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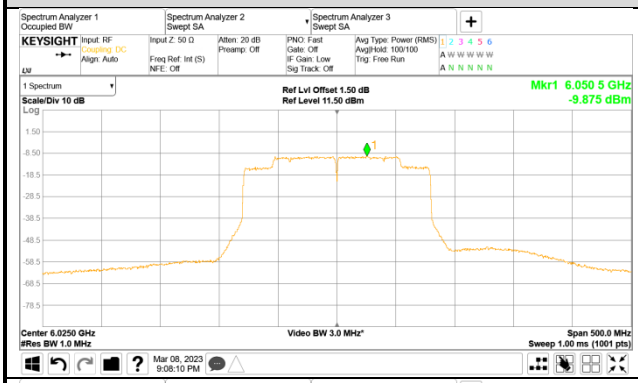
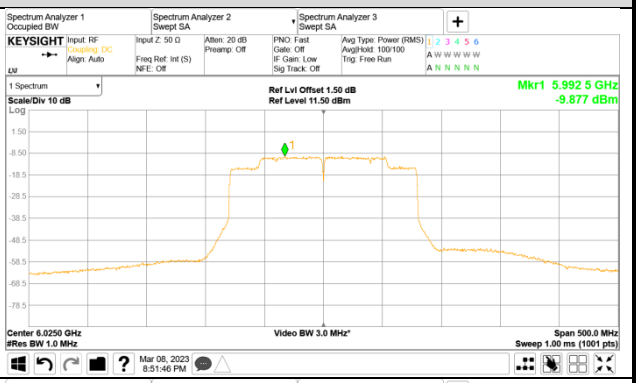
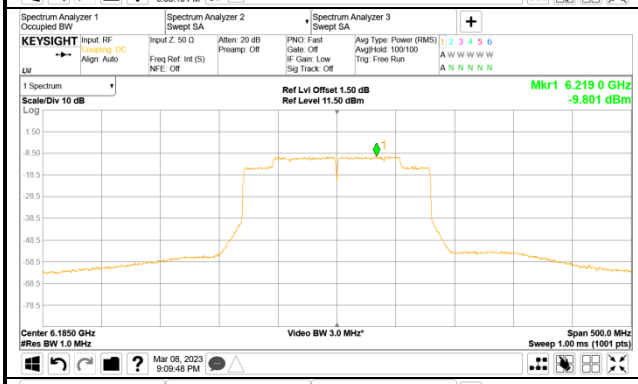
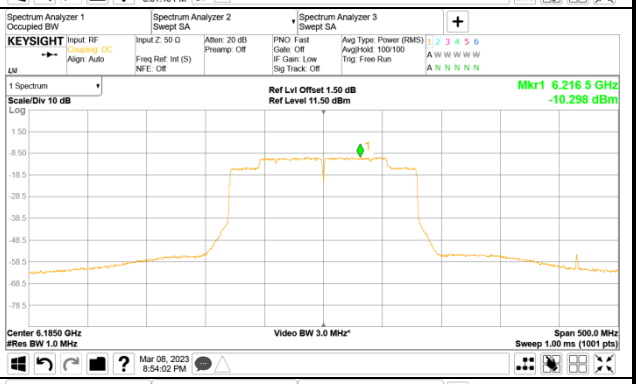
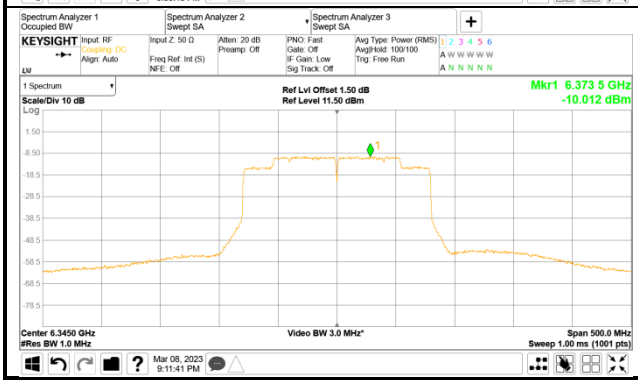
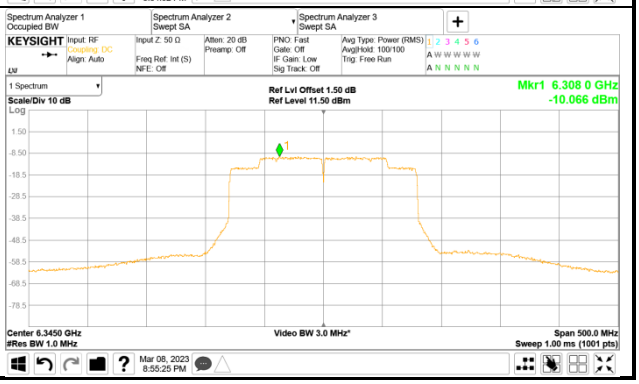
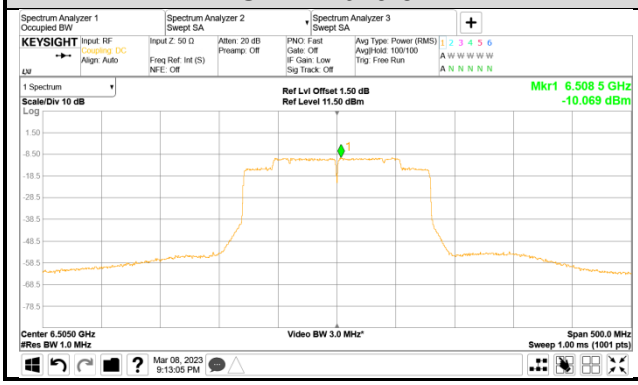
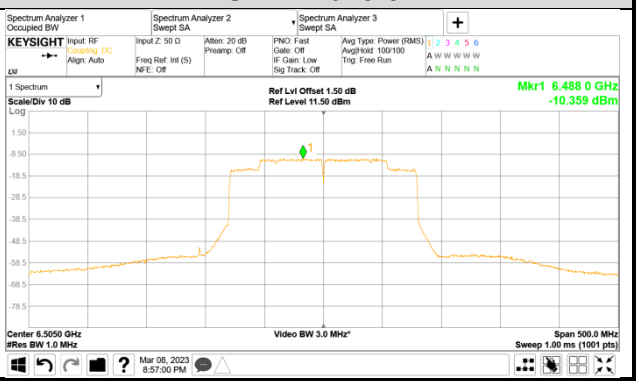
*No. 491, Zhongfu Rd., Linkou Dist.,*
*New Taipei City244, Taiwan*

**Tel: +886 2 26099301**
**Fax: +886 2 26099303**

| Mode: 802.11ax-HE160 | |
|---|---|
| AUX | Main |
| U-NII Band 5 | U-NII Band 5 |
|  |  |
|  |  |
|  |  |

| Mode: 802.11ax-HE160 | |
|---|---|
| AUX | Main |
| U-NII Band 6 | U-NII Band 6 |
|  |  |



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*New Taipei City244, Taiwan*

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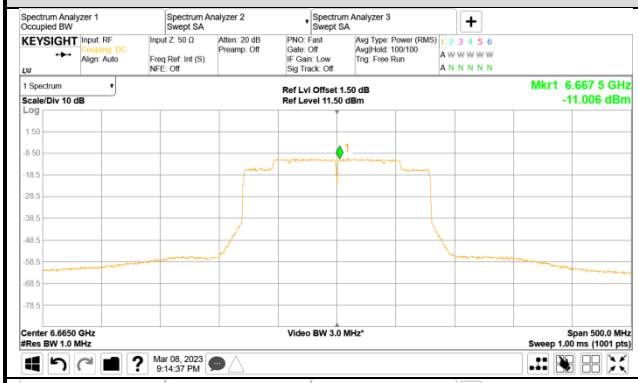
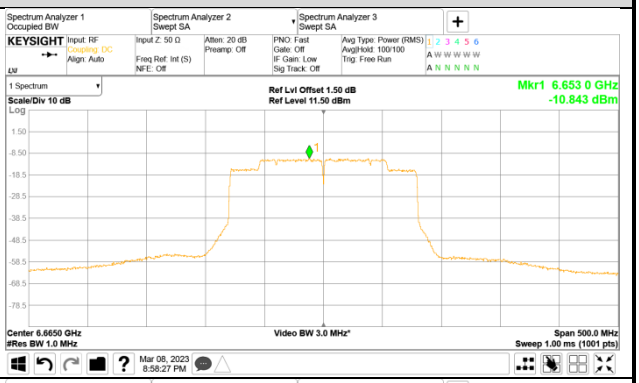
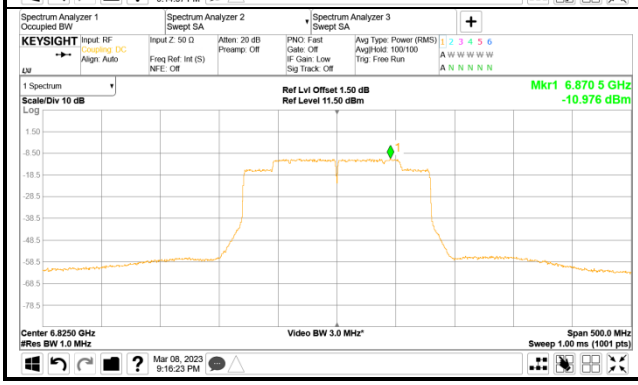
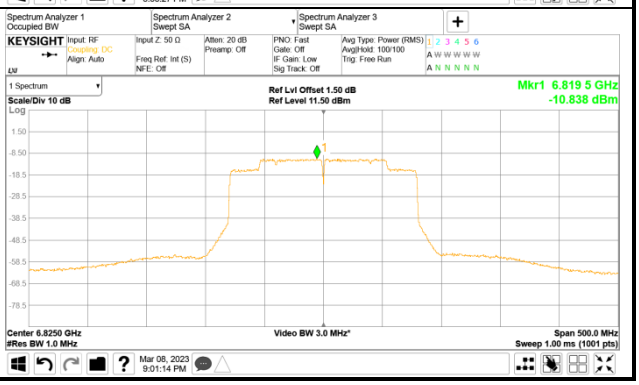
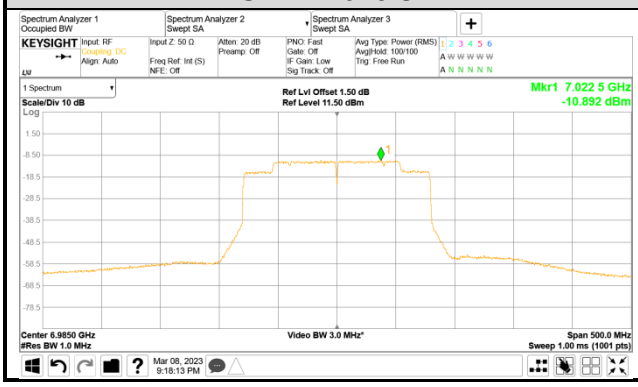
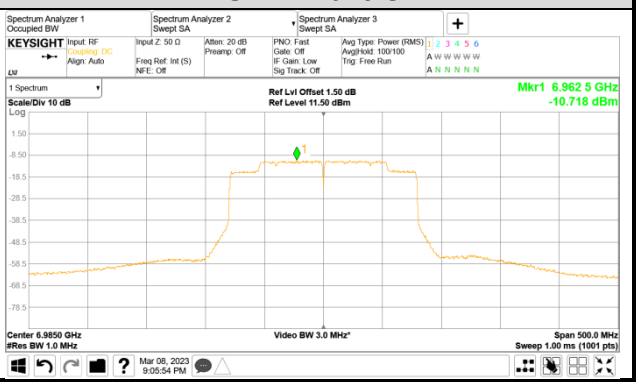
| Mode: 802.11ax-HE160 | |
|---|---|
| AUX | Main |
| U-NII Band 7 | U-NII Band 7 |
|  |  |
|  |  |

