73	0.443	0.69	4.77
	6	6435		0.28	1.08	0.443	0.31	0.93	0.443	1.48	5.63
		6475		0.29	1.13	0.443	0.82	1.09	0.443	1.48	5.89
		6515		0.25	1.16	0.443	0.65	1.12	0.443	1.48	5.82
	7	6535		0.27	1.17	0.443	0.57	1.03	0.443	1.48	5.74
		6695		0.32	1.15	0.443	0.38	1.27	0.443	1.48	5.78
		6855		0.25	1.47	0.443	0.21	1.32	0.443	1.48	5.84
	8	6875		0.16	0.74	0.443	0.11	0.71	0.443	0.7	4.61
		6995		0.66	0.74	0.443	0.76	0.64	0.443	0.7	4.85
		7115		0.78	0.83	0.443	0.82	0.78	0.443	0.7	4.96

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

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

5925~6425MHz: Directional gain = $10 \log[(10^{0.13/10} + 10^{1.18/10})/2] = 0.69$ dBi

6425~6525MHz: Directional gain = $10 \log[(10^{0.84/10} + 10^{0.51/10})/2] = 1.48$ dBi

6525~6825MHz: Directional gain = $10 \log[(10^{0.84/10} + 10^{0.51/10})/2] = 1.48$ dBi

6925~7125MHz: Directional gain = $10 \log[(10^{0.47/10} + 10^{0.91/10})/2] = 0.7$ 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 (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

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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 90			RU Index 91				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11be-EHT80	5	5985	484T + 242T	6.21	6.94	0.926	6.25	6.84	0.926	0.69	11.22
		6145		5.88	6.85	0.926	5.88	6.38	0.926	0.69	11.02
		6385		6.28	6.37	0.926	5.74	6.26	0.926	0.69	10.95
	6	6465		6.42	6.76	0.926	6.34	6.89	0.926	1.48	12.04
		6545		6.66	6.92	0.926	6.47	7.14	0.926	1.48	12.23
		6625		6.58	7.11	0.926	6.59	7.04	0.926	1.48	12.27
	7	6705		6.57	7.03	0.926	6.63	7.11	0.926	1.48	12.29
		6785		6.39	6.95	0.926	6.39	6.91	0.926	1.48	12.10
		6865		6.11	7.56	0.926	6.32	7.41	0.926	0.7	11.54
	8	6945		6.46	7.01	0.926	6.56	6.59	0.926	0.7	11.38
		7025		6.71	7.30	0.926	6.74	7.27	0.926	0.7	11.65

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 92			RU Index 93				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11be-EHT80	5	5985	484T + 242T	6.50	6.52	0.926	6.23	6.87	0.926	0.69	11.19
		6145		6.20	6.73	0.926	5.88	6.82	0.926	0.69	11.10
		6385		5.64	6.96	0.926	6.08	6.53	0.926	0.69	10.98
	6	6465		6.73	6.66	0.926	6.16	6.99	0.926	1.48	12.11
		6545		6.76	6.85	0.926	6.75	6.70	0.926	1.48	12.22
		6625		6.49	6.89	0.926	6.54	6.55	0.926	1.48	12.11
	7	6705		6.34	7.08	0.926	6.10	7.17	0.926	1.48	12.14
		6785		6.33	6.82	0.926	6.44	6.91	0.926	1.48	12.10
		6865		6.13	7.62	0.926	6.31	7.30	0.926	0.7	11.57
	8	6945		6.57	6.67	0.926	6.50	6.65	0.926	0.7	11.26
		7025		6.86	7.33	0.926	6.86	7.29	0.926	0.7	11.74

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

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

5925~6425MHz: Directional gain = $10 \log[(10^{0.13/10} + 10^{1.18/10})/2] = 0.69\text{dBi}$

6425~6525MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48\text{dBi}$

6525~6825MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48\text{dBi}$

6925~7125MHz: Directional gain = $10 \log[(10^{0.47/10} + 10^{0.91/10})/2] = 0.7\text{dBi}$

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

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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 94			RU Index 95				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11be-EHT160	5	6025	996T + 484T	9.23	9.80	0.395	9.71	9.73	0.395	0.69	13.82
		6185		9.00	9.54	0.395	8.93	9.46	0.395	0.69	13.37
		6345		9.45	9.49	0.395	9.16	9.57	0.395	0.69	13.57
	6	6505		9.77	10.2	0.395	9.75	9.91	0.395	1.48	14.88
		6665		9.11	9.99	0.395	8.94	10.00	0.395	1.48	14.46
	7	6825		8.47	9.99	0.395	8.47	9.51	0.395	1.48	14.18
		8		6985	10.23	9.33	0.395	9.88	9.33	0.395	0.7

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 S94			RU Index S95				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11be-EHT160	5	6025	996T + 484T	9.35	10.00	0.395	9.29	9.89	0.395	0.69	13.78
		6185		9.08	9.63	0.395	8.51	9.71	0.395	0.69	13.46
		6345		9.58	9.59	0.395	9.20	9.31	0.395	0.69	13.68
	6	6505		9.61	10.11	0.395	10.00	10.17	0.395	1.48	14.97
		6665		8.90	10.21	0.395	8.95	10.1	0.395	1.48	14.49
	7	6825		8.89	9.77	0.395	8.41	9.91	0.395	1.48	14.24
		8		6985	10.07	9.6	0.395	10.05	9.11	0.395	0.7

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

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

5925~6425MHz: Directional gain = $10 \log[(10^{0.13/10} + 10^{1.18/10})/2] = 0.69$ dBi

6425~6525MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48$ dBi

6525~6825MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48$ dBi

6925~7125MHz: Directional gain = $10 \log[(10^{0.47/10} + 10^{0.91/10})/2] = 0.7$ 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 (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

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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 96			RU Index 97			RU Index 98			RU Index 99				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11be-EHT160	5	6025	996T + 484T + 242T	9.76	9.79	0.487	9.68	9.77	0.487	9.19	9.80	0.487	9.44	9.99	0.487	0.69	13.96
		6185		9.46	10.1	0.487	9.46	10.51	0.487	9.46	10.03	0.487	9.54	10.02	0.487	0.69	14.20
		6345		9.69	9.68	0.487	9.04	9.52	0.487	9.51	9.50	0.487	9.64	9.62	0.487	0.69	13.87
	6	6505		10.6	10.57	0.487	10.21	10.73	0.487	10.21	10.77	0.487	10.23	10.81	0.487	1.48	15.56
		6665		9.62	10.83	0.487	9.51	10.46	0.487	9.45	10.53	0.487	9.51	10.46	0.487	1.48	15.24
	7	6825		8.82	10.4	0.487	8.95	10.54	0.487	9.02	10.58	0.487	8.94	10.52	0.487	1.48	14.85
		6985		10.73	9.78	0.487	10.7	9.72	0.487	10.36	9.86	0.487	10.77	9.73	0.487	0.7	14.48

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 S96			RU Index S97			RU Index S98			RU Index S99				
				AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3	AUX	Main	Duty Cycle Factor (dB) 10log(1/X) Note 3		
802.11be-EHT160	5	6025	996T + 484T + 242T	9.66	9.84	0.487	9.54	9.56	0.487	9.39	9.96	0.487	9.31	9.85	0.487	0.69	13.94
		6185		9.38	10.37	0.487	9.36	10.37	0.487	9.2	10.35	0.487	9.15	10.21	0.487	0.69	14.09
		6345		9.71	9.74	0.487	9.07	9.73	0.487	9.74	9.09	0.487	9.05	9.64	0.487	0.69	13.91
	6	6505		10.31	10.81	0.487	10.85	10.37	0.487	10.72	10.78	0.487	10.78	10.78	0.487	1.48	15.73
		6665		9.36	10.48	0.487	9.59	10.65	0.487	9.14	10.66	0.487	9.65	10.65	0.487	1.48	15.13
	7	6825		9.02	10.6	0.487	8.94	10.49	0.487	8.82	10.47	0.487	8.98	10.32	0.487	1.48	14.86
		6985		10.62	10.17	0.487	10.88	9.65	0.487	10.2	10.21	0.487	10.4	9.78	0.487	0.7	14.60

