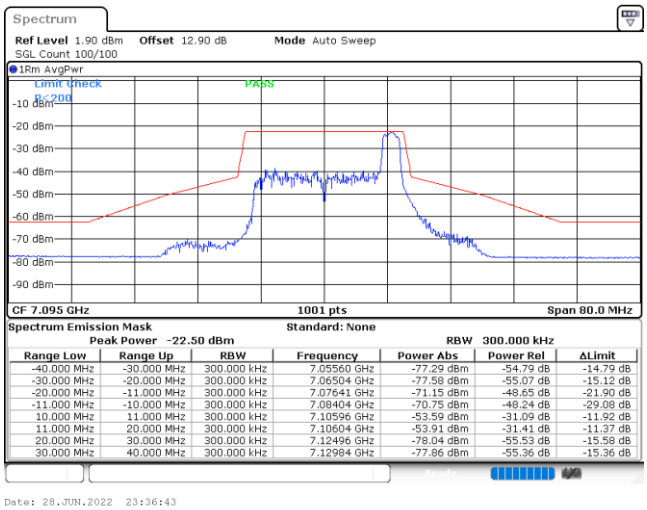
**Plot on Channel 7095MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 7.05560 GHz | -77.29 dBm | -54.79 dB | -14.79 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 7.06504 GHz | -77.58 dBm | -55.07 dB | -15.12 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 7.07641 GHz | -71.15 dBm | -48.65 dB | -21.90 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 7.08404 GHz | -70.75 dBm | -48.24 dB | -29.08 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 7.10596 GHz | -53.59 dBm | -31.09 dB | -11.92 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 7.10604 GHz | -53.91 dBm | -31.41 dB | -11.37 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 7.12496 GHz | -78.04 dBm | -55.53 dB | -15.58 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 7.12984 GHz | -77.86 dBm | -55.36 dB | -15.36 dB |

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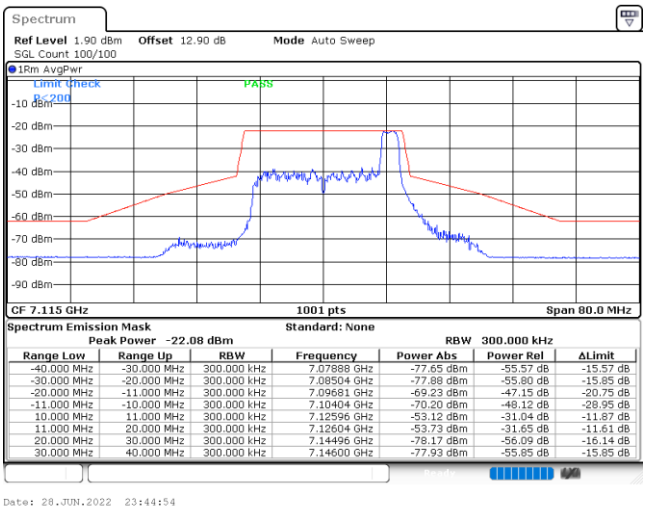
**Plot on Channel 7115MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 7.07888 GHz | -77.65 dBm | -55.57 dB | -15.57 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 7.08504 GHz | -77.88 dBm | -55.80 dB | -15.85 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 7.09681 GHz | -69.23 dBm | -47.15 dB | -20.75 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 7.10404 GHz | -70.20 dBm | -48.12 dB | -28.95 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 7.12596 GHz | -53.12 dBm | -31.04 dB | -11.87 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 7.12604 GHz | -53.73 dBm | -31.65 dB | -11.61 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 7.14496 GHz | -78.17 dBm | -56.09 dB | -16.14 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 7.14600 GHz | -77.93 dBm | -55.85 dB | -15.85 dB |

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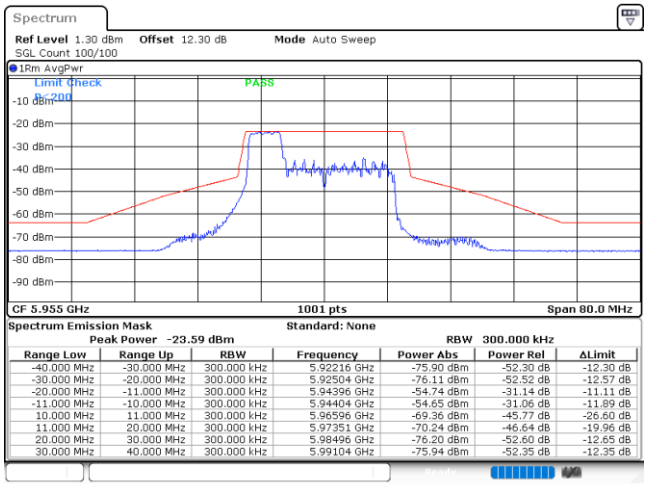
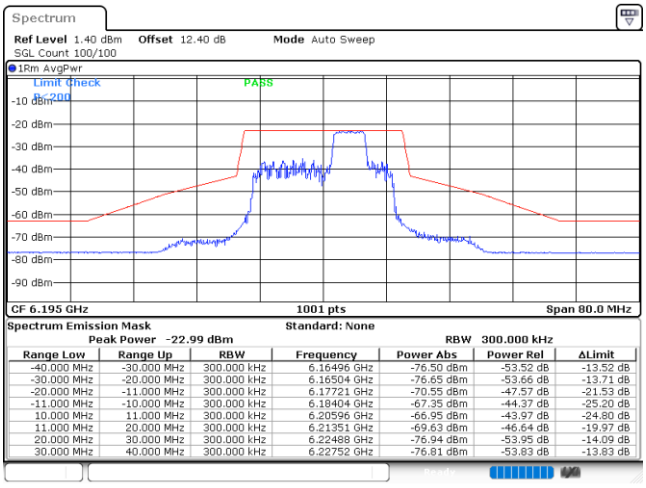
| EUT Mode : | 802.11ax HE20 52RU |
|---|---|

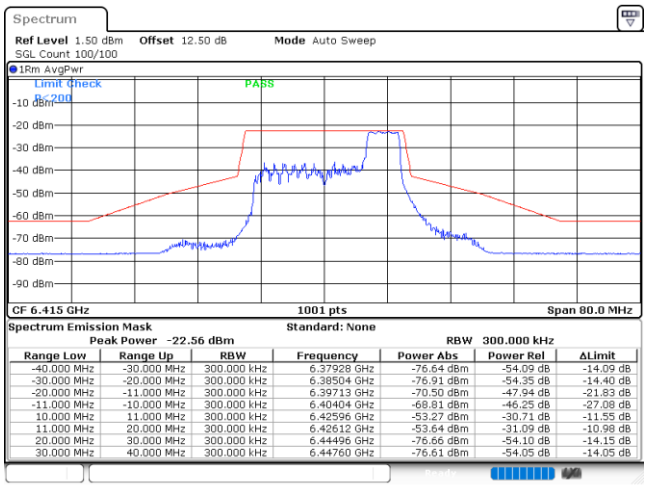
### Plot on Channel 5955MHz



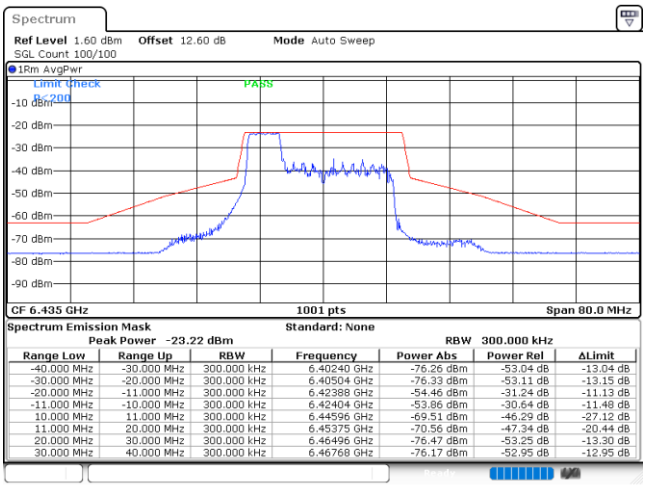

### Plot on Channel 6195MHz



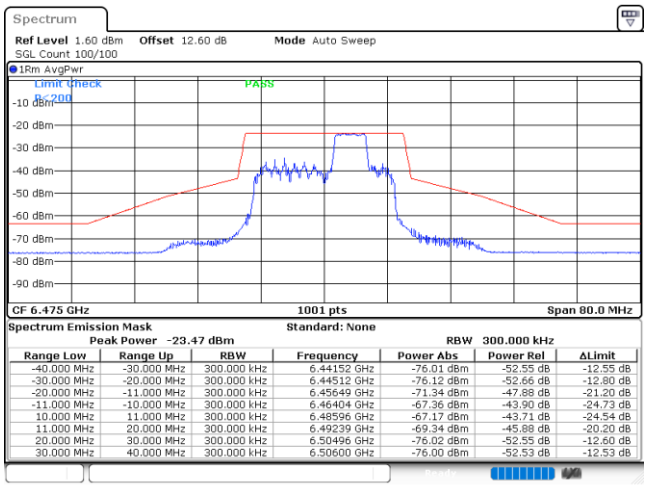

### Plot on Channel 6415MHz




### Plot on Channel 6435MHz



### Plot on Channel 6475MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.44152 GHz | -76.01 dBm | -52.55 dB | -12.55 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.44512 GHz | -76.12 dBm | -52.66 dB | -12.80 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.45649 GHz | -71.34 dBm | -47.88 dB | -21.20 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.46404 GHz | -67.36 dBm | -43.90 dB | -24.73 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.48596 GHz | -67.17 dBm | -43.71 dB | -24.54 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.49239 GHz | -69.34 dBm | -45.88 dB | -20.20 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.50496 GHz | -76.02 dBm | -52.55 dB | -12.60 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.50600 GHz | -76.00 dBm | -52.53 dB | -12.53 dB |

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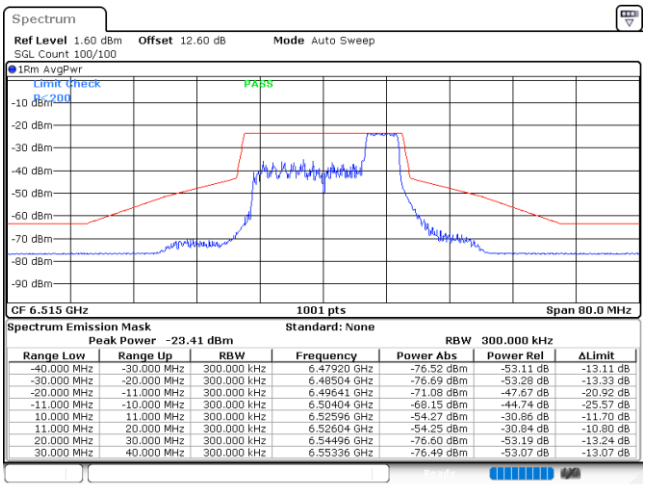
### Plot on Channel 6515MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.47920 GHz | -76.52 dBm | -53.11 dB | -13.11 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.48504 GHz | -76.69 dBm | -53.28 dB | -13.33 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.49641 GHz | -71.08 dBm | -47.67 dB | -20.92 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.50404 GHz | -68.15 dBm | -44.74 dB | -25.57 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.52596 GHz | -54.27 dBm | -30.86 dB | -11.70 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.52604 GHz | -54.25 dBm | -30.84 dB | -10.80 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.54496 GHz | -76.60 dBm | -53.19 dB | -13.24 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.55336 GHz | -76.49 dBm | -53.07 dB | -13.07 dB |

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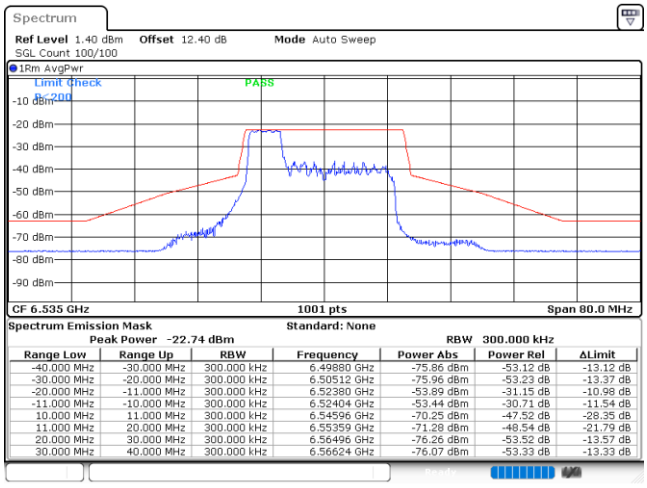
### Plot on Channel 6535MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.49880 GHz | -75.86 dBm | -53.12 dB | -13.12 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.50512 GHz | -75.96 dBm | -53.23 dB | -13.37 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.52380 GHz | -53.89 dBm | -31.15 dB | -10.98 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.52404 GHz | -53.44 dBm | -30.71 dB | -11.54 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.54596 GHz | -70.25 dBm | -47.52 dB | -28.35 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.55359 GHz | -71.28 dBm | -48.54 dB | -21.79 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.56496 GHz | -76.26 dBm | -53.52 dB | -13.57 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.56624 GHz | -76.07 dBm | -53.33 dB | -13.33 dB |

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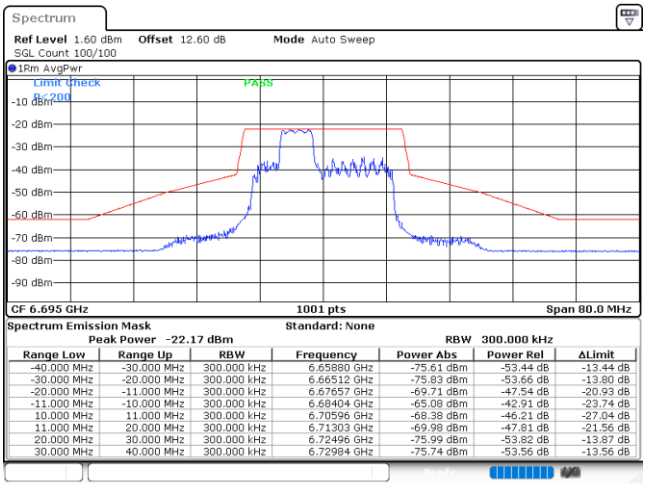
### Plot on Channel 6695MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.65880 GHz | -75.61 dBm | -53.44 dB | -13.44 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.66512 GHz | -75.83 dBm | -53.66 dB | -13.80 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.67657 GHz | -69.71 dBm | -47.54 dB | -20.93 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.68404 GHz | -65.08 dBm | -42.91 dB | -23.74 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.70596 GHz | -68.38 dBm | -46.21 dB | -27.04 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.71303 GHz | -69.98 dBm | -47.81 dB | -21.56 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.72496 GHz | -75.99 dBm | -53.82 dB | -13.87 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.72984 GHz | -75.74 dBm | -53.56 dB | -13.56 dB |

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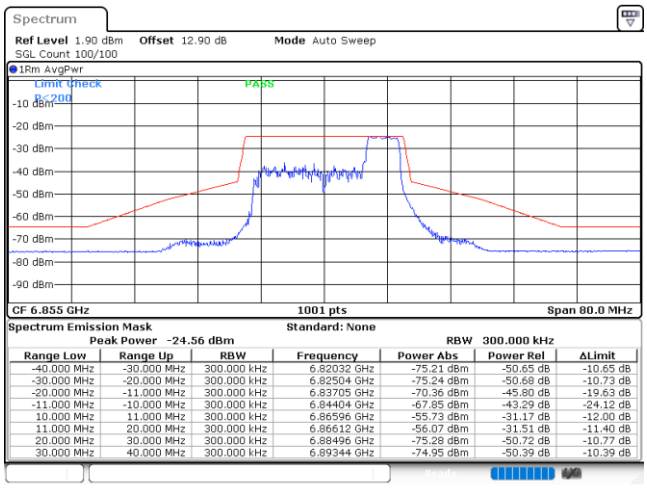
### Plot on Channel 6855MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.82032 GHz | -75.21 dBm | -50.65 dB | -10.65 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.82504 GHz | -75.24 dBm | -50.68 dB | -10.73 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.83705 GHz | -70.36 dBm | -45.80 dB | -19.63 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.84404 GHz | -67.85 dBm | -43.29 dB | -24.12 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.86596 GHz | -55.73 dBm | -31.17 dB | -12.00 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.86612 GHz | -56.07 dBm | -31.51 dB | -11.40 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.88496 GHz | -75.28 dBm | -50.72 dB | -10.77 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.89344 GHz | -74.95 dBm | -50.39 dB | -10.39 dB |

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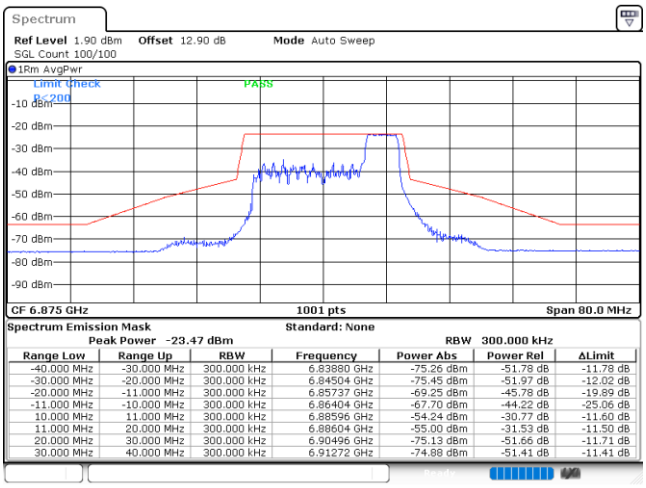
### Plot on Channel 6875MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.83880 GHz | -75.26 dBm | -51.78 dB | -11.78 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.84504 GHz | -75.45 dBm | -51.97 dB | -12.02 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.85737 GHz | -69.25 dBm | -45.78 dB | -19.89 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.86404 GHz | -67.70 dBm | -44.22 dB | -25.06 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.88596 GHz | -54.24 dBm | -30.77 dB | -11.60 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.88604 GHz | -55.00 dBm | -31.53 dB | -11.50 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.90496 GHz | -75.13 dBm | -51.66 dB | -11.71 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.91272 GHz | -74.88 dBm | -51.41 dB | -11.41 dB |

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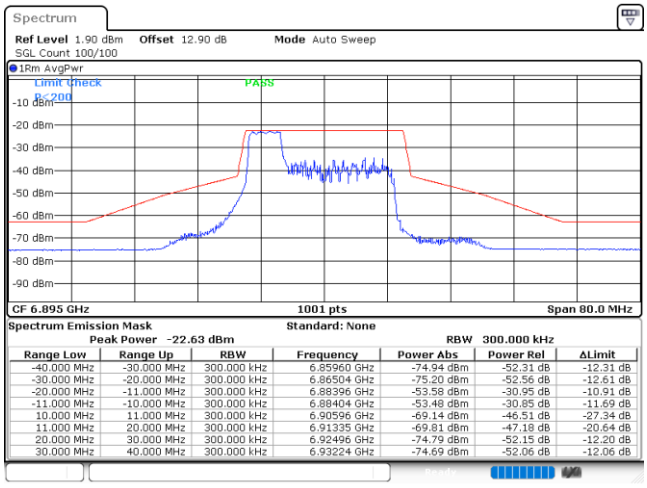
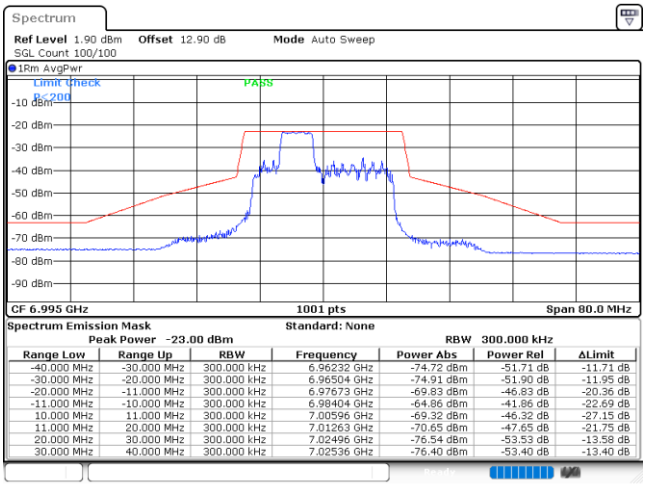
### Plot on Channel 6895MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.85960 GHz | -74.94 dBm | -52.31 dB | -12.31 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.86504 GHz | -75.20 dBm | -52.56 dB | -12.61 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.88396 GHz | -53.58 dBm | -30.95 dB | -10.91 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.88404 GHz | -53.48 dBm | -30.85 dB | -11.69 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.90596 GHz | -69.14 dBm | -46.51 dB | -27.34 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.91335 GHz | -69.81 dBm | -47.18 dB | -20.64 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.92496 GHz | -74.79 dBm | -52.15 dB | -12.20 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.93224 GHz | -74.69 dBm | -52.06 dB | -12.06 dB |

Date: 28.JUN.2022 23:12:33

### Plot on Channel 6995MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.96232 GHz | -74.72 dBm | -51.71 dB | -11.71 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.96504 GHz | -74.91 dBm | -51.90 dB | -11.95 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.97673 GHz | -69.83 dBm | -46.83 dB | -20.36 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.98404 GHz | -64.86 dBm | -41.86 dB | -22.69 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 7.00596 GHz | -69.32 dBm | -46.32 dB | -27.15 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 7.01263 GHz | -70.65 dBm | -47.65 dB | -21.75 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 7.02496 GHz | -76.54 dBm | -53.53 dB | -13.58 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 7.02536 GHz | -76.40 dBm | -53.40 dB | -13.40 dB |

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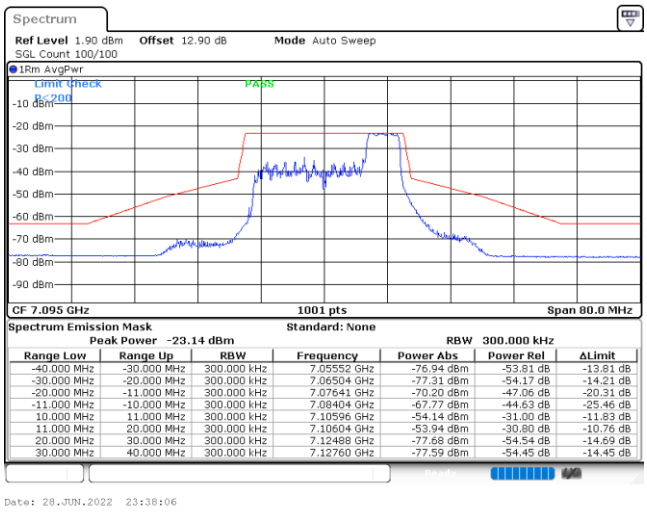
**Plot on Channel 7095MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 7.05552 GHz | -76.94 dBm | -53.81 dB | -13.81 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 7.06504 GHz | -77.31 dBm | -54.17 dB | -14.21 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 7.07641 GHz | -70.20 dBm | -47.06 dB | -20.31 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 7.08404 GHz | -67.77 dBm | -44.63 dB | -25.46 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 7.10596 GHz | -54.14 dBm | -31.00 dB | -11.83 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 7.10604 GHz | -53.94 dBm | -30.80 dB | -10.76 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 7.12488 GHz | -77.68 dBm | -54.54 dB | -14.69 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 7.12760 GHz | -77.59 dBm | -54.45 dB | -14.45 dB |

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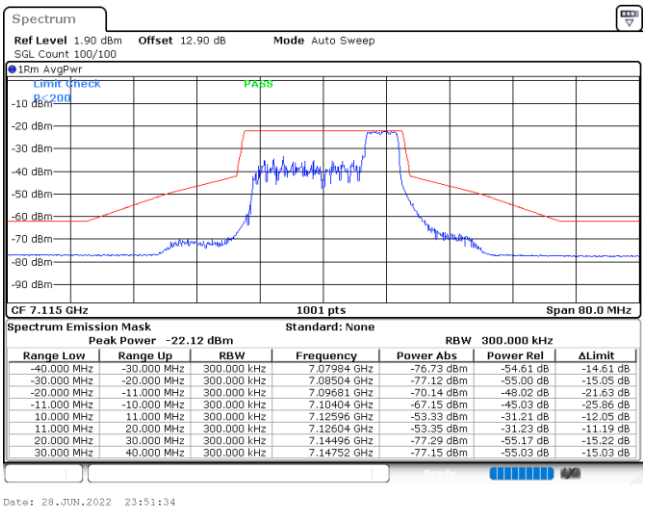
**Plot on Channel 7115MHz**

