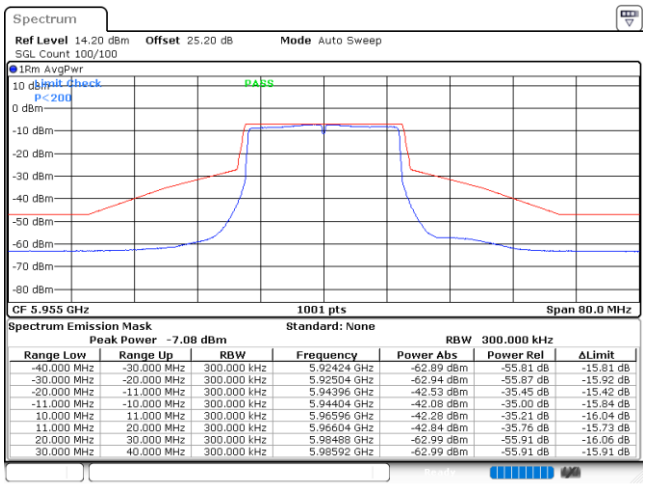
**<Standard Client>**

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

**MIMO <Ant. 9+8(9)>**

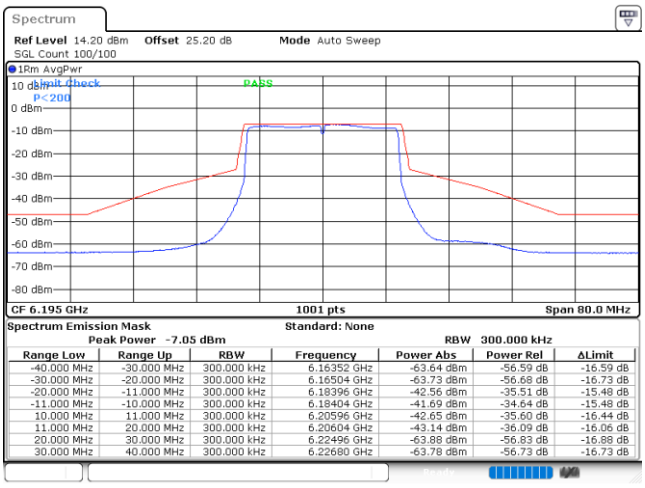
**Plot on Channel 5955MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 5.92424 GHz | -62.89 dBm | -55.81 dB | -15.81 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 5.92504 GHz | -62.94 dBm | -55.87 dB | -15.92 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 5.94396 GHz | -42.53 dBm | -35.45 dB | -15.42 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 5.94404 GHz | -42.08 dBm | -35.00 dB | -15.84 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 5.96596 GHz | -42.28 dBm | -35.21 dB | -16.04 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 5.96604 GHz | -42.84 dBm | -35.76 dB | -15.73 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 5.98488 GHz | -62.99 dBm | -55.91 dB | -16.06 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 5.98592 GHz | -62.99 dBm | -55.91 dB | -15.91 dB |

Date: 28.JAN.2022 11:51:11

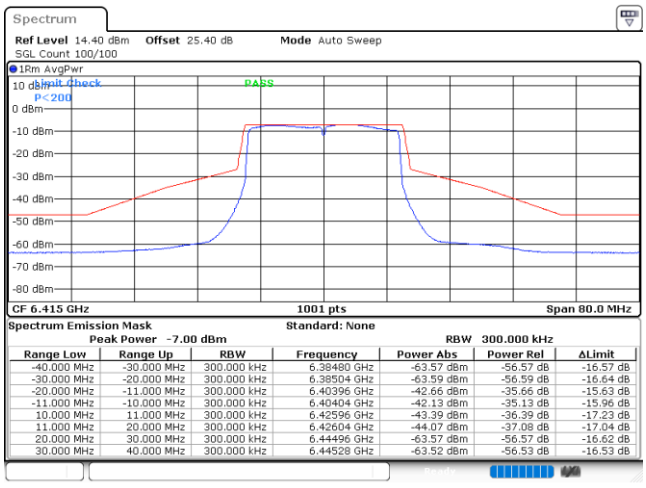
**Plot on Channel 6195MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.16352 GHz | -63.64 dBm | -56.59 dB | -16.59 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.16504 GHz | -63.73 dBm | -56.68 dB | -16.73 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.18396 GHz | -42.56 dBm | -35.51 dB | -15.48 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.18404 GHz | -41.69 dBm | -34.64 dB | -15.48 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.20596 GHz | -42.65 dBm | -35.60 dB | -16.44 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.20604 GHz | -43.14 dBm | -36.09 dB | -16.06 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.22496 GHz | -63.88 dBm | -56.83 dB | -16.88 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.22680 GHz | -63.78 dBm | -56.73 dB | -16.73 dB |

Date: 28.JAN.2022 11:57:11

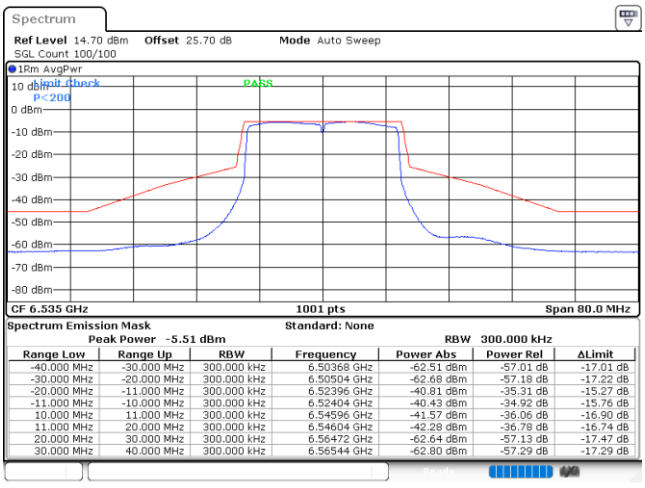
**Plot on Channel 6415MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.38480 GHz | -63.57 dBm | -56.57 dB | -16.57 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.38504 GHz | -63.59 dBm | -56.59 dB | -16.64 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.40396 GHz | -42.66 dBm | -35.66 dB | -15.63 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.40404 GHz | -42.13 dBm | -35.13 dB | -15.96 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.42596 GHz | -43.39 dBm | -36.39 dB | -17.23 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.42604 GHz | -44.07 dBm | -37.08 dB | -17.04 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.44496 GHz | -63.57 dBm | -56.57 dB | -16.62 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.44528 GHz | -63.52 dBm | -56.53 dB | -16.53 dB |

Date: 28.JAN.2022 12:01:50

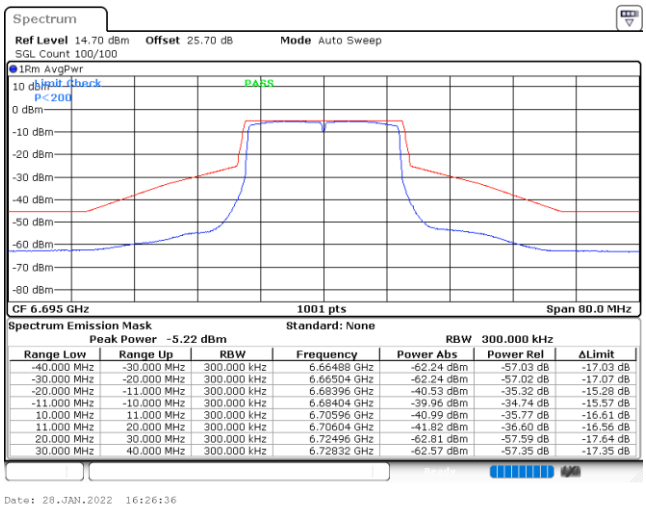
**Plot on Channel 6535MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.50368 GHz | -62.51 dBm | -57.01 dB | -17.01 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.50504 GHz | -62.68 dBm | -57.18 dB | -17.22 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.52396 GHz | -40.81 dBm | -35.31 dB | -15.27 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.52404 GHz | -40.43 dBm | -34.92 dB | -15.76 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.54596 GHz | -41.57 dBm | -36.06 dB | -16.90 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.54604 GHz | -42.28 dBm | -36.78 dB | -16.74 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.56472 GHz | -62.64 dBm | -57.13 dB | -17.47 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.56544 GHz | -62.80 dBm | -57.29 dB | -17.29 dB |

Date: 28.JAN.2022 16:14:38

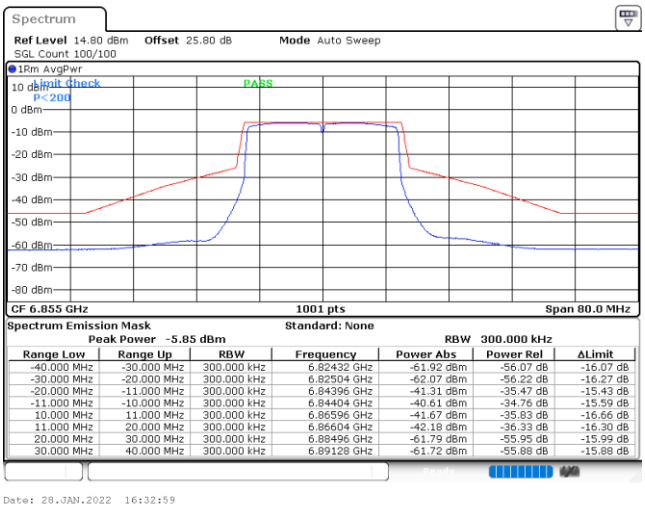
### Plot on Channel 6695MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.66488 GHz | -62.24 dBm | -57.03 dB | -17.03 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.66504 GHz | -62.24 dBm | -57.02 dB | -17.07 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.68396 GHz | -40.53 dBm | -35.32 dB | -15.28 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.68404 GHz | -39.96 dBm | -34.74 dB | -15.57 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.70596 GHz | -40.99 dBm | -35.77 dB | -16.61 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.70604 GHz | -41.82 dBm | -36.60 dB | -16.56 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.72496 GHz | -62.81 dBm | -57.59 dB | -17.64 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.72832 GHz | -62.57 dBm | -57.35 dB | -17.35 dB |

Date: 28.JAN.2022 16:26:36

### Plot on Channel 6855MHz

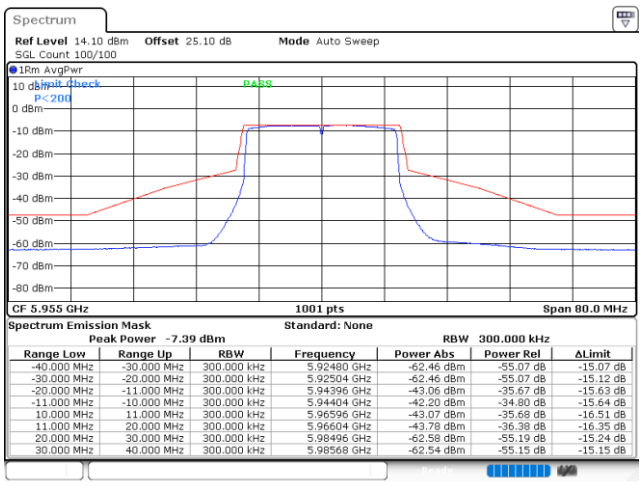



| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.82432 GHz | -61.92 dBm | -56.07 dB | -16.07 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.82504 GHz | -62.07 dBm | -56.22 dB | -16.27 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.84396 GHz | -41.31 dBm | -35.47 dB | -15.43 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.84404 GHz | -40.61 dBm | -34.76 dB | -15.59 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.86596 GHz | -41.67 dBm | -35.83 dB | -16.66 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.86604 GHz | -42.18 dBm | -36.33 dB | -16.30 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.88496 GHz | -61.79 dBm | -55.95 dB | -15.99 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.89128 GHz | -61.72 dBm | -55.88 dB | -15.88 dB |

Date: 28.JAN.2022 16:32:59

## MIMO <Ant. 9+8(8)>

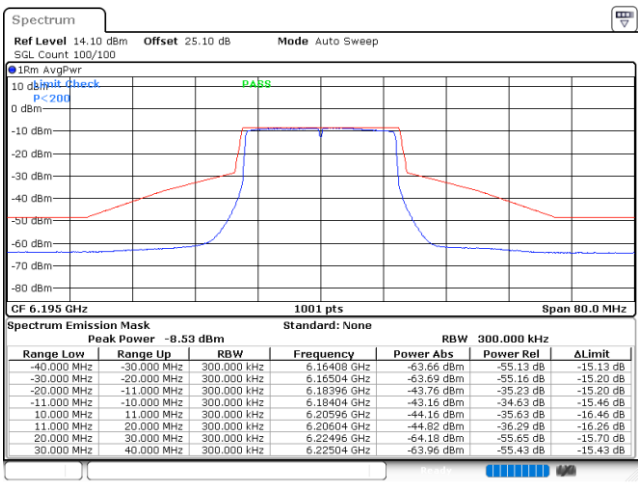
### Plot on Channel 5955MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 5.92480 GHz | -62.46 dBm | -55.07 dB | -15.07 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 5.92504 GHz | -62.46 dBm | -55.07 dB | -15.12 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 5.94396 GHz | -43.06 dBm | -35.67 dB | -15.63 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 5.94404 GHz | -42.20 dBm | -34.80 dB | -15.64 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 5.96596 GHz | -43.07 dBm | -35.68 dB | -16.51 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 5.96604 GHz | -43.78 dBm | -36.38 dB | -16.35 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 5.98496 GHz | -62.58 dBm | -55.19 dB | -15.24 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 5.98568 GHz | -62.54 dBm | -55.15 dB | -15.15 dB |

Date: 28.JAN.2022 11:52:27

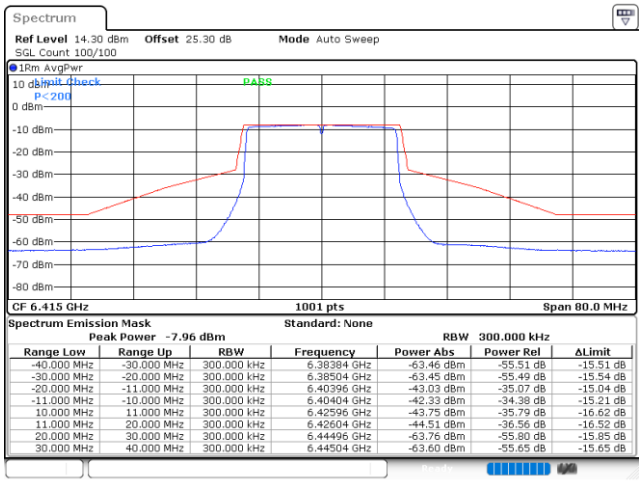
### Plot on Channel 6195MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.16408 GHz | -63.66 dBm | -55.13 dB | -15.13 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.16504 GHz | -63.69 dBm | -55.16 dB | -15.20 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.18396 GHz | -43.76 dBm | -35.23 dB | -15.20 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.18404 GHz | -43.16 dBm | -34.63 dB | -15.46 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.20596 GHz | -44.16 dBm | -35.63 dB | -16.46 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.20604 GHz | -44.82 dBm | -36.29 dB | -16.26 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.22496 GHz | -64.18 dBm | -55.65 dB | -15.70 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.22504 GHz | -63.96 dBm | -55.43 dB | -15.43 dB |

