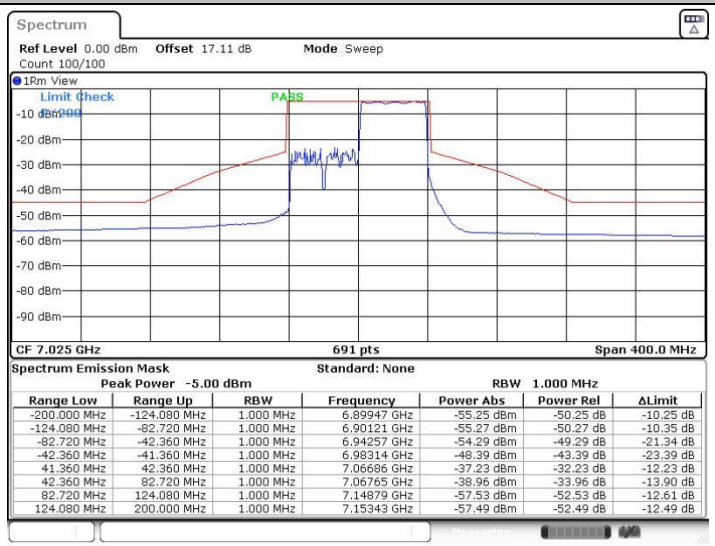
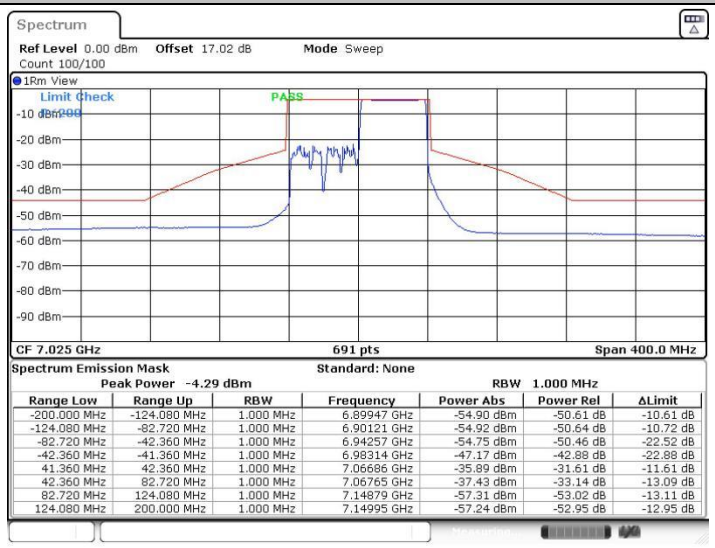
11AX80MIMO_Ant1_7025_484Tone_RU66



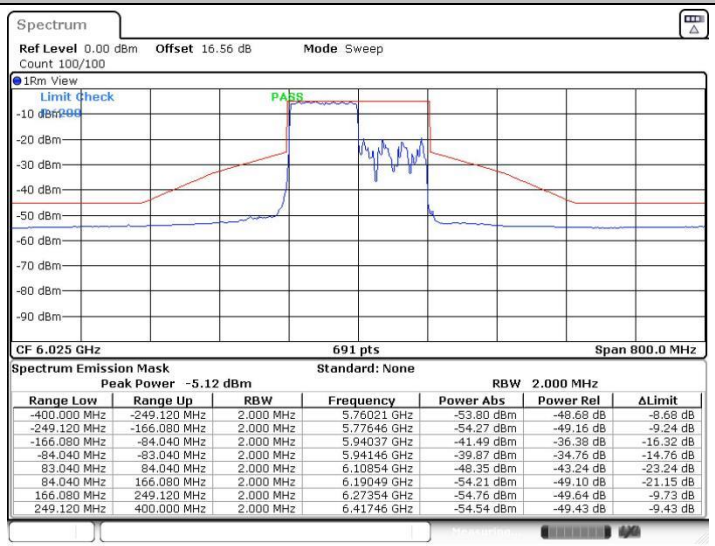

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -200.000 MHz | -124.080 MHz | 1.000 MHz | 6.89947 GHz | -55.25 dBm | -50.25 dB | -10.25 dB |
| -124.080 MHz | -82.720 MHz | 1.000 MHz | 6.90121 GHz | -55.27 dBm | -50.27 dB | -10.35 dB |
| -82.720 MHz | -42.360 MHz | 1.000 MHz | 6.94257 GHz | -54.29 dBm | -49.29 dB | -21.34 dB |
| -42.360 MHz | -41.360 MHz | 1.000 MHz | 6.98314 GHz | -48.39 dBm | -43.39 dB | -23.39 dB |
| 41.360 MHz | 42.360 MHz | 1.000 MHz | 7.06686 GHz | -37.23 dBm | -32.23 dB | -12.23 dB |
| 42.360 MHz | 82.720 MHz | 1.000 MHz | 7.06765 GHz | -38.96 dBm | -33.96 dB | -13.90 dB |
| 82.720 MHz | 124.080 MHz | 1.000 MHz | 7.14879 GHz | -57.53 dBm | -52.53 dB | -12.61 dB |
| 124.080 MHz | 200.000 MHz | 1.000 MHz | 7.15343 GHz | -57.49 dBm | -52.49 dB | -12.49 dB |

11AX80MIMO_Ant2_7025_484Tone_RU66



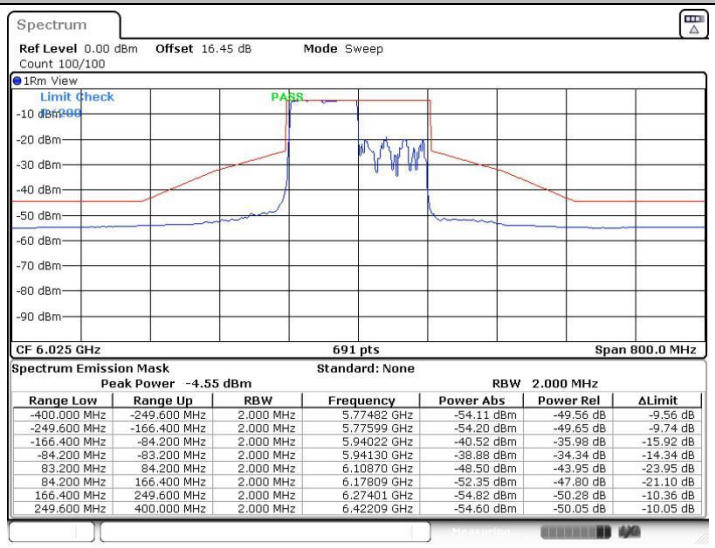

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -200.000 MHz | -124.080 MHz | 1.000 MHz | 6.89947 GHz | -54.90 dBm | -50.61 dB | -10.61 dB |
| -124.080 MHz | -82.720 MHz | 1.000 MHz | 6.90121 GHz | -54.92 dBm | -50.64 dB | -10.72 dB |
| -82.720 MHz | -42.360 MHz | 1.000 MHz | 6.94257 GHz | -54.75 dBm | -50.46 dB | -22.52 dB |
| -42.360 MHz | -41.360 MHz | 1.000 MHz | 6.98314 GHz | -47.17 dBm | -42.88 dB | -22.88 dB |
| 41.360 MHz | 42.360 MHz | 1.000 MHz | 7.06686 GHz | -35.89 dBm | -31.61 dB | -11.61 dB |
| 42.360 MHz | 82.720 MHz | 1.000 MHz | 7.06765 GHz | -37.43 dBm | -33.14 dB | -13.09 dB |
| 82.720 MHz | 124.080 MHz | 1.000 MHz | 7.14879 GHz | -57.31 dBm | -53.02 dB | -13.11 dB |
| 124.080 MHz | 200.000 MHz | 1.000 MHz | 7.14995 GHz | -57.24 dBm | -52.95 dB | -12.95 dB |

## 11AX160MIMO_Ant1_6025_996Tone_Left-RU67



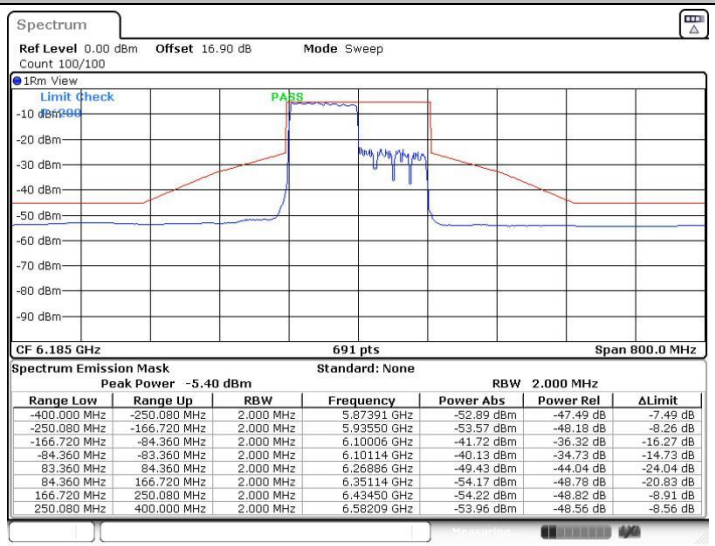

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -249.120 MHz | 2.000 MHz | 5.76021 GHz | -53.80 dBm | -48.68 dB | -8.68 dB |
| -249.120 MHz | -166.080 MHz | 2.000 MHz | 5.77646 GHz | -54.27 dBm | -49.16 dB | -9.24 dB |
| -166.080 MHz | -84.040 MHz | 2.000 MHz | 5.94037 GHz | -41.49 dBm | -36.38 dB | -16.32 dB |
| -84.040 MHz | -83.040 MHz | 2.000 MHz | 5.94146 GHz | -39.87 dBm | -34.76 dB | -14.76 dB |
| 83.040 MHz | 84.040 MHz | 2.000 MHz | 6.10854 GHz | -48.35 dBm | -43.24 dB | -23.24 dB |
| 84.040 MHz | 166.080 MHz | 2.000 MHz | 6.19049 GHz | -54.21 dBm | -49.10 dB | -21.15 dB |
| 166.080 MHz | 249.120 MHz | 2.000 MHz | 6.27354 GHz | -54.76 dBm | -49.64 dB | -9.73 dB |
| 249.120 MHz | 400.000 MHz | 2.000 MHz | 6.41746 GHz | -54.54 dBm | -49.43 dB | -9.43 dB |

## 11AX160MIMO_Ant2_6025_996Tone_Left-RU67




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -249.600 MHz | 2.000 MHz | 5.77482 GHz | -54.11 dBm | -49.56 dB | -9.56 dB |
| -249.600 MHz | -166.400 MHz | 2.000 MHz | 5.77599 GHz | -54.20 dBm | -49.65 dB | -9.74 dB |
| -166.400 MHz | -84.200 MHz | 2.000 MHz | 5.94022 GHz | -40.52 dBm | -35.98 dB | -15.92 dB |
| -84.200 MHz | -83.200 MHz | 2.000 MHz | 5.94130 GHz | -38.88 dBm | -34.34 dB | -14.34 dB |
| 83.200 MHz | 84.200 MHz | 2.000 MHz | 6.10870 GHz | -48.50 dBm | -43.95 dB | -23.95 dB |
| 84.200 MHz | 166.400 MHz | 2.000 MHz | 6.17809 GHz | -52.35 dBm | -47.80 dB | -21.10 dB |
| 166.400 MHz | 249.600 MHz | 2.000 MHz | 6.27401 GHz | -54.82 dBm | -50.28 dB | -10.36 dB |
| 249.600 MHz | 400.000 MHz | 2.000 MHz | 6.42209 GHz | -54.60 dBm | -50.05 dB | -10.05 dB |

## 11AX160MIMO_Ant1_6185_996Tone_Left-RU67



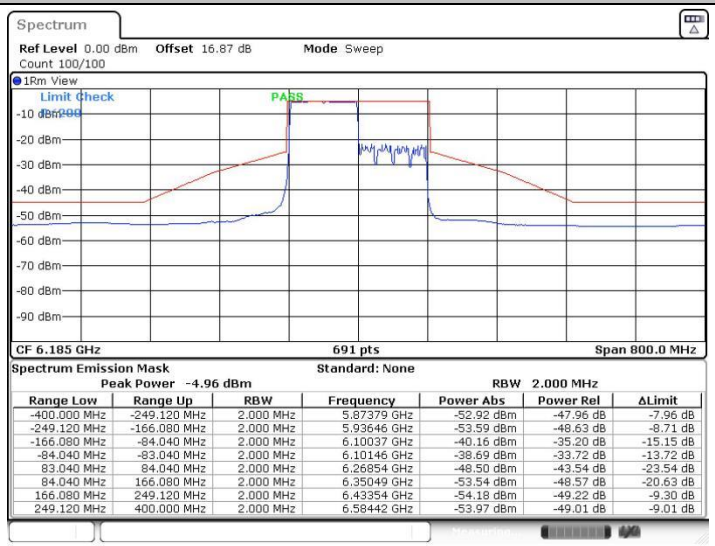

Spectrum Emission Mask Standard: None

Peak Power -5.40 dBm RBW 2.000 MHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -250.080 MHz | 2.000 MHz | 5.87391 GHz | -52.89 dBm | -47.49 dB | -7.49 dB |
| -250.080 MHz | -166.720 MHz | 2.000 MHz | 5.93550 GHz | -53.57 dBm | -48.18 dB | -8.26 dB |
| -166.720 MHz | -84.360 MHz | 2.000 MHz | 6.10006 GHz | -41.72 dBm | -36.32 dB | -16.27 dB |
| -84.360 MHz | -83.360 MHz | 2.000 MHz | 6.10114 GHz | -40.13 dBm | -34.73 dB | -14.73 dB |
| 83.360 MHz | 84.360 MHz | 2.000 MHz | 6.26886 GHz | -49.43 dBm | -44.04 dB | -24.04 dB |
| 84.360 MHz | 166.720 MHz | 2.000 MHz | 6.35114 GHz | -54.17 dBm | -48.78 dB | -20.83 dB |
| 166.720 MHz | 250.080 MHz | 2.000 MHz | 6.43450 GHz | -54.22 dBm | -48.82 dB | -8.91 dB |
| 250.080 MHz | 400.000 MHz | 2.000 MHz | 6.58209 GHz | -53.96 dBm | -48.56 dB | -8.56 dB |

Date: 21.JUN.2022 13:26:57

## 11AX160MIMO_Ant2_6185_996Tone_Left-RU67




Spectrum Emission Mask Standard: None

Peak Power -4.96 dBm RBW 2.000 MHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -249.120 MHz | 2.000 MHz | 5.87379 GHz | -52.92 dBm | -47.96 dB | -7.96 dB |
| -249.120 MHz | -166.080 MHz | 2.000 MHz | 5.93646 GHz | -53.59 dBm | -48.63 dB | -8.71 dB |
| -166.080 MHz | -84.040 MHz | 2.000 MHz | 6.10037 GHz | -40.16 dBm | -35.20 dB | -15.15 dB |
| -84.040 MHz | -83.040 MHz | 2.000 MHz | 6.10146 GHz | -38.69 dBm | -33.72 dB | -13.72 dB |
| 83.040 MHz | 84.040 MHz | 2.000 MHz | 6.26854 GHz | -48.50 dBm | -43.54 dB | -23.54 dB |
| 84.040 MHz | 166.080 MHz | 2.000 MHz | 6.35049 GHz | -53.54 dBm | -48.57 dB | -20.63 dB |
| 166.080 MHz | 249.120 MHz | 2.000 MHz | 6.43354 GHz | -54.18 dBm | -49.22 dB | -9.30 dB |
| 249.120 MHz | 400.000 MHz | 2.000 MHz | 6.58442 GHz | -53.97 dBm | -49.01 dB | -9.01 dB |

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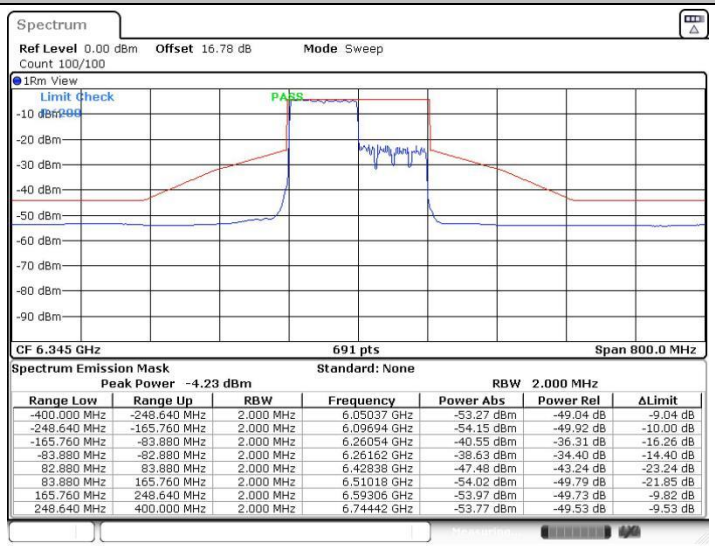
11AX160MIMO_Ant1_6345_996Tone_Left-RU67




Spectrum Emission Mask Standard: None

Peak Power -4.23 dBm RBW 2.000 MHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -248.640 MHz | 2.000 MHz | 6.05037 GHz | -53.27 dBm | -49.04 dB | -9.04 dB |
| -248.640 MHz | -165.760 MHz | 2.000 MHz | 6.09694 GHz | -54.15 dBm | -49.92 dB | -10.00 dB |
| -165.760 MHz | -83.880 MHz | 2.000 MHz | 6.26054 GHz | -40.55 dBm | -36.31 dB | -16.26 dB |
| -83.880 MHz | -82.880 MHz | 2.000 MHz | 6.26162 GHz | -38.63 dBm | -34.40 dB | -14.40 dB |
| 82.880 MHz | 83.880 MHz | 2.000 MHz | 6.42838 GHz | -47.48 dBm | -43.24 dB | -23.24 dB |
| 83.880 MHz | 165.760 MHz | 2.000 MHz | 6.51018 GHz | -54.02 dBm | -49.79 dB | -21.85 dB |
| 165.760 MHz | 248.640 MHz | 2.000 MHz | 6.59306 GHz | -53.97 dBm | -49.73 dB | -9.82 dB |
| 248.640 MHz | 400.000 MHz | 2.000 MHz | 6.74442 GHz | -53.77 dBm | -49.53 dB | -9.53 dB |

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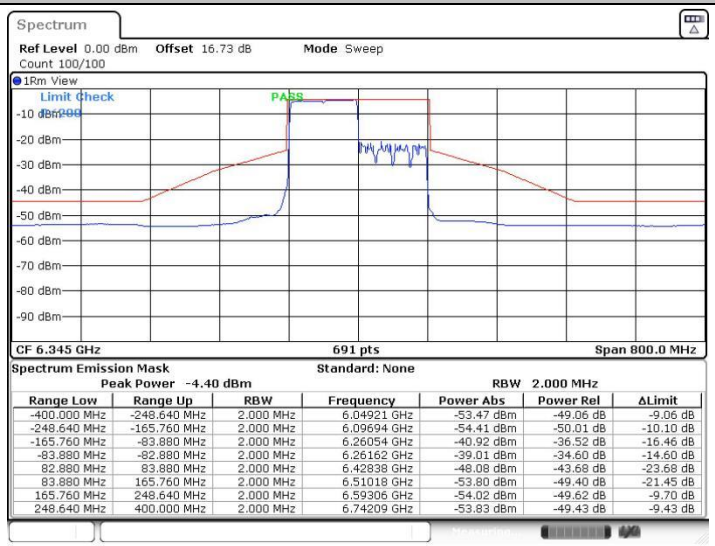
11AX160MIMO_Ant2_6345_996Tone_Left-RU67



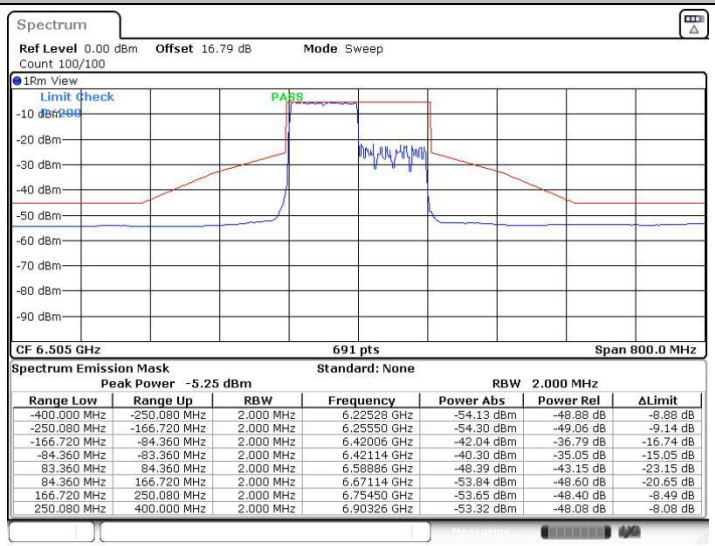

Spectrum Emission Mask Standard: None

Peak Power -4.40 dBm RBW 2.000 MHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -248.640 MHz | 2.000 MHz | 6.04921 GHz | -53.47 dBm | -49.06 dB | -9.06 dB |
| -248.640 MHz | -165.760 MHz | 2.000 MHz | 6.09694 GHz | -54.41 dBm | -50.01 dB | -10.10 dB |
| -165.760 MHz | -83.880 MHz | 2.000 MHz | 6.26054 GHz | -40.92 dBm | -36.52 dB | -16.46 dB |
| -83.880 MHz | -82.880 MHz | 2.000 MHz | 6.26162 GHz | -39.01 dBm | -34.60 dB | -14.60 dB |
| 82.880 MHz | 83.880 MHz | 2.000 MHz | 6.42838 GHz | -48.08 dBm | -43.68 dB | -23.68 dB |
| 83.880 MHz | 165.760 MHz | 2.000 MHz | 6.51018 GHz | -53.80 dBm | -49.40 dB | -21.45 dB |
| 165.760 MHz | 248.640 MHz | 2.000 MHz | 6.59306 GHz | -54.02 dBm | -49.62 dB | -9.70 dB |
| 248.640 MHz | 400.000 MHz | 2.000 MHz | 6.74209 GHz | -53.83 dBm | -49.43 dB | -9.43 dB |

