*Audix Technology Corp.*
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# A.8 CONTENTION BASED PROTOCOL

| Test Date | 2022/02/22~ 03/31 | Temp./Hum. | 17~19°C/65~72% |
|---|---|---|---|
| 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
  **The EUT has support two antennas (INPQ and LUXSHARE-ICT), we select the smallest antenna gain to measure.**

| Mode | U-NII Band | Centre Frequency (MHz) | Incumbent Frequency (MHz) | Detected Level (dBm) | Threshold Incumbent Signal (dBm) |
|---|---|---|---|---|---|
| 802.11ax-HE20 | 5 | 6135 | 6135 | -69.6 | -62.0 |
| | 6 | 6455 | 6455 | -72.7 | -62.0 |
| | 7 | 6695 | 6695 | -75.7 | -62.0 |
| | 8 | 7015 | 7015 | -70.1 | -62.0 |
| 802.11ax-HE160 | 5 | 6185 | 6110 | -72.1 | -62.0 |
| | | | 6185 | -71.6 | -62.0 |
| | | | 6260 | -72.6 | -62.0 |
| | 6 | 6505 | 6430 | -78.7 | -62.0 |
| | | | 6505 | -68.2 | -62.0 |
| | | | 6580 | -75.7 | -62.0 |
| | 7 | 6665 | 6590 | -74.7 | -62.0 |
| | | | 6665 | -70.7 | -62.0 |
| | | | 6740 | -72.7 | -62.0 |
| | 8 | 6985 | 6910 | -74.1 | -62.0 |
| | | | 6985 | -69.1 | -62.0 |
| | | | 7060 | -75.6 | -62.0 |

Note: Threshold incumbent signal is referenced to a 0 dBi antenna gain .
Detected level is EUT detect incumbent signal with minimum level.