Date: 28.JAN.2022 11:58:16

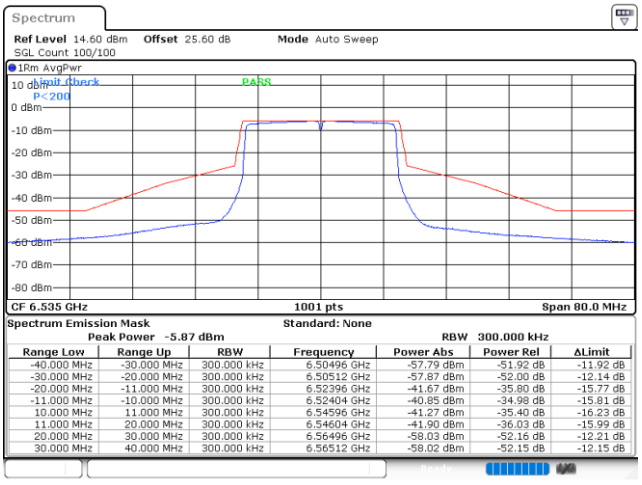
### Plot on Channel 6415MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.38384 GHz | -63.46 dBm | -55.51 dB | -15.51 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.38504 GHz | -63.45 dBm | -55.49 dB | -15.54 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.40396 GHz | -43.03 dBm | -35.07 dB | -15.04 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.40404 GHz | -42.33 dBm | -34.38 dB | -15.21 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.42596 GHz | -43.75 dBm | -35.79 dB | -16.62 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.42604 GHz | -44.51 dBm | -36.56 dB | -16.52 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.44496 GHz | -63.76 dBm | -55.80 dB | -15.85 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.44504 GHz | -63.60 dBm | -55.65 dB | -15.65 dB |

Date: 28.JAN.2022 12:03:03

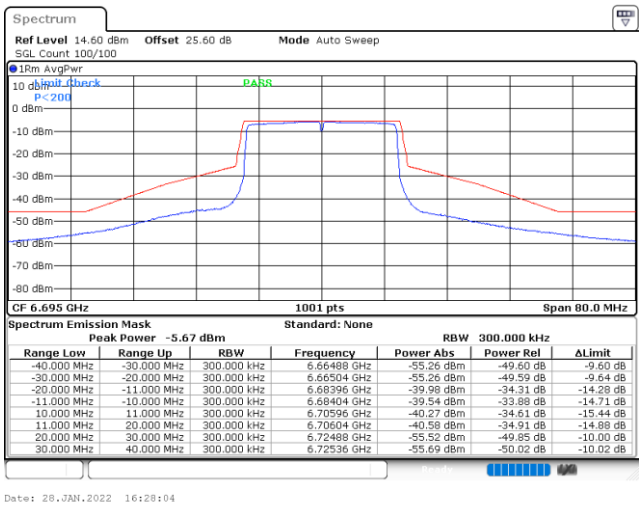
### Plot on Channel 6535MHz



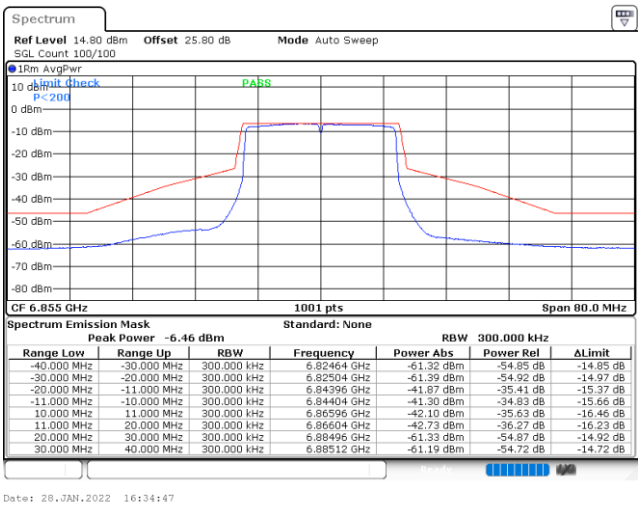

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.50496 GHz | -57.79 dBm | -51.92 dB | -11.92 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.50512 GHz | -57.87 dBm | -52.00 dB | -12.14 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.52396 GHz | -41.67 dBm | -35.80 dB | -15.77 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.52404 GHz | -40.85 dBm | -34.98 dB | -15.81 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.54596 GHz | -41.27 dBm | -35.40 dB | -16.23 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.54604 GHz | -41.90 dBm | -36.03 dB | -15.99 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.56496 GHz | -58.03 dBm | -52.16 dB | -12.21 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.56512 GHz | -58.02 dBm | -52.15 dB | -12.15 dB |

Date: 28.JAN.2022 16:16:19

### Plot on Channel 6695MHz



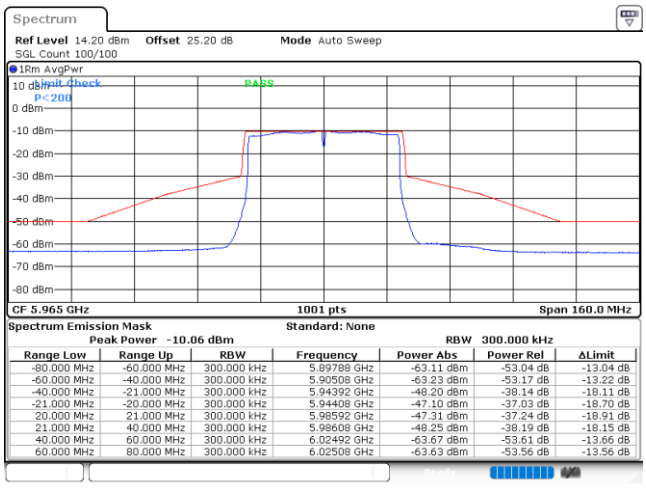

### Plot on Channel 6855MHz



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

**MIMO <Ant. 9+8(9)>**

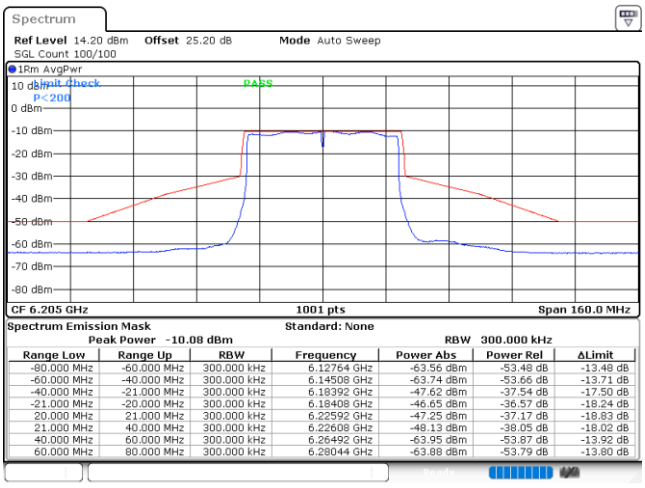
**Plot on Channel 5965MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 5.89788 GHz | -63.11 dBm | -53.04 dB | -13.04 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 5.90508 GHz | -63.23 dBm | -53.17 dB | -13.22 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 5.94392 GHz | -48.20 dBm | -38.14 dB | -18.11 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 5.94408 GHz | -47.10 dBm | -37.03 dB | -18.70 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 5.98592 GHz | -47.31 dBm | -37.24 dB | -18.91 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 5.98608 GHz | -48.25 dBm | -38.19 dB | -18.15 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.02492 GHz | -63.67 dBm | -53.61 dB | -13.66 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.02508 GHz | -63.63 dBm | -53.56 dB | -13.56 dB |

Date: 28.JAN.2022 17:36:41

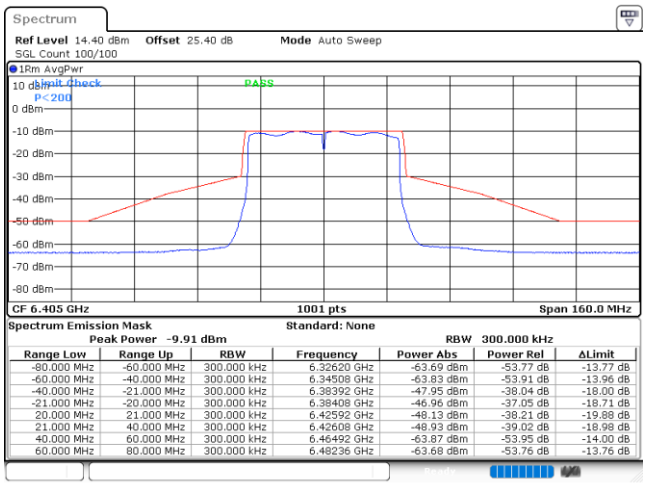
**Plot on Channel 6205MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.12764 GHz | -63.56 dBm | -53.48 dB | -13.48 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.14508 GHz | -63.74 dBm | -53.66 dB | -13.71 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.18392 GHz | -47.62 dBm | -37.54 dB | -17.50 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.18408 GHz | -46.65 dBm | -36.57 dB | -18.24 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.22592 GHz | -47.25 dBm | -37.17 dB | -18.83 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.22608 GHz | -48.13 dBm | -38.05 dB | -18.02 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.26492 GHz | -63.95 dBm | -53.87 dB | -13.92 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.28044 GHz | -63.88 dBm | -53.79 dB | -13.80 dB |

Date: 28.JAN.2022 17:42:48

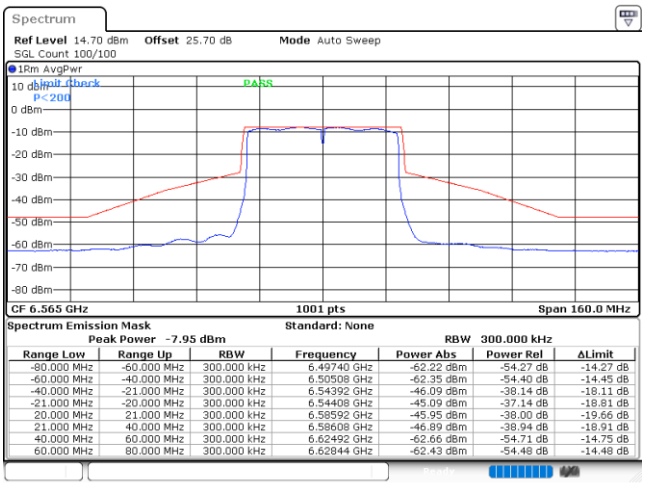
**Plot on Channel 6405MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.32620 GHz | -63.69 dBm | -53.77 dB | -13.77 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.34508 GHz | -63.83 dBm | -53.91 dB | -13.96 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.38392 GHz | -47.95 dBm | -38.04 dB | -18.00 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.38408 GHz | -46.96 dBm | -37.05 dB | -18.71 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.42592 GHz | -48.13 dBm | -38.21 dB | -19.88 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.42608 GHz | -48.93 dBm | -39.02 dB | -18.98 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.46492 GHz | -63.87 dBm | -53.95 dB | -14.00 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.48236 GHz | -63.68 dBm | -53.76 dB | -13.76 dB |

Date: 29.JAN.2022 10:39:09

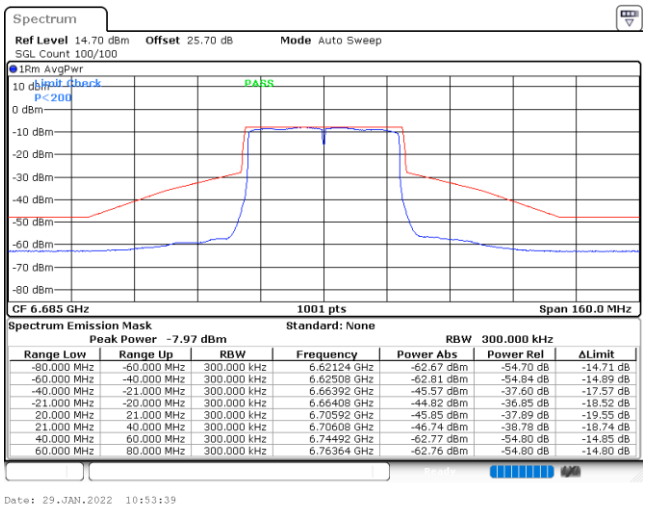
**Plot on Channel 6565MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.49740 GHz | -62.22 dBm | -54.27 dB | -14.27 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.50508 GHz | -62.35 dBm | -54.40 dB | -14.45 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.54392 GHz | -46.09 dBm | -38.14 dB | -18.11 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.54408 GHz | -45.09 dBm | -37.14 dB | -18.81 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.58592 GHz | -45.95 dBm | -38.00 dB | -19.66 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.58608 GHz | -46.89 dBm | -38.94 dB | -18.91 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.62492 GHz | -62.66 dBm | -54.71 dB | -14.75 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.62844 GHz | -62.43 dBm | -54.48 dB | -14.48 dB |

