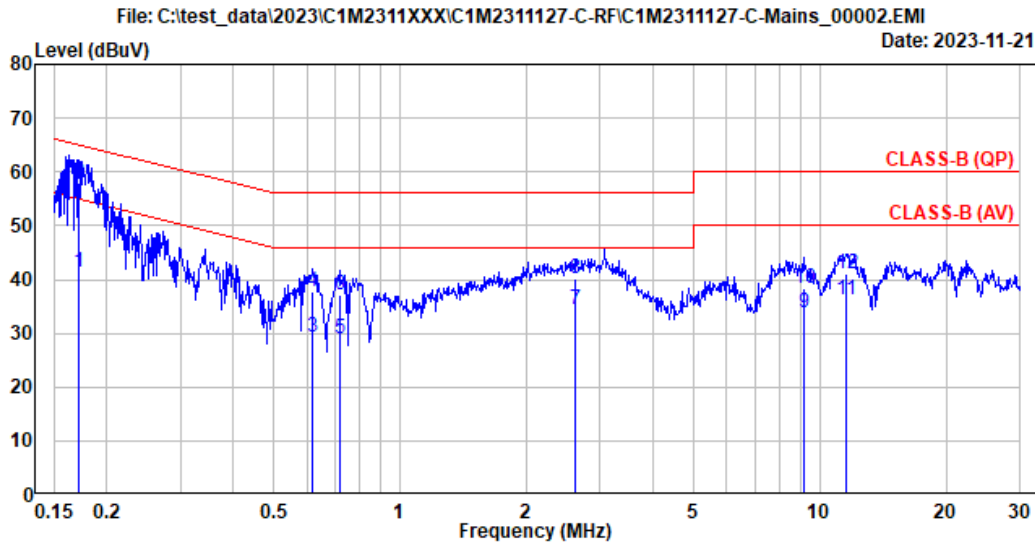


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A.1 CONDUCTED EMISSION

| | | | |
|--------------|-------------------------------|------------|-------------|
| Test Date | 2023/11/21 | Temp./Hum. | 26°C/57% |
| Test Voltage | AC 120V 60Hz (Via AC Adapter) | Tested By | Bruce Tseng |



| | | | |
|--------------|---------------------------------------|-------------|---------------|
| Site No. | : No.8 Shielded Room | Data No. | : 2 |
| Instrument 1 | : Receiver ESR(774) | | |
| Instrument 2 | : ENV432 (567)(A) CE-08 ESH3-Z2 (354) | | |
| Limit | : CLASS-B (QP) | Phase | : Neutral |
| Environment | : 26°C/57% | Test Rating | : 120Vac/60Hz |
| EUT Model | : 15290ST | Engineer | : Bruce |
| Test Mode | : Operating | | |

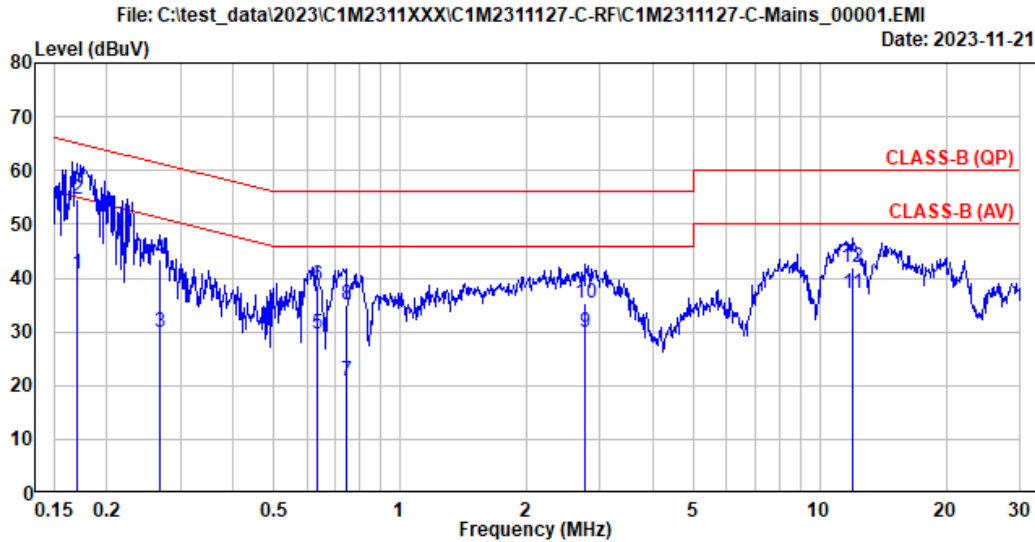
| | Freq. (MHz) | AMN Factor (dB) | Cable Loss (dB) | Pulse Att. (dB) | Reading (dBμV) | Emission Level (dBμV) | Limits (dBμV) | Margin (dB) | Remark |
|----|----------------|-----------------------|-----------------------|-----------------------|-------------------|-----------------------------|------------------|----------------|---------|
| 1 | 0.172 | 10.30 | 0.03 | 9.85 | 21.15 | 41.33 | 54.88 | 13.55 | Average |
| 2 | 0.172 | 10.30 | 0.03 | 9.85 | 37.78 | 57.96 | 64.88 | 6.92 | QP |
| 3 | 0.621 | 10.28 | 0.03 | 9.85 | 9.19 | 29.35 | 46.00 | 16.65 | Average |
| 4 | 0.621 | 10.28 | 0.03 | 9.85 | 17.44 | 37.60 | 56.00 | 18.40 | QP |
| 5 | 0.717 | 10.29 | 0.04 | 9.85 | 8.92 | 29.10 | 46.00 | 16.90 | Average |
| 6 | 0.717 | 10.29 | 0.04 | 9.85 | 17.02 | 37.20 | 56.00 | 18.80 | QP |
| 7 | 2.622 | 10.34 | 0.07 | 9.86 | 14.30 | 34.57 | 46.00 | 11.43 | Average |
| 8 | 2.622 | 10.34 | 0.07 | 9.86 | 19.78 | 40.05 | 56.00 | 15.95 | QP |
| 9 | 9.161 | 10.55 | 0.13 | 9.88 | 13.19 | 33.75 | 50.00 | 16.25 | Average |
| 10 | 9.161 | 10.55 | 0.13 | 9.88 | 17.82 | 38.38 | 60.00 | 21.62 | QP |
| 11 | 11.579 | 10.66 | 0.15 | 9.90 | 15.44 | 36.15 | 50.00 | 13.85 | Average |
| 12 | 11.579 | 10.66 | 0.15 | 9.90 | 20.31 | 41.02 | 60.00 | 18.98 | QP |

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

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 New Taipei City244, Taiwan

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| | | | |
|--------------|-------------------------------|------------|-------------|
| Test Date | 2023/11/21 | Temp./Hum. | 26°C/57% |
| Test Voltage | AC 120V 60Hz (Via AC Adapter) | Tested By | Bruce Tseng |



| | | | |
|--------------|---------------------------------------|-------------|---------------|
| Site No. | : No.8 Shielded Room | Data No. | : 1 |
| Instrument 1 | : Receiver ESR(774) | | |
| Instrument 2 | : ENV432 (567)(A) CE-08 ESH3-Z2 (354) | | |
| Limit | : CLASS-B (QP) | Phase | : Line |
| Environment | : 26°C/57% | Test Rating | : 120Vac/60Hz |
| EUT Model | : 15Z90ST | Engineer | : Bruce |
| Test Mode | : Operating | | |

| | Freq. (MHz) | AMN Factor (dB) | Cable Loss (dB) | Pulse Att. (dB) | Reading (dBμV) | Emission Level (dBμV) | Limits (dBμV) | Margin (dB) | Remark |
|----|----------------|-----------------------|-----------------------|-----------------------|-------------------|-----------------------------|------------------|----------------|---------|
| 1 | 0.171 | 10.22 | 0.03 | 9.85 | 20.79 | 40.89 | 54.92 | 14.03 | Average |
| 2 | 0.171 | 10.22 | 0.03 | 9.85 | 34.42 | 54.52 | 64.92 | 10.40 | QP |
| 3 | 0.269 | 10.22 | 0.03 | 9.85 | 9.89 | 29.99 | 51.16 | 21.17 | Average |
| 4 | 0.269 | 10.22 | 0.03 | 9.85 | 23.23 | 43.33 | 61.16 | 17.83 | QP |
| 5 | 0.633 | 10.23 | 0.04 | 9.85 | 9.36 | 29.48 | 46.00 | 16.52 | Average |
| 6 | 0.633 | 10.23 | 0.04 | 9.85 | 18.48 | 38.60 | 56.00 | 17.40 | QP |
| 7 | 0.743 | 10.23 | 0.04 | 9.85 | 0.67 | 20.79 | 46.00 | 25.21 | Average |
| 8 | 0.743 | 10.23 | 0.04 | 9.85 | 15.05 | 35.17 | 56.00 | 20.83 | QP |
| 9 | 2.770 | 10.26 | 0.07 | 9.86 | 9.76 | 29.95 | 46.00 | 16.05 | Average |
| 10 | 2.770 | 10.26 | 0.07 | 9.86 | 15.05 | 35.24 | 56.00 | 20.76 | QP |
| 11 | 11.931 | 10.48 | 0.15 | 9.90 | 16.60 | 37.13 | 50.00 | 12.87 | Average |
| 12 | 11.931 | 10.48 | 0.15 | 9.90 | 21.53 | 42.06 | 60.00 | 17.94 | QP |

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

A.2 RADIATED EMISSION

| | | | |
|--------------|-------------------------------|------------|----------|
| Test Date | 2023/11/15 | Temp./Hum. | 22°C/61% |
| Test Voltage | AC 120V 60Hz (Via AC Adapter) | Tested By | Hua Wu |