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

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

5925~6425MHz: Directional gain = $10 \log[(10^{0.13/10} + 10^{1.18/10})/2] = 0.69\text{dBi}$

6425~6525MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48\text{dBi}$

6525~6825MHz: Directional gain = $10 \log[(10^{2.84/10} + 10^{0.51/10})/2] = 1.48\text{dBi}$

6925~7125MHz: Directional gain = $10 \log[(10^{0.47/10} + 10^{0.91/10})/2] = 0.7\text{dBi}$

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

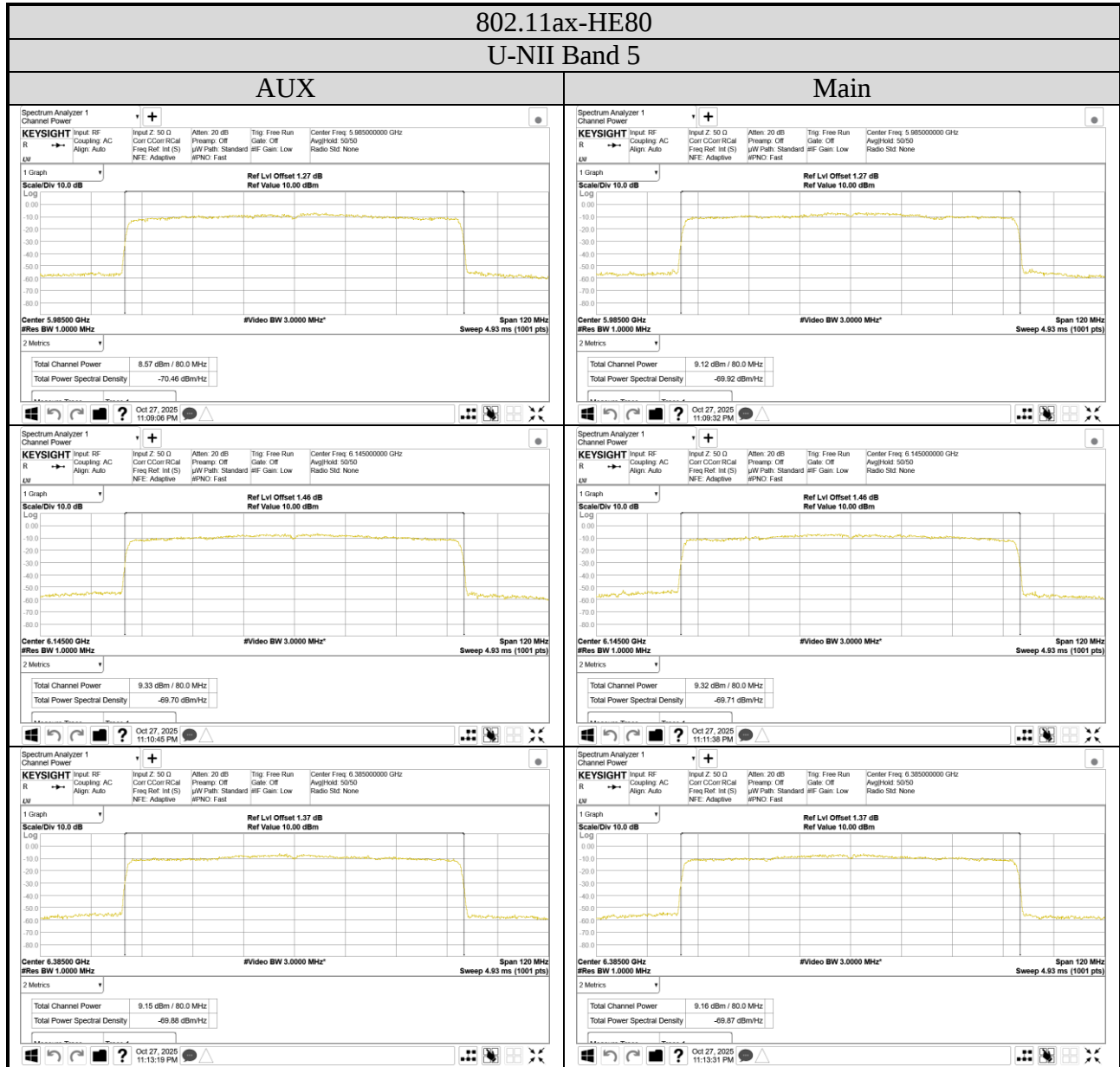
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).

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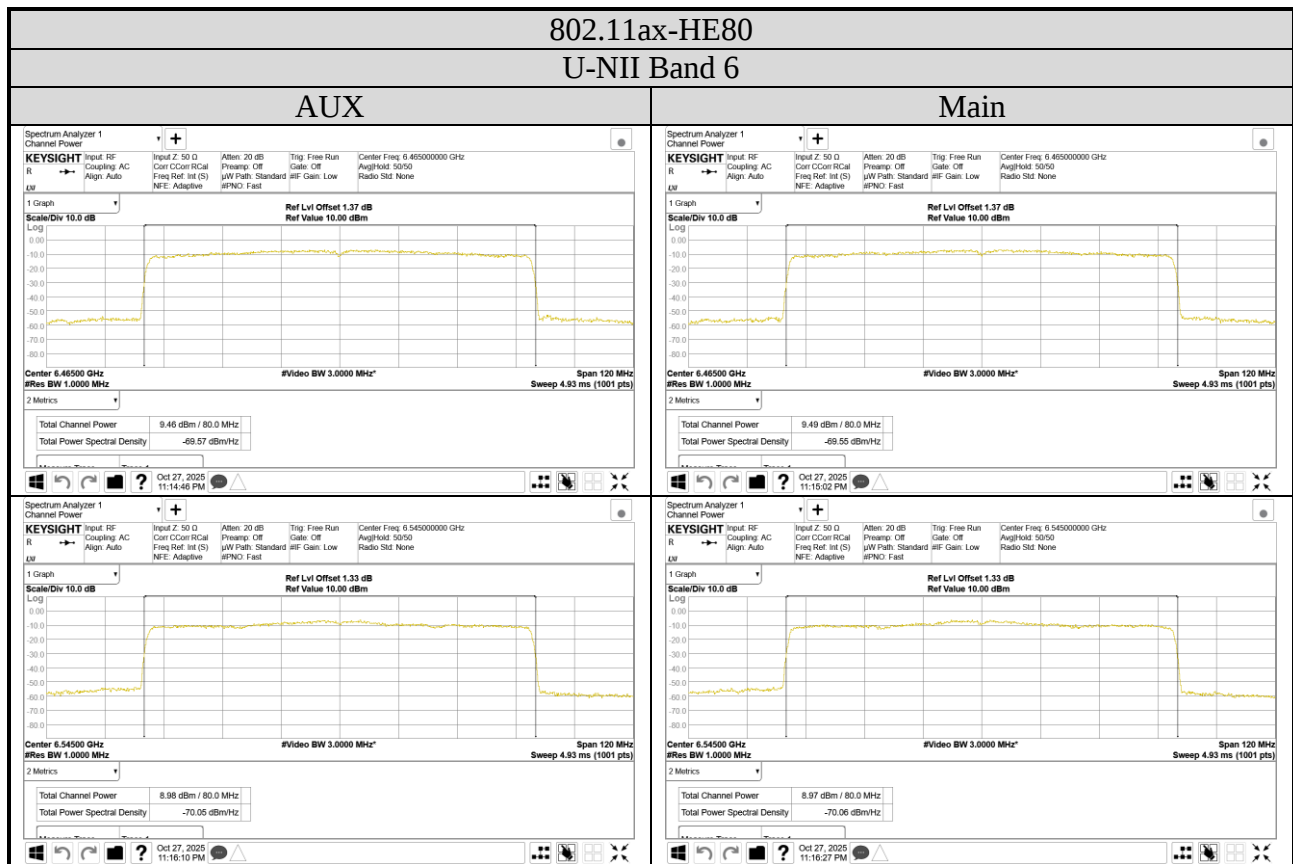
A.4.2 Measurement Plots