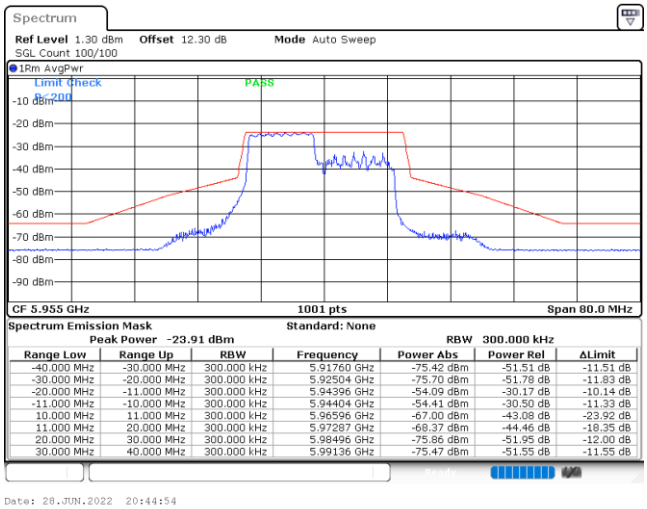



| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 7.07984 GHz | -76.73 dBm | -54.61 dB | -14.61 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 7.08504 GHz | -77.12 dBm | -55.00 dB | -15.05 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 7.09681 GHz | -70.14 dBm | -48.02 dB | -21.63 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 7.10404 GHz | -67.15 dBm | -45.03 dB | -25.86 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 7.12596 GHz | -53.33 dBm | -31.21 dB | -12.05 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 7.12604 GHz | -53.35 dBm | -31.23 dB | -11.19 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 7.14496 GHz | -77.29 dBm | -55.17 dB | -15.22 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 7.14752 GHz | -77.15 dBm | -55.03 dB | -15.03 dB |

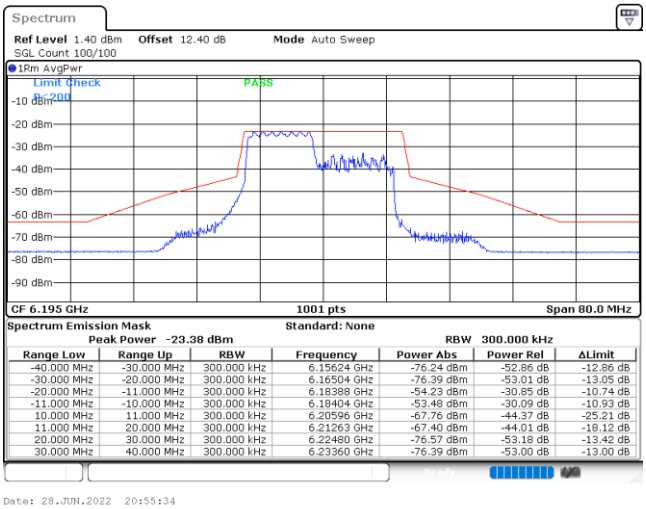
Date: 28.JUN.2022 23:51:34

| EUT Mode : | 802.11ax HE20 106RU |
|---|---|

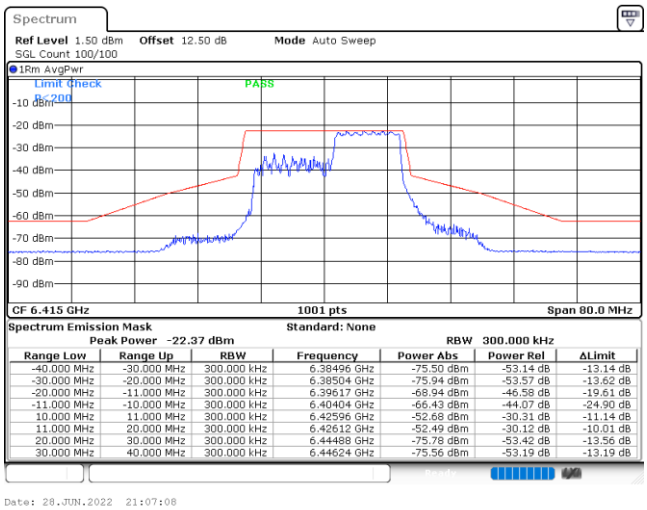
### Plot on Channel 5955MHz



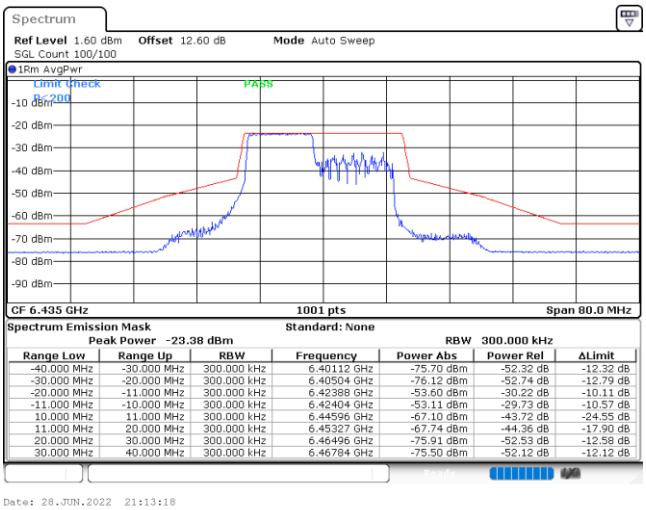

### Plot on Channel 6195MHz



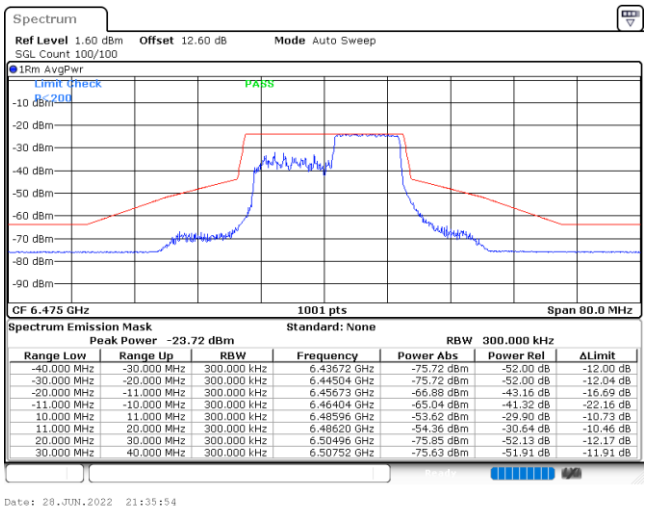

### Plot on Channel 6415MHz



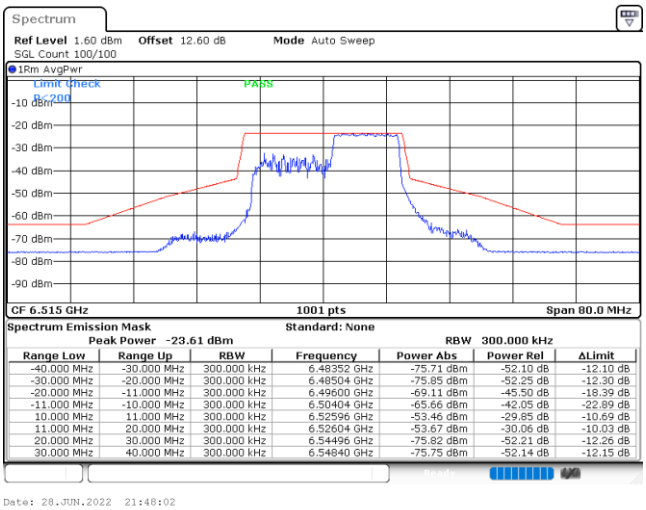

### Plot on Channel 6435MHz



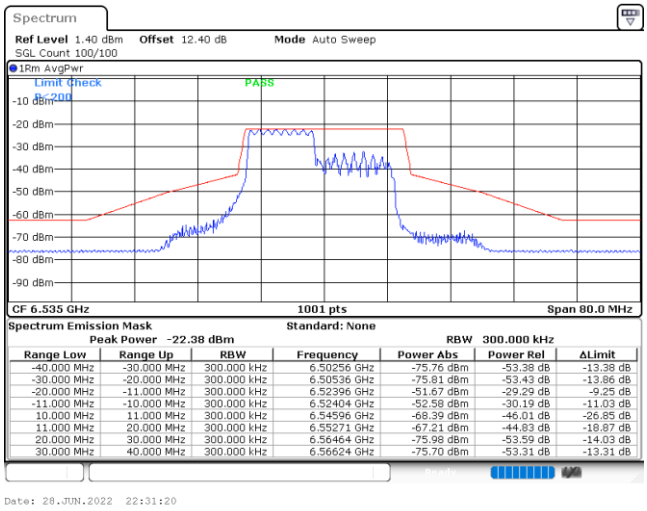
### Plot on Channel 6475MHz



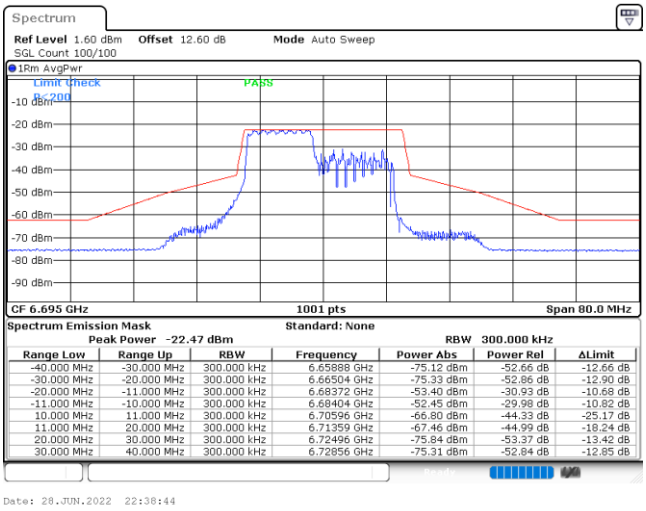

### Plot on Channel 6515MHz



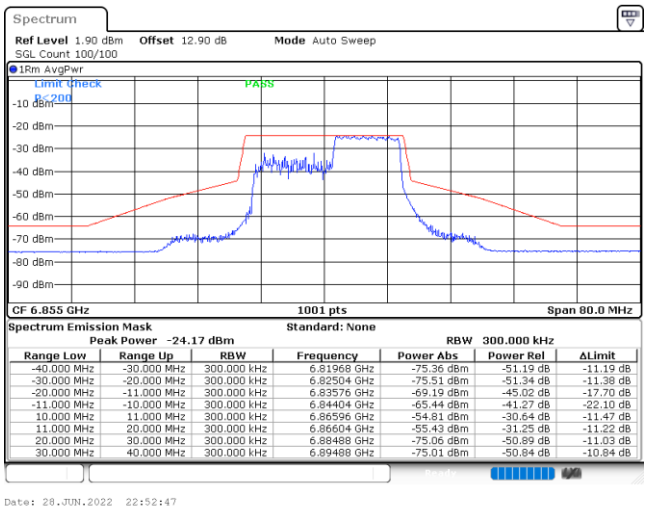

### Plot on Channel 6535MHz



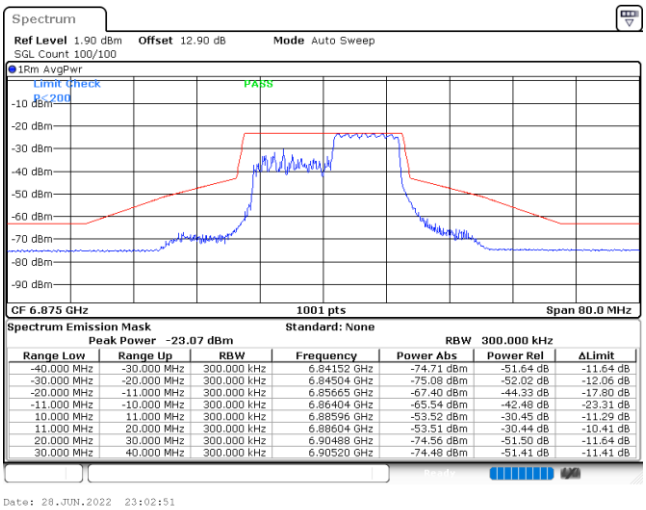

### Plot on Channel 6695MHz



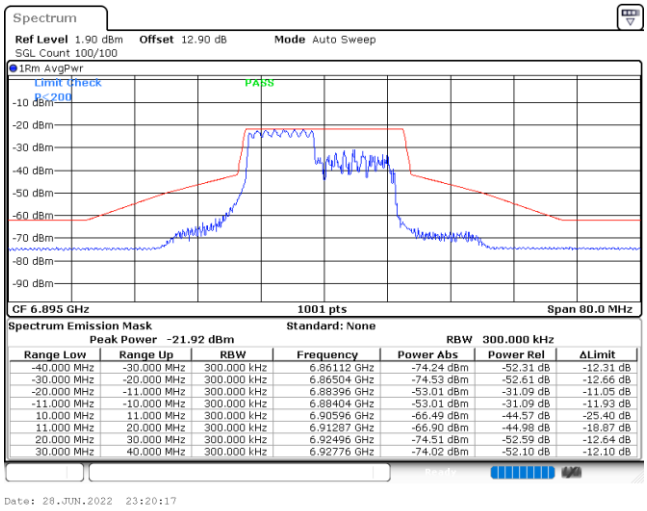
### Plot on Channel 6855MHz



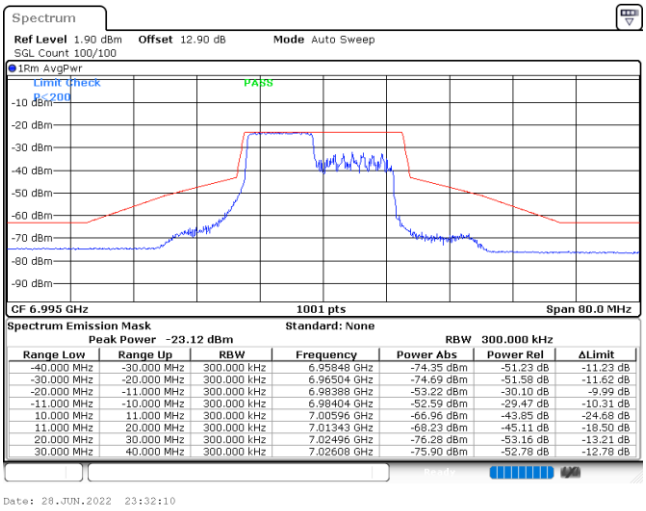

### Plot on Channel 6875MHz



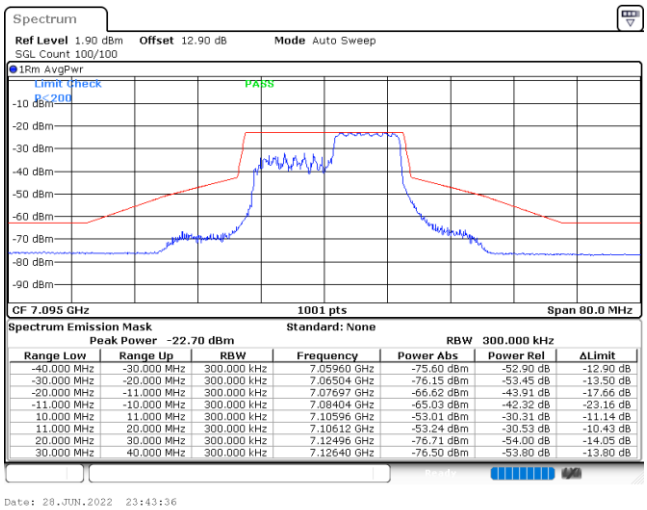

### Plot on Channel 6895MHz




### Plot on Channel 6995MHz



### Plot on Channel 7095MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 7.05960 GHz | -75.60 dBm | -52.90 dB | -12.90 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 7.06504 GHz | -76.15 dBm | -53.45 dB | -13.50 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 7.07697 GHz | -66.62 dBm | -43.91 dB | -17.66 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 7.08404 GHz | -65.03 dBm | -42.32 dB | -23.16 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 7.10596 GHz | -53.01 dBm | -30.31 dB | -11.14 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 7.10612 GHz | -53.24 dBm | -30.53 dB | -10.43 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 7.12496 GHz | -76.71 dBm | -54.00 dB | -14.05 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 7.12640 GHz | -76.50 dBm | -53.80 dB | -13.80 dB |

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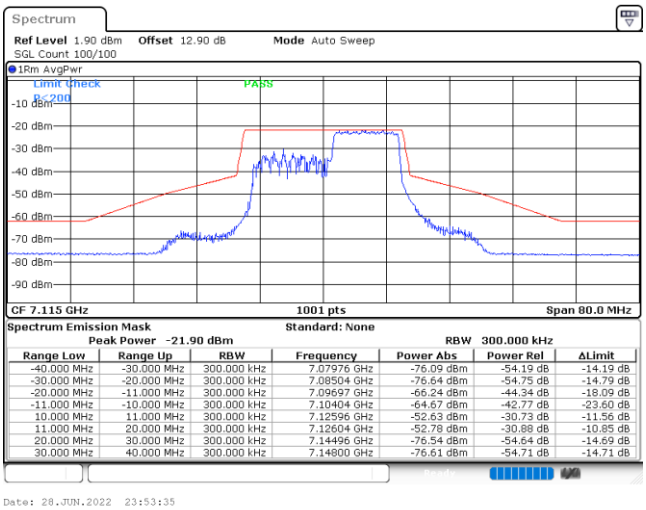
### Plot on Channel 7115MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 7.07976 GHz | -76.09 dBm | -54.19 dB | -14.19 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 7.08504 GHz | -76.64 dBm | -54.75 dB | -14.79 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 7.09697 GHz | -66.24 dBm | -44.34 dB | -18.09 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 7.10404 GHz | -64.67 dBm | -42.77 dB | -23.60 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 7.12596 GHz | -52.63 dBm | -30.73 dB | -11.56 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 7.12604 GHz | -52.78 dBm | -30.88 dB | -10.85 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 7.14496 GHz | -76.54 dBm | -54.64 dB | -14.69 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 7.14800 GHz | -76.61 dBm | -54.71 dB | -14.71 dB |

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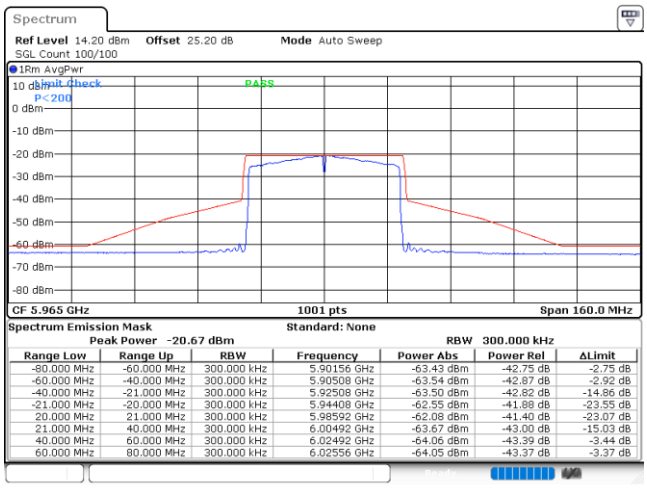
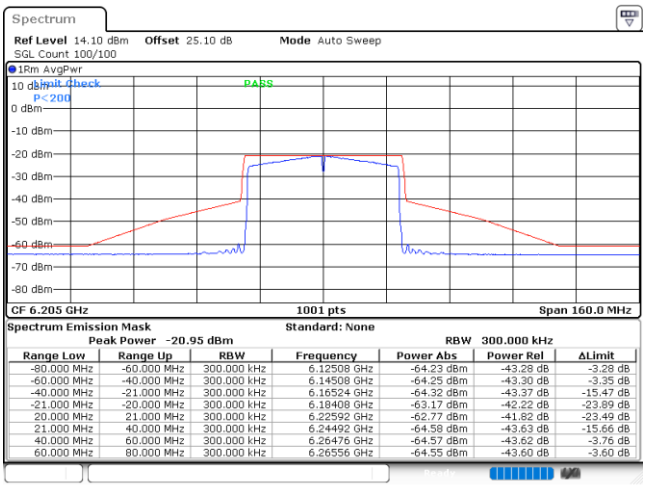
| EUT Mode : | 802.11ax HE40 Full RU |
|---|---|

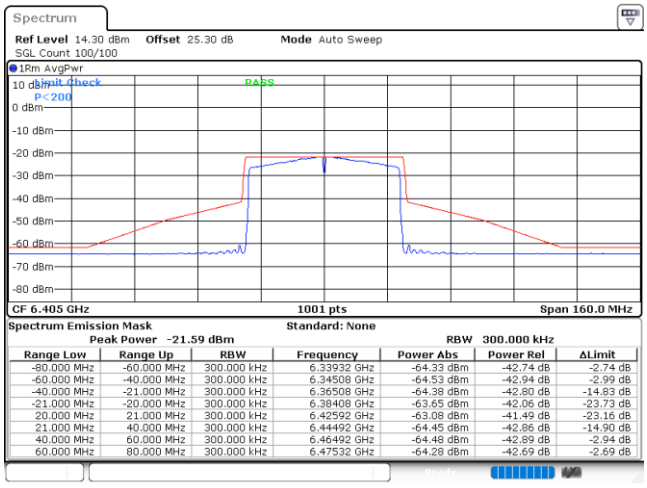
### Plot on Channel 5965MHz



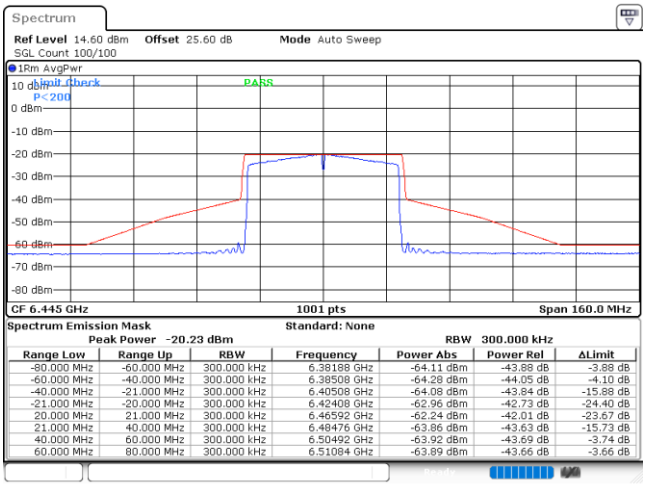

### Plot on Channel 6205MHz



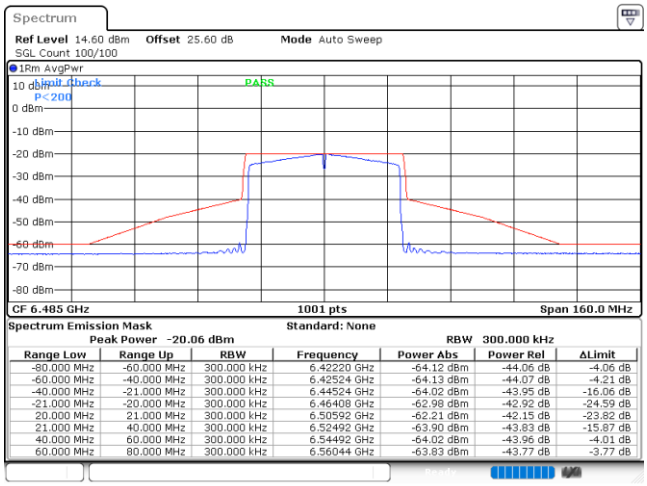

### Plot on Channel 6405MHz




### Plot on Channel 6445MHz



### Plot on Channel 6485MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.42220 GHz | -64.12 dBm | -44.06 dB | -4.06 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.42524 GHz | -64.13 dBm | -44.07 dB | -4.21 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.44524 GHz | -64.02 dBm | -43.95 dB | -16.06 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.46408 GHz | -62.98 dBm | -42.92 dB | -24.59 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.50592 GHz | -62.21 dBm | -42.15 dB | -23.82 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.52492 GHz | -63.90 dBm | -43.83 dB | -15.87 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.54492 GHz | -64.02 dBm | -43.96 dB | -4.01 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.56044 GHz | -63.83 dBm | -43.77 dB | -3.77 dB |

