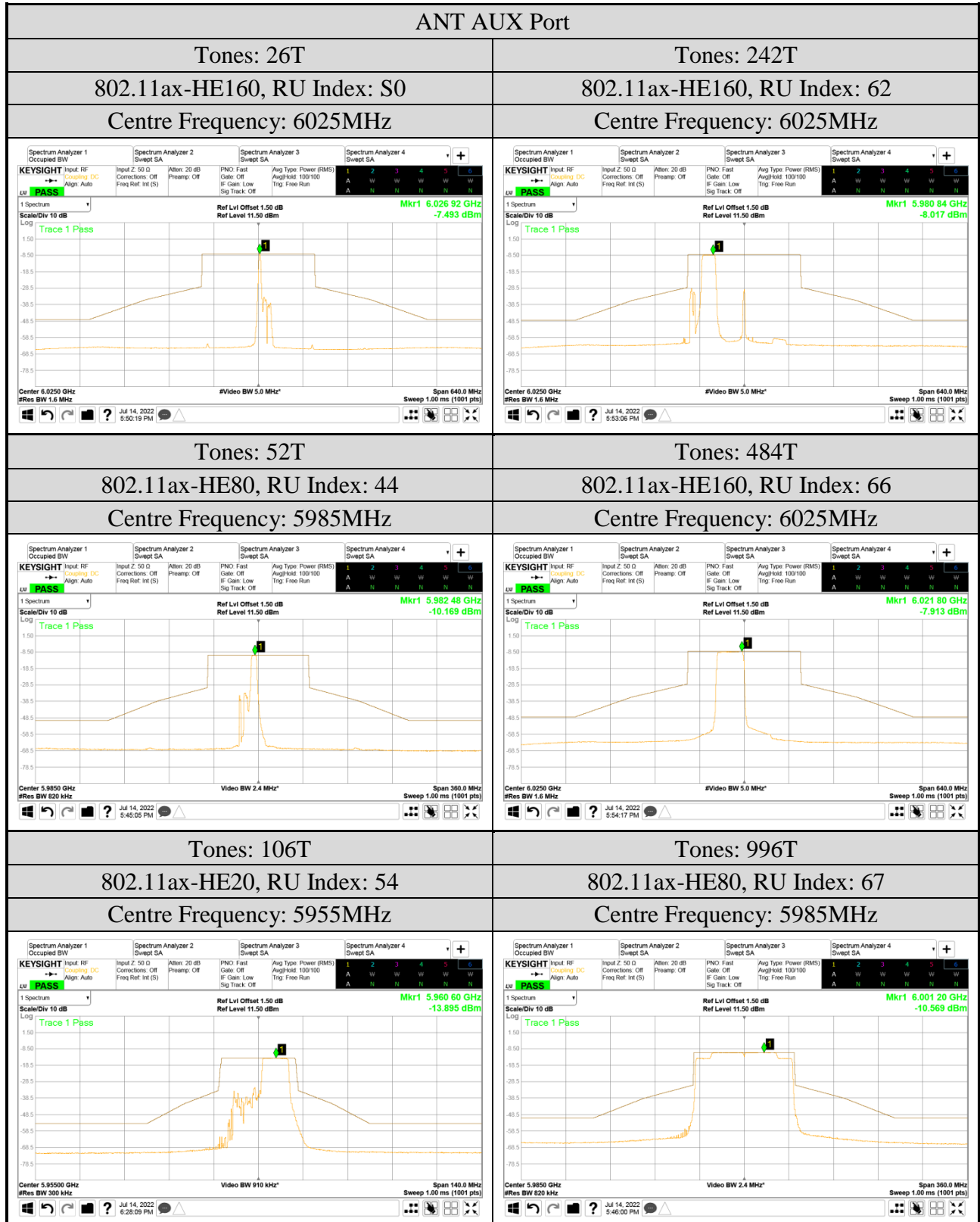
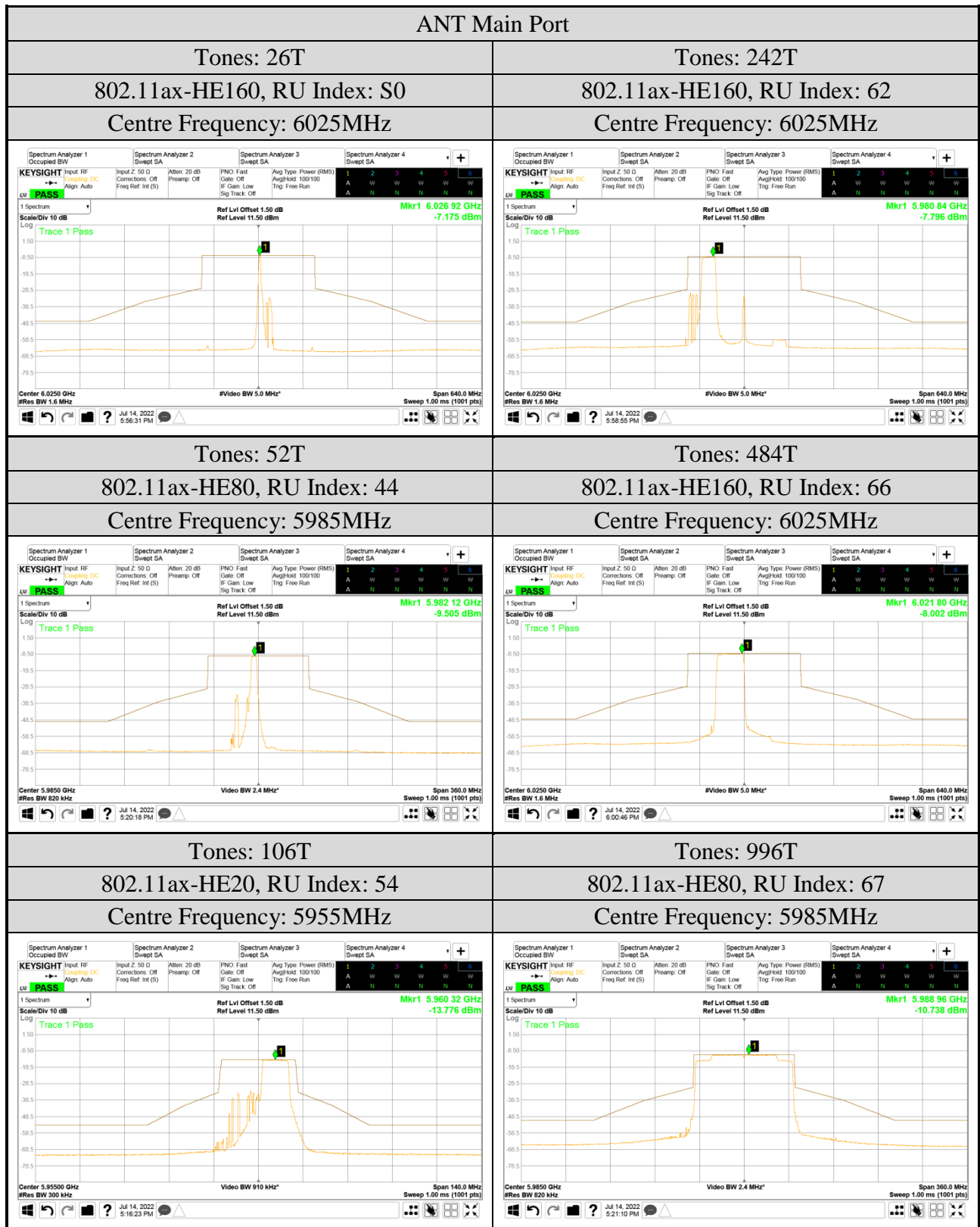