Date: 29.JAN.2022 10:47:48

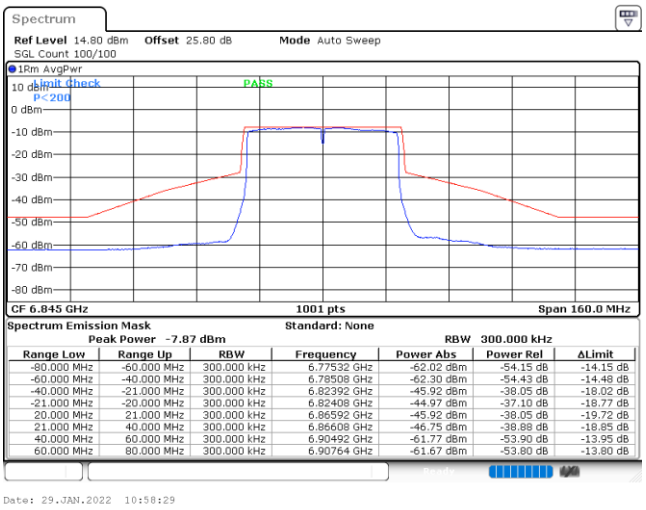
### Plot on Channel 6685MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.62124 GHz | -62.67 dBm | -54.70 dB | -14.71 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.62508 GHz | -62.81 dBm | -54.84 dB | -14.89 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.66392 GHz | -45.57 dBm | -37.60 dB | -17.57 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.66408 GHz | -44.82 dBm | -36.85 dB | -18.52 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.70592 GHz | -45.85 dBm | -37.89 dB | -19.55 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.70608 GHz | -46.74 dBm | -38.78 dB | -18.74 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.74492 GHz | -62.77 dBm | -54.80 dB | -14.85 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.76364 GHz | -62.76 dBm | -54.80 dB | -14.80 dB |

Date: 29.JAN.2022 10:53:39

### Plot on Channel 6845MHz

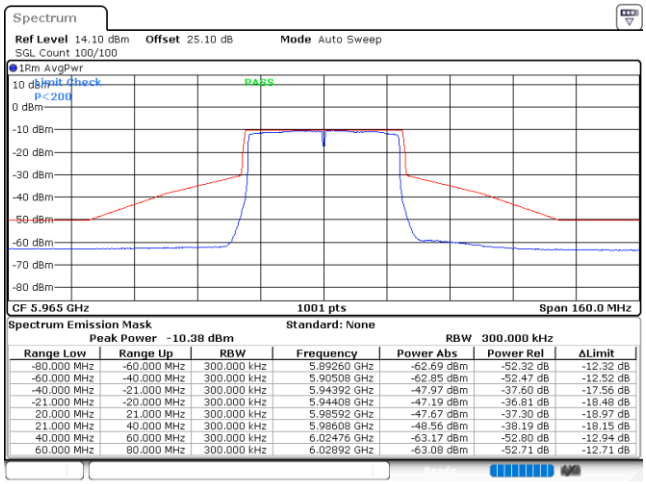



| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.77532 GHz | -62.02 dBm | -54.15 dB | -14.15 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.78508 GHz | -62.30 dBm | -54.43 dB | -14.48 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.82392 GHz | -45.92 dBm | -38.05 dB | -18.02 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.82408 GHz | -44.97 dBm | -37.10 dB | -18.77 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.86592 GHz | -45.92 dBm | -38.05 dB | -19.72 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.86608 GHz | -46.75 dBm | -38.88 dB | -18.85 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.90492 GHz | -61.77 dBm | -53.90 dB | -13.95 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.90764 GHz | -61.67 dBm | -53.80 dB | -13.80 dB |

Date: 29.JAN.2022 10:58:29

**MIMO <Ant. 9+8(8)>**

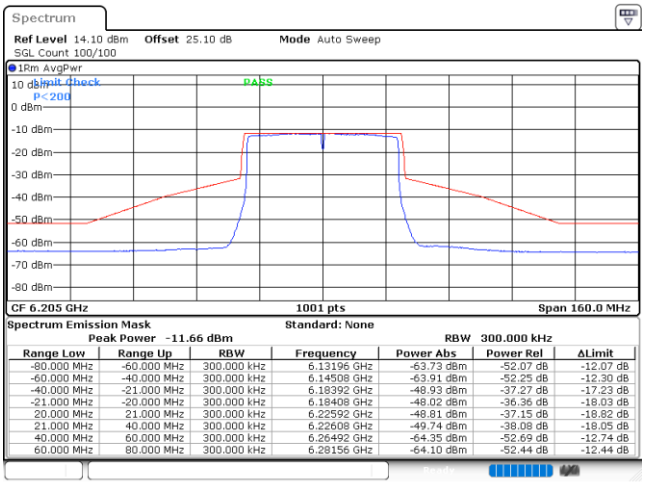
**Plot on Channel 5965MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 5.89260 GHz | -62.69 dBm | -52.32 dB | -12.32 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 5.90508 GHz | -62.85 dBm | -52.47 dB | -12.52 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 5.94392 GHz | -47.97 dBm | -37.60 dB | -17.56 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 5.94408 GHz | -47.19 dBm | -36.81 dB | -18.48 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 5.98592 GHz | -47.67 dBm | -37.30 dB | -18.97 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 5.98608 GHz | -48.56 dBm | -38.19 dB | -18.15 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.02476 GHz | -63.17 dBm | -52.80 dB | -12.94 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.02892 GHz | -63.08 dBm | -52.71 dB | -12.71 dB |

Date: 28.JAN.2022 17:38:03

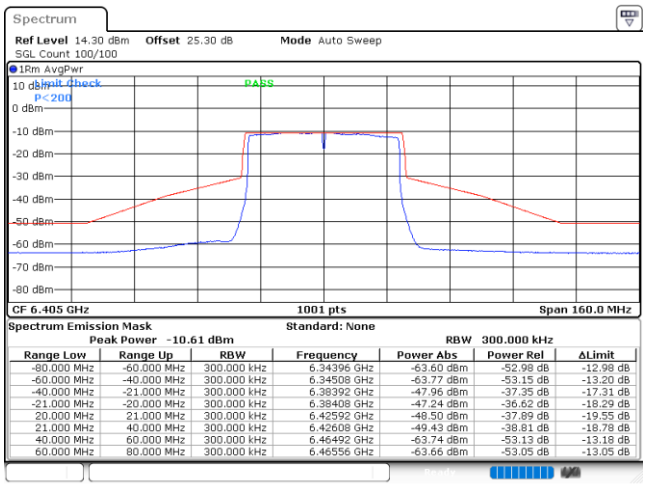
**Plot on Channel 6205MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.13196 GHz | -63.73 dBm | -52.07 dB | -12.07 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.14508 GHz | -63.91 dBm | -52.25 dB | -12.30 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.18392 GHz | -48.93 dBm | -37.27 dB | -17.23 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.18408 GHz | -48.02 dBm | -36.36 dB | -18.03 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.22592 GHz | -48.81 dBm | -37.15 dB | -18.82 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.22608 GHz | -49.74 dBm | -38.08 dB | -18.05 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.26492 GHz | -64.35 dBm | -52.69 dB | -12.74 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.28156 GHz | -64.10 dBm | -52.44 dB | -12.44 dB |

Date: 28.JAN.2022 17:43:55

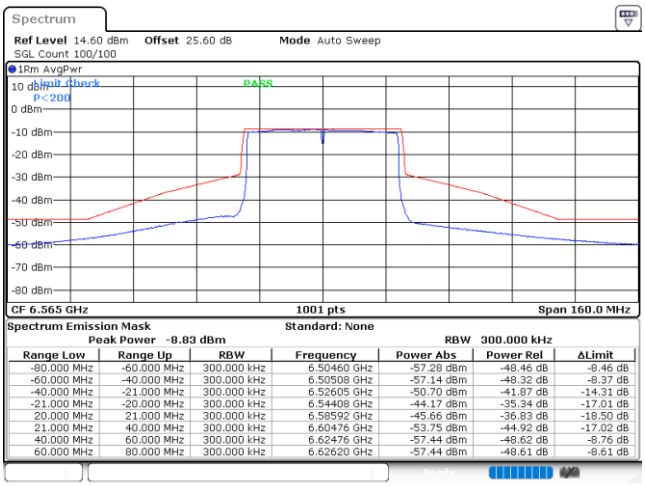
**Plot on Channel 6405MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.34396 GHz | -63.60 dBm | -52.98 dB | -12.98 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.34508 GHz | -63.77 dBm | -53.15 dB | -13.20 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.38392 GHz | -47.96 dBm | -37.35 dB | -17.31 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.38408 GHz | -47.24 dBm | -36.62 dB | -18.29 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.42592 GHz | -48.50 dBm | -37.89 dB | -19.55 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.42608 GHz | -49.43 dBm | -38.81 dB | -18.78 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.46492 GHz | -63.74 dBm | -53.13 dB | -13.18 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.46556 GHz | -63.66 dBm | -53.05 dB | -13.05 dB |

Date: 29.JAN.2022 10:40:18

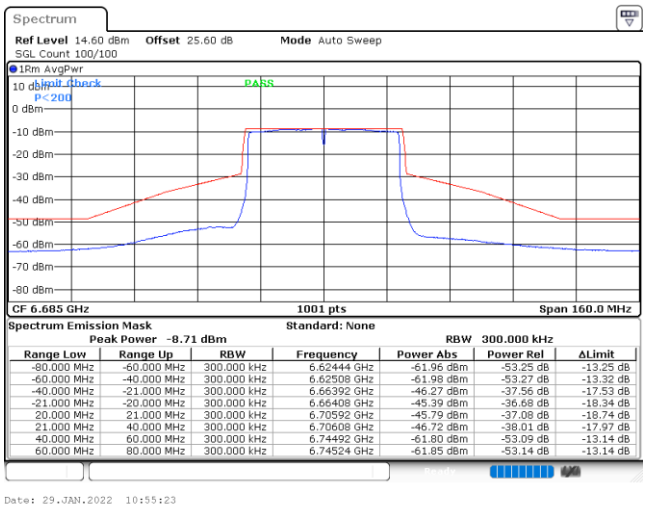
**Plot on Channel 6565MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.50460 GHz | -57.28 dBm | -48.46 dB | -8.46 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.50508 GHz | -57.14 dBm | -48.32 dB | -8.37 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.52605 GHz | -50.70 dBm | -41.87 dB | -14.31 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.54408 GHz | -44.17 dBm | -35.34 dB | -17.01 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.58592 GHz | -45.66 dBm | -36.83 dB | -18.50 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.60476 GHz | -53.75 dBm | -44.92 dB | -17.02 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.62476 GHz | -57.44 dBm | -48.62 dB | -8.76 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.62620 GHz | -57.44 dBm | -48.61 dB | -8.61 dB |

Date: 29.JAN.2022 10:48:49

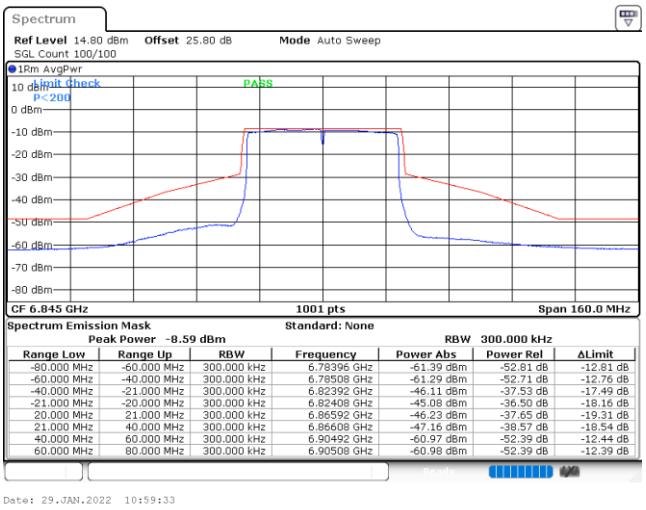
### Plot on Channel 6685MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.62444 GHz | -61.96 dBm | -53.25 dB | -13.25 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.62508 GHz | -61.98 dBm | -53.27 dB | -13.32 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.66392 GHz | -46.27 dBm | -37.56 dB | -17.53 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.66408 GHz | -45.39 dBm | -36.68 dB | -18.34 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.70592 GHz | -45.79 dBm | -37.08 dB | -18.74 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.70608 GHz | -46.72 dBm | -38.01 dB | -17.97 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.74492 GHz | -61.80 dBm | -53.09 dB | -13.14 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.74524 GHz | -61.85 dBm | -53.14 dB | -13.14 dB |

Date: 29.JAN.2022 10:55:23

### Plot on Channel 6845MHz



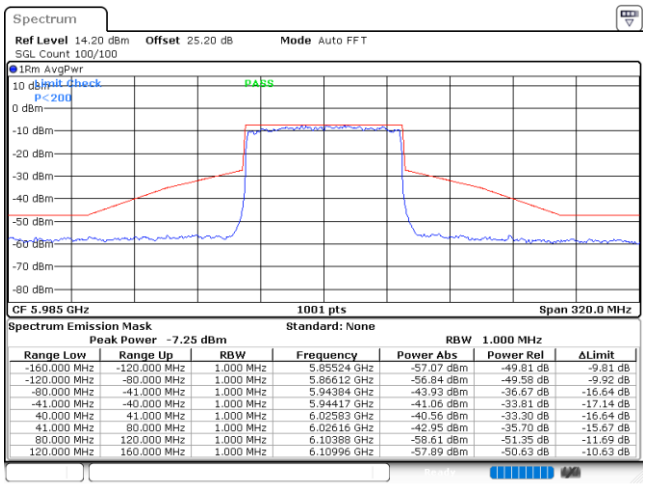

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -80.000 MHz | -60.000 MHz | 300.000 kHz | 6.78396 GHz | -61.39 dBm | -52.81 dB | -12.81 dB |
| -60.000 MHz | -40.000 MHz | 300.000 kHz | 6.78508 GHz | -61.29 dBm | -52.71 dB | -12.76 dB |
| -40.000 MHz | -21.000 MHz | 300.000 kHz | 6.82392 GHz | -46.11 dBm | -37.53 dB | -17.49 dB |
| -21.000 MHz | -20.000 MHz | 300.000 kHz | 6.82408 GHz | -45.08 dBm | -36.50 dB | -18.16 dB |
| 20.000 MHz | 21.000 MHz | 300.000 kHz | 6.86592 GHz | -46.23 dBm | -37.65 dB | -19.31 dB |
| 21.000 MHz | 40.000 MHz | 300.000 kHz | 6.86608 GHz | -47.16 dBm | -38.57 dB | -18.54 dB |
| 40.000 MHz | 60.000 MHz | 300.000 kHz | 6.90492 GHz | -60.97 dBm | -52.39 dB | -12.44 dB |
| 60.000 MHz | 80.000 MHz | 300.000 kHz | 6.90508 GHz | -60.98 dBm | -52.39 dB | -12.39 dB |

