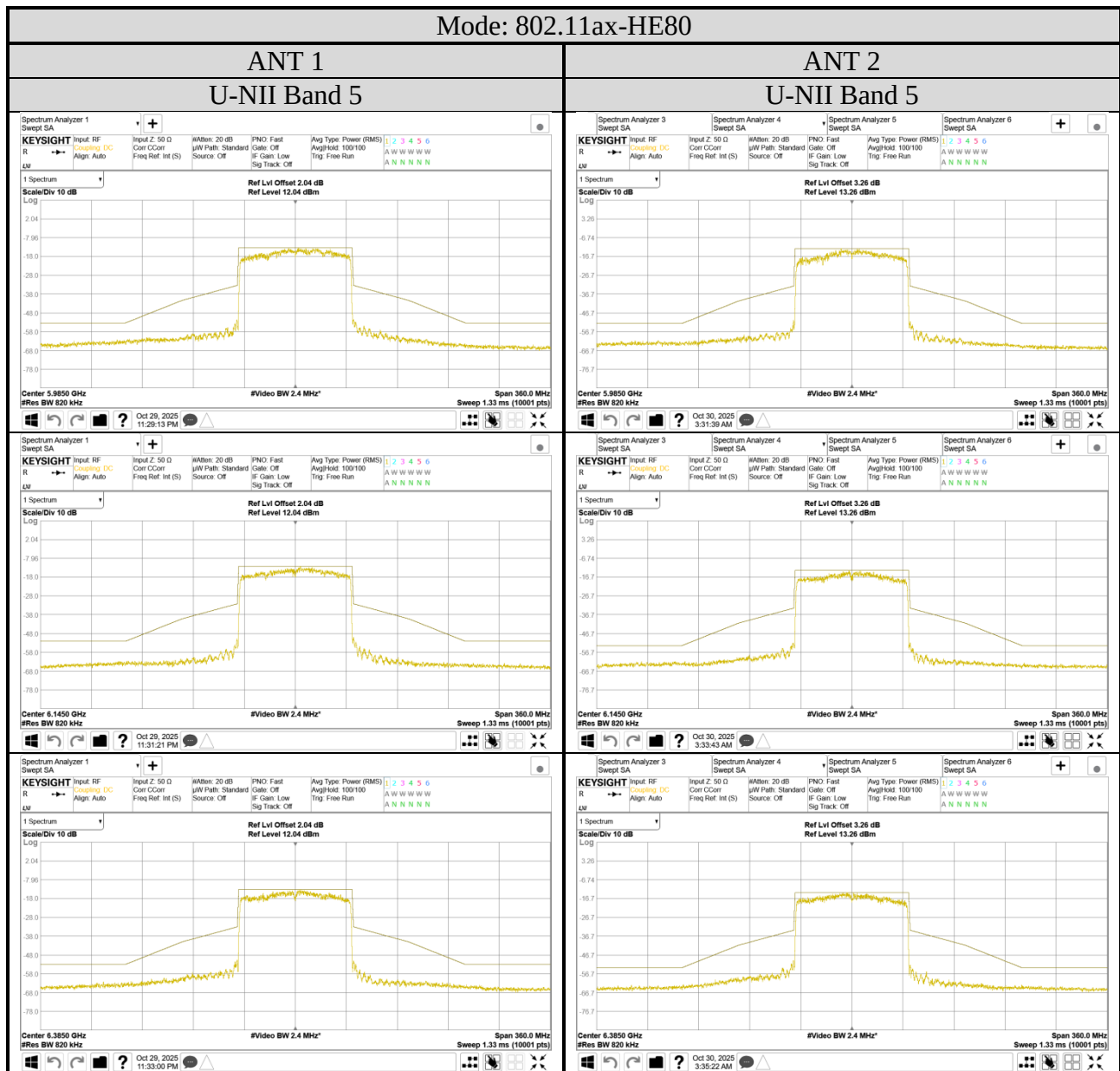
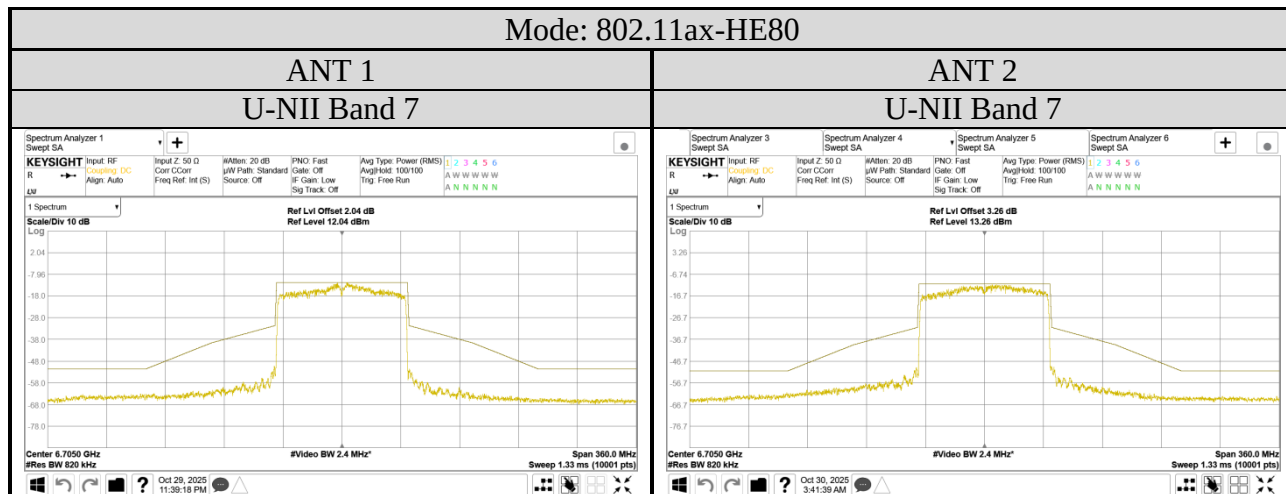
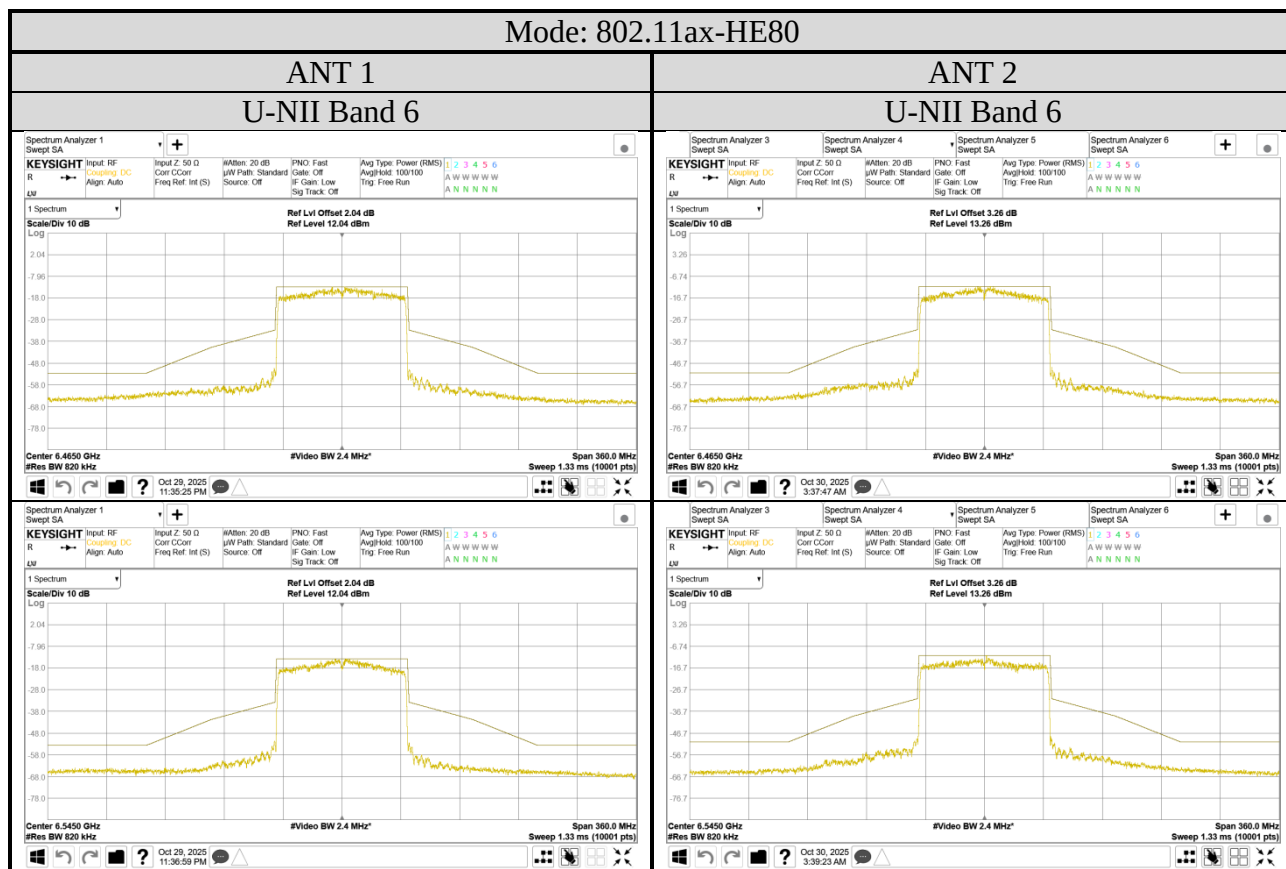


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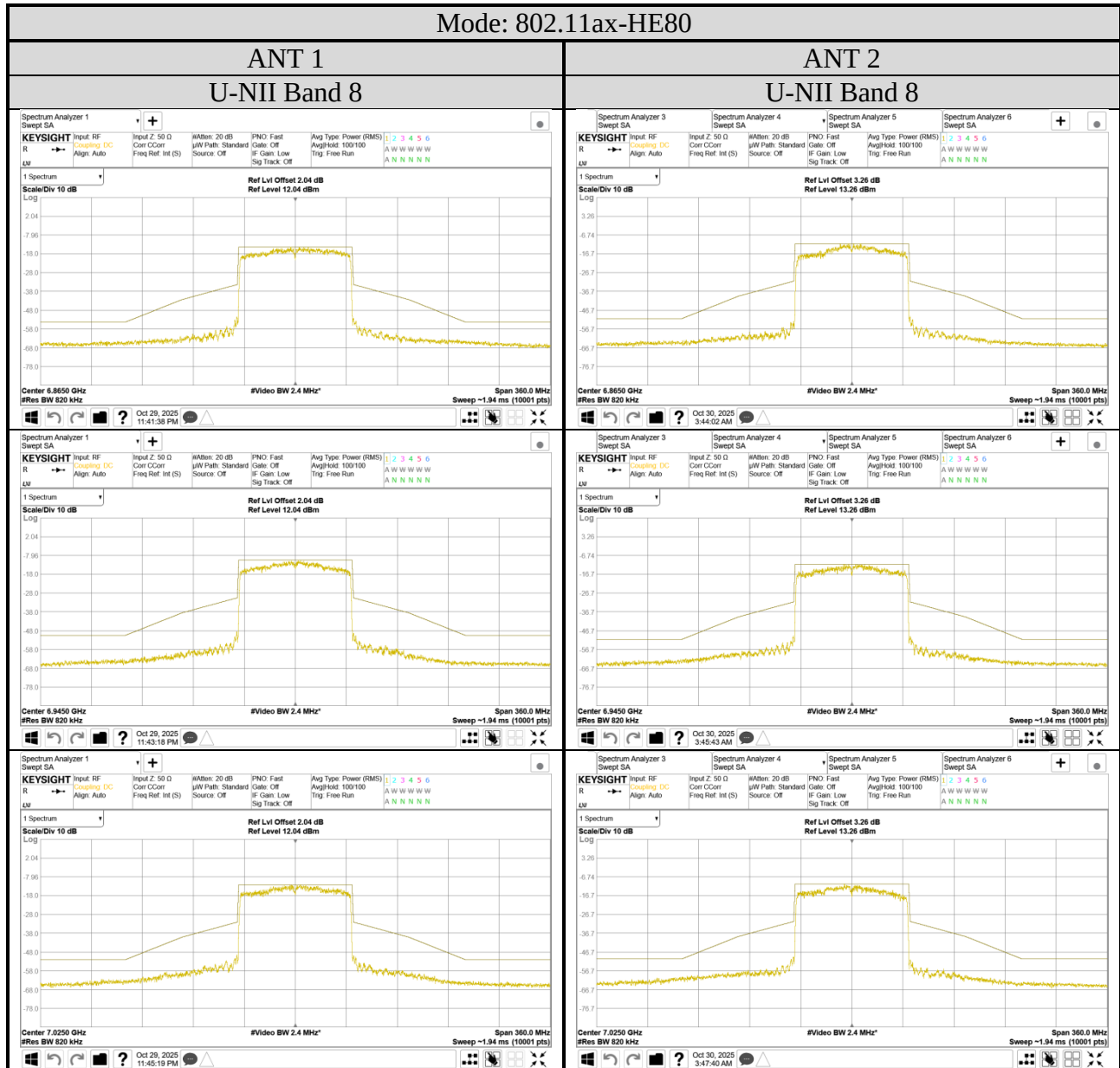
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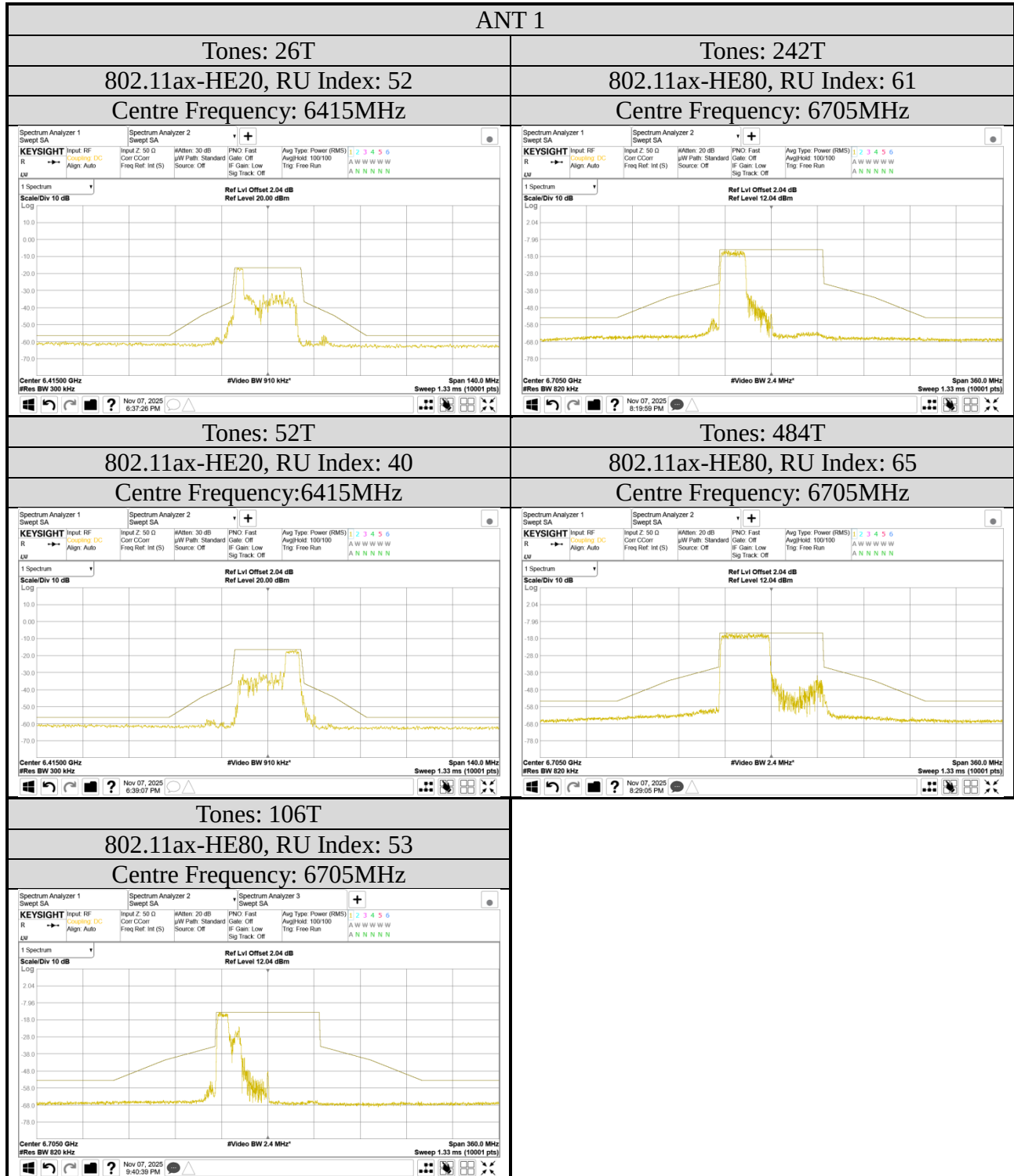
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● OFDMA Modulation



