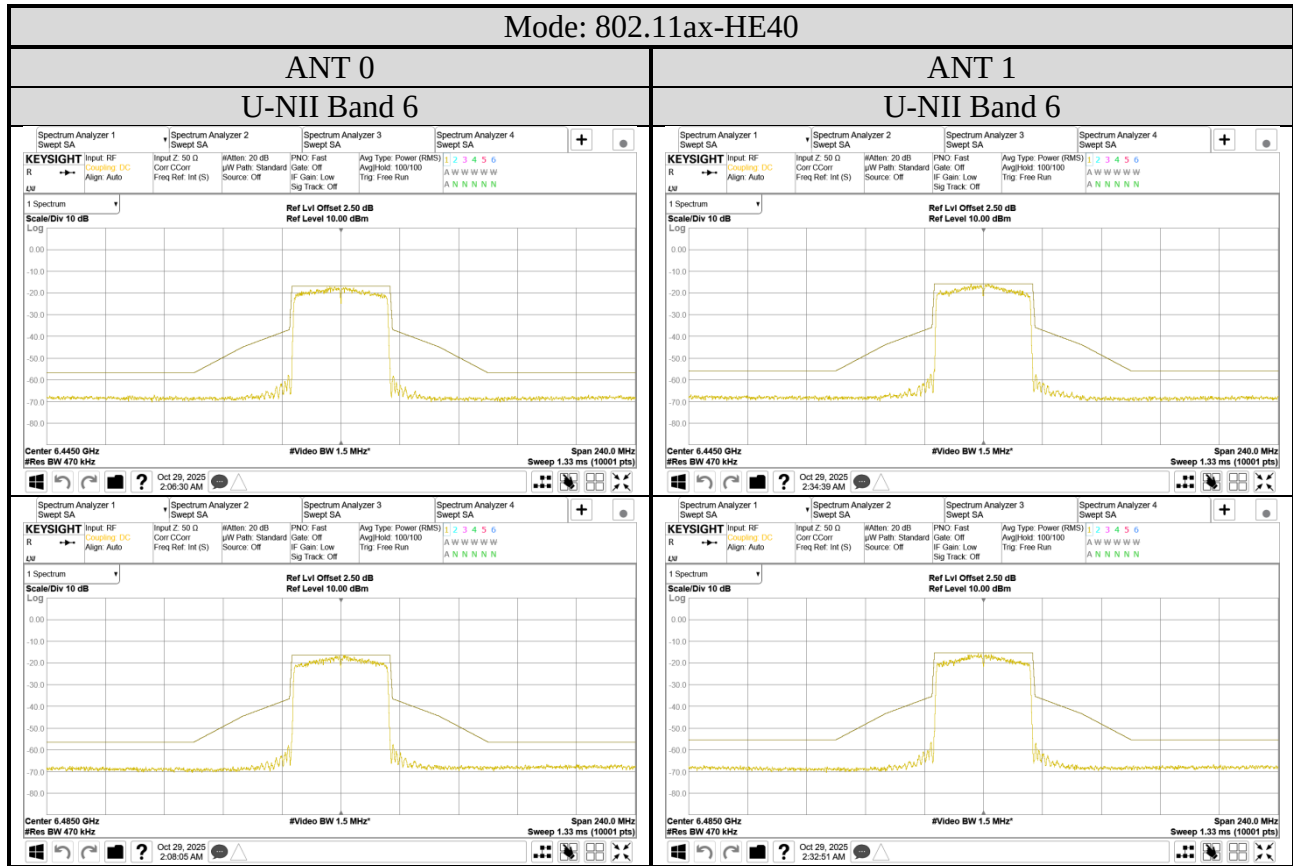


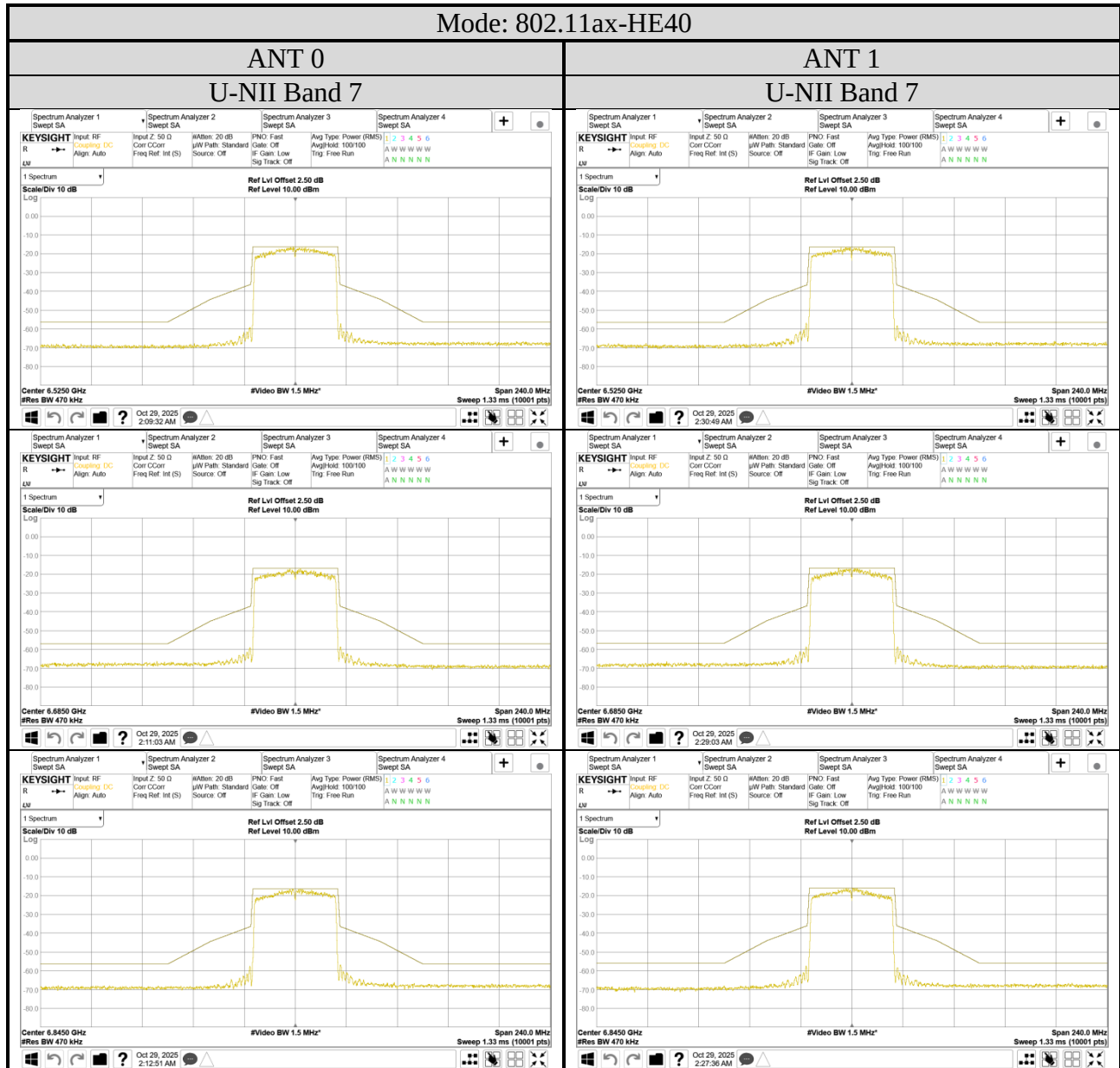
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