- 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 | 90 |
| | | | 6260 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 | 90 |
| | 6 | 6505 | 6430 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 | 90 |
| | | | 6505 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 | 90 |
| | | | 6580 | 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 | 100 | 90 |
| | | | 6665 | 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 | 6985 | 6910 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 | 90 |
| | | | 6985 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 100 | 90 |
| | | | 7060 | 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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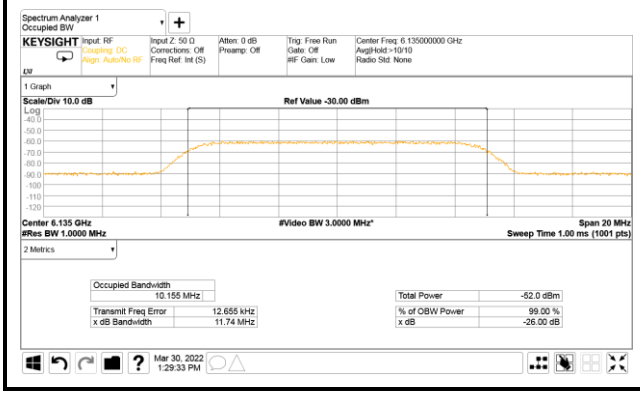
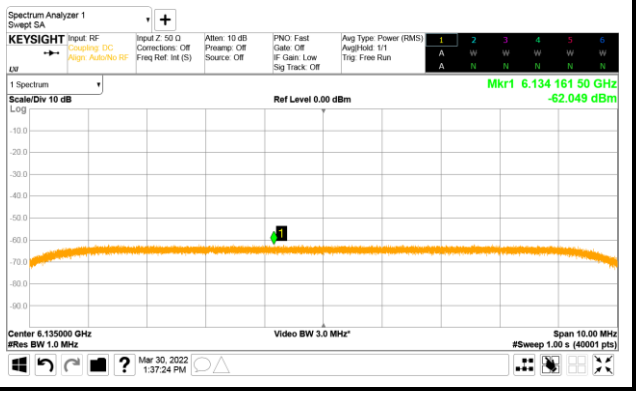
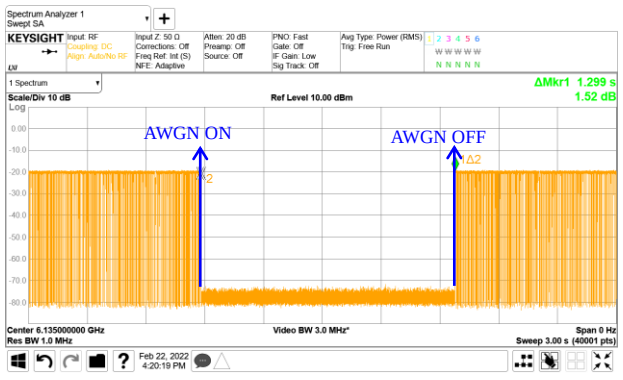
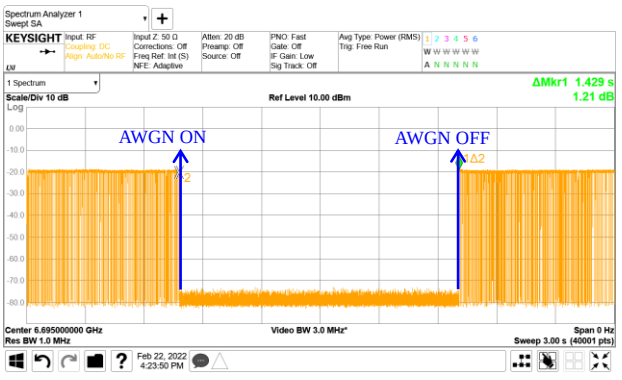
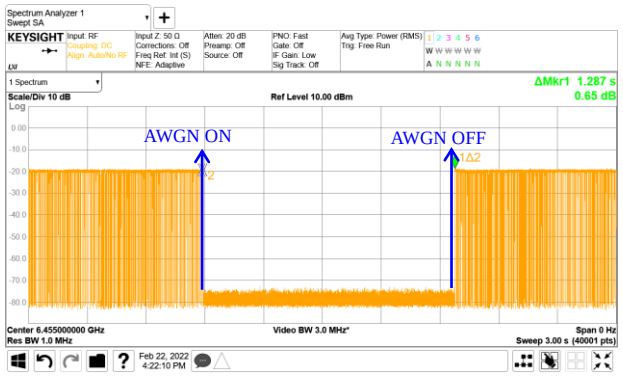
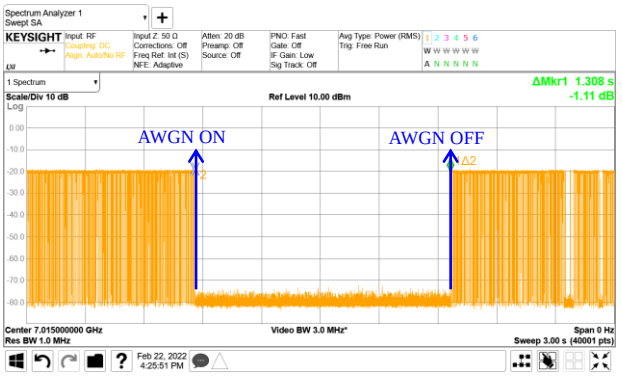
## A.8.2 Measurement Plots

| Incumbent Signal (AWGN) Bandwidth | Incumbent Signal (AWGN) Threshold Level |
|---|---|
|  |  |

| 802.11ax-HE20 | |
|---|---|
| Centre Frequency/Incumbent Signal | |
| 6135MHz | 6695MHz |
|  |  |
| 6455MHz | 7015MHz |
|  |  |