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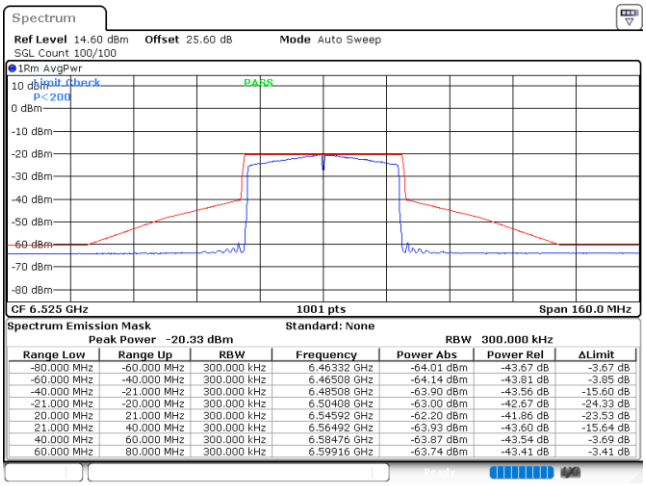
### Plot on Channel 6525MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.46332 GHz | -64.01 dBm | -43.67 dB | -3.67 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.46508 GHz | -64.14 dBm | -43.81 dB | -3.85 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.48508 GHz | -63.90 dBm | -43.56 dB | -15.60 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.50408 GHz | -63.00 dBm | -42.67 dB | -24.33 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.54592 GHz | -62.20 dBm | -41.86 dB | -23.53 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.56492 GHz | -63.93 dBm | -43.60 dB | -15.64 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.58476 GHz | -63.87 dBm | -43.54 dB | -3.69 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.59916 GHz | -63.74 dBm | -43.41 dB | -3.41 dB |

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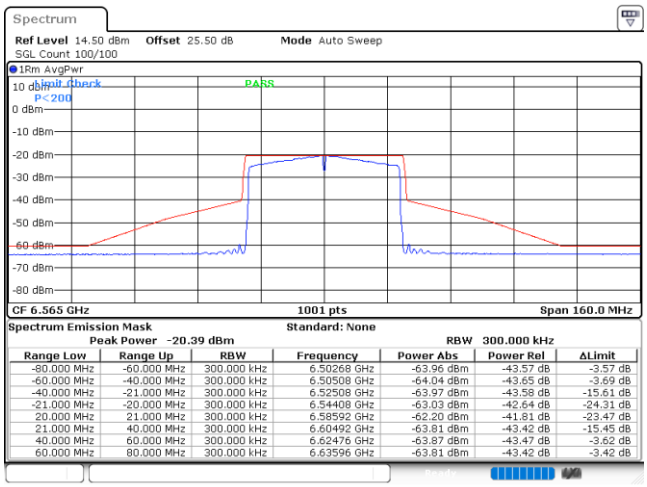
### Plot on Channel 6565MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.50268 GHz | -63.96 dBm | -43.57 dB | -3.57 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.50508 GHz | -64.04 dBm | -43.65 dB | -3.69 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.52508 GHz | -63.97 dBm | -43.58 dB | -15.61 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.54408 GHz | -63.03 dBm | -42.64 dB | -24.31 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.58592 GHz | -62.20 dBm | -41.81 dB | -23.47 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.60492 GHz | -63.81 dBm | -43.42 dB | -15.45 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.62476 GHz | -63.87 dBm | -43.47 dB | -3.62 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.63596 GHz | -63.81 dBm | -43.42 dB | -3.42 dB |

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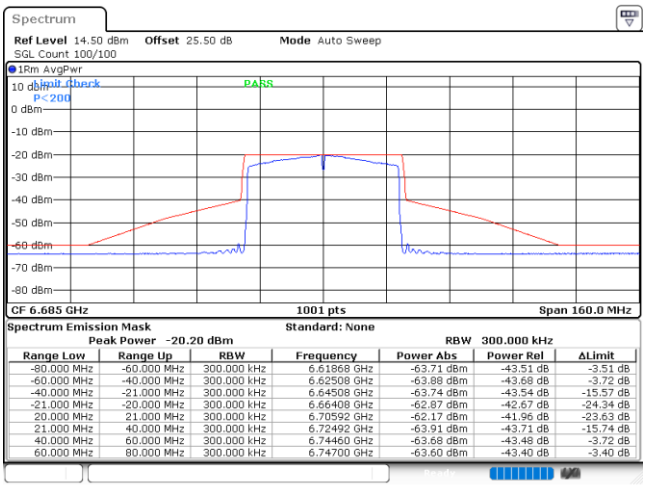
### Plot on Channel 6685MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.61868 GHz | -63.71 dBm | -43.51 dB | -3.51 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.62508 GHz | -63.88 dBm | -43.68 dB | -3.72 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.64508 GHz | -63.74 dBm | -43.54 dB | -15.57 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.66408 GHz | -62.87 dBm | -42.67 dB | -24.34 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.70592 GHz | -62.17 dBm | -41.96 dB | -23.63 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.72492 GHz | -63.91 dBm | -43.71 dB | -15.74 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.74460 GHz | -63.68 dBm | -43.48 dB | -3.72 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.74700 GHz | -63.60 dBm | -43.40 dB | -3.40 dB |

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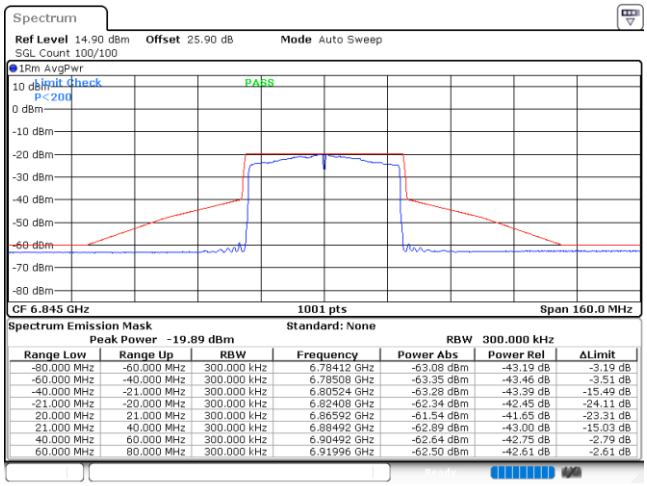
## Plot on Channel 6845MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.78412 GHz | -63.08 dBm | -43.19 dB | -3.19 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.78508 GHz | -63.35 dBm | -43.46 dB | -3.51 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.80524 GHz | -63.28 dBm | -43.39 dB | -15.49 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.82408 GHz | -62.34 dBm | -42.45 dB | -24.11 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.86592 GHz | -61.54 dBm | -41.65 dB | -23.31 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.88492 GHz | -62.89 dBm | -43.00 dB | -15.03 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.90492 GHz | -62.64 dBm | -42.75 dB | -2.79 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.91996 GHz | -62.50 dBm | -42.61 dB | -2.61 dB |

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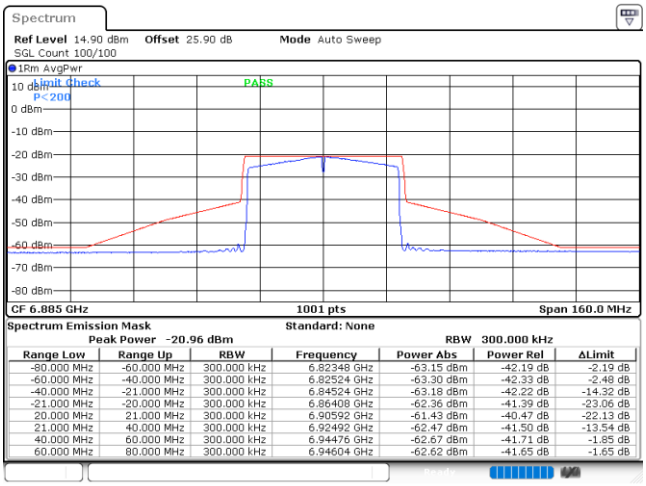
## Plot on Channel 6885MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.82348 GHz | -63.15 dBm | -42.19 dB | -2.19 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.82524 GHz | -63.30 dBm | -42.33 dB | -2.48 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.84524 GHz | -63.18 dBm | -42.22 dB | -14.32 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.86408 GHz | -62.36 dBm | -41.39 dB | -23.06 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.90592 GHz | -61.43 dBm | -40.47 dB | -22.13 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.92492 GHz | -62.47 dBm | -41.50 dB | -13.54 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.94476 GHz | -62.67 dBm | -41.71 dB | -1.85 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.94604 GHz | -62.62 dBm | -41.65 dB | -1.65 dB |

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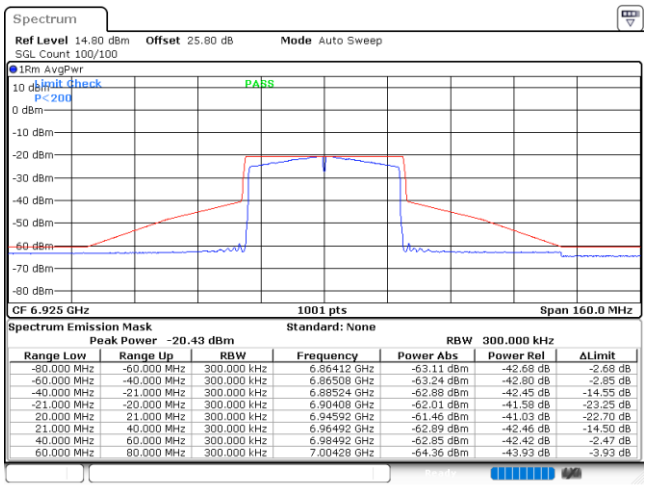
## Plot on Channel 6925MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.86412 GHz | -63.11 dBm | -42.68 dB | -2.68 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.86508 GHz | -63.24 dBm | -42.80 dB | -2.85 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.88524 GHz | -62.88 dBm | -42.45 dB | -14.55 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.90408 GHz | -62.01 dBm | -41.58 dB | -23.25 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.94592 GHz | -61.46 dBm | -41.03 dB | -22.70 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.96492 GHz | -62.89 dBm | -42.46 dB | -14.50 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.98492 GHz | -62.85 dBm | -42.42 dB | -2.47 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 7.00428 GHz | -64.36 dBm | -43.93 dB | -3.93 dB |

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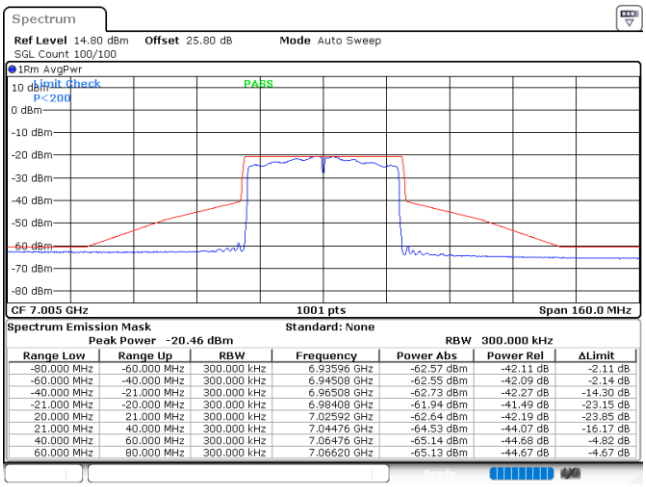
## Plot on Channel 7005MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.93596 GHz | -62.57 dBm | -42.11 dB | -2.11 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.94508 GHz | -62.55 dBm | -42.09 dB | -2.14 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.96508 GHz | -62.73 dBm | -42.27 dB | -14.30 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.98408 GHz | -61.94 dBm | -41.49 dB | -23.15 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 7.02592 GHz | -62.64 dBm | -42.19 dB | -23.85 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 7.04476 GHz | -64.53 dBm | -44.07 dB | -16.17 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 7.06476 GHz | -65.14 dBm | -44.68 dB | -4.82 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 7.06620 GHz | -65.13 dBm | -44.67 dB | -4.67 dB |

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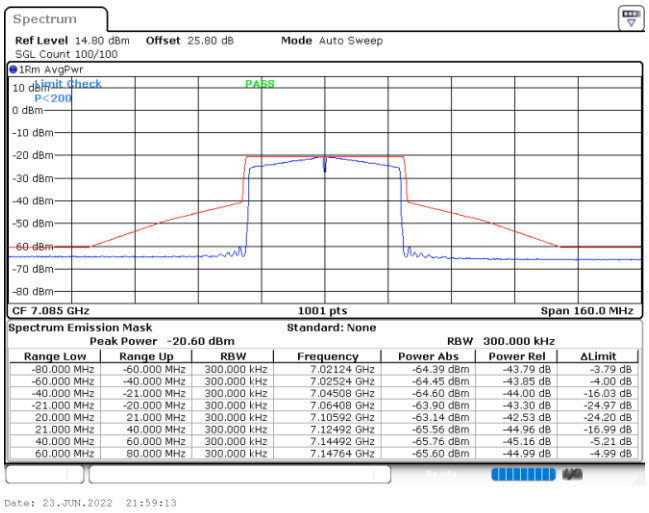
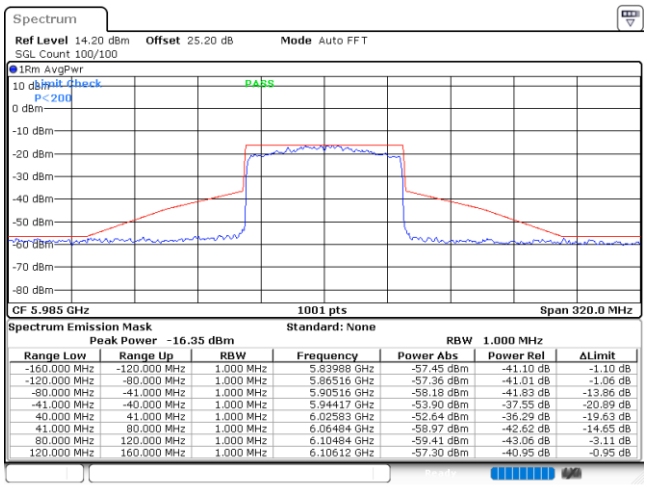
## Plot on Channel 7085MHz

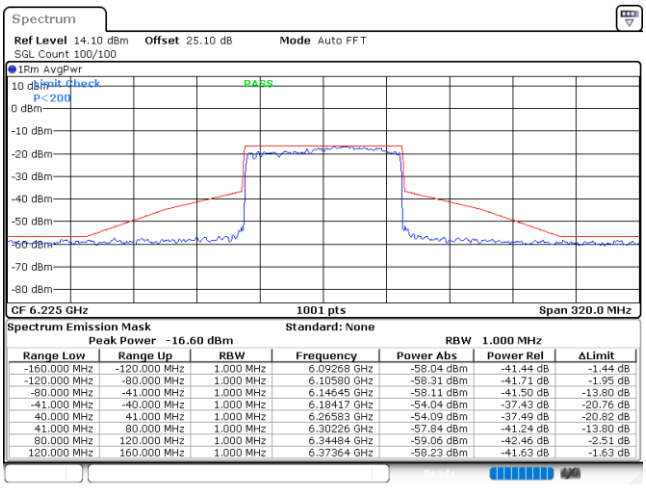


| EUT Mode : | 802.11ax HE80 Full RU |
|---|---|

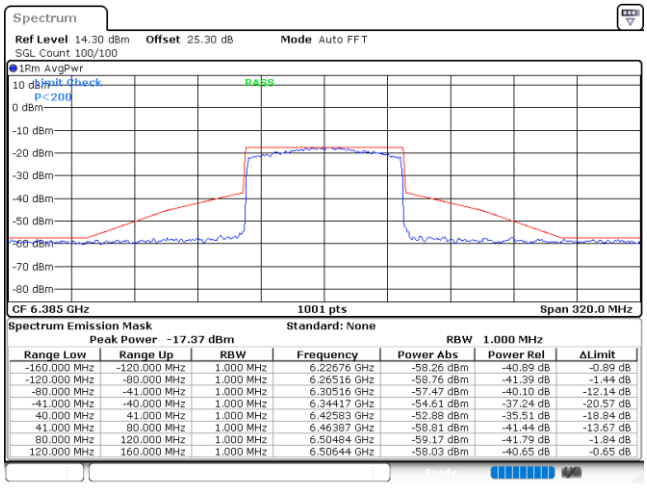
### Plot on Channel 5985MHz



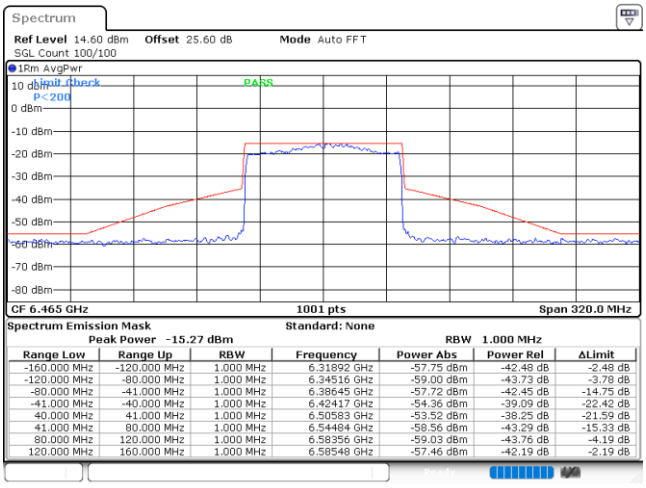

### Plot on Channel 6225MHz



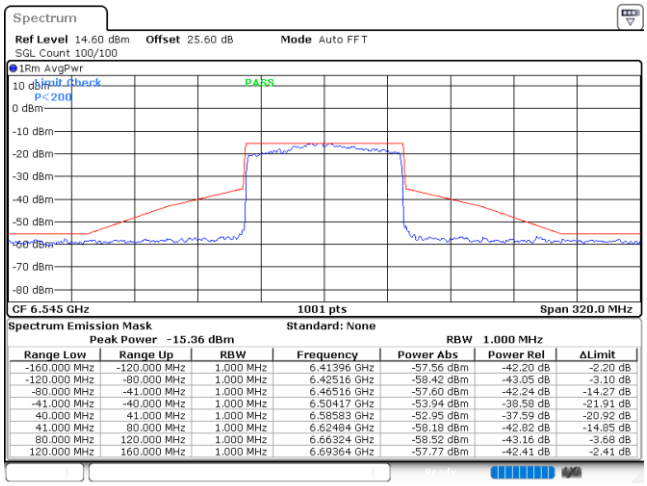

### Plot on Channel 6385MHz




### Plot on Channel 6465MHz



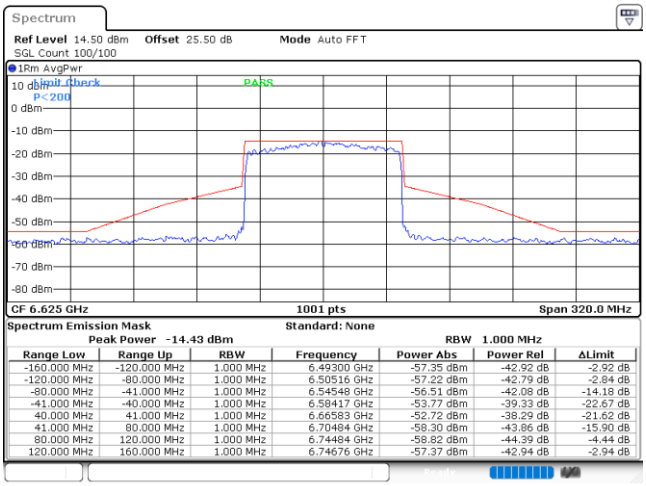
### Plot on Channel 6545MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -160.000 MHz | -120.000 MHz | 1.000 MHz | 6.41396 GHz | -57.56 dBm | -42.20 dB | -2.20 dB |
| -120.000 MHz | -80.000 MHz | 1.000 MHz | 6.42516 GHz | -58.42 dBm | -43.05 dB | -3.10 dB |
| -80.000 MHz | -41.000 MHz | 1.000 MHz | 6.46516 GHz | -57.60 dBm | -42.24 dB | -14.27 dB |
| -41.000 MHz | -40.000 MHz | 1.000 MHz | 6.50417 GHz | -53.94 dBm | -38.58 dB | -21.91 dB |
| 40.000 MHz | 41.000 MHz | 1.000 MHz | 6.58583 GHz | -52.95 dBm | -37.59 dB | -20.92 dB |
| 41.000 MHz | 80.000 MHz | 1.000 MHz | 6.62484 GHz | -58.18 dBm | -42.82 dB | -14.85 dB |
| 80.000 MHz | 120.000 MHz | 1.000 MHz | 6.66324 GHz | -58.52 dBm | -43.16 dB | -3.68 dB |
| 120.000 MHz | 160.000 MHz | 1.000 MHz | 6.69364 GHz | -57.77 dBm | -42.41 dB | -2.41 dB |

Date: 23.JUN.2022 23:12:44

### Plot on Channel 6625MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -160.000 MHz | -120.000 MHz | 1.000 MHz | 6.49300 GHz | -57.35 dBm | -42.92 dB | -2.92 dB |
| -120.000 MHz | -80.000 MHz | 1.000 MHz | 6.50516 GHz | -57.22 dBm | -42.79 dB | -2.84 dB |
| -80.000 MHz | -41.000 MHz | 1.000 MHz | 6.54548 GHz | -56.51 dBm | -42.08 dB | -14.18 dB |
| -41.000 MHz | -40.000 MHz | 1.000 MHz | 6.58417 GHz | -53.77 dBm | -39.33 dB | -22.67 dB |
| 40.000 MHz | 41.000 MHz | 1.000 MHz | 6.66583 GHz | -52.72 dBm | -38.29 dB | -21.62 dB |
| 41.000 MHz | 80.000 MHz | 1.000 MHz | 6.70484 GHz | -58.30 dBm | -43.86 dB | -15.90 dB |
| 80.000 MHz | 120.000 MHz | 1.000 MHz | 6.74484 GHz | -58.82 dBm | -44.39 dB | -4.44 dB |
| 120.000 MHz | 160.000 MHz | 1.000 MHz | 6.74676 GHz | -57.37 dBm | -42.94 dB | -2.94 dB |

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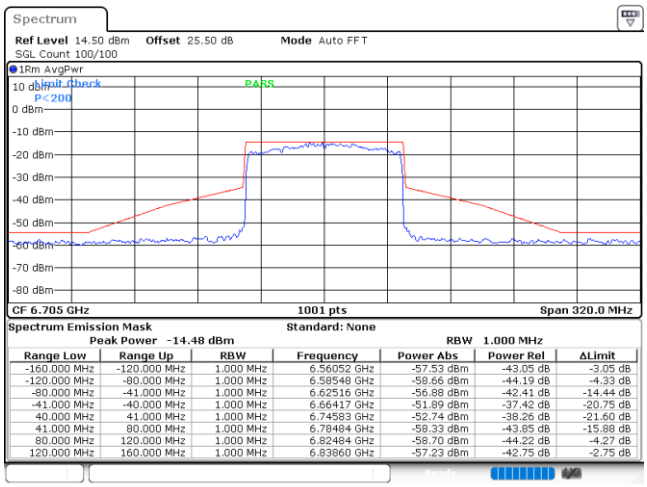
### Plot on Channel 6705MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -160.000 MHz | -120.000 MHz | 1.000 MHz | 6.56052 GHz | -57.53 dBm | -43.05 dB | -3.05 dB |
| -120.000 MHz | -80.000 MHz | 1.000 MHz | 6.58548 GHz | -58.66 dBm | -44.19 dB | -4.33 dB |
| -80.000 MHz | -41.000 MHz | 1.000 MHz | 6.62516 GHz | -56.88 dBm | -42.41 dB | -14.44 dB |
| -41.000 MHz | -40.000 MHz | 1.000 MHz | 6.66417 GHz | -51.89 dBm | -37.42 dB | -20.75 dB |
| 40.000 MHz | 41.000 MHz | 1.000 MHz | 6.74583 GHz | -52.74 dBm | -38.26 dB | -21.60 dB |
| 41.000 MHz | 80.000 MHz | 1.000 MHz | 6.78484 GHz | -58.33 dBm | -43.85 dB | -15.88 dB |
| 80.000 MHz | 120.000 MHz | 1.000 MHz | 6.82484 GHz | -58.70 dBm | -44.22 dB | -4.27 dB |
| 120.000 MHz | 160.000 MHz | 1.000 MHz | 6.83860 GHz | -57.23 dBm | -42.75 dB | -2.75 dB |