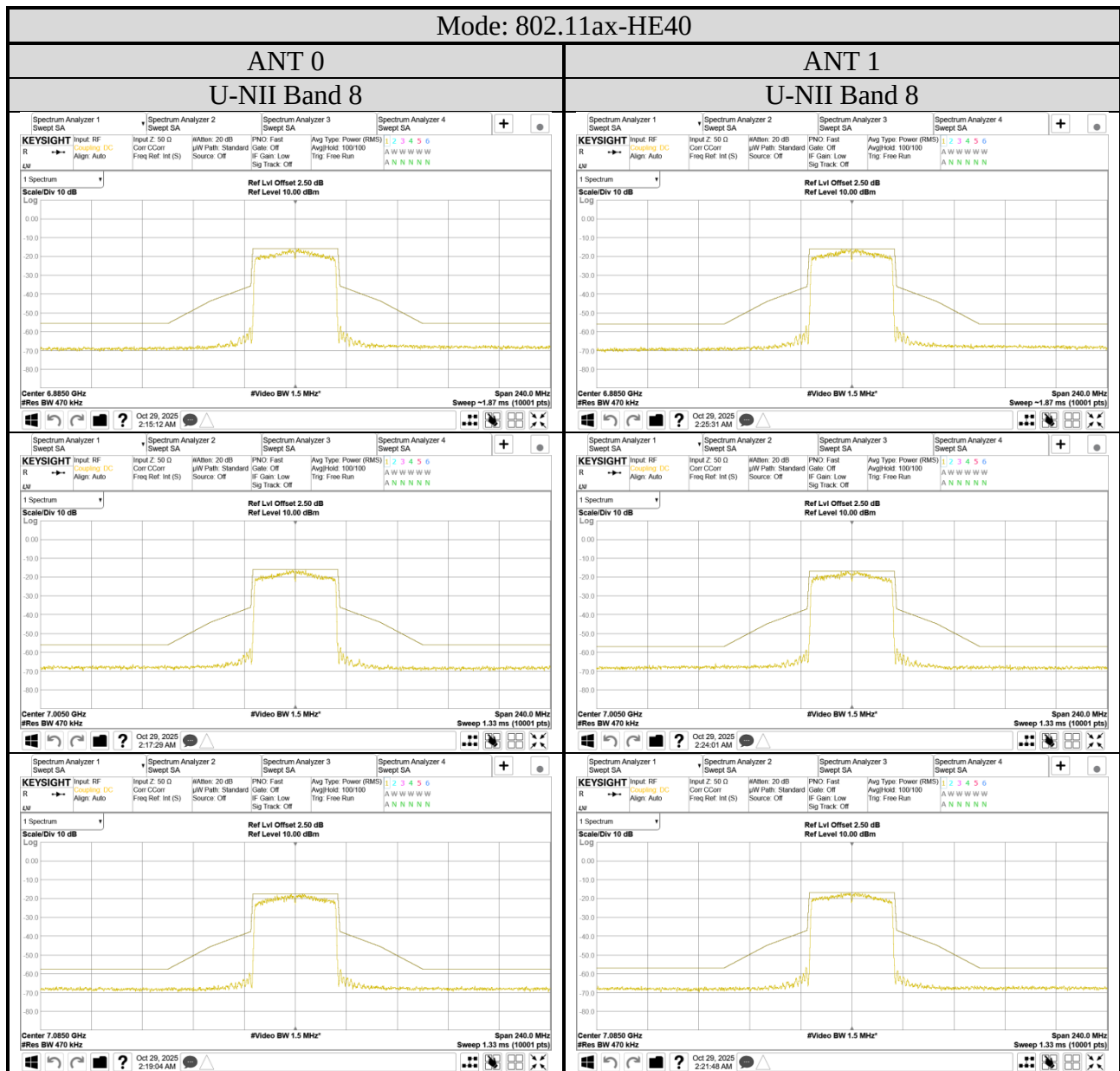
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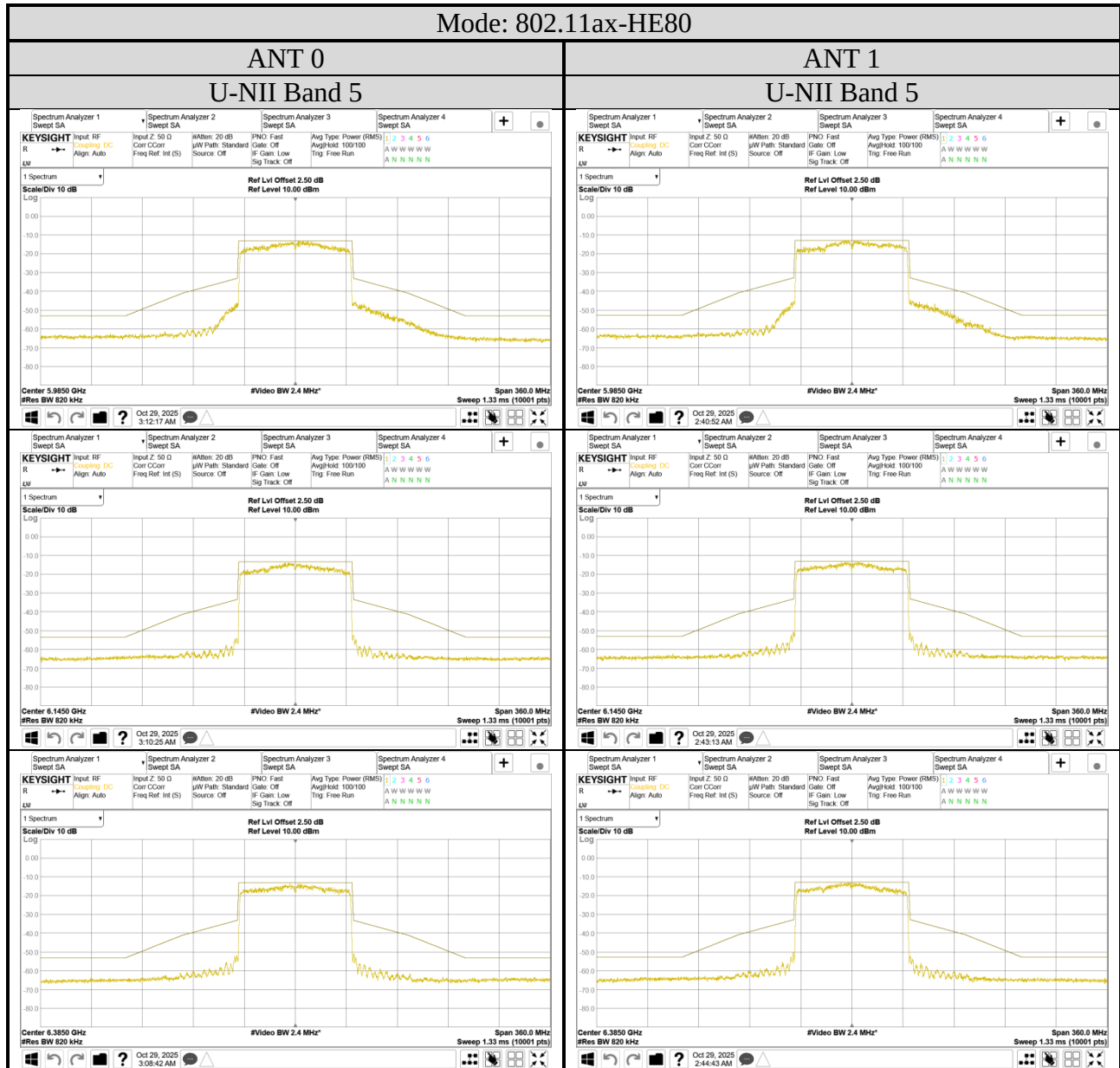
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