| Mode: 802.11ax-HE160 | |
|---|---|
| AUX | Main |
| U-NII Band 8 | U-NII Band 8 |
|  |  |



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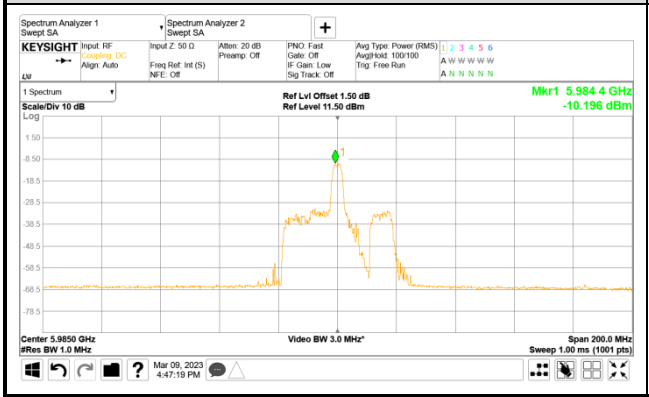
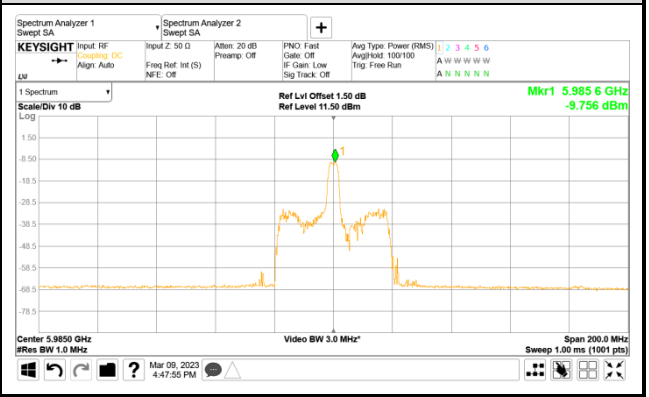
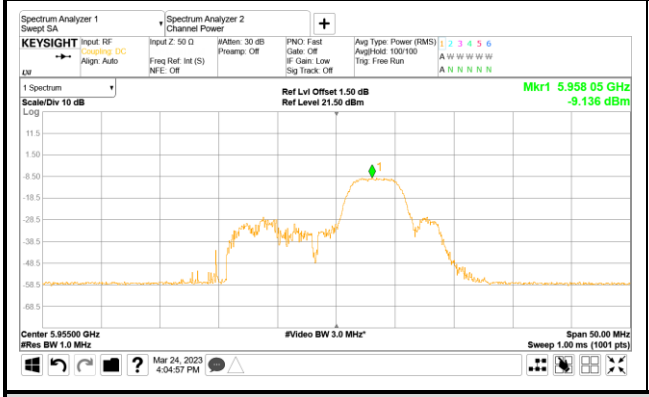
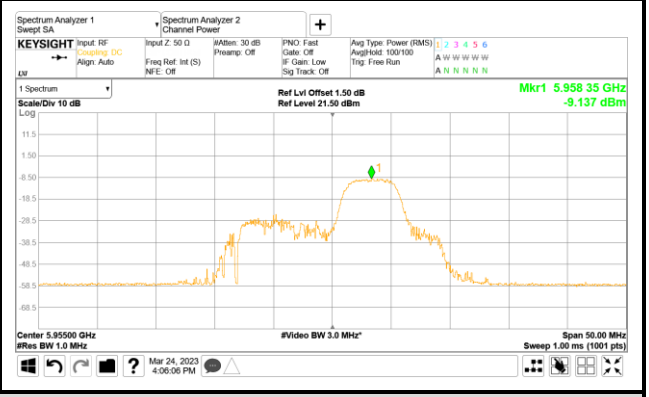
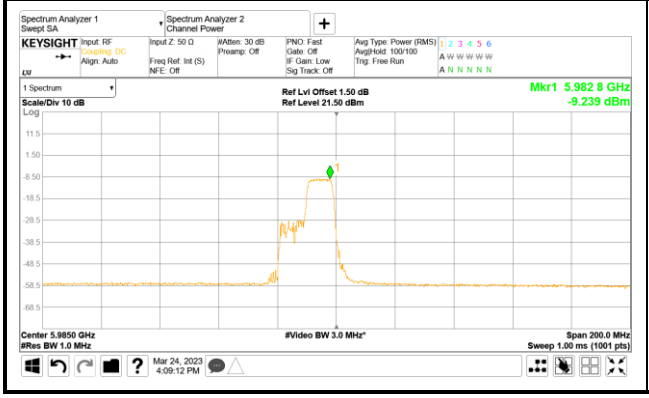
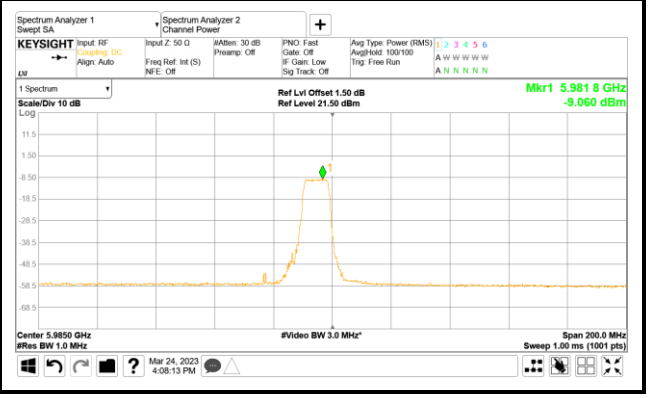
- OFDMA Modulation

| Tones: 26T | |
|---|---|
| 802.11ax-HE80, RU Index: 18 | |
| U-NII Band 5, Centre Frequency:5985MHz | |
| AUX | Main |
|  |  |



| Tones: 52T | |
|---|---|
| 802.11ax-HE20, RU Index: 39 | |
| U-NII Band 5, Centre Frequency: 5955MHz | |
| AUX | Main |
|  |  |



| Tones: 106T | |
|---|---|
| 802.11ax-HE50, RU Index: 56 | |
| U-NII Band 5, Centre Frequency: 5985MHz | |
| AUX | Main |
|  |  |





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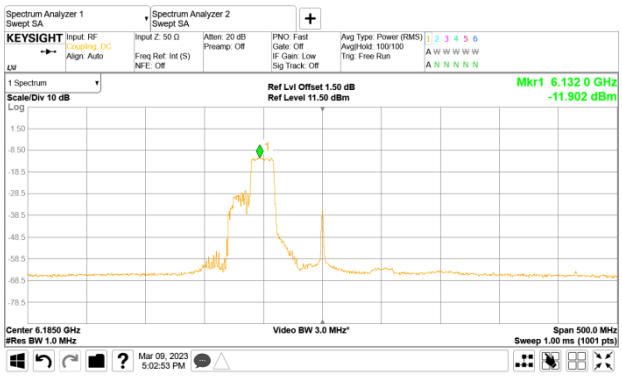
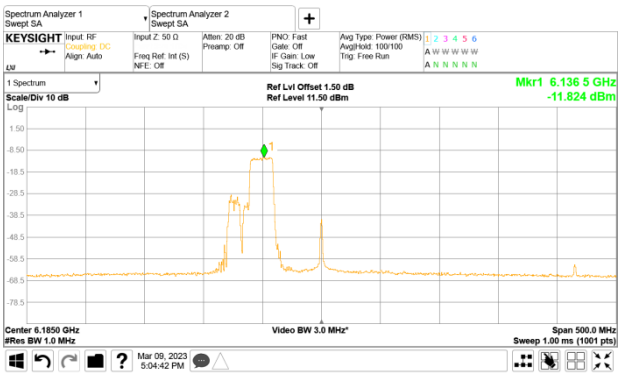
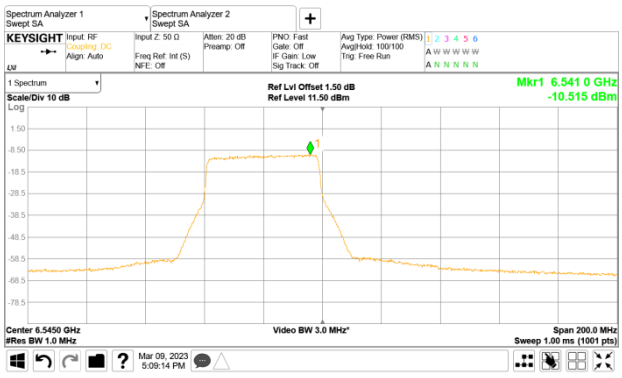
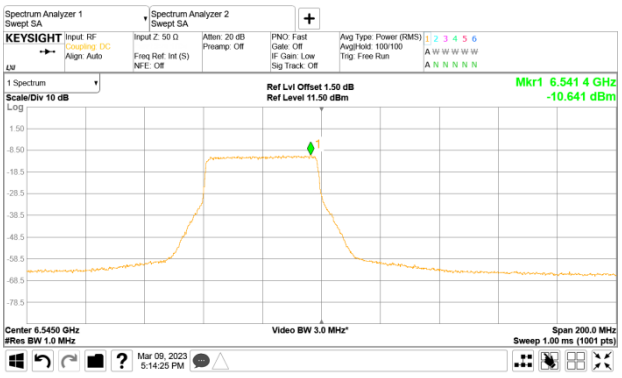
| Tones: 242T | |
|---|---|
| 802.11ax-HE160, RU Index: 62 | |
| U-NII Band 5, Centre Frequency: 6185MHz | |
| AUX | Main |
|  |  |