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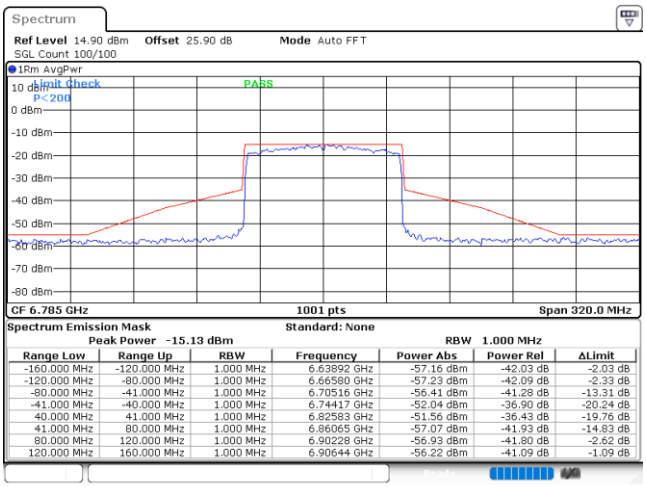
### Plot on Channel 6785MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -160.000 MHz | -120.000 MHz | 1.000 MHz | 6.63892 GHz | -57.16 dBm | -42.03 dB | -2.03 dB |
| -120.000 MHz | -80.000 MHz | 1.000 MHz | 6.66580 GHz | -57.23 dBm | -42.09 dB | -2.33 dB |
| -80.000 MHz | -41.000 MHz | 1.000 MHz | 6.70516 GHz | -56.41 dBm | -41.28 dB | -13.31 dB |
| -41.000 MHz | -40.000 MHz | 1.000 MHz | 6.74417 GHz | -52.04 dBm | -36.90 dB | -20.24 dB |
| 40.000 MHz | 41.000 MHz | 1.000 MHz | 6.82583 GHz | -51.56 dBm | -36.43 dB | -19.76 dB |
| 41.000 MHz | 80.000 MHz | 1.000 MHz | 6.86065 GHz | -57.07 dBm | -41.93 dB | -14.83 dB |
| 80.000 MHz | 120.000 MHz | 1.000 MHz | 6.90228 GHz | -56.93 dBm | -41.80 dB | -2.62 dB |
| 120.000 MHz | 160.000 MHz | 1.000 MHz | 6.90644 GHz | -56.22 dBm | -41.09 dB | -1.09 dB |

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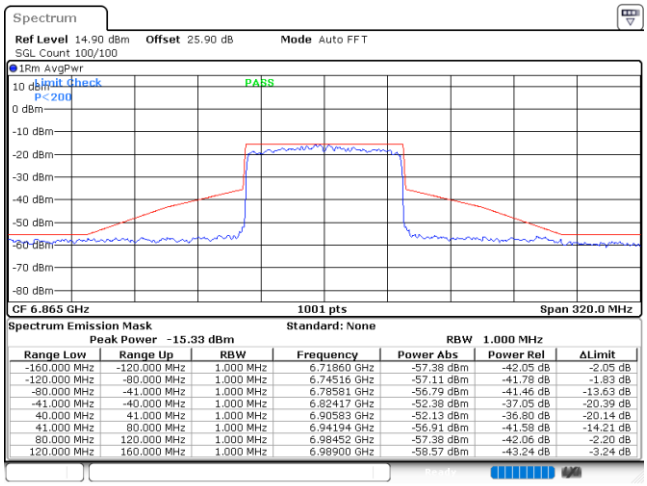
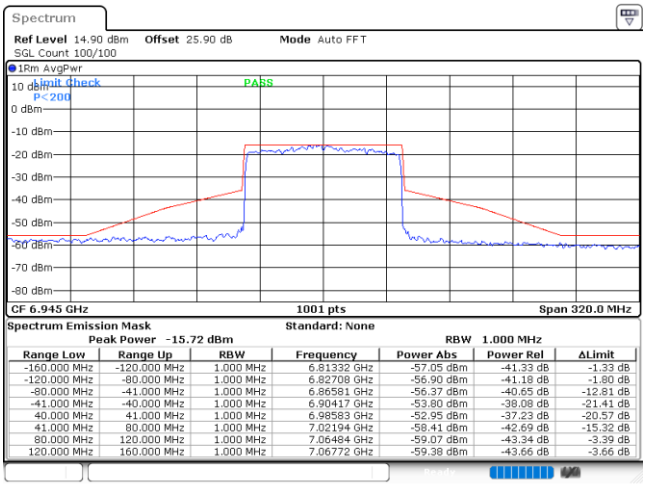
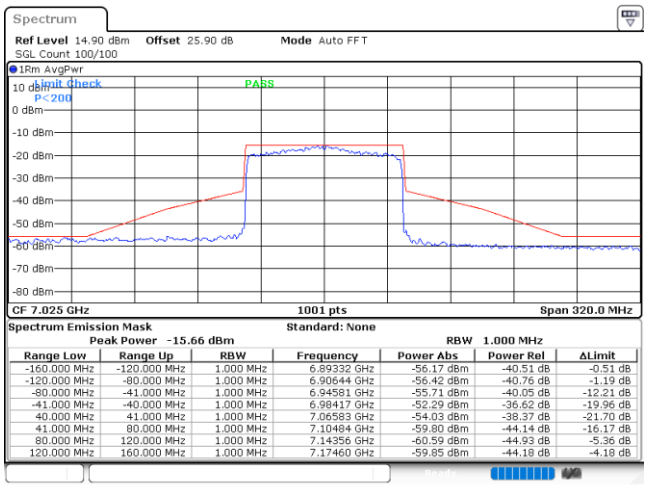
## Plot on Channel 6865MHz




## Plot on Channel 6945MHz




## Plot on Channel 7025MHz



## 3.5 Contention Based Protocol

### 3.5.1 Limit of Contention Based Protocol

**<FCC 14-30 CFR 15.407>**

(d)(6) Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

**Table 1. Criteria to determine number of times detection threshold test may be performed**

| If | Number of Tests | Placement of Incumbent Transmission |
|---|---|---|
| $BW_{EUT} \leq BW_{Inc}$ | Once | Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$) |
| $BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$ | Once | Incumbent transmission is contained within $BW_{EUT}$ |
| $2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$ | Twice. Incumbent transmission is contained within $BW_{EUT}$ | Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel |
| $BW_{EUT} > 4BW_{Inc}$ | Three times | Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel |

where:

$BWEUT$: Transmission bandwidth of EUT signal

$BWInc$: Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)

$fc1$: Center frequency of EUT transmission

$fc2$: Center frequency of simulated incumbent signal

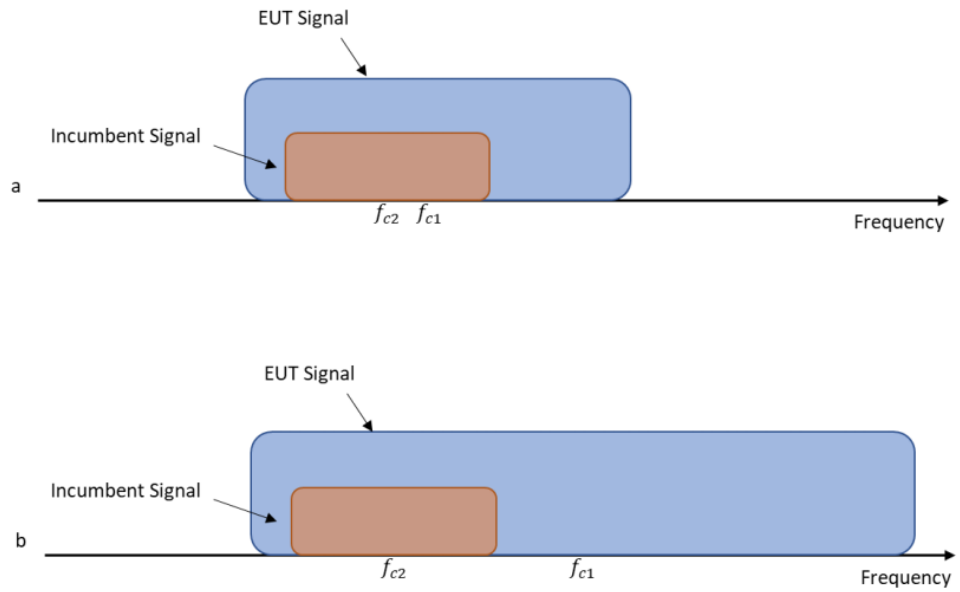



**Figure 1. Two possible scenarios where a) center frequency of EUT transmission falls within incumbent's bandwidth, or b) outside of it**

### 3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.5.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01.
Section I) Contention Based Protocol
Conducted method Step-by-Step Procedure, Conducted Setup

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT.
4. Connect the output port of the EUT to the signal analyzer 2, as shown in test setup Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
5. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
6. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
7. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in test setup Figure 2.
8. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.

9. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
10. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
11. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.
12. For the contention-based protocol test where only one channel in each supported sub-band needs to be tested. The narrowest and widest bandwidth in each channel shall be measured EUT was driven in MIMO mode, the interferer level was injected to both chains to monitor the performance, while the interferer level is determined according the lowest antenna gain among both antennas (i.e, lower interferer level).

### 3.5.4 Test Setup

Conducted Setup

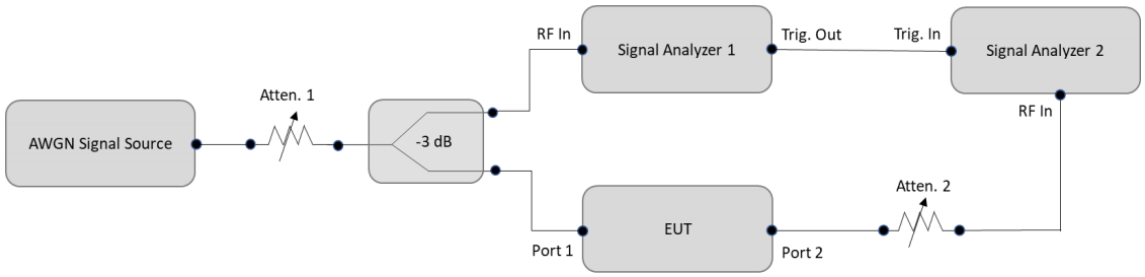



**Figure 2. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup**

### 3.5.5 Support Unit used in test configuration and system

| Instrument | Brand Name | Model No. | Characteristics |
|---|---|---|---|
| WLAN AP | ASUS | GT-AXE11000 | Dual Band AP |
| Notebook | Acer | N15C1 | LAN |

### 3.5.6 Test Summary of Contention Based Protocol Test

| Test Engineer : | Leo Liu | Temperature : | 23.7~25.8℃ |
|---|---|---|---|
| | | Relative Humidity : | 45.3~50.1% |

| Band | Channel Freq. (MHz) | Channel BW (MHz) | Incumbent freq. (MHz) | Injected AWGN Level (dBm) | Detection Rate (%) | Regulated Threshold level (dBm) | Adjusted Power (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| UNII Band 5 | 6135 | 20 | 6135 | -64.05 | 100 | -62 | -70.64 | 8.64 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -77.05 | < 90 | -62 | -83.64 | 21.64 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -78.05 | 0 | -62 | -84.64 | 22.64 |
| | | | | | Result: Normal Operation | | | |
| | 6145 | 80 | 6110 | -59.04 | 100 | -62 | -65.63 | 3.63 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -79.04 | < 90 | -62 | -85.63 | 23.63 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -80.04 | 0 | -62 | -86.63 | 24.63 |
| | | | | | Result: Normal Operation | | | |
| | | | 6145 | -59.62 | 100 | -62 | -66.21 | 4.21 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -69.62 | < 90 | -62 | -76.21 | 14.21 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -70.62 | 0 | -62 | -77.21 | 15.21 |
| | | | | | Result: Normal Operation | | | |
| | | | 6180 | -58.27 | 100 | -62 | -64.86 | 2.86 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -79.27 | < 90 | -62 | -85.86 | 23.86 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -80.27 | 0 | -62 | -86.86 | 24.86 |
| | | | | | Result: Normal Operation | | | |

**Note 1:** Adjusted Power = Injected AWGN Level - minimum antenna gain 6.59 dBi.

**Note 2:** The antenna gain has included the cable loss.

**Note 3:** Margin = Regulated Threshold level - Adjusted Power.

| Band | Channel Freq. (MHz) | Channel BW (MHz) | Incumbent freq. (MHz) | Injected AWGN Level (dBm) | Detection Rate (%) | Regulated Threshold level (dBm) | Adjusted Power (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| UNII Band 6 | 6455 | 20 | 6455 | -63.67 | 100 | -62 | -68.86 | 6.86 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -75.67 | < 90 | -62 | -80.86 | 18.86 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -76.67 | 0 | -62 | -81.86 | 19.86 |
| | | | | | Result: Normal Operation | | | |
| | 6465 | 80 | 6430 | -57.66 | 100 | -62 | -62.85 | 0.85 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -78.66 | < 90 | -62 | -83.85 | 21.85 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -79.66 | 0 | -62 | -84.85 | 22.85 |
| | | | | | Result: Normal Operation | | | |
| | | | 6465 | -61.66 | 100 | -62 | -66.85 | 4.85 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -68.66 | < 90 | -62 | -73.85 | 11.85 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -69.66 | 0 | -62 | -74.85 | 12.85 |
| | | | | | Result: Normal Operation | | | |
| | | | 6500 | -59.72 | 100 | -62 | -64.91 | 2.91 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -78.72 | < 90 | -62 | -83.91 | 21.91 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -79.72 | 0 | -62 | -84.91 | 22.91 |
| | | | | | Result: Normal Operation | | | |

**Note 1:** Adjusted Power = Injected AWGN Level - minimum antenna gain 5.19 dBi.

**Note 2:** The antenna gain has included the cable loss.

**Note 3:** Margin = Regulated Threshold level - Adjusted Power.

| Band | Channel Freq. (MHz) | Channel BW (MHz) | Incumbent freq. (MHz) | Injected AWGN Level (dBm) | Detection Rate (%) | Regulated Threshold level (dBm) | Adjusted Power (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| UNII Band 7 | 6695 | 20 | 6695 | -64.02 | 100 | -62 | -69.11 | 7.11 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -76.02 | < 90 | -62 | -81.11 | 19.11 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -77.02 | 0 | -62 | -82.11 | 20.11 |
| | | | | | Result: Normal Operation | | | |
| | 6705 | 80 | 6670 | -58.01 | 100 | -62 | -63.10 | 1.10 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -79.01 | < 90 | -62 | -84.10 | 22.10 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -80.01 | 0 | -62 | -85.10 | 23.10 |
| | | | | | Result: Normal Operation | | | |
| | | | 6705 | -59.2 | 100 | -62 | -64.29 | 2.29 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -70.20 | < 90 | -62 | -75.29 | 13.29 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -71.20 | 0 | -62 | -76.29 | 14.29 |
| | | | | | Result: Normal Operation | | | |
| | | | 6740 | -60.06 | 100 | -62 | -65.15 | 3.15 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -79.06 | < 90 | -62 | -84.15 | 22.15 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -80.06 | 0 | -62 | -85.15 | 23.15 |
| | | | | | Result: Normal Operation | | | |

**Note 1:** Adjusted Power = Injected AWGN Level - minimum antenna gain 5.09 dBi.

**Note 2:** The antenna gain has included the cable loss.

**Note 3:** Margin = Regulated Threshold level - Adjusted Power.

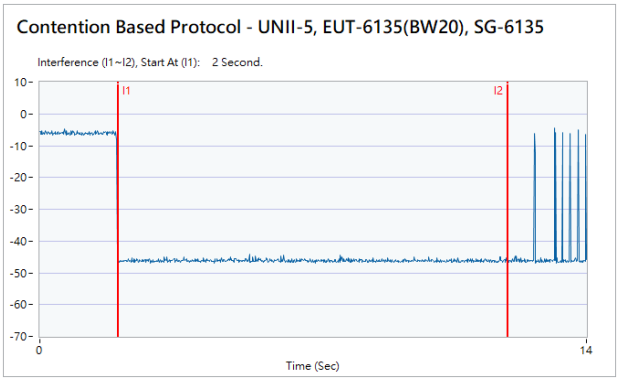
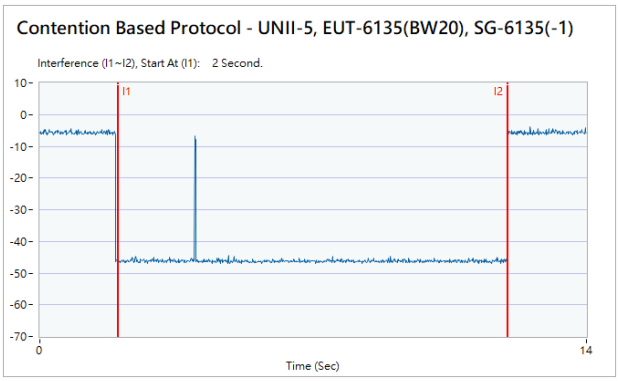
| Band | Channel Freq. (MHz) | Channel BW (MHz) | Incumbent freq. (MHz) | Injected AWGN Level (dBm) | Detection Rate (%) | Regulated Threshold level (dBm) | Adjusted Power (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| UNII Band 8 | 7015 | 20 | 7015 | -65.45 | 100 | -62 | -69.49 | 7.49 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -76.45 | < 90 | -62 | -80.49 | 18.49 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -77.45 | 0 | -62 | -81.49 | 19.49 |
| | | | | | Result: Normal Operation | | | |
| | 7025 | 80 | 6990 | -59.75 | 100 | -62 | -63.79 | 1.79 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -78.75 | < 90 | -62 | -82.79 | 20.79 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -79.75 | 0 | -62 | -83.79 | 21.79 |
| | | | | | Result: Normal Operation | | | |
| | | | 7025 | -60.46 | 100 | -62 | -64.50 | 2.5 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -69.46 | < 90 | -62 | -73.50 | 11.50 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -70.46 | 0 | -62 | -74.50 | 12.50 |
| | | | | | Result: Normal Operation | | | |
| | | | 7060 | -60.86 | 100 | -62 | -64.90 | 2.9 |
| | | | | | Result: Stop Transmission | | | |
| | | | | -78.86 | < 90 | -62 | -82.90 | 20.90 |
| | | | | | Result: Minimal Operation | | | |
| | | | | -79.86 | 0 | -62 | -83.90 | 21.90 |
| | | | | | Result: Normal Operation | | | |

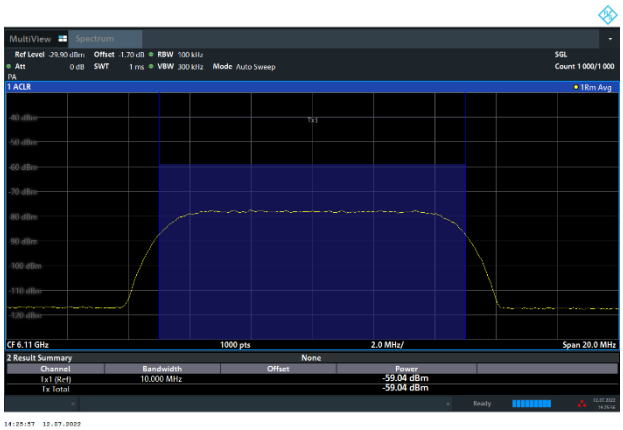
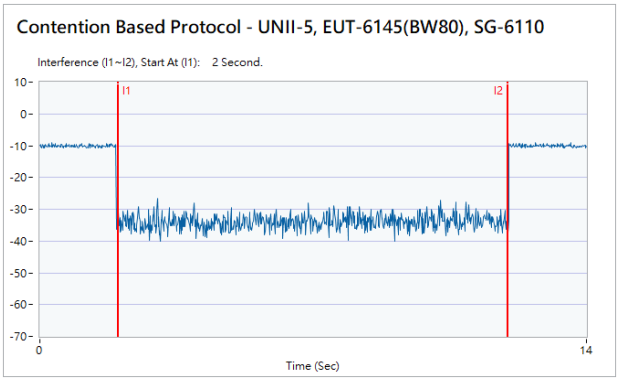
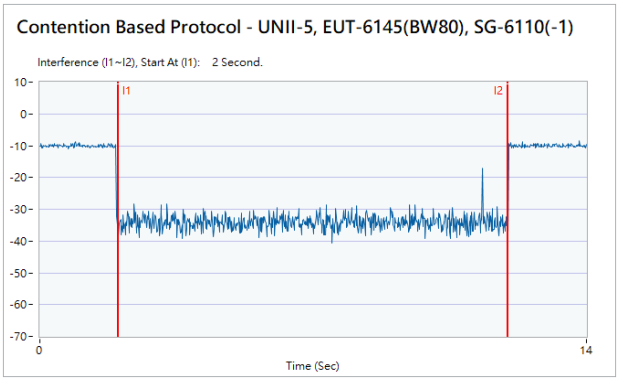
**Note 1:** Adjusted Power = Injected AWGN Level - minimum antenna gain 4.04 dBi.

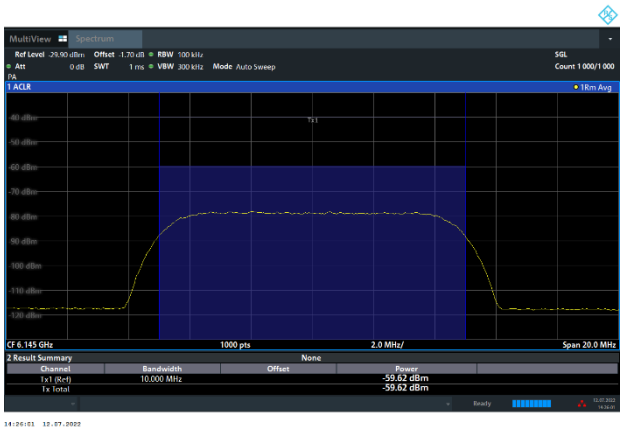
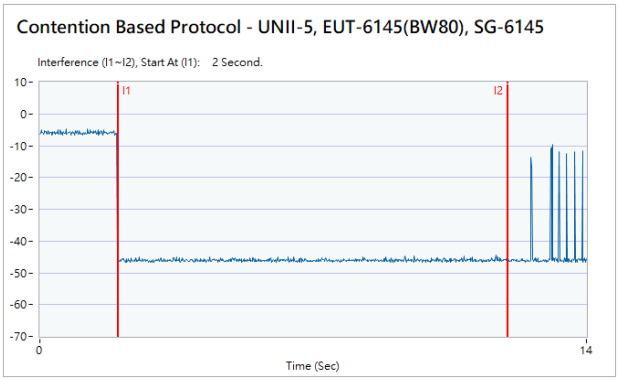
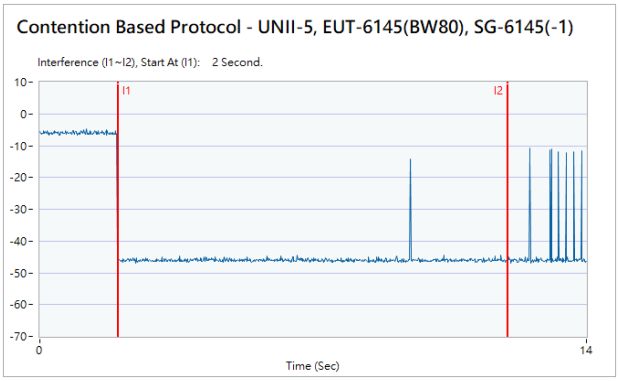
**Note 2:** The antenna gain has included the cable loss.