● OFDM Modulation



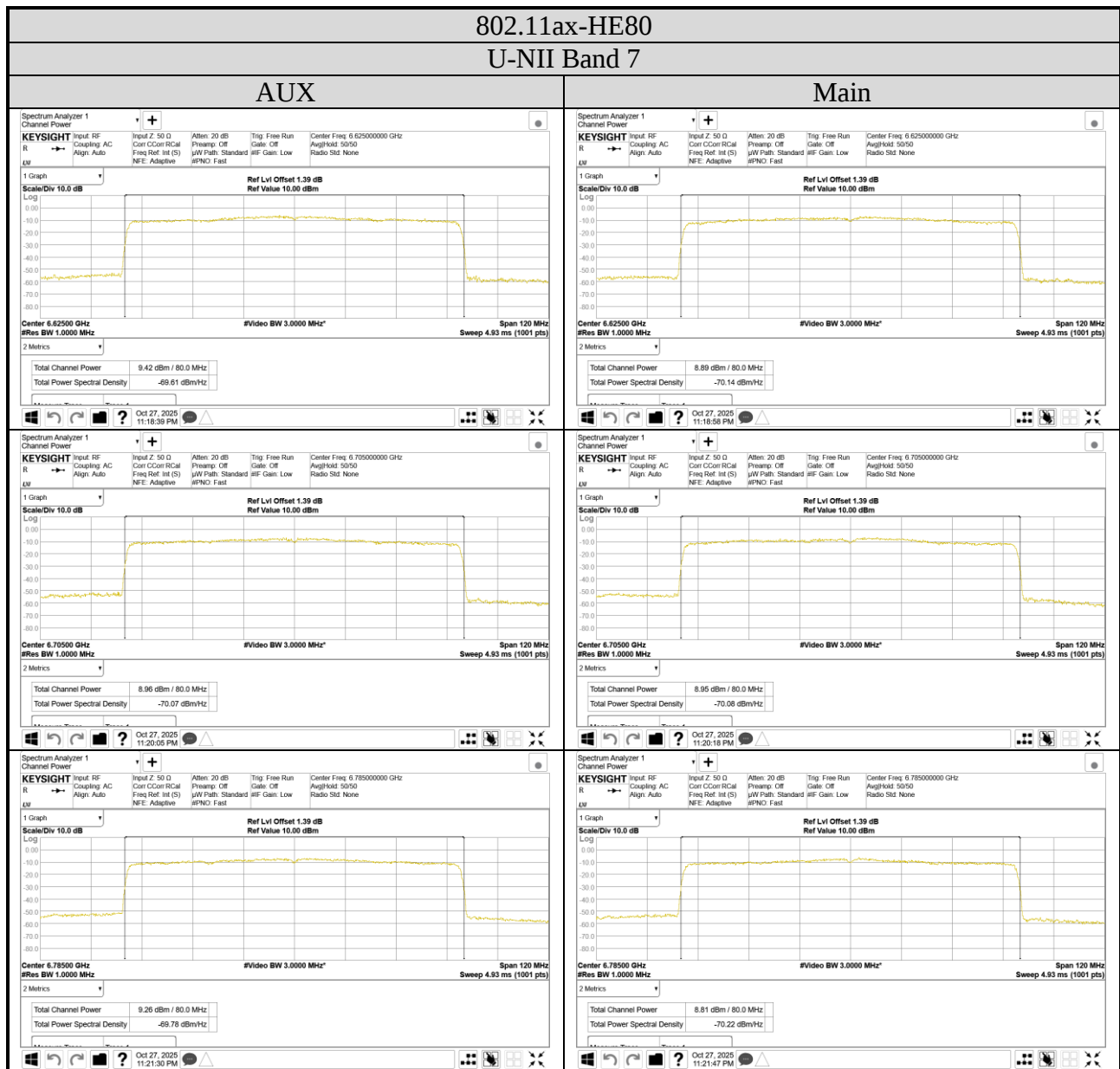
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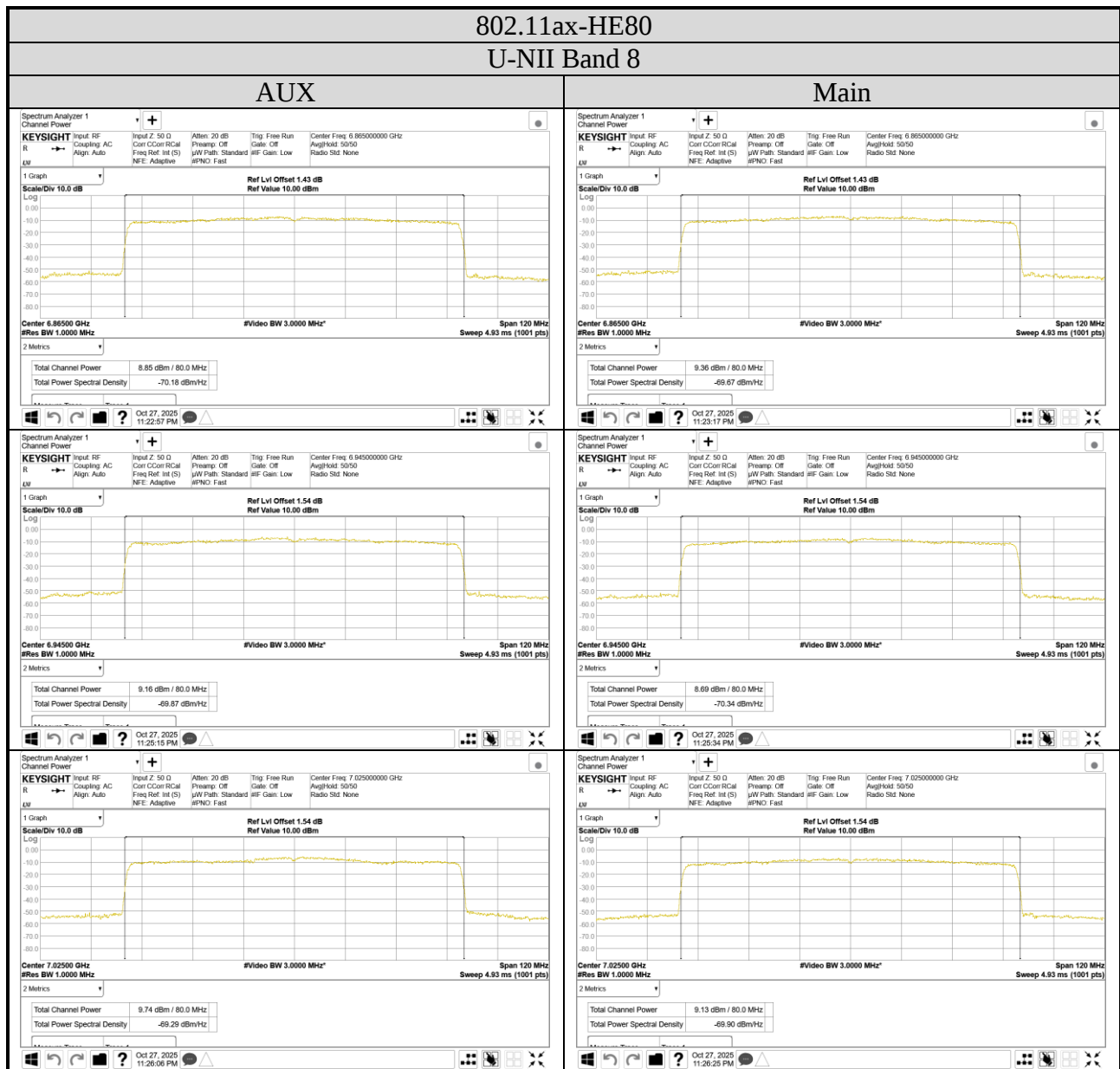
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