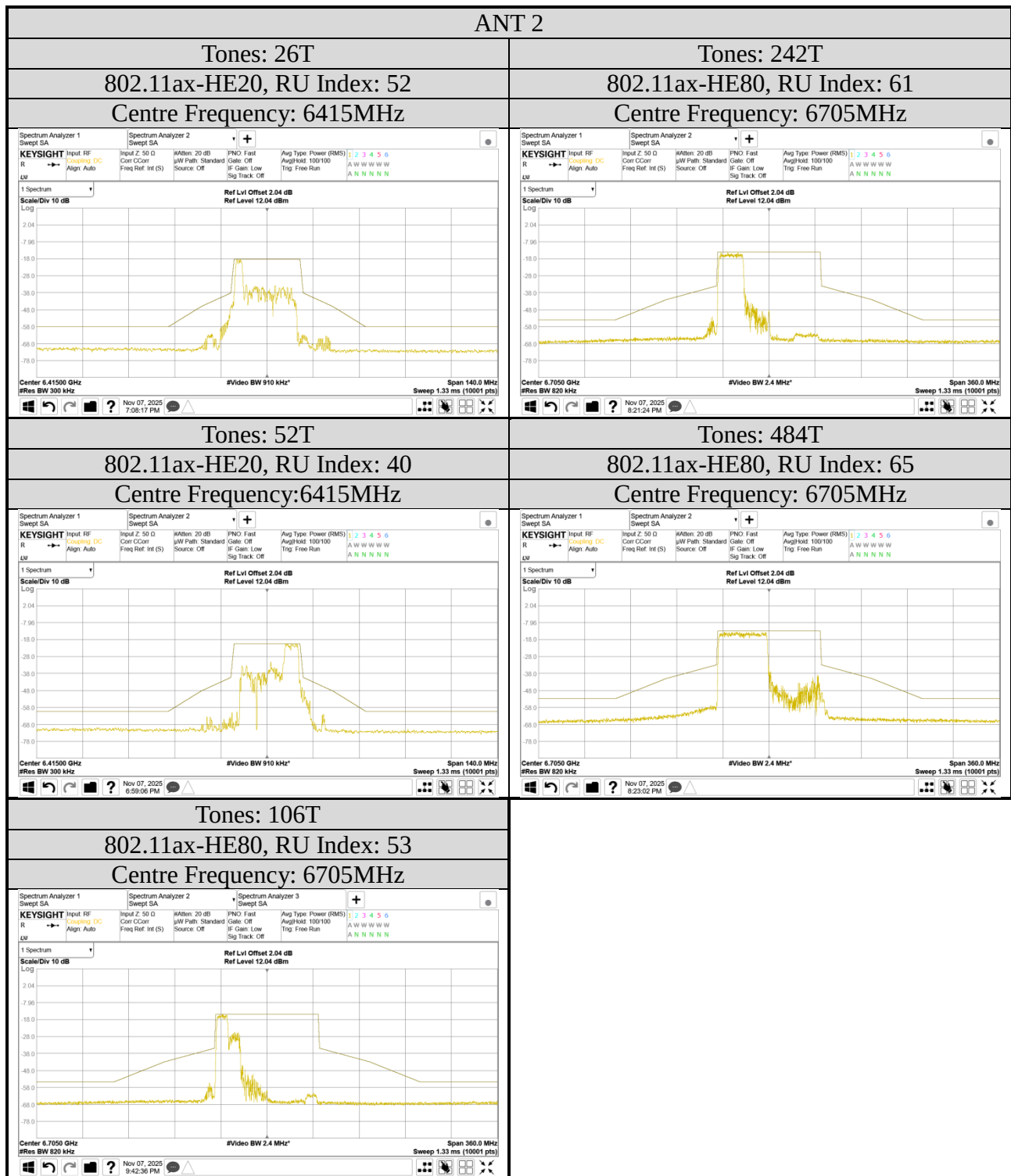
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A.8 CONTENTION BASED PROTOCOL

Test Date	2025/09/04 ~ 23	Temp./Hum.	23°C/54 ~ 58%
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	-75.29	-3.78	-71.51	-62	OFF
			6135	-91.29	-3.78	-87.51	-62	Minimum
			6135	-93.29	-3.78	-89.51	-62	ON