● OFDMA Modulation





A.8 CONTENTION BASED PROTOCOL

Test Date	2022/07/08	Temp./Hum.	26°C/52%
Cable Loss	N/A	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

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)	AWGN Power (dBm)	Min. Antenna Gain (dBi)	Path Loss (dB)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status
802.11ax-HE20	5	6135	6135	-32.00	1.70	-30.00	-63.70	-62	OFF
			6135	-41.00	1.70	-30.00	-72.70	-62	Minimum
			6135	-53.00	1.70	-30.00	-84.70	-62	ON
	6	6455	6455	-32.00	1.70	-30.00	-63.70	-62	OFF
			6455	-47.00	1.70	-30.00	-78.70	-62	Minimum
			6455	-51.00	1.70	-30.00	-82.70	-62	ON
	7	6695	6695	-35.50	1.70	-26.50	-63.70	-62	OFF
			6695	-45.00	1.70	-26.50	-73.20	-62	Minimum
			6695	-51.00	1.70	-26.50	-79.20	-62	ON
	8	7015	7015	-34.50	1.70	-27.50	-63.70	-62	OFF
			7015	-38.50	1.70	-27.50	-67.70	-62	Minimum
			7015	-47.50	1.70	-27.50	-76.70	-62	ON

Note 1: 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.
- Detected level (Adjusted Power) = Injected AWGN Power (dBm) – Antenna Gain (dBi) + Path Loss (dB).