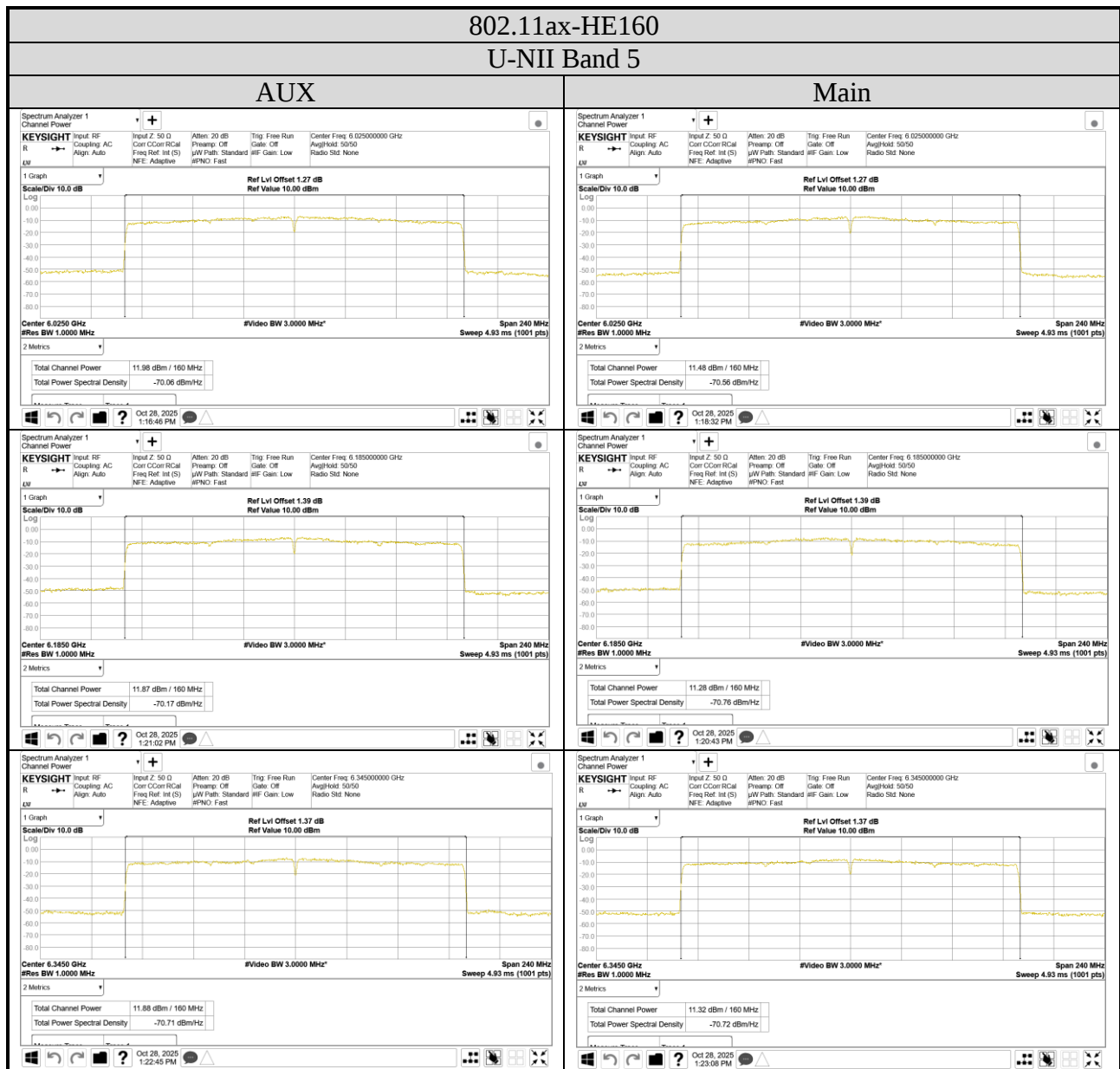
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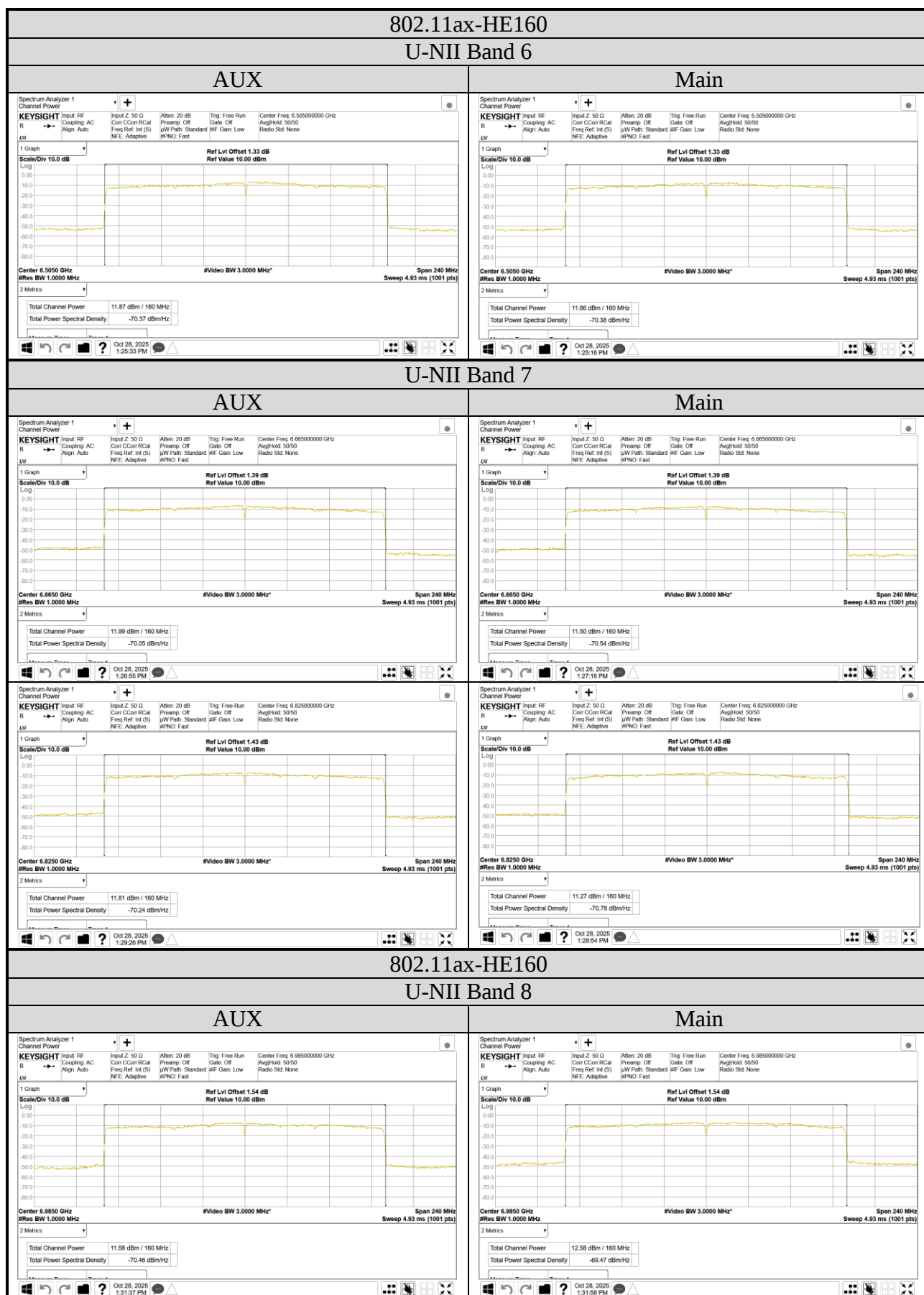
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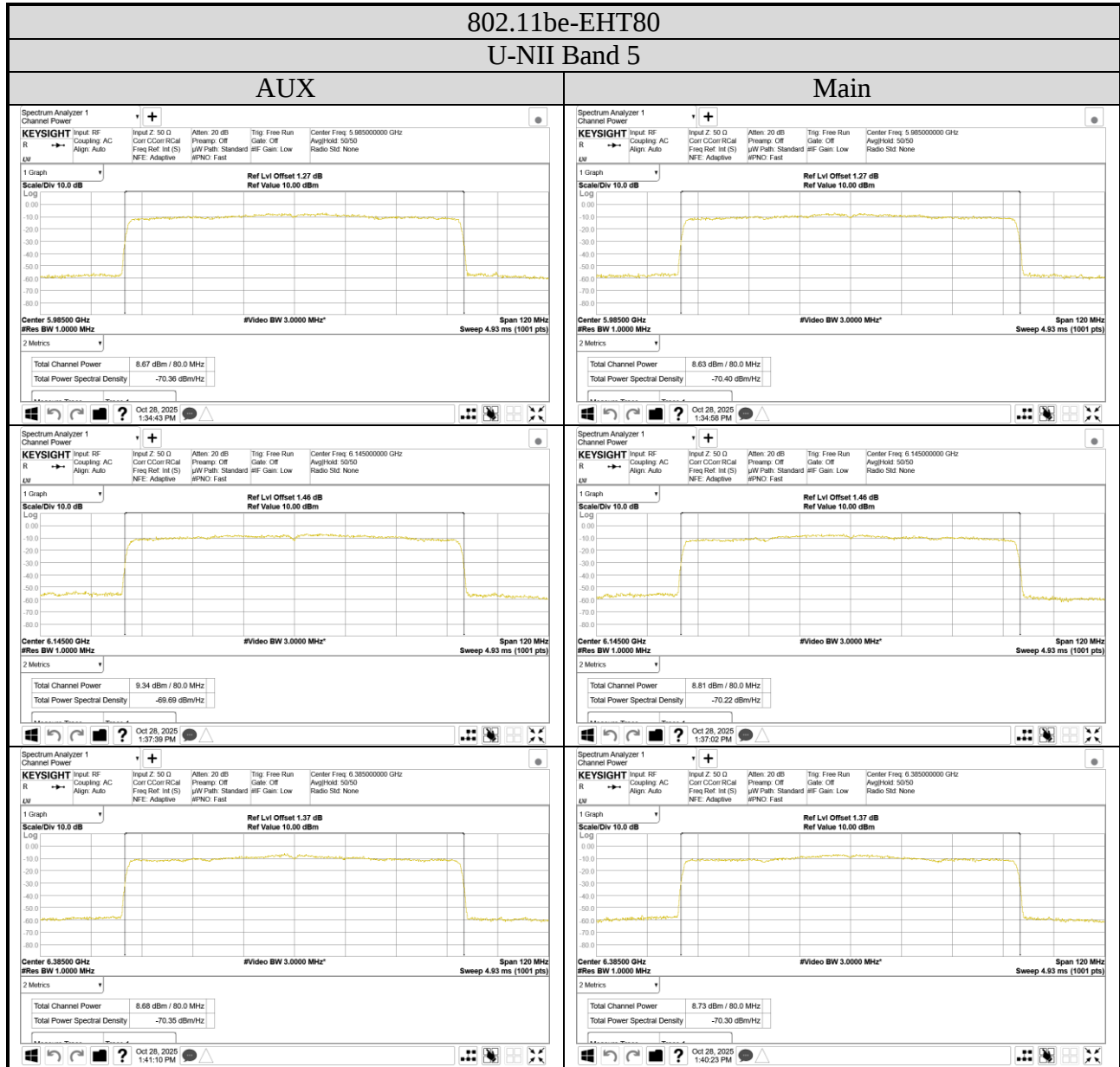