Date: 29.JAN.2022 10:59:33

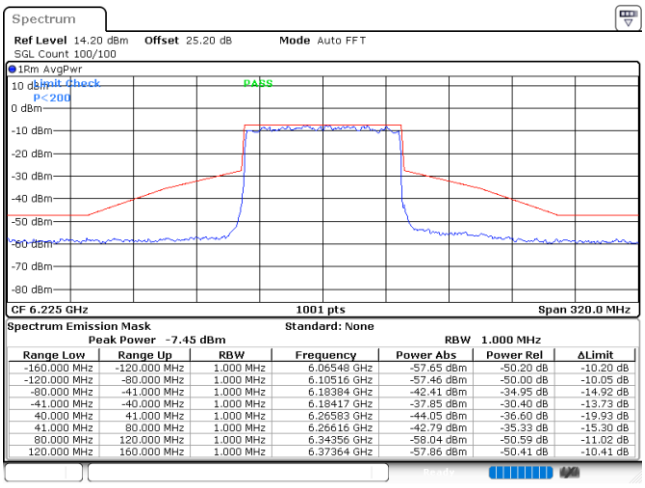
| EUT Mode : | 802.11ax HE80 |
|---|---|

**MIMO <Ant. 9+8(9)>**

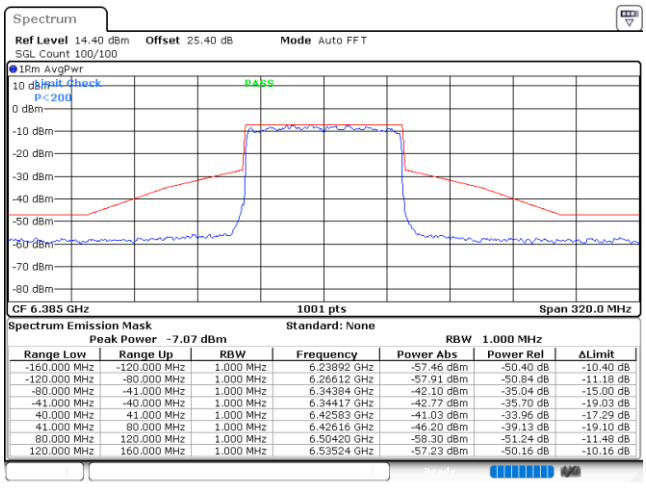
**Plot on Channel 5985MHz**



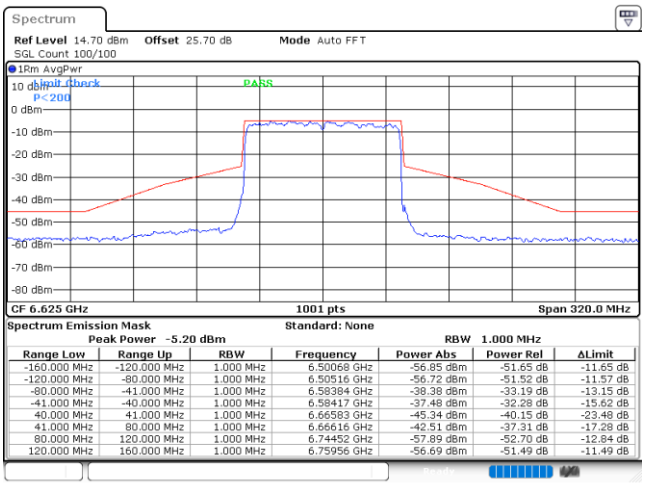

**Plot on Channel 6225MHz**



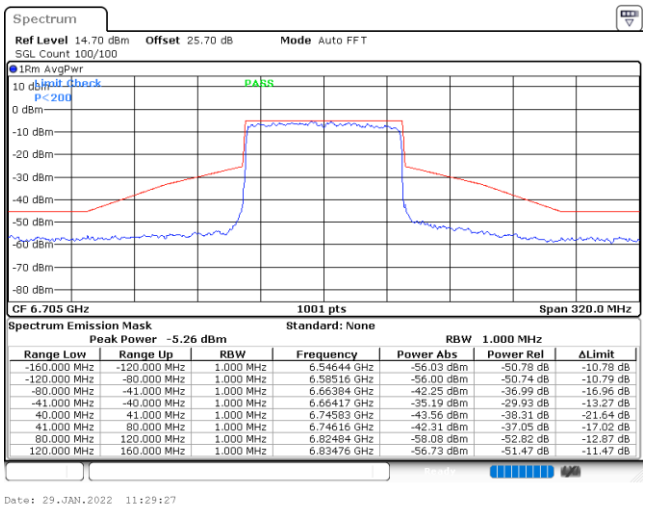

**Plot on Channel 6385MHz**




**Plot on Channel 6625MHz**



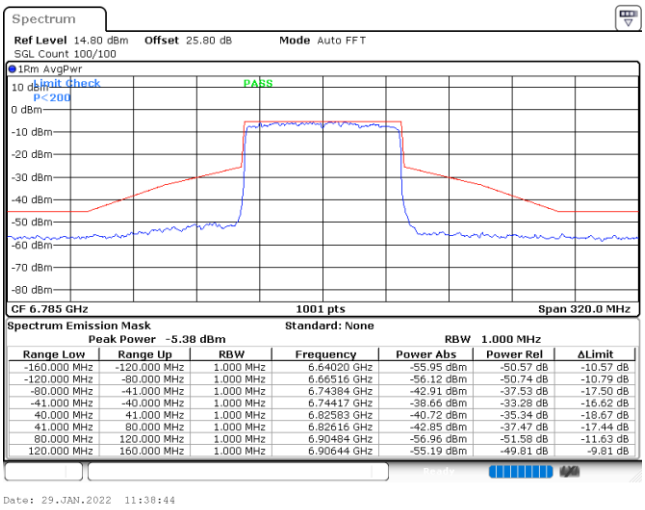
### Plot on Channel 6705MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -160.000 MHz | -120.000 MHz | 1.000 MHz | 6.54644 GHz | -56.03 dBm | -50.78 dB | -10.78 dB |
| -120.000 MHz | -80.000 MHz | 1.000 MHz | 6.58516 GHz | -56.00 dBm | -50.74 dB | -10.79 dB |
| -80.000 MHz | -41.000 MHz | 1.000 MHz | 6.66384 GHz | -42.25 dBm | -36.99 dB | -16.96 dB |
| -41.000 MHz | -40.000 MHz | 1.000 MHz | 6.66417 GHz | -35.19 dBm | -29.93 dB | -13.27 dB |
| 40.000 MHz | 41.000 MHz | 1.000 MHz | 6.74583 GHz | -43.56 dBm | -38.31 dB | -21.64 dB |
| 41.000 MHz | 80.000 MHz | 1.000 MHz | 6.74616 GHz | -42.31 dBm | -37.05 dB | -17.02 dB |
| 80.000 MHz | 120.000 MHz | 1.000 MHz | 6.82484 GHz | -58.08 dBm | -52.82 dB | -12.87 dB |
| 120.000 MHz | 160.000 MHz | 1.000 MHz | 6.83476 GHz | -56.73 dBm | -51.47 dB | -11.47 dB |

Date: 29.JAN.2022 11:29:27

### Plot on Channel 6785MHz

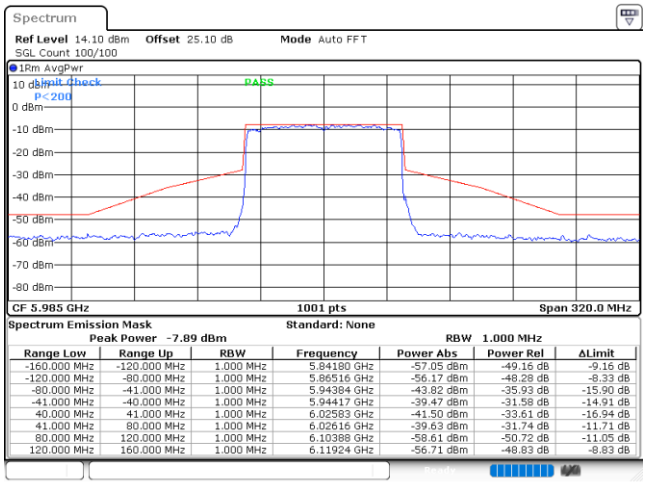



| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -160.000 MHz | -120.000 MHz | 1.000 MHz | 6.64020 GHz | -55.95 dBm | -50.57 dB | -10.57 dB |
| -120.000 MHz | -80.000 MHz | 1.000 MHz | 6.66516 GHz | -56.12 dBm | -50.74 dB | -10.79 dB |
| -80.000 MHz | -41.000 MHz | 1.000 MHz | 6.74384 GHz | -42.91 dBm | -37.53 dB | -17.50 dB |
| -41.000 MHz | -40.000 MHz | 1.000 MHz | 6.74417 GHz | -38.66 dBm | -33.28 dB | -16.62 dB |
| 40.000 MHz | 41.000 MHz | 1.000 MHz | 6.82583 GHz | -40.72 dBm | -35.34 dB | -18.67 dB |
| 41.000 MHz | 80.000 MHz | 1.000 MHz | 6.82616 GHz | -42.85 dBm | -37.47 dB | -17.44 dB |
| 80.000 MHz | 120.000 MHz | 1.000 MHz | 6.90484 GHz | -56.96 dBm | -51.58 dB | -11.63 dB |
| 120.000 MHz | 160.000 MHz | 1.000 MHz | 6.90644 GHz | -55.19 dBm | -49.81 dB | -9.81 dB |

Date: 29.JAN.2022 11:38:44

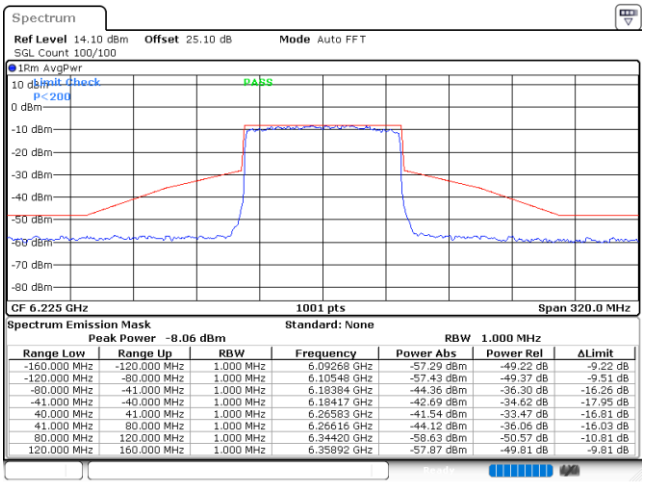
**MIMO <Ant. 9+8(8)>**

**Plot on Channel 5985MHz**



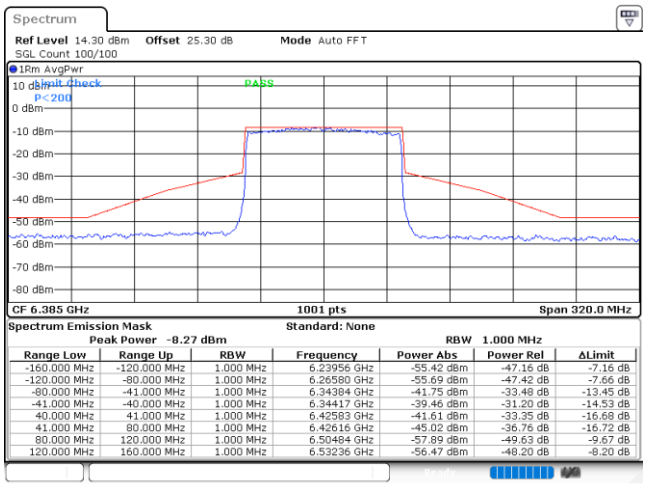

Date: 29.JAN.2022 11:06:12

**Plot on Channel 6225MHz**



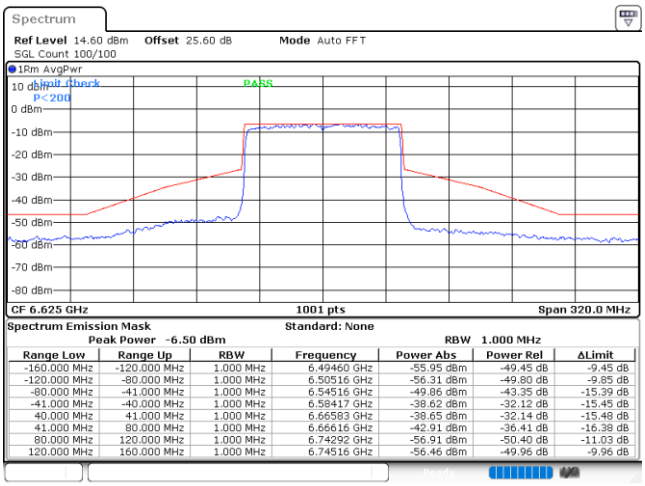

Date: 29.JAN.2022 11:11:17

**Plot on Channel 6385MHz**



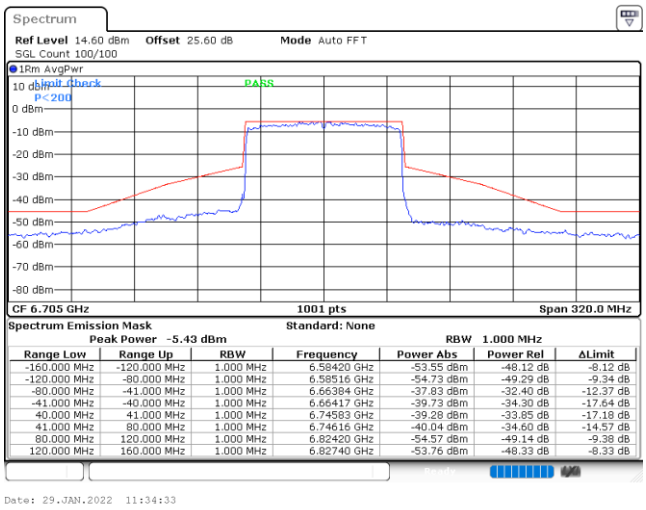

Date: 29.JAN.2022 11:17:44

**Plot on Channel 6625MHz**




Date: 29.JAN.2022 11:23:35

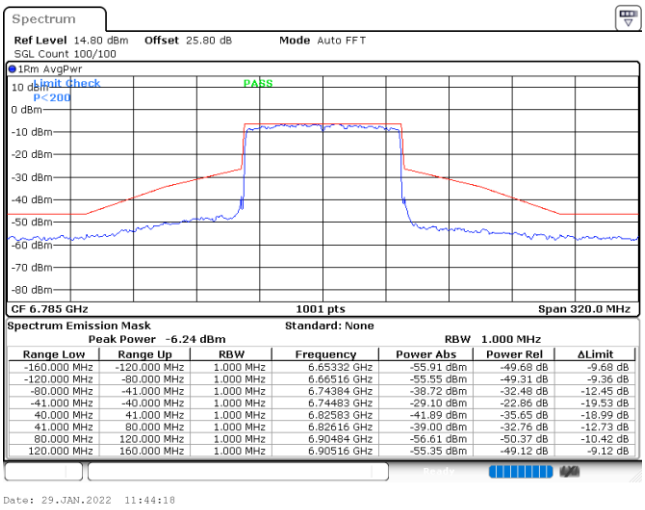
### Plot on Channel 6705MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -160.000 MHz | -120.000 MHz | 1.000 MHz | 6.58420 GHz | -53.55 dBm | -48.12 dB | -8.12 dB |
| -120.000 MHz | -80.000 MHz | 1.000 MHz | 6.58516 GHz | -54.73 dBm | -49.29 dB | -9.34 dB |
| -80.000 MHz | -41.000 MHz | 1.000 MHz | 6.66384 GHz | -37.83 dBm | -32.40 dB | -12.37 dB |
| -41.000 MHz | -40.000 MHz | 1.000 MHz | 6.66417 GHz | -39.73 dBm | -34.30 dB | -17.64 dB |
| 40.000 MHz | 41.000 MHz | 1.000 MHz | 6.74583 GHz | -39.28 dBm | -33.85 dB | -17.18 dB |
| 41.000 MHz | 80.000 MHz | 1.000 MHz | 6.74616 GHz | -40.04 dBm | -34.60 dB | -14.57 dB |
| 80.000 MHz | 120.000 MHz | 1.000 MHz | 6.82420 GHz | -54.57 dBm | -49.14 dB | -9.38 dB |
| 120.000 MHz | 160.000 MHz | 1.000 MHz | 6.82740 GHz | -53.76 dBm | -48.33 dB | -8.33 dB |

