

Audix Technology Corp.
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A.8 CONTENTION BASED PROTOCOL

Test Date	2025/09/04~ 10/21	Temp./Hum.	22~23°C/54~66%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Sam Chang

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)	SG Power level (dBm)	Path Loss (dB)	Injected AWGN Power (dBm)	Min. Antenna Gain (Include path loss) (dBi) *Note1	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status
802.11be-EHT20	5	6135	6135	-36	-44.29	-80.29	-1.3	-78.99	-62	OFF
			6135	-49	-44.29	-93.29	-1.3	-91.99	-62	Minimum
			6135	-50	-44.29	-94.29	-1.3	-92.99	-62	ON
	6	6455	6455	-38	-42.42	-80.42	-1.3	-79.12	-62	OFF
			6455	-50	-42.42	-92.42	-1.3	-91.12	-62	Minimum
			6455	-52	-42.42	-94.42	-1.3	-93.12	-62	ON
	7	6695	6695	-36	-40.41	-76.41	-1.3	-75.11	-62	OFF
			6695	-49	-40.41	-89.41	-1.3	-88.11	-62	Minimum
			6695	-50	-40.41	-90.41	-1.3	-89.11	-62	ON
	8	7015	7015	-38	-42.17	-80.17	-1.3	-78.87	-62	OFF
			7015	-51	-42.17	-93.17	-1.3	-91.87	-62	Minimum
			7015	-52	-42.17	-94.17	-1.3	-92.87	-62	ON
802.11be-EHT320	5	6105	5950	-30	-43.89	-73.89	-1.3	-72.59	-62	OFF
			5950	-43	-43.89	-86.89	-1.3	-85.59	-62	Minimum
			5950	-44	-43.89	-87.89	-1.3	-86.59	-62	ON
			6105	-36	-42.30	-78.3	-1.3	-77.00	-62	OFF
			6105	-43	-42.30	-85.3	-1.3	-84.00	-62	Minimum
			6105	-45	-42.30	-87.3	-1.3	-86.00	-62	ON
			6260	-38	-42.72	-80.72	-1.3	-79.42	-62	OFF
			6260	-42	-42.72	-84.72	-1.3	-83.42	-62	Minimum
	5/6/7	6425	6260	-44	-42.72	-86.72	-1.3	-85.42	-62	ON
			6270	-38	-44.63	-82.63	-1.3	-81.33	-62	OFF
			6270	-42	-44.63	-86.63	-1.3	-85.33	-62	Minimum
			6270	-44	-44.63	-88.63	-1.3	-87.33	-62	ON
			6425	-38	-41.92	-79.92	-1.3	-78.62	-62	OFF
			6425	-44	-41.92	-85.92	-1.3	-84.62	-62	Minimum
			6425	-46	-41.92	-87.92	-1.3	-86.62	-62	ON
			6580	-38	-44.11	-82.11	-1.3	-80.81	-62	OFF
	7/8	6745	6580	-42	-44.11	-86.11	-1.3	-84.81	-62	Minimum
			6580	-44	-44.11	-88.11	-1.3	-86.81	-62	ON
			6590	-37	-42.20	-79.20	-1.3	-77.90	-62	OFF
			6590	-43	-42.20	-85.20	-1.3	-83.90	-62	Minimum
			6590	-45	-42.20	-87.20	-1.3	-85.90	-62	ON
			6745	-34	-41.69	-75.69	-1.3	-74.39	-62	OFF
			6745	-42	-41.69	-83.69	-1.3	-82.39	-62	Minimum
			6745	-45	-41.69	-86.69	-1.3	-85.39	-62	ON
	7/8	6905	6900	-38	-42.80	-80.80	-1.3	-79.50	-62	OFF
			6900	-42	-42.80	-84.80	-1.3	-83.50	-62	Minimum
			6900	-45	-42.80	-87.80	-1.3	-86.50	-62	ON
			6750	-33	-42.16	-75.16	-1.3	-73.86	-62	OFF
			6750	-42	-42.16	-84.16	-1.3	-82.86	-62	Minimum
			6750	-43	-42.16	-85.16	-1.3	-83.86	-62	ON
			6905	-36	-41.70	-77.70	-1.3	-76.40	-62	OFF
			6905	-41	-41.70	-82.70	-1.3	-81.40	-62	Minimum
	7/8	6905	6905	-42	-41.70	-83.70	-1.3	-82.40	-62	ON
			7060	-34	-41.81	-75.81	-1.3	-74.51	-62	OFF
			7060	-40	-41.81	-81.81	-1.3	-80.51	-62	Minimum
			7060	-41	-41.81	-82.81	-1.3	-81.51	-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