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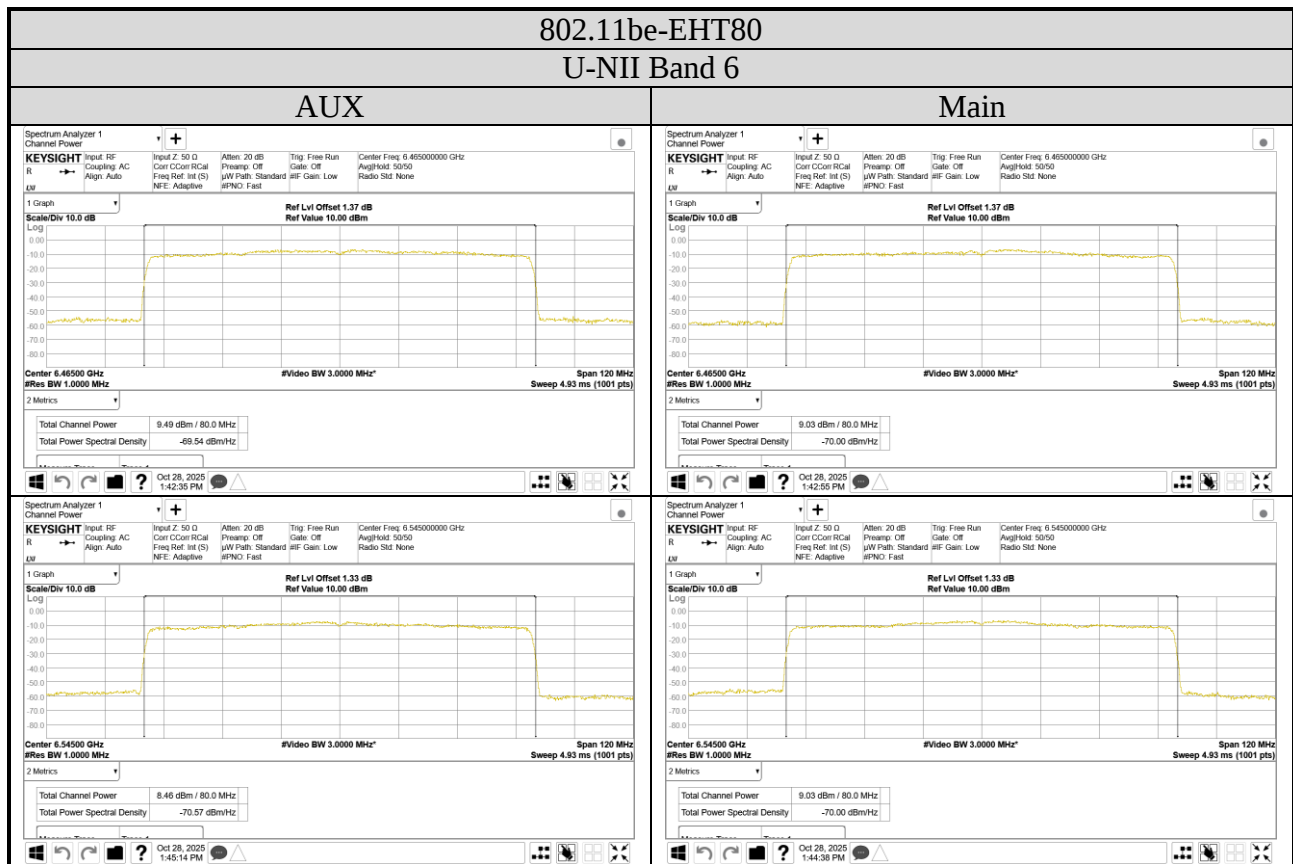
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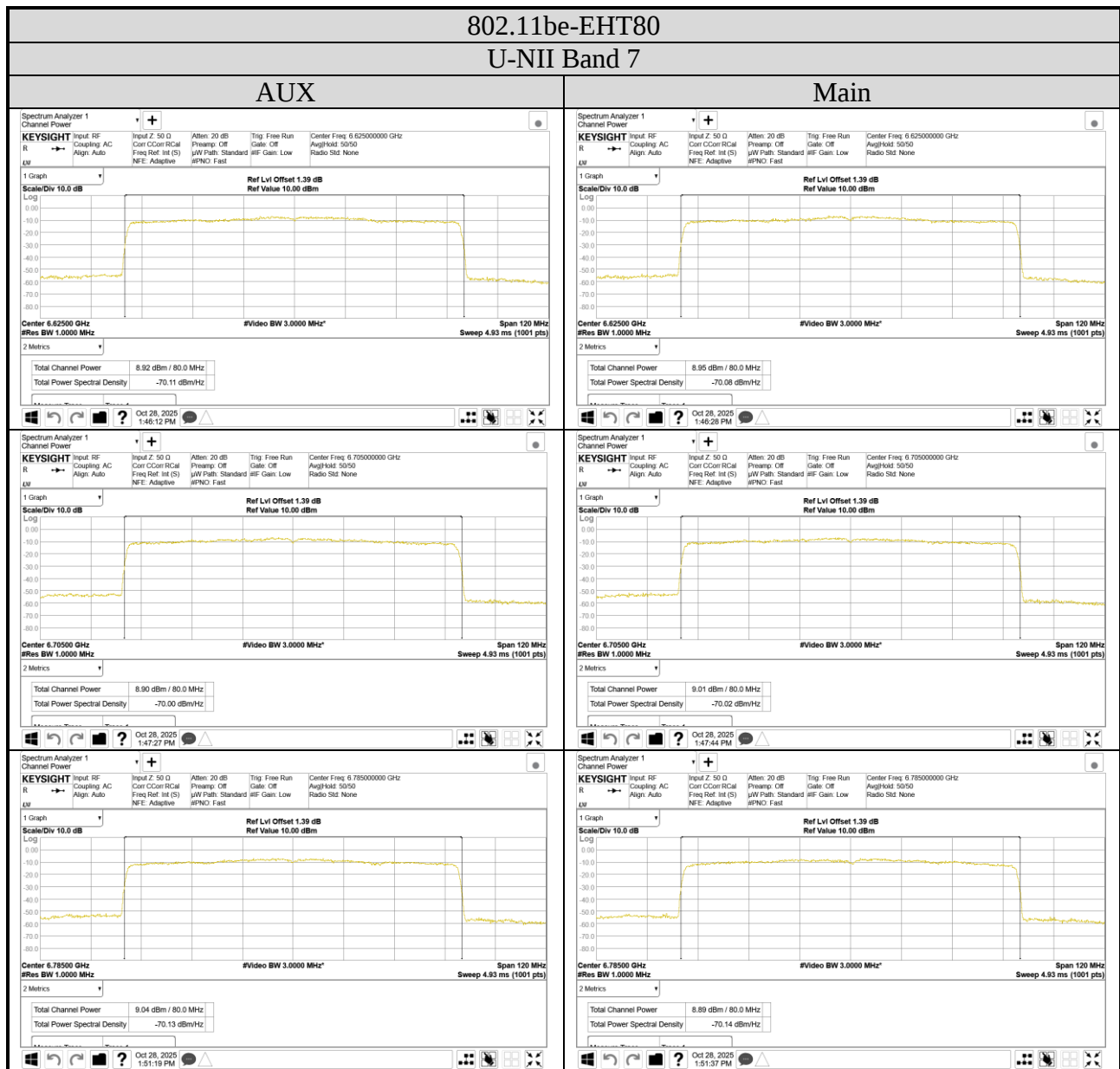