Date: 29.JAN.2022 11:34:33

### Plot on Channel 6785MHz



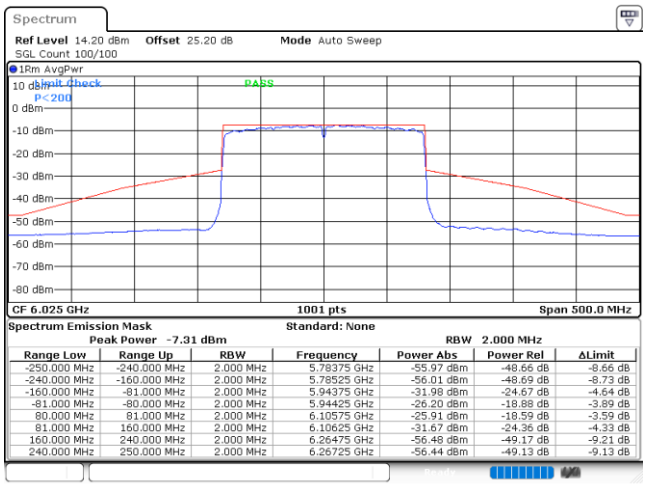

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -160.000 MHz | -120.000 MHz | 1.000 MHz | 6.65332 GHz | -55.91 dBm | -49.68 dB | -9.68 dB |
| -120.000 MHz | -80.000 MHz | 1.000 MHz | 6.66516 GHz | -55.55 dBm | -49.31 dB | -9.36 dB |
| -80.000 MHz | -41.000 MHz | 1.000 MHz | 6.74384 GHz | -38.72 dBm | -32.48 dB | -12.45 dB |
| -41.000 MHz | -40.000 MHz | 1.000 MHz | 6.74483 GHz | -29.10 dBm | -22.86 dB | -19.53 dB |
| 40.000 MHz | 41.000 MHz | 1.000 MHz | 6.82583 GHz | -41.89 dBm | -35.65 dB | -18.99 dB |
| 41.000 MHz | 80.000 MHz | 1.000 MHz | 6.82616 GHz | -39.00 dBm | -32.76 dB | -12.73 dB |
| 80.000 MHz | 120.000 MHz | 1.000 MHz | 6.90484 GHz | -56.61 dBm | -50.37 dB | -10.42 dB |
| 120.000 MHz | 160.000 MHz | 1.000 MHz | 6.90516 GHz | -55.35 dBm | -49.12 dB | -9.12 dB |

Date: 29.JAN.2022 11:44:18

| EUT Mode : | 802.11ax HE160 |
|---|---|

**MIMO <Ant. 9+8(9)>**

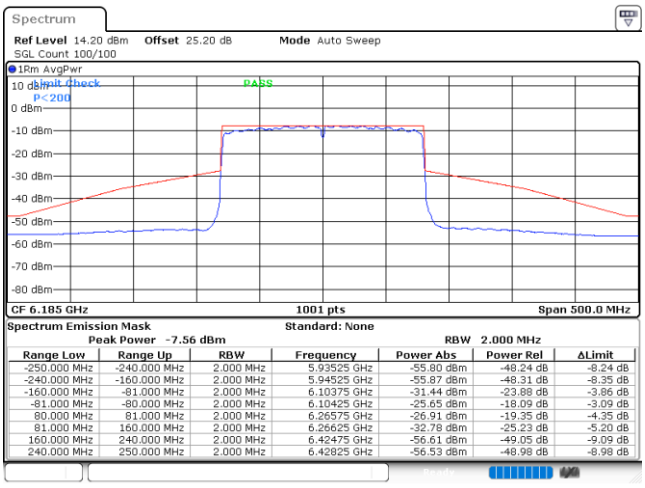
**Plot on Channel 6025MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -250.000 MHz | -240.000 MHz | 2.000 MHz | 5.78375 GHz | -55.97 dBm | -48.66 dB | -8.66 dB |
| -240.000 MHz | -160.000 MHz | 2.000 MHz | 5.78525 GHz | -56.01 dBm | -48.69 dB | -8.73 dB |
| -160.000 MHz | -81.000 MHz | 2.000 MHz | 5.94375 GHz | -31.98 dBm | -24.67 dB | -4.64 dB |
| -81.000 MHz | -80.000 MHz | 2.000 MHz | 5.94425 GHz | -26.20 dBm | -18.88 dB | -3.89 dB |
| 80.000 MHz | 81.000 MHz | 2.000 MHz | 6.10575 GHz | -25.91 dBm | -18.59 dB | -3.59 dB |
| 81.000 MHz | 160.000 MHz | 2.000 MHz | 6.10625 GHz | -31.67 dBm | -24.36 dB | -4.33 dB |
| 160.000 MHz | 240.000 MHz | 2.000 MHz | 6.26475 GHz | -56.48 dBm | -49.17 dB | -9.21 dB |
| 240.000 MHz | 250.000 MHz | 2.000 MHz | 6.26725 GHz | -56.44 dBm | -49.13 dB | -9.13 dB |

Date: 29.JAN.2022 12:14:47

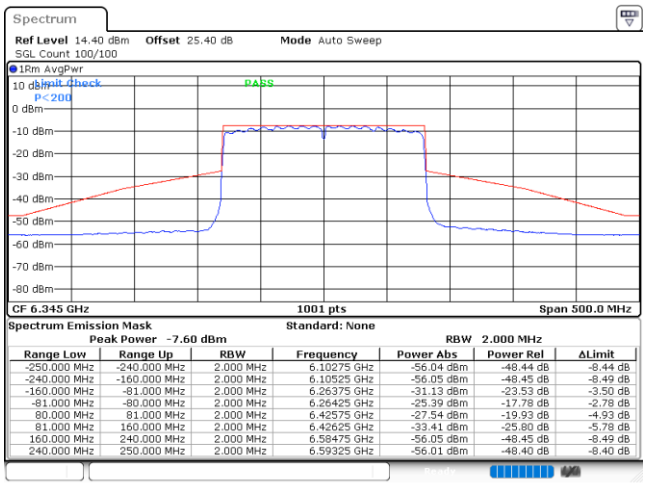
**Plot on Channel 6185MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -250.000 MHz | -240.000 MHz | 2.000 MHz | 5.93525 GHz | -55.80 dBm | -48.24 dB | -8.24 dB |
| -240.000 MHz | -160.000 MHz | 2.000 MHz | 5.94525 GHz | -55.87 dBm | -48.31 dB | -8.35 dB |
| -160.000 MHz | -81.000 MHz | 2.000 MHz | 6.10375 GHz | -31.44 dBm | -23.88 dB | -3.86 dB |
| -81.000 MHz | -80.000 MHz | 2.000 MHz | 6.10425 GHz | -25.65 dBm | -18.09 dB | -3.09 dB |
| 80.000 MHz | 81.000 MHz | 2.000 MHz | 6.26575 GHz | -26.91 dBm | -19.35 dB | -4.35 dB |
| 81.000 MHz | 160.000 MHz | 2.000 MHz | 6.26625 GHz | -32.78 dBm | -25.23 dB | -5.20 dB |
| 160.000 MHz | 240.000 MHz | 2.000 MHz | 6.42475 GHz | -56.61 dBm | -49.05 dB | -9.09 dB |
| 240.000 MHz | 250.000 MHz | 2.000 MHz | 6.42825 GHz | -56.53 dBm | -48.98 dB | -8.98 dB |

Date: 29.JAN.2022 12:24:48

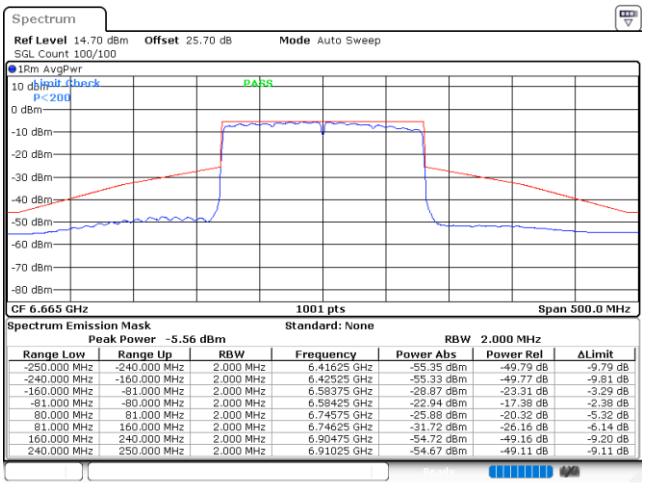
**Plot on Channel 6345MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -250.000 MHz | -240.000 MHz | 2.000 MHz | 6.10275 GHz | -56.04 dBm | -48.44 dB | -8.44 dB |
| -240.000 MHz | -160.000 MHz | 2.000 MHz | 6.10525 GHz | -56.05 dBm | -48.45 dB | -8.49 dB |
| -160.000 MHz | -81.000 MHz | 2.000 MHz | 6.26375 GHz | -31.13 dBm | -23.53 dB | -3.50 dB |
| -81.000 MHz | -80.000 MHz | 2.000 MHz | 6.26425 GHz | -25.39 dBm | -17.78 dB | -2.78 dB |
| 80.000 MHz | 81.000 MHz | 2.000 MHz | 6.42575 GHz | -27.54 dBm | -19.93 dB | -4.93 dB |
| 81.000 MHz | 160.000 MHz | 2.000 MHz | 6.42625 GHz | -33.41 dBm | -25.80 dB | -5.78 dB |
| 160.000 MHz | 240.000 MHz | 2.000 MHz | 6.58475 GHz | -56.05 dBm | -48.45 dB | -8.49 dB |
| 240.000 MHz | 250.000 MHz | 2.000 MHz | 6.59325 GHz | -56.01 dBm | -48.40 dB | -8.40 dB |

Date: 29.JAN.2022 12:30:43

**Plot on Channel 6665MHz**

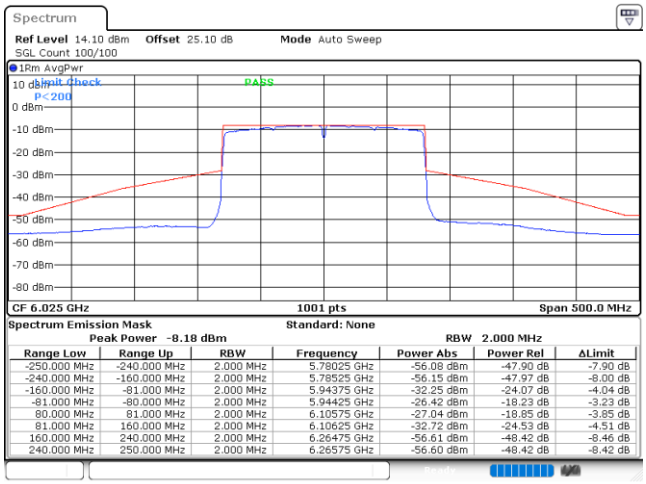



| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -250.000 MHz | -240.000 MHz | 2.000 MHz | 6.41625 GHz | -55.35 dBm | -49.79 dB | -9.79 dB |
| -240.000 MHz | -160.000 MHz | 2.000 MHz | 6.42525 GHz | -55.33 dBm | -49.77 dB | -9.81 dB |
| -160.000 MHz | -81.000 MHz | 2.000 MHz | 6.58375 GHz | -28.87 dBm | -23.31 dB | -3.29 dB |
| -81.000 MHz | -80.000 MHz | 2.000 MHz | 6.58425 GHz | -22.94 dBm | -17.38 dB | -2.38 dB |
| 80.000 MHz | 81.000 MHz | 2.000 MHz | 6.74575 GHz | -25.88 dBm | -20.32 dB | -5.32 dB |
| 81.000 MHz | 160.000 MHz | 2.000 MHz | 6.74625 GHz | -31.72 dBm | -26.16 dB | -6.14 dB |
| 160.000 MHz | 240.000 MHz | 2.000 MHz | 6.90475 GHz | -54.72 dBm | -49.16 dB | -9.20 dB |
| 240.000 MHz | 250.000 MHz | 2.000 MHz | 6.91025 GHz | -54.67 dBm | -49.11 dB | -9.11 dB |