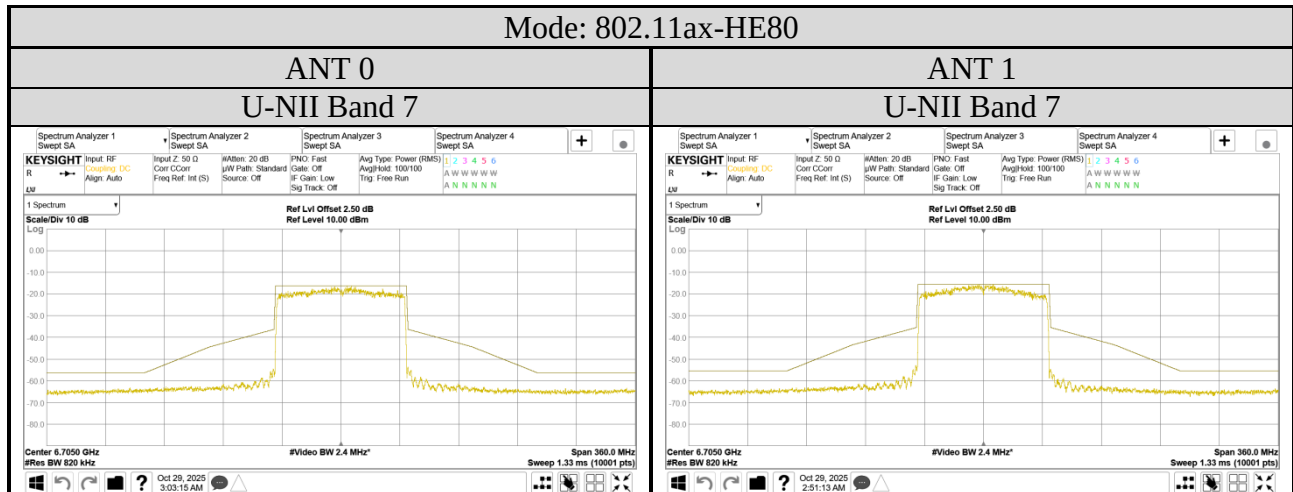
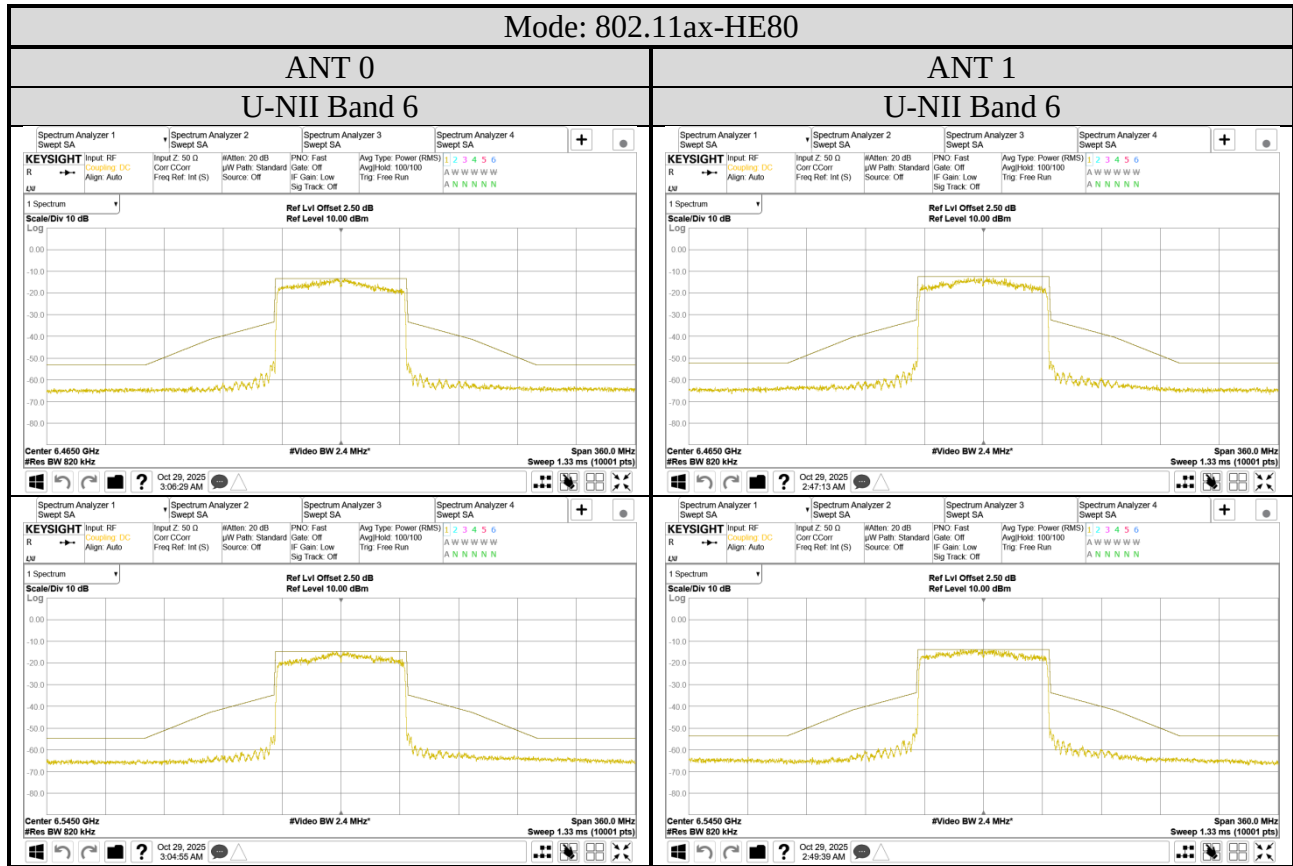
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