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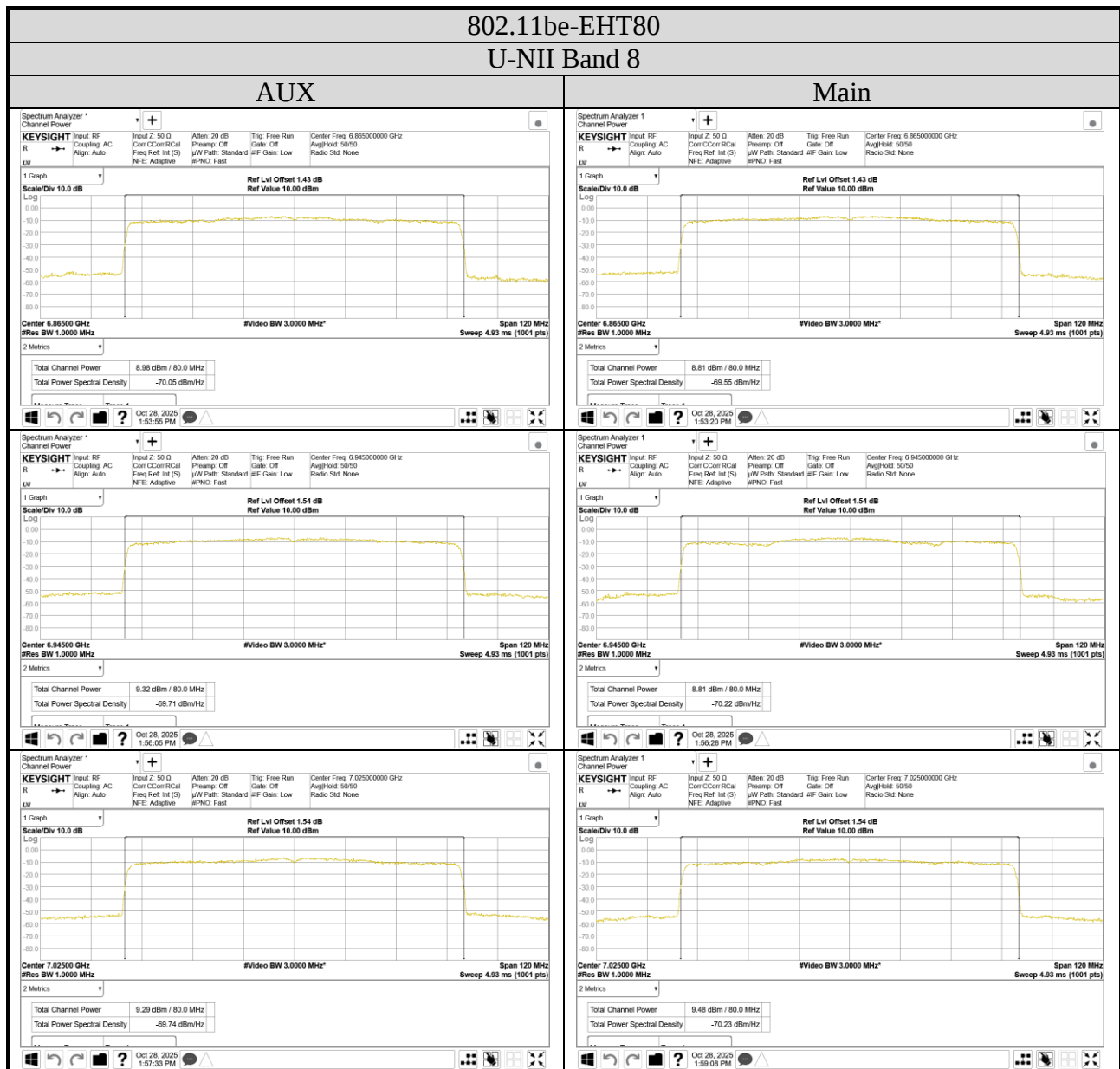
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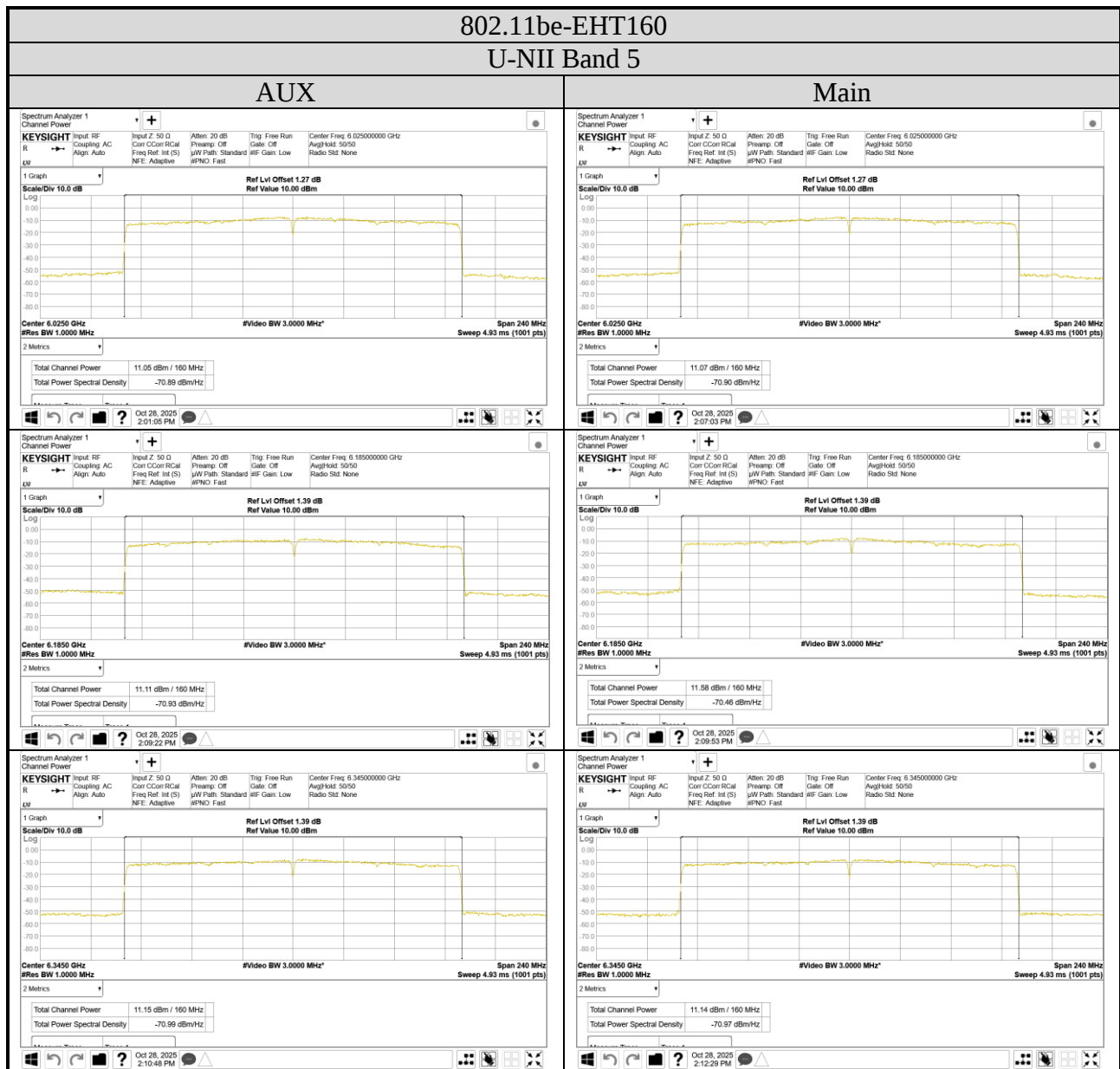
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