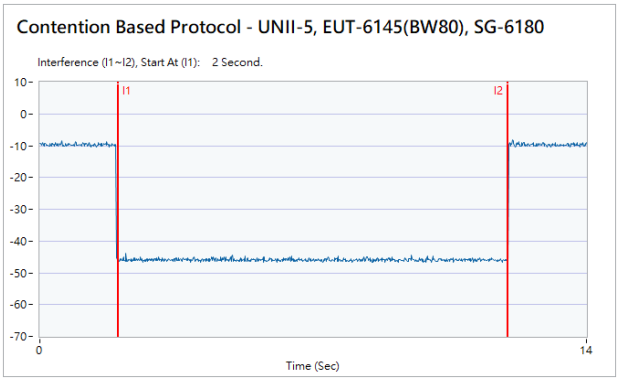
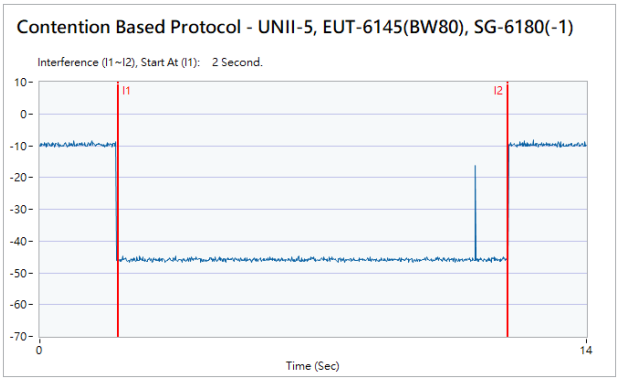
**Note 3:** Margin = Regulated Threshold level - Adjusted Power.

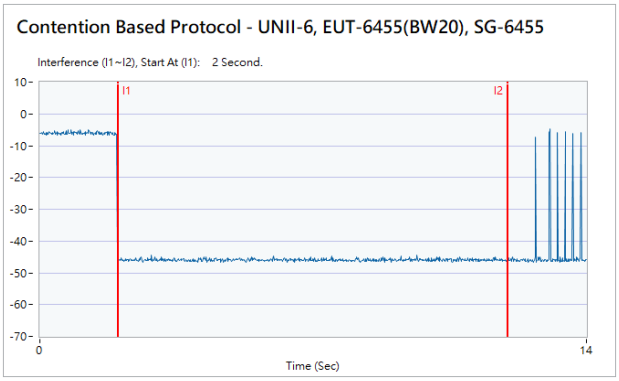
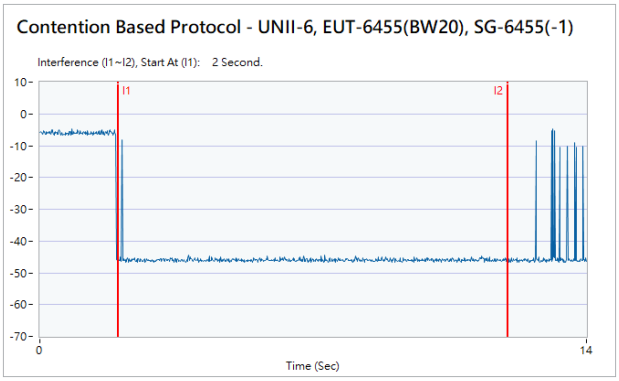
### 3.5.7 Test Plots of Contention Based Protocol Test

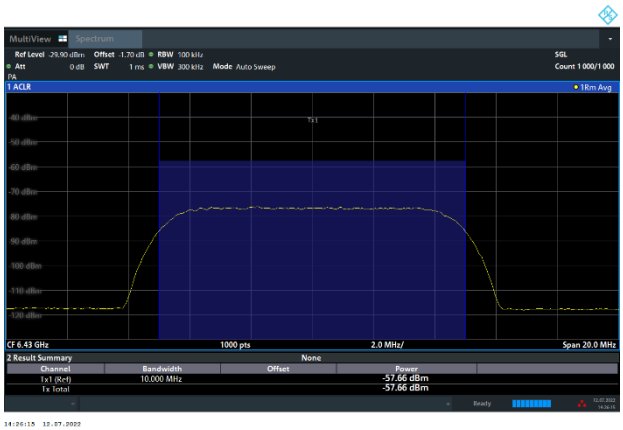
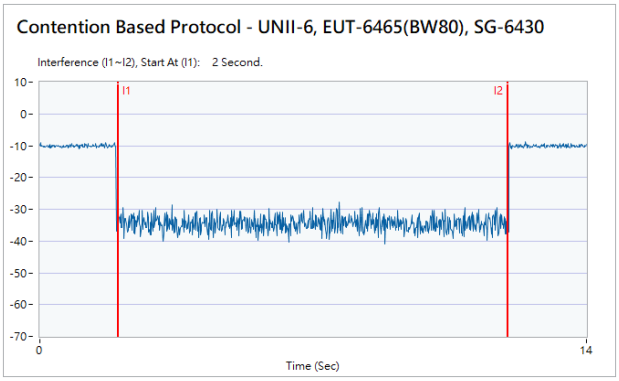
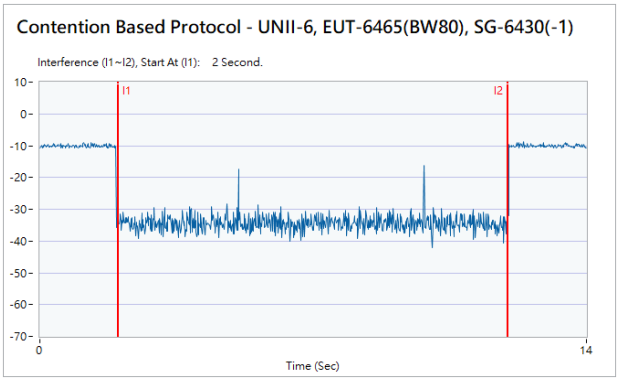
| Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference) | |
|---|---|
| 802.11ax (HE20) / 6135MHz<br>Threshold Level (TL) = -64.05dBm | 802.11ax (HE20) / CH37<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE20) / 6135MHz<br>Threshold Level (TL) = -65.05dBm | 802.11ax (HE20) / CH37<br>Transmit when the interferer is 1dB lower. |
| |  |

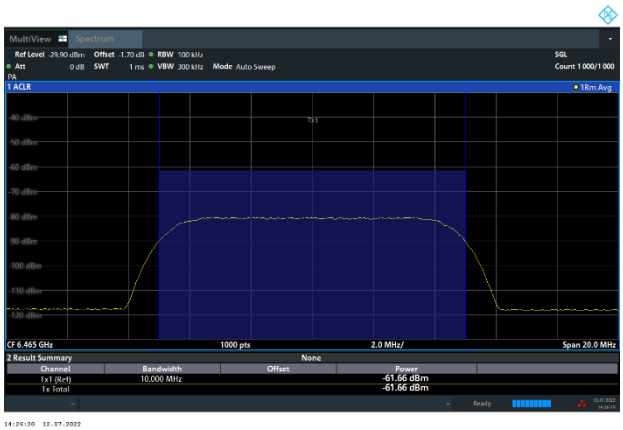
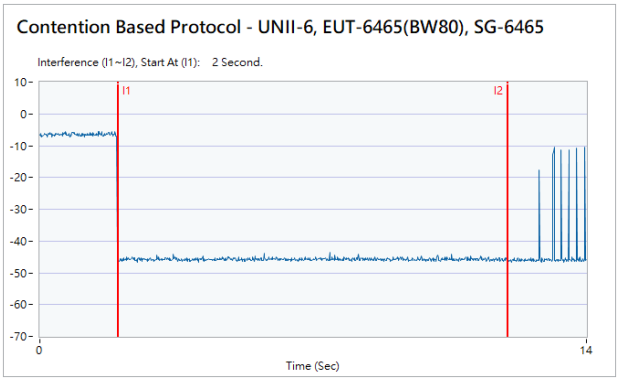
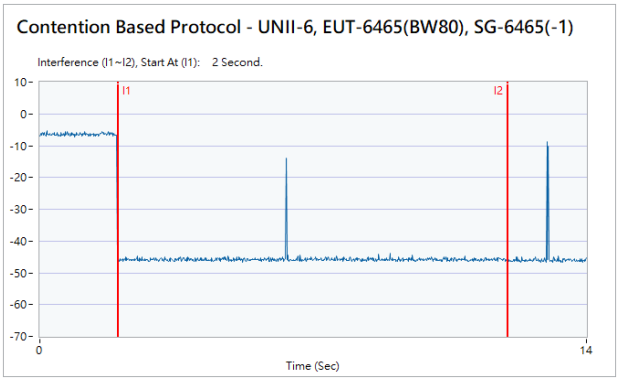
| Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 6110MHz (Lower edge)<br>Threshold Level (TL) = -59.04dBm | 802.11ax (HE80) / CH39 (Lower edge)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 6110MHz (Lower edge)<br>Threshold Level (TL) = -60.04dBm | 802.11ax (HE80) / CH39 (Lower edge)<br>Transmit when the interferer is 1dB lower. |
| |  |

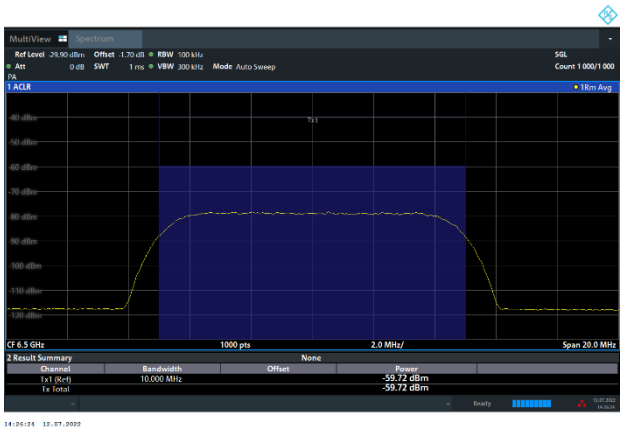
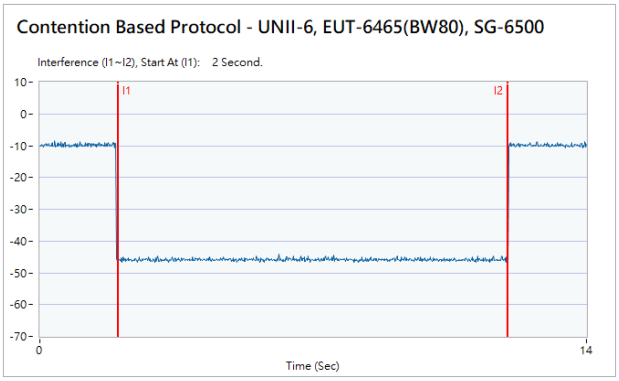
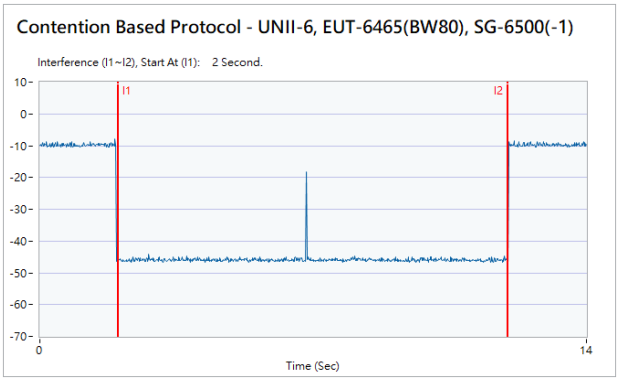
| Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 6145MHz (Middle)<br>Threshold Level (TL) = -59.62dBm | 802.11ax (HE80) / CH39 (Middle)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 6145MHz (Middle)<br>Threshold Level (TL) = -60.62dBm | 802.11ax (HE80) / CH39 (Middle)<br>Transmit when the interferer is 1dB lower. |
| |  |

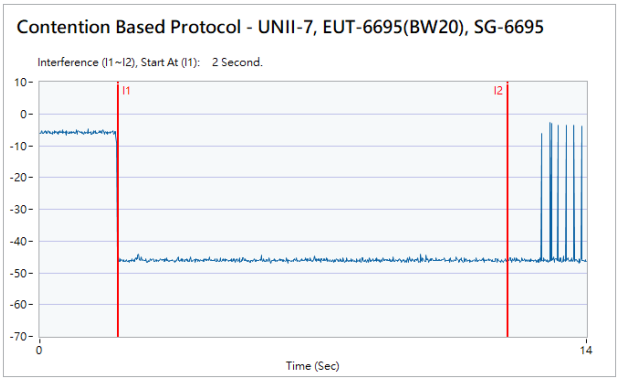
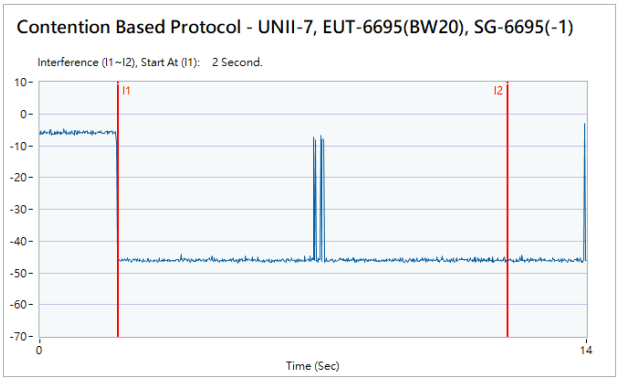
| Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 6180MHz (Upper edge)<br>Threshold Level (TL) = -58.27dBm | 802.11ax (HE80) / CH39 (Upper edge)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 6180MHz (Upper edge)<br>Threshold Level (TL) = -59.27dBm | 802.11ax (HE80) / CH39 (Upper edge)<br>Transmit when the interferer is 1dB lower. |
| |  |

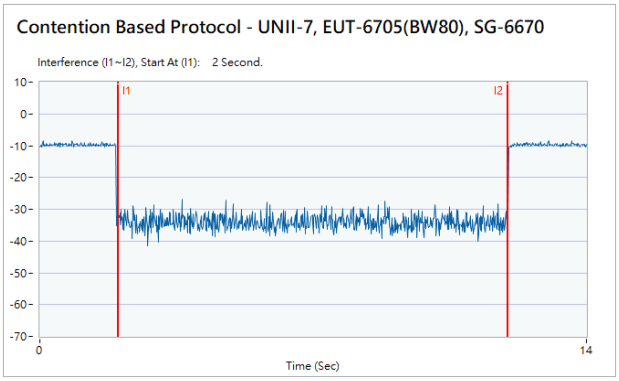
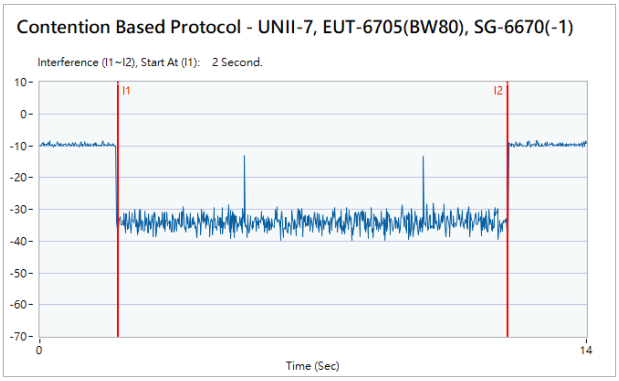
| Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference) | |
|---|---|
| 802.11ax (HE20) / 6455MHz<br>Threshold Level (TL) = -63.67dBm | 802.11ax (HE20) / CH101<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE20) / 6455MHz<br>Threshold Level (TL) = -64.67dBm | 802.11ax (HE20) / CH101<br>Transmit when the interferer is 1dB lower. |
| |  |

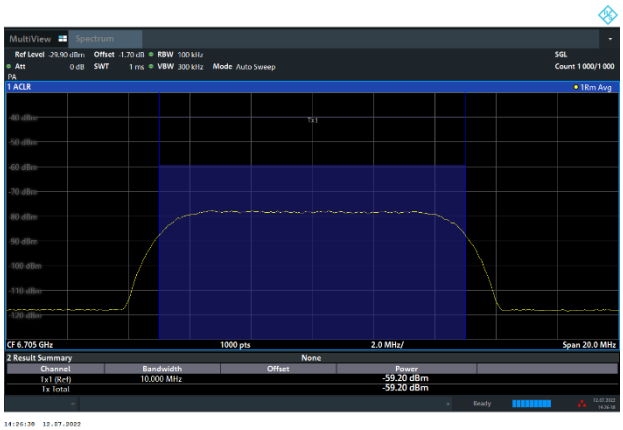
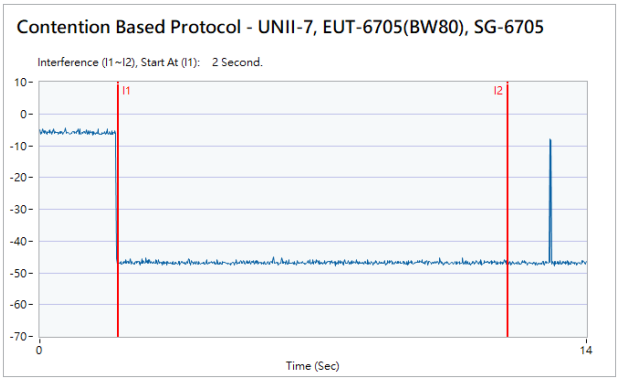
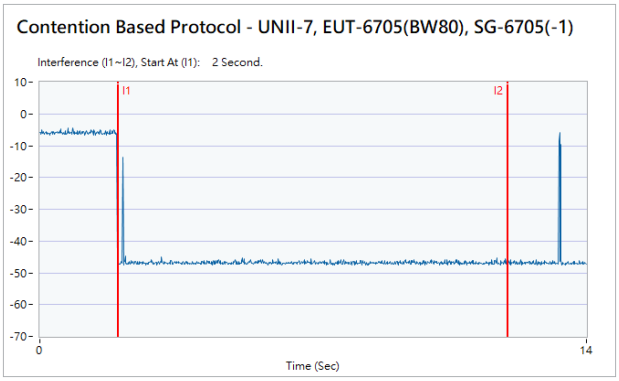
| Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 6430MHz (Lower edge)<br>Threshold Level (TL) = -57.66dBm | 802.11ax (HE80) / CH103 (Lower edge)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 6430MHz (Lower edge)<br>Threshold Level (TL) = -58.66dBm | 802.11ax (HE80) / CH103 (Lower edge)<br>Transmit when the interferer is 1dB lower. |
| |  |

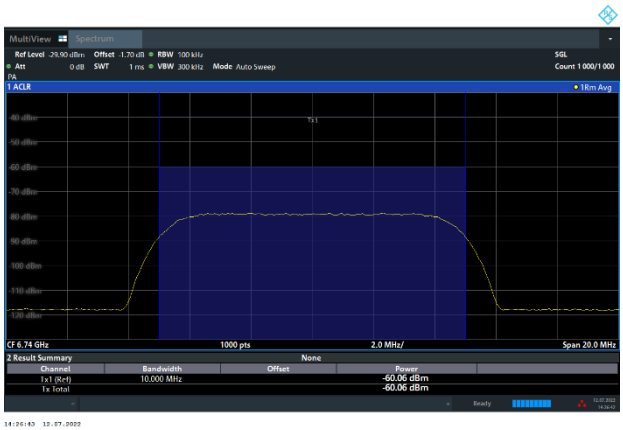
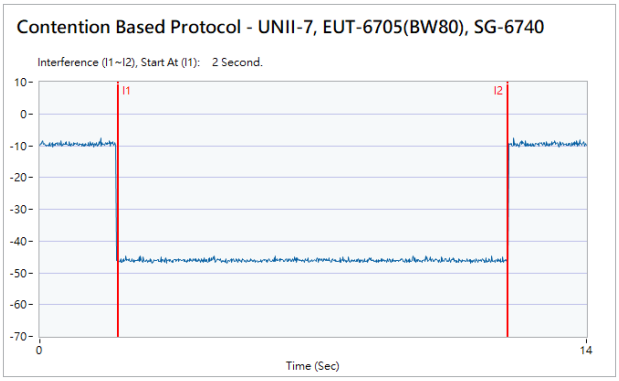
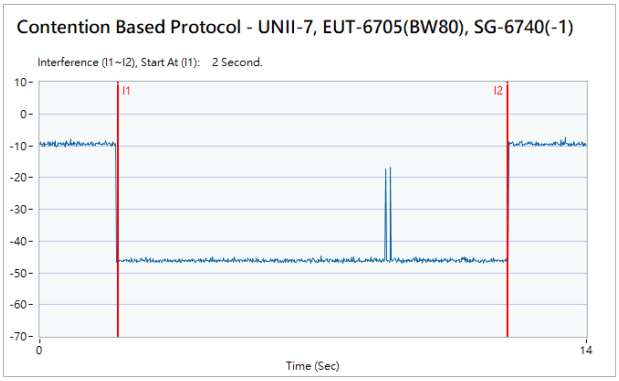
| Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 6465MHz (Middle)<br>Threshold Level (TL) = -61.66dBm | 802.11ax (HE80) / CH103 (Middle)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 6465MHz (Middle)<br>Threshold Level (TL) = -62.66dBm | 802.11ax (HE80) / CH103 (Middle)<br>Transmit when the interferer is 1dB lower. |
| |  |

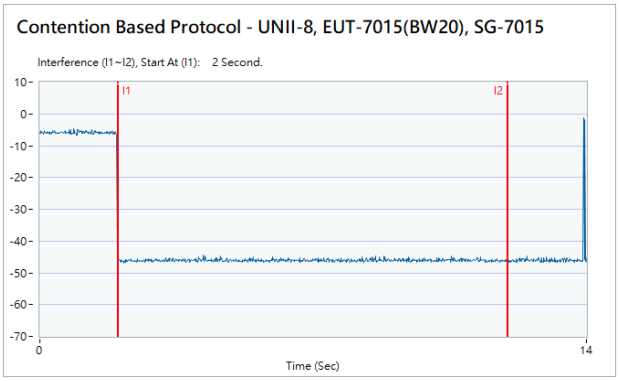
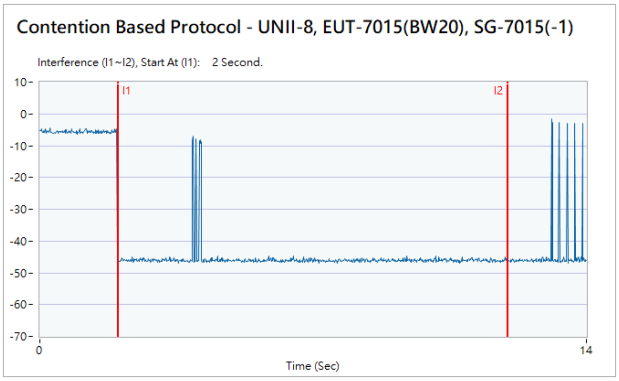
| Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 6500MHz (Upper edge)<br>Threshold Level (TL) = -59.72dBm | 802.11ax (HE80) / CH103 (Upper edge)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 6580MHz (Upper edge)<br>Threshold Level (TL) = -60.72dBm | 802.11ax (HE80) / CH103 (Upper edge)<br>Transmit when the interferer is 1dB lower. |
| |  |

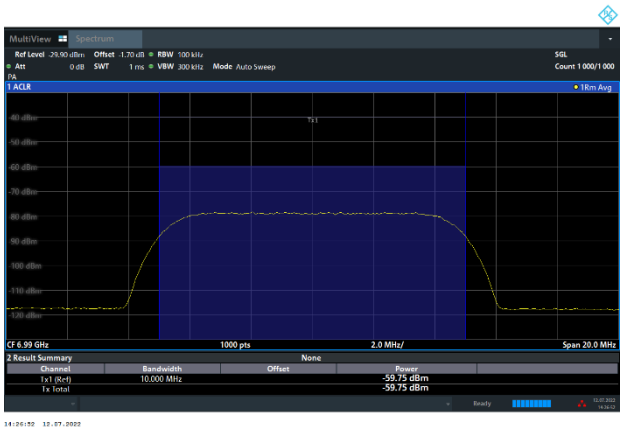
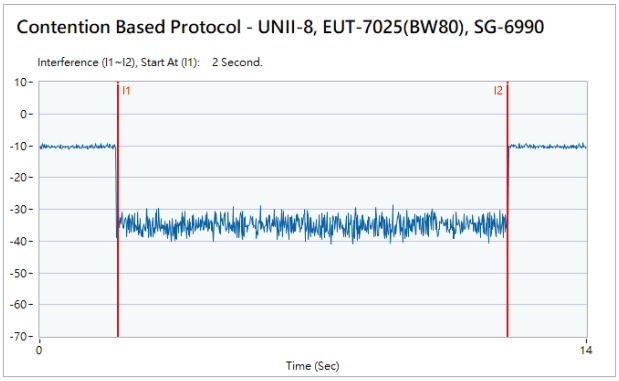
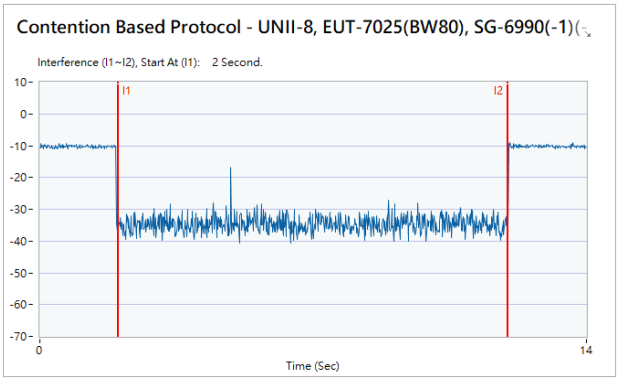
| Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference) | |
|---|---|
| 802.11ax (HE20) / 6695MHz<br>Threshold Level (TL) = -64.02dBm | 802.11ax (HE20) / CH149<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE20) / 6695MHz<br>Threshold Level (TL) = -65.02dBm | 802.11ax (HE20) / CH149<br>Transmit when the interferer is 1dB lower. |
| |  |