Date: 21.JUN.2022 13:34:07

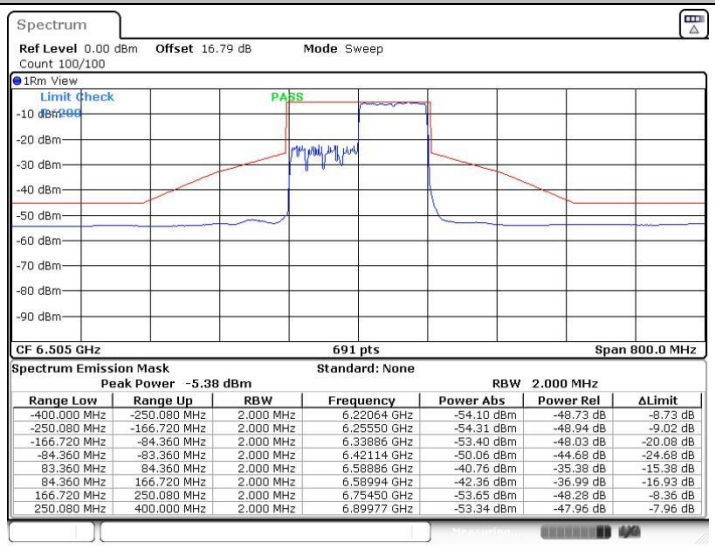
## 11AX160MIMO_Ant1_6505_996Tone_Left-RU67




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -250.080 MHz | 2.000 MHz | 6.22528 GHz | -54.13 dBm | -48.88 dB | -8.88 dB |
| -250.080 MHz | -166.720 MHz | 2.000 MHz | 6.25550 GHz | -54.30 dBm | -49.06 dB | -9.14 dB |
| -166.720 MHz | -84.360 MHz | 2.000 MHz | 6.42006 GHz | -42.04 dBm | -36.79 dB | -16.74 dB |
| -84.360 MHz | -83.360 MHz | 2.000 MHz | 6.42114 GHz | -40.30 dBm | -35.05 dB | -15.05 dB |
| 83.360 MHz | 84.360 MHz | 2.000 MHz | 6.58886 GHz | -48.39 dBm | -43.15 dB | -23.15 dB |
| 84.360 MHz | 166.720 MHz | 2.000 MHz | 6.67114 GHz | -53.84 dBm | -48.60 dB | -20.65 dB |
| 166.720 MHz | 250.080 MHz | 2.000 MHz | 6.75450 GHz | -53.65 dBm | -48.40 dB | -8.49 dB |
| 250.080 MHz | 400.000 MHz | 2.000 MHz | 6.90326 GHz | -53.32 dBm | -48.08 dB | -8.08 dB |

Date: 21.JUN.2022 13:35:12

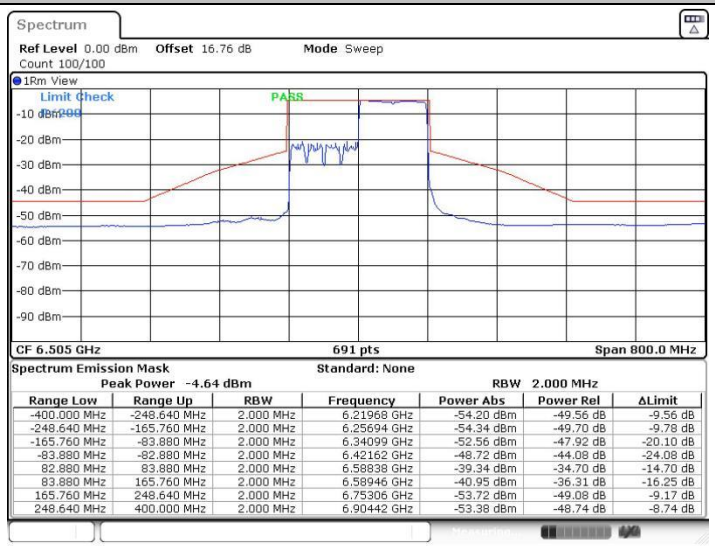
## 11AX160MIMO_Ant1_6505_996Tone_Right-RU67




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -250.080 MHz | 2.000 MHz | 6.22064 GHz | -54.10 dBm | -48.73 dB | -8.73 dB |
| -250.080 MHz | -166.720 MHz | 2.000 MHz | 6.25550 GHz | -54.31 dBm | -48.94 dB | -9.02 dB |
| -166.720 MHz | -84.360 MHz | 2.000 MHz | 6.33886 GHz | -53.40 dBm | -48.03 dB | -20.08 dB |
| -84.360 MHz | -83.360 MHz | 2.000 MHz | 6.42114 GHz | -50.06 dBm | -44.68 dB | -24.68 dB |
| 83.360 MHz | 84.360 MHz | 2.000 MHz | 6.58886 GHz | -40.76 dBm | -35.38 dB | -15.38 dB |
| 84.360 MHz | 166.720 MHz | 2.000 MHz | 6.58994 GHz | -42.36 dBm | -36.99 dB | -16.93 dB |
| 166.720 MHz | 250.080 MHz | 2.000 MHz | 6.75450 GHz | -53.65 dBm | -48.28 dB | -8.36 dB |
| 250.080 MHz | 400.000 MHz | 2.000 MHz | 6.89977 GHz | -53.34 dBm | -47.96 dB | -7.96 dB |

Date: 21.JUN.2022 13:36:23

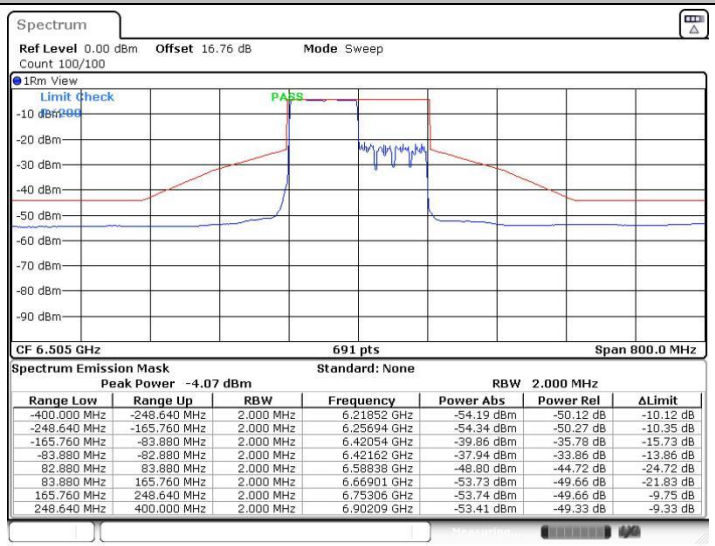
## 11AX160MIMO_Ant2_6505_996Tone_Right-RU67




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -248.640 MHz | 2.000 MHz | 6.21968 GHz | -54.20 dBm | -49.56 dB | -9.56 dB |
| -248.640 MHz | -165.760 MHz | 2.000 MHz | 6.25694 GHz | -54.34 dBm | -49.70 dB | -9.78 dB |
| -165.760 MHz | -83.880 MHz | 2.000 MHz | 6.34099 GHz | -52.56 dBm | -47.92 dB | -20.10 dB |
| -83.880 MHz | -82.880 MHz | 2.000 MHz | 6.42162 GHz | -48.72 dBm | -44.08 dB | -24.08 dB |
| 82.880 MHz | 83.880 MHz | 2.000 MHz | 6.58838 GHz | -39.34 dBm | -34.70 dB | -14.70 dB |
| 83.880 MHz | 165.760 MHz | 2.000 MHz | 6.58946 GHz | -40.95 dBm | -36.31 dB | -16.25 dB |
| 165.760 MHz | 248.640 MHz | 2.000 MHz | 6.75306 GHz | -53.72 dBm | -49.08 dB | -9.17 dB |
| 248.640 MHz | 400.000 MHz | 2.000 MHz | 6.90442 GHz | -53.38 dBm | -48.74 dB | -8.74 dB |

Date: 21.JUN.2022 13:36:55

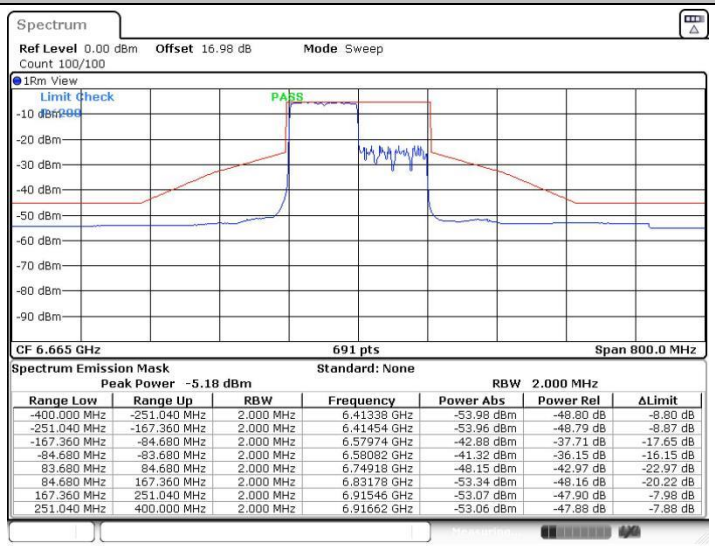
## 11AX160MIMO_Ant2_6505_996Tone_Left-RU67




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -248.640 MHz | 2.000 MHz | 6.21852 GHz | -54.19 dBm | -50.12 dB | -10.12 dB |
| -248.640 MHz | -165.760 MHz | 2.000 MHz | 6.25694 GHz | -54.34 dBm | -50.27 dB | -10.35 dB |
| -165.760 MHz | -83.880 MHz | 2.000 MHz | 6.42054 GHz | -39.86 dBm | -35.78 dB | -15.73 dB |
| -83.880 MHz | -82.880 MHz | 2.000 MHz | 6.42162 GHz | -37.94 dBm | -33.86 dB | -13.86 dB |
| 82.880 MHz | 83.880 MHz | 2.000 MHz | 6.58838 GHz | -48.80 dBm | -44.72 dB | -24.72 dB |
| 83.880 MHz | 165.760 MHz | 2.000 MHz | 6.66901 GHz | -53.73 dBm | -49.66 dB | -21.83 dB |
| 165.760 MHz | 248.640 MHz | 2.000 MHz | 6.75306 GHz | -53.74 dBm | -49.66 dB | -9.75 dB |
| 248.640 MHz | 400.000 MHz | 2.000 MHz | 6.90209 GHz | -53.41 dBm | -49.33 dB | -9.33 dB |

Date: 21.JUN.2022 13:35:40

11AX160MIMO_Ant1_6665_996Tone_Right-RU67



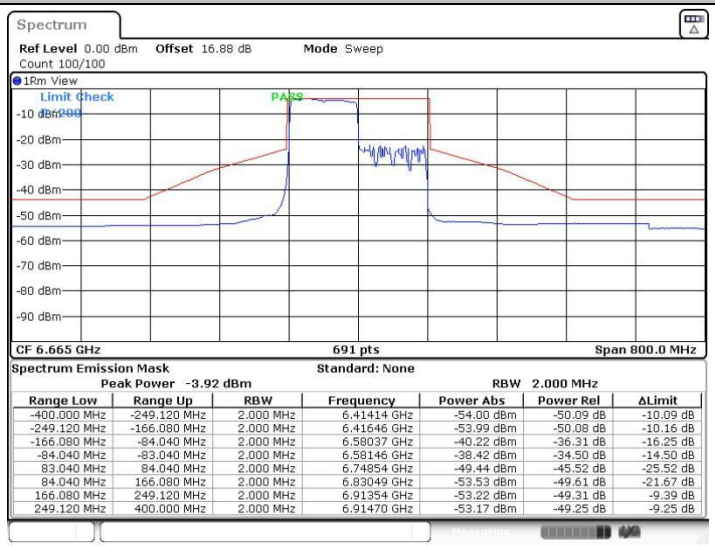

Spectrum Emission Mask Standard: None

Peak Power -5.18 dBm RBW 2.000 MHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -251.040 MHz | 2.000 MHz | 6.41338 GHz | -53.98 dBm | -48.80 dB | -8.80 dB |
| -251.040 MHz | -167.360 MHz | 2.000 MHz | 6.41454 GHz | -53.96 dBm | -48.79 dB | -8.87 dB |
| -167.360 MHz | -84.680 MHz | 2.000 MHz | 6.57974 GHz | -42.88 dBm | -37.71 dB | -17.65 dB |
| -84.680 MHz | -83.680 MHz | 2.000 MHz | 6.58082 GHz | -41.32 dBm | -36.15 dB | -16.15 dB |
| 83.680 MHz | 84.680 MHz | 2.000 MHz | 6.74918 GHz | -48.15 dBm | -42.97 dB | -22.97 dB |
| 84.680 MHz | 167.360 MHz | 2.000 MHz | 6.83178 GHz | -53.34 dBm | -48.16 dB | -20.22 dB |
| 167.360 MHz | 251.040 MHz | 2.000 MHz | 6.91546 GHz | -53.07 dBm | -47.90 dB | -7.98 dB |
| 251.040 MHz | 400.000 MHz | 2.000 MHz | 6.91662 GHz | -53.06 dBm | -47.88 dB | -7.88 dB |

Date: 21.JUN.2022 13:38:17

11AX160MIMO_Ant2_6665_996Tone_Right-RU67



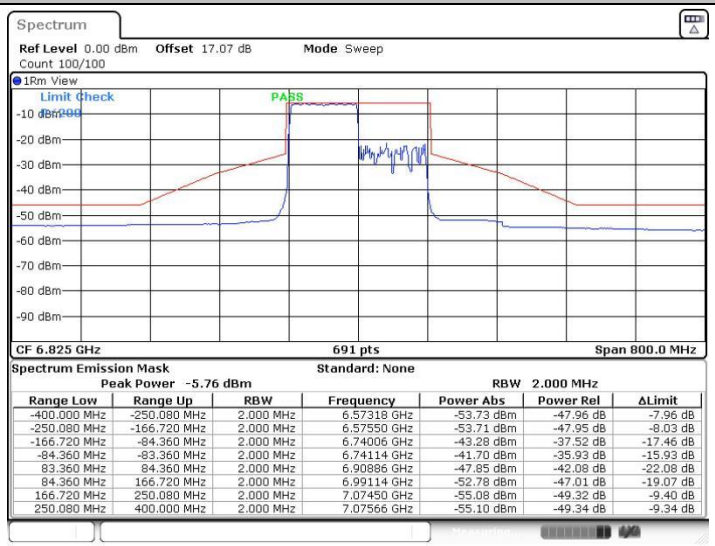

Spectrum Emission Mask Standard: None

Peak Power -3.92 dBm RBW 2.000 MHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -249.120 MHz | 2.000 MHz | 6.41414 GHz | -54.00 dBm | -50.09 dB | -10.09 dB |
| -249.120 MHz | -166.080 MHz | 2.000 MHz | 6.41646 GHz | -53.99 dBm | -50.08 dB | -10.16 dB |
| -166.080 MHz | -84.040 MHz | 2.000 MHz | 6.58037 GHz | -40.22 dBm | -36.31 dB | -16.25 dB |
| -84.040 MHz | -83.040 MHz | 2.000 MHz | 6.58146 GHz | -38.42 dBm | -34.50 dB | -14.50 dB |
| 83.040 MHz | 84.040 MHz | 2.000 MHz | 6.74854 GHz | -49.44 dBm | -45.52 dB | -25.52 dB |
| 84.040 MHz | 166.080 MHz | 2.000 MHz | 6.83049 GHz | -53.53 dBm | -49.61 dB | -21.67 dB |
| 166.080 MHz | 249.120 MHz | 2.000 MHz | 6.91354 GHz | -53.22 dBm | -49.31 dB | -9.39 dB |
| 249.120 MHz | 400.000 MHz | 2.000 MHz | 6.91470 GHz | -53.17 dBm | -49.25 dB | -9.25 dB |

Date: 21.JUN.2022 13:38:45

11AX160MIMO_Ant1_6825_996Tone_Left-RU67



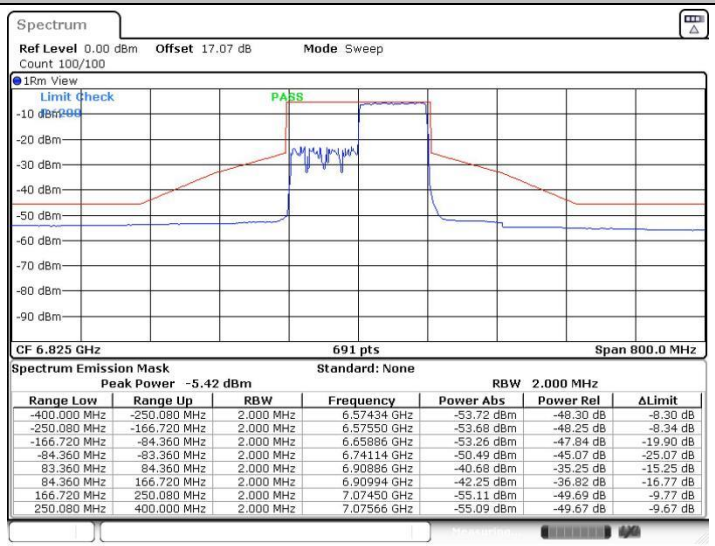

Spectrum Emission Mask Standard: None

Peak Power -5.76 dBm RBW 2.000 MHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -250.080 MHz | 2.000 MHz | 6.57318 GHz | -53.73 dBm | -47.96 dB | -7.96 dB |
| -250.080 MHz | -166.720 MHz | 2.000 MHz | 6.57550 GHz | -53.71 dBm | -47.95 dB | -8.03 dB |
| -166.720 MHz | -84.360 MHz | 2.000 MHz | 6.74006 GHz | -43.28 dBm | -37.52 dB | -17.46 dB |
| -84.360 MHz | -83.360 MHz | 2.000 MHz | 6.74114 GHz | -41.70 dBm | -35.93 dB | -15.93 dB |
| 83.360 MHz | 84.360 MHz | 2.000 MHz | 6.90886 GHz | -47.85 dBm | -42.08 dB | -22.08 dB |
| 84.360 MHz | 166.720 MHz | 2.000 MHz | 6.99114 GHz | -52.78 dBm | -47.01 dB | -19.07 dB |
| 166.720 MHz | 250.080 MHz | 2.000 MHz | 7.07450 GHz | -55.08 dBm | -49.32 dB | -9.40 dB |
| 250.080 MHz | 400.000 MHz | 2.000 MHz | 7.07566 GHz | -55.10 dBm | -49.34 dB | -9.34 dB |