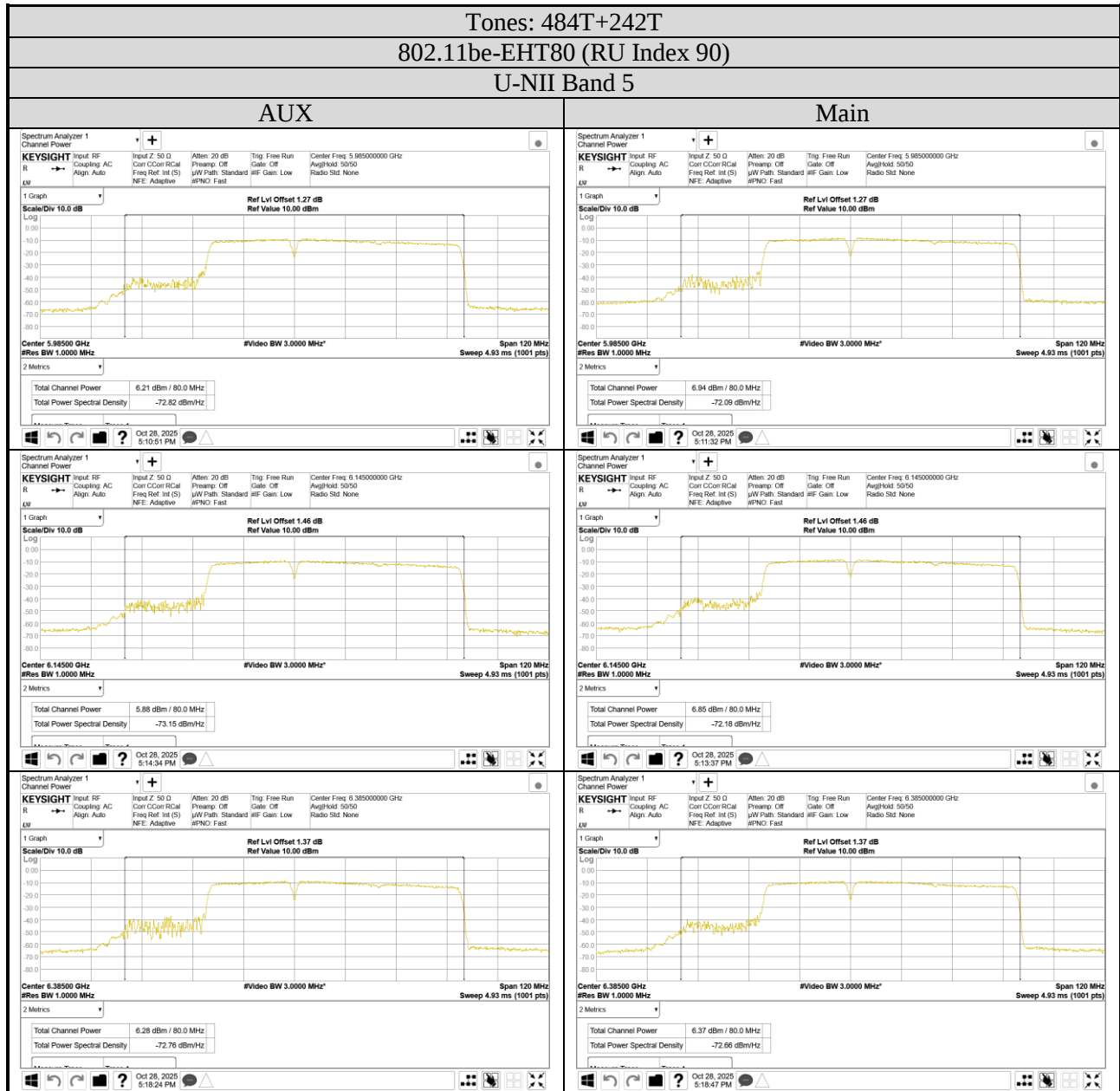
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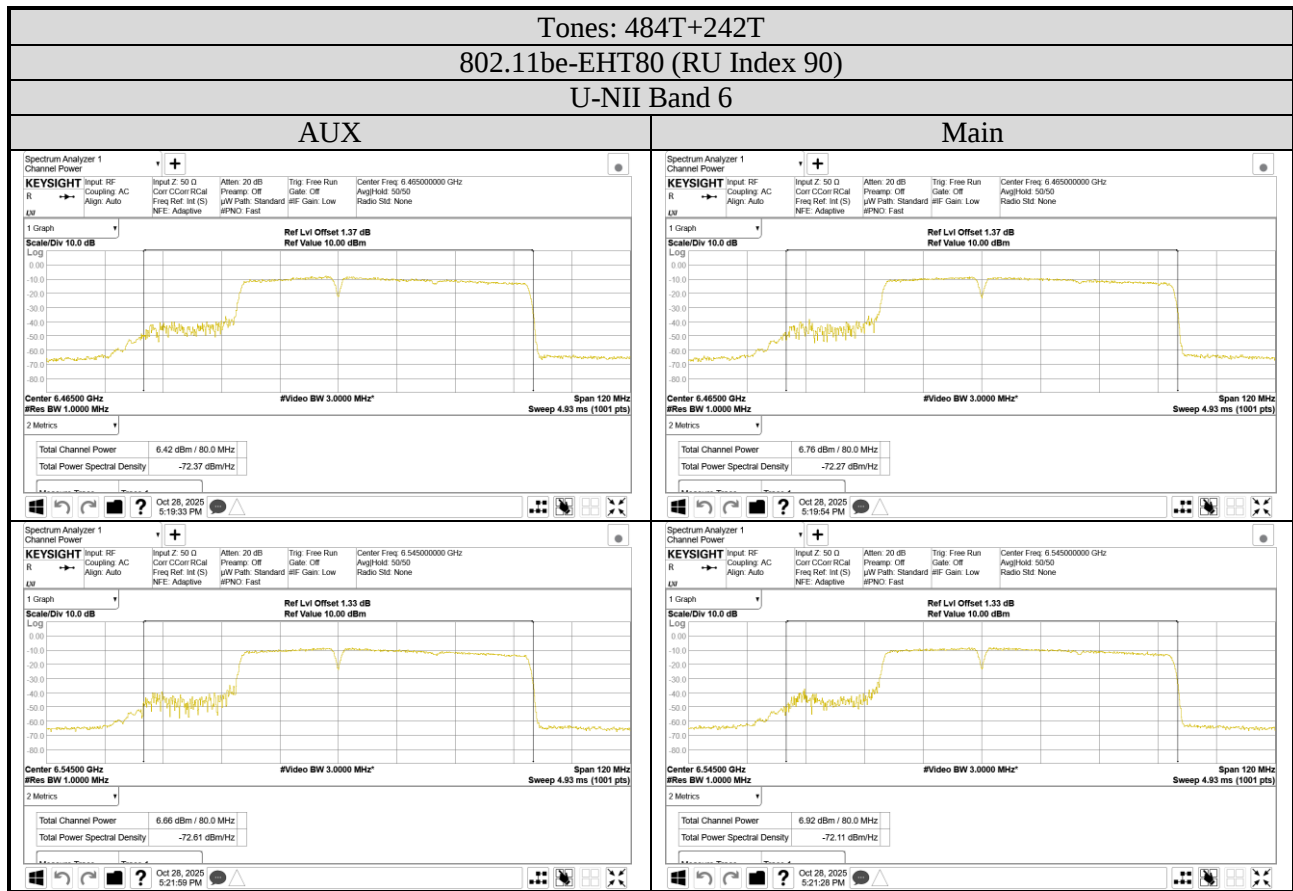
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● OFDMA Modulation