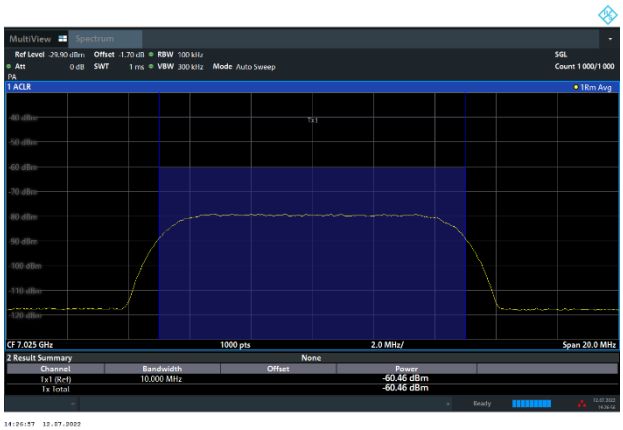
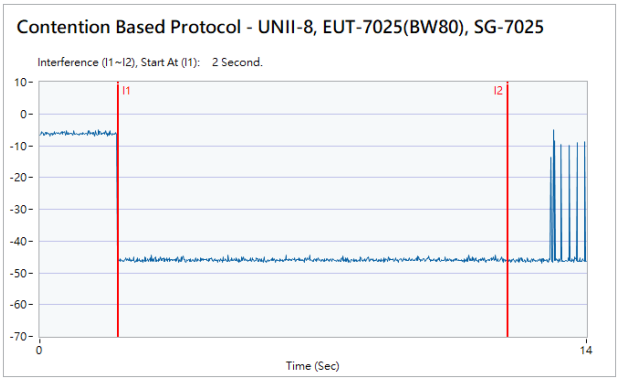
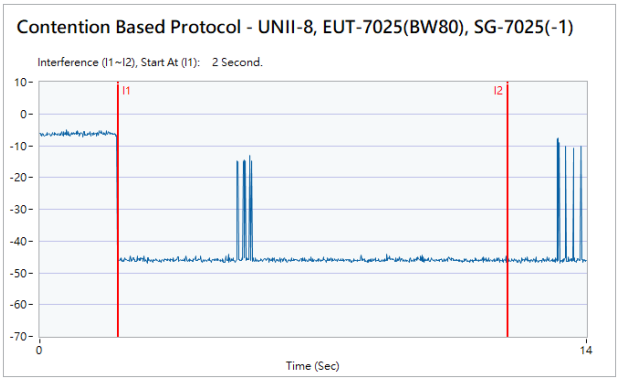
| Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 6670MHz (Lower edge)<br>Threshold Level (TL) = -58.01dBm | 802.11ax (HE80) / CH151 (Lower edge)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 6670MHz (Lower edge)<br>Threshold Level (TL) = -59.01dBm | 802.11ax (HE80) / CH151 (Lower edge)<br>Transmit when the interferer is 1dB lower. |
| |  |

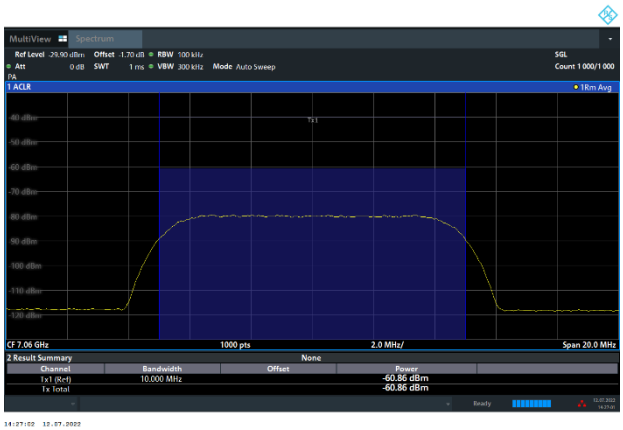
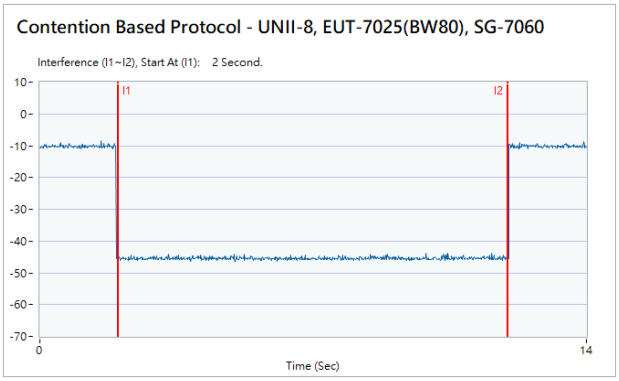
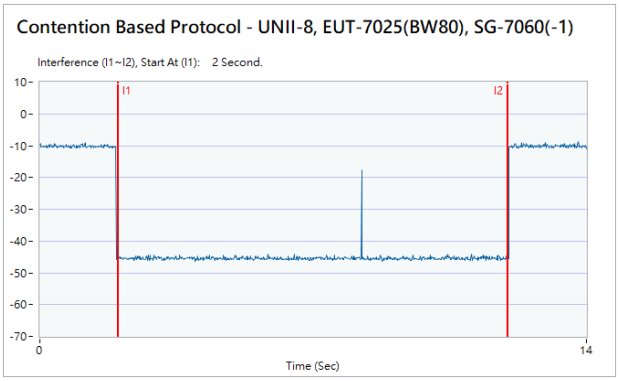
| Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 6705MHz (Middle)<br>Threshold Level (TL) = -59.2dBm | 802.11ax (HE80) / CH143 (Middle)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 6705MHz (Middle)<br>Threshold Level (TL) = -60.20dBm | 802.11ax (HE80) / CH143 (Middle)<br>Transmit when the interferer is 1dB lower. |
| |  |

| Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 6740MHz (Upper edge)<br>Threshold Level (TL) = -60.06dBm | 802.11ax (HE80) / CH151 (Upper edge)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 6740MHz (Upper edge)<br>Threshold Level (TL) = -61.06dBm | 802.11ax (HE80) / CH151 (Upper edge)<br>Transmit when the interferer is 1dB lower. |
| |  |

| Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference) | |
|---|---|
| 802.11ax (HE20) / 7015MHz<br>Threshold Level (TL) = -65.45dBm | 802.11ax (HE20) / CH213<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE20) / 7015MHz<br>Threshold Level (TL) = -66.45dBm | 802.11ax (HE20) / CH213<br>Transmit when the interferer is 1dB lower. |
| |  |

| Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 6990MHz (Lower edge)<br>Threshold Level (TL) = -59.75dBm | 802.11ax (HE80) / CH215 (Lower edge)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 6990MHz (Lower edge)<br>Threshold Level (TL) = -60.75dBm | 802.11ax (HE80) / CH215 (Lower edge)<br>Transmit when the interferer is 1dB lower. |
| |  |

| Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 7025MHz (Middle)<br>Threshold Level (TL) = -60.46dBm | 802.11ax (HE80) / CH215 (Middle)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 7025MHz (Middle)<br>Threshold Level (TL) = -61.46dBm | 802.11ax (HE80) / CH215 (Middle)<br>Transmit when the interferer is 1dB lower. |
| |  |

| Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference) | |
|---|---|
| 802.11ax (HE80) / 7060MHz (Upper edge)<br>Threshold Level (TL) = -60.86dBm | 802.11ax (HE80) / CH215 (Upper edge)<br>Test result is pass due to no transmission occur. |
|  |  |
| 802.11ax (HE80) / 7060MHz (Upper edge)<br>Threshold Level (TL) = -61.86dBm | 802.11ax (HE80) / CH215 (Upper edge)<br>Transmit when the interferer is 1dB lower. |
| |  |

## 3.6 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

### 3.6.1 Limit of Unwanted Emissions

(1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of −27 dBm/MHz.

| EIRP (dBm) | Field Strength at 3m (dBμV/m) |
|---|---|
| - 27 (RMS) | 68.3 |
| - 7 (Peak) | 88.3 |

According 987594 D02 U-NII 6GHz EMC Measurement v01 section G:
Unwanted emissions outside of restricted bands are measured with a RMS detector.
In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|---|---|---|
| 0.009 – 0.490 | 2400/F(kHz) | 300 |
| 0.490 – 1.705 | 24000/F(kHz) | 30 |
| 1.705 – 30.0 | 30 | 30 |
| 30 – 88 | 100 | 3 |
| 88 – 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

**Note:** The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

### 3.6.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.6.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

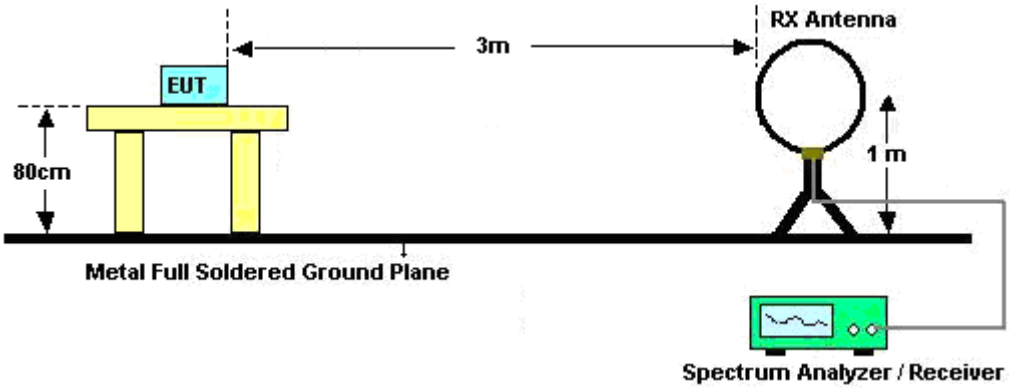
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

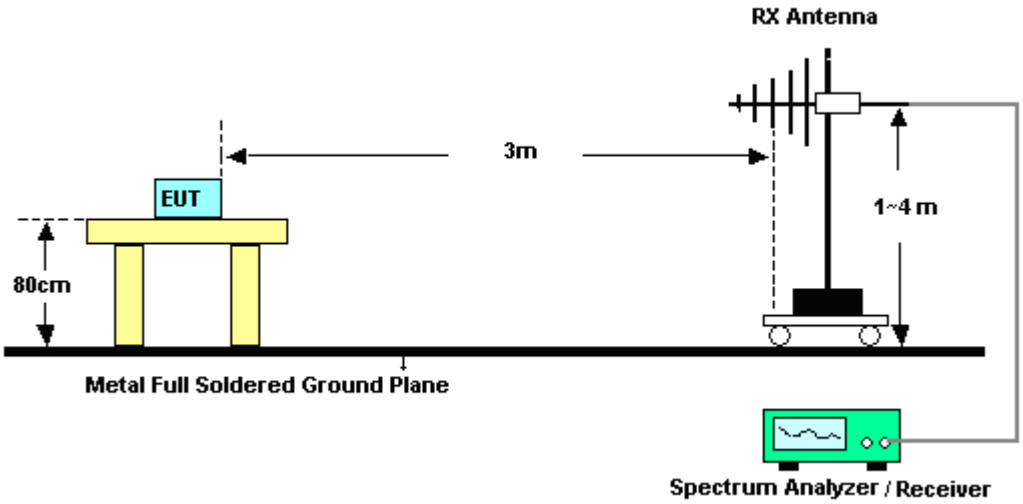
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-"..

### 3.6.4 Test Setup

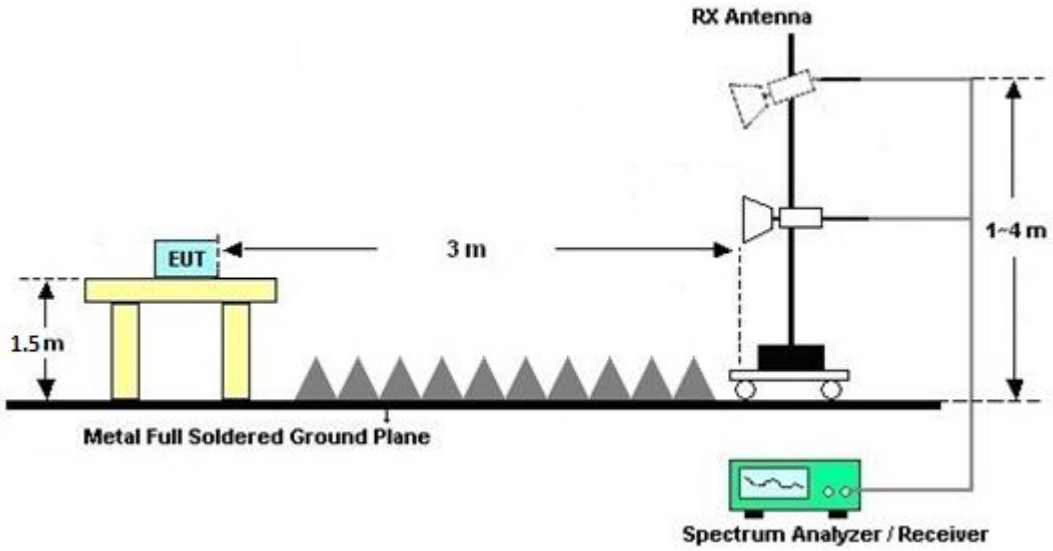
**For radiated emissions below 30MHz**



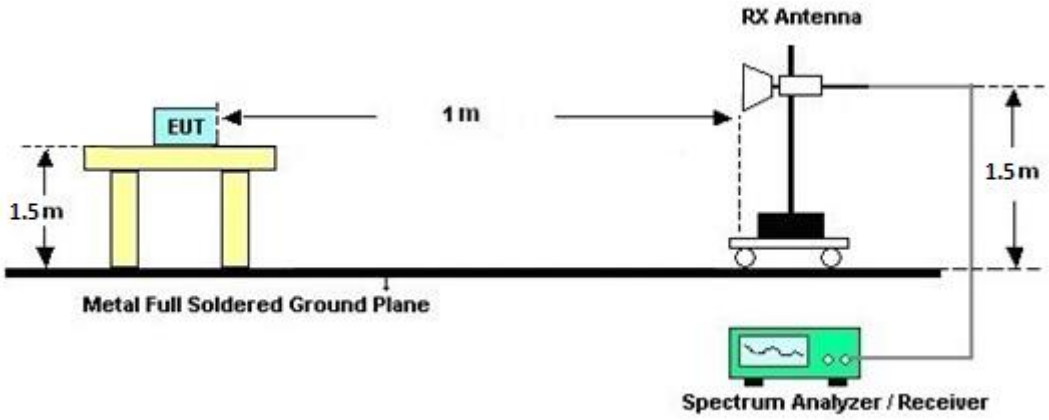

**For radiated emissions from 30MHz to 1GHz**



**For radiated test from 1GHz to 18GHz**




**For radiated test above 18GHz**



### 3.6.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

### 3.6.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

### 3.6.7 Duty Cycle

Please refer to Appendix E.

### 3.6.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

# 3.7 AC Conducted Emission Measurement

## 3.7.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Frequency of emission (MHz) | Conducted limit (dBμV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

*Decreases with the logarithm of the frequency.

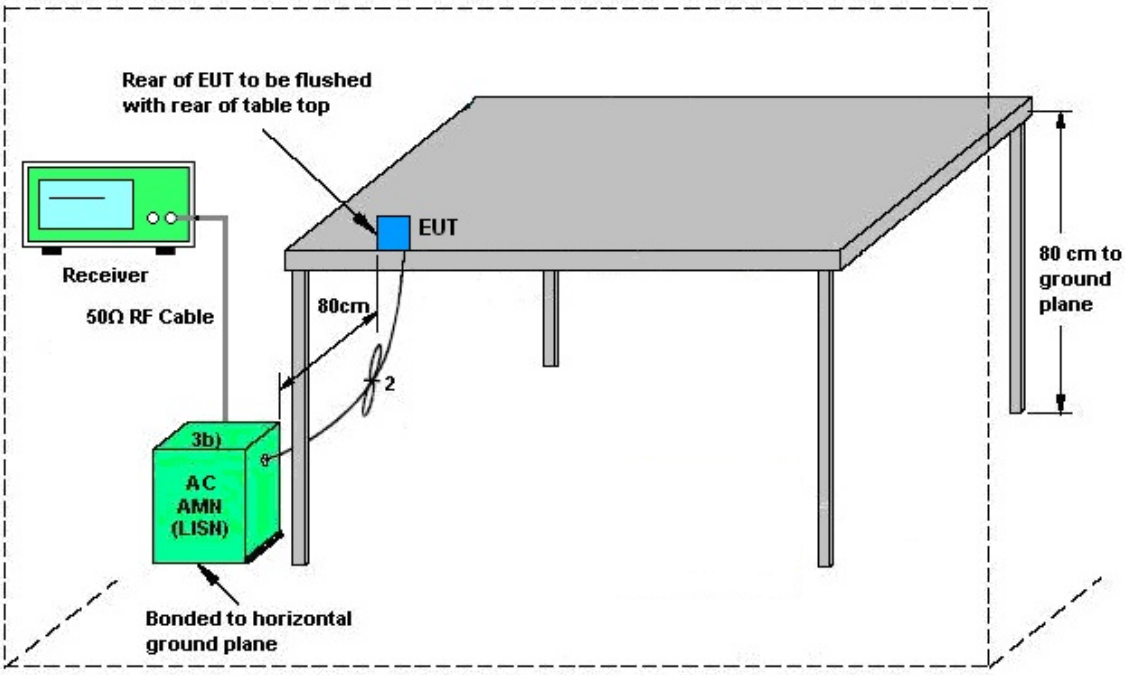
## 3.7.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

## 3.7.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

### 3.7.4 Test Setup




AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

### 3.7.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

# 3.8 Antenna Requirements

## 3.8.1 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

## 3.8.2 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For power measurements on IEEE 802.11 devices,

Directional gain = $G_{ANT}$ + Array Gain, where Array Gain is as follows:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \le 4$.

$G_{ANT}$ is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation follows F)2)f)ii) of KDB 662911 D01 v02r01.

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$

*where*

Each antenna is driven by no more than one spatial stream;

$N_{SS}$ = the number of independent spatial streams of data;

$N_{ANT}$ = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the $k$th antenna is being fed by spatial stream $j$, or zero if it is not;

$G_k$ is the gain in dBi of the kth antenna.

As minimum $N_{SS}$=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

For example: If a device has two antenna, $G_{ANT1}$= 3.6dBi; $G_{ANT2}$=4.2dBi

Directional gain of power measurement = max(3.6, 4.2) + 0 = 4.2 dBi

Directional gain of PSD measurement = $10 * \log[ (10^{3.6/20} + 10^{4.2/20})^2 / 2 ]$ = 6.92 dBi

The directional gain of EUT is listed in the following table.

| | Ant. 0 (dBi) | Ant. 1 (dBi) | DG for Power (dBi) | DG for PSD (dBi) |
|---|---|---|---|---|
| **5925 MHz ~ 6425 MHz** | 6.64 | 6.59 | 6.64 | 9.63 |
| **6425 MHz ~ 6525 MHz** | 5.19 | 5.26 | 5.26 | 8.24 |
| **6525 MHz ~ 6875 MHz** | 5.09 | 5.18 | 5.18 | 8.15 |
| **6875 MHz ~ 7125 MHz** | 5.28 | 4.04 | 5.28 | 7.69 |

Calculation example:

For the band 5925~6425MHz, the DG for PSD is derived from formula is

10 x log { { [ 10^ (6.64dBi / 20) + 10^ (6.59dBi / 20) ] ^ 2 } / 2 }

= 9.63 dBi

# 4 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| Loop Antenna | Rohde & Schwarz | HFH2-Z2 | 100315 | 9 kHz~30 MHz | Jan. 07, 2022 | May 31, 2022~ Jun. 20, 2022 | Jan. 06, 2023 | Radiation (03CH11-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & N-6-06 | 35414 & AT-N0602 | 30MHz~1GHz | Oct. 09, 2021 | May 31, 2022~ Jun. 20, 2022 | Oct. 08, 2022 | Radiation (03CH11-HY) |
| Horn Antenna | SCHWARZBECK | BBHA 9120 D | 9120D-1212 | 1GHz ~ 18GHz | Mar. 10, 2022 | May 31, 2022~ Jun. 20, 2022 | Mar. 09, 2023 | Radiation (03CH11-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK | BBHA9170 | 00993 | 18GHz~40GHz | Nov. 30, 2021 | May 31, 2022~ Jun. 20, 2022 | Nov. 29, 2022 | Radiation (03CH11-HY) |
| Amplifier | SONOMA | 310N | 187312 | 9kHz~1GHz | Dec. 10, 2021 | May 31, 2022~ Jun. 20, 2022 | Dec. 09, 2022 | Radiation (03CH11-HY) |
| Preamplifier | Keysight | 83017A | MY53270080 | 1GHz~26.5GHz | Nov. 10, 2021 | May 31, 2022~ Jun. 20, 2022 | Nov. 09, 2022 | Radiation (03CH11-HY) |
| Preamplifier | Jet-Power | JPA0118-55-303 | 1710001800055007 | 1GHz~18GHz | Jun. 16, 2021 | May 31, 2022~ Jun. 14, 2022 | Jun. 15, 2022 | Radiation (03CH11-HY) |
| Preamplifier | Jet-Power | JPA0118-55-303 | 1710001800055007 | 1GHz~18GHz | Jun. 15, 2022 | Jun 15, 2022~ Jun. 20, 2022 | Jun. 14, 2023 | Radiation (03CH11-HY) |
| Preamplifier | EMEC | EM18G40G | 060801 | 18GHz~40GHz | Jun. 22, 2021 | May 31, 2022~ Jun. 20, 2022 | Jun. 21, 2022 | Radiation (03CH11-HY) |
| Spectrum Analyzer | Keysight | N9010A | MY54200486 | 10Hz~44GHz | Oct. 15, 2021 | May 31, 2022~ Jun. 20, 2022 | Oct. 14, 2022 | Radiation (03CH11-HY) |
| EMI Test Receiver | Keysight | N9038A(MXE) | MY55420170 | 20MHz~8.4GHz | Jul. 15, 2021 | May 31, 2022~ Jun. 20, 2022 | Jul. 14, 2022 | Radiation (03CH11-HY) |
| Controller | EMEC | EM 1000 | N/A | Control Turn table & Ant Mast | N/A | May 31, 2022~ Jun. 20, 2022 | N/A | Radiation (03CH11-HY) |
| Antenna Mast | EMEC | AM-BS-4500-B | N/A | 1~4m | N/A | May 31, 2022~ Jun. 20, 2022 | N/A | Radiation (03CH11-HY) |
| Turn Table | EMEC | TT 2000 | N/A | 0~360 Degree | N/A | May 31, 2022~ Jun. 20, 2022 | N/A | Radiation (03CH11-HY) |
| Software | Audix | E3 6.2009-8-24 | RK-001053 | N/A | N/A | May 31, 2022~ Jun. 20, 2022 | N/A | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | MY2859/2 | 30MHz-40GHz | Mar. 10, 2022 | May 31, 2022~ Jun. 20, 2022 | Mar. 09, 2023 | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY9837/4PE | 9kHz-30MHz | Mar. 10, 2022 | May 31, 2022~ Jun. 20, 2022 | Mar. 09, 2023 | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY9837/4PE | 30MHz-18GHz | Mar. 10, 2022 | May 31, 2022~ Jun. 20, 2022 | Mar. 09, 2023 | Radiation (03CH11-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | 811852/4 | 30MHz-18GHz | Mar. 10, 2022 | May 31, 2022~ Jun. 20, 2022 | Mar. 09, 2023 | Radiation (03CH11-HY) |
| Filter | Wainwright | WLK4-1000-1530-8000-40SS | SN11 | 1.53G Low Pass | Sep. 13, 2021 | May 31, 2022~ Jun. 20, 2022 | Sep. 12, 2022 | Radiation (03CH11-HY) |
| Filter | Wainwright | WHKX12-2700-3000-18000-60SS | SN3 | 3GHz High Pass Filter | Sep. 13, 2021 | May 31, 2022~ Jun. 20, 2022 | Sep. 12, 2022 | Radiation (03CH11-HY) |
| Filter | Wainwright | WHKX8-5872.5-6750-18000-40SS | SN3 | 6.75GHz High Pass Filter | Sep. 13, 2021 | May 31, 2022~ Jun. 20, 2022 | Sep. 12, 2022 | Radiation (03CH11-HY) |
| Filter | Wainwright | WHKX12-900-1000-15000-60SS | SN12 | 1GHz High Pass Filter | Nov. 04, 2021 | May 31, 2022~ Jun. 20, 2022 | Nov. 03, 2022 | Radiation (03CH11-HY) |
| Hygrometer | TECPEL | DTM-303B | TP140325 | N/A | Nov. 26, 2021 | May 31, 2022~ Jun. 20, 2022 | Nov. 25, 2022 | Radiation (03CH11-HY) |
| Hygrometer | TECPEL | DTM-303B | TP200880 | N/A | Sep. 30, 2021 | May 31, 2022~ Jun. 20, 2022 | Sep. 29, 2022 | Radiation (03CH11-HY) |