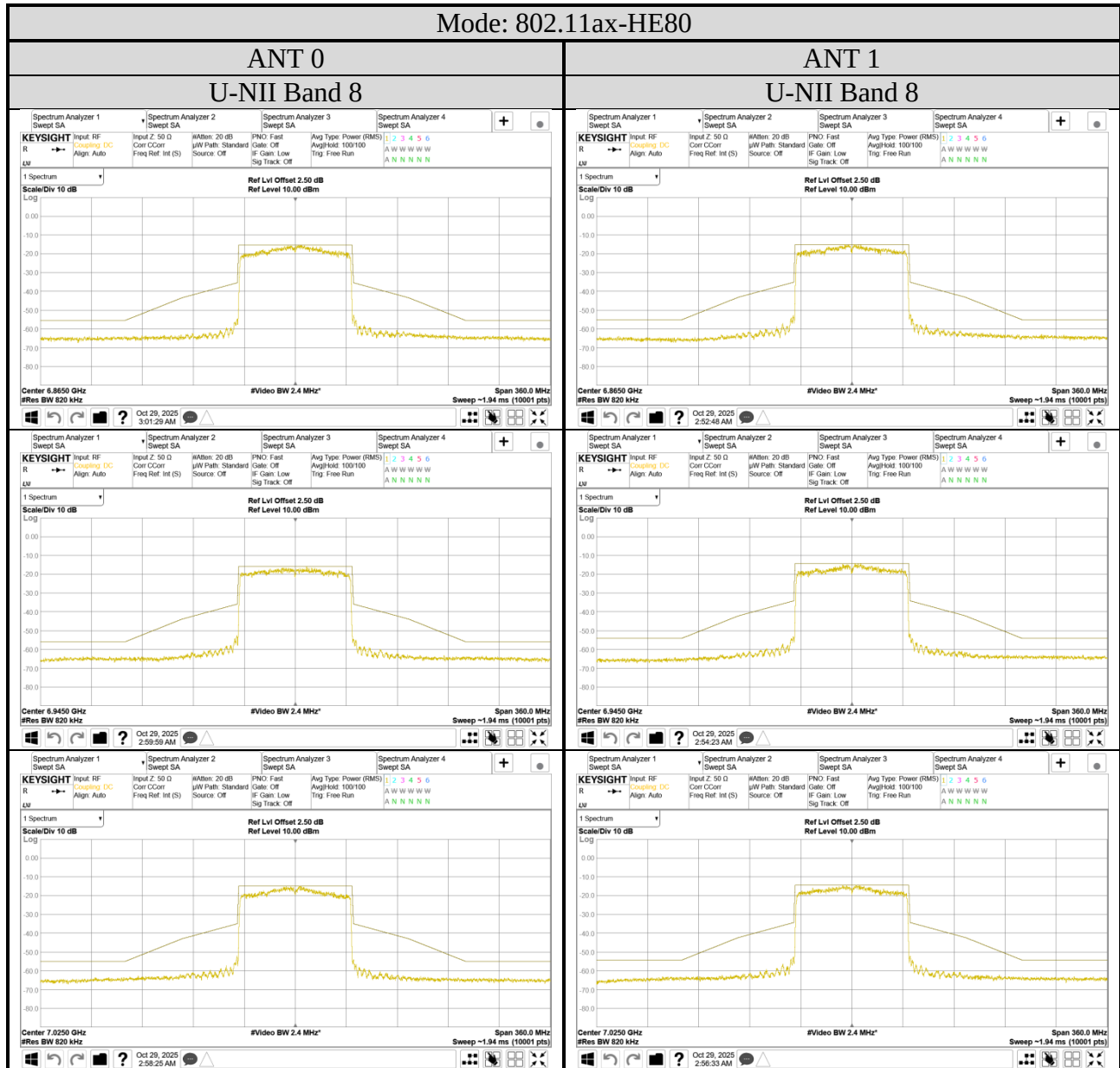
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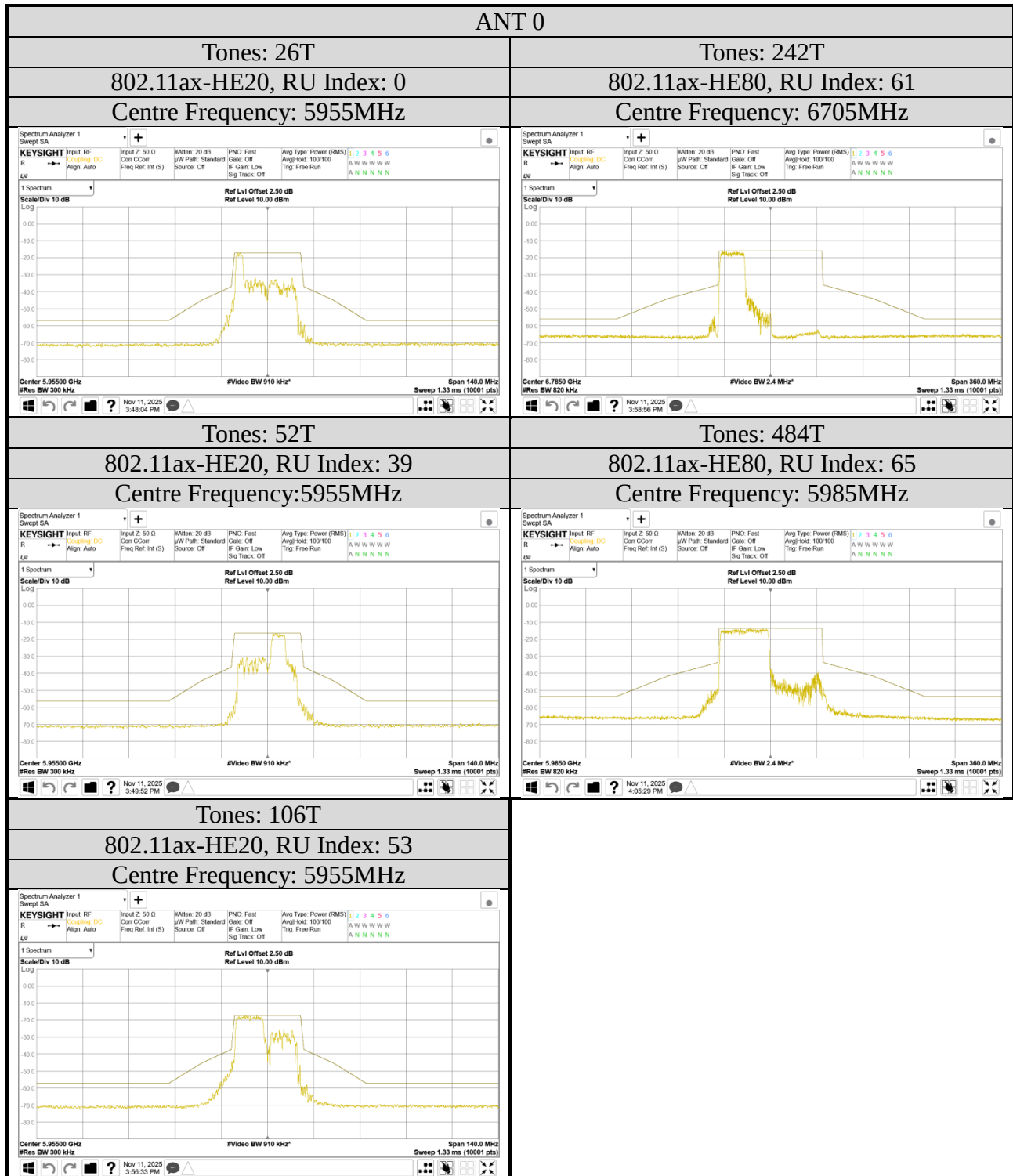