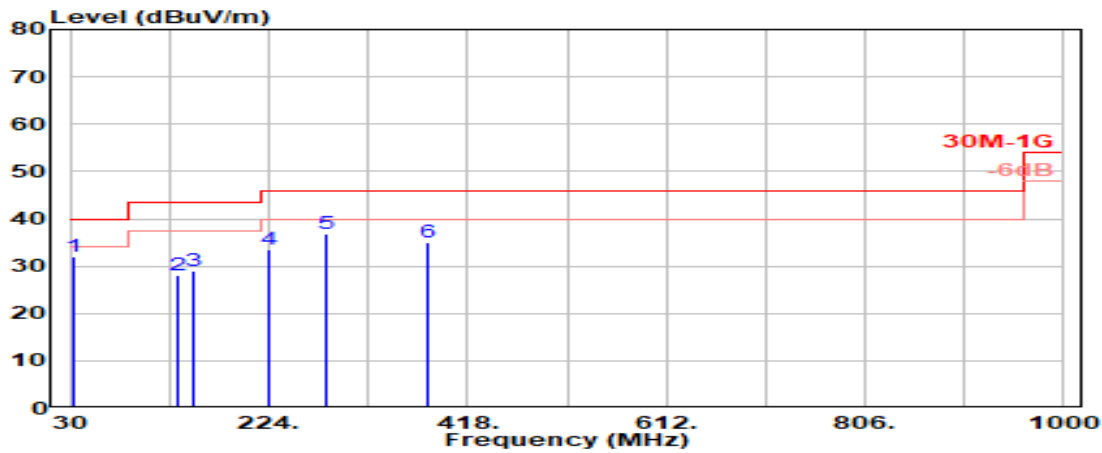
A.2.1 Emissions within Restricted Frequency Bands

A.2.1.1 Frequency 9kHz~30MHz

The emissions (9kHz~30MHz) not reported for there is no emission be found.

A.2.1.2 Frequency Below 1GHz

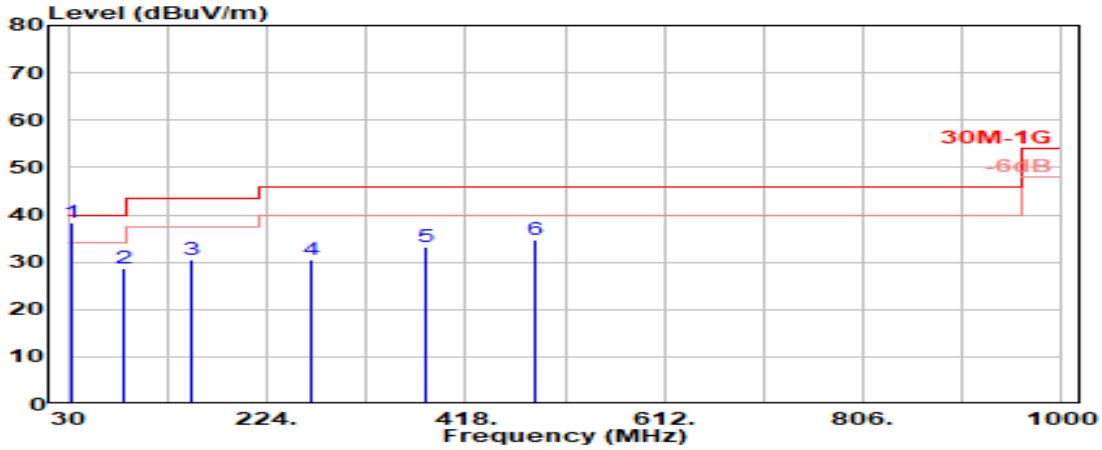
| | | | |
|------|----------------|------------|------------|
| Mode | 802.11ax-HE160 | U-NII Band | 8 |
| | | Frequency | TX 6985MHz |



Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 32.425 | 23.06 | 1.25 | 26.52 | 34.20 | 31.99 | 40.00 | 8.01 | Peak |
| 135.083 | 17.34 | 2.71 | 26.09 | 34.07 | 28.02 | 43.50 | 15.48 | Peak |
| 149.633 | 16.59 | 2.87 | 26.02 | 35.55 | 28.99 | 43.50 | 14.51 | Peak |
| 224.808 | 16.77 | 3.65 | 25.77 | 38.90 | 33.55 | 46.00 | 12.45 | Peak |
| 279.775 | 18.60 | 4.17 | 25.69 | 39.84 | 36.92 | 46.00 | 9.08 | Peak |
| 378.392 | 21.05 | 5.29 | 26.35 | 35.07 | 35.06 | 46.00 | 10.94 | Peak |

| | | | |
|------|----------------|------------|------------|
| Mode | 802.11ax-HE160 | U-NII Band | 8 |
| | | Frequency | TX 6985MHz |



Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 33.233 | 22.77 | 1.27 | 0.00 | 14.25 | 38.28 | 40.00 | 1.72 | QP |
| 84.158 | 13.83 | 2.10 | 26.35 | 39.10 | 28.66 | 40.00 | 11.34 | Peak |
| 151.250 | 16.48 | 2.89 | 26.01 | 37.20 | 30.56 | 43.50 | 12.94 | Peak |
| 266.842 | 18.38 | 4.05 | 25.70 | 33.62 | 30.35 | 46.00 | 15.65 | Peak |
| 378.392 | 21.05 | 5.29 | 26.35 | 33.15 | 33.14 | 46.00 | 12.86 | Peak |
| 485.900 | 22.93 | 6.29 | 27.08 | 32.50 | 34.65 | 46.00 | 11.35 | Peak |

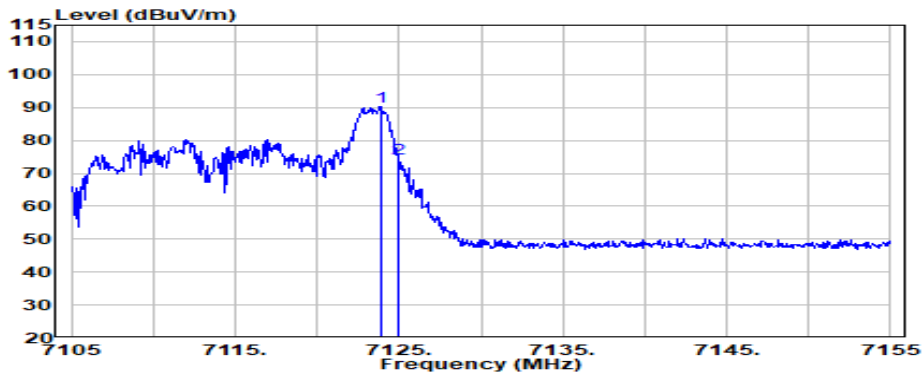
A.2.1.3 Band Edge

A.2.1.4 Band Edge-Maker Delta

- OFDMA Modulation

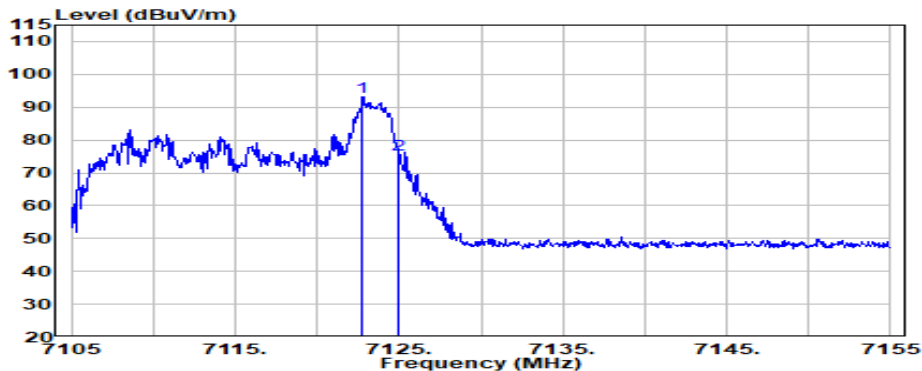
| Mode | Antenna Polarization | Peak Fundamental Emission Level@7115MHz (dBμV/m) | Band Edge Emission Level@7125MHz (dBμV/m) | Marker-Delta (dB) |
|---------------------------------|----------------------|--|---|-------------------|
| 802.11ax-HE20 (26T, RU Index 8) | Horizontal | 90.23 | 74.48 | 15.75 |
| | Vertical | 93.01 | 75.66 | 17.35 |

Note: marker -delta measured in accordance with KDB 789033 Section G3 (d)(i)



Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|----------|
| 7123.850 | 35.90 | 9.80 | 34.55 | 79.09 | 90.23 | Peak |
| 7125.000 | 35.90 | 9.80 | 34.55 | 63.33 | 74.48 | Peak |



Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|----------|
| 7122.750 | 35.89 | 9.80 | 34.55 | 81.87 | 93.01 | Peak |
| 7125.000 | 35.90 | 9.80 | 34.55 | 64.52 | 75.66 | Peak |