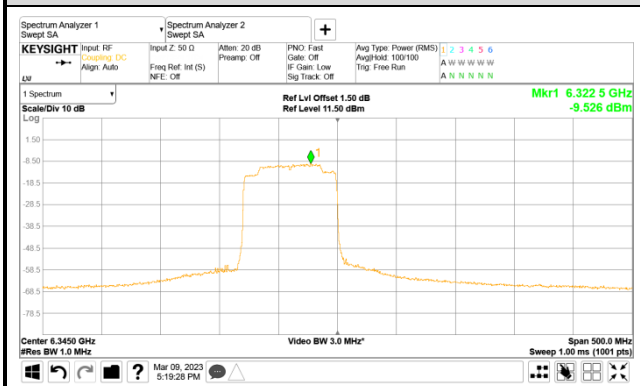
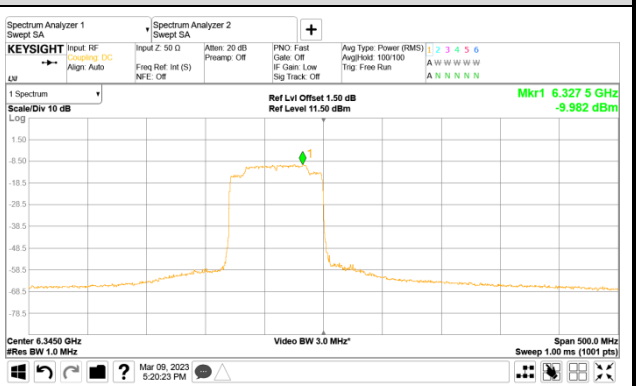




| Tones: 484T | |
|---|---|
| 802.11ax-HE80, RU Index: 65 | |
| U-NII Band 6, Centre Frequency: 6545MHz | |
| AUX | Main |
|  |  |





| Tones: 996T | |
|---|---|
| 802.11ax-HE160, RU Index: 67 | |
| U-NII Band 5, Centre Frequency: 6345MHz | |
| AUX | Main |
|  |  |







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*New Taipei City244, Taiwan*
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# A.4 MAXIMUM CONDUCTED OUTPUT POWER

| | | | |
|---|---|---|---|
| Test Date | 2023/03/07 ~ 24 | Temp./Hum. | 22 ~ 24℃/42 ~ 63% |
| Cable Loss | 1.50dB | Tested By | Sam Chang |
| Test Voltage | AC 120V 60Hz (Via AC Adapter) | | |

## A.4.1 Conducted Output Power Result

- OFDM Modulation

| Modulation Type | U-NII Band | Centre Frequency (MHz) | Average Coneduted Output Power (dBm) | | Duty Cycle Factor (dB) 10log(1/X) | Directional Gain (dBi) Note3 | Total E.I.R.P. (dBm) Note 2 | Limit |
|---|---|---|---|---|---|---|---|---|
| | | | AUX | Main | | | | |
| 802.11ax-HE20 | 5 | 5955 | 1.38 | 1.02 | N/A | 2.13 | 6.34 | 24dBm |
| | | 6175 | 1.31 | 1.05 | | 2.13 | 6.32 | |
| | | 6415 | 1.34 | 1.06 | | 2.10 | 6.31 | |
| | 6 | 6435 | 1.35 | 1.19 | | 2.10 | 6.38 | |
| | | 6475 | 1.39 | 1.37 | | 2.10 | 6.49 | |
| | | 6515 | 1.42 | 1.41 | | 2.10 | 6.53 | |
| | 7 | 6535 | 0.70 | 0.55 | | 2.10 | 5.74 | |
| | | 6695 | 0.62 | -0.40 | | 2.10 | 5.25 | |
| | | 6855 | 0.78 | -0.10 | | 2.36 | 5.73 | |
| | 8 | 6875 | 0.82 | 0.20 | | 2.36 | 5.89 | |
| | | 6995 | 0.58 | 0.13 | | 2.36 | 5.73 | |
| | | 7115 | -3.55 | -3.36 | | 2.36 | 1.92 | |
| 802.11ax-HE40 | 5 | 5965 | 5.42 | 4.92 | N/A | 2.13 | 10.32 | |
| | | 6165 | 5.19 | 4.77 | | 2.13 | 10.13 | |
| | | 6405 | 4.88 | 4.97 | | 2.10 | 10.04 | |
| | 6 | 6445 | 4.95 | 5.29 | | 2.10 | 10.23 | |
| | | 6485 | 5.25 | 5.04 | | 2.10 | 10.26 | |
| | 7 | 6525 | 5.35 | 4.95 | | 2.10 | 10.26 | |
| | | 6685 | 4.34 | 3.81 | | 2.10 | 9.20 | |
| | | 6845 | 4.56 | 3.75 | | 2.36 | 9.54 | |
| | 8 | 6885 | 4.18 | 4.28 | | 2.36 | 9.60 | |
| | | 7005 | 4.28 | 4.00 | | 2.36 | 9.51 | |
| | | 7085 | 4.43 | 4.28 | | 2.36 | 9.73 | |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. According to KDB 662911 D01 E)1), Total E.I.R.P.(dBm) = Sum to individual output power (dBm)+ Directional gain (dBi) + duty cycle factor(dB) when duty cycle is less than 98%.
3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$ dBi
Directional gain:
5925MHz: Directional gain = $10 \log[(10^{2.6/10} + 10^{1.6/10})/2]$= 2.13dBi
6525MHz: Directional gain = $10 \log[(10^{2.2/10} + 10^{2.0/10})/2]$= 2.10dBi
7125MHz: Directional gain = $10 \log[(10^{2.1/10} + 10^{2.6/10})/2]$= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).



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*New Taipei City244, Taiwan*
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| Modulation Type | U-NII Band | Centre Frequency (MHz) | Average Coneduted Output Power (dBm) | | Duty Cycle Factor (dB) 10log(1/X) | Directional Gain (dBi) Note3 | Total E.I.R.P. (dBm) Note 2 | Limit |
|---|---|---|---|---|---|---|---|---|
| | | | AUX | Main | | | | |
| 802.11ax-HE80 | 5 | 5985 | 7.12 | 7.06 | N/A | 2.13 | 12.23 | 24dBm |
| | | 6145 | 6.93 | 6.89 | | 2.13 | 12.05 | |
| | | 6385 | 7.13 | 7.06 | | 2.10 | 12.21 | |
| | 6 | 6465 | 7.16 | 7.29 | | 2.10 | 12.34 | |
| | | 6545 | 6.86 | 6.64 | | 2.10 | 11.86 | |
| | 7 | 6625 | 5.93 | 5.65 | | 2.10 | 10.90 | |
| | | 6705 | 5.78 | 5.60 | | 2.10 | 10.80 | |
| | | 6785 | 5.63 | 5.74 | | 2.10 | 10.80 | |
| | 8 | 6865 | 5.84 | 5.86 | | 2.36 | 11.22 | |
| | | 6945 | 6.23 | 6.13 | | 2.36 | 11.55 | |
| | | 7025 | 6.19 | 6.15 | | 2.36 | 11.54 | |
| 802.11ax-HE160 | 5 | 6025 | 10.42 | 10.29 | N/A | 2.13 | 15.50 | |
| | | 6185 | 10.38 | 10.18 | | 2.13 | 15.42 | |
| | | 6345 | 10.50 | 10.23 | | 2.10 | 15.48 | |
| | 6 | 6505 | 10.30 | 9.98 | | 2.10 | 15.25 | |
| | 7 | 6665 | 9.30 | 9.28 | | 2.10 | 14.40 | |
| | | 6825 | 9.24 | 9.14 | | 2.36 | 14.56 | |
| | 8 | 6985 | 9.50 | 9.53 | | 2.36 | 14.89 | |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. According to KDB 662911 D01 E)1), Total E.I.R.P.(dBm) = Sum to individual output power (dBm)+ Directional gain (dBi) + duty cycle factor(dB) when duty cycle is less than 98%.
3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$ dBi
Directional gain:
5925MHz: Directional gain = $10 \log[(10^{2.6/10} + 10^{1.6/10})/2]$= 2.13dBi
6525MHz: Directional gain = $10 \log[(10^{2.2/10} + 10^{2.0/10})/2]$= 2.10dBi
7125MHz: Directional gain = $10 \log[(10^{2.1/10} + 10^{2.6/10})/2]$= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).