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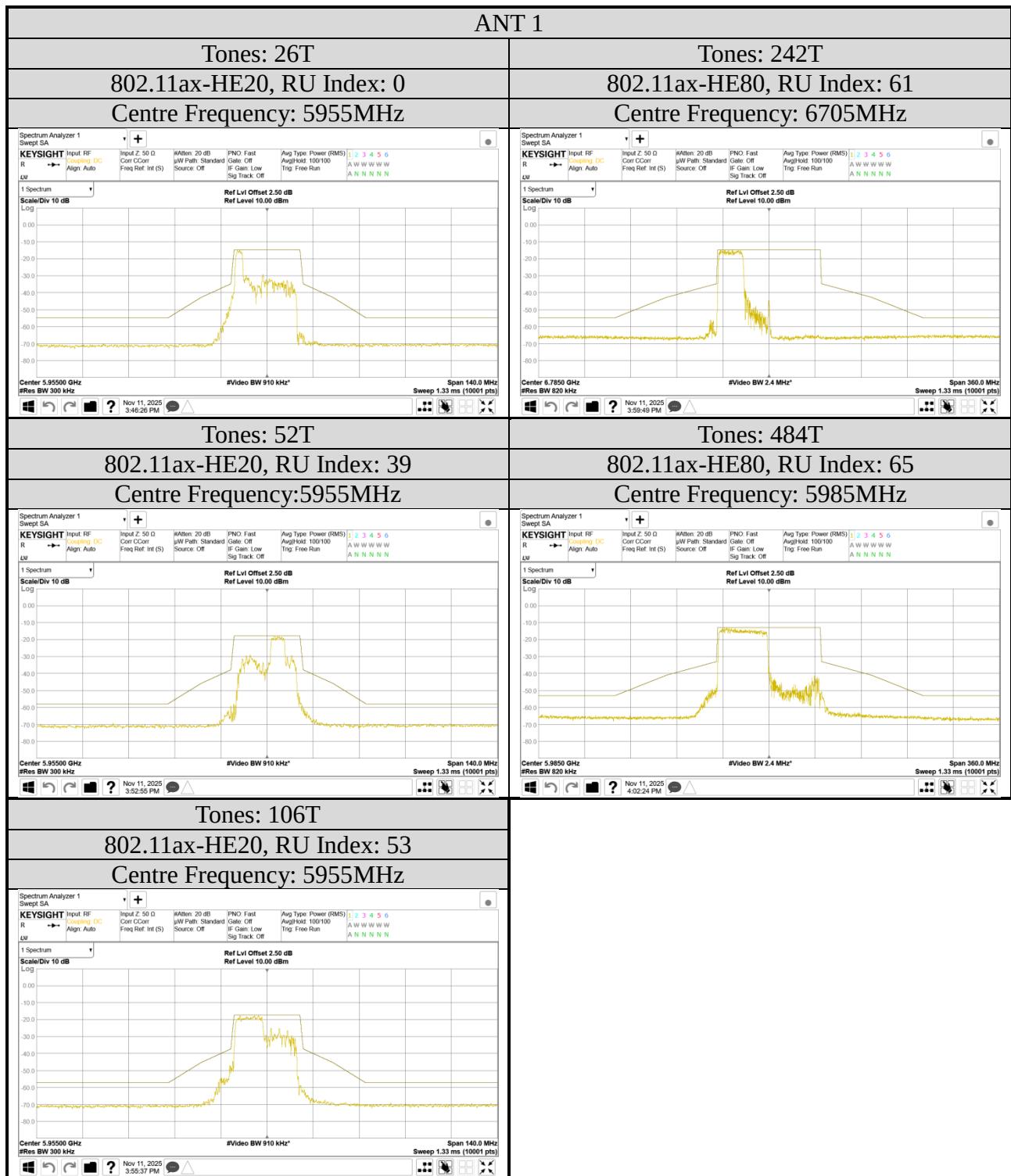
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● OFDMA Modulation