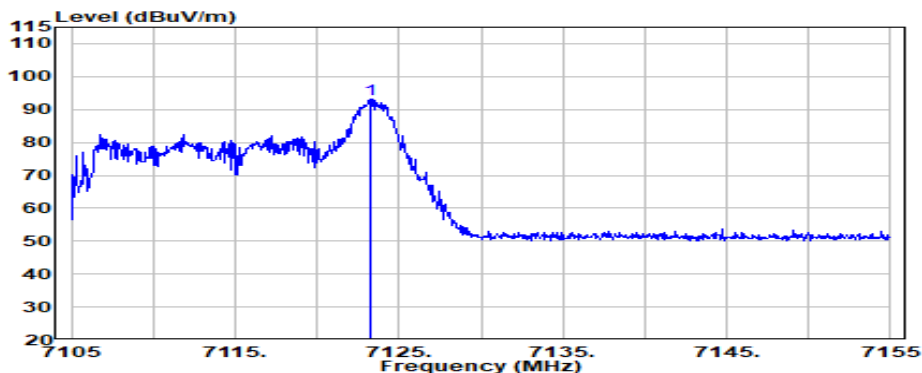
Band Edge-Maker Delta Test Result

● OFDMA Modulation

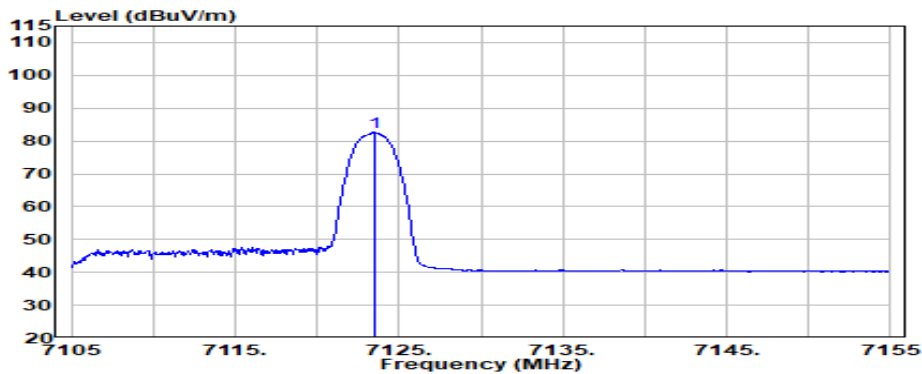
| Mode | Fundamental Emission Level@7115MHz (dBμV/m) | Marker-Delta (dB) | Band Edge Emission Level@7125MHz (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|---------------------------------|---|-------------------|---|----------------|-------------|----------|
| 802.11ax-HE20 (26T, RU Index 8) | Antenna Polarization: Vertical | | | | | |
| | 93.15 | 15.75 | 77.40 | 88.20 | 10.80 | Peak |
| | 82.60 | 15.75 | 66.85 | 68.20 | 1.35 | Average |

Note: Band Edge Emission Level (dBμV/m) = Fundamental Emission Level (dBμV/m) - Marker-Delta (dB)

Antenna at Horizontal Polarization



| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Detector |
|--------------------------|-----------------------|-----------------|------------------|-------------------|-------------------------|----------|
| 7123.200 | 35.89 | 9.80 | 34.55 | 82.01 | 93.15 | Peak |

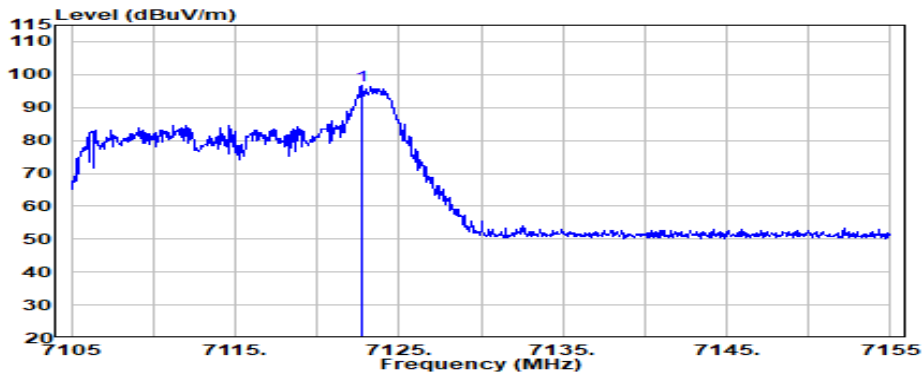


| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Detector |
|--------------------------|-----------------------|-----------------|------------------|-------------------|-------------------------|----------|
| 7123.500 | 35.89 | 9.80 | 34.55 | 71.46 | 82.60 | Average |

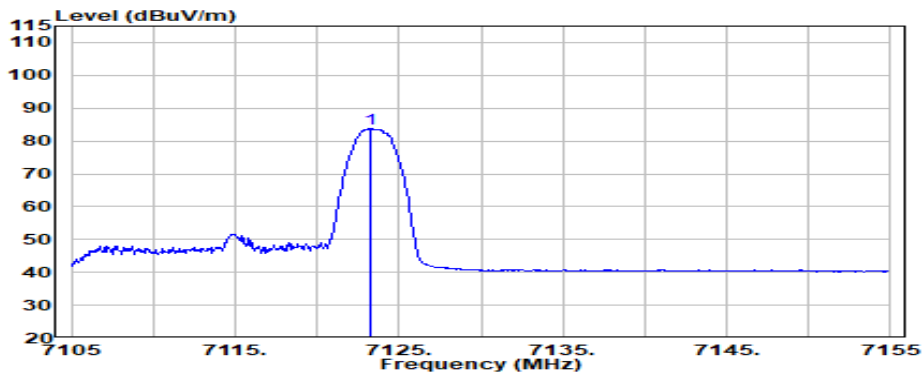
| Mode | Fundamental Emission Level@7115MHz (dBμV/m) | Marker-Delta (dB) | Band Edge Emission Level@7125MHz (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|------------------------------------|---|-------------------|---|----------------|-------------|----------|
| 802.11ax-HE20 (26T, RU Index 8) | Antenna Polarization: Vertical | | | | | |
| | 96.87 | 17.35 | 79.52 | 88.20 | 8.68 | Peak |
| | 83.77 | 17.35 | 66.42 | 68.20 | 1.78 | Average |

Note: Band Edge Emission Level (dBμV/m) = Fundamental Emission Level (dBμV/m) - Marker-Delta (dB)

Antenna at Vertical Polarization



| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Detector |
|--------------------------|-----------------------|-----------------|------------------|-------------------|-------------------------|----------|
| 7122.700 | 35.89 | 9.80 | 34.55 | 85.73 | 96.87 | Peak |



| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Detector |
|--------------------------|-----------------------|-----------------|------------------|-------------------|-------------------------|----------|
| 7123.250 | 35.89 | 9.80 | 34.55 | 72.63 | 83.77 | Average |

A.2.2 Emissions outside the frequency band

The emissions (up to 40GHz) not reported for there is no emission be found.

● OFDMA Modulation

| | | | |
|-------|---------------|------------|------------|
| Tones | 52T | RU Index | 37 |
| Mode | 802.11ax-HE40 | U-NII Band | 8 |
| | | Frequency | TX 7085MHz |

Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dB μ V) | Emission Level (dB μ V/m) | Limits (dB μ V/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------|-------------------------|-------------------------------|-----------------------|-------------|----------|
| 14170.000 | 41.80 | 15.52 | 33.13 | 28.01 | 52.21 | 54.00 | 1.79 | Peak |

Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dB μ V) | Emission Level (dB μ V/m) | Limits (dB μ V/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------|-------------------------|-------------------------------|-----------------------|-------------|----------|
| 14170.000 | 41.80 | 15.52 | 33.13 | 28.03 | 52.23 | 54.00 | 1.77 | Peak |

A.2.3 Emissions in Non-restricted Frequency Bands

Pursuant to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 that emission levels below the 15.209 general radiated emissions limits is not required.

A.3 MAXIMUM CONDUCTED OUTPUT POWER

| | | | |
|--------------|-------------------------------|------------|-------------|
| Test Date | 2023/12/06 | Temp./Hum. | 24°C/56% |
| Cable Loss | 1.60B | Tested By | Harry Huang |
| Test Voltage | AC 120V 60Hz (Via AC Adapter) | | |

A.3.1 Conducted Output Power Result

- OFDM Modulation
- SPOT Check

| 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) ^{Note2} | Limit |
|-----------------|------------|------------------------|--------------------------------------|-------|-----------------------------------|---|---------------------------------------|-------|
| | | | AUX | Main | | | | |
| 802.11ax-HE20 | 5 | 5955 | 1.45 | 1.10 | N/A | 1.60 | 5.89 | 24dBm |
| | | 6175 | 1.39 | 0.72 | | 1.60 | 5.68 | |
| | | 6415 | 1.13 | 1.12 | | -0.08 | 4.06 | |
| | 6 | 6435 | 1.29 | 0.89 | | -0.08 | 4.02 | |
| | | 6475 | 1.12 | 1.25 | | -0.08 | 4.12 | |
| | | 6515 | 1.49 | 1.25 | | -0.08 | 4.30 | |
| | 7 | 6535 | 0.35 | 0.47 | | -0.08 | 3.34 | |
| | | 6695 | 0.38 | -0.53 | | -0.08 | 2.88 | |
| | | 6855 | 0.75 | 0.05 | | 3.47 | 6.89 | |
| | 8 | 6875 | 0.66 | -0.02 | | 3.47 | 6.81 | |
| | | 6995 | 0.58 | 0.19 | | 3.47 | 6.87 | |
| | | 7115 | -3.76 | -3.24 | | 3.47 | 2.99 | |
| 802.11ax-HE40 | 5 | 5965 | 5.05 | 4.50 | N/A | 1.60 | 9.39 | 24dBm |
| | | 6165 | 4.83 | 4.92 | | 1.60 | 9.49 | |
| | | 6405 | 4.62 | 4.83 | | -0.08 | 7.66 | |
| | 6 | 6445 | 4.89 | 5.01 | | -0.08 | 7.88 | |
| | | 6485 | 5.18 | 5.05 | | -0.08 | 8.05 | |
| | 7 | 6525 | 5.16 | 4.53 | | -0.08 | 7.79 | |
| | | 6685 | 4.32 | 3.81 | | -0.08 | 7.00 | |
| | 8 | 6845 | 4.46 | 3.43 | | 3.47 | 10.46 | |
| | | 6885 | 4.18 | 4.39 | | 3.47 | 10.77 | |
| | | 7005 | 4.35 | 3.90 | | 3.47 | 10.61 | |
| | | 7085 | 4.26 | 4.25 | | 3.47 | 10.74 | |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

| 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) ^{Note2} | Limit |
|-----------------|----------------|------------------------|--------------------------------------|-------|-----------------------------------|---|---------------------------------------|-------|
| | | | AUX | Main | | | | |
| 802.11ax-HE80 | 5 | 5985 | 7.92 | 7.93 | N/A | 1.60 | 12.54 | 24dBm |
| | | 6145 | 7.54 | 7.58 | | 1.60 | 12.17 | |
| | | 6385 | 7.99 | 7.57 | | -0.08 | 10.72 | |
| | 6 | 6465 | 7.27 | 7.26 | | -0.08 | 10.20 | |
| | | 6545 | 7.30 | 7.23 | | -0.08 | 10.20 | |
| | 7 | 6625 | 6.27 | 6.21 | | -0.08 | 9.17 | |
| | | 6705 | 6.68 | 6.59 | | -0.08 | 9.57 | |
| | | 6785 | 6.44 | 6.43 | | -0.08 | 9.37 | |
| | 8 | 6865 | 6.48 | 6.38 | | 3.47 | 12.91 | |
| | | 6945 | 7.06 | 7.15 | | 3.47 | 13.59 | |
| | | 7025 | 7.12 | 6.61 | | 3.47 | 13.35 | |
| | 802.11ax-HE160 | 5 | 6025 | 10.83 | | 10.68 | N/A | |
| 6185 | | | 10.66 | 10.61 | 1.60 | 15.25 | | |
| 6345 | | | 11.17 | 10.69 | -0.08 | 13.87 | | |
| 6 | | 6505 | 10.42 | 10.36 | -0.08 | 13.32 | | |
| | | 6665 | 9.46 | 9.49 | -0.08 | 12.41 | | |
| 7 | | 6825 | 9.63 | 9.68 | 3.47 | 16.14 | | |
| | | 6985 | 10.10 | 9.89 | 3.47 | 16.48 | | |