Date: 21.JUN.2022 13:40:08

11AX160MIMO_Ant1_6825_996Tone_Right-RU67



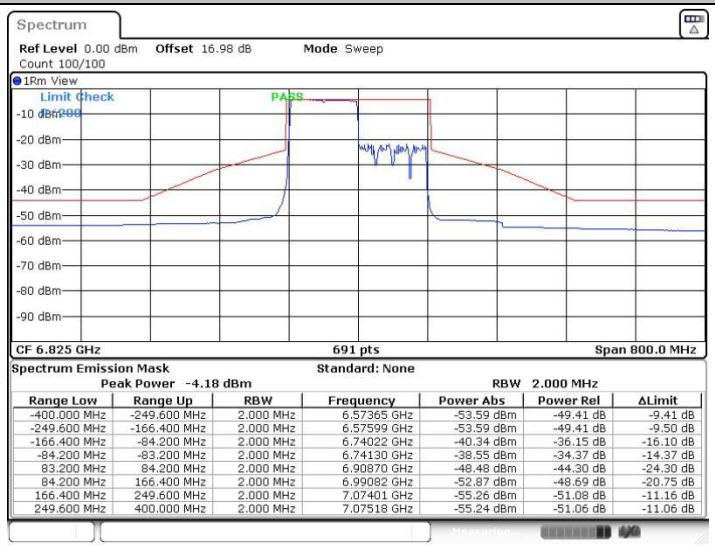

Spectrum Emission Mask Standard: None

Peak Power -5.42 dBm RBW 2.000 MHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -250.080 MHz | 2.000 MHz | 6.57434 GHz | -53.72 dBm | -48.30 dB | -8.30 dB |
| -250.080 MHz | -166.720 MHz | 2.000 MHz | 6.57550 GHz | -53.68 dBm | -48.25 dB | -8.34 dB |
| -166.720 MHz | -84.360 MHz | 2.000 MHz | 6.65886 GHz | -53.26 dBm | -47.84 dB | -19.90 dB |
| -84.360 MHz | -83.360 MHz | 2.000 MHz | 6.74114 GHz | -50.49 dBm | -45.07 dB | -25.07 dB |
| 83.360 MHz | 84.360 MHz | 2.000 MHz | 6.90886 GHz | -40.68 dBm | -35.25 dB | -15.25 dB |
| 84.360 MHz | 166.720 MHz | 2.000 MHz | 6.90994 GHz | -42.25 dBm | -36.82 dB | -16.77 dB |
| 166.720 MHz | 250.080 MHz | 2.000 MHz | 7.07450 GHz | -55.11 dBm | -49.69 dB | -9.77 dB |
| 250.080 MHz | 400.000 MHz | 2.000 MHz | 7.07566 GHz | -55.09 dBm | -49.67 dB | -9.67 dB |

Date: 21.JUN.2022 13:41:22

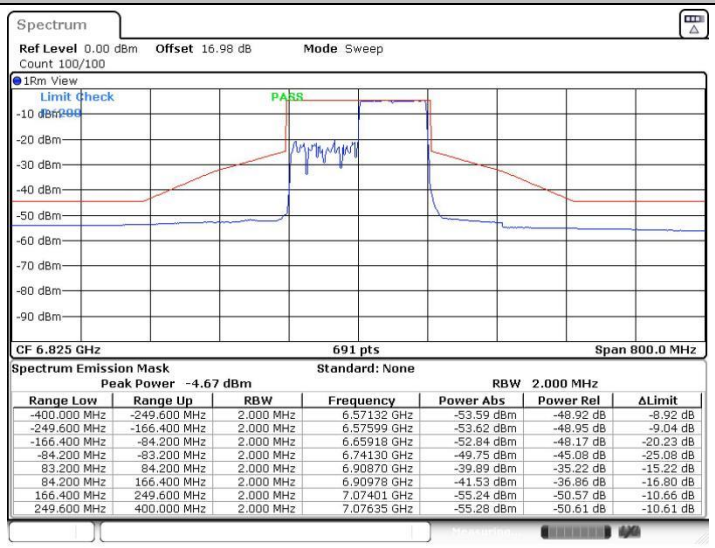
## 11AX160MIMO_Ant2_6825_996Tone_Left-RU67




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -249.600 MHz | 2.000 MHz | 6.57365 GHz | -53.59 dBm | -49.41 dB | -9.41 dB |
| -249.600 MHz | -166.400 MHz | 2.000 MHz | 6.57599 GHz | -53.59 dBm | -49.41 dB | -9.50 dB |
| -166.400 MHz | -84.200 MHz | 2.000 MHz | 6.74022 GHz | -40.34 dBm | -36.15 dB | -16.10 dB |
| -84.200 MHz | -83.200 MHz | 2.000 MHz | 6.74130 GHz | -38.55 dBm | -34.37 dB | -14.37 dB |
| 83.200 MHz | 84.200 MHz | 2.000 MHz | 6.90870 GHz | -48.48 dBm | -44.30 dB | -24.30 dB |
| 84.200 MHz | 166.400 MHz | 2.000 MHz | 6.99082 GHz | -52.87 dBm | -48.69 dB | -20.75 dB |
| 166.400 MHz | 249.600 MHz | 2.000 MHz | 7.07401 GHz | -55.26 dBm | -51.08 dB | -11.16 dB |
| 249.600 MHz | 400.000 MHz | 2.000 MHz | 7.07518 GHz | -55.24 dBm | -51.06 dB | -11.06 dB |

Date: 21.JUN.2022 13:40:37

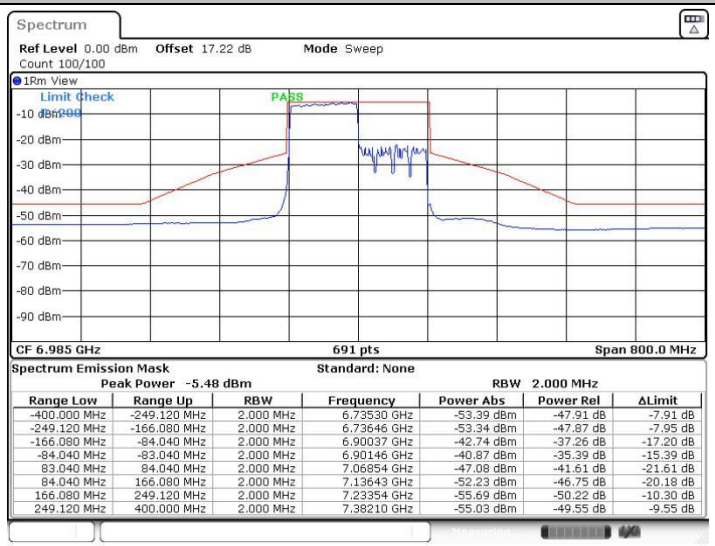
## 11AX160MIMO_Ant2_6825_996Tone_Right-RU67




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -249.600 MHz | 2.000 MHz | 6.57132 GHz | -53.59 dBm | -48.92 dB | -8.92 dB |
| -249.600 MHz | -166.400 MHz | 2.000 MHz | 6.57599 GHz | -53.62 dBm | -48.95 dB | -9.04 dB |
| -166.400 MHz | -84.200 MHz | 2.000 MHz | 6.65918 GHz | -52.84 dBm | -48.17 dB | -20.23 dB |
| -84.200 MHz | -83.200 MHz | 2.000 MHz | 6.74130 GHz | -49.75 dBm | -45.08 dB | -25.08 dB |
| 83.200 MHz | 84.200 MHz | 2.000 MHz | 6.90870 GHz | -39.89 dBm | -35.22 dB | -15.22 dB |
| 84.200 MHz | 166.400 MHz | 2.000 MHz | 6.90978 GHz | -41.53 dBm | -36.86 dB | -16.80 dB |
| 166.400 MHz | 249.600 MHz | 2.000 MHz | 7.07401 GHz | -55.24 dBm | -50.57 dB | -10.66 dB |
| 249.600 MHz | 400.000 MHz | 2.000 MHz | 7.07635 GHz | -55.28 dBm | -50.61 dB | -10.61 dB |

Date: 21.JUN.2022 13:41:53

11AX160MIMO_Ant1_6985_996Tone_Left-RU67



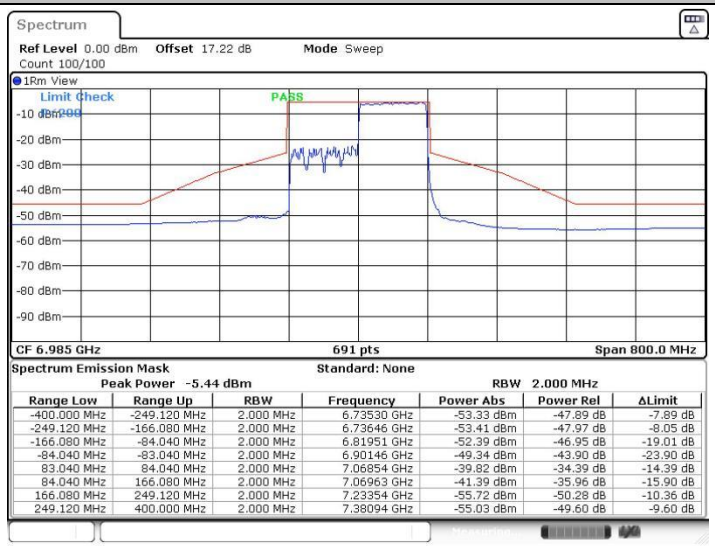

Spectrum Emission Mask Standard: None

Peak Power -5.48 dBm RBW 2.000 MHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -249.120 MHz | 2.000 MHz | 6.73530 GHz | -53.39 dBm | -47.91 dB | -7.91 dB |
| -249.120 MHz | -166.080 MHz | 2.000 MHz | 6.73646 GHz | -53.34 dBm | -47.87 dB | -7.95 dB |
| -166.080 MHz | -84.040 MHz | 2.000 MHz | 6.90037 GHz | -42.74 dBm | -37.26 dB | -17.20 dB |
| -84.040 MHz | -83.040 MHz | 2.000 MHz | 6.90146 GHz | -40.87 dBm | -35.39 dB | -15.39 dB |
| 83.040 MHz | 84.040 MHz | 2.000 MHz | 7.06854 GHz | -47.08 dBm | -41.61 dB | -21.61 dB |
| 84.040 MHz | 166.080 MHz | 2.000 MHz | 7.13643 GHz | -52.23 dBm | -46.75 dB | -20.18 dB |
| 166.080 MHz | 249.120 MHz | 2.000 MHz | 7.23354 GHz | -55.69 dBm | -50.22 dB | -10.30 dB |
| 249.120 MHz | 400.000 MHz | 2.000 MHz | 7.38210 GHz | -55.03 dBm | -49.55 dB | -9.55 dB |

Date: 21.JUN.2022 13:50:59

11AX160MIMO_Ant1_6985_996Tone_Right-RU67



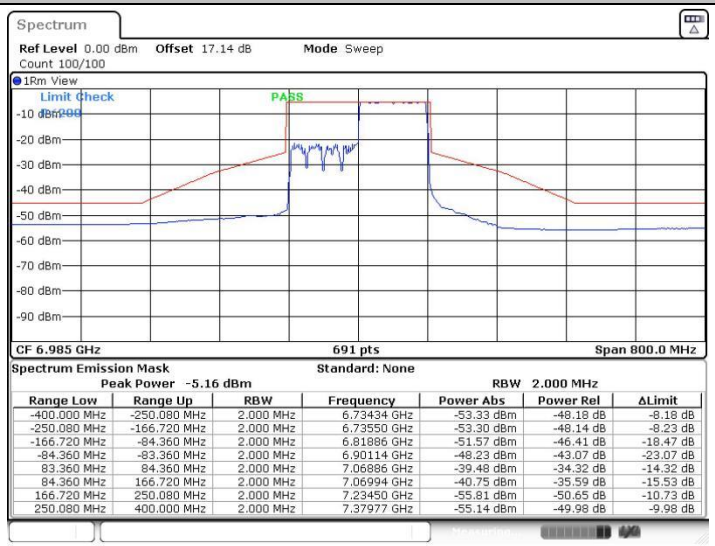

Spectrum Emission Mask Standard: None

Peak Power -5.44 dBm RBW 2.000 MHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -249.120 MHz | 2.000 MHz | 6.73530 GHz | -53.33 dBm | -47.89 dB | -7.89 dB |
| -249.120 MHz | -166.080 MHz | 2.000 MHz | 6.73646 GHz | -53.41 dBm | -47.97 dB | -8.05 dB |
| -166.080 MHz | -84.040 MHz | 2.000 MHz | 6.81951 GHz | -52.39 dBm | -46.95 dB | -19.01 dB |
| -84.040 MHz | -83.040 MHz | 2.000 MHz | 6.90146 GHz | -49.34 dBm | -43.90 dB | -23.90 dB |
| 83.040 MHz | 84.040 MHz | 2.000 MHz | 7.06854 GHz | -39.82 dBm | -34.39 dB | -14.39 dB |
| 84.040 MHz | 166.080 MHz | 2.000 MHz | 7.06963 GHz | -41.39 dBm | -35.96 dB | -15.90 dB |
| 166.080 MHz | 249.120 MHz | 2.000 MHz | 7.23354 GHz | -55.72 dBm | -50.28 dB | -10.36 dB |
| 249.120 MHz | 400.000 MHz | 2.000 MHz | 7.38094 GHz | -55.03 dBm | -49.60 dB | -9.60 dB |

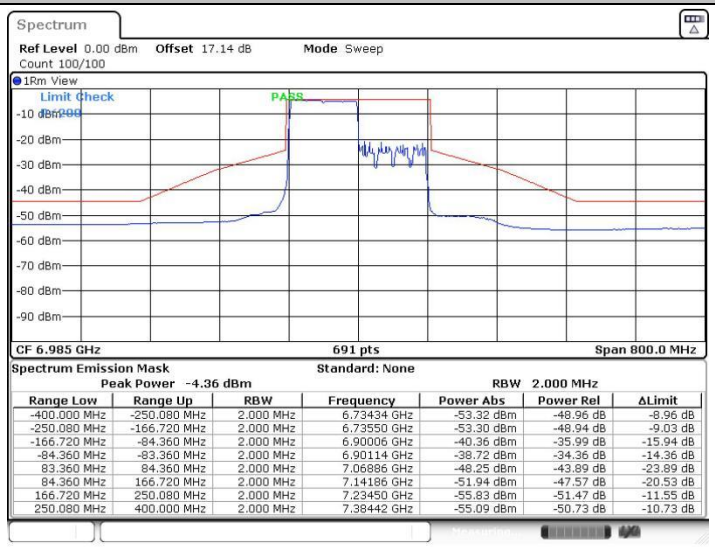
Date: 21.JUN.2022 13:52:05

11AX160MIMO_Ant2_6985_996Tone_Right-RU67




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -250.080 MHz | 2.000 MHz | 6.73434 GHz | -53.33 dBm | -48.18 dB | -8.18 dB |
| -250.080 MHz | -166.720 MHz | 2.000 MHz | 6.73550 GHz | -53.30 dBm | -48.14 dB | -8.23 dB |
| -166.720 MHz | -84.360 MHz | 2.000 MHz | 6.81886 GHz | -51.57 dBm | -46.41 dB | -18.47 dB |
| -84.360 MHz | -83.360 MHz | 2.000 MHz | 6.90114 GHz | -48.23 dBm | -43.07 dB | -23.07 dB |
| 83.360 MHz | 84.360 MHz | 2.000 MHz | 7.06886 GHz | -39.48 dBm | -34.32 dB | -14.32 dB |
| 84.360 MHz | 166.720 MHz | 2.000 MHz | 7.06994 GHz | -40.75 dBm | -35.59 dB | -15.53 dB |
| 166.720 MHz | 250.080 MHz | 2.000 MHz | 7.23450 GHz | -55.81 dBm | -50.65 dB | -10.73 dB |
| 250.080 MHz | 400.000 MHz | 2.000 MHz | 7.37977 GHz | -55.14 dBm | -49.98 dB | -9.98 dB |

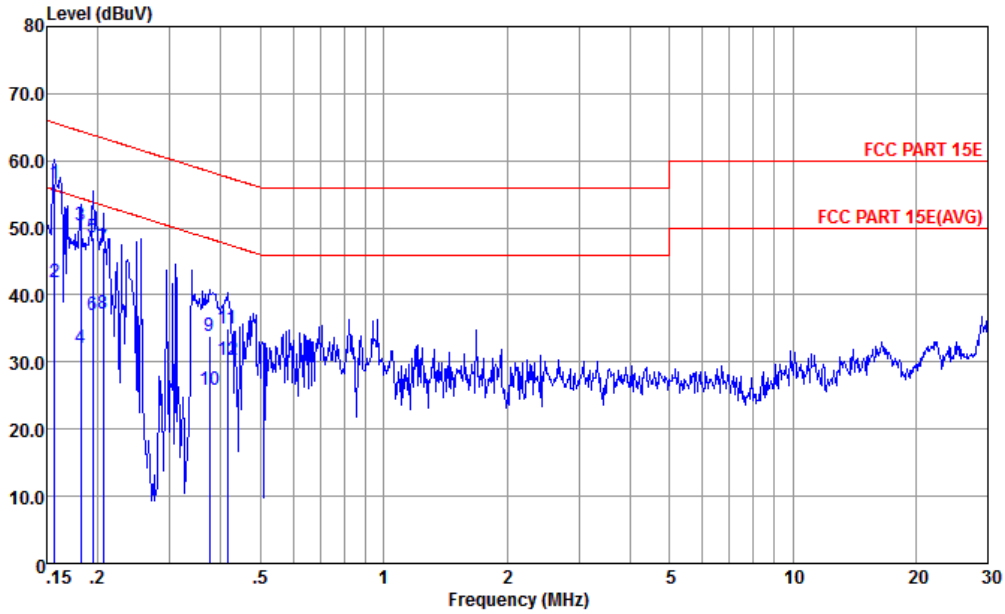
11AX160MIMO_Ant2_6985_996Tone_Left-RU67




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -400.000 MHz | -250.080 MHz | 2.000 MHz | 6.73434 GHz | -53.32 dBm | -48.96 dB | -8.96 dB |
| -250.080 MHz | -166.720 MHz | 2.000 MHz | 6.73550 GHz | -53.30 dBm | -48.94 dB | -9.03 dB |
| -166.720 MHz | -84.360 MHz | 2.000 MHz | 6.90006 GHz | -40.36 dBm | -35.99 dB | -15.94 dB |
| -84.360 MHz | -83.360 MHz | 2.000 MHz | 6.90114 GHz | -38.72 dBm | -34.36 dB | -14.36 dB |
| 83.360 MHz | 84.360 MHz | 2.000 MHz | 7.06886 GHz | -48.25 dBm | -43.89 dB | -23.89 dB |
| 84.360 MHz | 166.720 MHz | 2.000 MHz | 7.14186 GHz | -51.94 dBm | -47.57 dB | -20.53 dB |
| 166.720 MHz | 250.080 MHz | 2.000 MHz | 7.23450 GHz | -55.83 dBm | -51.47 dB | -11.55 dB |
| 250.080 MHz | 400.000 MHz | 2.000 MHz | 7.38442 GHz | -55.09 dBm | -50.73 dB | -10.73 dB |

# Appendix B. AC Conducted Emission Test Results

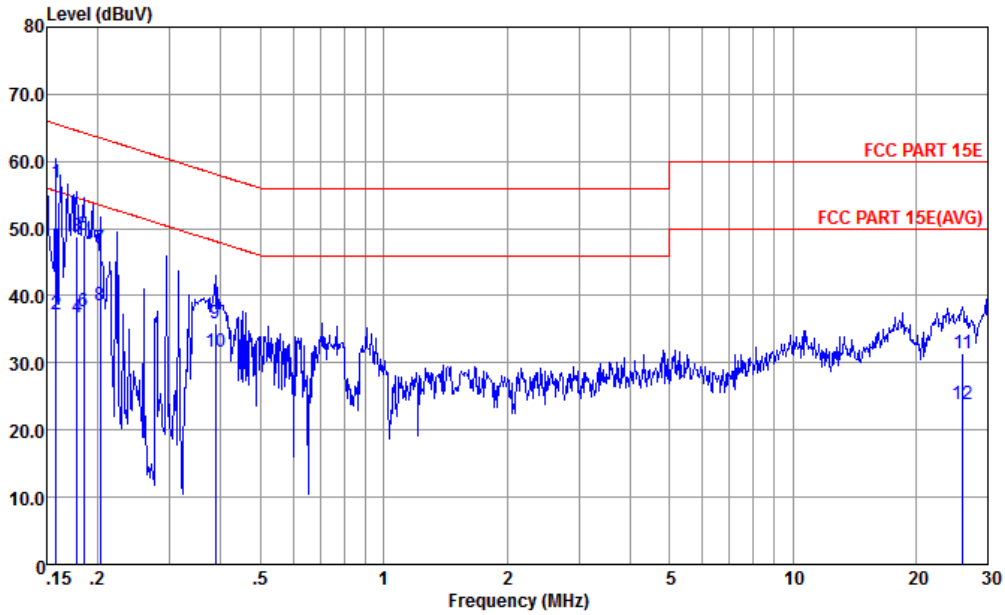
| | | | |
|---|---|---|---|
| **Test Engineer :** | Amos Zhang | **Temperature :** | 25.3~26.2℃ |
| | | **Relative Humidity :** | 38~40% |
| **Test Voltage :** | 120Vac / 60Hz | **Phase :** | Line |
| **Remark :** | All emissions not reported here are more than 10 dB below the prescribed limit. | | |