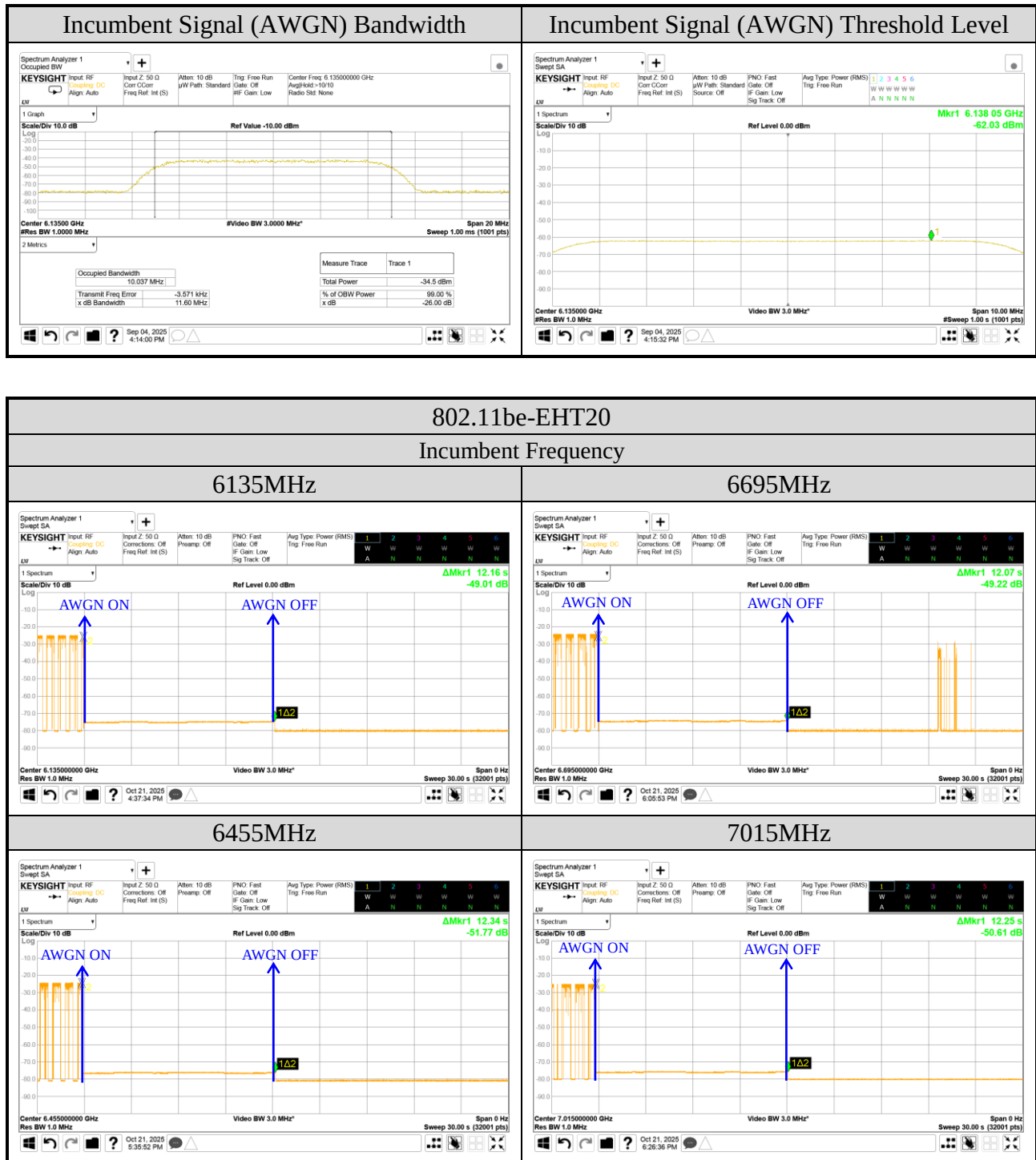
Mode	U-NII Band	Centre Frequency (MHz)	Incumbent Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Possibility (%)	Limit (%)
802.11be-EHT20	5	6135	6135	1	1	1	1	1	1	0	1	1	1	90	90
	6	6455	6455	1	1	0	1	1	1	1	1	1	1	90	90
	7	6695	6695	1	1	1	1	1	1	1	1	1	0	90	90
	8	7015	7015	1	1	0	1	1	1	1	1	1	1	90	90
802.11be-EHT320	5	6105	5950	1	1	1	1	1	0	1	1	1	1	90	90
			6105	1	1	1	0	1	1	1	1	1	1	90	90
			6260	1	1	1	1	1	0	1	1	1	1	90	90
			6270	1	1	1	1	1	0	1	1	1	1	90	90
	5/6/7	6425	6425	1	1	1	1	1	0	1	1	1	1	90	90
			6580	1	0	1	1	1	1	1	1	1	1	90	10
			6590	1	1	1	1	1	1	1	1	0	1	90	90
	7/8	6745	6745	1	1	0	1	1	1	1	1	1	1	90	90
			6900	1	1	0	1	1	1	1	1	1	1	90	90
			6750	1	1	1	1	1	0	1	1	1	1	90	90
	7/8	6905	6905	1	1	1	1	0	1	1	1	1	1	90	90
			7060	1	1	0	1	1	1	1	1	1	1	90	90

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

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A.8.2 Measurement Plots



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