- 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 = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi
 Directional gain:
 5925MHz: Directional gain = $10 \log[(10^{1.6/10} + 10^{1.6/10})/2]$ = 1.60dBi
 6525MHz: Directional gain = $10 \log[(10^{-0.5/10} + 10^{0.3/10})/2]$ = -0.08dBi
 7125MHz: Directional gain = $10 \log[(10^{3.9/10} + 10^{3.0/10})/2]$ = 3.47dBi
 The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).
4. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

● **Original FCC ID: BEJNT-15Z90RT & IC: 2703H-15Z90RT Power**

| 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 | 1.58 | 1.14 | N/A | 1.60 | 5.98 | 24dBm | |
| | | 6175 | 1.43 | 1.21 | | 1.60 | 5.93 | | |
| | | 6415 | 1.49 | 1.16 | | -0.08 | 4.26 | | |
| | 6 | 6435 | 1.38 | 1.36 | | -0.08 | 4.30 | | |
| | | 6475 | 1.50 | 1.42 | | -0.08 | 4.39 | | |
| | | 6515 | 1.54 | 1.45 | | -0.08 | 4.43 | | |
| | 7 | 6535 | 0.69 | 0.62 | | -0.08 | 3.59 | | |
| | | 6695 | 0.88 | -0.12 | | -0.08 | 3.34 | | |
| | | 6855 | 0.80 | 0.07 | | 3.47 | 6.93 | | |
| | | 8 | 6875 | 0.94 | | 0.19 | 3.47 | | 7.06 |
| | | | 6995 | 0.66 | | 0.34 | 3.47 | | 6.98 |
| | 7115 | -3.36 | -3.12 | 3.47 | | 3.24 | | | |
| | | 802.11ax-HE40 | 5 | 5965 | | 5.36 | 4.97 | | 1.60 |
| | 6165 | | | 5.23 | | 4.98 | 1.60 | | 9.72 |
| | 6405 | | | 4.98 | | 5.17 | -0.08 | | 8.01 |
| 6 | 6445 | | 4.99 | 5.38 | -0.08 | 8.12 | | | |
| | 6485 | | 5.26 | 5.31 | -0.08 | 8.22 | | | |
| 7 | 6525 | | 5.27 | 5.00 | -0.08 | 8.07 | | | |
| | 6685 | | 4.46 | 4.10 | -0.08 | 7.22 | | | |
| | 6845 | | 4.54 | 3.90 | 3.47 | 10.71 | | | |
| 8 | 6885 | | 4.40 | 4.44 | 3.47 | 10.90 | | | |
| | 7005 | 4.45 | 4.21 | 3.47 | 10.81 | | | | |
| | 7085 | 4.52 | 4.33 | 3.47 | 10.91 | | | | |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

| 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) ^{Note2} | Limit |
|-----------------|------------|------------------------|--------------------------------------|-------|-----------------------------------|---|---------------------------------------|-------|
| | | | AUX | Main | | | | |
| 802.11ax-HE80 | 5 | 5985 | 8.06 | 7.97 | N/A | 1.60 | 12.63 | 24dBm |
| | | 6145 | 7.81 | 7.69 | | 1.60 | 12.36 | |
| | | 6385 | 8.08 | 7.67 | | -0.08 | 10.81 | |
| | 6 | 6465 | 7.88 | 7.59 | | -0.08 | 10.67 | |
| | | 6545 | 7.52 | 7.41 | | -0.08 | 10.40 | |
| | | 6625 | 6.78 | 6.87 | | -0.08 | 9.76 | |
| | 7 | 6705 | 6.84 | 6.66 | | -0.08 | 9.68 | |
| | | 6785 | 6.79 | 6.64 | | -0.08 | 9.65 | |
| | | 6865 | 6.86 | 6.65 | | 3.47 | 13.24 | |
| | 8 | 6945 | 7.24 | 6.84 | | 3.47 | 13.52 | |
| | | 7025 | 7.18 | 6.77 | | 3.47 | 13.46 | |
| | | 6025 | 11.02 | 10.82 | | 1.60 | 15.53 | |
| 802.11ax-HE160 | 5 | 6185 | 10.87 | 10.54 | 1.60 | 15.32 | | |
| | | 6345 | 11.19 | 10.67 | -0.08 | 13.87 | | |
| | | 6505 | 10.69 | 10.51 | -0.08 | 13.53 | | |
| | 7 | 6665 | 10.07 | 9.85 | -0.08 | 12.89 | | |
| | | 6825 | 9.87 | 9.77 | 3.47 | 16.30 | | |
| | 8 | 6985 | 10.38 | 9.97 | 3.47 | 16.66 | | |

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 = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi
 Directional gain:
 5925MHz: Directional gain = $10 \log[(10^{1.6/10} + 10^{1.6/10})/2]$ = 1.60dBi
 6525MHz: Directional gain = $10 \log[(10^{-0.5/10} + 10^{0.3/10})/2]$ = -0.08dBi
 7125MHz: Directional gain = $10 \log[(10^{3.9/10} + 10^{3.0/10})/2]$ = 3.47dBi
 The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

- OFDMA Modulation
- SPOT Check

| 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) $10\log(1/X)$ ^{Note 3} | AUX | Main | Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3} | AUX | Main | Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3} | | |
| 802.11ax-HE20 | 5 | 5955 | 26T | -5.97 | -6.06 | 0.255 | -6.20 | -5.95 | 0.255 | -5.91 | -6.01 | 0.255 | 1.60 | -1.09 |
| | | 6175 | | -7.63 | -7.81 | 0.255 | -7.31 | -7.53 | 0.255 | -7.49 | -7.82 | 0.255 | 1.60 | -2.55 |
| | | 6415 | | -7.77 | -7.92 | 0.255 | -7.81 | -8.06 | 0.255 | -7.86 | -8.24 | 0.255 | -0.08 | -4.66 |
| | 6 | 6435 | | -7.45 | -8.43 | 0.255 | -7.70 | -7.87 | 0.255 | -8.12 | -8.14 | 0.255 | -0.08 | -4.60 |
| | | 6475 | | -8.07 | -8.55 | 0.255 | -7.70 | -7.99 | 0.255 | -8.03 | -8.12 | 0.255 | -0.08 | -4.66 |
| | | 6515 | | -8.26 | -8.44 | 0.255 | -7.62 | -8.51 | 0.255 | -8.18 | -8.24 | 0.255 | -0.08 | -4.86 |
| | 7 | 6535 | | -9.01 | -9.52 | 0.255 | -8.89 | -9.18 | 0.255 | -8.84 | -9.52 | 0.255 | -0.08 | -5.85 |
| | | 6695 | | -9.26 | -9.01 | 0.255 | -9.38 | -8.92 | 0.255 | -9.53 | -9.44 | 0.255 | -0.08 | -5.95 |
| | | 6855 | | -8.84 | -8.91 | 0.255 | -9.34 | -8.51 | 0.255 | -8.83 | -9.02 | 0.255 | 3.47 | -2.14 |
| | 8 | 6875 | | -9.55 | -9.30 | 0.255 | -9.31 | -8.46 | 0.255 | -9.31 | -9.15 | 0.255 | 3.47 | -2.13 |
| | | 6995 | | -8.43 | -8.33 | 0.255 | -7.99 | -7.70 | 0.255 | -8.33 | -7.99 | 0.255 | 3.47 | -1.11 |
| | | 7115 | | -8.16 | -8.04 | 0.255 | -8.27 | -7.30 | 0.255 | -8.21 | -7.80 | 0.255 | 3.47 | -1.02 |

| 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) $10\log(1/X)$ ^{Note 3} | AUX | Main | Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3} | AUX | Main | Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3} | | |
| 802.11ax-HE40 | 5 | 5965 | 26T | -6.29 | -6.43 | 0.255 | -5.82 | -5.90 | 0.255 | -6.15 | -6.09 | 0.255 | 1.60 | -0.99 |
| | | 6165 | | -7.22 | -7.72 | 0.255 | -7.37 | -7.39 | 0.255 | -7.33 | -7.66 | 0.255 | 1.60 | -2.51 |
| | | 6405 | | -7.64 | -8.45 | 0.255 | -7.67 | -8.32 | 0.255 | -7.68 | -8.28 | 0.255 | -0.08 | -4.78 |
| | 6 | 6445 | | -7.81 | -8.16 | 0.255 | -7.97 | -7.97 | 0.255 | -7.92 | -8.06 | 0.255 | -0.08 | -4.78 |
| | | 6485 | | -8.12 | -8.35 | 0.255 | -8.22 | -8.44 | 0.255 | -8.26 | -8.14 | 0.255 | -0.08 | -5.01 |
| | | 6525 | | -8.29 | -8.52 | 0.255 | -8.29 | -8.87 | 0.255 | -8.38 | -8.56 | 0.255 | -0.08 | -5.22 |
| | 7 | 6685 | | -9.60 | -9.04 | 0.255 | -9.37 | -9.22 | 0.255 | -9.51 | -8.96 | 0.255 | -0.08 | -6.04 |
| | | 6845 | | -8.75 | -8.37 | 0.255 | -9.24 | -8.41 | 0.255 | -9.33 | -8.46 | 0.255 | 3.47 | -1.82 |
| | | 6885 | | -9.24 | -8.57 | 0.255 | -9.81 | -9.01 | 0.255 | -9.68 | -9.47 | 0.255 | 3.47 | -2.16 |
| | 8 | 7005 | | -8.03 | -7.74 | 0.255 | -8.09 | -8.31 | 0.255 | -8.15 | -8.15 | 0.255 | 3.47 | -1.15 |
| | | 7085 | | -7.86 | -7.73 | 0.255 | -7.46 | -7.84 | 0.255 | -8.66 | -8.19 | 0.255 | 3.47 | -0.91 |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

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).

6. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

| 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 | -6.43 | -5.97 | 0.255 | -5.27 | -5.75 | 0.255 | -6.76 | -5.96 | 0.255 | 1.60 | -0.64 |
| | | 6145 | | -7.15 | -7.11 | 0.255 | -6.61 | -7.10 | 0.255 | -7.97 | -7.56 | 0.255 | 1.60 | -1.98 |
| | | 6385 | | -7.98 | -7.70 | 0.255 | -7.40 | -7.30 | 0.255 | -7.76 | -8.72 | 0.255 | -0.08 | -4.16 |
| | 6 | 6465 | | -8.40 | -7.89 | 0.255 | -7.48 | -7.84 | 0.255 | -8.66 | -8.49 | 0.255 | -0.08 | -4.47 |
| | | 6545 | | -8.64 | -8.68 | 0.255 | -8.24 | -8.12 | 0.255 | -9.26 | -8.84 | 0.255 | -0.08 | -4.99 |
| | | 6625 | | -9.77 | -8.88 | 0.255 | -8.92 | -8.42 | 0.255 | -10.13 | -8.80 | 0.255 | -0.08 | -5.48 |
| | 7 | 6705 | | -10.04 | -9.00 | 0.255 | -9.52 | -8.59 | 0.255 | -9.96 | -8.89 | 0.255 | -0.08 | -5.84 |
| | | 6785 | | -9.12 | -8.16 | 0.255 | -8.59 | -7.57 | 0.255 | -9.52 | -8.62 | 0.255 | -0.08 | -4.86 |
| | | 6865 | | -8.86 | -8.73 | 0.255 | -8.87 | -8.02 | 0.255 | -9.72 | -8.88 | 0.255 | 3.47 | -1.69 |
| | 8 | 6945 | | -8.04 | -7.54 | 0.255 | -7.39 | -7.20 | 0.255 | -8.62 | -8.32 | 0.255 | 3.47 | -0.56 |
| | | 7025 | | -8.79 | -8.20 | 0.255 | -8.20 | -7.87 | 0.255 | -8.92 | -8.72 | 0.255 | 3.47 | -1.30 |

| 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 | -8.04 | -7.86 | 0.255 | -6.61 | -6.56 | 0.255 | -6.40 | -5.83 | 0.255 | 1.60 | -1.24 |
| | | 6185 | | -8.71 | -8.47 | 0.255 | -7.81 | -8.02 | 0.255 | -7.47 | -7.42 | 0.255 | 1.60 | -2.58 |
| | | 6345 | | -9.72 | -9.26 | 0.255 | -8.34 | -7.87 | 0.255 | -7.75 | -7.60 | 0.255 | -0.08 | -4.49 |
| | 6 | 6505 | | -9.74 | -9.74 | 0.255 | -9.05 | -8.42 | 0.255 | -8.55 | -7.83 | 0.255 | -0.08 | -4.99 |
| | | 6665 | | -11.11 | -11.34 | 0.255 | -9.65 | -9.48 | 0.255 | -9.35 | -9.72 | 0.255 | -0.08 | -6.35 |
| | 7 | 6825 | | -10.23 | -10.12 | 0.255 | -8.90 | -9.25 | 0.255 | -8.42 | -8.97 | 0.255 | 3.47 | -1.95 |
| | | 6985 | | -9.25 | -9.45 | 0.255 | -8.35 | -8.53 | 0.255 | -8.39 | -7.54 | 0.255 | 3.47 | -1.21 |

| 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 | -6.27 | -6.24 | 0.255 | -7.26 | -6.62 | 0.255 | -8.62 | -7.92 | 0.255 | 1.60 | -1.39 |
| | | 6185 | | -7.60 | -7.76 | 0.255 | -7.66 | -7.86 | 0.255 | -9.40 | -9.35 | 0.255 | 1.60 | -2.81 |
| | | 6345 | | -7.68 | -7.57 | 0.255 | -8.60 | -7.90 | 0.255 | -10.36 | -9.35 | 0.255 | -0.08 | -4.44 |
| | 6 | 6505 | | -7.89 | -7.76 | 0.255 | -8.91 | -8.64 | 0.255 | -11.11 | -10.59 | 0.255 | -0.08 | -4.64 |
| | | 6665 | | -9.04 | -9.34 | 0.255 | -9.53 | -9.68 | 0.255 | -11.03 | -11.17 | 0.255 | -0.08 | -6.00 |
| | 7 | 6825 | | -8.39 | -8.94 | 0.255 | -9.30 | -9.64 | 0.255 | -10.74 | -11.51 | 0.255 | 3.47 | -1.92 |
| | | 6985 | | -8.01 | -8.27 | 0.255 | -8.49 | -9.01 | 0.255 | -9.93 | -10.42 | 0.255 | 3.47 | -1.40 |

- 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^{1.6/10} + 10^{1.6/10})/2] = 1.60dBi
 6525MHz: Directional gain = 10 log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08dBi
 7125MHz: Directional gain = 10 log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47dBi
 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).
6. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

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) $10\log(1/X)$ ^{Note 3} | AUX | Main | Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3} | AUX | Main | Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3} | | |
| 802.11ax-HE20 | 5 | 5955 | 52T | -2.83 | -2.75 | 0.119 | -2.67 | -2.63 | 0.119 | -3.00 | -2.92 | 0.119 | 1.6 | 2.079 |
| | | 6175 | | -3.89 | -4.10 | 0.119 | -4.20 | -4.48 | 0.119 | -4.02 | -4.60 | 0.119 | 1.6 | 0.736 |
| | | 6415 | | -4.00 | -5.14 | 0.119 | -4.54 | -5.24 | 0.119 | -4.77 | -5.28 | 0.119 | -0.08 | -1.483 |
| | 6 | 6435 | | -5.20 | -4.73 | 0.119 | -4.49 | -4.94 | 0.119 | -4.39 | -5.14 | 0.119 | -0.08 | -1.660 |
| | | 6475 | | -4.74 | -5.07 | 0.119 | -4.72 | -4.95 | 0.119 | -5.15 | -5.06 | 0.119 | -0.08 | -1.784 |
| | | 6515 | | -5.30 | -5.35 | 0.119 | -4.94 | -4.85 | 0.119 | -4.74 | -5.24 | 0.119 | -0.08 | -1.845 |
| | 7 | 6535 | | -5.53 | -6.25 | 0.119 | -5.61 | -6.34 | 0.119 | -6.08 | -6.40 | 0.119 | -0.08 | -2.826 |
| | | 6695 | | -6.25 | -6.00 | 0.119 | -5.96 | -5.87 | 0.119 | -5.96 | -5.73 | 0.119 | -0.08 | -2.794 |
| | | 6855 | | -5.77 | -5.14 | 0.119 | -5.84 | -5.70 | 0.119 | -5.82 | -5.47 | 0.119 | 3.47 | 1.156 |
| | 8 | 6875 | | -6.29 | -5.23 | 0.119 | -5.93 | -5.28 | 0.119 | -6.05 | -5.92 | 0.119 | 3.47 | 1.006 |
| | | 6995 | | -5.16 | -5.15 | 0.119 | -4.67 | -4.54 | 0.119 | -5.25 | -4.98 | 0.119 | 3.47 | 1.995 |
| | | 7115 | | -4.57 | -4.75 | 0.119 | -4.82 | -4.72 | 0.119 | -8.83 | -8.57 | 0.119 | 3.47 | 1.940 |

| 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) $10\log(1/X)$ ^{Note 3} | AUX | Main | Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3} | AUX | Main | Duty Cycle Factor (dB) $10\log(1/X)$ ^{Note 3} | | |
| 802.11ax-HE40 | 5 | 5965 | 52T | -2.96 | -3.15 | 0.119 | -2.87 | -2.99 | 0.119 | -3.48 | -2.97 | 0.119 | 1.6 | 1.80 |
| | | 6165 | | -3.89 | -4.31 | 0.119 | -4.02 | -4.82 | 0.119 | -4.20 | -4.67 | 0.119 | 1.6 | 0.63 |
| | | 6405 | | -4.18 | -5.19 | 0.119 | -4.58 | -4.80 | 0.119 | -4.59 | -4.98 | 0.119 | -0.08 | -1.61 |
| | 6 | 6445 | | -4.55 | -4.49 | 0.119 | -4.85 | -4.78 | 0.119 | -4.60 | -5.08 | 0.119 | -0.08 | -1.47 |
| | | 6485 | | -4.44 | -5.18 | 0.119 | -4.74 | -5.06 | 0.119 | -4.59 | -5.45 | 0.119 | -0.08 | -1.74 |
| | 7 | 6525 | | -5.13 | -5.10 | 0.119 | -4.97 | -5.63 | 0.119 | -4.81 | -5.02 | 0.119 | -0.08 | -1.86 |
| | | 6685 | | -6.51 | -6.07 | 0.119 | -6.13 | -5.66 | 0.119 | -6.49 | -6.14 | 0.119 | -0.08 | -2.84 |
| | | 6845 | | -6.15 | -5.52 | 0.119 | -5.87 | -5.47 | 0.119 | -6.36 | -5.66 | 0.119 | 3.47 | 0.93 |
| | 8 | 6885 | | -5.94 | -5.67 | 0.119 | -6.26 | -5.75 | 0.119 | -6.51 | -5.95 | 0.119 | 3.47 | 0.80 |
| | | 7005 | | -4.99 | -5.21 | 0.119 | -5.21 | -5.02 | 0.119 | -5.63 | -4.97 | 0.119 | 3.47 | 1.50 |
| | | 7085 | | -4.43 | -4.16 | 0.119 | -4.54 | -4.70 | 0.119 | -4.92 | -4.85 | 0.119 | 3.47 | 2.31 |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

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).

6. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

| 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 | -2.99 | -3.16 | 0.119 | -2.52 | -2.51 | 0.119 | -3.46 | -3.46 | 0.119 | 1.6 | 2.21 | | |
| | | 6145 | | -4.27 | -4.30 | 0.119 | -3.55 | -4.14 | 0.119 | -4.34 | -4.84 | 0.119 | 1.6 | 0.89 | | |
| | | 6385 | | -5.19 | -4.81 | 0.119 | -4.55 | -4.32 | 0.119 | -5.77 | -5.18 | 0.119 | -0.08 | -1.38 | | |
| | 6 | 6465 | | -5.05 | -5.60 | 0.119 | -4.93 | -5.00 | 0.119 | -5.23 | -5.64 | 0.119 | -0.08 | -1.92 | | |
| | | 6545 | | -5.31 | -5.95 | 0.119 | -5.53 | -5.49 | 0.119 | -5.76 | -6.07 | 0.119 | -0.08 | -2.46 | | |
| | 7 | 6625 | | -6.38 | -6.99 | 0.119 | -5.90 | -6.91 | 0.119 | -6.53 | -7.38 | 0.119 | -0.08 | -3.33 | | |
| | | 6705 | | -6.52 | -7.37 | 0.119 | -5.35 | -7.08 | 0.119 | -6.42 | -7.28 | 0.119 | -0.08 | -3.08 | | |
| | 8 | 6785 | | -5.39 | -6.48 | 0.119 | -5.17 | -5.97 | 0.119 | -5.43 | -6.82 | 0.119 | -0.08 | -2.50 | | |
| | | 6865 | | -5.82 | -6.62 | 0.119 | -5.00 | -6.21 | 0.119 | -6.18 | -7.56 | 0.119 | 3.47 | 1.04 | | |
| | | 6945 | | -5.10 | -5.54 | 0.119 | -4.68 | -5.53 | 0.119 | -5.20 | -5.71 | 0.119 | 3.47 | 1.52 | | |
| | | | | 7025 | | -5.31 | -5.88 | 0.119 | -4.81 | -5.47 | 0.119 | -5.85 | -6.71 | 0.119 | 3.47 | 1.47 |

| 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 | -4.64 | -4.44 | 0.119 | -3.39 | -3.22 | 0.119 | -3.05 | -2.99 | 0.119 | 1.6 | 1.71 |
| | | 6185 | | -6.13 | -5.60 | 0.119 | -4.75 | -4.51 | 0.119 | -4.22 | -4.28 | 0.119 | 1.6 | 0.48 |
| | | 6345 | | -6.02 | -6.09 | 0.119 | -5.37 | -4.63 | 0.119 | -4.66 | -3.98 | 0.119 | -0.08 | -1.26 |
| | 6 | 6505 | | -6.68 | -6.70 | 0.119 | -6.06 | -5.31 | 0.119 | -5.07 | -5.51 | 0.119 | -0.08 | -2.24 |
| | | 6665 | | -7.59 | -7.76 | 0.119 | -6.34 | -6.51 | 0.119 | -6.05 | -5.95 | 0.119 | -0.08 | -2.95 |
| | 7 | 6825 | | -6.96 | -7.33 | 0.119 | -5.53 | -6.45 | 0.119 | -5.34 | -5.91 | 0.119 | 3.47 | 0.98 |
| | | 6985 | | -5.70 | -6.26 | 0.119 | -5.49 | -5.50 | 0.119 | -4.81 | -5.26 | 0.119 | 3.47 | 1.57 |

| 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 | -3.21 | -3.13 | 0.119 | -3.63 | -3.95 | 0.119 | -5.29 | -4.95 | 0.119 | 1.6 | 1.56 |
| | | 6185 | | -4.48 | -4.16 | 0.119 | -4.91 | -4.36 | 0.119 | -6.49 | -6.37 | 0.119 | 1.6 | 0.41 |
| | | 6345 | | -4.78 | -4.33 | 0.119 | -5.14 | -4.34 | 0.119 | -7.47 | -5.97 | 0.119 | -0.08 | -1.50 |
| | 6 | 6505 | | -5.16 | -4.86 | 0.119 | -6.26 | -5.22 | 0.119 | -7.72 | -7.41 | 0.119 | -0.08 | -1.96 |
| | | 6665 | | -6.15 | -6.39 | 0.119 | -6.38 | -6.88 | 0.119 | -7.65 | -8.20 | 0.119 | -0.08 | -3.22 |
| | 7 | 6825 | | -5.74 | -6.10 | 0.119 | -6.22 | -6.56 | 0.119 | -7.67 | -7.98 | 0.119 | 3.47 | 0.68 |
| | | 6985 | | -4.71 | -5.33 | 0.119 | -5.51 | -5.78 | 0.119 | -7.08 | -7.65 | 0.119 | 3.47 | 1.59 |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

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).

6. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

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 | 0.25 | -0.23 | N/A | -0.07 | 0.02 | N/A | 1.60 | 4.63 |
| | | 6175 | | -0.94 | -1.35 | N/A | -1.17 | -1.24 | N/A | 1.60 | 3.47 |
| | | 6415 | | -1.33 | -2.32 | N/A | -1.87 | -2.09 | N/A | -0.08 | 1.13 |
| | 6 | 6435 | | -1.82 | -1.37 | N/A | -1.67 | -1.53 | N/A | -0.08 | 1.34 |
| | | 6475 | | -1.87 | -2.09 | N/A | -1.79 | -1.82 | N/A | -0.08 | 1.13 |
| | | 6515 | | -1.79 | -2.35 | N/A | -2.05 | -1.82 | N/A | -0.08 | 1.00 |
| | 7 | 6535 | | -2.79 | -2.68 | N/A | -2.80 | -2.59 | N/A | -0.08 | 0.24 |
| | | 6695 | | -3.42 | -2.66 | N/A | -3.29 | -2.62 | N/A | -0.08 | -0.01 |
| | | 6855 | | -3.03 | -2.38 | N/A | -2.77 | -2.74 | N/A | 3.47 | 3.79 |
| | 8 | 6875 | | -2.76 | -2.40 | N/A | -3.20 | -2.55 | N/A | 3.47 | 3.90 |
| | | 6995 | | -1.89 | -1.58 | N/A | -2.04 | -2.04 | N/A | 3.47 | 4.75 |
| | | 7115 | | -1.77 | -1.34 | N/A | -8.75 | -8.45 | N/A | 3.47 | 4.93 |

| 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 | 0.10 | -0.27 | N/A | -0.01 | 0.37 | N/A | 0.24 | 0.33 | N/A | 1.60 | 4.90 |
| | | 6165 | | -1.25 | -1.76 | N/A | -1.10 | -1.07 | N/A | -1.12 | -1.14 | N/A | 1.60 | 3.53 |
| | | 6405 | | -1.47 | -2.17 | N/A | -1.80 | -2.21 | N/A | -2.00 | -2.61 | N/A | -0.08 | 1.12 |
| | 6 | 6445 | | -1.63 | -1.67 | N/A | -1.49 | -1.76 | N/A | -1.88 | -1.93 | N/A | -0.08 | 1.31 |
| | | 6485 | | -1.91 | -2.18 | N/A | -1.52 | -1.99 | N/A | -2.09 | -2.11 | N/A | -0.08 | 1.18 |
| | | 6525 | | -1.77 | -2.23 | N/A | -1.98 | -2.20 | N/A | -2.05 | -2.51 | N/A | -0.08 | 0.94 |
| | 7 | 6685 | | -3.17 | -2.89 | N/A | -3.43 | -2.61 | N/A | -3.60 | -2.93 | N/A | -0.08 | -0.07 |
| | | 6845 | | -2.88 | -2.49 | N/A | -3.30 | -2.26 | N/A | -3.38 | -2.69 | N/A | 3.47 | 3.80 |
| | | 6885 | | -3.46 | -2.55 | N/A | -3.14 | -2.36 | N/A | -3.48 | -3.02 | N/A | 3.47 | 3.75 |
| | 8 | 7005 | | -2.01 | -1.64 | N/A | -1.94 | -1.96 | N/A | -2.24 | -2.19 | N/A | 3.47 | 4.66 |
| | | 7085 | | -1.84 | -1.72 | N/A | -1.78 | -1.36 | N/A | -1.95 | -1.56 | N/A | 3.47 | 4.92 |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

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).

6. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

| 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 | -0.02 | -0.34 | N/A | 0.34 | 0.09 | N/A | -0.29 | -0.57 | N/A | 1.60 | 4.83 |
| | | 6145 | | -1.19 | -1.39 | N/A | -1.27 | -1.04 | N/A | -1.89 | -1.33 | N/A | 1.60 | 3.46 |
| | | 6385 | | -1.88 | -2.12 | N/A | -2.29 | -1.59 | N/A | -2.28 | -2.61 | N/A | -0.08 | 1.00 |
| | 6 | 6465 | | -2.32 | -2.77 | N/A | -2.03 | -1.88 | N/A | -2.27 | -2.68 | N/A | -0.08 | 0.98 |
| | | 6545 | | -2.02 | -2.66 | N/A | -2.13 | -2.61 | N/A | -3.16 | -2.99 | N/A | -0.08 | 0.60 |
| | 7 | 6625 | | -2.83 | -3.94 | N/A | -2.98 | -3.57 | N/A | -2.87 | -4.13 | N/A | -0.08 | -0.33 |
| | | 6705 | | -3.40 | -4.04 | N/A | -2.54 | -3.78 | N/A | -2.78 | -4.69 | N/A | -0.08 | -0.19 |
| | | 6785 | | -2.11 | -3.07 | N/A | -1.78 | -2.45 | N/A | -2.35 | -3.31 | N/A | -0.08 | 0.83 |
| | 8 | 6865 | | -2.54 | -3.20 | N/A | -2.36 | -3.24 | N/A | -2.63 | -4.08 | N/A | 3.47 | 3.70 |
| | | 6945 | | -1.55 | -2.28 | N/A | -1.25 | -2.08 | N/A | -2.13 | -2.54 | N/A | 3.47 | 4.84 |
| | | 7025 | | -1.80 | -2.07 | N/A | -1.36 | -2.14 | N/A | -2.43 | -2.67 | N/A | 3.47 | 4.75 |

| 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 | -1.29 | -1.69 | N/A | -0.18 | -0.08 | N/A | -0.04 | 0.14 | N/A | 1.60 | 4.66 |
| | | 6185 | | -2.83 | -2.03 | N/A | -1.33 | -1.52 | N/A | -1.10 | -1.11 | N/A | 1.60 | 3.51 |
| | | 6345 | | -3.74 | -2.60 | N/A | -2.43 | -1.24 | N/A | -1.80 | -1.03 | N/A | -0.08 | 1.53 |
| | 6 | 6505 | | -3.35 | -3.51 | N/A | -2.47 | -2.51 | N/A | -2.04 | -1.96 | N/A | -0.08 | 0.93 |
| | | 6665 | | -4.54 | -4.43 | N/A | -3.89 | -3.82 | N/A | -3.11 | -3.21 | N/A | -0.08 | -0.23 |
| | 7 | 6825 | | -4.18 | -3.83 | N/A | -3.30 | -2.60 | N/A | -2.53 | -2.70 | N/A | 3.47 | 3.87 |
| | | 6985 | | -2.76 | -2.48 | N/A | -2.11 | -2.22 | N/A | -1.60 | -1.66 | N/A | 3.47 | 4.85 |

| 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 (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 | 106T | -0.24 | -0.02 | N/A | -0.51 | -0.08 | N/A | -2.38 | -2.32 | N/A | 1.60 | 4.48 |
| | | 6185 | | -1.37 | -1.16 | N/A | -2.04 | -1.48 | N/A | -3.16 | -3.04 | N/A | 1.60 | 3.35 |
| | | 6345 | | -1.45 | -1.45 | N/A | -2.22 | -1.72 | N/A | -3.78 | -2.90 | N/A | -0.08 | 1.48 |
| | 6 | 6505 | | -2.15 | -2.13 | N/A | -2.41 | -2.93 | N/A | -4.03 | -4.09 | N/A | -0.08 | 0.79 |
| | | 6665 | | -3.53 | -3.71 | N/A | -3.55 | -3.64 | N/A | -5.12 | -5.32 | N/A | -0.08 | -0.66 |
| | 7 | 6825 | | -2.64 | -2.28 | N/A | -3.54 | -3.17 | N/A | -4.73 | -4.73 | N/A | 3.47 | 4.02 |
| | | 6985 | | -2.07 | -1.78 | N/A | -2.37 | -2.28 | N/A | -3.79 | -3.88 | N/A | 3.47 | 4.56 |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

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).

6. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Tones: 242T

| 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 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) ^{Note 3} 10log(1/X) | | |
| 802.11ax-HE20 | 5 | 5955 | 242T | 1.81 | 2.01 | 0.119 | 1.60 | 6.64 |
| | | 6175 | | 2.28 | 1.8 | 0.119 | 1.60 | 6.78 |
| | | 6415 | | 1.65 | 1.99 | 0.119 | -0.08 | 4.87 |
| | 6 | 6435 | | 1.21 | 1.46 | 0.119 | -0.08 | 4.39 |
| | | 6475 | | 1.55 | 1.58 | 0.119 | -0.08 | 4.61 |
| | | 6515 | | 1.55 | 1.73 | 0.119 | -0.08 | 4.69 |
| | 7 | 6535 | | 0.9 | 1.26 | 0.119 | -0.08 | 4.13 |
| | | 6695 | | 1.83 | 1.37 | 0.119 | -0.08 | 4.66 |
| | | 6855 | | 1.39 | 1.39 | 0.119 | 3.47 | 7.99 |
| | 8 | 6875 | | 0.64 | 1.19 | 0.119 | 3.47 | 7.52 |
| | | 6995 | | 0.62 | 0.78 | 0.119 | 3.47 | 7.30 |
| | | 7115 | | -2.92 | -2.81 | 0.119 | 3.47 | 3.73 |

| 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 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) ^{Note 3} 10log(1/X) | AUX | Main | Duty Cycle Factor (dB) ^{Note 3} 10log(1/X) | | |
| 802.11ax-HE40 | 5 | 5965 | 242T | 1.75 | 1.14 | 0.119 | 1.55 | 0.86 | 0.119 | 1.60 | 6.19 |
| | | 6165 | | 1.82 | 1.27 | 0.119 | 1.76 | 0.69 | 0.119 | 1.60 | 6.28 |
| | | 6405 | | 1.44 | 1.18 | 0.119 | 1.31 | 1.49 | 0.119 | -0.08 | 4.45 |
| | 6 | 6445 | | 1.21 | 0.91 | 0.119 | 0.92 | 0.66 | 0.119 | -0.08 | 4.11 |
| | | 6485 | | 0.68 | 0.43 | 0.119 | 0.74 | 1.37 | 0.119 | -0.08 | 4.12 |
| | | 6525 | | 0.96 | 0.3 | 0.119 | 2.4 | 1.38 | 0.119 | -0.08 | 4.97 |
| | 7 | 6685 | | 1.24 | 0 | 0.119 | 0.98 | -0.16 | 0.119 | -0.08 | 3.71 |
| | | 6845 | | 0.96 | -0.01 | 0.119 | 1.09 | -0.15 | 0.119 | 3.47 | 7.11 |
| | | 6885 | | 0.29 | -0.36 | 0.119 | 0.7 | 0.01 | 0.119 | 3.47 | 6.97 |
| | 8 | 7005 | | 0.34 | -0.5 | 0.119 | 0.4 | -0.62 | 0.119 | 3.47 | 6.54 |
| | | 7085 | | 1.03 | 0.06 | 0.119 | 1.25 | 0.22 | 0.119 | 3.47 | 7.36 |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

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).

6. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

| 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 | 2.47 | 2.69 | 0.119 | 1.92 | 2.53 | 0.119 | 2.51 | 2.34 | 0.119 | 1.60 | 7.31 |
| | | 6145 | | 2.27 | 2.01 | 0.119 | 2.14 | 2.39 | 0.119 | 1.86 | 2.25 | 0.119 | 1.60 | 7.00 |
| | | 6385 | | 2.07 | 1.76 | 0.119 | 2.05 | 2.2 | 0.119 | 1.9 | 2.03 | 0.119 | -0.08 | 5.17 |
| | 6 | 6465 | | 1.84 | 0.96 | 0.119 | 2.58 | 2.32 | 0.119 | 1.33 | 1.4 | 0.119 | -0.08 | 5.50 |
| | | 6545 | | 1.24 | 1.53 | 0.119 | 1.94 | 2.65 | 0.119 | 1.69 | 2.21 | 0.119 | -0.08 | 5.36 |
| | 7 | 6625 | | 0.51 | 1.16 | 0.119 | 0.77 | 1.68 | 0.119 | 0.73 | 1.46 | 0.119 | -0.08 | 4.30 |
| | | 6705 | | 0.86 | 1.53 | 0.119 | 1.31 | 1.88 | 0.119 | 0.74 | 1.61 | 0.119 | -0.08 | 4.65 |
| | | 6785 | | 0.56 | 1.29 | 0.119 | 0.81 | 1.69 | 0.119 | 0.98 | 1.32 | 0.119 | -0.08 | 4.32 |
| | 8 | 6865 | | 0.79 | 1.47 | 0.119 | 0.94 | 1.77 | 0.119 | 0.3 | 0.61 | 0.119 | 3.47 | 7.97 |
| | | 6945 | | 0.35 | 1.01 | 0.119 | 1.11 | 1.71 | 0.119 | 0.11 | 0.7 | 0.119 | 3.47 | 8.02 |
| | | 7025 | | -0.26 | 0.69 | 0.119 | 1.15 | 2.12 | 0.119 | 0.07 | 0.97 | 0.119 | 3.47 | 8.26 |

| 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 | 1.95 | 2.22 | 0.119 | 2.2 | 2.8 | 0.119 | 1.13 | 2.54 | 0.119 | 1.60 | 7.24 |
| | | 6185 | | 1.41 | 2.18 | 0.119 | 2.09 | 2.96 | 0.119 | 1.71 | 1.93 | 0.119 | 1.60 | 7.28 |
| | | 6345 | | 1.67 | 2.5 | 0.119 | 2.05 | 2.58 | 0.119 | 1.63 | 2.33 | 0.119 | -0.08 | 5.37 |
| | 6 | 6505 | | 1.06 | 1.68 | 0.119 | 2.37 | 2.59 | 0.119 | 1.44 | 1.36 | 0.119 | -0.08 | 5.53 |
| | | 6665 | | -0.25 | 1.27 | 0.119 | 0.12 | 1.75 | 0.119 | -0.11 | 2.07 | 0.119 | -0.08 | 4.16 |
| | 7 | 6825 | | -0.63 | 1.4 | 0.119 | 0.38 | 1.44 | 0.119 | -0.63 | 1.15 | 0.119 | 3.47 | 7.54 |
| | | 6985 | | -0.76 | 0.04 | 0.119 | 0.76 | 1.81 | 0.119 | -0.66 | 0.27 | 0.119 | 3.47 | 7.92 |