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| AC Power Source | ChainTek | APC-1000W | N/A | N/A | N/A | Jun. 17, 2022 | N/A | Conduction (CO05-HY) |
| EMI Test Receiver | Rohde & Schwarz | ESR3 | 102388 | 9kHz~3.6GHz | Dec. 01, 2021 | Jun. 17, 2022 | Nov. 30, 2022 | Conduction (CO05-HY) |
| Hygrometer | Testo | 608-H1 | 34913912 | N/A | Nov. 17, 2021 | Jun. 17, 2022 | Nov. 16, 2022 | Conduction (CO05-HY) |
| LISN | Rohde & Schwarz | ENV216 | 100080 | 9kHz~30MHz | Dec. 03, 2021 | Jun. 17, 2022 | Dec. 02, 2022 | Conduction (CO05-HY) |
| LISN | Rohde & Schwarz | ENV216 | 100081 | 9kHz~30MHz | Nov. 16, 2021 | Jun. 17, 2022 | Nov. 15, 2022 | Conduction (CO05-HY) |
| Software | Rohde & Schwarz | EMC32 | N/A | N/A | N/A | Jun. 17, 2022 | N/A | Conduction (CO05-HY) |
| Pulse Limiter | SCHWARZBECK | VTSD 9561-F N | 00691 | N/A | Jul. 28, 2021 | Jun. 17, 2022 | Jul. 27, 2022 | Conduction (CO05-HY) |
| LISN Cable | MVE | RG-400 | 260260 | N/A | Dec. 30, 2021 | Jun. 17, 2022 | Dec. 29, 2022 | Conduction (CO05-HY) |
| Hygrometer | TECPEL | DTM-303A | TP201996 | N/A | Nov. 16, 2021 | Jun. 14, 2022~ Jun. 29, 2022 | Nov. 15, 2022 | Conducted (TH05-HY) |
| Power Meter | DARE | RPR3006W #010 | RPR6W-2101 002(NO:123) | 10MHz~8GHz | Jan. 13, 2022 | Jun. 14, 2022~ Jun. 29, 2022 | Jan. 12, 2023 | Conducted (TH05-HY) |
| Signal Analyzer | Rohde & Schwarz | FSV40 | 101566 | 10Hz~40GHz | Aug. 30, 2021 | Jun. 14, 2022~ Jun. 29, 2022 | Aug. 29, 2022 | Conducted (TH05-HY) |
| Switch Control Mainframe | E-IUSTRUMENT | ETF-1405-0 | EC1900067 (BOX7) | N/A | Aug. 12, 2021 | Jun. 14, 2022~ Jun. 29, 2022 | Aug. 11, 2022 | Conducted (TH05-HY) |
| Signal Generator (Interferer) | Rohde & Schwarz | SMW200A | 109425 | 100kHz~7.5GHz | Jan. 13, 2022 | Jun. 11, 2022~ Jun. 12, 2022 | Jan. 12, 2023 | CBP (DF02-HY) |
| Spectrum Analyzer | Rohde & Schwarz | FSV3044 | 101104 | 10Hz~44GHz | Feb. 16, 2022 | Jun. 11, 2022~ Jun. 12, 2022 | Feb. 15, 2023 | CBP (DF02-HY) |
| Power Divider | Woken | 2Way Divider | DCMB1KW7A 1 | 0.5GHz-18GHz | Calibration from System | Jun. 11, 2022~ Jun. 12, 2022 | Calibration from System | CBP (DF02-HY) |
| Power Divider | Woken | 2Way Divider | DCMB1KW7A 2 | 0.5GHz-18GHz | Calibration from System | Jun. 11, 2022~ Jun. 12, 2022 | Calibration from System | CBP (DF02-HY) |
| Coupler | MVE | MVE4816 | A400014 | 0.5-18GHz | Calibration from System | Jun. 11, 2022~ Jun. 12, 2022 | Calibration from System | CBP (DF02-HY) |
| Power Divider | Woken | 3Way SMA Power Divder Rated to 20W | STI08-0010(# 2) | 2GHz-8GHz | Calibration from System | Jun. 11, 2022~ Jun. 12, 2022 | Calibration from System | CBP (DF02-HY) |

# 5 Uncertainty of Evaluation

**Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **3.1 dB** |

**Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **5.8 dB** |

**Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **5.4 dB** |

**Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **5.9 dB** |

# Appendix A. Test Result of Conducted Test Items

| | | | | |
|---|---|---|---|---|
| Test Engineer: | Junyu Jhou | Temperature: | 21~25 | °C |
| Test Date: | 2022/6/14~2022/6/29 | Relative Humidity: | 51~54 | % |

## ***TEST RESULTS DATA***
## ***26dB and 99% OBW***

| U-NII-5 single antenna | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| 11a | 6Mbps | 1 | 5955 | 17.63 | - | 26.40 | - | |
| 11a | 6Mbps | 1 | 6195 | 17.43 | - | 26.50 | - | |
| 11a | 6Mbps | 1 | 6415 | 17.58 | - | 26.15 | - | |

| U-NII-5 MIMO | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| 11a | 6Mbps | 2 | 5955 | 17.63 | 17.08 | 26.95 | 25.10 | |
| 11a | 6Mbps | 2 | 6195 | 17.48 | 16.98 | 26.70 | 24.80 | |
| 11a | 6Mbps | 2 | 6415 | 17.63 | 17.08 | 28.90 | 25.30 | |

# ***TEST RESULTS DATA***
## ***EIRP Power Table***

| FCC U-NII-5 single antenna | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | Ant 0 | Ant 1 | | |
| 11a | 6Mbps | 1 | 5955 | 1.90 | - | - | 6.64 | 6.59 | 8.54 | - | 24.00 | Pass |
| 11a | 6Mbps | 1 | 6195 | 1.90 | - | | 6.64 | 6.59 | 8.54 | - | 24.00 | Pass |
| 11a | 6Mbps | 1 | 6415 | 1.90 | - | | 6.64 | 6.59 | 8.54 | - | 24.00 | Pass |

| FCC U-NII-5 MIMO | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| 11a | 6Mbps | 2 | 5955 | -4.50 | -3.80 | -1.13 | 6.64 | | 5.51 | 24.00 | Pass |
| 11a | 6Mbps | 2 | 6195 | -4.10 | -4.50 | -1.29 | 6.64 | | 5.35 | 24.00 | Pass |
| 11a | 6Mbps | 2 | 6415 | -4.00 | -4.50 | -1.23 | 6.64 | | 5.41 | 24.00 | Pass |

## ***TEST RESULTS DATA***
## ***EIRP Power Spectral Density***

| FCC U-NII-5 single antenna | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | Ant 0 | Ant 1 | | |
| 11a | 6Mbps | 1 | 001 | 5955 | -7.99 | - | - | 6.64 | 6.59 | -1.35 | - | -1.00 | Pass |
| 11a | 6Mbps | 1 | 049 | 6195 | -7.89 | - | | 6.64 | 6.59 | -1.25 | - | -1.00 | Pass |
| 11a | 6Mbps | 1 | 093 | 6415 | -7.96 | - | | 6.64 | 6.59 | -1.32 | - | -1.00 | Pass |

| FCC U-NII-5 MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| 11a | 6Mbps | 2 | 001 | 5955 | - | | -10.98 | 9.63 | | -1.35 | -1.00 | Pass |
| 11a | 6Mbps | 2 | 049 | 6195 | | | -11.09 | 9.63 | | -1.47 | -1.00 | Pass |
| 11a | 6Mbps | 2 | 093 | 6415 | | | -10.89 | 9.63 | | -1.26 | -1.00 | Pass |

## ***TEST RESULTS DATA***
## ***26dB and 99% OBW***

| U-NII-6 single antenna | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | $N_{TX}$ | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| 11a | 6Mbps | 1 | 6435 | 17.43 | - | 26.50 | - | |
| 11a | 6Mbps | 1 | 6475 | 17.63 | - | 28.10 | - | |
| 11a | 6Mbps | 1 | 6515 | 17.58 | - | 28.05 | - | |

| U-NII-6 MIMO | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | $N_{TX}$ | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| 11a | 6Mbps | 2 | 6435 | 17.43 | 17.13 | 27.15 | 24.90 | |
| 11a | 6Mbps | 2 | 6475 | 17.78 | 17.08 | 27.90 | 25.50 | |
| 11a | 6Mbps | 2 | 6515 | 17.68 | 17.08 | 27.25 | 25.10 | |

## ***TEST RESULTS DATA***
## ***EIRP Power Table***

| FCC U-NII-6 single antenna | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | Ant 0 | Ant 1 | | |
| 11a | 6Mbps | 1 | 6435 | 2.80 | - | - | 5.19 | 5.26 | 7.99 | - | 24.00 | Pass |
| 11a | 6Mbps | 1 | 6475 | 2.80 | - | | 5.19 | 5.26 | 7.99 | - | 24.00 | Pass |
| 11a | 6Mbps | 1 | 6515 | 2.70 | - | | 5.19 | 5.26 | 7.89 | - | 24.00 | Pass |

| FCC U-NII-6 MIMO | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| 11a | 6Mbps | 2 | 6435 | -3.50 | -4.10 | -0.78 | 5.26 | | 4.48 | 24.00 | Pass |
| 11a | 6Mbps | 2 | 6475 | -3.40 | -3.70 | -0.54 | 5.26 | | 4.72 | 24.00 | Pass |
| 11a | 6Mbps | 2 | 6515 | -3.50 | -3.50 | -0.49 | 5.26 | | 4.77 | 24.00 | Pass |

## *TEST RESULTS DATA*
## *EIRP Power Spectral Density*

| FCC U-NII-6 single antenna | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | Ant 0 | Ant 1 | | |
| 11a | 6Mbps | 1 | 097 | 6435 | -7.11 | - | - | 5.19 | 5.26 | -1.92 | - | -1.00 | Pass |
| 11a | 6Mbps | 1 | 105 | 6475 | -7.16 | - | | 5.19 | 5.26 | -1.97 | - | -1.00 | Pass |
| 11a | 6Mbps | 1 | 113 | 6515 | -7.19 | - | | 5.19 | 5.26 | -2.00 | - | -1.00 | Pass |

| FCC U-NII-6 MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| 11a | 6Mbps | 2 | 097 | 6435 | - | | -10.40 | 8.24 | | -2.16 | -1.00 | Pass |
| 11a | 6Mbps | 2 | 105 | 6475 | | | -10.12 | 8.24 | | -1.89 | -1.00 | Pass |
| 11a | 6Mbps | 2 | 113 | 6515 | | | -10.14 | 8.24 | | -1.90 | -1.00 | Pass |

***TEST RESULTS DATA***
***26dB and 99% OBW***

| U-NII-7 single antenna | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| 11a | 6Mbps | 1 | 6535 | 17.58 | - | 26.15 | - | |
| 11a | 6Mbps | 1 | 6695 | 17.58 | - | 28.00 | - | |
| 11a | 6Mbps | 1 | 6855 | 17.53 | - | 27.15 | - | |

| U-NII-7 MIMO | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| 11a | 6Mbps | 2 | 6535 | 17.93 | 17.08 | 27.25 | 25.00 | |
| 11a | 6Mbps | 2 | 6695 | 17.58 | 17.13 | 28.05 | 25.75 | |
| 11a | 6Mbps | 2 | 6855 | 17.53 | 17.13 | 26.15 | 24.90 | |

| Band VII straddle channel single antenna | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| 11a | 6Mbps | 1 | 6875 | 17.43 | - | 27.00 | - | |

| Band VII straddle channel MIMO | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| 11a | 6Mbps | 2 | 6875 | 17.38 | 17.03 | 26.50 | 25.20 | |

## *TEST RESULTS DATA*
## *EIRP Power Table*

| FCC U-NII-7 single antenna | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | Ant 0 | Ant 1 | | |
| 11a | 6Mbps | 1 | 117 | 6535 | 2.60 | - | - | 5.09 | 5.18 | 7.69 | - | 24.00 | Pass |
| 11a | 6Mbps | 1 | 149 | 6695 | 2.70 | - | | 5.09 | 5.18 | 7.79 | - | 24.00 | Pass |
| 11a | 6Mbps | 1 | 181 | 6855 | 2.80 | - | | 5.09 | 5.18 | 7.89 | - | 24.00 | Pass |

| FCC U-NII-7 MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| 11a | 6Mbps | 2 | 117 | 6535 | -3.50 | -3.50 | -0.49 | 5.18 | | 4.69 | 24.00 | Pass |
| 11a | 6Mbps | 2 | 149 | 6695 | -3.40 | -3.40 | -0.39 | 5.18 | | 4.79 | 24.00 | Pass |
| 11a | 6Mbps | 2 | 181 | 6855 | -3.40 | -3.40 | -0.39 | 5.18 | | 4.79 | 24.00 | Pass |

| FCC Band VII straddle channel single antenna | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | Ant 0 | Ant 1 | | |
| 11a | 6Mbps | 1 | 185 | 6875 | 2.80 | - | - | 5.09 | 5.18 | 7.89 | - | 24.00 | Pass |

| FCC Band VII straddle channel MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| 11a | 6Mbps | 2 | 185 | 6875 | -3.40 | -3.30 | -0.34 | 5.18 | | 4.84 | 24.00 | Pass |

## *TEST RESULTS DATA*
## *EIRP Power Spectral Density*

| FCC U-NII-7 single antenna | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | Ant 0 | Ant 1 | | |
| 11a | 6Mbps | 1 | 117 | 6535 | -7.17 | - | - | 5.09 | 5.18 | -2.08 | - | -1.00 | Pass |
| 11a | 6Mbps | 1 | 149 | 6695 | -7.23 | - | | 5.09 | 5.18 | -2.14 | - | -1.00 | Pass |
| 11a | 6Mbps | 1 | 181 | 6855 | -7.25 | - | | 5.09 | 5.18 | -2.16 | - | -1.00 | Pass |

| FCC U-NII-7 MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| 11a | 6Mbps | 2 | 117 | 6535 | - | | -10.20 | 8.15 | | -2.05 | -1.00 | Pass |
| 11a | 6Mbps | 2 | 149 | 6695 | | | -10.14 | 8.15 | | -1.99 | -1.00 | Pass |
| 11a | 6Mbps | 2 | 181 | 6855 | | | -10.17 | 8.15 | | -2.03 | -1.00 | Pass |

| FCC Band VII straddle channel single antenna | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | Ant 0 | Ant 1 | | |
| 11a | 6Mbps | 1 | 185 | 6875 | -7.35 | - | - | 5.09 | 5.18 | -2.26 | - | -1.00 | Pass |

| FCC Band VII straddle channel MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| 11a | 6Mbps | 2 | 185 | 6875 | - | | -10.32 | 8.15 | | -2.17 | -1.00 | Pass |

***TEST RESULTS DATA***
***26dB EBW and 99% OBW***

| U-NII-8 single antenna | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| 11a | 6Mbps | 1 | 189 | 6895 | 17.28 | - | 26.55 | - | |
| 11a | 6Mbps | 1 | 209 | 6995 | 17.13 | - | 26.65 | - | |
| 11a | 6Mbps | 1 | 229 | 7095 | 17.33 | - | 27.35 | - | |
| 11a | 6Mbps | 1 | 233 | 7115 | 17.33 | - | 27.40 | - | |

| U-NII-8 MIMO | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| 11a | 6Mbps | 2 | 189 | 6895 | 17.43 | 17.03 | 27.30 | 24.55 | |
| 11a | 6Mbps | 2 | 209 | 6995 | 17.23 | 16.98 | 25.85 | 25.10 | |
| 11a | 6Mbps | 2 | 229 | 7095 | 17.28 | 16.98 | 26.80 | 24.40 | |
| 11a | 6Mbps | 2 | 233 | 7115 | 17.53 | 16.98 | 27.60 | 25.05 | |

## ***TEST RESULTS DATA***
## ***EIRP Power Table***

| FCC U-NII-8 single antenna | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | Ant 0 | Ant 1 | | |
| 11a | 6Mbps | 1 | 189 | 6895 | 2.60 | - | - | 5.28 | 4.04 | 7.88 | - | 24.00 | Pass |
| 11a | 6Mbps | 1 | 209 | 6995 | 2.80 | - | | 5.28 | 4.04 | 8.08 | - | 24.00 | Pass |
| 11a | 6Mbps | 1 | 229 | 7095 | 3.30 | - | | 5.28 | 4.04 | 8.58 | - | 24.00 | Pass |
| 11a | 6Mbps | 1 | 233 | 7115 | 1.80 | - | | 5.28 | 4.04 | 7.08 | - | 24.00 | Pass |

| FCC U-NII-8 MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| 11a | 6Mbps | 2 | 189 | 6895 | -3.80 | -4.60 | -1.17 | 5.28 | | 4.11 | 24.00 | Pass |
| 11a | 6Mbps | 2 | 209 | 6995 | -3.20 | -3.40 | -0.29 | 5.28 | | 4.99 | 24.00 | Pass |
| 11a | 6Mbps | 2 | 229 | 7095 | -2.80 | -2.40 | 0.41 | 5.28 | | 5.69 | 24.00 | Pass |
| 11a | 6Mbps | 2 | 233 | 7115 | -3.00 | -3.70 | -0.33 | 5.28 | | 4.95 | 24.00 | Pass |

## *TEST RESULTS DATA*
## *EIRP Power Spectral Density*

| FCC U-NII-8 single antenna | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | Ant 0 | Ant 1 | | |
| 11a | 6Mbps | 1 | 189 | 6895 | -7.35 | - | - | 5.28 | 4.04 | -2.07 | - | -1.00 | Pass |
| 11a | 6Mbps | 1 | 209 | 6995 | -7.25 | - | | 5.28 | 4.04 | -1.97 | - | -1.00 | Pass |
| 11a | 6Mbps | 1 | 229 | 7095 | -7.38 | - | | 5.28 | 4.04 | -2.10 | - | -1.00 | Pass |
| 11a | 6Mbps | 1 | 233 | 7115 | -8.47 | - | | 5.28 | 4.04 | -3.19 | - | -1.00 | Pass |

| FCC U-NII-8 MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| 11a | 6Mbps | 2 | 189 | 6895 | - | | -10.50 | 7.69 | | -2.81 | -1.00 | Pass |
| 11a | 6Mbps | 2 | 209 | 6995 | | | -10.16 | 7.69 | | -2.47 | -1.00 | Pass |
| 11a | 6Mbps | 2 | 229 | 7095 | | | -10.42 | 7.69 | | -2.73 | -1.00 | Pass |
| 11a | 6Mbps | 2 | 233 | 7115 | | | -10.10 | 7.69 | | -2.41 | -1.00 | Pass |

***TEST RESULTS DATA***
***26dB and 99% OBW***

| U-NII-5 MIMO | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| HE20 | MCS0 | 2 | 5955 | Full | 19.13 | 19.08 | 29.74 | 22.85 | |
| HE20 | MCS0 | 2 | 6195 | Full | 19.13 | 19.08 | 23.50 | 22.70 | |
| HE20 | MCS0 | 2 | 6415 | Full | 19.13 | 19.08 | 26.60 | 22.75 | |
| HE40 | MCS0 | 2 | 5965 | Full | 37.76 | 37.56 | 39.60 | 39.51 | |
| HE40 | MCS0 | 2 | 6205 | Full | 37.36 | 37.66 | 39.51 | 39.42 | |
| HE40 | MCS0 | 2 | 6405 | Full | 37.76 | 37.56 | 39.51 | 39.15 | |
| HE80 | MCS0 | 2 | 5985 | Full | 76.00 | 76.72 | 80.48 | 80.64 | |
| HE80 | MCS0 | 2 | 6225 | Full | 76.36 | 77.08 | 80.48 | 80.80 | |
| HE80 | MCS0 | 2 | 6385 | Full | 77.08 | 76.72 | 80.80 | 80.80 | |

## *TEST RESULTS DATA*
## *EIRP Power Table*

| FCC U-NII-5 MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE20 | MCS0 | 2 | 001 | 5955 | Full | -3.30 | -3.30 | -0.29 | 6.64 | | 6.35 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 001 | 5955 | 26/0 | -12.00 | -12.30 | -9.14 | 6.64 | | -2.50 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 001 | 5955 | 52/37 | -9.20 | -9.40 | -6.29 | 6.64 | | 0.35 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 001 | 5955 | 106/53 | -6.70 | -6.80 | -3.74 | 6.64 | | 2.90 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 049 | 6195 | Full | -3.60 | -3.80 | -0.69 | 6.64 | | 5.95 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 049 | 6195 | 26/4 | -12.10 | -11.20 | -8.62 | 6.64 | | -1.98 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 049 | 6195 | 52/39 | -9.40 | -10.00 | -6.68 | 6.64 | | -0.04 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 049 | 6195 | 106/53 | -6.50 | -6.70 | -3.59 | 6.64 | | 3.05 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 093 | 6415 | Full | -3.30 | -4.10 | -0.67 | 6.64 | | 5.97 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 093 | 6415 | 26/8 | -12.50 | -13.30 | -9.87 | 6.64 | | -3.23 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 093 | 6415 | 52/40 | -9.10 | -11.00 | -6.94 | 6.64 | | -0.30 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 093 | 6415 | 106/54 | -6.20 | -7.20 | -3.66 | 6.64 | | 2.98 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 003 | 5965 | Full | -2.30 | -1.20 | 1.30 | 6.64 | | 7.94 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 003 | 5965 | 242/61 | -4.10 | -2.50 | -0.22 | 6.64 | | 6.42 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 051 | 6205 | Full | -1.50 | -1.40 | 1.56 | 6.64 | | 8.20 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 051 | 6205 | 242/61 | -3.40 | -3.20 | -0.29 | 6.64 | | 6.35 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 091 | 6405 | Full | -2.00 | -1.60 | 1.21 | 6.64 | | 7.85 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 091 | 6405 | 242/62 | -3.30 | -3.20 | -0.24 | 6.64 | | 6.40 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 007 | 5985 | Full | 1.00 | 1.70 | 4.37 | 6.64 | | 11.01 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 007 | 5985 | 484/65 | -1.30 | -0.30 | 2.24 | 6.64 | | 8.88 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 055 | 6225 | Full | 1.40 | 1.30 | 4.36 | 6.64 | | 11.00 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 055 | 6225 | 484/65 | -0.90 | -1.10 | 2.01 | 6.64 | | 8.65 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 087 | 6385 | Full | 0.70 | 1.00 | 3.86 | 6.64 | | 10.50 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 087 | 6385 | 484/66 | -1.90 | -0.90 | 1.64 | 6.64 | | 8.28 | 24.00 | Pass |