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*New Taipei City244, Taiwan*
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- OFDMA Modulation

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 0 | | | RU Index 4 | | | RU Index 8 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE20 | 5 | 5955 | 26T | -5.77 | -5.53 | 0.223 | -5.86 | -5.57 | 0.223 | -5.76 | -6.05 | 0.223 | 2.13 | -0.29 |
| | | 6175 | | -7.44 | -7.66 | 0.223 | -6.85 | -7.15 | 0.223 | -7.12 | -7.36 | 0.223 | 2.13 | -1.63 |
| | | 6415 | | -7.68 | -8.15 | 0.223 | -7.61 | -7.99 | 0.223 | -8.01 | -8.29 | 0.223 | 2.10 | -2.46 |
| | 6 | 6435 | | -7.32 | -8.02 | 0.223 | -7.54 | -7.73 | 0.223 | -7.60 | -8.06 | 0.223 | 2.10 | -2.30 |
| | | 6475 | | -7.77 | -8.20 | 0.223 | -7.79 | -7.71 | 0.223 | -7.76 | -8.20 | 0.223 | 2.10 | -2.42 |
| | | 6515 | | -7.90 | -7.96 | 0.223 | -7.68 | -7.81 | 0.223 | -8.05 | -8.23 | 0.223 | 2.10 | -2.41 |
| | 7 | 6535 | | -8.49 | -8.94 | 0.223 | -8.80 | -8.93 | 0.223 | -9.12 | -8.95 | 0.223 | 2.10 | -3.38 |
| | | 6695 | | -9.13 | -9.09 | 0.223 | -8.89 | -8.80 | 0.223 | -9.58 | -8.91 | 0.223 | 2.10 | -3.51 |
| | | 6855 | | -8.86 | -8.31 | 0.223 | -8.68 | -8.45 | 0.223 | -8.75 | -8.36 | 0.223 | 2.36 | -2.96 |
| | 8 | 6875 | | -9.25 | -8.72 | 0.223 | -9.04 | -8.18 | 0.223 | -9.35 | -8.78 | 0.223 | 2.36 | -3.00 |
| | | 6995 | | -8.14 | -7.74 | 0.223 | -7.92 | -7.49 | 0.223 | -7.82 | -7.79 | 0.223 | 2.36 | -2.11 |
| | | 7115 | | -7.77 | -7.35 | 0.223 | -7.61 | -7.24 | 0.223 | -7.89 | -7.29 | 0.223 | 2.36 | -1.83 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 0 | | | RU Index 8 | | | RU Index 17 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE40 | 5 | 5965 | 26T | -6.19 | -5.74 | 0.223 | -5.96 | -5.87 | 0.223 | -6.11 | -5.73 | 0.223 | 2.13 | -0.55 |
| | | 6165 | | -6.83 | -7.07 | 0.223 | -6.97 | -7.39 | 0.223 | -6.92 | -7.64 | 0.223 | 2.13 | -1.59 |
| | | 6405 | | -7.43 | -7.88 | 0.223 | -7.49 | -7.75 | 0.223 | -7.67 | -8.12 | 0.223 | 2.10 | -2.28 |
| | 6 | 6445 | | -7.67 | -7.90 | 0.223 | -8.03 | -8.00 | 0.223 | -7.61 | -7.98 | 0.223 | 2.10 | -2.45 |
| | | 6485 | | -7.62 | -7.80 | 0.223 | -8.00 | -7.85 | 0.223 | -7.94 | -8.19 | 0.223 | 2.10 | -2.38 |
| | 7 | 6525 | | -8.18 | -7.89 | 0.223 | -8.23 | -8.26 | 0.223 | -8.01 | -8.19 | 0.223 | 2.10 | -2.70 |
| | | 6685 | | -9.12 | -8.84 | 0.223 | -9.16 | -9.05 | 0.223 | -9.10 | -9.03 | 0.223 | 2.10 | -3.64 |
| | | 6845 | | -8.51 | -8.22 | 0.223 | -8.81 | -8.31 | 0.223 | -8.99 | -8.74 | 0.223 | 2.36 | -2.77 |
| | 8 | 6885 | | -9.07 | -8.42 | 0.223 | -9.27 | -8.88 | 0.223 | -9.29 | -8.78 | 0.223 | 2.36 | -3.14 |
| | | 7005 | | -7.89 | -7.88 | 0.223 | -8.20 | -8.17 | 0.223 | -8.29 | -8.14 | 0.223 | 2.36 | -2.29 |
| | | 7085 | | -7.34 | -7.17 | 0.223 | -7.83 | -7.44 | 0.223 | -8.73 | -8.37 | 0.223 | 2.36 | -1.66 |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. EIRP limit is 24dBm
3. Duty cycle factor is not applicable for duty cycle > 98%.
4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$ dBi
Directional gain:
5925MHz: Directional gain = $10 \log[(10^{2.6/10} + 10^{1.6/10})/2]$= 2.13dBi
6525MHz: Directional gain = $10 \log[(10^{2.2/10} + 10^{2.0/10})/2]$= 2.10dBi
7125MHz: Directional gain = $10 \log[(10^{2.1/10} + 10^{2.6/10})/2]$= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).



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**Audix Technology Corp.**
*No. 491, Zhongfu Rd., Linkou Dist.,*
*New Taipei City244, Taiwan*
**Tel: +886 2 26099301**
**Fax: +886 2 26099303**

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 0 | | | RU Index 18 | | | RU Index 36 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE80 | 5 | 5985 | 26T | -6.16 | -5.39 | 0.223 | -5.25 | -5.00 | 0.223 | -6.12 | -6.04 | 0.223 | 2.13 | 0.24 |
| | | 6145 | | -6.78 | -7.11 | 0.223 | -6.70 | -6.82 | 0.223 | -7.62 | -7.25 | 0.223 | 2.13 | -1.40 |
| | | 6385 | | -7.49 | -7.81 | 0.223 | -7.31 | -7.04 | 0.223 | -8.14 | -8.16 | 0.223 | 2.10 | -1.84 |
| | 6 | 6465 | | -8.15 | -7.83 | 0.223 | -7.66 | -7.42 | 0.223 | -8.20 | -8.23 | 0.223 | 2.10 | -2.21 |
| | | 6545 | | -8.10 | -8.30 | 0.223 | -8.15 | -7.66 | 0.223 | -9.03 | -8.85 | 0.223 | 2.10 | -2.56 |
| | 7 | 6625 | | -9.77 | -8.85 | 0.223 | -8.75 | -8.10 | 0.223 | -9.87 | -9.06 | 0.223 | 2.10 | -3.08 |
| | | 6705 | | -9.54 | -8.80 | 0.223 | -9.25 | -8.11 | 0.223 | -9.74 | -8.64 | 0.223 | 2.10 | -3.31 |
| | | 6785 | | -8.64 | -8.47 | 0.223 | -8.29 | -7.87 | 0.223 | -9.16 | -8.37 | 0.223 | 2.10 | -2.74 |
| | 8 | 6865 | | -9.19 | -8.39 | 0.223 | -8.42 | -8.14 | 0.223 | -9.54 | -9.18 | 0.223 | 2.36 | -2.68 |
| | | 6945 | | -7.81 | -7.10 | 0.223 | -7.20 | -6.93 | 0.223 | -8.34 | -7.92 | 0.223 | 2.36 | -1.47 |
| | | 7025 | | -8.41 | -7.85 | 0.223 | -7.92 | -7.40 | 0.223 | -8.81 | -8.42 | 0.223 | 2.36 | -2.06 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 0 | | | RU Index 18 | | | RU Index 36 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE160 (80L) | 5 | 6025 | 26T | -7.65 | -7.82 | 0.223 | -6.37 | -6.37 | 0.223 | -6.29 | -5.69 | 0.223 | 2.13 | -0.62 |
| | | 6185 | | -8.90 | -8.25 | 0.223 | -7.45 | -7.26 | 0.223 | -7.25 | -7.31 | 0.223 | 2.13 | -1.92 |
| | | 6345 | | -9.53 | -8.67 | 0.223 | -8.17 | -7.36 | 0.223 | -7.76 | -7.09 | 0.223 | 2.10 | -2.08 |
| | 6 | 6505 | | -9.35 | -9.45 | 0.223 | -8.54 | -8.32 | 0.223 | -7.94 | -7.74 | 0.223 | 2.10 | -2.51 |
| | 7 | 6665 | | -10.40 | -10.68 | 0.223 | -9.24 | -9.40 | 0.223 | -8.80 | -9.19 | 0.223 | 2.10 | -3.66 |
| | | 6825 | | -10.09 | -10.39 | 0.223 | -8.60 | -8.79 | 0.223 | -8.09 | -8.28 | 0.223 | 2.36 | -2.59 |
| | 8 | 6985 | | -9.31 | -9.20 | 0.223 | -8.08 | -8.15 | 0.223 | -7.68 | -7.50 | 0.223 | 2.36 | -2.00 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index S0 | | | RU Index S18 | | | RU Index S36 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE160 (80H) | 5 | 6025 | 26T | -6.07 | -5.82 | 0.223 | -6.60 | -6.34 | 0.223 | -8.44 | -7.82 | 0.223 | 2.13 | -0.58 |
| | | 6185 | | -7.14 | -7.20 | 0.223 | -8.09 | -7.40 | 0.223 | -9.21 | -9.34 | 0.223 | 2.13 | -1.81 |
| | | 6345 | | -7.74 | -7.29 | 0.223 | -8.22 | -7.51 | 0.223 | -9.77 | -9.34 | 0.223 | 2.10 | -2.18 |
| | 6 | 6505 | | -8.01 | -7.70 | 0.223 | -8.91 | -8.59 | 0.223 | -10.55 | -10.27 | 0.223 | 2.10 | -2.52 |
| | 7 | 6665 | | -8.75 | -9.28 | 0.223 | -9.10 | -9.61 | 0.223 | -10.46 | -10.97 | 0.223 | 2.10 | -3.67 |
| | | 6825 | | -7.89 | -8.46 | 0.223 | -8.62 | -9.28 | 0.223 | -10.54 | -10.87 | 0.223 | 2.36 | -2.57 |
| | 8 | 6985 | | -7.71 | -8.01 | 0.223 | -8.62 | -8.36 | 0.223 | -10.07 | -10.15 | 0.223 | 2.36 | -2.26 |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. EIRP limit is 24dBm
3. Duty cycle factor is not applicable for duty cycle > 98%.
4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = 10 log[$(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}$] dBi
Directional gain:
5925MHz: Directional gain = 10 log[$(10^{2.6/10} + 10^{1.6/10})/2$]= 2.13dBi
6525MHz: Directional gain = 10 log[$(10^{2.2/10} + 10^{2.0/10})/2$]= 2.10dBi
7125MHz: Directional gain = 10 log[$(10^{2.1/10} + 10^{2.6/10})/2$]= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).