| 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 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 | 1.7 | 2.53 | 0.119 | 1.28 | 2.15 | 0.119 | 1.56 | 2.52 | 0.119 | 1.60 | 6.86 |
| | | 6185 | | 1.67 | 2.52 | 0.119 | 1.16 | 2.53 | 0.119 | 1.39 | 2.6 | 0.119 | 1.60 | 6.85 |
| | | 6345 | | 1.84 | 2.05 | 0.119 | 1.25 | 2.21 | 0.119 | 1.84 | 2.7 | 0.119 | -0.08 | 5.34 |
| | 6 | 6505 | | 1.33 | 1.51 | 0.119 | 1.81 | 2.14 | 0.119 | 1.54 | 2.05 | 0.119 | -0.08 | 5.03 |
| | | 6665 | | -0.44 | 0.93 | 0.119 | -0.84 | 1.27 | 0.119 | -0.92 | 1.54 | 0.119 | -0.08 | 3.53 |
| | 7 | 6825 | | -0.39 | 1.07 | 0.119 | -0.28 | 1.38 | 0.119 | -0.41 | 0.53 | 0.119 | 3.47 | 7.23 |
| | | 6985 | | -0.66 | 0.62 | 0.119 | -0.11 | 1.32 | 0.119 | -0.39 | 0.46 | 0.119 | 3.47 | 7.26 |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

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).

6. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Tones: 484T

| 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 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) ^{Note 3} 10log(1/X) | | |
| 802.11ax-HE40 | 5 | 5965 | 484T | 4.68 | 5.4 | N/A | 1.60 | 9.67 |
| | | 6165 | | 5.02 | 5.32 | N/A | 1.60 | 9.78 |
| | | 6405 | | 4.91 | 5.18 | N/A | -0.08 | 7.98 |
| | 6 | 6445 | | 5.1 | 5.63 | N/A | -0.08 | 8.30 |
| | | 6485 | | 5.12 | 5.25 | N/A | -0.08 | 8.12 |
| | 7 | 6525 | | 5.29 | 5.23 | N/A | -0.08 | 8.19 |
| | | 6685 | | 4.51 | 4.48 | N/A | -0.08 | 7.43 |
| | | 6845 | | 4.41 | 4.34 | N/A | 3.47 | 10.86 |
| | 8 | 6885 | | 4.65 | 4.77 | N/A | 3.47 | 11.19 |
| | | 7005 | | 4.27 | 4.02 | N/A | 3.47 | 10.63 |
| | | 7085 | | 4.73 | 4.65 | N/A | 3.47 | 11.17 |

| 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) ^{Note 3} 10log(1/X) | AUX | Main | Duty Cycle Factor (dB) ^{Note 3} 10log(1/X) | | |
| 802.11ax-HE80 | 5 | 5985 | 484T | 4.9 | 5.61 | N/A | 5 | 4.9 | N/A | 1.60 | 9.88 |
| | | 6145 | | 5.14 | 4.81 | N/A | 4.84 | 4.76 | N/A | 1.60 | 9.59 |
| | | 6385 | | 4.87 | 4.84 | N/A | 5.57 | 5.32 | N/A | -0.08 | 8.38 |
| | 6 | 6465 | | 5.13 | 4.85 | N/A | 5.33 | 5.27 | N/A | -0.08 | 8.23 |
| | | 6545 | | 4.98 | 5.64 | N/A | 4.98 | 5.34 | N/A | -0.08 | 8.25 |
| | 7 | 6625 | | 4.07 | 4.07 | N/A | 3.95 | 4.14 | N/A | -0.08 | 7.00 |
| | | 6705 | | 3.89 | 4.32 | N/A | 4.07 | 4.42 | N/A | -0.08 | 7.18 |
| | | 6785 | | 4.08 | 4.39 | N/A | 4.26 | 4.57 | N/A | -0.08 | 7.35 |
| | 8 | 6865 | | 4.06 | 4.35 | N/A | 4.2 | 4.05 | N/A | 3.47 | 10.69 |
| | | 6945 | | 4.36 | 4.15 | N/A | 3.91 | 4.49 | N/A | 3.47 | 10.74 |
| | | 7025 | | 3.82 | 3.99 | N/A | 3.94 | 4.4 | N/A | 3.47 | 10.66 |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

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).

6. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

| 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) ^{Note 3} 10log(1/X) | AUX | Main | Duty Cycle Factor (dB) ^{Note 3} 10log(1/X) | | |
| 802.11ax-HE160 (80L) | 5 | 6025 | 484T | 4.54 | 5.21 | N/A | 4.51 | 5.23 | N/A | 1.60 | 9.50 |
| | | 6185 | | 4.95 | 5.22 | N/A | 4.8 | 5.52 | N/A | 1.60 | 9.79 |
| | | 6345 | | 4.67 | 5.12 | N/A | 5.02 | 5.08 | N/A | -0.08 | 7.98 |
| | 6 | 6505 | | 5.04 | 4.58 | N/A | 4.65 | 5.39 | N/A | -0.08 | 7.97 |
| | 7 | 6665 | | 3.8 | 4.27 | N/A | 3.6 | 4.13 | N/A | -0.08 | 6.97 |
| | | 6825 | | 3.71 | 4.36 | N/A | 3.16 | 4.72 | N/A | 3.47 | 10.53 |
| | | 6985 | | 3.97 | 4.35 | N/A | 3.99 | 4.32 | N/A | 3.47 | 10.64 |

| 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) ^{Note 3} 10log(1/X) | AUX | Main | Duty Cycle Factor (dB) ^{Note 3} 10log(1/X) | | |
| 802.11ax-HE160 (80H) | 5 | 6025 | 484T | 4.43 | 5.07 | N/A | 4.62 | 4.78 | N/A | 1.60 | 9.37 |
| | | 6185 | | 4.74 | 4.84 | N/A | 4.8 | 4.78 | N/A | 1.60 | 9.40 |
| | | 6345 | | 3.98 | 5.07 | N/A | 4.83 | 5.02 | N/A | -0.08 | 7.86 |
| | 6 | 6505 | | 4.9 | 5.6 | N/A | 4.74 | 5.09 | N/A | -0.08 | 8.19 |
| | 7 | 6665 | | 3.49 | 4.06 | N/A | 3.5 | 4.29 | N/A | -0.08 | 6.84 |
| | | 6825 | | 3.82 | 4.37 | N/A | 4.09 | 4.58 | N/A | 3.47 | 10.82 |
| | | 6985 | | 3.83 | 4.33 | N/A | 3.76 | 4.7 | N/A | 3.47 | 10.74 |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

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).

6. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.

Tones: 996T

| 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 67 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) ^{Note 3} 10log(1/X) | | |
| 802.11ax-HE80 | 5 | 5985 | 996T | 7.06 | 6.67 | 0.146 | 1.60 | 11.63 |
| | | 6145 | | 6.99 | 5.77 | 0.146 | 1.60 | 11.18 |
| | | 6385 | | 7.19 | 6.35 | 0.146 | -0.08 | 9.87 |
| | 6 | 6465 | | 7.24 | 6.05 | 0.146 | -0.08 | 9.76 |
| | | 6545 | | 7.27 | 6.00 | 0.146 | -0.08 | 9.76 |
| | 7 | 6625 | | 6.57 | 5.58 | 0.146 | -0.08 | 9.18 |
| | | 6705 | | 6.35 | 5.30 | 0.146 | -0.08 | 8.93 |
| | | 6785 | | 6.15 | 5.25 | 0.146 | -0.08 | 8.80 |
| | 8 | 6865 | | 5.97 | 5.13 | 0.146 | 3.47 | 12.20 |
| | | 6945 | | 5.89 | 5.40 | 0.146 | 3.47 | 12.28 |
| | | 7025 | | 6.58 | 5.55 | 0.146 | 3.47 | 12.72 |

| 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 67 | | | RU Index S67 | | | | |
| | | | | AUX | Main | Duty Cycle Factor (dB) ^{Note 3} 10log(1/X) | AUX | Main | Duty Cycle Factor (dB) ^{Note 3} 10log(1/X) | | |
| 802.11ax-HE160 | 5 | 6025 | 996T | 7.02 | 6.64 | 0.146 | 6.84 | 6.51 | 0.146 | 1.60 | 11.59 |
| | | 6185 | | 7.03 | 6.37 | 0.146 | 7.52 | 6.51 | 0.146 | 1.60 | 11.80 |
| | | 6345 | | 7.41 | 6.90 | 0.146 | 7.59 | 6.67 | 0.146 | -0.08 | 10.24 |
| | 6 | 6505 | | 7.21 | 6.05 | 0.146 | 6.93 | 5.88 | 0.146 | -0.08 | 9.74 |
| | | 6665 | | 6.51 | 5.48 | 0.146 | 6.19 | 5.55 | 0.146 | -0.08 | 9.10 |
| | 7 | 6825 | | 6.10 | 5.54 | 0.146 | 5.94 | 5.30 | 0.146 | 3.47 | 12.46 |
| | | 6985 | | 6.10 | 5.66 | 0.146 | 5.99 | 5.69 | 0.146 | 3.47 | 12.51 |

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

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{\text{ANT}}] \text{ dBi}$$

Directional gain:

$$5925\text{MHz: Directional gain} = 10 \log[(10^{1.6/10} + 10^{1.6/10})/2] = 1.60\text{dBi}$$

$$6525\text{MHz: Directional gain} = 10 \log[(10^{-0.5/10} + 10^{0.3/10})/2] = -0.08\text{dBi}$$

$$7125\text{MHz: Directional gain} = 10 \log[(10^{3.9/10} + 10^{3.0/10})/2] = 3.47\text{dBi}$$

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).

6. We did spot check for output power and all output power values keep identical or lower thus other conducted items is exempt.