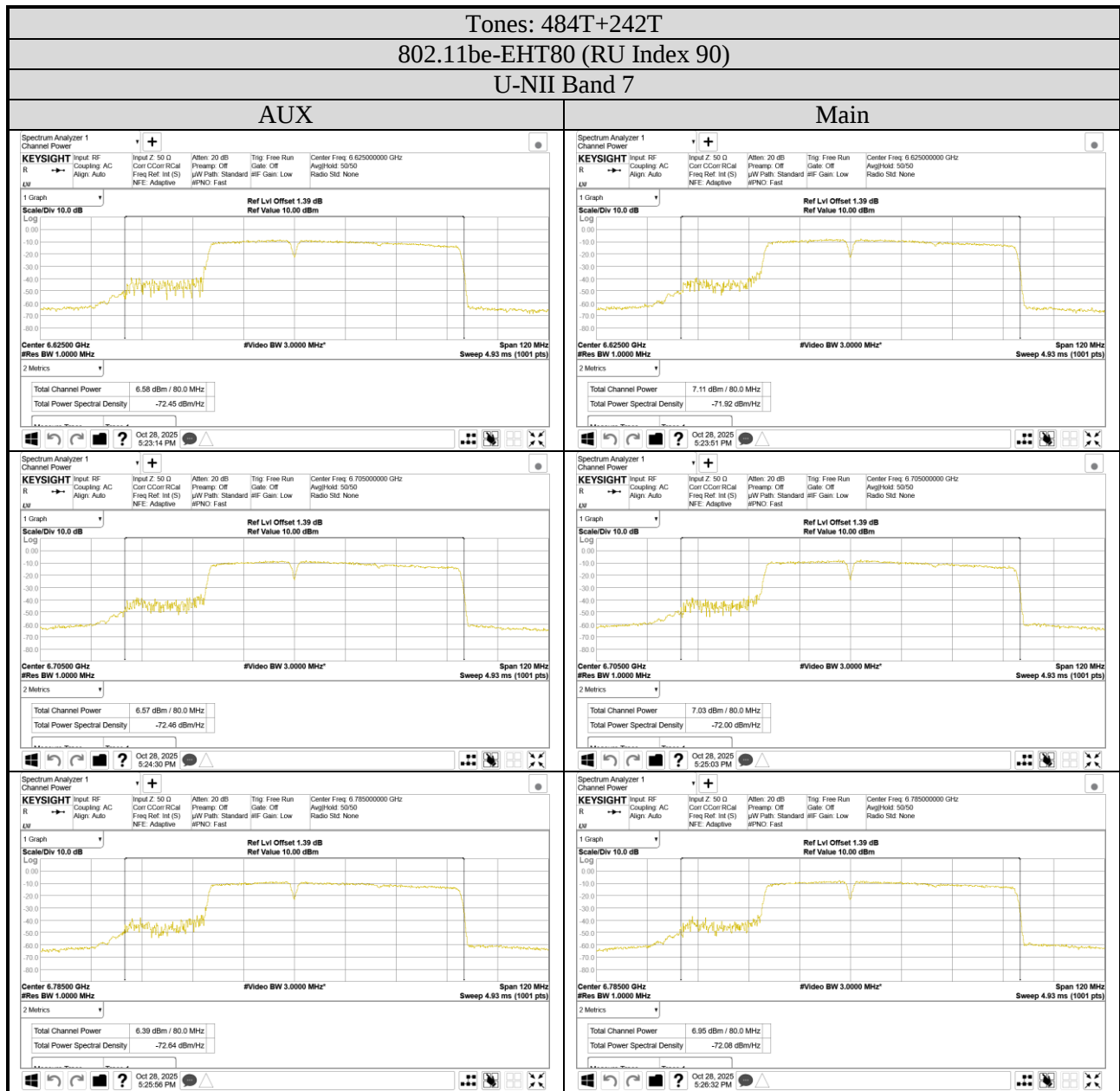
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