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**Audix Technology Corp.**
*No. 491, Zhongfu Rd., Linkou Dist.,*
*New Taipei City244, Taiwan*
**Tel: +886 2 26099301**
**Fax: +886 2 26099303**

## Tones: 52T

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 37 | | | RU Index 39 | | | RU Index 40 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE20 | 5 | 5955 | 52T | -2.71 | -2.53 | 0.119 | -2.61 | -2.61 | 0.119 | -2.43 | -2.85 | 0.119 | 2.13 | 2.65 |
| | | 6175 | | -3.56 | -4.44 | 0.119 | -3.81 | -4.18 | 0.119 | -4.14 | -4.36 | 0.119 | 2.13 | 1.28 |
| | | 6415 | | -3.94 | -4.53 | 0.119 | -4.24 | -4.85 | 0.119 | -4.34 | -4.74 | 0.119 | 2.10 | 1.00 |
| | 6 | 6435 | | -4.56 | -4.86 | 0.119 | -4.42 | -4.76 | 0.119 | -4.37 | -4.52 | 0.119 | 2.10 | 0.78 |
| | | 6475 | | -4.71 | -4.76 | 0.119 | -4.47 | -4.89 | 0.119 | -4.76 | -4.79 | 0.119 | 2.10 | 0.55 |
| | | 6515 | | -4.93 | -4.73 | 0.119 | -4.76 | -4.81 | 0.119 | -4.89 | -5.18 | 0.119 | 2.10 | 0.44 |
| | 7 | 6535 | | -5.55 | -5.70 | 0.119 | -5.51 | -5.91 | 0.119 | -5.66 | -5.88 | 0.119 | 2.10 | -0.40 |
| | | 6695 | | -5.91 | -5.39 | 0.119 | -5.93 | -5.36 | 0.119 | -5.74 | -5.57 | 0.119 | 2.10 | -0.41 |
| | | 6855 | | -5.51 | -5.07 | 0.119 | -5.36 | -5.05 | 0.119 | -5.79 | -5.57 | 0.119 | 2.36 | 0.29 |
| | 8 | 6875 | | -5.77 | -5.47 | 0.119 | -5.85 | -5.18 | 0.119 | -5.94 | -5.26 | 0.119 | 2.36 | -0.01 |
| | | 6995 | | -5.04 | -4.63 | 0.119 | -4.63 | -4.75 | 0.119 | -5.03 | -4.59 | 0.119 | 2.36 | 0.80 |
| | | 7115 | | -4.31 | -4.43 | 0.119 | -4.29 | -4.19 | 0.119 | -8.49 | -8.25 | 0.119 | 2.36 | 1.25 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 37 | | | RU Index 40 | | | RU Index 44 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE40 | 5 | 5965 | 52T | -3.05 | -2.38 | 0.119 | -3.01 | -2.80 | 0.119 | -2.74 | -2.80 | 0.119 | 2.13 | 2.56 |
| | | 6165 | | -3.86 | -4.15 | 0.119 | -3.75 | -4.39 | 0.119 | -3.93 | -4.17 | 0.119 | 2.13 | 1.26 |
| | | 6405 | | -4.25 | -4.69 | 0.119 | -4.12 | -4.73 | 0.119 | -4.30 | -5.08 | 0.119 | 2.10 | 0.82 |
| | 6 | 6445 | | -4.42 | -4.53 | 0.119 | -4.58 | -4.67 | 0.119 | -4.50 | -5.00 | 0.119 | 2.10 | 0.75 |
| | | 6485 | | -4.85 | -5.12 | 0.119 | -4.59 | -4.90 | 0.119 | -4.70 | -5.08 | 0.119 | 2.10 | 0.49 |
| | 7 | 6525 | | -5.76 | -5.78 | 0.119 | -5.66 | -5.97 | 0.119 | -5.84 | -5.87 | 0.119 | 2.10 | -0.54 |
| | | 6685 | | -5.85 | -5.47 | 0.119 | -6.01 | -5.51 | 0.119 | -6.22 | -5.54 | 0.119 | 2.10 | -0.43 |
| | | 6845 | | -5.74 | -5.39 | 0.119 | -5.63 | -5.17 | 0.119 | -6.04 | -5.37 | 0.119 | 2.36 | 0.10 |
| | 8 | 6885 | | -5.90 | -5.43 | 0.119 | -5.99 | -5.61 | 0.119 | -5.96 | -5.75 | 0.119 | 2.36 | -0.17 |
| | | 7005 | | -5.04 | -4.80 | 0.119 | -4.85 | -4.78 | 0.119 | -5.04 | -4.85 | 0.119 | 2.36 | 0.67 |
| | | 7085 | | -4.64 | -4.24 | 0.119 | -4.67 | -4.38 | 0.119 | -4.61 | -4.57 | 0.119 | 2.36 | 1.05 |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. EIRP limit is 24dBm
3. Duty cycle factor is not applicable for duty cycle > 98%.
4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = 10 log[($10^{G1/10}$ + $10^{G2/10}$ + … + $10^{GN/10}$)/$N_{ANT}$] dBi
Directional gain:
5925MHz: Directional gain = 10 log[($10^{2.6/10}$ +$10^{1.6/10}$)/2]= 2.13dBi
6525MHz: Directional gain = 10 log[($10^{2.2/10}$ +$10^{2.0/10}$)/2]= 2.10dBi
7125MHz: Directional gain = 10 log[($10^{2.1/10}$ +$10^{2.6/10}$)/2]= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).



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**Audix Technology Corp.**
*No. 491, Zhongfu Rd., Linkou Dist.,*
*New Taipei City244, Taiwan*

**Tel: +886 2 26099301**
**Fax: +886 2 26099303**

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 37 | | | RU Index 44 | | | RU Index 52 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE80 | 5 | 5985 | 52T | -2.52 | -3.06 | 0.119 | -2.33 | -2.42 | 0.119 | -3.06 | -3.19 | 0.119 | 2.13 | 2.88 |
| | | 6145 | | -4.02 | -3.84 | 0.119 | -3.68 | -3.64 | 0.119 | -4.49 | -4.29 | 0.119 | 2.13 | 1.60 |
| | | 6385 | | -4.87 | -4.57 | 0.119 | -4.57 | -4.19 | 0.119 | -5.35 | -5.18 | 0.119 | 2.10 | 0.85 |
| | 6 | 6465 | | -4.86 | -5.04 | 0.119 | -4.42 | -4.83 | 0.119 | -5.10 | -5.54 | 0.119 | 2.10 | 0.61 |
| | | 6545 | | -5.19 | -5.52 | 0.119 | -4.90 | -5.32 | 0.119 | -5.42 | -5.81 | 0.119 | 2.10 | 0.12 |
| | 7 | 6625 | | -5.95 | -6.41 | 0.119 | -5.54 | -6.26 | 0.119 | -5.75 | -6.89 | 0.119 | 2.10 | -0.66 |
| | | 6705 | | -6.09 | -6.71 | 0.119 | -5.52 | -6.63 | 0.119 | -5.74 | -7.08 | 0.119 | 2.10 | -0.81 |
| | | 6785 | | -5.33 | -6.17 | 0.119 | -4.96 | -5.56 | 0.119 | -5.34 | -6.51 | 0.119 | 2.10 | -0.02 |
| | 8 | 6865 | | -5.35 | -6.51 | 0.119 | -5.02 | -6.19 | 0.119 | -5.84 | -6.71 | 0.119 | 2.36 | -0.08 |
| | | 6945 | | -4.96 | -5.40 | 0.119 | -4.12 | -4.70 | 0.119 | -4.75 | -5.46 | 0.119 | 2.36 | 1.09 |
| | | 7025 | | -5.17 | -5.77 | 0.119 | -4.98 | -5.35 | 0.119 | -5.20 | -5.92 | 0.119 | 2.36 | 0.33 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 37 | | | RU Index 44 | | | RU Index 52 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE160 (80L) | 5 | 6025 | 52T | -4.39 | -4.51 | 0.119 | -3.10 | -3.12 | 0.119 | -2.65 | -2.83 | 0.119 | 2.13 | 2.52 |
| | | 6185 | | -5.49 | -5.21 | 0.119 | -4.63 | -4.10 | 0.119 | -4.07 | -3.79 | 0.119 | 2.13 | 1.33 |
| | | 6345 | | -6.01 | -5.41 | 0.119 | -5.08 | -4.43 | 0.119 | -4.41 | -3.81 | 0.119 | 2.10 | 1.13 |
| | 6 | 6505 | | -6.35 | -6.24 | 0.119 | -5.11 | -5.42 | 0.119 | -5.07 | -4.91 | 0.119 | 2.10 | 0.24 |
| | 7 | 6665 | | -7.37 | -7.56 | 0.119 | -5.99 | -6.40 | 0.119 | -5.45 | -6.28 | 0.119 | 2.10 | -0.62 |
| | | 6825 | | -6.91 | -7.21 | 0.119 | -5.45 | -5.93 | 0.119 | -4.99 | -5.77 | 0.119 | 2.36 | 0.13 |
| | 8 | 6985 | | -5.69 | -6.22 | 0.119 | -5.08 | -5.03 | 0.119 | -4.46 | -4.93 | 0.119 | 2.36 | 0.80 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index S37 | | | RU Index S44 | | | RU Index S52 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE160 (80H) | 5 | 6025 | 52T | -2.89 | -2.62 | 0.119 | -3.39 | -3.49 | 0.119 | -5.15 | -4.59 | 0.119 | 2.13 | 2.51 |
| | | 6185 | | -4.42 | -4.02 | 0.119 | -4.84 | -4.53 | 0.119 | -5.87 | -6.12 | 0.119 | 2.13 | 1.04 |
| | | 6345 | | -4.25 | -3.94 | 0.119 | -4.90 | -4.66 | 0.119 | -6.63 | -6.13 | 0.119 | 2.10 | 1.14 |
| | 6 | 6505 | | -4.72 | -4.61 | 0.119 | -5.93 | -5.34 | 0.119 | -7.15 | -7.04 | 0.119 | 2.10 | 0.56 |
| | 7 | 6665 | | -5.90 | -6.28 | 0.119 | -5.88 | -6.60 | 0.119 | -7.15 | -8.19 | 0.119 | 2.10 | -0.86 |
| | | 6825 | | -5.18 | -5.95 | 0.119 | -6.02 | -6.23 | 0.119 | -7.26 | -7.99 | 0.119 | 2.36 | -0.06 |
| | 8 | 6985 | | -4.71 | -5.11 | 0.119 | -5.09 | -5.41 | 0.119 | -6.90 | -7.25 | 0.119 | 2.36 | 0.58 |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. EIRP limit is 24dBm
3. Duty cycle factor is not applicable for duty cycle > 98%.
4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$ dBi
Directional gain:
5925MHz: Directional gain = $10 \log[(10^{2.6/10} + 10^{1.6/10})/2]$= 2.13dBi
6525MHz: Directional gain = $10 \log[(10^{2.2/10} + 10^{2.0/10})/2]$= 2.10dBi
7125MHz: Directional gain = $10 \log[(10^{2.1/10} + 10^{2.6/10})/2]$= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).