Site : CO01-KS
Condition : FCC PART 15E LISN-060105-L LINE

| | Freq MHz | Level dBuV | Over Limit dB | Limit Line dBuV | Read Level dBuV | LISN Factor dB | Cable Loss dB | Remark |
|---|---|---|---|---|---|---|---|---|
| 1 * | 0.156 | 56.69 | -8.96 | 65.65 | 46.21 | 0.02 | 10.46 | QP |
| 2 | 0.156 | 41.99 | -13.66 | 55.65 | 31.51 | 0.02 | 10.46 | Average |
| 3 | 0.182 | 50.34 | -14.08 | 64.42 | 39.91 | 0.03 | 10.40 | QP |
| 4 | 0.182 | 32.04 | -22.38 | 54.42 | 21.61 | 0.03 | 10.40 | Average |
| 5 | 0.194 | 48.61 | -15.23 | 63.84 | 38.20 | 0.04 | 10.37 | QP |
| 6 | 0.194 | 37.01 | -16.83 | 53.84 | 26.60 | 0.04 | 10.37 | Average |
| 7 | 0.206 | 47.00 | -16.36 | 63.36 | 36.60 | 0.04 | 10.36 | QP |
| 8 | 0.206 | 37.20 | -16.16 | 53.36 | 26.80 | 0.04 | 10.36 | Average |
| 9 | 0.375 | 33.86 | -24.53 | 58.39 | 23.50 | 0.08 | 10.28 | QP |
| 10 | 0.375 | 25.86 | -22.53 | 48.39 | 15.50 | 0.08 | 10.28 | Average |
| 11 | 0.415 | 34.95 | -22.60 | 57.55 | 24.60 | 0.09 | 10.26 | QP |
| 12 | 0.415 | 30.31 | -17.24 | 47.55 | 19.96 | 0.09 | 10.26 | Average |

| | | | |
|---|---|---|---|
| **Test Engineer :** | Amos Zhang | **Temperature :** | 25.3~26.2℃ |
| | | **Relative Humidity :** | 38~40% |
| **Test Voltage :** | 120Vac / 60Hz | **Phase :** | Neutral |
| **Remark :** | All emissions not reported here are more than 10 dB below the prescribed limit. | | |




Site : CO01-KS
Condition : FCC PART 15E LISN-060105-N NEUTRAL

| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 * | 0.158 | 56.77 | -8.79 | 65.56 | 46.20 | 0.11 | 10.46 | QP |
| 2 | 0.158 | 37.17 | -18.39 | 55.56 | 26.60 | 0.11 | 10.46 | Average |
| 3 | 0.178 | 48.71 | -15.88 | 64.59 | 38.20 | 0.10 | 10.41 | QP |
| 4 | 0.178 | 36.71 | -17.88 | 54.59 | 26.20 | 0.10 | 10.41 | Average |
| 5 | 0.184 | 49.10 | -15.18 | 64.28 | 38.60 | 0.10 | 10.40 | QP |
| 6 | 0.184 | 37.70 | -16.58 | 54.28 | 27.20 | 0.10 | 10.40 | Average |
| 7 | 0.203 | 47.06 | -16.43 | 63.49 | 36.60 | 0.10 | 10.36 | QP |
| 8 | 0.203 | 38.66 | -14.83 | 53.49 | 28.20 | 0.10 | 10.36 | Average |
| 9 | 0.387 | 35.98 | -22.14 | 58.12 | 25.60 | 0.11 | 10.27 | QP |
| 10 | 0.387 | 31.58 | -16.54 | 48.12 | 21.20 | 0.11 | 10.27 | Average |
| 11 | 26.001 | 31.50 | -28.50 | 60.00 | 20.20 | 0.72 | 10.58 | QP |
| 12 | 26.001 | 23.90 | -26.10 | 50.00 | 12.60 | 0.72 | 10.58 | Average |

# Appendix C. Radiated Spurious Emission

**U-NII 5 - 5925-6425MHzMHz**

**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

| WIFI Ant. | Note | Frequency | Level | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1+2 | | ( MHz ) | ( dBµV/m ) | ( dB ) | ( dBµV/m ) | (dBµV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ax HE40 Full CH 03 5965MHz | | 5924.96 | 54.09 | -34.21 | 88.3 | 44.28 | 35.22 | 11.4 | 36.81 | 104 | 116 | P | H |
| | | 5924.96 | 43.72 | -24.58 | 68.3 | 33.91 | 35.22 | 11.4 | 36.81 | 104 | 116 | A | H |
| | * | 5950 | 101.76 | --- | --- | 91.92 | 35.24 | 11.43 | 36.83 | 104 | 116 | P | H |
| | | 5950 | 94.13 | --- | --- | 84.29 | 35.24 | 11.43 | 36.83 | 104 | 116 | A | H |
| | | 5924.96 | 53.09 | -35.21 | 88.3 | 43.28 | 35.22 | 11.4 | 36.81 | 313 | 105 | P | V |
| | | 5924.96 | 42.17 | -26.13 | 68.3 | 32.36 | 35.22 | 11.4 | 36.81 | 313 | 105 | A | V |
| | * | 5950 | 100.47 | --- | --- | 90.63 | 35.24 | 11.43 | 36.83 | 313 | 105 | P | V |
| | | 5959 | 91.47 | --- | --- | 81.62 | 35.26 | 11.43 | 36.84 | 313 | 105 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 5 5925~6425MHz

## WIFI 802.11ax HE40 Full (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE40 Full CH 03 5965MHz | | 11928 | 43.8 | -30.2 | 74 | 54.8 | 38.46 | 16.63 | 66.09 | 300 | 0 | P | H |
| | | 11928 | 43.81 | -30.19 | 74 | 54.81 | 38.46 | 16.63 | 66.09 | 100 | 0 | P | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 5 5925~6425MHz

## WIFI 802.11ax HE80 Full (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE80 Full CH 07 5985MHz | | 5924.36 | 54.39 | -33.91 | 88.3 | 44.58 | 35.22 | 11.4 | 36.81 | 111 | 115 | P | H |
| | | 5925 | 44.55 | -23.75 | 68.3 | 34.74 | 35.22 | 11.4 | 36.81 | 111 | 115 | A | H |
| | * | 5986 | 100.58 | --- | --- | 90.71 | 35.28 | 11.45 | 36.86 | 111 | 115 | P | H |
| | | 5995 | 91.46 | --- | --- | 81.57 | 35.3 | 11.47 | 36.88 | 111 | 115 | A | H |
| | | 5920.2 | 52.31 | -35.99 | 88.3 | 42.5 | 35.2 | 11.4 | 36.79 | 300 | 74 | P | V |
| | | 5924.84 | 42.52 | -25.78 | 68.3 | 32.71 | 35.22 | 11.4 | 36.81 | 300 | 74 | A | V |
| | * | 5977 | 95.3 | --- | --- | 85.43 | 35.28 | 11.45 | 36.86 | 300 | 74 | P | V |
| | | 5977 | 87.36 | --- | --- | 77.49 | 35.28 | 11.45 | 36.86 | 300 | 74 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 5 5925~6425MHz

## WIFI 802.11ax HE80 Full (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE80 Full CH 07 5985MHz | | 11968 | 44.05 | -29.95 | 74 | 54.97 | 38.48 | 16.66 | 66.06 | 300 | 0 | P | H |
| | | 11968 | 44.04 | -29.96 | 74 | 54.96 | 38.48 | 16.66 | 66.06 | 100 | 0 | P | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

**U-NII 5 5925~6425MHz**

**WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)**

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE80 Partial 484/65 CH 07 5985MHz | | 5920.68 | 56.69 | -31.61 | 88.3 | 46.88 | 35.2 | 11.4 | 36.79 | 100 | 115 | P | H |
| | | 5925 | 40.84 | -27.46 | 68.3 | 31.03 | 35.22 | 11.4 | 36.81 | 100 | 115 | A | H |
| | | 5950 | 98.23 | --- | --- | 88.39 | 35.24 | 11.43 | 36.83 | 100 | 115 | P | H |
| | | 5959 | 91.01 | --- | --- | 81.16 | 35.26 | 11.43 | 36.84 | 100 | 115 | A | H |
| | | 5923.24 | 53.66 | -34.64 | 88.3 | 43.85 | 35.22 | 11.4 | 36.81 | 299 | 104 | P | V |
| | | 5924.52 | 39.82 | -28.48 | 68.3 | 30.01 | 35.22 | 11.4 | 36.81 | 299 | 104 | A | V |
| | | 5950 | 94.12 | --- | --- | 84.28 | 35.24 | 11.43 | 36.83 | 299 | 104 | P | V |
| | | 5959 | 87.79 | --- | --- | 77.94 | 35.26 | 11.43 | 36.84 | 299 | 104 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 5 5925~6425MHz

## WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE160 Full CH 15 6025MHz | | 5911.4 | 54.53 | -33.77 | 88.3 | 44.74 | 35.2 | 11.38 | 36.79 | 100 | 237 | P | H |
| | | 5922.92 | 46.62 | -21.68 | 68.3 | 36.81 | 35.22 | 11.4 | 36.81 | 100 | 237 | A | H |
| | * | 6013 | 94.44 | --- | --- | 84.53 | 35.31 | 11.48 | 36.88 | 100 | 237 | P | H |
| | | 6013 | 86.39 | --- | --- | 76.48 | 35.31 | 11.48 | 36.88 | 100 | 237 | A | H |
| | | 5923.56 | 53.58 | -34.72 | 88.3 | 43.77 | 35.22 | 11.4 | 36.81 | 308 | 77 | P | V |
| | | 5915.88 | 44.77 | -23.53 | 68.3 | 34.96 | 35.2 | 11.4 | 36.79 | 308 | 77 | A | V |
| | * | 6067 | 93.03 | --- | --- | 83.04 | 35.34 | 11.52 | 36.87 | 308 | 77 | P | V |
| | | 6049 | 84.91 | --- | --- | 74.94 | 35.33 | 11.51 | 36.87 | 308 | 77 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 5 5925~6425MHz

## WIFI 802.11ax HE160 Full (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE160 Full CH 15 6025MHz | | 12048 | 44.31 | -29.69 | 74 | 55.09 | 38.53 | 16.7 | 66.01 | 300 | 0 | P | H |
| | | 12048 | 44.29 | -29.71 | 74 | 55.07 | 38.53 | 16.7 | 66.01 | 100 | 0 | P | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 8 - 6875-7125MHzMHz

## WIFI 802.11a (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a CH 229 7095MHz | | 7200.84 | 52.67 | -35.63 | 88.3 | 41.2 | 35.84 | 12.71 | 37.08 | 127 | 111 | P | H |
| | | 7160.68 | 41.94 | -26.36 | 68.3 | 30.55 | 35.83 | 12.66 | 37.1 | 127 | 111 | A | H |
| | * | 7093 | 102.25 | --- | --- | 90.96 | 35.82 | 12.59 | 37.12 | 127 | 111 | P | H |
| | | 7093 | 93.79 | --- | --- | 82.5 | 35.82 | 12.59 | 37.12 | 127 | 111 | A | H |
| | | 7170.6 | 52.11 | -36.19 | 88.3 | 40.68 | 35.83 | 12.69 | 37.09 | 100 | 200 | P | V |
| | | 7167.72 | 42.03 | -26.27 | 68.3 | 30.6 | 35.83 | 12.69 | 37.09 | 100 | 200 | A | V |
| | * | 7102 | 103.65 | --- | --- | 92.35 | 35.82 | 12.59 | 37.11 | 100 | 200 | P | V |
| | | 7102 | 95.95 | --- | --- | 84.65 | 35.82 | 12.59 | 37.11 | 100 | 200 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 8 6875~7125MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11a CH 229 7095MHz | | 14192 | 46.16 | -42.14 | 88.3 | 53.93 | 38.99 | 18.16 | 64.92 | 300 | 0 | P | H |
| | | 14192 | 45.02 | -43.28 | 88.3 | 52.79 | 38.99 | 18.16 | 64.92 | 100 | 0 | P | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 8 - 6875-7125MHzMHz

## WIFI 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE20 Full CH 229 7095MHz | | 7142.92 | 52.21 | -36.09 | 88.3 | 40.84 | 35.83 | 12.64 | 37.1 | 115 | 113 | P | H |
| | | 7177.48 | 41.87 | -26.43 | 68.3 | 30.44 | 35.83 | 12.69 | 37.09 | 115 | 113 | A | H |
| | * | 7093 | 100.81 | --- | --- | 89.52 | 35.82 | 12.59 | 37.12 | 115 | 113 | P | H |
| | | 7093 | 93.31 | --- | --- | 82.02 | 35.82 | 12.59 | 37.12 | 115 | 113 | A | H |
| | | 7183.24 | 52.68 | -35.62 | 88.3 | 41.24 | 35.84 | 12.69 | 37.09 | 110 | 197 | P | V |
| | | 7165.16 | 41.96 | -26.34 | 68.3 | 30.56 | 35.83 | 12.66 | 37.09 | 110 | 197 | A | V |
| | * | 7102 | 103.31 | --- | --- | 92.01 | 35.82 | 12.59 | 37.11 | 110 | 197 | P | V |
| | | 7102 | 95.29 | --- | --- | 83.99 | 35.82 | 12.59 | 37.11 | 110 | 197 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 8 6875~7125MHz

## WIFI 802.11ax HE20 Full (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE20 Full CH 229 7095MHz | | 14192 | 45.44 | -42.86 | 88.3 | 53.21 | 38.99 | 18.16 | 64.92 | 300 | 0 | P | H |
| | | 14192 | 45.75 | -42.55 | 88.3 | 53.52 | 38.99 | 18.16 | 64.92 | 100 | 0 | P | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 8 6875~7125MHz

## WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE20 Partial 52/40 CH 229 7095MHz | | 7131.56 | 51.13 | -37.17 | 88.3 | 39.76 | 35.83 | 12.64 | 37.1 | 109 | 76 | P | H |
| | | 7204.52 | 40.22 | -28.08 | 68.3 | 28.75 | 35.84 | 12.71 | 37.08 | 109 | 76 | A | H |
| | | 7102 | 91 | --- | --- | 79.7 | 35.82 | 12.59 | 37.11 | 109 | 76 | P | H |
| | | 7102 | 84.58 | --- | --- | 73.28 | 35.82 | 12.59 | 37.11 | 109 | 76 | A | H |
| | | 7131.88 | 50.21 | -38.09 | 88.3 | 38.84 | 35.83 | 12.64 | 37.1 | 100 | 197 | P | V |
| | | 7200.52 | 40.27 | -28.03 | 68.3 | 28.8 | 35.84 | 12.71 | 37.08 | 100 | 197 | A | V |
| | | 7102 | 94.06 | --- | --- | 82.76 | 35.82 | 12.59 | 37.11 | 100 | 197 | P | V |
| | | 7102 | 88.09 | --- | --- | 76.79 | 35.82 | 12.59 | 37.11 | 100 | 197 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

**U-NII 8 6875~7125MHz**

**WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)**

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE40 Partial 242/62 CH 227 7085MHz | | 7131.96 | 57.79 | -30.51 | 88.3 | 46.42 | 35.83 | 12.64 | 37.1 | 110 | 111 | P | H |
| | | 7126.2 | 40.5 | -27.8 | 68.3 | 29.18 | 35.82 | 12.61 | 37.11 | 110 | 111 | A | H |
| | | 7093 | 96.71 | --- | --- | 85.42 | 35.82 | 12.59 | 37.12 | 110 | 111 | P | H |
| | | 7093 | 88.44 | --- | --- | 77.15 | 35.82 | 12.59 | 37.12 | 110 | 111 | A | H |
| | | 7126.92 | 62.83 | -25.47 | 88.3 | 51.51 | 35.82 | 12.61 | 37.11 | 100 | 198 | P | V |
| | | 7126.92 | 40.78 | -27.52 | 68.3 | 29.46 | 35.82 | 12.61 | 37.11 | 100 | 198 | A | V |
| | | 7093 | 97.57 | --- | --- | 86.28 | 35.82 | 12.59 | 37.12 | 100 | 198 | P | V |
| | | 7102 | 91.15 | --- | --- | 79.85 | 35.82 | 12.59 | 37.11 | 100 | 198 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

**U-NII 8 6875~7125MHz**

**WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)**

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE160 Partial 996/S67 CH 207 6985MHz | | 7128.68 | 54.1 | -34.2 | 88.3 | 42.73 | 35.83 | 12.64 | 37.1 | 104 | 110 | P | H |
| | | 7195.56 | 42.27 | -26.03 | 68.3 | 30.81 | 35.84 | 12.71 | 37.09 | 104 | 110 | A | H |
| | | 7048 | 90.8 | --- | --- | 79.61 | 35.81 | 12.51 | 37.13 | 104 | 110 | P | H |
| | | 7057 | 82.54 | --- | --- | 71.33 | 35.81 | 12.53 | 37.13 | 104 | 110 | A | H |
| | | 7126.44 | 52.82 | -35.48 | 88.3 | 41.5 | 35.82 | 12.61 | 37.11 | 100 | 177 | P | V |
| | | 7199.08 | 40.58 | -27.72 | 68.3 | 29.11 | 35.84 | 12.71 | 37.08 | 100 | 177 | A | V |
| | | 7021 | 91.07 | --- | --- | 79.93 | 35.8 | 12.48 | 37.14 | 100 | 177 | P | V |
| | | 7012 | 83.44 | --- | --- | 72.32 | 35.8 | 12.46 | 37.14 | 100 | 177 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## Emission below 1GHz

## WIFI 802.11ax HE160 Full (LF @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE160 Full LF | | 167.74 | 16.31 | -27.19 | 43.5 | 30.17 | 17.08 | 1.97 | 32.91 | - | - | P | H |
| | | 216.24 | 21.64 | -24.36 | 46 | 35.19 | 17.31 | 2.24 | 33.1 | - | - | P | H |
| | | 283.17 | 17.87 | -28.13 | 46 | 28.34 | 19.93 | 2.57 | 32.97 | - | - | P | H |
| | | 408.3 | 22.36 | -23.64 | 46 | 29.2 | 22.86 | 3.08 | 32.78 | - | - | P | H |
| | | 616.85 | 24.42 | -21.58 | 46 | 27.57 | 25.63 | 3.79 | 32.57 | - | - | P | H |
| | | 805.03 | 27.24 | -18.76 | 46 | 28.49 | 26.93 | 4.33 | 32.51 | - | - | P | H |
| | | 203.63 | 16.9 | -26.6 | 43.5 | 31.29 | 16.54 | 2.17 | 33.1 | - | - | P | V |
| | | 328.76 | 18.59 | -27.41 | 46 | 27.84 | 20.89 | 2.76 | 32.9 | - | - | P | V |
| | | 479.11 | 25.33 | -20.67 | 46 | 30.63 | 24.12 | 3.34 | 32.76 | - | - | P | V |
| | | 606.18 | 26.24 | -19.76 | 46 | 29.45 | 25.55 | 3.76 | 32.52 | - | - | P | V |
| | | 672.14 | 28.04 | -17.96 | 46 | 31.01 | 25.81 | 3.96 | 32.74 | - | - | P | V |
| | | 803.09 | 30.82 | -15.18 | 46 | 32.08 | 26.92 | 4.33 | 32.51 | - | - | P | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against limit line. | | | | | | | | | | | | |

# <Co-location Modes>

**BLE(2M)_Ch39+WIFI 6G 802.11ax HE160 Full_CH15+LTE B48_BW 20M**

**2.4GHz 2400~2483.5MHz**

**BLE(2M) (Band Edge @ 3m)**

| BLE(2M) Ant. | Note | Frequency | Level | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | | ( MHz ) | ( dBµV/m ) | ( dB ) | ( dBµV/m ) | ( dBµV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| BLE(2M) CH 39 2480MHz | | 2485.84 | 54.85 | -19.15 | 74 | 51.44 | 32.98 | 7.25 | 36.82 | 134 | 74 | P | H |
| | | 2485.3 | 45.33 | -8.67 | 54 | 41.92 | 32.98 | 7.25 | 36.82 | 134 | 74 | A | H |
| | * | 2480 | 99.78 | --- | --- | 96.37 | 32.98 | 7.25 | 36.82 | 134 | 74 | P | H |
| | * | 2480 | 97.48 | --- | --- | 94.07 | 32.98 | 7.25 | 36.82 | 134 | 74 | A | H |
| | | 2493.64 | 49.04 | -24.96 | 74 | 45.57 | 33 | 7.28 | 36.81 | 260 | 344 | P | V |
| | | 2486.62 | 40.2 | -13.8 | 54 | 36.79 | 32.98 | 7.25 | 36.82 | 260 | 344 | A | V |
| | * | 2480 | 95.06 | --- | --- | 91.65 | 32.98 | 7.25 | 36.82 | 260 | 344 | P | V |
| | * | 2480 | 92.83 | --- | --- | 89.42 | 32.98 | 7.25 | 36.82 | 260 | 344 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## 2.4GHz 2400~2483.5MHz

## BLE(2M) (Harmonic @ 3m)

| BLE(2M) Ant. 2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BLE(2M) CH 39 2480MHz | | 4905 | 40.77 | -33.23 | 74 | 61.62 | 34.25 | 10.34 | 65.44 | 300 | 0 | P | H |
| | | 7356 | 42.06 | -31.94 | 74 | 59.52 | 35.87 | 12.73 | 66.06 | 300 | 0 | P | H |
| | | 4905 | 39.93 | -34.07 | 74 | 60.78 | 34.25 | 10.34 | 65.44 | 100 | 0 | P | V |
| | | 7356 | 42.05 | -31.95 | 74 | 59.51 | 35.87 | 12.73 | 66.06 | 100 | 0 | P | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 5 5925~6425MHz

## WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE160 Full CH 15 6025MHz | | 5907.24 | 56.92 | -31.38 | 88.3 | 47.13 | 35.2 | 11.38 | 36.79 | 107 | 114 | P | H |
| | | 5917.48 | 46.44 | -21.86 | 68.3 | 36.63 | 35.2 | 11.4 | 36.79 | 107 | 114 | A | H |
| | * | 6076 | 98.29 | --- | --- | 88.29 | 35.35 | 11.52 | 36.87 | 107 | 114 | P | H |
| | * | 6067 | 90.94 | --- | --- | 80.95 | 35.34 | 11.52 | 36.87 | 107 | 114 | A | H |
| | | 5925.16 | 53.12 | -35.18 | 88.3 | 43.31 | 35.22 | 11.4 | 36.81 | 308 | 75 | P | V |
| | | 5916.2 | 43.61 | -24.69 | 68.3 | 33.8 | 35.2 | 11.4 | 36.79 | 308 | 75 | A | V |
| | * | 6049 | 93.06 | --- | --- | 83.09 | 35.33 | 11.51 | 36.87 | 308 | 75 | P | V |
| | * | 6049 | 86.43 | --- | --- | 76.46 | 35.33 | 11.51 | 36.87 | 308 | 75 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## WIFI 802.11ax HE160 Full (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE160 Full CH 15 6025MHz | | 12048 | 42.37 | -31.63 | 74 | 53.15 | 38.53 | 16.7 | 66.01 | 300 | 0 | P | H |
| | | 12048 | 41.86 | -32.14 | 74 | 52.64 | 38.53 | 16.7 | 66.01 | 100 | 0 | P | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

**WIFI 2.4G 802.11 ax HE40 Full_CH09+WIFI 6G 802.11ax HE160 Full_CH15+LTE B48_BW 20M**

**2.4GHz 2400~2483.5MHz**

**WIFI 802.11 ax HE40 Full (Band Edge @ 3m)**

| WIFI Ant. | Note | Frequency | Level | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1+2 | | ( MHz ) | ( dBµV/m ) | ( dB ) | ( dBµV/m ) | ( dBµV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ax HE40 Full CH 09 2452MHz | | 2388.65 | 52.31 | -21.69 | 74 | 49.19 | 32.88 | 7.1 | 36.86 | 137 | 95 | P | H |
| | | 2389.95 | 42.49 | -11.51 | 54 | 39.37 | 32.88 | 7.1 | 36.86 | 137 | 95 | A | H |
| | | 2486.38 | 62.92 | -11.08 | 74 | 59.51 | 32.98 | 7.25 | 36.82 | 137 | 95 | P | H |
| | | 2483.5 | 49.24 | -4.76 | 54 | 45.83 | 32.98 | 7.25 | 36.82 | 137 | 95 | A | H |
| | * | 2452 | 111.96 | --- | --- | 108.67 | 32.94 | 7.19 | 36.84 | 137 | 95 | P | H |
| | * | 2450 | 102.13 | --- | --- | 98.84 | 32.94 | 7.19 | 36.84 | 137 | 95 | A | H |
| | | 2389.69 | 48.91 | -25.09 | 74 | 45.79 | 32.88 | 7.1 | 36.86 | 265 | 342 | P | V |
| | | 2389.95 | 37.9 | -16.1 | 54 | 34.78 | 32.88 | 7.1 | 36.86 | 265 | 342 | A | V |
| | | 2485.42 | 60.32 | -13.68 | 74 | 56.91 | 32.98 | 7.25 | 36.82 | 265 | 342 | P | V |
| | | 2484.46 | 47.42 | -6.58 | 54 | 44.01 | 32.98 | 7.25 | 36.82 | 265 | 342 | A | V |
| | * | 2456 | 106.6 | --- | --- | 103.25 | 32.96 | 7.22 | 36.83 | 265 | 342 | P | V |
| | * | 2456 | 97.55 | --- | --- | 94.2 | 32.96 | 7.22 | 36.83 | 265 | 342 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## 2.4GHz 2400~2483.5MHz

## WIFI 802.11 ax HE40 Full (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level ( dBμV ) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax | | 4905 | 37.78 | -36.22 | 74 | 58.14 | 34.74 | 10.34 | 65.44 | 300 | 0 | P | H |
| HE40 Full | | 7356 | 41.49 | -32.51 | 74 | 58.16 | 36.66 | 12.73 | 66.06 | 300 | 0 | P | H |
| CH 09 | | 4905 | 38.49 | -35.51 | 74 | 58.85 | 34.74 | 10.34 | 65.44 | 300 | 360 | P | V |
| 2452MHz | | 7356 | 41.18 | -32.82 | 74 | 57.85 | 36.66 | 12.73 | 66.06 | 300 | 360 | P | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## U-NII 5 5925~6425MHz

## WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE160 Full CH 15 6025MHz | | 5914.92 | 56.98 | -31.32 | 88.3 | 47.17 | 35.2 | 11.4 | 36.79 | 100 | 112 | P | H |
| | | 5925.16 | 46.72 | -21.58 | 68.3 | 36.91 | 35.22 | 11.4 | 36.81 | 100 | 112 | A | H |
| | * | 6058 | 96.78 | --- | --- | 86.8 | 35.34 | 11.51 | 36.87 | 100 | 112 | P | H |
| | * | 6067 | 89.74 | --- | --- | 79.75 | 35.34 | 11.52 | 36.87 | 100 | 112 | A | H |
| | | 5914.28 | 51.73 | -36.57 | 88.3 | 41.92 | 35.2 | 11.4 | 36.79 | 287 | 72 | P | V |
| | | 5924.84 | 41.84 | -26.46 | 68.3 | 32.03 | 35.22 | 11.4 | 36.81 | 287 | 72 | A | V |
| | * | 6004 | 91.43 | --- | --- | 81.54 | 35.3 | 11.47 | 36.88 | 287 | 72 | P | V |
| | * | 5986 | 84.8 | --- | --- | 74.93 | 35.28 | 11.45 | 36.86 | 287 | 72 | A | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

## WIFI 802.11ax HE160 Full (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 802.11ax HE160 Full CH 15 6025MHz | | 12049 | 45.2 | -28.8 | 74 | 55.96 | 38.53 | 16.72 | 66.01 | 300 | 0 | P | H |
| | | 12049 | 44.7 | -29.3 | 74 | 55.46 | 38.53 | 16.72 | 66.01 | 100 | 0 | P | V |
| **Remark** | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | |

**Note symbol**

| | |
|---|---|
| * | **Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| ! | Test result is **over limit** line. |
| P/A | **P**eak or **A**verage |
| H/V | **H**orizontal or **V**ertical |

## A calculation example for radiated spurious emission is shown as below:

| WIFI | Note | Frequency | Level | Over | Limit | Read | Antenna | Path | Preamp | Ant | Table | Peak | Pol. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ant. | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| 1+2 | | ( MHz ) | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11b CH 01 2412MHz | | 2390 | 55.45 | -18.55 | 74 | 54.51 | 32.22 | 4.58 | 35.86 | 103 | 308 | P | H |
| | | 2390 | 43.54 | -10.46 | 54 | 42.6 | 32.22 | 4.58 | 35.86 | 103 | 308 | A | H |

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

**For Average Limit @ 2390MHz:**

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

**Both peak and average measured complies with the limit line, so test result is “PASS”.**

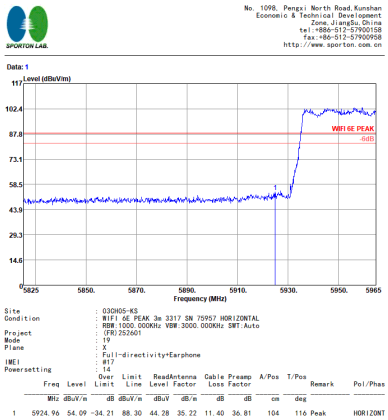
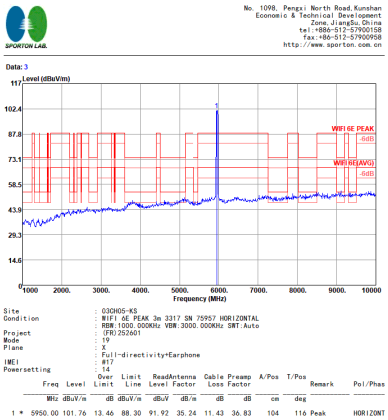
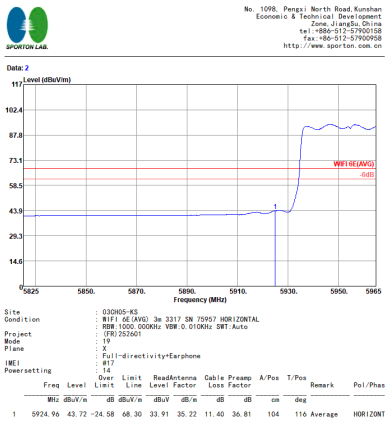
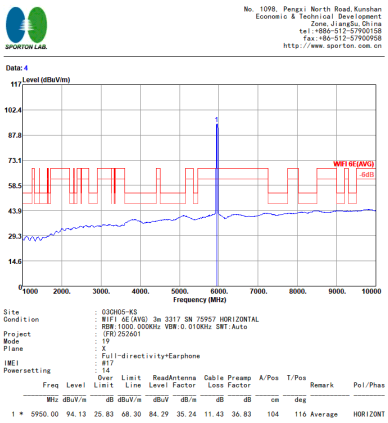
# Appendix D. Radiated Spurious Emission

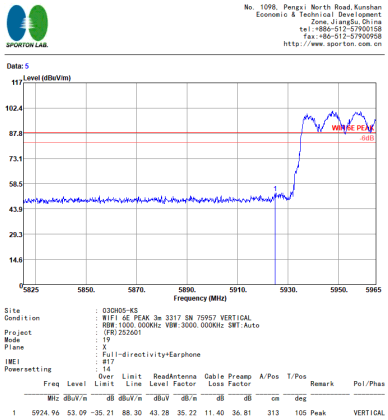
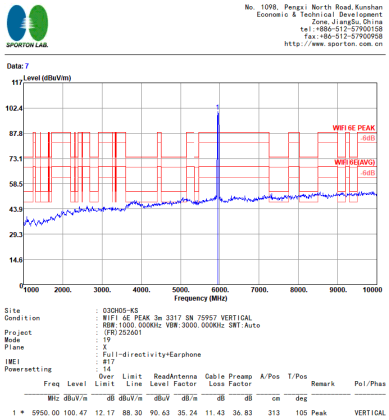
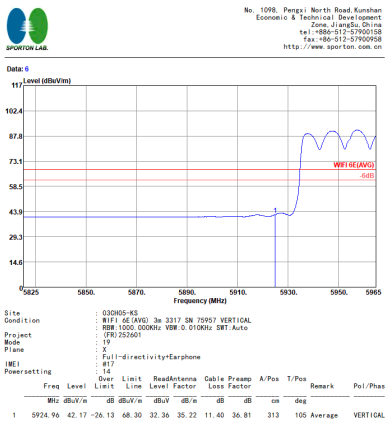
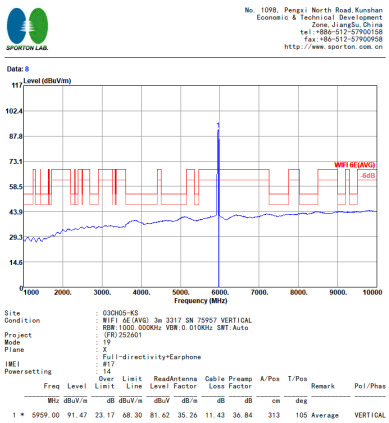
## Note symbol

| | |
|---|---|
| -L | **Low channel location** |
| -R | **High channel location** |

## U-NII 5 - 5925-6425MHzMHz

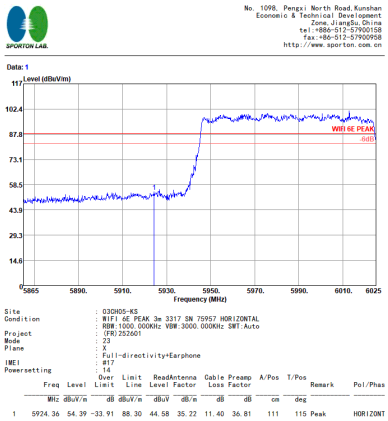
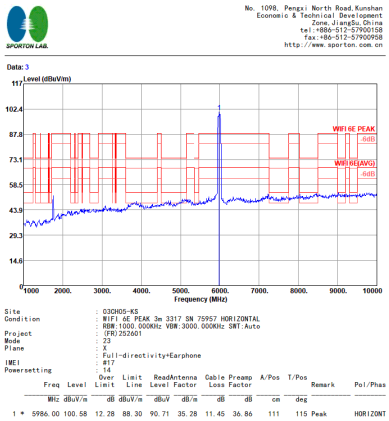
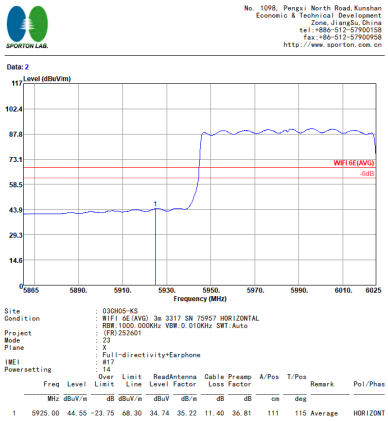
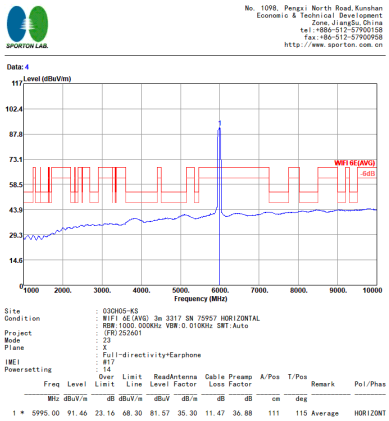
## WIFI 802.11ax HE40 Full (Band Edge @ 3m)

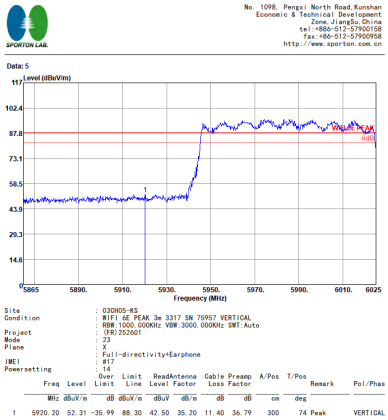
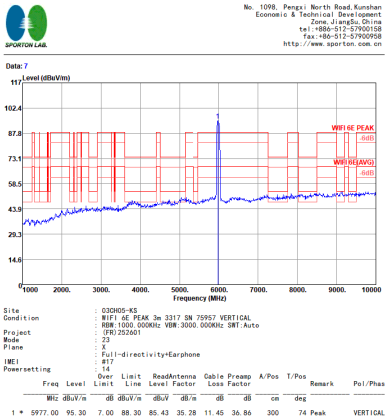
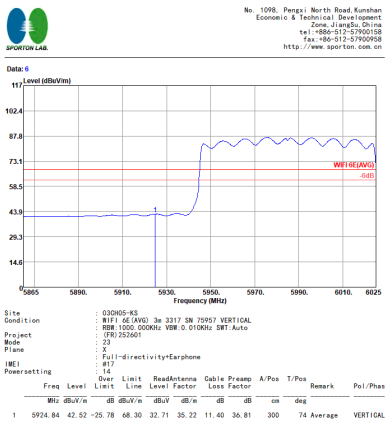
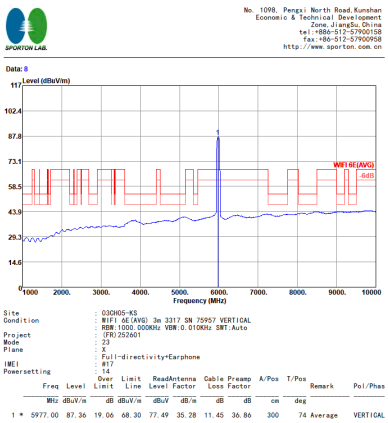
| WIFI | U-NII 5 - 5925-6425MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE40 Full CH03 5965MHz | |
| 2+6 | Horizontal | Fundamental |
| Peak |  |  |
| Avg. |  |  |

| WIFI | U-NII 5 - 5925-6425MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE40 Full H03 5965MHz | |
| 2+6 | Vertical | Fundamental |
| Peak |  |  |
| Avg. |  |  |

## U-NII 5 - 5925-6425MHzMHz

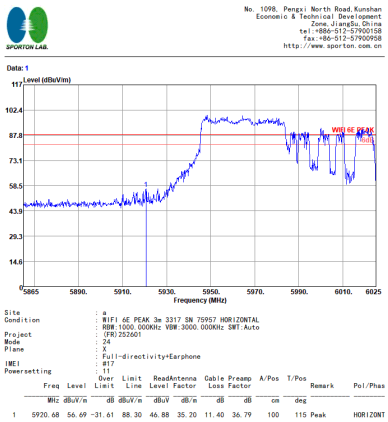
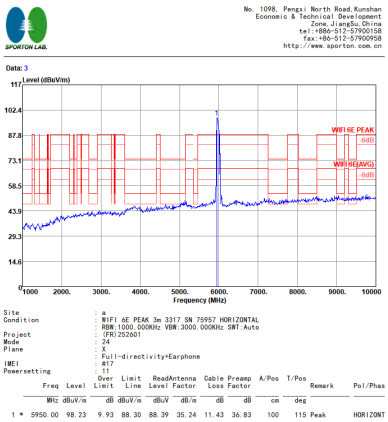
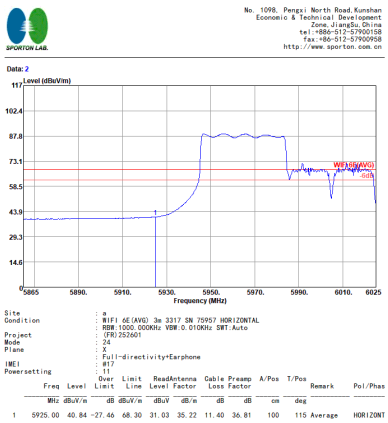
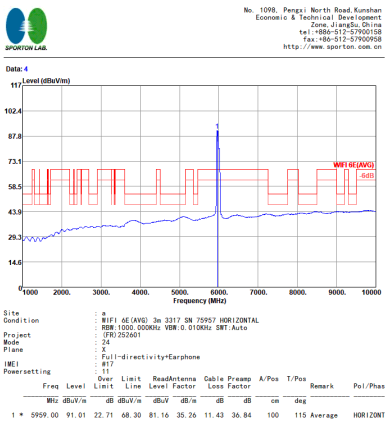
## WIFI 802.11ax HE80 Full (Band Edge @ 3m)

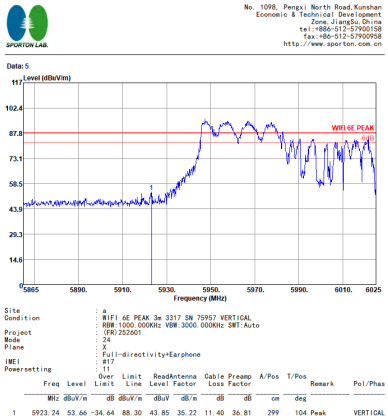
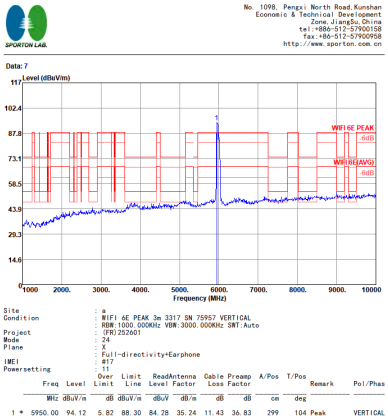
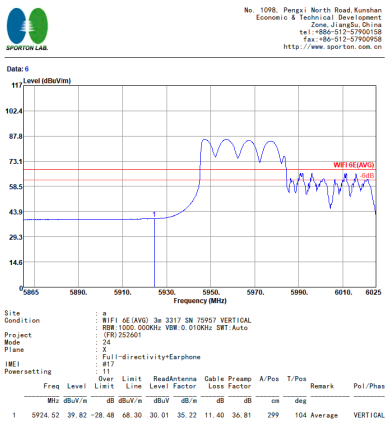
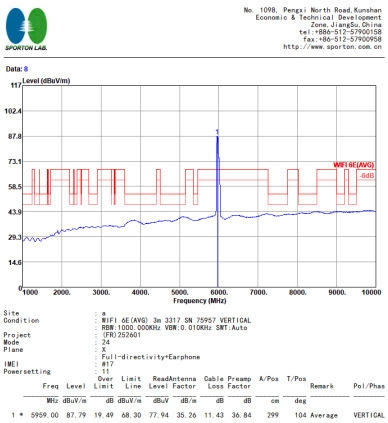
| WIFI | U-NII 5 - 5925-6425MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE80 Full CH07 5985MHz | |
| 2+6 | Horizontal | Fundamental |
| Peak |  |  |
| Avg. |  |  |

| WIFI | U-NII 5 - 5925-6425MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE80 Full CH07 5985MHz | |
| 2+6 | Vertical | Fundamental |
| Peak |  |  |
| Avg. |  |  |