Date: 29.JAN.2022 12:35:24

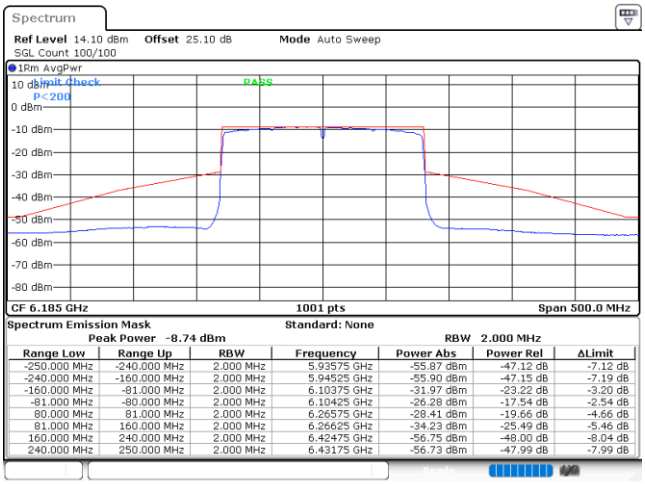
**MIMO <Ant. 9+8(8)>**

**Plot on Channel 6025MHz**



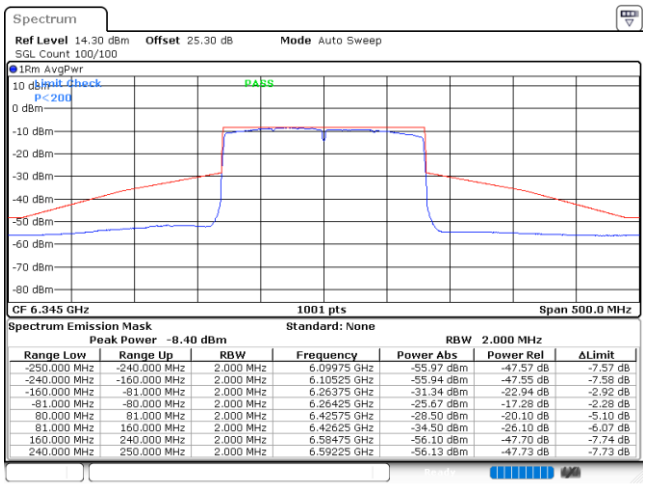

Date: 29.JAN.2022 12:18:19

**Plot on Channel 6185MHz**



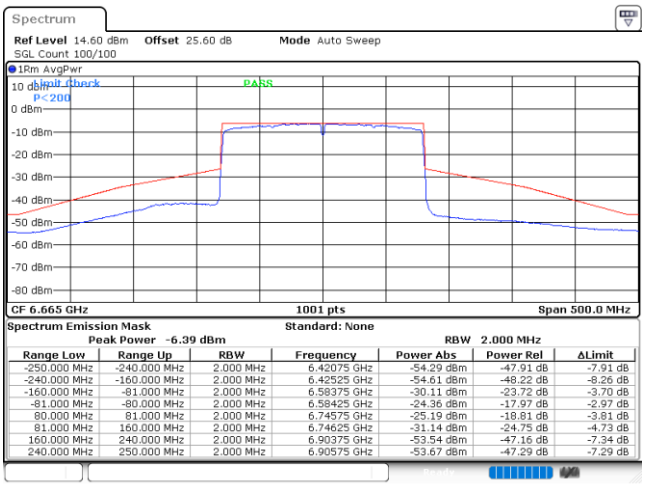

Date: 29.JAN.2022 12:26:15

**Plot on Channel 6345MHz**




Date: 29.JAN.2022 12:31:56

**Plot on Channel 6665MHz**




Date: 29.JAN.2022 12:36:30

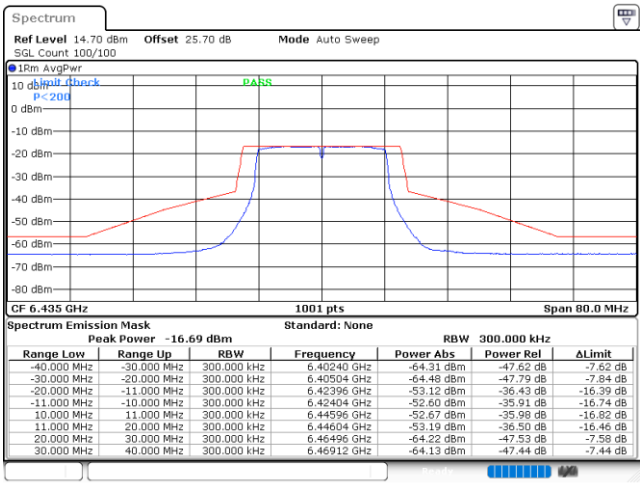
**<CDD Mode>**

**<Indoor Client>**

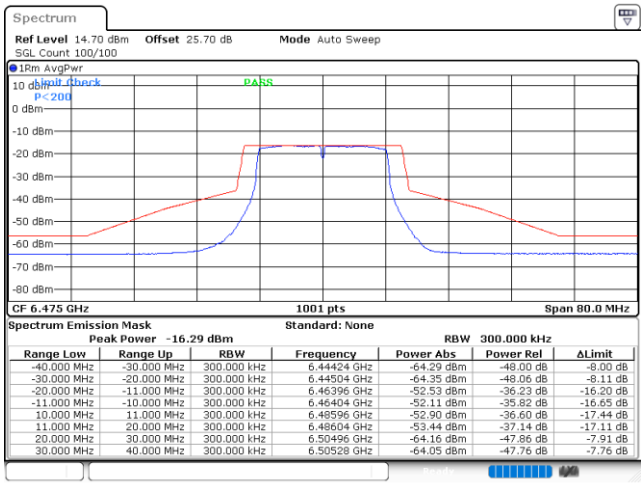
| EUT Mode : | 802.11a |
|---|---|

**MIMO <Ant. 9+8(9)>**

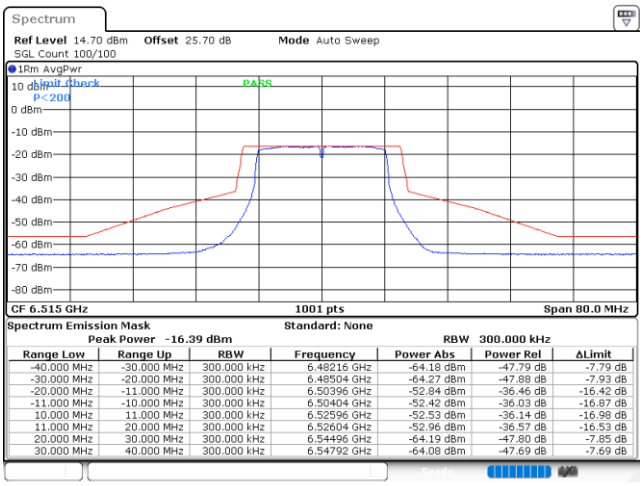
**Plot on Channel 6435MHz**



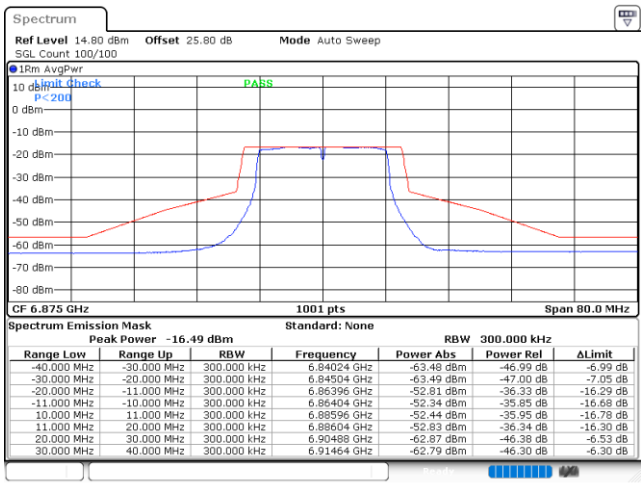

**Plot on Channel 6475MHz**



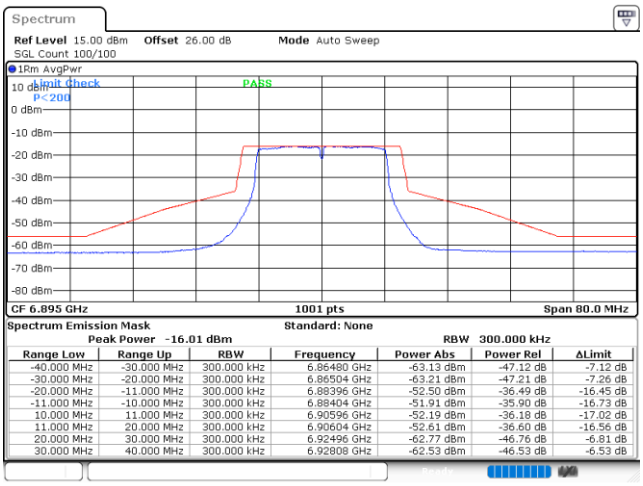

**Plot on Channel 6515MHz**




**Plot on Channel 6875MHz**



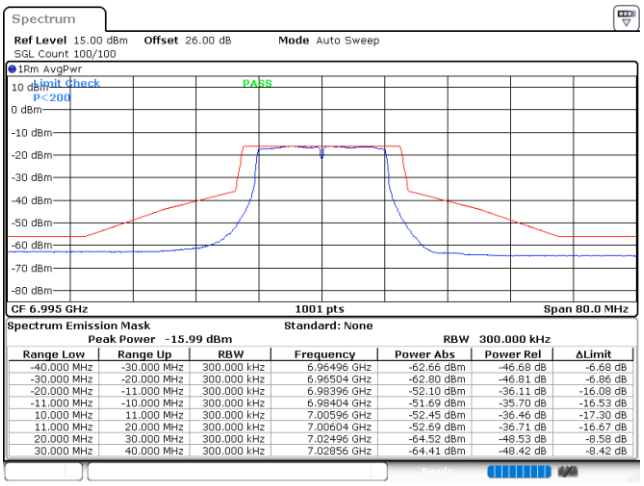
## Plot on Channel 6895MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.86480 GHz | -63.13 dBm | -47.12 dB | -7.12 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.86504 GHz | -63.21 dBm | -47.21 dB | -7.26 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.88396 GHz | -52.50 dBm | -36.49 dB | -16.45 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.88404 GHz | -51.91 dBm | -35.90 dB | -16.73 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.90596 GHz | -52.19 dBm | -36.18 dB | -17.02 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.90604 GHz | -52.61 dBm | -36.60 dB | -16.56 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.92496 GHz | -62.77 dBm | -46.76 dB | -6.81 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.92808 GHz | -62.53 dBm | -46.53 dB | -6.53 dB |

Date: 14.JAN.2022 18:04:14

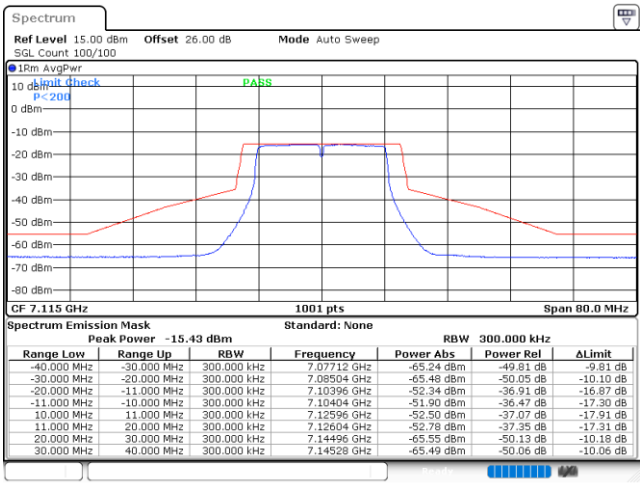
## Plot on Channel 6995MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.96496 GHz | -62.66 dBm | -46.68 dB | -6.68 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.96504 GHz | -62.80 dBm | -46.81 dB | -6.86 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.98396 GHz | -52.10 dBm | -36.11 dB | -16.08 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.98404 GHz | -51.69 dBm | -35.70 dB | -16.53 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 7.00596 GHz | -52.45 dBm | -36.46 dB | -17.30 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 7.00604 GHz | -52.69 dBm | -36.71 dB | -16.67 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 7.02496 GHz | -64.52 dBm | -48.53 dB | -8.58 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 7.02856 GHz | -64.41 dBm | -48.42 dB | -8.42 dB |

Date: 14.JAN.2022 18:39:12

## Plot on Channel 7115MHz

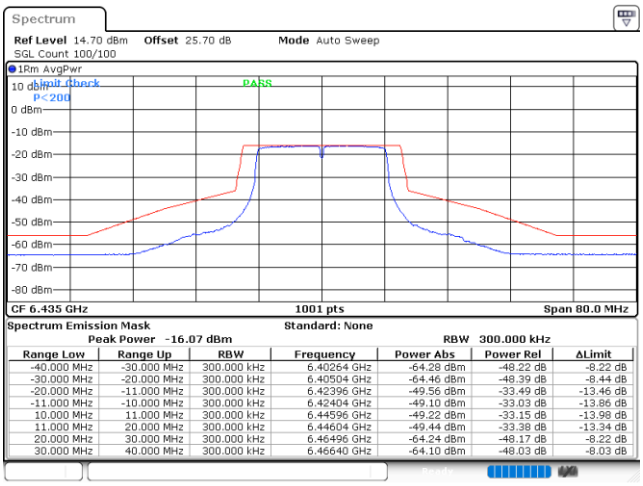



| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 7.07712 GHz | -65.24 dBm | -49.81 dB | -9.81 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 7.08504 GHz | -65.48 dBm | -50.05 dB | -10.10 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 7.10396 GHz | -52.34 dBm | -36.91 dB | -16.87 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 7.10404 GHz | -51.90 dBm | -36.47 dB | -17.30 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 7.12596 GHz | -52.50 dBm | -37.07 dB | -17.91 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 7.12604 GHz | -52.78 dBm | -37.35 dB | -17.31 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 7.14496 GHz | -65.55 dBm | -50.13 dB | -10.18 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 7.14528 GHz | -65.49 dBm | -50.06 dB | -10.06 dB |