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**Audix Technology Corp.**
*No. 491, Zhongfu Rd., Linkou Dist.,*
*New Taipei City244, Taiwan*
**Tel: +886 2 26099301**
**Fax: +886 2 26099303**

## Tones: 106T

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 53 | | | RU Index 54 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE20 | 5 | 5955 | 106T | 0.35 | 0.37 | N/A | 0.09 | 0.61 | N/A | 2.13 | 5.50 |
| | | 6175 | | -0.68 | -1.14 | N/A | -0.96 | -1.20 | N/A | 2.13 | 4.24 |
| | | 6415 | | -1.19 | -1.94 | N/A | -1.18 | -1.94 | N/A | 2.10 | 3.57 |
| | 6 | 6435 | | -1.60 | -1.51 | N/A | -1.29 | -1.49 | N/A | 2.10 | 3.72 |
| | | 6475 | | -1.40 | -1.60 | N/A | -1.62 | -1.67 | N/A | 2.10 | 3.61 |
| | | 6515 | | -1.81 | -1.99 | N/A | -1.72 | -1.88 | N/A | 2.10 | 3.31 |
| | 7 | 6535 | | -2.22 | -2.70 | N/A | -2.34 | -2.78 | N/A | 2.10 | 2.66 |
| | | 6695 | | -3.12 | -2.77 | N/A | -2.95 | -2.75 | N/A | 2.10 | 2.26 |
| | | 6855 | | -2.54 | -2.17 | N/A | -2.81 | -2.28 | N/A | 2.36 | 3.02 |
| | 8 | 6875 | | -2.84 | -2.27 | N/A | -2.70 | -2.54 | N/A | 2.36 | 2.82 |
| | | 6995 | | -1.53 | -1.57 | N/A | -1.67 | -1.48 | N/A | 2.36 | 3.82 |
| | | 7115 | | -1.44 | -1.46 | N/A | -8.23 | -7.79 | N/A | 2.36 | 3.92 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 53 | | | RU Index 54 | | | RU Index 56 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE40 | 5 | 5965 | 106T | 0.39 | 0.10 | N/A | 0.31 | 0.20 | N/A | 0.10 | 0.14 | N/A | 2.13 | 5.40 |
| | | 6165 | | -0.67 | -1.29 | N/A | -0.82 | -1.15 | N/A | -0.98 | -1.27 | N/A | 2.13 | 4.17 |
| | | 6405 | | -1.30 | -1.67 | N/A | -1.07 | -1.86 | N/A | -1.50 | -1.77 | N/A | 2.10 | 3.66 |
| | 6 | 6445 | | -1.57 | -1.83 | N/A | -1.08 | -1.80 | N/A | -1.37 | -1.65 | N/A | 2.10 | 3.69 |
| | | 6485 | | -1.40 | -1.86 | N/A | -1.46 | -1.69 | N/A | -1.68 | -1.77 | N/A | 2.10 | 3.54 |
| | 7 | 6525 | | -1.69 | -1.75 | N/A | -1.84 | -1.90 | N/A | -1.60 | -2.20 | N/A | 2.10 | 3.39 |
| | | 6685 | | -2.99 | -2.73 | N/A | -3.02 | -2.75 | N/A | -3.25 | -2.86 | N/A | 2.10 | 2.25 |
| | | 6845 | | -2.77 | -2.31 | N/A | -2.84 | -2.22 | N/A | -2.61 | -2.57 | N/A | 2.36 | 2.85 |
| | 8 | 6885 | | -2.87 | -2.52 | N/A | -2.67 | -2.65 | N/A | -3.04 | -2.93 | N/A | 2.36 | 2.71 |
| | | 7005 | | -1.86 | -1.72 | N/A | -1.52 | -1.57 | N/A | -2.03 | -1.95 | N/A | 2.36 | 3.83 |
| | | 7085 | | -1.32 | -1.14 | N/A | -1.55 | -1.33 | N/A | -1.45 | -1.42 | N/A | 2.36 | 4.14 |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. EIRP limit is 24dBm
3. Duty cycle factor is not applicable for duty cycle > 98%.
4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$ dBi
Directional gain:
5925MHz: Directional gain = $10 \log[(10^{2.6/10} + 10^{1.6/10})/2]$= 2.13dBi
6525MHz: Directional gain = $10 \log[(10^{2.2/10} + 10^{2.0/10})/2]$= 2.10dBi
7125MHz: Directional gain = $10 \log[(10^{2.1/10} + 10^{2.6/10})/2]$= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).



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**Audix Technology Corp.**
*No. 491, Zhongfu Rd., Linkou Dist.,*
*New Taipei City244, Taiwan*
**Tel: +886 2 26099301**
**Fax: +886 2 26099303**

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 53 | | | RU Index 56 | | | RU Index 60 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE80 | 5 | 5985 | 106T | 0.23 | -0.01 | N/A | 0.62 | 0.19 | N/A | -0.18 | 0.04 | N/A | 2.13 | 5.55 |
| | | 6145 | | -1.34 | -0.85 | N/A | -1.16 | -0.63 | N/A | -1.52 | -1.57 | N/A | 2.13 | 4.25 |
| | | 6385 | | -1.66 | -1.73 | N/A | -1.78 | -1.50 | N/A | -2.01 | -2.03 | N/A | 2.10 | 3.47 |
| | 6 | 6465 | | -1.80 | -2.46 | N/A | -1.30 | -2.03 | N/A | -1.93 | -2.57 | N/A | 2.10 | 3.46 |
| | | 6545 | | -2.04 | -2.61 | N/A | -1.86 | -2.33 | N/A | -2.95 | -2.99 | N/A | 2.10 | 3.02 |
| | 7 | 6625 | | -3.16 | -3.94 | N/A | -2.75 | -3.25 | N/A | -2.79 | -3.75 | N/A | 2.10 | 2.12 |
| | | 6705 | | -2.81 | -4.14 | N/A | -2.16 | -3.60 | N/A | -2.70 | -4.30 | N/A | 2.10 | 2.29 |
| | | 6785 | | -1.92 | -2.61 | N/A | -1.30 | -2.65 | N/A | -2.36 | -3.40 | N/A | 2.10 | 3.19 |
| | 8 | 6865 | | -2.02 | -3.20 | N/A | -2.21 | -3.01 | N/A | -2.83 | -3.86 | N/A | 2.36 | 2.80 |
| | | 6945 | | -1.37 | -2.15 | N/A | -0.86 | -1.53 | N/A | -1.76 | -2.06 | N/A | 2.36 | 4.19 |
| | | 7025 | | -1.80 | -2.14 | N/A | -1.56 | -2.35 | N/A | -2.46 | -2.59 | N/A | 2.36 | 3.43 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 53 | | | RU Index 56 | | | RU Index 60 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE160 (80L) | 5 | 6025 | 106T | -1.28 | -1.38 | N/A | -0.26 | -0.25 | N/A | 0.17 | 0.32 | N/A | 2.13 | 5.39 |
| | | 6185 | | -2.29 | -2.19 | N/A | -1.59 | -1.23 | N/A | -1.19 | -0.96 | N/A | 2.13 | 4.07 |
| | | 6345 | | -3.41 | -2.38 | N/A | -1.95 | -1.52 | N/A | -1.50 | -0.94 | N/A | 2.10 | 3.90 |
| | 6 | 6505 | | -2.97 | -2.85 | N/A | -2.19 | -1.94 | N/A | -1.97 | -1.68 | N/A | 2.10 | 3.29 |
| | 7 | 6665 | | -4.35 | -4.24 | N/A | -3.48 | -3.40 | N/A | -2.47 | -2.84 | N/A | 2.10 | 2.46 |
| | | 6825 | | -3.62 | -3.45 | N/A | -2.87 | -2.62 | N/A | -2.25 | -2.14 | N/A | 2.36 | 3.18 |
| | 8 | 6985 | | -2.49 | -2.92 | N/A | -1.92 | -2.04 | N/A | -1.40 | -1.70 | N/A | 2.36 | 3.82 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index S53 | | | RU Index S56 | | | RU Index S60 | | | | |
| | | | | AUX | Main | Duty Cycle Factor 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor 10log(1/X) Note 3 | | |
| 802.11ax-HE160 (80H) | 5 | 6025 | 106T | 0.23 | 0.41 | N/A | -0.49 | -0.21 | N/A | -2.00 | -1.58 | N/A | 2.13 | 5.46 |
| | | 6185 | | -1.18 | -0.68 | N/A | -1.46 | -1.64 | N/A | -3.14 | -3.01 | N/A | 2.13 | 4.22 |
| | | 6345 | | -1.20 | -1.16 | N/A | -2.12 | -1.50 | N/A | -3.36 | -3.16 | N/A | 2.10 | 3.93 |
| | 6 | 6505 | | -1.73 | -1.71 | N/A | -2.10 | -2.43 | N/A | -3.77 | -3.88 | N/A | 2.10 | 3.39 |
| | 7 | 6665 | | -3.00 | -3.23 | N/A | -3.57 | -3.51 | N/A | -5.05 | -4.60 | N/A | 2.10 | 2.00 |
| | | 6825 | | -2.39 | -2.20 | N/A | -3.03 | -2.78 | N/A | -4.26 | -4.69 | N/A | 2.36 | 3.08 |
| | 8 | 6985 | | -1.66 | -1.26 | N/A | -2.33 | -1.72 | N/A | -3.67 | -3.68 | N/A | 2.36 | 3.91 |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. EIRP limit is 24dBm
3. Duty cycle factor is not applicable for duty cycle > 98%.
4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$ dBi
Directional gain:
5925MHz: Directional gain = $10 \log[(10^{2.6/10} + 10^{1.6/10})/2]$= 2.13dBi
6525MHz: Directional gain = $10 \log[(10^{2.2/10} + 10^{2.0/10})/2]$= 2.10dBi
7125MHz: Directional gain = $10 \log[(10^{2.1/10} + 10^{2.6/10})/2]$= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).