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A.8 CONTENTION BASED PROTOCOL

Test Date	2025/10/31	Temp./Hum.	23°C/62%
Cable Loss	N/A	Tested By	Sam Chang
Test Voltage	DC 5V (Through jig via Notebook PC)		

A.8.1 Contention-based Protocol

● Contention-based Protocol Threshold Incumbent Signal & Mini. Detection level

Mode	U-NII Band	EUT Frequency (MHz)	AWGN Frequency (MHz)	Injected AWGN Power (dBm)	Min. Antenna Gain (Include path loss) (dBi) *Note1	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status
802.11ax-HE20	5	6135	6135	-74.29	-2.89	-71.40	-62	OFF
			6135	-90.29	-2.89	-87.40	-62	Minimum
			6135	-93.29	-2.89	-90.40	-62	ON
	6	6455	6455	-74.42	-2.89	-71.53	-62	OFF
			6455	-88.42	-2.89	-85.53	-62	Minimum
			6455	-91.42	-2.89	-88.53	-62	ON
	7	6695	6695	-72.41	-2.89	-69.52	-62	OFF
			6695	-85.41	-2.89	-82.52	-62	Minimum
			6695	-89.41	-2.89	-86.52	-62	ON
	8	7015	7015	-72.17	-2.89	-69.28	-62	OFF
			7015	-94.17	-2.89	-91.28	-62	Minimum
			7015	-96.17	-2.89	-93.28	-62	ON

Note 1: the listed Min. gain of EUT was included path loss.

Note 2: Detected level (Adjusted Power) = Injected AWGN Power (dBm) – (Antenna Gain (dBi) + Path loss (dB)) *Note1.

Note 3: The AWGN level is reported for the following conditions:

- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds.
- Minimal: AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently.
- ON = AWGN level at which no impact on the transmission is detected, consistently for a minimum period of 10 seconds.

Note 4: The EUT don't support channel puncturing or BW reduction mechanism.

Note 5: Per FCC TCB workshop April 2022, The Injected AWGN power is actual power of AWGN injected into the antenna port.

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Mode	U-NII Band	EUT Frequency (MHz)	AWGN Frequency (MHz)	Injected AWGN Power (dBm)	Min. Antenna Gain (Include path loss) (dBi) *Note1	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status
802.11ax-HE80	5	6145	6110	-76.89	-2.89	-74.00	-62	OFF
			6110	-88.89	-2.89	-86.00	-62	Minimum
			6110	-89.89	-2.89	-87.00	-62	ON
			6145	-73.30	-2.89	-70.41	-62	OFF
			6145	-87.30	-2.89	-84.41	-62	Minimum
			6145	-91.30	-2.89	-88.41	-62	ON
			6180	-76.72	-2.89	-73.83	-62	OFF
			6180	-86.72	-2.89	-83.83	-62	Minimum
			6180	-89.72	-2.89	-86.83	-62	ON
	6	6465	6430	-78.63	-2.89	-75.74	-62	OFF
			6430	-87.63	-2.89	-84.74	-62	Minimum
			6430	-88.63	-2.89	-85.74	-62	ON
			6465	-72.92	-2.89	-70.03	-62	OFF
			6465	-89.92	-2.89	-87.03	-62	Minimum
			6465	-91.92	-2.89	-89.03	-62	ON
			6500	-79.11	-2.89	-76.22	-62	OFF
			6500	-89.11	-2.89	-86.22	-62	Minimum
			6500	-91.11	-2.89	-88.22	-62	ON
	7	6705	6670	-78.20	-2.89	-75.31	-62	OFF
			6670	-86.20	-2.89	-83.31	-62	Minimum
			6670	-88.20	-2.89	-85.31	-62	ON
			6705	-73.69	-2.89	-70.80	-62	OFF
			6705	-85.69	-2.89	-82.80	-62	Minimum
			6705	-87.69	-2.89	-84.80	-62	ON
			6740	-75.80	-2.89	-72.91	-62	OFF
			6740	-87.80	-2.89	-84.91	-62	Minimum
			6740	-88.80	-2.89	-85.91	-62	ON
	8	6945	6910	-75.16	-2.89	-72.27	-62	OFF
			6910	-86.16	-2.89	-83.27	-62	Minimum
			6910	-87.16	-2.89	-84.27	-62	ON
			6945	-72.70	-2.89	-69.81	-62	OFF
			6945	-85.70	-2.89	-82.81	-62	Minimum
			6945	-86.70	-2.89	-83.81	-62	ON
			6980	-75.81	-2.89	-72.92	-62	OFF
			6980	-85.81	-2.89	-82.92	-62	Minimum
			6980	-86.81	-2.89	-83.92	-62	ON

Note 1: the listed Min. gain of EUT was included path loss.

Note 2: Detected level (Adjusted Power) = Injected AWGN Power (dBm) – (Antenna Gain (dBi) + Path loss (dB)) *Note1.

Note 3: The AWGN level is reported for the following conditions:

- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds.
- Minimal: AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently.
- ON = AWGN level at which no impact on the transmission is detected, consistently for a minimum period of 10 seconds.

Note 4: The EUT don't support channel puncturing or BW reduction mechanism.

Note 5: Per FCC TCB workshop April 2022, The Injected AWGN power is actual power of AWGN injected into the antenna port.