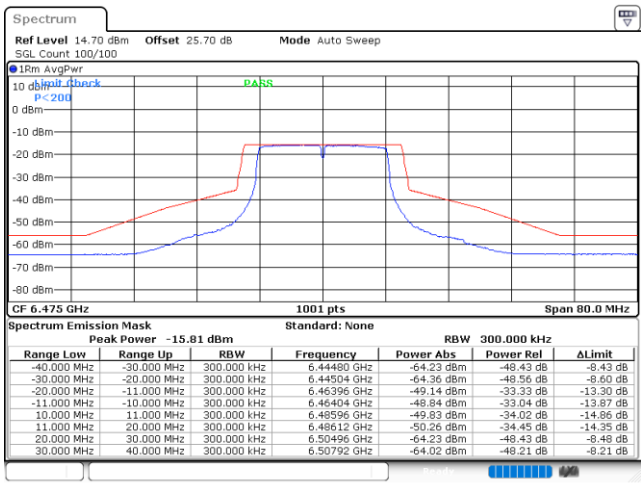
Date: 14.JAN.2022 18:45:26

## MIMO <Ant. 9+8(8)>

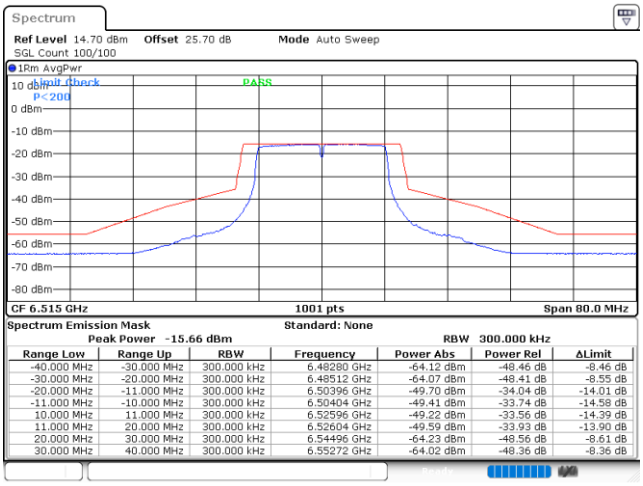
### Plot on Channel 6435MHz



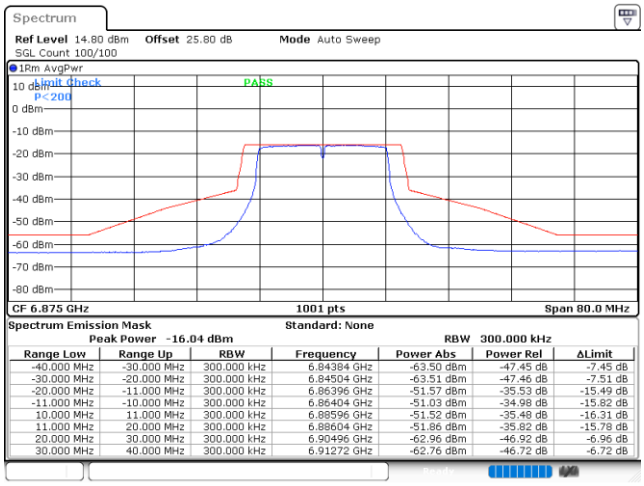

### Plot on Channel 6475MHz



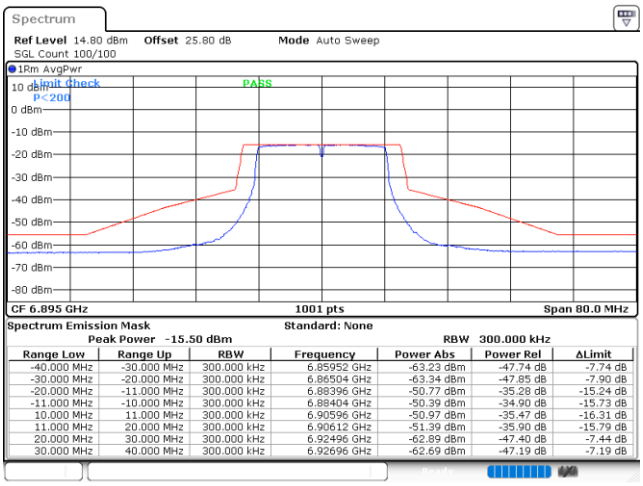

### Plot on Channel 6515MHz




### Plot on Channel 6875MHz



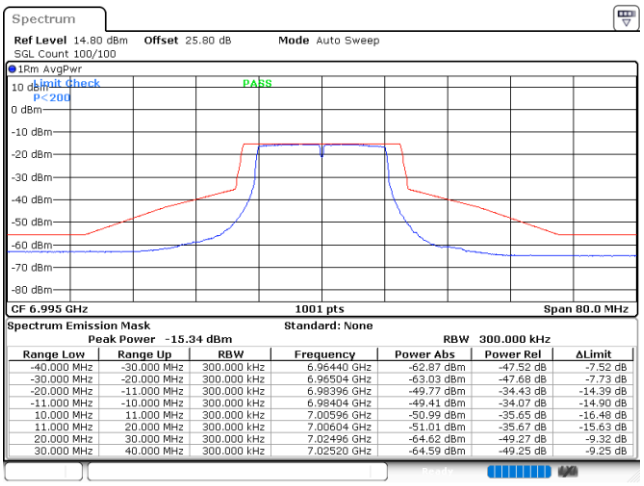
## Plot on Channel 6895MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.85952 GHz | -63.23 dBm | -47.74 dB | -7.74 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.86504 GHz | -63.34 dBm | -47.85 dB | -7.90 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.88396 GHz | -50.77 dBm | -35.28 dB | -15.24 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.88404 GHz | -50.39 dBm | -34.90 dB | -15.73 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.90596 GHz | -50.97 dBm | -35.47 dB | -16.31 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.90612 GHz | -51.39 dBm | -35.90 dB | -15.79 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.92496 GHz | -62.89 dBm | -47.40 dB | -7.44 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.92696 GHz | -62.69 dBm | -47.19 dB | -7.19 dB |

Date: 14.JAN.2022 18:05:41

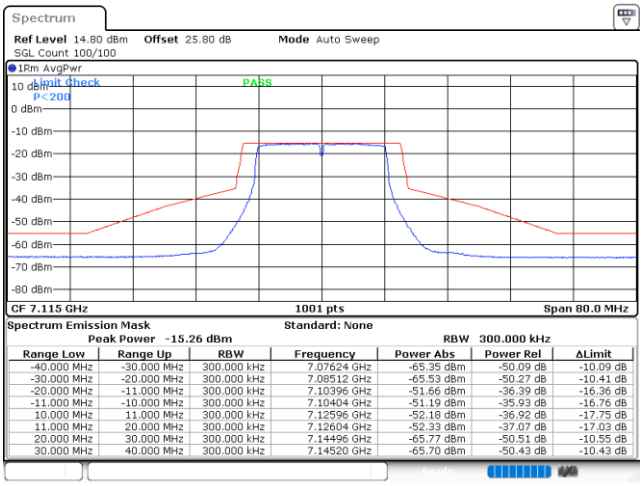
## Plot on Channel 6995MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.96440 GHz | -62.87 dBm | -47.52 dB | -7.52 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.96504 GHz | -63.03 dBm | -47.68 dB | -7.73 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.98396 GHz | -49.77 dBm | -34.43 dB | -14.39 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.98404 GHz | -49.41 dBm | -34.07 dB | -14.90 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 7.00596 GHz | -50.99 dBm | -35.65 dB | -16.48 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 7.00604 GHz | -51.01 dBm | -35.67 dB | -15.63 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 7.02496 GHz | -64.62 dBm | -49.27 dB | -9.32 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 7.02520 GHz | -64.59 dBm | -49.25 dB | -9.25 dB |

Date: 14.JAN.2022 18:40:28

## Plot on Channel 7115MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 7.07624 GHz | -65.35 dBm | -50.09 dB | -10.09 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 7.08512 GHz | -65.53 dBm | -50.27 dB | -10.41 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 7.10396 GHz | -51.66 dBm | -36.39 dB | -16.36 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 7.10404 GHz | -51.19 dBm | -35.93 dB | -16.76 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 7.12596 GHz | -52.18 dBm | -36.92 dB | -17.75 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 7.12604 GHz | -52.33 dBm | -37.07 dB | -17.03 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 7.14496 GHz | -65.77 dBm | -50.51 dB | -10.55 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 7.14520 GHz | -65.70 dBm | -50.43 dB | -10.43 dB |

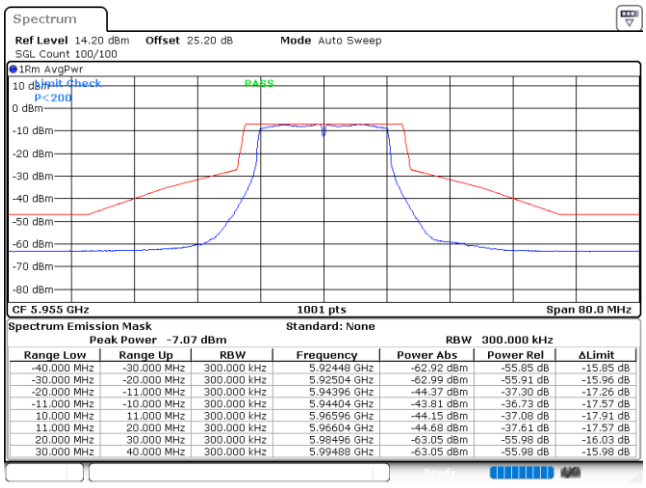
Date: 14.JAN.2022 18:46:43

**<Standard Client>**

| EUT Mode : | 802.11a |
|---|---|

**MIMO <Ant. 9+8(9)>**

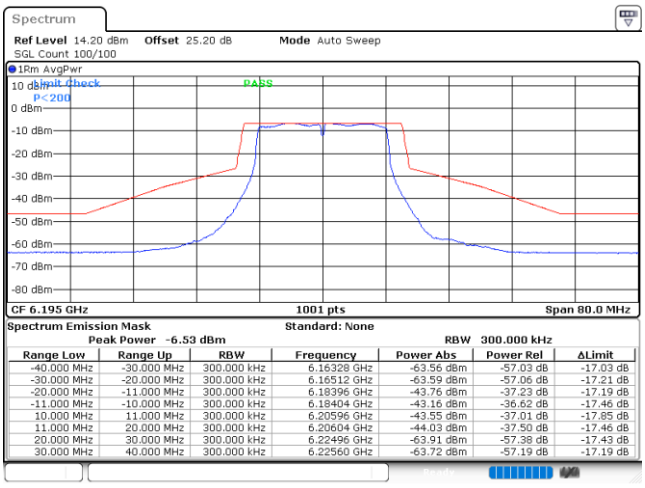
**Plot on Channel 5955MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 5.92448 GHz | -62.92 dBm | -55.85 dB | -15.85 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 5.92504 GHz | -62.99 dBm | -55.91 dB | -15.96 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 5.94396 GHz | -44.37 dBm | -37.30 dB | -17.26 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 5.94404 GHz | -43.81 dBm | -36.73 dB | -17.57 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 5.96596 GHz | -44.15 dBm | -37.08 dB | -17.91 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 5.96604 GHz | -44.68 dBm | -37.61 dB | -17.57 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 5.98496 GHz | -63.05 dBm | -55.98 dB | -16.03 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 5.99488 GHz | -63.05 dBm | -55.98 dB | -15.98 dB |

Date: 28.JAN.2022 11:07:59

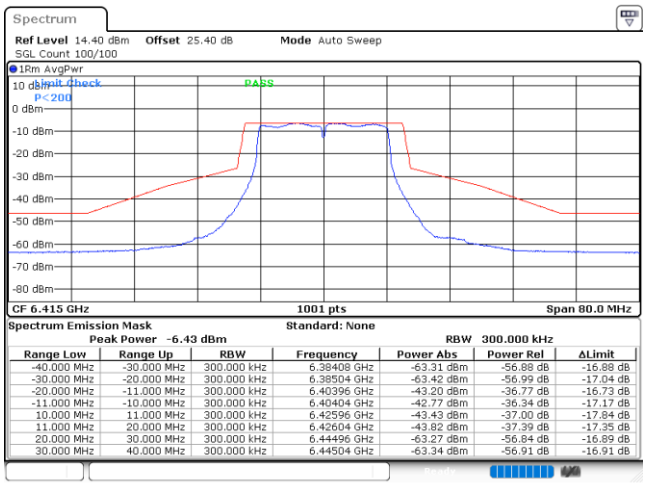
**Plot on Channel 6195MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.16328 GHz | -63.56 dBm | -57.03 dB | -17.03 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.16512 GHz | -63.59 dBm | -57.06 dB | -17.21 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.18396 GHz | -43.76 dBm | -37.23 dB | -17.19 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.18404 GHz | -43.16 dBm | -36.62 dB | -17.46 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.20596 GHz | -43.55 dBm | -37.01 dB | -17.85 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.20604 GHz | -44.03 dBm | -37.50 dB | -17.46 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.22496 GHz | -63.91 dBm | -57.38 dB | -17.43 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.22560 GHz | -63.72 dBm | -57.19 dB | -17.19 dB |

Date: 28.JAN.2022 11:23:59

**Plot on Channel 6415MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.38408 GHz | -63.31 dBm | -56.88 dB | -16.88 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.38504 GHz | -63.42 dBm | -56.99 dB | -17.04 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.40396 GHz | -43.20 dBm | -36.77 dB | -16.73 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.40404 GHz | -42.77 dBm | -36.34 dB | -17.17 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.42596 GHz | -43.43 dBm | -37.00 dB | -17.84 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.42604 GHz | -43.82 dBm | -37.39 dB | -17.35 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.44496 GHz | -63.27 dBm | -56.84 dB | -16.89 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.44504 GHz | -63.34 dBm | -56.91 dB | -16.91 dB |

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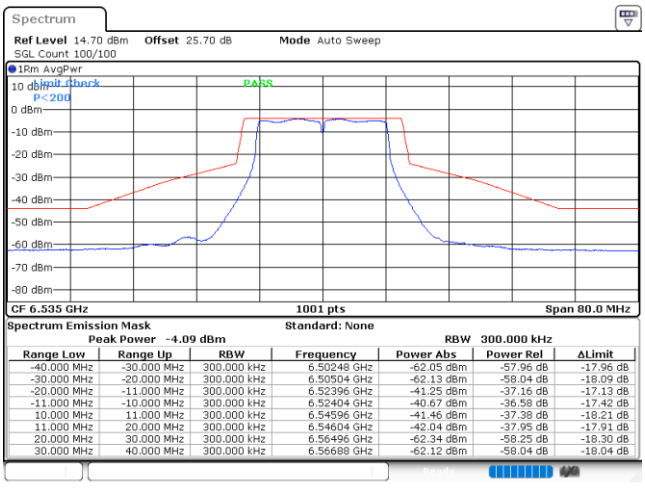
**Plot on Channel 6535MHz**