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**Audix Technology Corp.**
*No. 491, Zhongfu Rd., Linkou Dist.,*
*New Taipei City244, Taiwan*
**Tel: +886 2 26099301**
**Fax: +886 2 26099303**

## Tones: 242T

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) RU Index 61 AUX | Average Conducted Output power (dBm) RU Index 61 Main | Average Conducted Output power (dBm) RU Index 61 Duty Cycle Factor (dB) 10log(1/X) Note 3 | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|
| 802.11ax-HE20 | 5 | 5955 | 242T | 2.32 | 2.64 | 0.15 | 2.13 | 7.77 |
| | | 6175 | | 1.9 | 2.55 | 0.15 | 2.13 | 7.53 |
| | | 6415 | | 1.9 | 2.67 | 0.15 | 2.10 | 7.56 |
| | 6 | 6435 | | 1.21 | 1.68 | 0.15 | 2.10 | 6.71 |
| | | 6475 | | 1.51 | 1.68 | 0.15 | 2.10 | 6.86 |
| | | 6515 | | 1.77 | 2 | 0.15 | 2.10 | 7.15 |
| | 7 | 6535 | | 1.39 | 1.72 | 0.15 | 2.10 | 6.82 |
| | | 6695 | | 1.69 | 1.93 | 0.15 | 2.10 | 7.07 |
| | | 6855 | | 1.41 | 1.69 | 0.15 | 2.36 | 7.07 |
| | 8 | 6875 | | 1.04 | 1.29 | 0.15 | 2.36 | 6.69 |
| | | 6995 | | 0.77 | 1.09 | 0.15 | 2.36 | 6.45 |
| | | 7115 | | -2.82 | -2.45 | 0.15 | 2.36 | 2.89 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) RU Index 61 AUX | RU Index 61 Main | RU Index 61 Duty Cycle Factor (dB) 10log(1/X) Note 3 | RU Index 62 AUX | RU Index 62 Main | RU Index 62 Duty Cycle Factor (dB) 10log(1/X) Note 3 | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax-HE40 | 5 | 5965 | 242T | 1.83 | 1.55 | 0.15 | 2.12 | 1.25 | 0.15 | 2.13 | 7.00 |
| | | 6165 | | 1.58 | 1.32 | 0.15 | 1.68 | 1.13 | 0.15 | 2.13 | 6.74 |
| | | 6405 | | 1.71 | 1.35 | 0.15 | 1.95 | 1.44 | 0.15 | 2.10 | 6.96 |
| | 6 | 6445 | | 1.07 | 0.89 | 0.15 | 1.29 | 1.02 | 0.15 | 2.10 | 6.42 |
| | | 6485 | | 1.29 | 1.06 | 0.15 | 0.98 | 1.34 | 0.15 | 2.10 | 6.44 |
| | 7 | 6525 | | 1.25 | 0.83 | 0.15 | 2.13 | 1.7 | 0.15 | 2.10 | 7.18 |
| | | 6685 | | 1.26 | 0.02 | 0.15 | 1.22 | 0.22 | 0.15 | 2.10 | 6.01 |
| | | 6845 | | 1.24 | 0.3 | 0.15 | 1.47 | 0.06 | 0.15 | 2.36 | 6.34 |
| | 8 | 6885 | | 0.69 | -0.31 | 0.15 | 0.79 | 0.19 | 0.15 | 2.36 | 6.02 |
| | | 7005 | | 0.87 | -0.22 | 0.15 | 0.94 | -0.4 | 0.15 | 2.36 | 5.88 |
| | | 7085 | | 1.03 | 0.15 | 0.15 | 1.13 | 0.45 | 0.15 | 2.36 | 6.32 |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. EIRP limit is 24dBm
3. Duty cycle factor is not applicable for duty cycle > 98%.
4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = 10 log[$(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}$] dBi
Directional gain:
5925MHz: Directional gain = 10 log[$(10^{2.6/10} + 10^{1.6/10})/2$]= 2.13dBi
6525MHz: Directional gain = 10 log[$(10^{2.2/10} + 10^{2.0/10})/2$]= 2.10dBi
7125MHz: Directional gain = 10 log[$(10^{2.1/10} + 10^{2.6/10})/2$]= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).



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**Audix Technology Corp.**
*No. 491, Zhongfu Rd., Linkou Dist.,*
*New Taipei City244, Taiwan*
**Tel: +886 2 26099301**
**Fax: +886 2 26099303**

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 61 | | | RU Index 62 | | | RU Index 64 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE80 | 5 | 5985 | 242T | 2.54 | 2.76 | 0.15 | 2.28 | 3.05 | 0.15 | 2.22 | 2.62 | 0.15 | 2.13 | 7.97 |
| | | 6145 | | 2.76 | 2.57 | 0.15 | 2.29 | 2.8 | 0.15 | 2.02 | 2.41 | 0.15 | 2.13 | 7.96 |
| | | 6385 | | 2.07 | 2.11 | 0.15 | 2.39 | 2.61 | 0.15 | 2.37 | 2.64 | 0.15 | 2.10 | 7.77 |
| | 6 | 6465 | | 1.94 | 1.6 | 0.15 | 2.52 | 2.83 | 0.15 | 1.99 | 1.65 | 0.15 | 2.10 | 7.94 |
| | | 6545 | | 1.32 | 1.98 | 0.15 | 2.47 | 2.84 | 0.15 | 2.02 | 2.55 | 0.15 | 2.10 | 7.92 |
| | 7 | 6625 | | 1 | 1.88 | 0.15 | 1.1 | 1.87 | 0.15 | 0.75 | 1.59 | 0.15 | 2.10 | 6.76 |
| | | 6705 | | 1.06 | 1.93 | 0.15 | 1.15 | 1.73 | 0.15 | 0.71 | 1.7 | 0.15 | 2.10 | 6.78 |
| | | 6785 | | 0.93 | 1.7 | 0.15 | 1.28 | 1.93 | 0.15 | 0.78 | 1.82 | 0.15 | 2.10 | 6.88 |
| | 8 | 6865 | | 1.01 | 1.68 | 0.15 | 1.06 | 2.07 | 0.15 | 0.25 | 0.93 | 0.15 | 2.36 | 7.11 |
| | | 6945 | | 0.48 | 0.74 | 0.15 | 1.41 | 1.89 | 0.15 | 0.28 | 0.94 | 0.15 | 2.36 | 7.18 |
| | | 7025 | | 0.17 | 0.95 | 0.15 | 1.12 | 2 | 0.15 | 0.14 | 1.16 | 0.15 | 2.36 | 7.10 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 61 | | | RU Index 62 | | | RU Index 64 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE160 (80L) | 5 | 6025 | 242T | 1.92 | 2.68 | 0.15 | 2.32 | 3.08 | 0.15 | 1.56 | 2.57 | 0.15 | 2.13 | 8.01 |
| | | 6185 | | 2.01 | 2.58 | 0.15 | 2.22 | 3.18 | 0.15 | 1.96 | 2.43 | 0.15 | 2.13 | 8.02 |
| | | 6345 | | 1.69 | 2.43 | 0.15 | 2.13 | 2.6 | 0.15 | 1.72 | 2.28 | 0.15 | 2.10 | 7.63 |
| | 6 | 6505 | | 1.43 | 1.77 | 0.15 | 2.33 | 3.07 | 0.15 | 1.49 | 1.77 | 0.15 | 2.10 | 7.98 |
| | 7 | 6665 | | 0.31 | 1.6 | 0.15 | 0.66 | 2 | 0.15 | 0.41 | 1.66 | 0.15 | 2.10 | 6.64 |
| | | 6825 | | -0.2 | 1.31 | 0.15 | 0.63 | 1.67 | 0.15 | -0.22 | 1.28 | 0.15 | 2.36 | 6.70 |
| | 8 | 6985 | | -0.4 | 0.83 | 0.15 | 0.72 | 1.82 | 0.15 | -0.83 | 0.95 | 0.15 | 2.36 | 6.83 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index S61 | | | RU Index S62 | | | RU Index S64 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE160 (80H) | 5 | 6025 | 242T | 1.48 | 2.97 | 0.15 | 1.73 | 2.68 | 0.15 | 1.96 | 2.7 | 0.15 | 2.13 | 7.64 |
| | | 6185 | | 1.88 | 2.35 | 0.15 | 1.59 | 2.74 | 0.15 | 2.01 | 2.74 | 0.15 | 2.13 | 7.68 |
| | | 6345 | | 1.66 | 2.57 | 0.15 | 1.62 | 2.64 | 0.15 | 2.21 | 2.58 | 0.15 | 2.10 | 7.66 |
| | 6 | 6505 | | 1.46 | 2.02 | 0.15 | 2.33 | 2.49 | 0.15 | 1.7 | 2.7 | 0.15 | 2.10 | 7.67 |
| | 7 | 6665 | | -0.03 | 1.5 | 0.15 | -0.5 | 1.48 | 0.15 | -0.3 | 1.86 | 0.15 | 2.10 | 6.17 |
| | | 6825 | | -0.67 | 1.61 | 0.15 | 0.47 | 1.55 | 0.15 | 0 | 0.82 | 0.15 | 2.36 | 6.56 |
| | 8 | 6985 | | -0.56 | 0.91 | 0.15 | 0.52 | 1.75 | 0.15 | -0.14 | 0.85 | 0.15 | 2.36 | 6.70 |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. EIRP limit is 24dBm
3. Duty cycle factor is not applicable for duty cycle > 98%.
4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$ dBi
Directional gain:
5925MHz: Directional gain = $10 \log[(10^{2.6/10} + 10^{1.6/10})/2]$= 2.13dBi
6525MHz: Directional gain = $10 \log[(10^{2.2/10} + 10^{2.0/10})/2]$= 2.10dBi
7125MHz: Directional gain = $10 \log[(10^{2.1/10} + 10^{2.6/10})/2]$= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).