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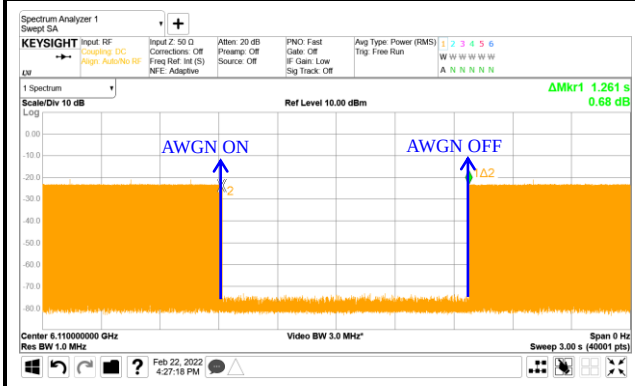
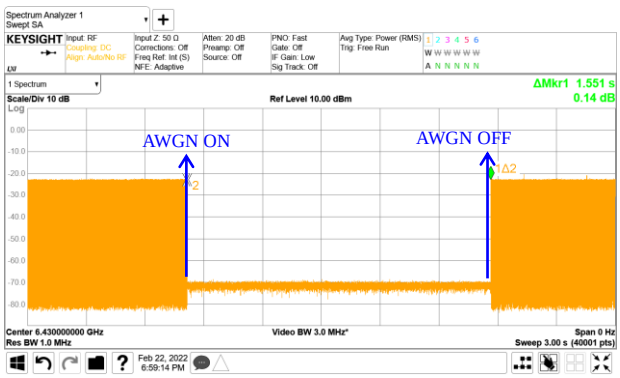
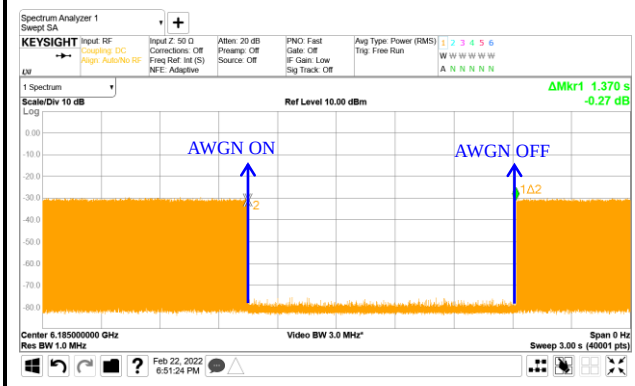
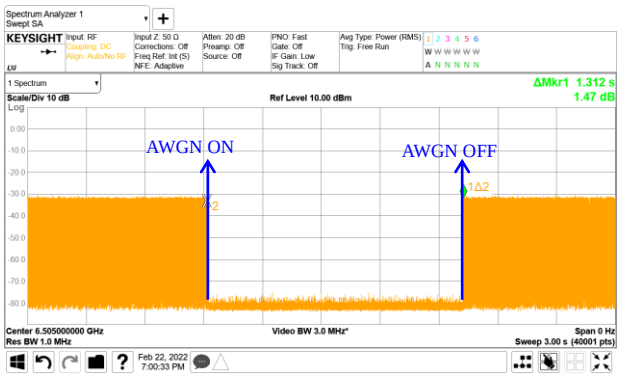
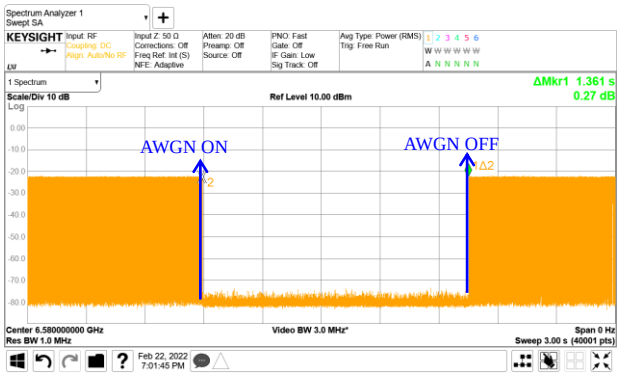
| 802.11ax-HE160 | |
|---|---|
| Centre Frequency: 6185MHz | Centre Frequency: 6505MHz |
| Incumbent Signal | Incumbent Signal |
| 6110MHz | 6430MHz |
|  |  |
| 6185MHz | 6505MHz |
|  |  |
| 6260MHz | 6580MHz |
|  |  |