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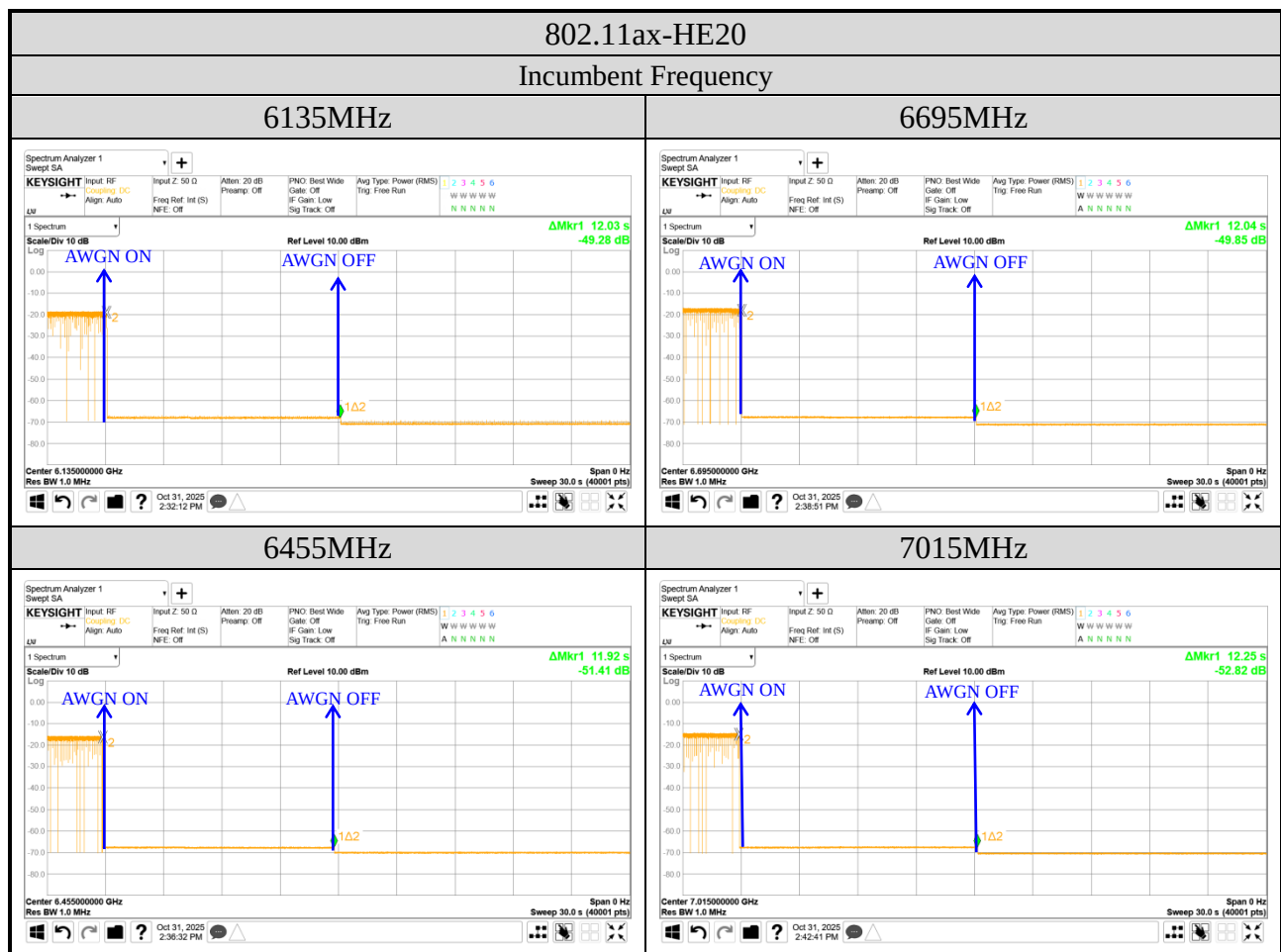
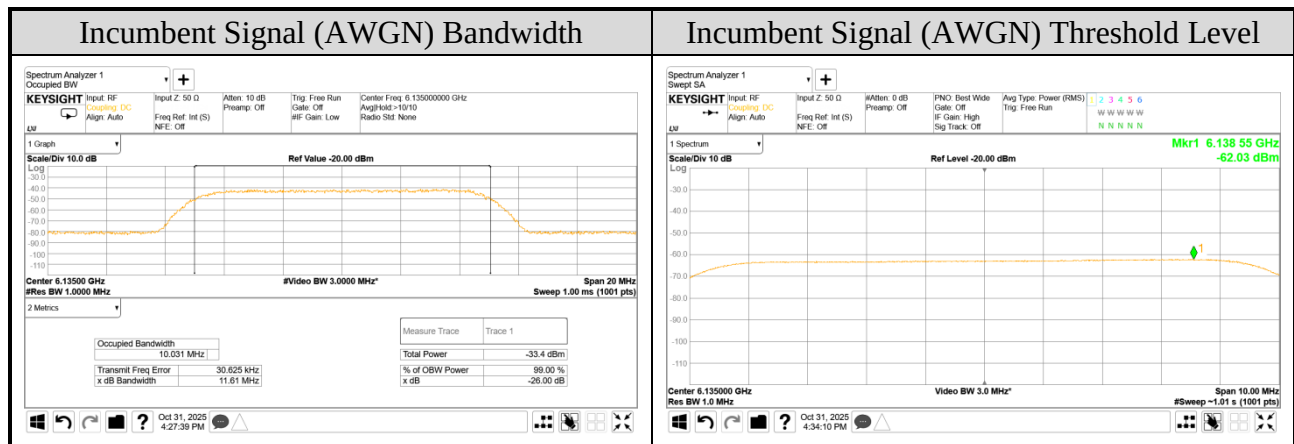
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● Summary table

Mode	U-NII Band	Centre Frequency (MHz)	Incumbent Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Possibility (%)	Limit (%)
802.11ax-HE20	5	6135	6135	1	1	1	1	1	1	1	1	1	1	100	90
	6	6455	6455	1	1	1	1	1	1	1	1	1	1	100	90
	7	6695	6695	1	1	1	1	1	1	1	1	1	1	100	90
	8	7015	7015	1	1	1	1	1	1	1	1	1	1	100	90
802.11ax-HE80	5	6145	6110	1	1	1	1	1	1	1	1	1	1	100	90
			6145	1	1	1	1	1	1	1	1	1	1	100	90
			6180	1	1	1	1	1	1	1	1	1	1	100	90
	6	6465	6430	1	1	1	1	1	1	1	1	1	1	100	90
			6465	1	1	1	1	1	1	1	1	1	1	100	90
			6500	1	1	1	1	1	1	1	1	1	1	100	90
	7	6705	6670	1	1	1	1	1	1	1	1	1	1	100	90
			6705	1	1	1	1	1	1	1	1	1	1	100	90
			6740	1	1	1	1	1	1	1	1	1	1	100	90
	8	6945	6910	1	1	1	1	1	1	1	1	1	1	100	90
			6945	1	1	1	1	1	1	1	1	1	1	100	90
			6980	1	1	1	1	1	1	1	1	1	1	100	90