## U-NII 5 - 5925-6425MHzMHz

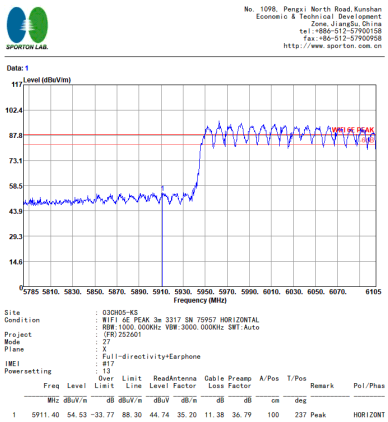
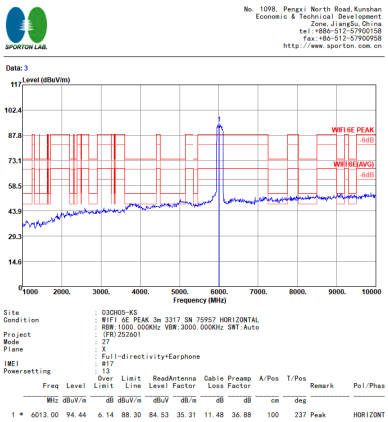
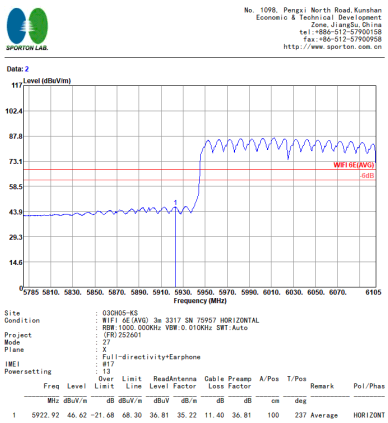
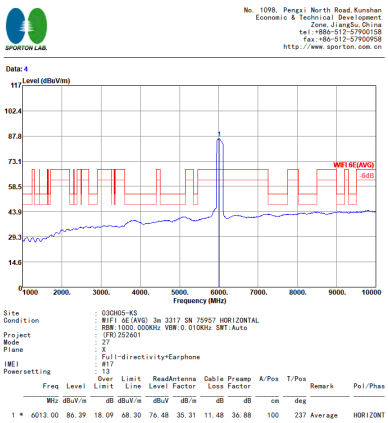
## WIFI 802.11ax HE80 Partial 484 (Band Edge @ 3m)

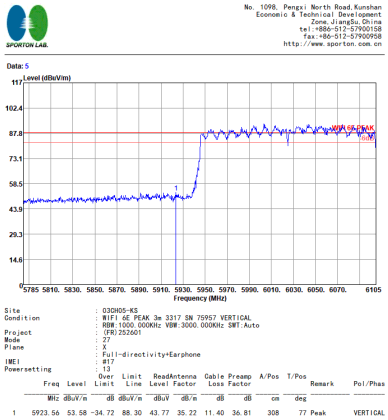
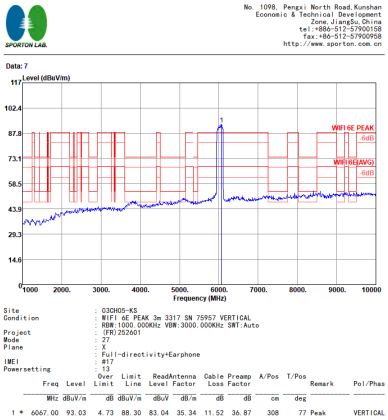
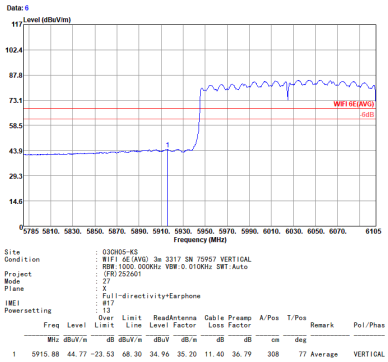
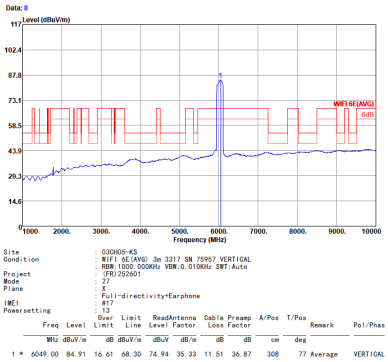
| WIFI | U-NII 5 - 5925-6425MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE80 Partial 484/65 CH07 5985MHz | |
| 2+6 | Horizontal | Fundamental |
| Peak |  |  |
| Avg. |  |  |

| WIFI | U-NII 5 - 5925-6425MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE80 Partial 484/65 CH07 5985MHz | |
| 2+6 | Vertical | Fundamental |
| Peak |  |  |
| Avg. |  |  |

## U-NII 5 - 5925-6425MHzMHz

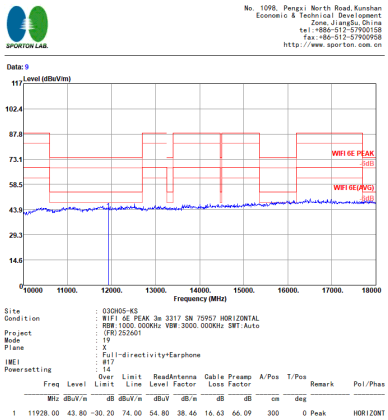
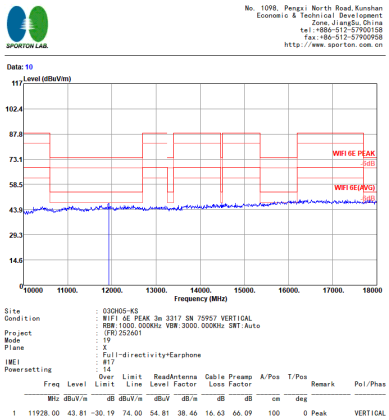
## WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI | U-NII 5 - 5925-6425MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE160 Full CH15 6025MHz | |
| 2+6 | Horizontal | Fundamental |
| Peak |  |  |
| Avg. |  |  |

| WIFI | U-NII 5 - 5925-6425MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE160 Full CH15 6025MHz | |
| 2+6 | Vertical | Fundamental |
| Peak |  <br>No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+886-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn<br>Data: 5<br>Level (dBuV/m)<br>WIFI 6E PEAK<br>Frequency (MHz)<br>Site : 03CH05-KS<br>Condition : WIFI 6E PEAK_3m 3317 SN 75957 VERTICAL<br>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br>Project : (FR)252601<br>Mode : 27<br>Plane : X<br>: Full-directivity+Earphone<br>IMEI : #17<br>Powersetting : 13<br>Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos Remark T/Pos Pol/Phas<br>MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg<br>1 5923.56 53.58 -34.72 88.30 43.77 35.22 11.40 36.81 308 77 Peak VERTICAL |  <br>No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+886-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn<br>Data: 7<br>Level (dBuV/m)<br>WIFI 6E PEAK<br>-6dB<br>WIFI 6E(AVG)<br>-6dB<br>Frequency (MHz)<br>Site : 03CH05-KS<br>Condition : WIFI 6E PEAK_3m 3317 SN 75957 VERTICAL<br>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br>Project : (FR)252601<br>Mode : 27<br>Plane : X<br>: Full-directivity+Earphone<br>IMEI : #17<br>Powersetting : 13<br>Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos Remark T/Pos Pol/Phas<br>MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg<br>1 * 6067.00 93.03 4.73 88.30 83.04 35.34 11.52 36.87 308 77 Peak VERTICAL |
| Avg. |  <br>No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+886-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn<br>Data: 6<br>Level (dBuV/m)<br>WIFI 6E(AVG)<br>-6dB<br>Frequency (MHz)<br>Site : 03CH05-KS<br>Condition : WIFI 6E(AVG) 3m 3317 SN 75957 VERTICAL<br>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br>Project : (FR)252601<br>Mode : 27<br>Plane : X<br>: Full-directivity+Earphone<br>IMEI : #17<br>Powersetting : 13<br>Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos Remark T/Pos Pol/Phas<br>MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg<br>1 5915.88 44.77 -23.53 68.30 34.96 35.20 11.40 36.79 308 77 Average VERTICAL |  <br>No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+886-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn<br>Data: 8<br>Level (dBuV/m)<br>WIFI 6E(AVG)<br>-6dB<br>Frequency (MHz)<br>Site : 03CH05-KS<br>Condition : WIFI 6E(AVG) 3m 3317 SN 75957 VERTICAL<br>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto<br>Project : (FR)252601<br>Mode : 27<br>Plane : X<br>: Full-directivity+Earphone<br>IMEI : #17<br>Powersetting : 13<br>Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos Remark T/Pos Pol/Phas<br>MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg<br>1 * 6049.00 84.91 16.61 68.30 74.94 35.33 11.51 36.87 308 77 Average VERTICAL |

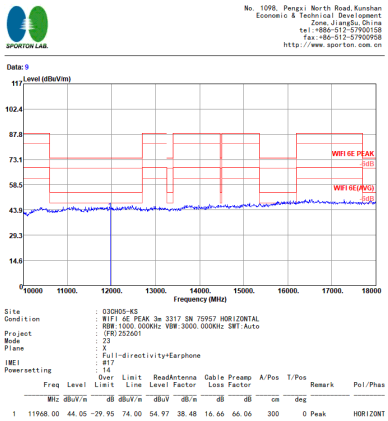
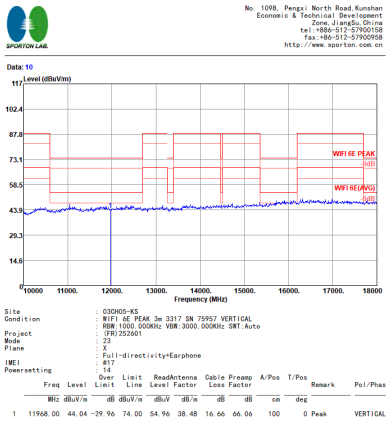
## U-NII 5 - 5925-6425MHzMHz

## WIFI 802.11ax HE40 Full (Harmonic @ 3m)

| WIFI | U-NII 5 - 5925-6425MHzMHz Harmonic @ 3m | |
|---|---|---|
| ANT | 802.11ax HE40 Full CH03 5965MHz | |
| 2+6 | Horizontal | Vertical |
| Peak<br>Avg. |  |  |

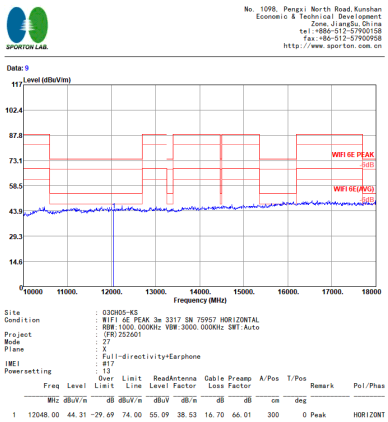
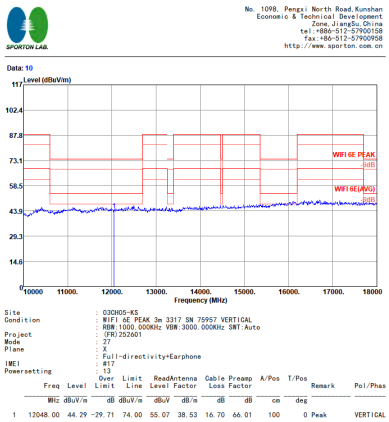
## U-NII 5 - 5925-6425MHzMHz

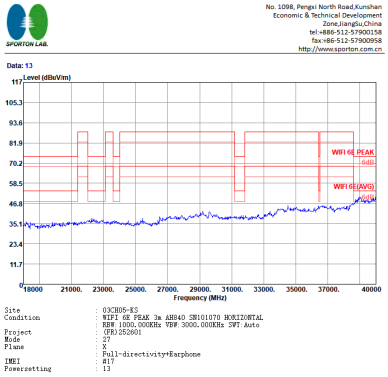
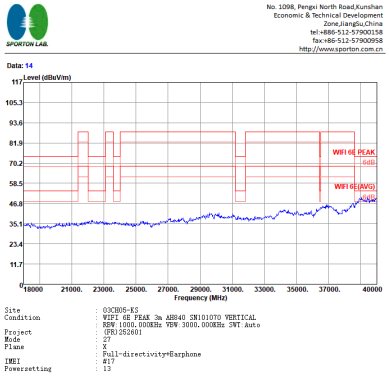
## WIFI 802.11ax HE80 Full (Harmonic @ 3m)

| WIFI | U-NII 5 - 5925-6425MHzMHz Harmonic @ 3m | |
|---|---|---|
| ANT | 802.11ax HE80 Full CH07 5985MHz | |
| 2+6 | Horizontal | Vertical |
| Peak<br>Avg. |  <br>Site : 03CH05-KS<br>Condition : WIFI 6E PEAK 3m 3317 SN 75957 HORIZONTAL<br>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br>Project : (FR)252601<br>Mode : 23<br>Plane : X<br>: Full-directivity+Earphone<br>IMEI : #17<br>Powersetting : 14<br>Freq Level Over Limit Limit Line Level Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark Pol/Phas<br>MHz dBuV/m dB dBuV/m dBuV/m dBuV dB/m dB dB cm deg<br>1 11968.00 44.05 -29.95 74.00 54.97 38.48 16.66 66.06 300 0 Peak HORIZONT |  <br>Site : 03CH05-KS<br>Condition : WIFI 6E PEAK 3m 3317 SN 75957 VERTICAL<br>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br>Project : (FR)252601<br>Mode : 23<br>Plane : X<br>: Full-directivity+Earphone<br>IMEI : #17<br>Powersetting : 14<br>Freq Level Over Limit Limit Line Level Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark Pol/Phas<br>MHz dBuV/m dB dBuV/m dBuV/m dBuV dB/m dB dB cm deg<br>1 11968.00 44.04 -29.96 74.00 54.96 38.48 16.66 66.06 100 0 Peak VERTICAL |

## U-NII 5 - 5925-6425MHzMHz

## WIFI 802.11ax HE160 Full (Harmonic @ 3m)

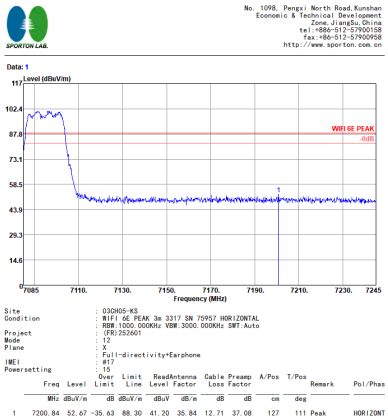
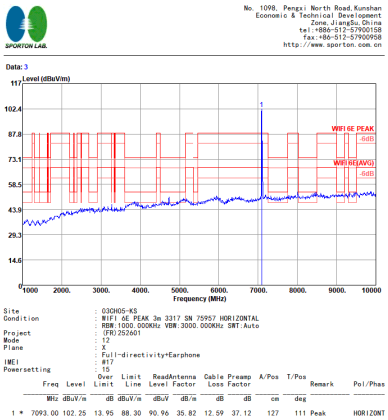
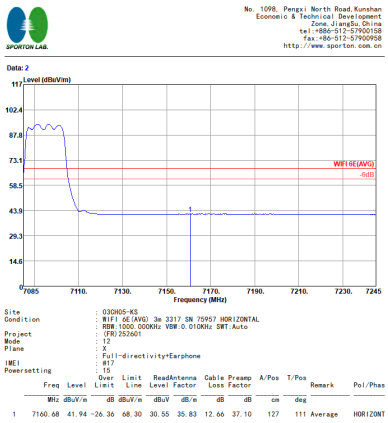
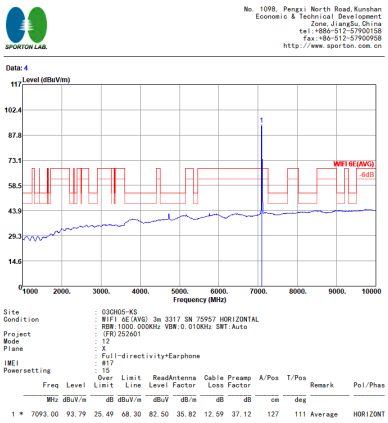
| WIFI | U-NII 5 - 5925-6425MHzMHz Harmonic @ 3m | |
|---|---|---|
| ANT | 802.11ax HE160 Full CH15 6025MHz | |
| 2+6 | Horizontal | Vertical |
| Peak<br>Avg. |  |  |

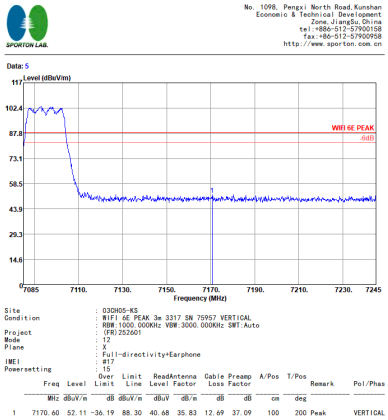
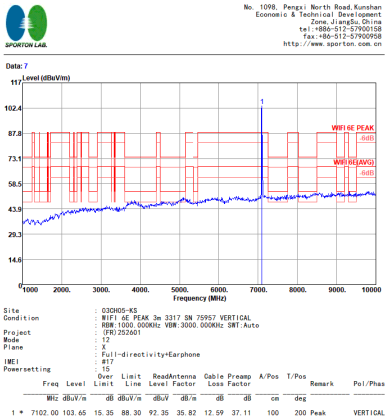
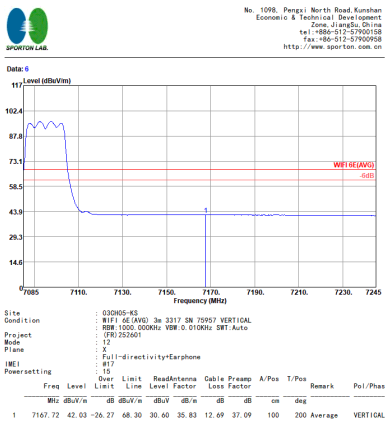
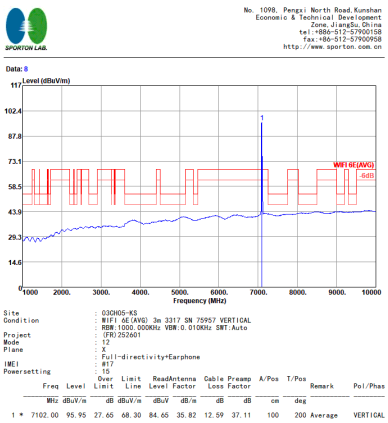
| WIFI | U-NII 5 - 5925-6425MHzMHz Harmonic @ 3m | |
|---|---|---|
| ANT | 802.11ax HE160 Full CH15 6025MHz | |
| 2+6 | Horizontal | Vertical |
| Peak<br>Avg. |  |  |

Remark： Only the worst harmonic (18G-40G) are shown in the report

## U-NII 8 - 6875-7125MHzMHz

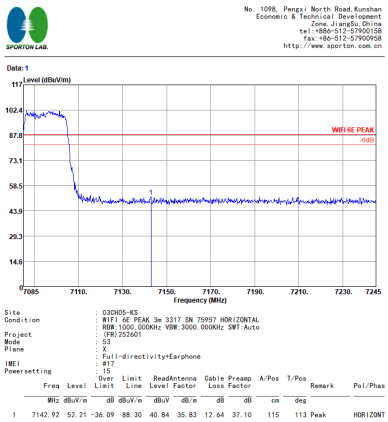
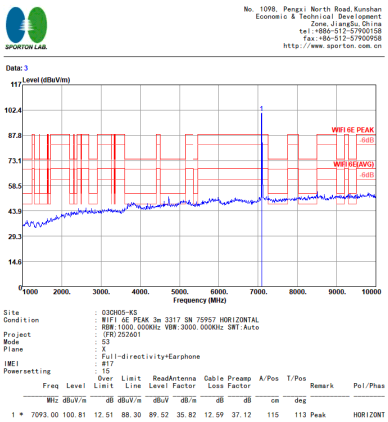
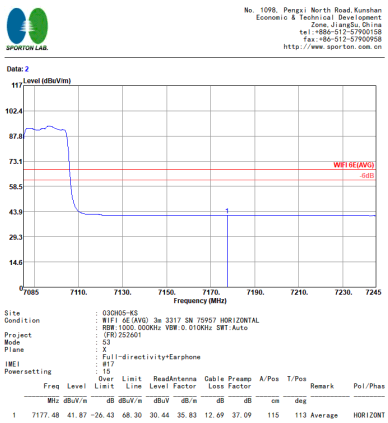
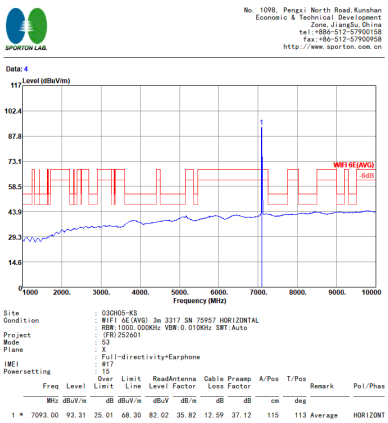
## WIFI 802.11a (Band Edge @ 3m)