## *TEST RESULTS DATA*
## *EIRP Power Spectral Density*

| FCC U-NII-5 MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE20 | MCS0 | 2 | 001 | 5955 | Full | - | - | -10.77 | 9.63 | | -1.15 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 001 | 5955 | 26/0 | - | - | -11.02 | 9.63 | | -1.39 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 001 | 5955 | 52/37 | - | - | -11.04 | 9.63 | | -1.41 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 001 | 5955 | 106/53 | - | - | -11.33 | 9.63 | | -1.71 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 049 | 6195 | Full | - | - | -11.08 | 9.63 | | -1.45 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 049 | 6195 | 26/4 | - | - | -11.23 | 9.63 | | -1.60 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 049 | 6195 | 52/39 | - | - | -11.29 | 9.63 | | -1.67 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 049 | 6195 | 106/53 | - | - | -11.13 | 9.63 | | -1.50 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 093 | 6415 | Full | - | - | -10.97 | 9.63 | | -1.34 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 093 | 6415 | 26/8 | - | - | -11.30 | 9.63 | | -1.67 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 093 | 6415 | 52/40 | - | - | -11.16 | 9.63 | | -1.53 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 093 | 6415 | 106/54 | - | - | -11.36 | 9.63 | | -1.74 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 003 | 5965 | Full | - | - | -10.67 | 9.63 | | -1.04 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 003 | 5965 | 242/61 | - | - | -10.97 | 9.63 | | -1.35 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 051 | 6205 | Full | - | - | -10.87 | 9.63 | | -1.25 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 051 | 6205 | 242/61 | - | - | -11.27 | 9.63 | | -1.65 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 091 | 6405 | Full | - | - | -10.78 | 9.63 | | -1.15 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 091 | 6405 | 242/62 | - | - | -10.83 | 9.63 | | -1.20 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 007 | 5985 | Full | - | - | -10.86 | 9.63 | | -1.23 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 007 | 5985 | 484/65 | - | - | -11.51 | 9.63 | | -1.88 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 055 | 6225 | Full | - | - | -10.78 | 9.63 | | -1.15 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 055 | 6225 | 484/65 | - | - | -11.20 | 9.63 | | -1.58 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 087 | 6385 | Full | - | - | -10.93 | 9.63 | | -1.30 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 087 | 6385 | 484/66 | - | - | -11.72 | 9.63 | | -2.10 | -1.00 | Pass |

***TEST RESULTS DATA***
***26dB and 99% OBW***

| U-NII-6 MIMO | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| HE20 | MCS0 | 2 | 6435 | Full | 19.13 | 19.13 | 23.95 | 26.70 | |
| HE20 | MCS0 | 2 | 6475 | Full | 19.18 | 19.13 | 25.60 | 23.20 | |
| HE20 | MCS0 | 2 | 6515 | Full | 19.13 | 19.13 | 23.55 | 23.30 | |
| HE40 | MCS0 | 2 | 6445 | Full | 37.46 | 37.66 | 39.42 | 39.60 | |
| HE40 | MCS0 | 2 | 6485 | Full | 37.46 | 37.56 | 39.60 | 39.42 | |
| HE80 | MCS0 | 2 | 6465 | Full | 77.20 | 76.96 | 81.12 | 80.64 | |

| Band VI straddle channel MIMO | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| HE40 | MCS0 | 2 | 6525 | Full | 37.56 | 37.66 | 39.42 | 39.51 | |
| HE80 | MCS0 | 2 | 6545 | Full | 77.08 | 76.36 | 80.80 | 80.64 | |

## *TEST RESULTS DATA*
## *EIRP Power Table*

| FCC U-NII-6 MIMO | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE20 | MCS0 | 2 | 097 | 6435 | Full | -2.80 | -3.40 | -0.08 | 5.26 | | 5.18 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 097 | 6435 | 26/0 | -12.10 | -12.70 | -9.38 | 5.26 | | -4.12 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 097 | 6435 | 52/37 | -8.90 | -9.60 | -6.23 | 5.26 | | -0.97 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 097 | 6435 | 106/53 | -5.70 | -6.30 | -2.98 | 5.26 | | 2.28 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 105 | 6475 | Full | -3.20 | -3.50 | -0.34 | 5.26 | | 4.92 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 105 | 6475 | 26/4 | -11.70 | -11.60 | -8.64 | 5.26 | | -3.38 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 105 | 6475 | 52/39 | -9.10 | -9.50 | -6.29 | 5.26 | | -1.03 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 105 | 6475 | 106/54 | -6.10 | -6.60 | -3.33 | 5.26 | | 1.93 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 113 | 6515 | Full | -2.80 | -2.90 | 0.16 | 5.26 | | 5.42 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 113 | 6515 | 26/8 | -12.40 | -11.60 | -8.97 | 5.26 | | -3.71 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 113 | 6515 | 52/40 | -9.20 | -8.40 | -5.77 | 5.26 | | -0.51 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 113 | 6515 | 106/54 | -6.10 | -5.50 | -2.78 | 5.26 | | 2.48 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 099 | 6445 | Full | -0.60 | -0.80 | 2.31 | 5.26 | | 7.57 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 099 | 6445 | 242/61 | -2.40 | -2.10 | 0.76 | 5.26 | | 6.02 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 107 | 6485 | Full | -0.80 | -0.40 | 2.41 | 5.26 | | 7.67 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 107 | 6485 | 242/62 | -2.40 | -2.30 | 0.66 | 5.26 | | 5.92 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 103 | 6465 | Full | 1.80 | 2.00 | 4.91 | 5.26 | | 10.17 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 103 | 6465 | 484/65 | 0.70 | 0.60 | 3.66 | 5.26 | | 8.92 | 24.00 | Pass |

| FCC U-NII-6 straddle channel MIMO | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE40 | MCS0 | 2 | 115 | 6525 | Full | -0.80 | -0.70 | 2.26 | 5.26 | | 7.52 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 115 | 6525 | 242/62 | -2.30 | -2.00 | 0.86 | 5.26 | | 6.12 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 119 | 6545 | Full | 2.20 | 2.10 | 5.16 | 5.26 | | 10.42 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 119 | 6545 | 484/66 | 0.50 | 0.40 | 3.46 | 5.26 | | 8.72 | 24.00 | Pass |

## *TEST RESULTS DATA*
## *EIRP Power Spectral Density*

| U-NII-6 MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE20 | MCS0 | 2 | 097 | 6435 | Full | - | | -10.35 | 8.24 | | -2.11 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 097 | 6435 | 26/0 | | | -10.51 | 8.24 | | -2.27 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 097 | 6435 | 52/37 | | | -10.82 | 8.24 | | -2.58 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 097 | 6435 | 106/53 | | | -10.49 | 8.24 | | -2.25 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 105 | 6475 | Full | | | -10.39 | 8.24 | | -2.15 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 105 | 6475 | 26/4 | | | -10.74 | 8.24 | | -2.51 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 105 | 6475 | 52/39 | | | -10.61 | 8.24 | | -2.38 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 105 | 6475 | 106/54 | | | -10.64 | 8.24 | | -2.41 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 113 | 6515 | Full | | | -10.06 | 8.24 | | -1.83 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 113 | 6515 | 26/8 | | | -10.26 | 8.24 | | -2.02 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 113 | 6515 | 52/40 | | | -10.38 | 8.24 | | -2.14 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 113 | 6515 | 106/54 | | | -10.38 | 8.24 | | -2.14 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 099 | 6445 | Full | | | -10.20 | 8.24 | | -1.96 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 099 | 6445 | 242/61 | | | -10.22 | 8.24 | | -1.98 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 107 | 6485 | Full | | | -10.17 | 8.24 | | -1.93 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 107 | 6485 | 242/62 | | | -10.37 | 8.24 | | -2.13 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 103 | 6465 | Full | | | -10.21 | 8.24 | | -1.97 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 103 | 6465 | 484/65 | | | -10.27 | 8.24 | | -2.03 | -1.00 | Pass |

| FCC Band VI straddle channel MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE40 | MCS0 | 2 | 115 | 6525 | Full | - | | -10.16 | 8.24 | | -1.92 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 115 | 6525 | 242/62 | | | -10.29 | 8.24 | | -2.06 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 119 | 6545 | Full | | | -10.12 | 8.24 | | -1.89 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 119 | 6545 | 484/66 | | | -10.22 | 8.24 | | -1.99 | -1.00 | Pass |

***TEST RESULTS DATA***
***26dB and 99% OBW***

| U-NII-7 MIMO | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| HE20 | MCS0 | 2 | 6535 | Full | 19.13 | 19.08 | 24.70 | 23.20 | |
| HE20 | MCS0 | 2 | 6695 | Full | 19.18 | 19.13 | 25.25 | 22.60 | |
| HE20 | MCS0 | 2 | 6855 | Full | 19.18 | 19.08 | 22.40 | 23.35 | |
| HE40 | MCS0 | 2 | 6565 | Full | 37.36 | 37.56 | 39.51 | 39.42 | |
| HE40 | MCS0 | 2 | 6685 | Full | 37.76 | 37.56 | 39.69 | 39.42 | |
| HE40 | MCS0 | 2 | 6845 | Full | 37.76 | 37.66 | 39.51 | 39.51 | |
| HE80 | MCS0 | 2 | 6625 | Full | 77.08 | 76.60 | 80.80 | 80.64 | |
| HE80 | MCS0 | 2 | 6705 | Full | 77.08 | 76.84 | 80.96 | 80.64 | |
| HE80 | MCS0 | 2 | 6785 | Full | 76.84 | 76.84 | 80.96 | 80.64 | |

| Band VII straddle channel MIMO | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| HE20 | MCS0 | 2 | 6875 | Full | 19.08 | 19.08 | 22.90 | 22.15 | |
| HE40 | MCS0 | 2 | 6885 | Full | 37.56 | 37.66 | 39.51 | 39.42 | |
| HE80 | MCS0 | 2 | 6865 | Full | 76.84 | 76.84 | 80.96 | 80.80 | |

## *TEST RESULTS DATA*
## *EIRP Power Table*

| FCC U-NII-7 MIMO | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE20 | MCS0 | 2 | 117 | 6535 | Full | -2.50 | -2.80 | 0.36 | 5.18 | | 5.54 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 117 | 6535 | 26/0 | -11.90 | -12.30 | -9.09 | 5.18 | | -3.91 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 117 | 6535 | 52/37 | -8.70 | -8.90 | -5.79 | 5.18 | | -0.61 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 117 | 6535 | 106/53 | -5.60 | -6.00 | -2.79 | 5.18 | | 2.39 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 149 | 6695 | Full | -2.80 | -2.80 | 0.21 | 5.18 | | 5.39 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 149 | 6695 | 26/4 | -10.70 | -12.10 | -8.33 | 5.18 | | -3.15 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 149 | 6695 | 52/38 | -9.00 | -9.30 | -6.14 | 5.18 | | -0.96 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 149 | 6695 | 106/53 | -5.80 | -6.40 | -3.08 | 5.18 | | 2.10 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 181 | 6855 | Full | -2.80 | -2.80 | 0.21 | 5.18 | | 5.39 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 181 | 6855 | 26/8 | -13.00 | -11.90 | -9.40 | 5.18 | | -4.22 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 181 | 6855 | 52/40 | -9.20 | -8.60 | -5.88 | 5.18 | | -0.70 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 181 | 6855 | 106/54 | -6.50 | -5.60 | -3.02 | 5.18 | | 2.16 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 123 | 6565 | Full | -0.50 | -0.90 | 2.31 | 5.18 | | 7.49 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 123 | 6565 | 242/61 | -2.30 | -2.40 | 0.66 | 5.18 | | 5.84 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 147 | 6685 | Full | -1.50 | -0.70 | 1.93 | 5.18 | | 7.11 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 147 | 6685 | 242/61 | -2.70 | -2.30 | 0.51 | 5.18 | | 5.69 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 179 | 6845 | Full | -0.80 | -0.70 | 2.26 | 5.18 | | 7.44 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 179 | 6845 | 242/62 | -3.10 | -2.20 | 0.38 | 5.18 | | 5.56 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 135 | 6625 | Full | 2.50 | 2.50 | 5.51 | 5.18 | | 10.69 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 135 | 6625 | 484/65 | 0.20 | 0.50 | 3.36 | 5.18 | | 8.54 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 151 | 6705 | Full | 2.50 | 2.80 | 5.66 | 5.18 | | 10.84 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 151 | 6705 | 484/65 | 0.30 | 0.60 | 3.46 | 5.18 | | 8.64 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 167 | 6785 | Full | 2.60 | 2.70 | 5.66 | 5.18 | | 10.84 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 167 | 6785 | 484/66 | -0.50 | 0.10 | 2.82 | 5.18 | | 8.00 | 24.00 | Pass |

| FCC Band VII straddle channel MIMO | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE20 | MCS0 | 2 | 185 | 6875 | Full | -2.80 | -2.70 | 0.26 | 5.18 | | 5.44 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 185 | 6875 | 26/8 | -13.00 | -12.10 | -9.52 | 5.18 | | -4.34 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 185 | 6875 | 52/40 | -8.70 | -8.70 | -5.69 | 5.18 | | -0.51 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 185 | 6875 | 106/54 | -6.50 | -5.50 | -2.96 | 5.18 | | 2.22 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 187 | 6885 | Full | -1.40 | -0.80 | 1.92 | 5.18 | | 7.10 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 187 | 6885 | 242/62 | -2.60 | -2.30 | 0.56 | 5.18 | | 5.74 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 183 | 6865 | Full | 2.10 | 2.60 | 5.37 | 5.18 | | 10.55 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 183 | 6865 | 484/66 | 0.40 | 0.70 | 3.56 | 5.18 | | 8.74 | 24.00 | Pass |

## *TEST RESULTS DATA*
## *EIRP Power Spectral Density*

| FCC U-NII-7 MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE20 | MCS0 | 2 | 117 | 6535 | Full | - | | -10.12 | 8.15 | | -1.98 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 117 | 6535 | 26/0 | | | -10.61 | 8.15 | | -2.46 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 117 | 6535 | 52/37 | | | -10.60 | 8.15 | | -2.46 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 117 | 6535 | 106/53 | | | -10.45 | 8.15 | | -2.31 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 149 | 6695 | Full | | | -10.17 | 8.15 | | -2.03 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 149 | 6695 | 26/4 | | | -10.39 | 8.15 | | -2.24 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 149 | 6695 | 52/38 | | | -10.49 | 8.15 | | -2.34 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 149 | 6695 | 106/53 | | | -10.19 | 8.15 | | -2.04 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 181 | 6855 | Full | | | -10.22 | 8.15 | | -2.07 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 181 | 6855 | 26/8 | | | -10.41 | 8.15 | | -2.27 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 181 | 6855 | 52/40 | | | -10.39 | 8.15 | | -2.24 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 181 | 6855 | 106/54 | | | -10.54 | 8.15 | | -2.39 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 123 | 6565 | Full | | | -10.27 | 8.15 | | -2.13 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 123 | 6565 | 242/61 | | | -10.29 | 8.15 | | -2.14 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 147 | 6685 | Full | | | -10.21 | 8.15 | | -2.06 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 147 | 6685 | 242/61 | | | -10.53 | 8.15 | | -2.38 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 179 | 6845 | Full | | | -10.37 | 8.15 | | -2.22 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 179 | 6845 | 242/62 | | | -10.85 | 8.15 | | -2.70 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 135 | 6625 | Full | | | -10.27 | 8.15 | | -2.13 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 135 | 6625 | 484/65 | | | -10.68 | 8.15 | | -2.53 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 151 | 6705 | Full | | | -10.22 | 8.15 | | -2.07 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 151 | 6705 | 484/65 | | | -10.33 | 8.15 | | -2.18 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 167 | 6785 | Full | | | -10.09 | 8.15 | | -1.95 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 167 | 6785 | 484/66 | | | -10.47 | 8.15 | | -2.32 | -1.00 | Pass |

| FCC Band VII straddle channel MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE20 | MCS0 | 2 | 185 | 6875 | Full | - | | -10.23 | 8.15 | | -2.08 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 185 | 6875 | 26/8 | | | -10.54 | 8.15 | | -2.39 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 185 | 6875 | 52/40 | | | -10.48 | 8.15 | | -2.33 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 185 | 6875 | 106/54 | | | -10.67 | 8.15 | | -2.52 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 187 | 6885 | Full | | | -10.39 | 8.15 | | -2.24 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 187 | 6885 | 242/62 | | | -10.51 | 8.15 | | -2.36 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 183 | 6865 | Full | | | -10.27 | 8.15 | | -2.12 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 183 | 6865 | 484/66 | | | -10.46 | 8.15 | | -2.31 | -1.00 | Pass |

***TEST RESULTS DATA***
***26dB EBW and 99% OBW***

| U-NII-8 MIMO | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | 99% Bandwidth (MHz) | | 26 dB Bandwidth (MHz) | | Note |
| | | | | | | Ant 0 | Ant 1 | Ant 0 | Ant 1 | |
| HE20 | MCS0 | 2 | 189 | 6895 | Full | 19.13 | 19.08 | 23.20 | 22.35 | |
| HE20 | MCS0 | 2 | 209 | 6995 | Full | 19.03 | 19.03 | 27.89 | 23.80 | |
| HE20 | MCS0 | 2 | 229 | 7095 | Full | 19.08 | 19.03 | 23.90 | 23.60 | |
| HE20 | MCS0 | 2 | 233 | 7115 | Full | 19.08 | 19.08 | 25.80 | 24.20 | |
| HE40 | MCS0 | 2 | 195 | 6925 | Full | 37.66 | 37.66 | 39.42 | 39.42 | |
| HE40 | MCS0 | 2 | 211 | 7005 | Full | 37.56 | 37.56 | 39.42 | 39.42 | |
| HE40 | MCS0 | 2 | 227 | 7085 | Full | 37.36 | 37.56 | 39.51 | 39.51 | |
| HE80 | MCS0 | 2 | 199 | 6945 | Full | 76.48 | 76.84 | 80.64 | 80.32 | |
| HE80 | MCS0 | 2 | 215 | 7025 | Full | 76.36 | 76.72 | 80.48 | 80.48 | |

## *TEST RESULTS DATA*
## *EIRP Power Table*

| U-NII-8 MIMO | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power (dBm) | | | DG (dBi) | | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE20 | MCS0 | 2 | 189 | 6895 | Full | -2.60 | -3.00 | 0.21 | 5.28 | | 5.49 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 189 | 6895 | 26/0 | -12.60 | -12.50 | -9.54 | 5.28 | | -4.26 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 189 | 6895 | 52/37 | -9.20 | -9.20 | -6.19 | 5.28 | | -0.91 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 189 | 6895 | 106/53 | -6.00 | -6.20 | -3.09 | 5.28 | | 2.19 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 209 | 6995 | Full | -2.80 | -3.00 | 0.11 | 5.28 | | 5.39 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 209 | 6995 | 26/4 | -12.10 | -11.70 | -8.89 | 5.28 | | -3.61 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 209 | 6995 | 52/38 | -9.00 | -9.00 | -5.99 | 5.28 | | -0.71 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 209 | 6995 | 106/53 | -6.10 | -5.80 | -2.94 | 5.28 | | 2.34 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 229 | 7095 | Full | -2.60 | -2.60 | 0.41 | 5.28 | | 5.69 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 229 | 7095 | 26/8 | -12.70 | -12.10 | -9.38 | 5.28 | | -4.10 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 229 | 7095 | 52/40 | -9.30 | -8.70 | -5.98 | 5.28 | | -0.70 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 229 | 7095 | 106/54 | -6.20 | -5.40 | -2.77 | 5.28 | | 2.51 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 233 | 7115 | Full | -2.50 | -2.70 | 0.41 | 5.28 | | 5.69 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 233 | 7115 | 26/8 | -11.90 | -13.20 | -9.49 | 5.28 | | -4.21 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 233 | 7115 | 52/40 | -8.50 | -9.30 | -5.87 | 5.28 | | -0.59 | 24.00 | Pass |
| HE20 | MCS0 | 2 | 233 | 7115 | 106/54 | -5.30 | -6.20 | -2.72 | 5.28 | | 2.56 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 195 | 6925 | Full | -1.00 | -0.80 | 2.11 | 5.28 | | 7.39 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 195 | 6925 | 242/61 | -2.70 | -2.70 | 0.31 | 5.28 | | 5.59 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 211 | 7005 | Full | -0.90 | -0.40 | 2.37 | 5.28 | | 7.65 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 211 | 7005 | 242/62 | -2.80 | -2.40 | 0.41 | 5.28 | | 5.69 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 227 | 7085 | Full | -1.10 | -0.40 | 2.27 | 5.28 | | 7.55 | 24.00 | Pass |
| HE40 | MCS0 | 2 | 227 | 7085 | 242/62 | -2.00 | -1.40 | 1.32 | 5.28 | | 6.60 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 199 | 6945 | Full | 1.70 | 2.00 | 4.86 | 5.28 | | 10.14 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 199 | 6945 | 484/65 | -0.10 | 0.50 | 3.22 | 5.28 | | 8.50 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 215 | 7025 | Full | 2.00 | 2.00 | 5.01 | 5.28 | | 10.29 | 24.00 | Pass |
| HE80 | MCS0 | 2 | 215 | 7025 | 484/66 | 0.30 | 0.50 | 3.41 | 5.28 | | 8.69 | 24.00 | Pass |

## *TEST RESULTS DATA*
## *EIRP Power Spectral Density*

| FCC U-NII-8 MIMO | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | RU Config. | Conducted Power Density (dBm/MHz) | | | DG (dBi) | | EIRP Power Density (dBm/MHz) | EIRP Power Density Limit (dBm) | Pass /Fail |
| | | | | | | Ant 0 | Ant 1 | SUM | Ant 0 | Ant 1 | SUM | | |
| HE20 | MCS0 | 2 | 189 | 6895 | Full | | | -10.20 | 7.69 | | -2.51 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 189 | 6895 | 26/0 | | | -10.69 | 7.69 | | -2.99 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 189 | 6895 | 52/37 | | | -10.66 | 7.69 | | -2.97 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 189 | 6895 | 106/53 | | | -10.51 | 7.69 | | -2.82 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 209 | 6995 | Full | | | -10.40 | 7.69 | | -2.70 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 209 | 6995 | 26/4 | | | -10.47 | 7.69 | | -2.77 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 209 | 6995 | 52/38 | | | -10.49 | 7.69 | | -2.80 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 209 | 6995 | 106/53 | | | -10.67 | 7.69 | | -2.98 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 229 | 7095 | Full | | | -10.36 | 7.69 | | -2.67 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 229 | 7095 | 26/8 | | | -10.80 | 7.69 | | -3.11 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 229 | 7095 | 52/40 | | | -10.78 | 7.69 | | -3.09 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 229 | 7095 | 106/54 | | | -10.63 | 7.69 | | -2.93 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 233 | 7115 | Full | | | -10.42 | 7.69 | | -2.73 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 233 | 7115 | 26/8 | | - | -10.65 | 7.69 | | -2.96 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 233 | 7115 | 52/40 | | | -10.75 | 7.69 | | -3.06 | -1.00 | Pass |
| HE20 | MCS0 | 2 | 233 | 7115 | 106/54 | | | -10.84 | 7.69 | | -3.15 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 195 | 6925 | Full | | | -10.45 | 7.69 | | -2.76 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 195 | 6925 | 242/61 | | | -10.89 | 7.69 | | -3.20 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 211 | 7005 | Full | | | -10.30 | 7.69 | | -2.60 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 211 | 7005 | 242/62 | | | -10.68 | 7.69 | | -2.99 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 227 | 7085 | Full | | | -10.34 | 7.69 | | -2.65 | -1.00 | Pass |
| HE40 | MCS0 | 2 | 227 | 7085 | 242/62 | | | -10.71 | 7.69 | | -3.02 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 199 | 6945 | Full | | | -10.50 | 7.69 | | -2.81 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 199 | 6945 | 484/65 | | | -10.94 | 7.69 | | -3.25 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 215 | 7025 | Full | | | -10.35 | 7.69 | | -2.66 | -1.00 | Pass |
| HE80 | MCS0 | 2 | 215 | 7025 | 484/66 | | | -10.46 | 7.69 | | -2.76 | -1.00 | Pass |

# Appendix B. AC Conducted Emission Test Results

| | | | |
|---|---|---|---|
| **Test Engineer :** | Calvin Wang | **Temperature :** | 23~26℃ |
| | | **Relative Humidity :** | 45~55% |