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**Audix Technology Corp.**
*No. 491, Zhongfu Rd., Linkou Dist.,*
*New Taipei City244, Taiwan*
**Tel: +886 2 26099301**
**Fax: +886 2 26099303**

## Tones: 484T

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) RU Index 65 AUX | Average Conducted Output power (dBm) RU Index 65 Main | Average Conducted Output power (dBm) RU Index 65 Duty Cycle Factor (dB) 10log(1/X) Note 3 | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|
| 802.11ax-HE40 | 5 | 5965 | 484T | 5.26 | 5.43 | N/A | 2.13 | 10.49 |
| | | 6165 | | 5.01 | 5.61 | N/A | 2.13 | 10.46 |
| | | 6405 | | 5.09 | 5.17 | N/A | 2.10 | 10.24 |
| | 6 | 6445 | | 5.21 | 5.41 | N/A | 2.10 | 10.42 |
| | | 6485 | | 5.33 | 5.61 | N/A | 2.10 | 10.58 |
| | 7 | 6525 | | 5.44 | 5.26 | N/A | 2.10 | 10.46 |
| | | 6685 | | 4.67 | 5.08 | N/A | 2.10 | 9.99 |
| | | 6845 | | 4.52 | 4.55 | N/A | 2.36 | 9.91 |
| | 8 | 6885 | | 4.99 | 4.98 | N/A | 2.36 | 10.36 |
| | | 7005 | | 4.71 | 4.79 | N/A | 2.36 | 10.12 |
| | | 7085 | | 4.77 | 5.07 | N/A | 2.36 | 10.29 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) RU Index 65 AUX | RU Index 65 Main | RU Index 65 Duty Cycle Factor (dB) 10log(1/X) Note 3 | RU Index 66 AUX | RU Index 66 Main | RU Index 66 Duty Cycle Factor (dB) 10log(1/X) Note 3 | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax-HE80 | 5 | 5985 | 484T | 5.41 | 5.45 | N/A | 5.14 | 5.32 | N/A | 2.13 | 10.57 |
| | | 6145 | | 5.3 | 5.53 | N/A | 5.46 | 5.26 | N/A | 2.13 | 10.56 |
| | | 6385 | | 4.88 | 5.12 | N/A | 5.31 | 5.27 | N/A | 2.10 | 10.40 |
| | 6 | 6465 | | 5.29 | 5.25 | N/A | 5.42 | 5.3 | N/A | 2.10 | 10.47 |
| | | 6545 | | 5.39 | 5.63 | N/A | 5.34 | 5.1 | N/A | 2.10 | 10.62 |
| | 7 | 6625 | | 4.43 | 4.74 | N/A | 4.42 | 4.47 | N/A | 2.10 | 9.70 |
| | | 6705 | | 4.56 | 4.31 | N/A | 4.37 | 4.52 | N/A | 2.10 | 9.56 |
| | | 6785 | | 4.27 | 4.41 | N/A | 4.19 | 4.61 | N/A | 2.10 | 9.52 |
| | 8 | 6865 | | 4.09 | 4.71 | N/A | 4.42 | 4.7 | N/A | 2.36 | 9.93 |
| | | 6945 | | 4.49 | 4.4 | N/A | 4.3 | 4.71 | N/A | 2.36 | 9.88 |
| | | 7025 | | 4.28 | 4.32 | N/A | 4.63 | 4.78 | N/A | 2.36 | 10.08 |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. EIRP limit is 24dBm
3. Duty cycle factor is not applicable for duty cycle > 98%.
4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$ dBi
Directional gain:
5925MHz: Directional gain = $10 \log[(10^{2.6/10} + 10^{1.6/10})/2]$= 2.13dBi
6525MHz: Directional gain = $10 \log[(10^{2.2/10} + 10^{2.0/10})/2]$= 2.10dBi
7125MHz: Directional gain = $10 \log[(10^{2.1/10} + 10^{2.6/10})/2]$= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).



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**Audix Technology Corp.**
*No. 491, Zhongfu Rd., Linkou Dist.,*
*New Taipei City244, Taiwan*
**Tel: +886 2 26099301**
**Fax: +886 2 26099303**

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index 65 | | | RU Index 66 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE160 (80L) | 5 | 6025 | 484T | 5.04 | 5.41 | N/A | 4.7 | 5.62 | N/A | 2.13 | 10.37 |
| | | 6185 | | 5.19 | 5.13 | N/A | 5.22 | 5.2 | N/A | 2.13 | 10.35 |
| | | 6345 | | 4.9 | 5.16 | N/A | 5.05 | 5.09 | N/A | 2.10 | 10.18 |
| | 6 | 6505 | | 5.2 | 5.35 | N/A | 5.05 | 5.36 | N/A | 2.10 | 10.39 |
| | 7 | 6665 | | 4.01 | 4.46 | N/A | 3.51 | 4.31 | N/A | 2.10 | 9.35 |
| | | 6825 | | 3.92 | 4.71 | N/A | 3.94 | 4.46 | N/A | 2.36 | 9.70 |
| | 8 | 6985 | | 4.3 | 4.56 | N/A | 4.01 | 5 | N/A | 2.36 | 9.90 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) | | | | | | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | RU Index S65 | | | RU Index S66 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | | |
| 802.11ax-HE160 (80H) | 5 | 6025 | 484T | 4.76 | 5.32 | N/A | 4.65 | 5.51 | N/A | 2.13 | 10.24 |
| | | 6185 | | 4.65 | 5.32 | N/A | 4.81 | 5.29 | N/A | 2.13 | 10.20 |
| | | 6345 | | 4.46 | 5.29 | N/A | 4.98 | 5.09 | N/A | 2.10 | 10.15 |
| | 6 | 6505 | | 5.06 | 5.58 | N/A | 5.13 | 5.53 | N/A | 2.10 | 10.44 |
| | 7 | 6665 | | 3.81 | 4.34 | N/A | 4 | 4.38 | N/A | 2.10 | 9.30 |
| | | 6825 | | 4.03 | 4.36 | N/A | 3.89 | 4.63 | N/A | 2.36 | 9.65 |
| | 8 | 6985 | | 4.25 | 4.35 | N/A | 4 | 4.54 | N/A | 2.36 | 9.67 |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. EIRP limit is 24dBm
3. Duty cycle factor is not applicable for duty cycle > 98%.
4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$ dBi
Directional gain:
5925MHz: Directional gain = $10 \log[(10^{2.6/10} + 10^{1.6/10})/2]$= 2.13dBi
6525MHz: Directional gain = $10 \log[(10^{2.2/10} + 10^{2.0/10})/2]$= 2.10dBi
7125MHz: Directional gain = $10 \log[(10^{2.1/10} + 10^{2.6/10})/2]$= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).



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**Audix Technology Corp.**
*No. 491, Zhongfu Rd., Linkou Dist.,*
*New Taipei City244, Taiwan*
**Tel: +886 2 26099301**
**Fax: +886 2 26099303**

## Tones: 996T

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) RU Index 67 AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|
| 802.11ax-HE80 | 5 | 5985 | 996T | 6.94 | 6.9 | 0.159 | 2.13 | 12.22 |
| | | 6145 | | 6.73 | 6.57 | 0.159 | 2.13 | 11.95 |
| | | 6385 | | 7.15 | 6.87 | 0.159 | 2.10 | 12.28 |
| | 6 | 6465 | | 7.05 | 7 | 0.159 | 2.10 | 12.29 |
| | | 6545 | | 6.65 | 6.42 | 0.159 | 2.10 | 11.81 |
| | 7 | 6625 | | 5.77 | 5.54 | 0.159 | 2.10 | 10.93 |
| | | 6705 | | 5.77 | 5.43 | 0.159 | 2.10 | 10.87 |
| | | 6785 | | 5.59 | 5.5 | 0.159 | 2.10 | 10.81 |
| | 8 | 6865 | | 5.73 | 5.75 | 0.159 | 2.36 | 11.27 |
| | | 6945 | | 5.98 | 5.91 | 0.159 | 2.36 | 11.47 |
| | | 7025 | | 6.04 | 5.93 | 0.159 | 2.36 | 11.51 |

| Mode | U-NII Band | Centre Frequency (MHz) | Tones | Average Conducted Output power (dBm) RU Index 67 AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | RU Index S67 AUX | Main | Duty Cycle Factor (dB) 10log(1/X) Note 3 | Directional Antenna Gain (dBi) Note 4 | Max EIRP (dBm) Note 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax-HE160 | 5 | 6025 | 996T | 7.08 | 6.91 | 0.159 | 7.21 | 6.85 | 0.159 | 2.13 | 12.33 |
| | | 6185 | | 7.01 | 6.8 | 0.159 | 7.15 | 6.96 | 0.159 | 2.13 | 12.36 |
| | | 6345 | | 7.38 | 7.13 | 0.159 | 7.03 | 6.92 | 0.159 | 2.1 | 12.53 |
| | 6 | 6505 | | 6.76 | 6.75 | 0.159 | 6.35 | 6.25 | 0.159 | 2.1 | 12.02 |
| | 7 | 6665 | | 6.03 | 5.55 | 0.159 | 5.84 | 5.53 | 0.159 | 2.1 | 11.07 |
| | | 6825 | | 5.89 | 5.7 | 0.159 | 5.72 | 5.48 | 0.159 | 2.36 | 11.33 |
| | 8 | 6985 | | 5.84 | 5.52 | 0.159 | 5.96 | 5.64 | 0.159 | 2.36 | 11.33 |

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]
2. EIRP limit is 24dBm
3. Duty cycle factor is not applicable for duty cycle > 98%.
4. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = 10 log[($10^{G1/10}$ + $10^{G2/10}$ + … + $10^{GN/10}$)/$N_{ANT}$] dBi
Directional gain:
5925MHz: Directional gain = 10 log[($10^{2.6/10}$ +$10^{1.6/10}$)/2]= 2.13dBi
6525MHz: Directional gain = 10 log[($10^{2.2/10}$ +$10^{2.0/10}$)/2]= 2.10dBi
7125MHz: Directional gain = 10 log[($10^{2.1/10}$ +$10^{2.6/10}$)/2]= 2.36dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
5. Max EIRP (dBm) = Max of Average Conducted Output Power (dBm) [ANT A (AUX)+ ANT B (Main)+ Duty Cycle Factor(dB)]+ Directional gain (dBi).



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