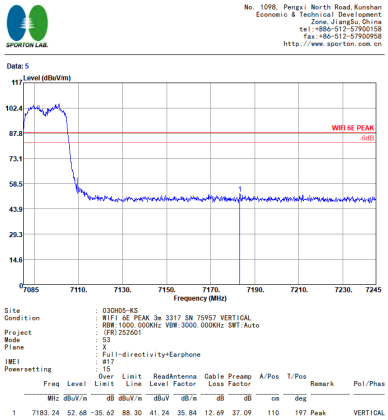
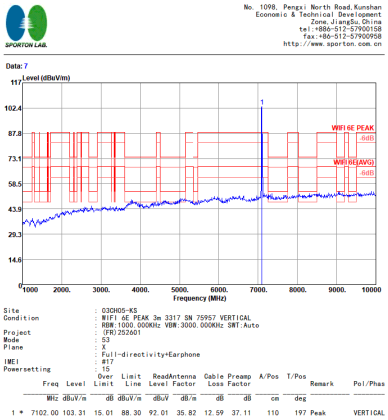
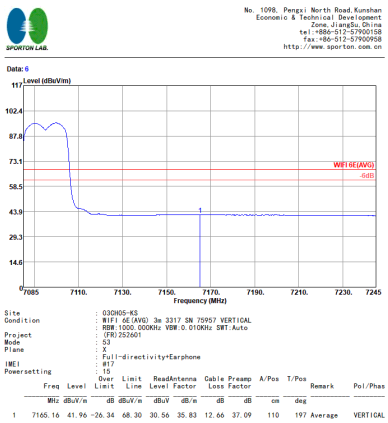
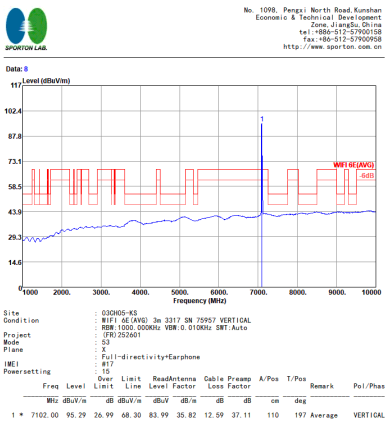
| WIFI | U-NII 8 - 6875-7125MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11a CH229 7095MHz | |
| 2+6 | Horizontal | Fundamental |
| Peak |  |  |
| Avg. |  |  |

| WIFI | U-NII 8 - 6875-7125MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11a CH229 7095MHz | |
| 2+6 | Vertical | Fundamental |
| Peak |  |  |
| Avg. |  |  |

## U-NII 8 - 6875-7125MHzMHz

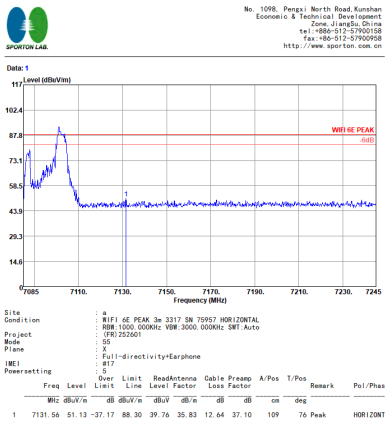
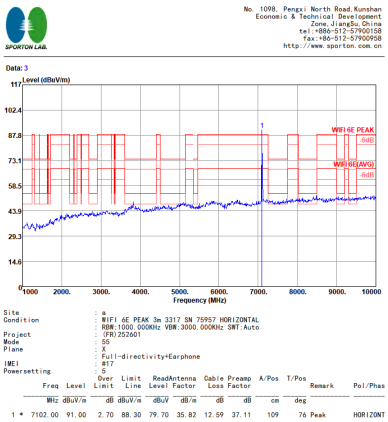
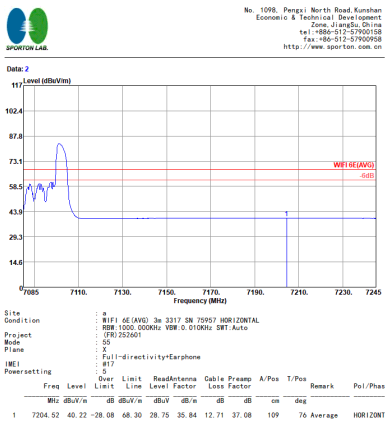
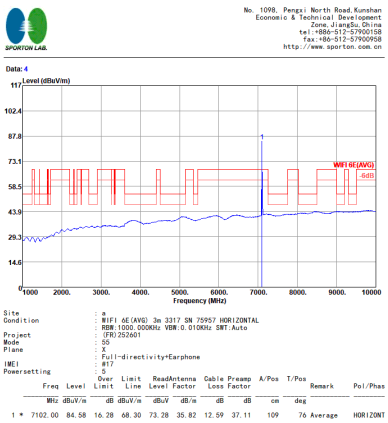
## WIFI 802.11ax HE20 Full (Band Edge @ 3m)

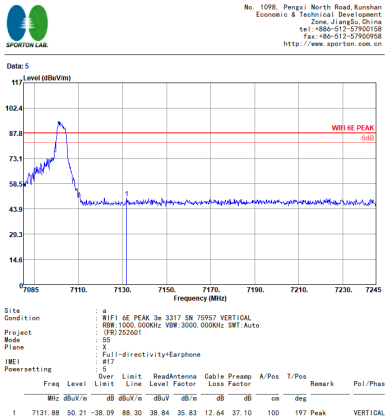
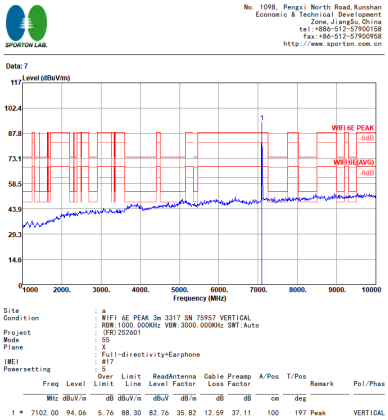
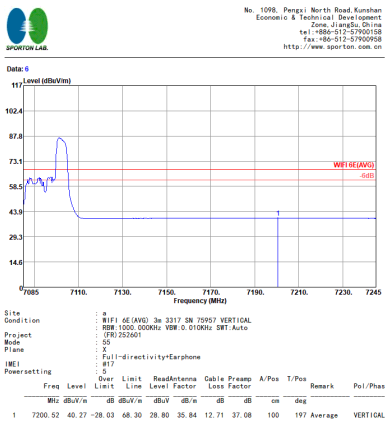
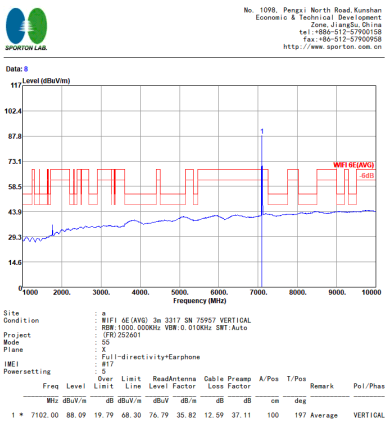
| WIFI | U-NII 8 - 6875-7125MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE20 Full CH229 7095MHz | |
| 2+6 | Horizontal | Fundamental |
| Peak |  |  |
| Avg. |  |  |

| WIFI | U-NII 8 - 6875-7125MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE20 Full CH229 7095MHz | |
| 2+6 | Vertical | Fundamental |
| Peak |  |  |
| Avg. |  |  |

## U-NII 8 - 6875-7125MHzMHz

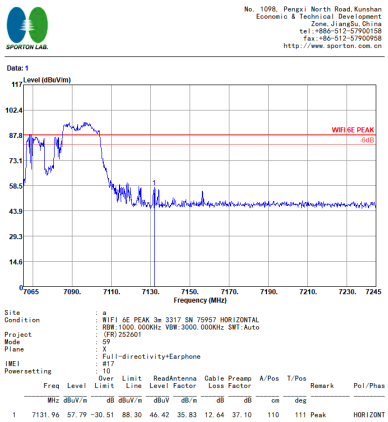
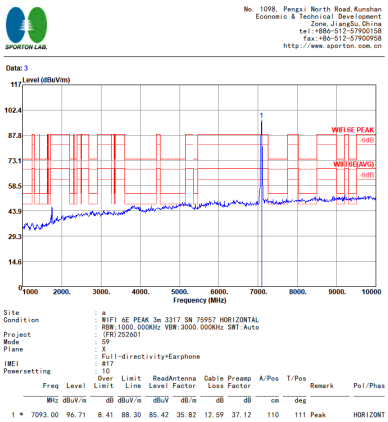
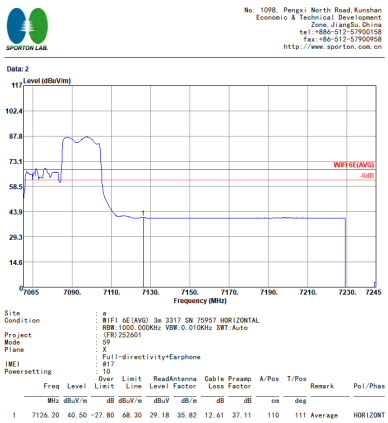
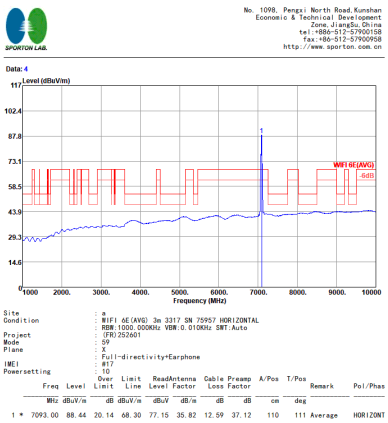
## WIFI 802.11ax HE20 Partial 52 (Band Edge @ 3m)

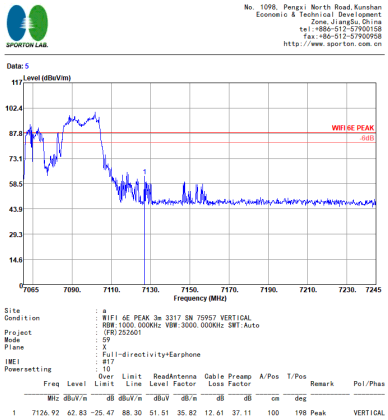
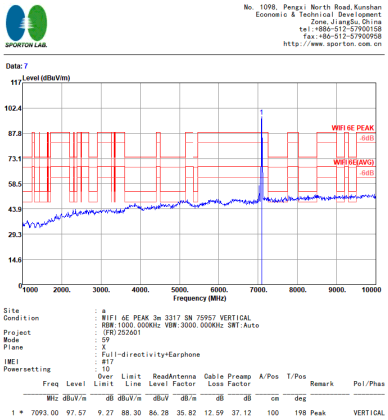
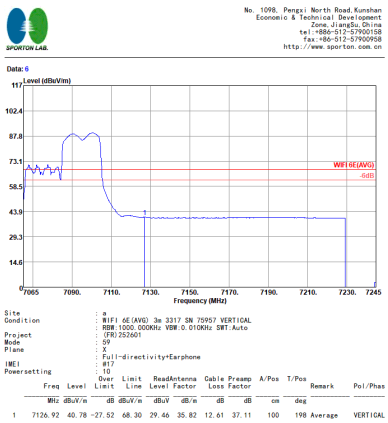
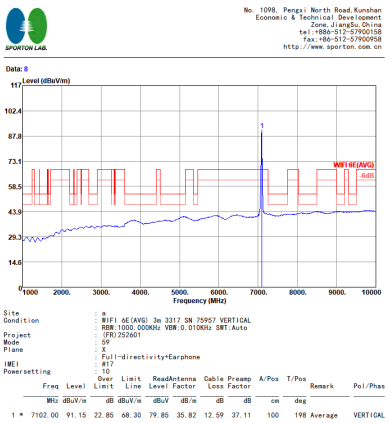
| WIFI | U-NII 8 - 6875-7125MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE20 Partial 52/40 CH229 7095MHz | |
| 2+6 | Horizontal | Fundamental |
| Peak |  |  |
| Avg. |  |  |

| WIFI | U-NII 8 - 6875-7125MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE20 Partial 52/40 CH229 7095MHz | |
| 2+6 | Vertical | Fundamental |
| Peak |  |  |
| Avg. |  |  |

## U-NII 8 - 6875-7125MHzMHz

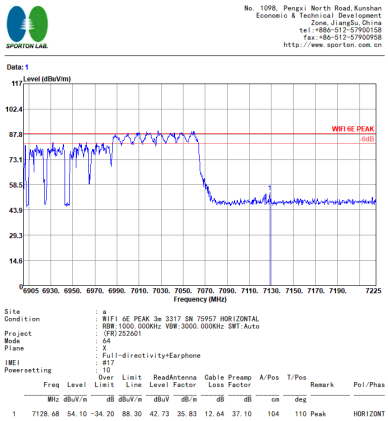
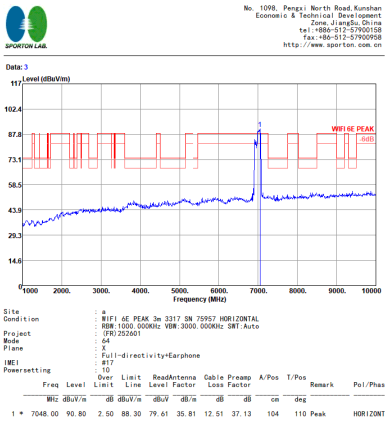
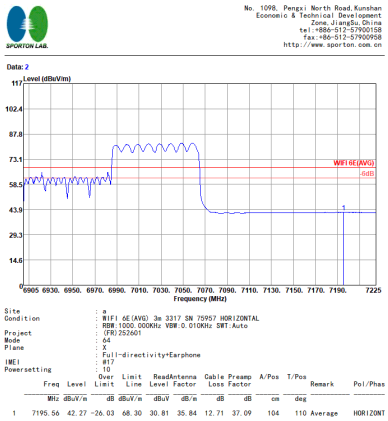
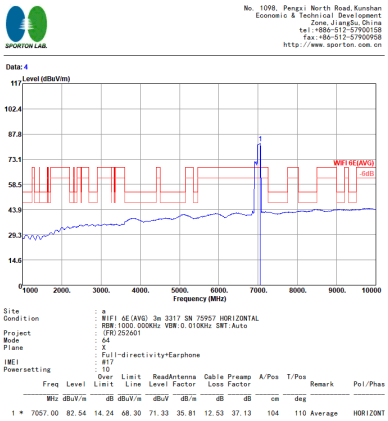
## WIFI 802.11ax HE40 Partial 242 (Band Edge @ 3m)

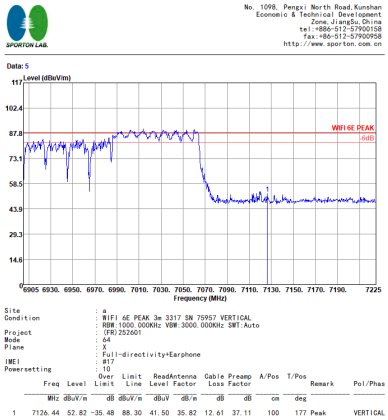
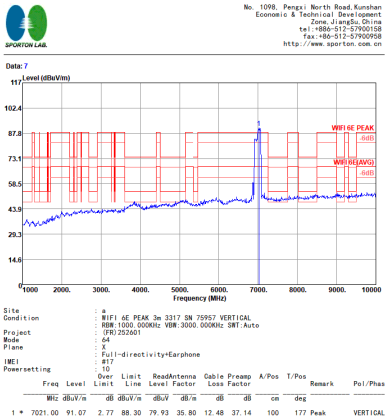
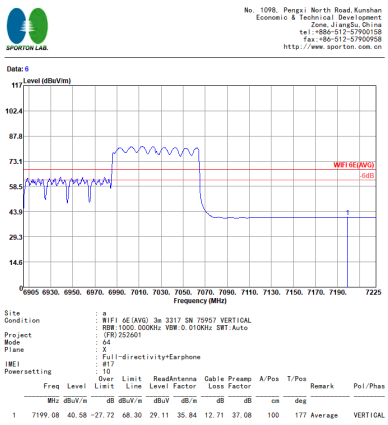
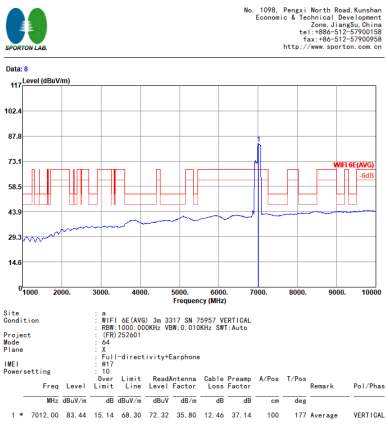
| WIFI | U-NII 8 - 6875-7125MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE40 Partial 242/62 H227 7085MHz | |
| 2+6 | Horizontal | Fundamental |
| Peak |  |  |
| Avg. |  |  |

| WIFI | U-NII 8 - 6875-7125MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE40 Partial 242/62 H227 7085MHz | |
| 2+6 | Vertical | Fundamental |
| Peak |  |  |
| Avg. |  |  |

## U-NII 8 - 6875-7125MHzMHz

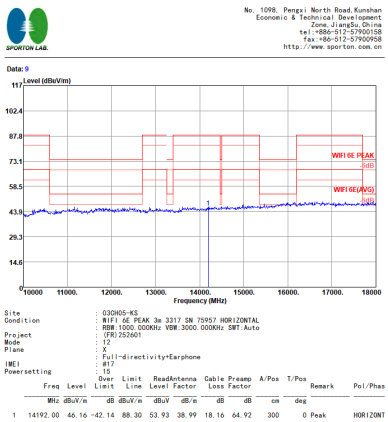
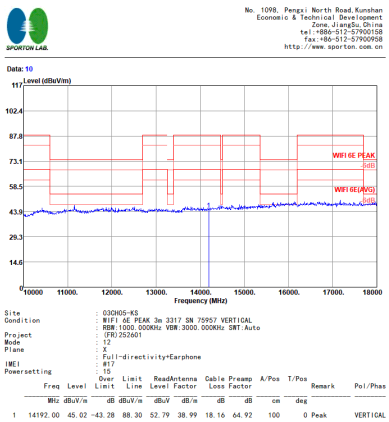
## WIFI 802.11ax HE160 Partial 996 (Band Edge @ 3m)

| WIFI | U-NII 8 - 6875-7125MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE160 Partial 996/S67 CH207 6985MHz | |
| 2+6 | Horizontal | Fundamental |
| Peak |  |  |
| Avg. |  |  |

| WIFI | U-NII 8 - 6875-7125MHz Band Edge @ 3m | |
|---|---|---|
| ANT | 802.11ax HE160 Partial 996/S67 CH207 6985MHz | |
| 2+6 | Vertical | Fundamental |
| Peak |  |  |
| Avg. |  |  |

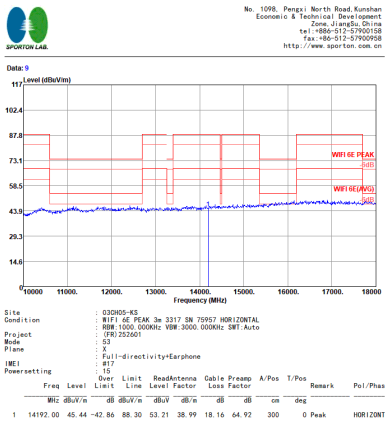
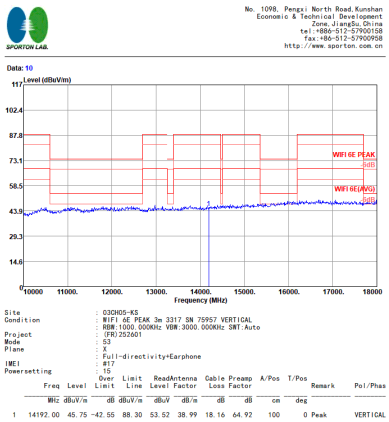
## U-NII 8 - 6875-7125MHzMHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI | U-NII 8 - 6875-7125MHz Harmonic @ 3m | |
|---|---|---|
| ANT | 802.11a CH229 7095 MHz | |
| 2+6 | Horizontal | Vertical |
| Peak<br>Avg. |  |  |

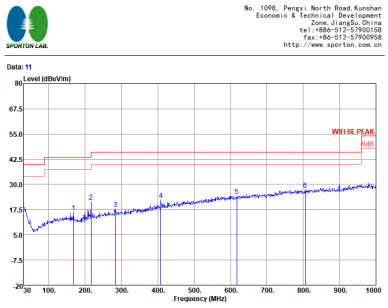
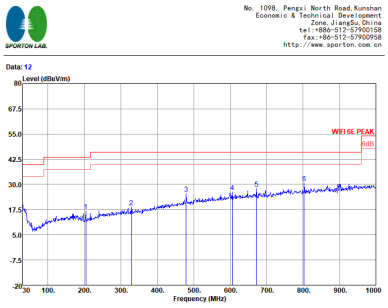
## U-NII 8 - 6875-7125MHz