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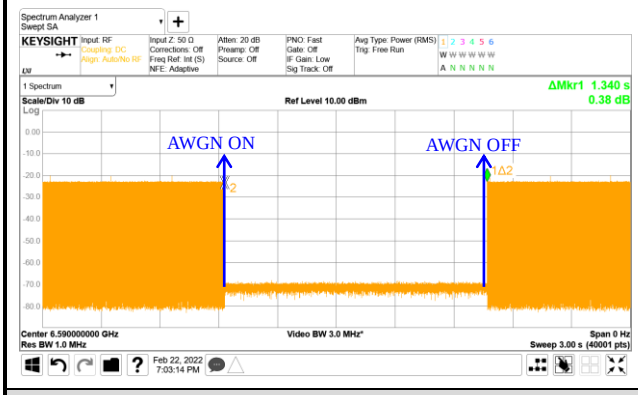
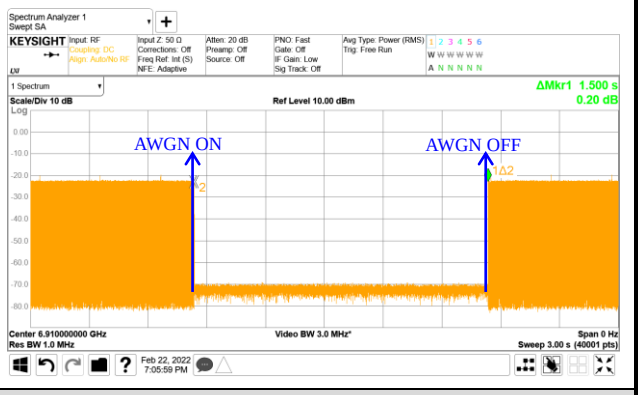
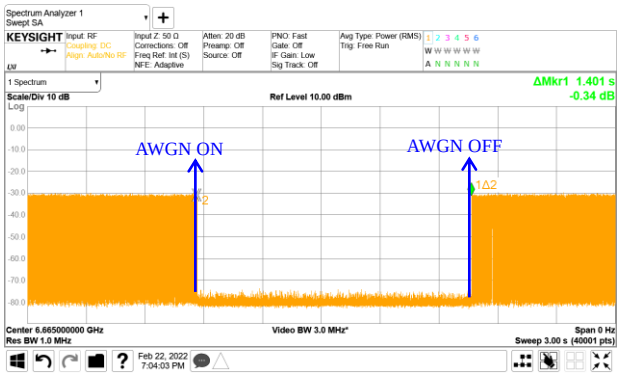
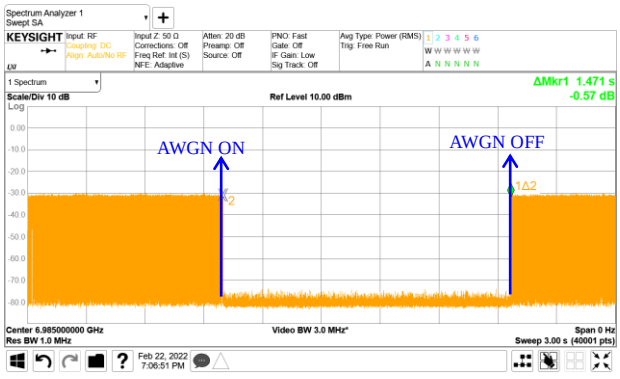
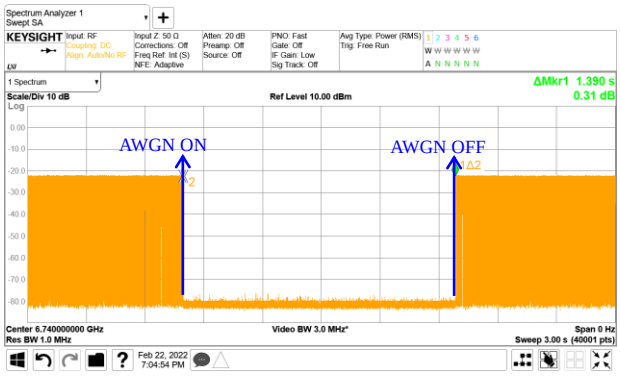
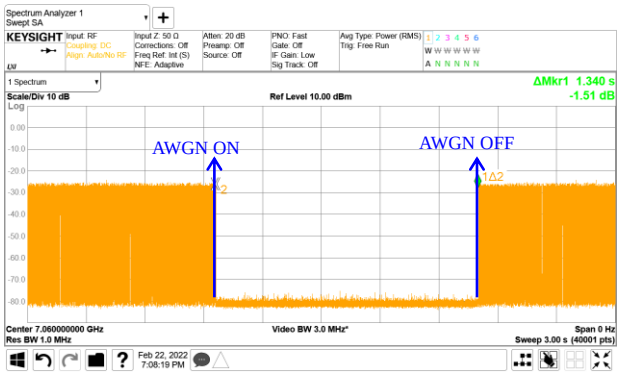
| 802.11ax-HE160 | |
|---|---|
| Centre Frequency/Incumbent Signal | |
| Centre Frequency: 6665MHz | Centre Frequency: 6985MHz |
| Incumbent Signal | Incumbent Signal |
| 6590MHz | 6910MHz |
|  |  |
| 6665MHz | 6985MHz |
|  |  |
| 6740MHz | 7060MHz |
|  |  |