	6	6455	6455	-73.42	-3.78	-69.64	-62	OFF
			6455	-89.42	-3.78	-85.64	-62	Minimum
			6455	-91.42	-3.78	-87.64	-62	ON
	7	6695	6695	-71.41	-3.78	-67.63	-62	OFF
			6695	-87.41	-3.78	-83.63	-62	Minimum
			6695	-89.41	-3.78	-85.63	-62	ON
	8	7015	7015	-73.17	-3.78	-69.39	-62	OFF
			7015	-95.17	-3.78	-91.39	-62	Minimum
			7015	-96.17	-3.78	-92.39	-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	-77.89	-3.78	-74.11	-62	OFF
			6110	-88.89	-3.78	-85.11	-62	Minimum
			6110	-89.89	-3.78	-86.11	-62	ON
			6145	-74.30	-3.78	-70.52	-62	OFF
			6145	-89.30	-3.78	-85.52	-62	Minimum
			6145	-91.30	-3.78	-87.52	-62	ON
			6180	-75.72	-3.78	-71.94	-62	OFF
			6180	-87.72	-3.78	-83.94	-62	Minimum
			6180	-89.72	-3.78	-85.94	-62	ON
	6	6465	6430	-77.63	-3.78	-73.85	-62	OFF
			6430	-87.63	-3.78	-83.85	-62	Minimum
			6430	-88.63	-3.78	-84.85	-62	ON
			6465	-73.92	-3.78	-70.14	-62	OFF
			6465	-90.92	-3.78	-87.14	-62	Minimum
			6465	-91.92	-3.78	-88.14	-62	ON
			6500	-78.11	-3.78	-74.33	-62	OFF
			6500	-90.11	-3.78	-86.33	-62	Minimum
			6500	-91.11	-3.78	-87.33	-62	ON
	7	6705	6670	-77.20	-3.78	-73.42	-62	OFF