## WIFI 802.11ax HE20 Full (Harmonic @ 3m)

| WIFI | U-NII 8 - 6875-7125MHz Harmonic @ 3m | |
|---|---|---|
| ANT | 802.11ax HE20 Full CH229 7095 MHz | |
| 2+6 | Horizontal | Vertical |
| Peak<br>Avg. |  |  |

## Emission below 1GHz

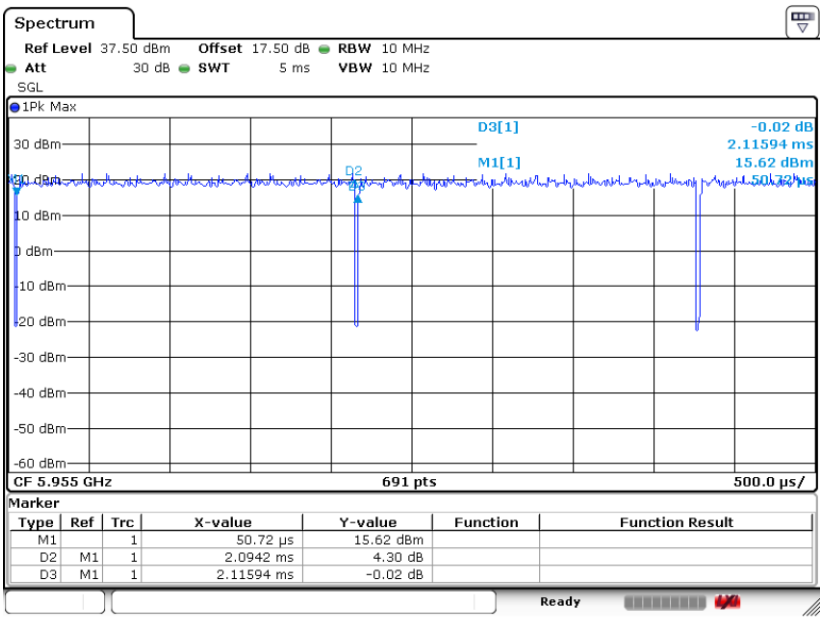
## 5GHz WIFI 802.11ax HE160 Full (LF)

| WIFI | 5GHz WIFI | |
|---|---|---|
| ANT | 802.11ax HE160 Full LF | |
| 2+6 | Horizontal | Vertical |
| QP / Peak |  <br>Site : 03CH05-KS<br>Condition : WIFI 6E PEAK 3m CBL6111D SN23188 HORIZONTAL<br>: RBW:100.000KHz VBW:300.000KHz SWT:Auto<br>Project : (FR)252601<br>Mode : 27<br>Plane : X<br>: Full-directivity+Earphone<br>IMEI : #17<br>Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas<br>MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg<br>1 167.74 16.31 -27.19 43.50 30.17 17.08 1.97 32.91 --- --- Peak HORIZONT<br>2 216.24 21.64 -24.36 46.00 35.19 17.31 2.24 33.10 --- --- Peak HORIZONT<br>3 283.17 17.87 -28.13 46.00 28.34 19.93 2.57 32.97 --- --- Peak HORIZONT<br>4 408.30 22.36 -23.64 46.00 29.20 22.86 3.08 32.78 --- --- Peak HORIZONT<br>5 616.85 24.42 -21.58 46.00 27.57 25.63 3.79 32.57 --- --- Peak HORIZONT<br>6 805.03 27.24 -18.76 46.00 28.49 26.93 4.33 32.51 --- --- Peak HORIZONT |  <br>Site : 03CH05-KS<br>Condition : WIFI 6E PEAK 3m CBL6111D SN23188 VERTICAL<br>: RBW:100.000KHz VBW:300.000KHz SWT:Auto<br>Project : (FR)252601<br>Mode : 27<br>Plane : X<br>: Full-directivity+Earphone<br>IMEI : #17<br>Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas<br>MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg<br>1 203.63 16.90 -26.60 43.50 31.29 16.64 2.17 33.10 --- --- Peak VERTICAL<br>2 328.76 18.59 -27.41 46.00 27.84 20.89 2.76 32.90 --- --- Peak VERTICAL<br>3 479.11 25.33 -20.67 46.00 30.63 24.12 3.34 32.76 --- --- Peak VERTICAL<br>4 606.18 26.24 -19.76 46.00 29.45 25.55 3.76 32.52 --- --- Peak VERTICAL<br>5 672.14 28.04 -17.96 46.00 31.01 25.81 3.96 32.74 --- --- Peak VERTICAL<br>6 803.09 30.82 -15.18 46.00 32.08 26.92 4.33 32.51 --- --- Peak VERTICAL | |

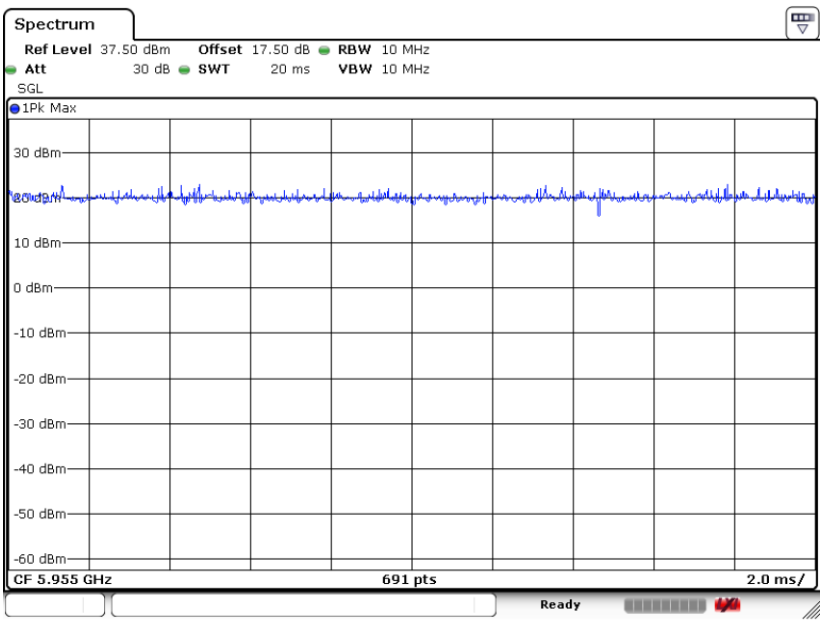
# Appendix E. Duty Cycle Plots

| Antenna | Band | Duty Cycle(%) | T(ms) | 1/T(kHz) | VBW Setting |
|---|---|---|---|---|---|
| 1/2 | 802.11a | 98.97 | - | - | 10Hz |
| 1/2 | 802.11ax HE20-Full RU | 100 | - | - | 10Hz |
| 1/2 | 802.11ax HE20-RU26 | 100 | - | - | 10Hz |
| 1/2 | 802.11ax HE20-RU52 | 100 | - | - | 10Hz |
| 1/2 | 802.11ax HE20-RU106 | 100 | - | - | 10Hz |
| 1/2 | 802.11ax HE40-Full RU | 100 | - | - | 10Hz |
| 1/2 | 802.11ax HE40-RU242 | 100 | - | - | 10Hz |
| 1/2 | 802.11ax HE80-Full RU | 100 | - | - | 10Hz |
| 1/2 | 802.11ax HE80-RU484 | 99.04 | - | - | 10Hz |
| 1/2 | 802.11ax HE160-Full RU | 100 | - | - | 10Hz |
| 1/2 | 802.11ax HE160-RU996 | 98.95 | - | - | 10Hz |

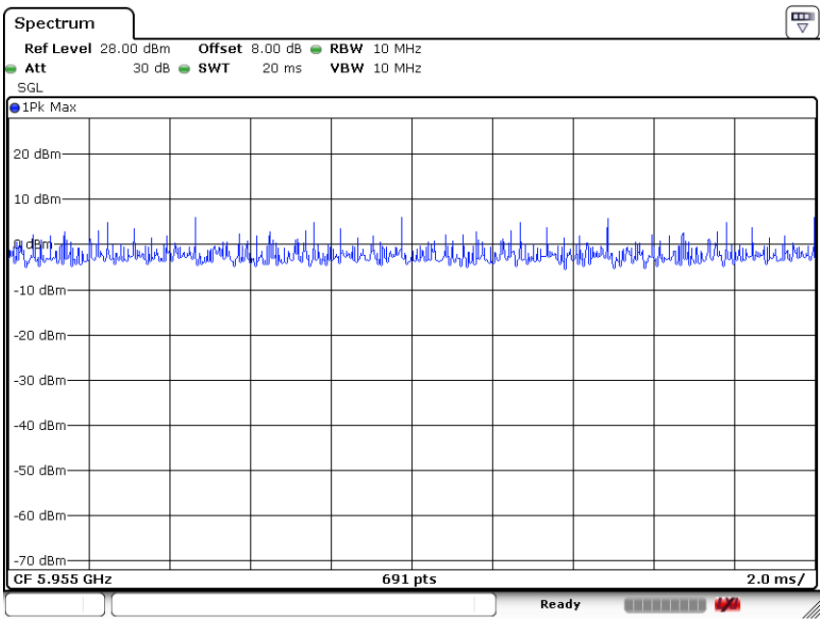
**802.11a**



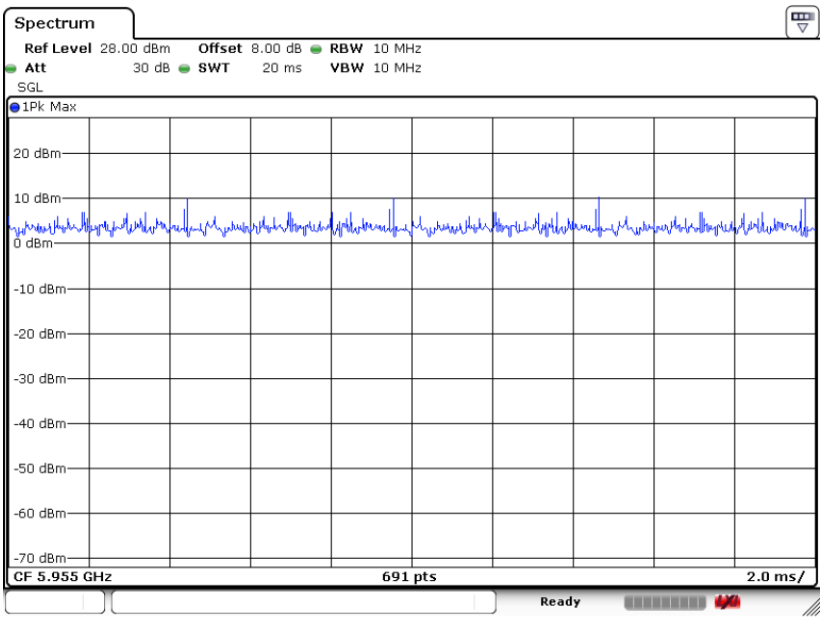

**802.11ax HE20-Full RU**



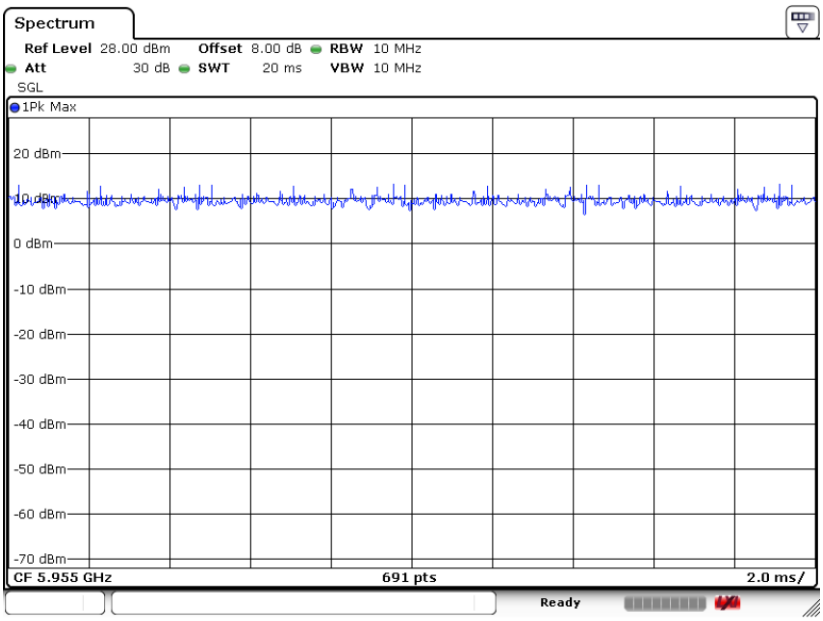
**802.11ax HE20-RU26**



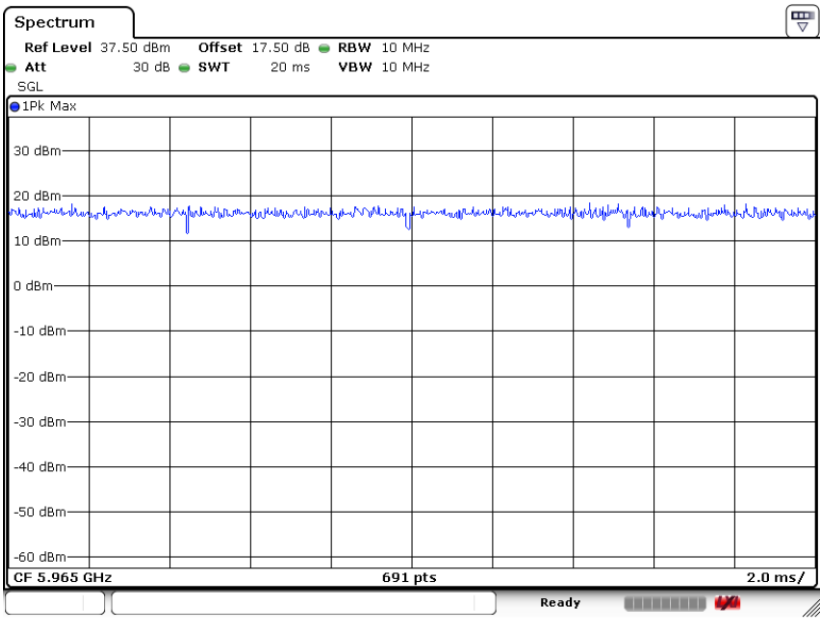

**802.11ax HE20-RU52**



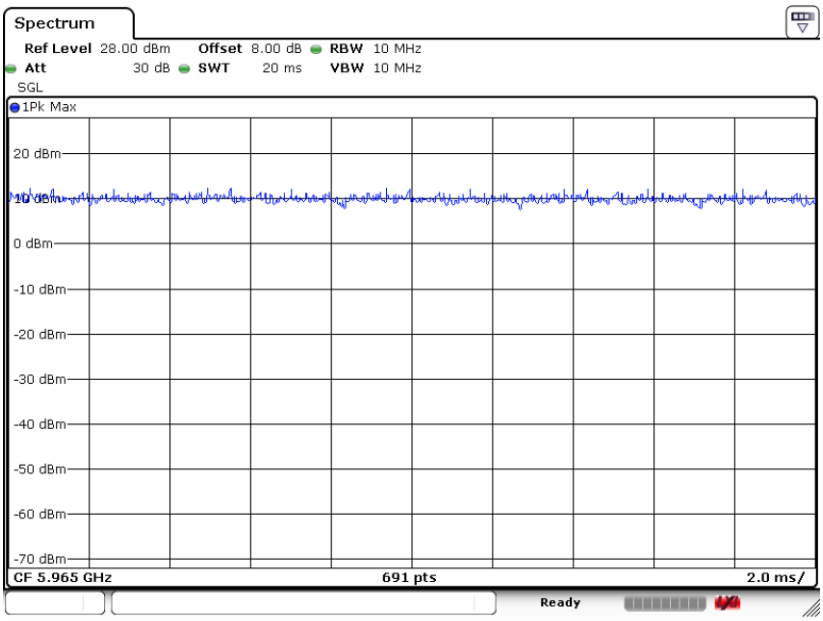
**802.11ax HE20-RU106**



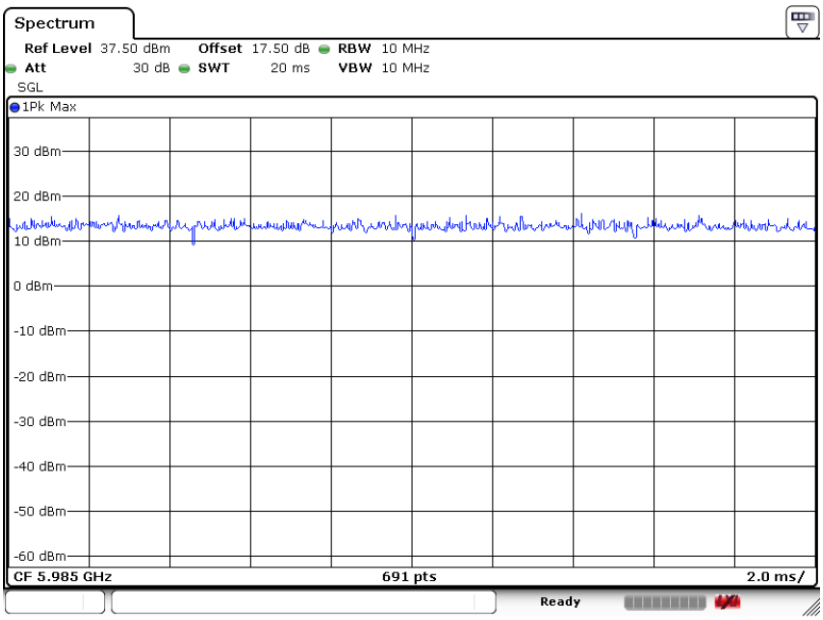

**802.11ax HE40-Full RU**



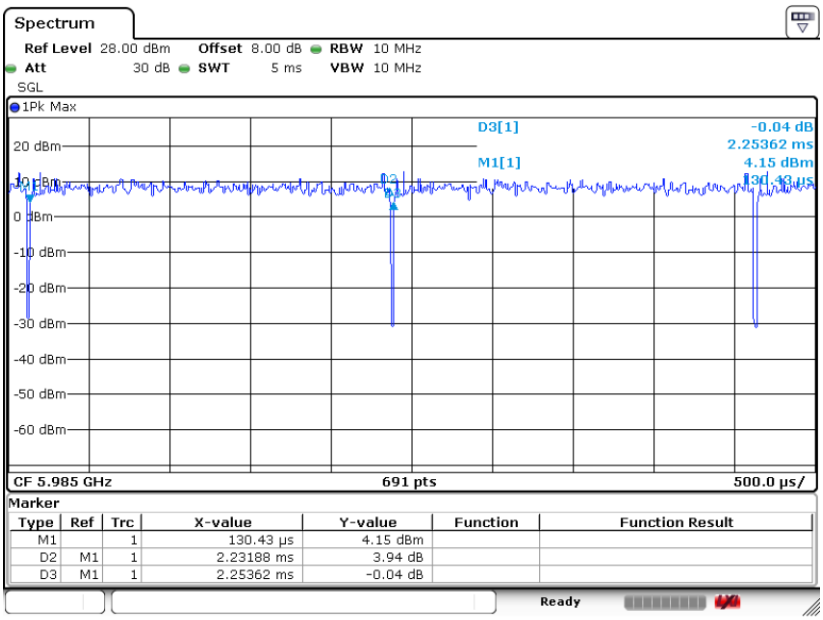
**802.11ax HE40-RU242**

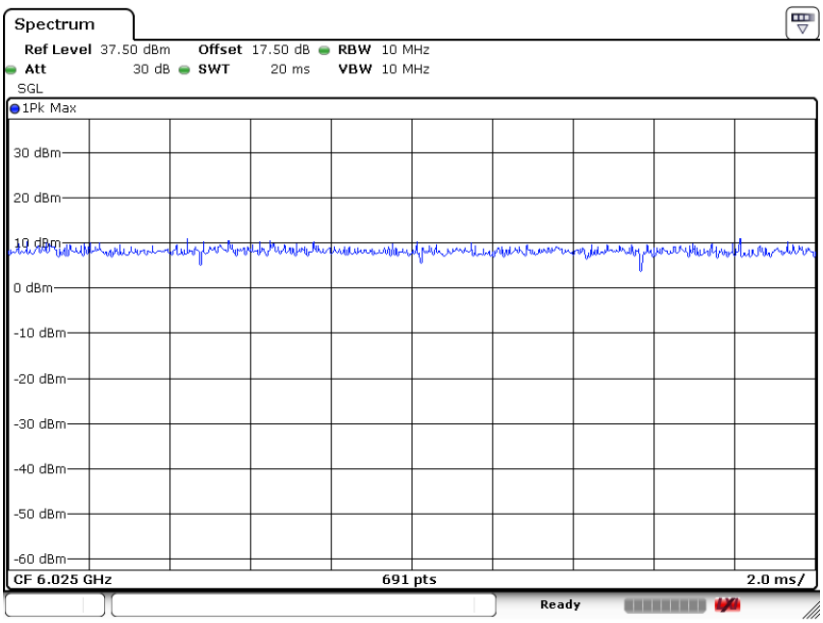



**802.11ax HE80-Full RU**



### 802.11ax HE80-RU484




### 802.11ax HE160-Full RU