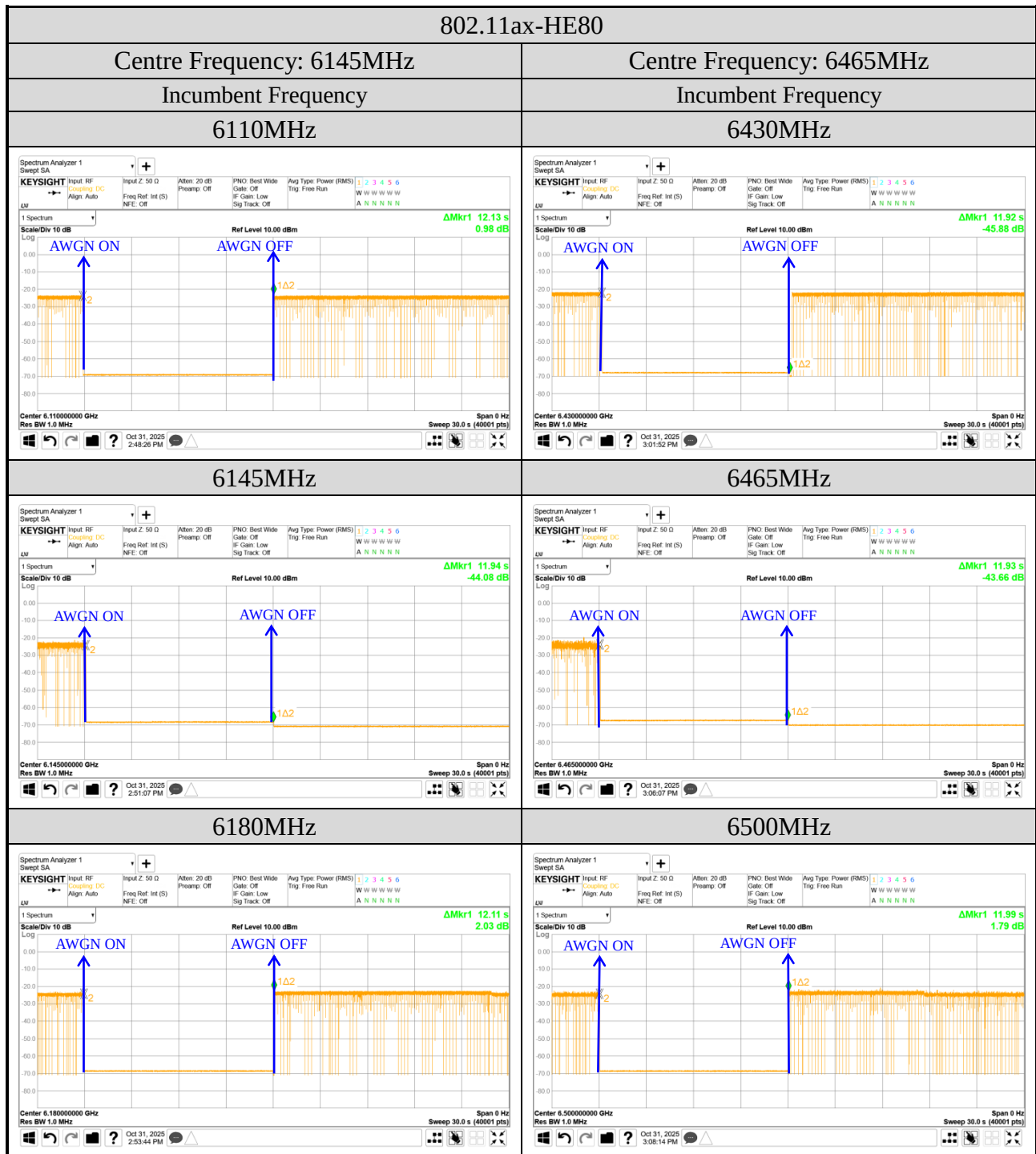
Note: CBP Detection Trials (1= Detection, 0= No Detection)

A.8.2 Measurement Plots



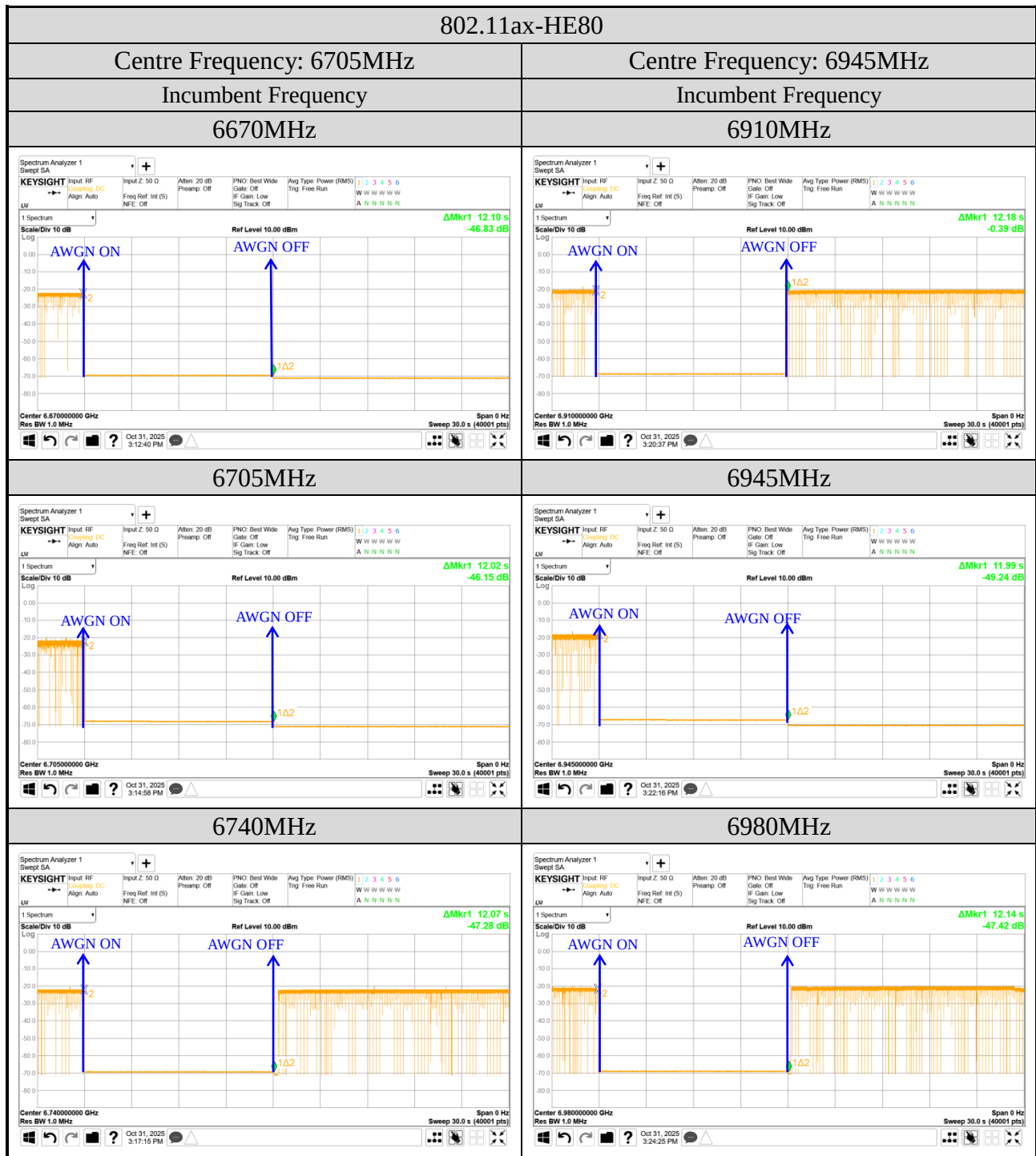
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APPENDIX B

TEST PHOTOGRAPHS

(Model: WCHB41M)