			6670	-87.20	-3.78	-83.42	-62	Minimum
			6670	-88.20	-3.78	-84.42	-62	ON
			6705	-72.69	-3.78	-68.91	-62	OFF
			6705	-86.69	-3.78	-82.91	-62	Minimum
			6705	-87.69	-3.78	-83.91	-62	ON
			6740	-76.80	-3.78	-73.02	-62	OFF
			6740	-87.80	-3.78	-84.02	-62	Minimum
			6740	-88.80	-3.78	-85.02	-62	ON
	8	6945	6910	-76.16	-3.78	-72.38	-62	OFF
			6910	-86.16	-3.78	-82.38	-62	Minimum
			6910	-87.16	-3.78	-83.38	-62	ON
			6945	-71.70	-3.78	-67.92	-62	OFF
			6945	-85.70	-3.78	-81.92	-62	Minimum
			6945	-86.70	-3.78	-82.92	-62	ON
			6980	-76.81	-3.78	-73.03	-62	OFF
			6980	-85.81	-3.78	-82.03	-62	Minimum
			6980	-86.81	-3.78	-83.03	-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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● 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)

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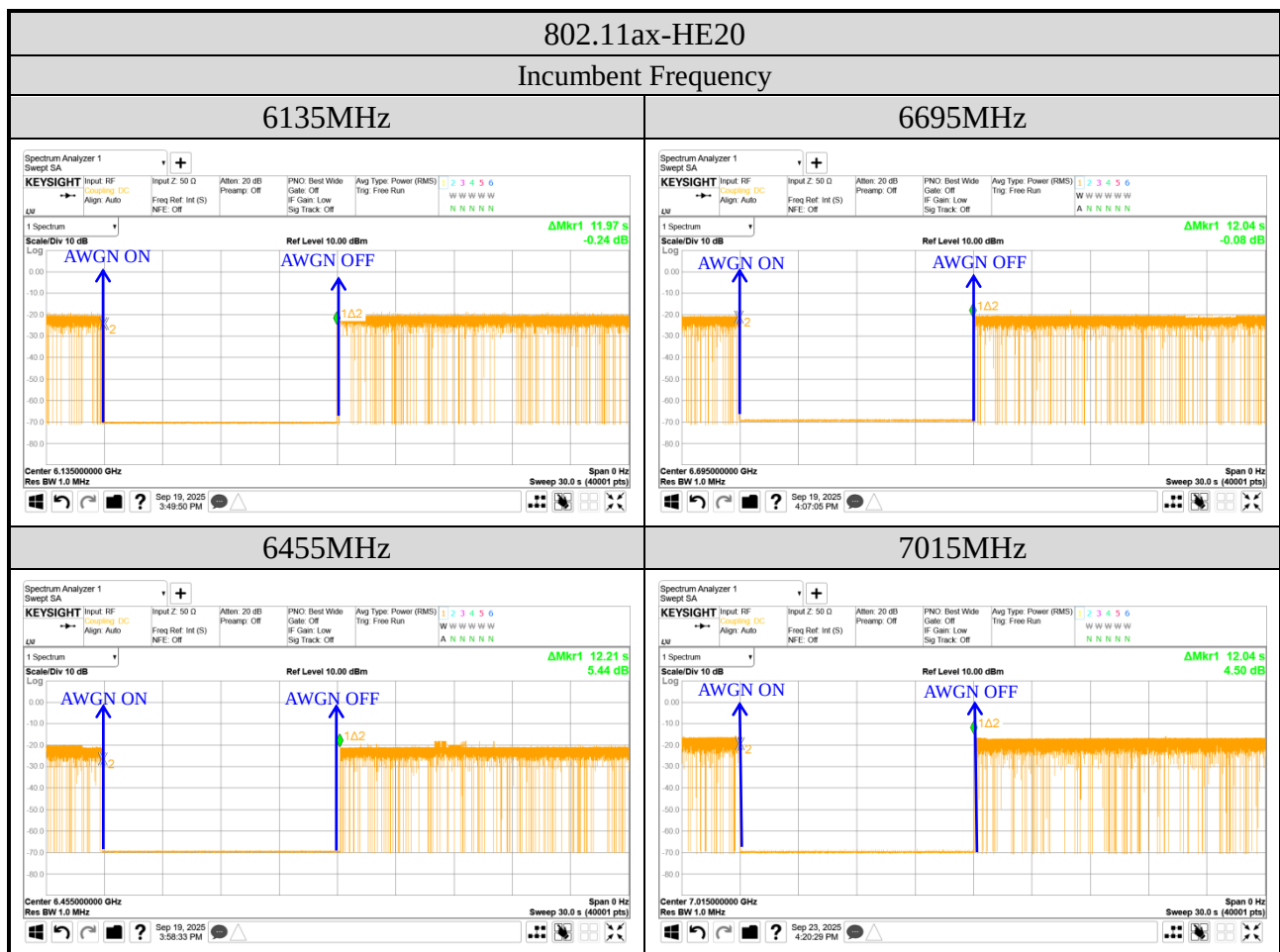
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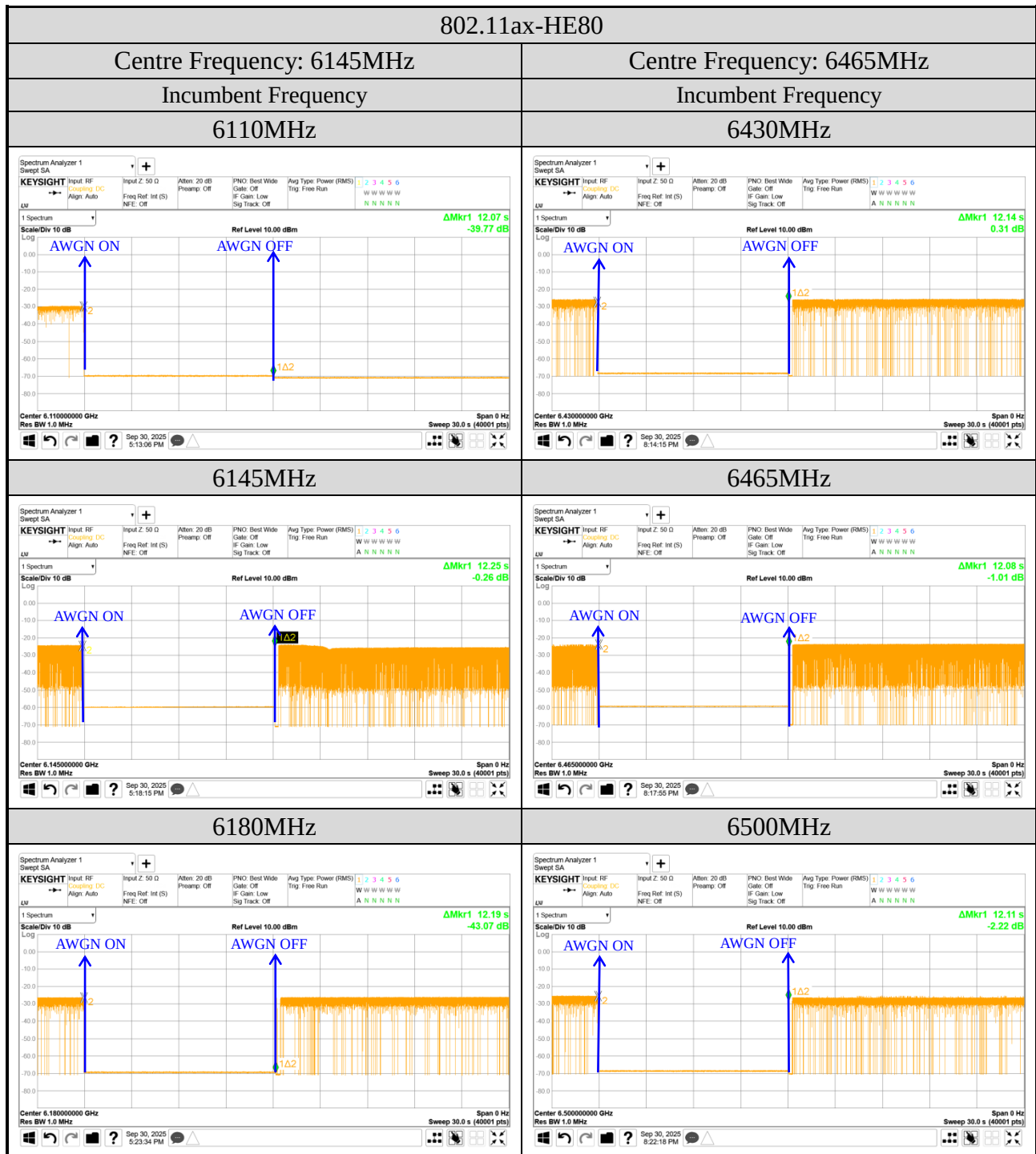
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A.8.2 Measurement Plots



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