Note 2: The EUT don't support channel puncturing or BW reduction mechanism.

Mode	U-NII Band	EUT Frequency (MHz)	AWGN Frequency (MHz)	AWGN Power (dBm)	Min. Antenna Gain (dBi)	Path Loss (dB)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status
802.11ax-HE160	5	6185	6110	-36.00	1.70	-26.00	-63.70	-62	OFF
			6110	-51.00	1.70	-26.00	-78.70	-62	Minimum
			6110	-52.50	1.70	-26.00	-80.20	-62	ON
			6185	-35.00	1.70	-27.00	-63.70	-62	OFF
			6185	-40.00	1.70	-27.00	-68.70	-62	Minimum
			6185	-47.00	1.70	-27.00	-75.70	-62	ON
			6260	-34.00	1.70	-28.00	-63.70	-62	OFF
			6260	-41.00	1.70	-28.00	-70.70	-62	Minimum
			6260	-45.00	1.70	-28.00	-74.70	-62	ON
	6-7	6505	6430	-31.00	1.70	-31.00	-63.70	-62	OFF
			6430	-46.00	1.70	-31.00	-78.70	-62	Minimum
			6430	-49.00	1.70	-31.00	-81.70	-62	ON
			6505	-36.00	1.70	-26.00	-63.70	-62	OFF
			6505	-43.00	1.70	-26.00	-70.70	-62	Minimum
			6505	-45.00	1.70	-26.00	-72.70	-62	ON
			6580	-36.00	1.70	-26.00	-63.70	-62	OFF
			6580	-41.00	1.70	-26.00	-68.70	-62	Minimum
			6580	-44.00	1.70	-26.00	-71.70	-62	ON
	7	6665	6590	-37.00	1.70	-25.00	-63.70	-62	OFF
			6590	-48.50	1.70	-25.00	-75.20	-62	Minimum
			6590	-51.00	1.70	-25.00	-77.70	-62	ON
			6665	-30.00	1.70	-32.00	-63.70	-62	OFF
			6665	-36.50	1.70	-32.00	-70.20	-62	Minimum
			6665	-39.00	1.70	-32.00	-72.70	-62	ON
			6740	-32.00	1.70	-30.00	-63.70	-62	OFF
			6740	-40.50	1.70	-30.00	-72.20	-62	Minimum
			6740	-42.00	1.70	-30.00	-73.70	-62	ON
	8	6985	6910	-31.00	1.70	-31.00	-63.70	-62	OFF
			6910	-47.00	1.70	-31.00	-79.70	-62	Minimum
			6910	-49.00	1.70	-31.00	-81.70	-62	ON
			6985	-33.50	1.70	-28.50	-63.70	-62	OFF
			6985	-39.00	1.70	-28.50	-69.20	-62	Minimum
			6985	-43.50	1.70	-28.50	-73.70	-62	ON
			7060	-33.00	1.70	-29.00	-63.70	-62	OFF
			7060	-35.50	1.70	-29.00	-66.20	-62	Minimum
			7060	-38.00	1.70	-29.00	-68.70	-62	ON

Note 1: 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.
- Detected level (Adjusted Power) = Injected AWGN Power (dBm) – Antenna Gain (dBi) + Path Loss (dB).

Note 2: The EUT don't support channel puncturing or BW reduction mechanism.

● 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-HE160	5	6185	6110	1	1	1	1	1	1	1	1	1	1	100	90	
		6185	6185	1	1	1	1	1	1	1	1	1	1	100	90	
		6260	6260	1	1	1	1	1	1	1	1	1	1	100	90	
	6-7	6505	6430	1	1	1	1	1	1	1	1	1	1	1	100	90
		6505	6505	1	1	1	1	1	1	1	1	1	1	1	100	90
		6580	6580	1	1	1	1	1	1	1	1	1	1	1	100	90
	7	6665	6590	1	1	1	1	1	1	1	1	1	1	1	100	90
		6665	6665	1	1	1	1	1	1	1	1	1	1	1	100	90
		6740	6740	1	1	1	1	1	1	1	1	1	1	1	100	90
	8	6985	6910	1	1	1	1	1	1	1	1	1	1	1	100	90
		6985	6985	1	1	1	1	1	1	1	1	1	1	1	100	90
		7060	7060	1	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