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.50248 GHz | -62.05 dBm | -57.96 dB | -17.96 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.50504 GHz | -62.13 dBm | -58.04 dB | -18.09 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.52396 GHz | -41.25 dBm | -37.16 dB | -17.13 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.52404 GHz | -40.67 dBm | -36.58 dB | -17.42 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.54596 GHz | -41.46 dBm | -37.38 dB | -18.21 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.54604 GHz | -42.04 dBm | -37.95 dB | -17.91 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.56496 GHz | -62.34 dBm | -58.25 dB | -18.30 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.56688 GHz | -62.12 dBm | -58.04 dB | -18.04 dB |

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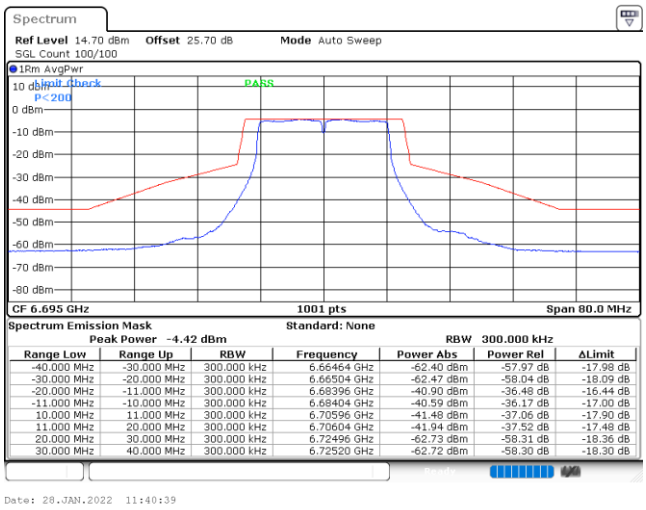
### Plot on Channel 6695MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.66464 GHz | -62.40 dBm | -57.97 dB | -17.98 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.66504 GHz | -62.47 dBm | -58.04 dB | -18.09 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.68396 GHz | -40.90 dBm | -36.48 dB | -16.44 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.68404 GHz | -40.59 dBm | -36.17 dB | -17.00 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.70596 GHz | -41.48 dBm | -37.06 dB | -17.90 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.70604 GHz | -41.94 dBm | -37.52 dB | -17.48 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.72496 GHz | -62.73 dBm | -58.31 dB | -18.36 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.72520 GHz | -62.72 dBm | -58.30 dB | -18.30 dB |

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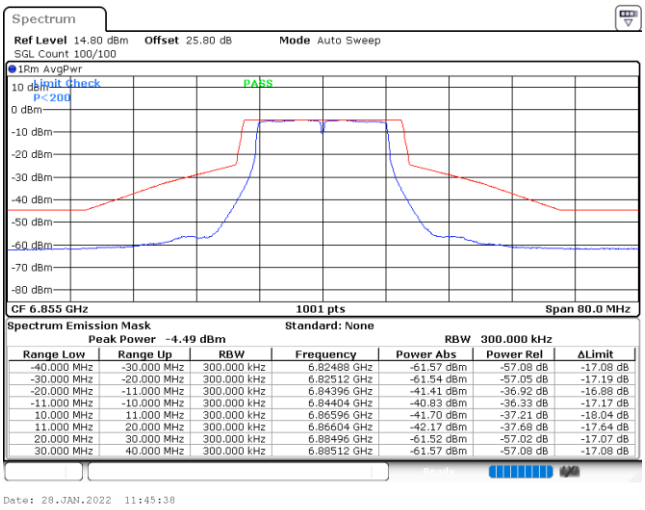
### Plot on Channel 6855MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.82488 GHz | -61.57 dBm | -57.08 dB | -17.08 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.82512 GHz | -61.54 dBm | -57.05 dB | -17.19 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.84396 GHz | -41.41 dBm | -36.92 dB | -16.88 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.84404 GHz | -40.83 dBm | -36.33 dB | -17.17 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.86596 GHz | -41.70 dBm | -37.21 dB | -18.04 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.86604 GHz | -42.17 dBm | -37.68 dB | -17.64 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.88496 GHz | -61.52 dBm | -57.02 dB | -17.07 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.88512 GHz | -61.57 dBm | -57.08 dB | -17.08 dB |

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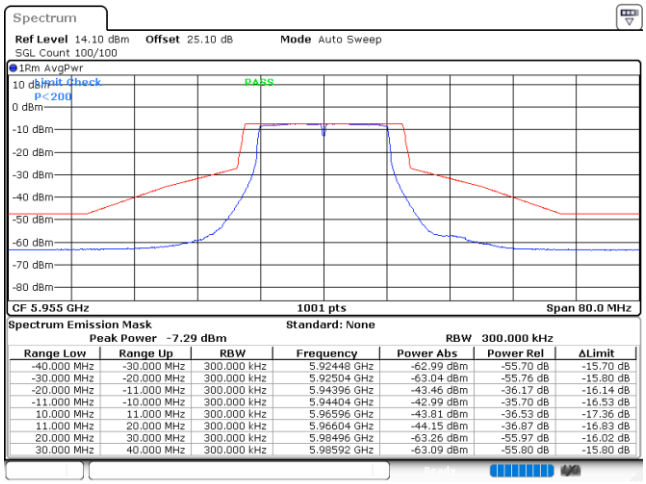
## MIMO <Ant. 9+8(8)>

### Plot on Channel 5955MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 5.92448 GHz | -62.99 dBm | -55.70 dB | -15.70 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 5.92504 GHz | -63.04 dBm | -55.76 dB | -15.80 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 5.94396 GHz | -43.46 dBm | -36.17 dB | -16.14 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 5.94404 GHz | -42.99 dBm | -35.70 dB | -16.53 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 5.96596 GHz | -43.81 dBm | -36.53 dB | -17.36 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 5.96604 GHz | -44.15 dBm | -36.87 dB | -16.83 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 5.98496 GHz | -63.26 dBm | -55.97 dB | -16.02 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 5.98592 GHz | -63.09 dBm | -55.80 dB | -15.80 dB |

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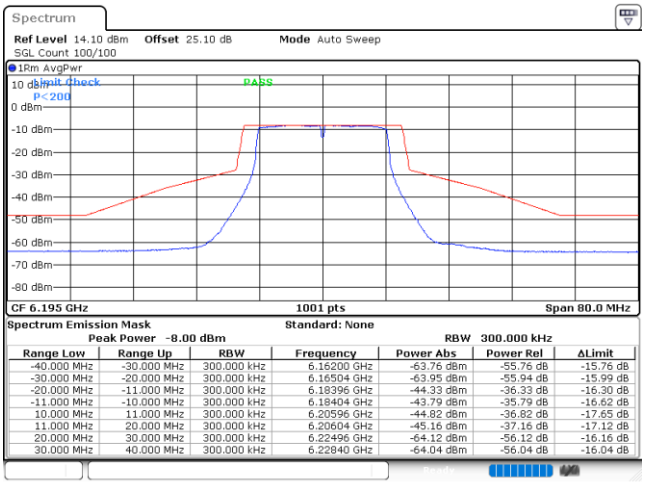
### Plot on Channel 6195MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.16200 GHz | -63.76 dBm | -55.76 dB | -15.76 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.16504 GHz | -63.95 dBm | -55.94 dB | -15.99 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.18396 GHz | -44.33 dBm | -36.33 dB | -16.30 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.18404 GHz | -43.79 dBm | -35.79 dB | -16.62 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.20596 GHz | -44.82 dBm | -36.82 dB | -17.65 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.20604 GHz | -45.16 dBm | -37.16 dB | -17.12 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.22496 GHz | -64.12 dBm | -56.12 dB | -16.16 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.22840 GHz | -64.04 dBm | -56.04 dB | -16.04 dB |

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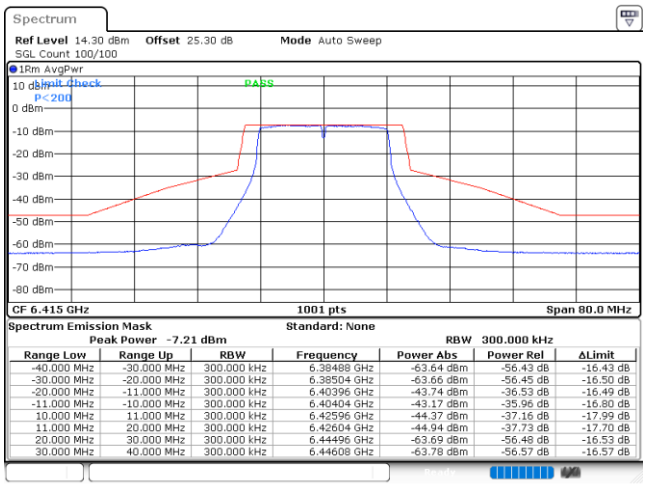
### Plot on Channel 6415MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.38488 GHz | -63.64 dBm | -56.43 dB | -16.43 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.38504 GHz | -63.66 dBm | -56.45 dB | -16.50 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.40396 GHz | -43.74 dBm | -36.53 dB | -16.49 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.40404 GHz | -43.17 dBm | -35.96 dB | -16.80 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.42596 GHz | -44.37 dBm | -37.16 dB | -17.99 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.42604 GHz | -44.94 dBm | -37.73 dB | -17.70 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.44496 GHz | -63.69 dBm | -56.48 dB | -16.53 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.44608 GHz | -63.78 dBm | -56.57 dB | -16.57 dB |

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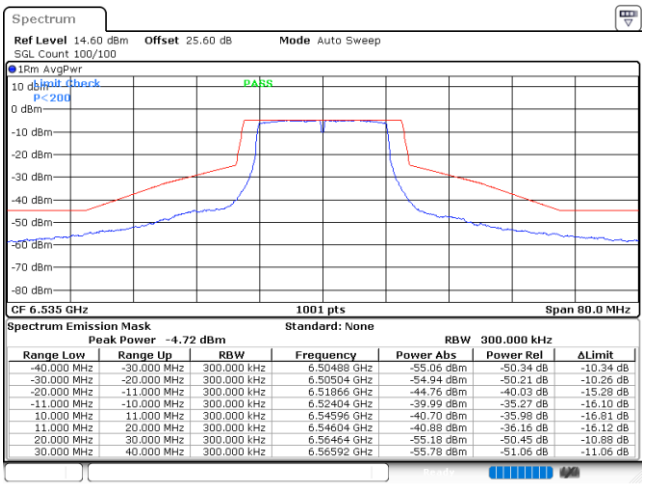
### Plot on Channel 6535MHz




| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -40.000 MHz | -30.000 MHz | 300.000 kHz | 6.50488 GHz | -55.06 dBm | -50.34 dB | -10.34 dB |
| -30.000 MHz | -20.000 MHz | 300.000 kHz | 6.50504 GHz | -54.94 dBm | -50.21 dB | -10.26 dB |
| -20.000 MHz | -11.000 MHz | 300.000 kHz | 6.51866 GHz | -44.76 dBm | -40.03 dB | -15.28 dB |
| -11.000 MHz | -10.000 MHz | 300.000 kHz | 6.52404 GHz | -39.99 dBm | -35.27 dB | -16.10 dB |
| 10.000 MHz | 11.000 MHz | 300.000 kHz | 6.54596 GHz | -40.70 dBm | -35.98 dB | -16.81 dB |
| 11.000 MHz | 20.000 MHz | 300.000 kHz | 6.54604 GHz | -40.88 dBm | -36.16 dB | -16.12 dB |
| 20.000 MHz | 30.000 MHz | 300.000 kHz | 6.56464 GHz | -55.18 dBm | -50.45 dB | -10.88 dB |
| 30.000 MHz | 40.000 MHz | 300.000 kHz | 6.56592 GHz | -55.78 dBm | -51.06 dB | -11.06 dB |

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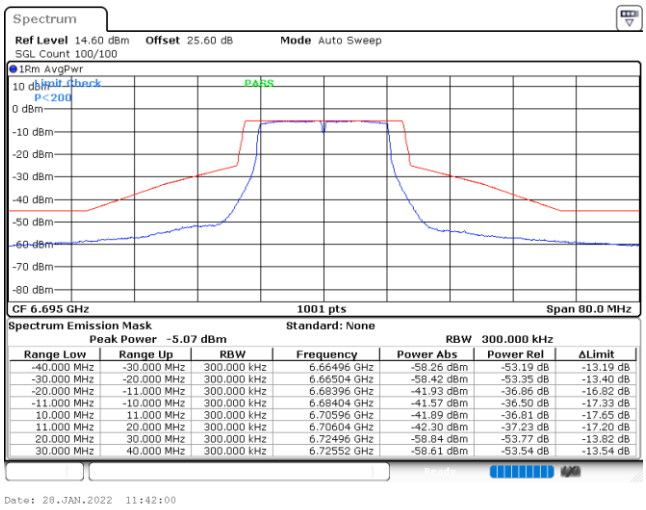
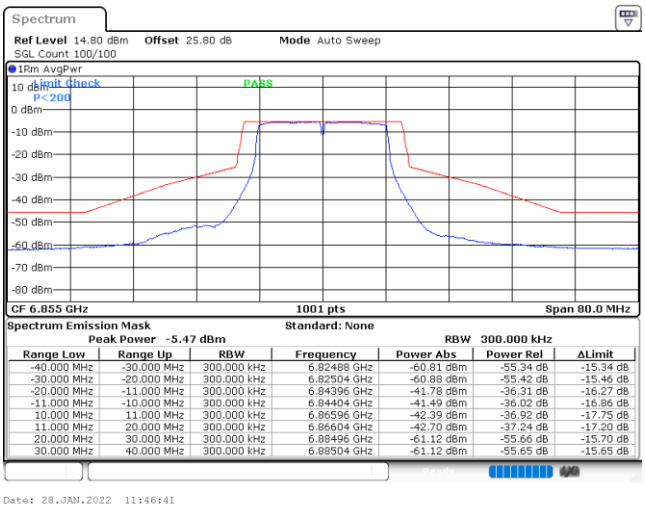
### Plot on Channel 6695MHz




### Plot on Channel 6855MHz



## 3.5 Contention Based Protocol

### 3.5.1 Limit of Contention Based Protocol

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

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

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

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

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

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

where:

$BWEUT$: Transmission bandwidth of EUT signal

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

$fc1$: Center frequency of EUT transmission

$fc2$: Center frequency of simulated incumbent signal

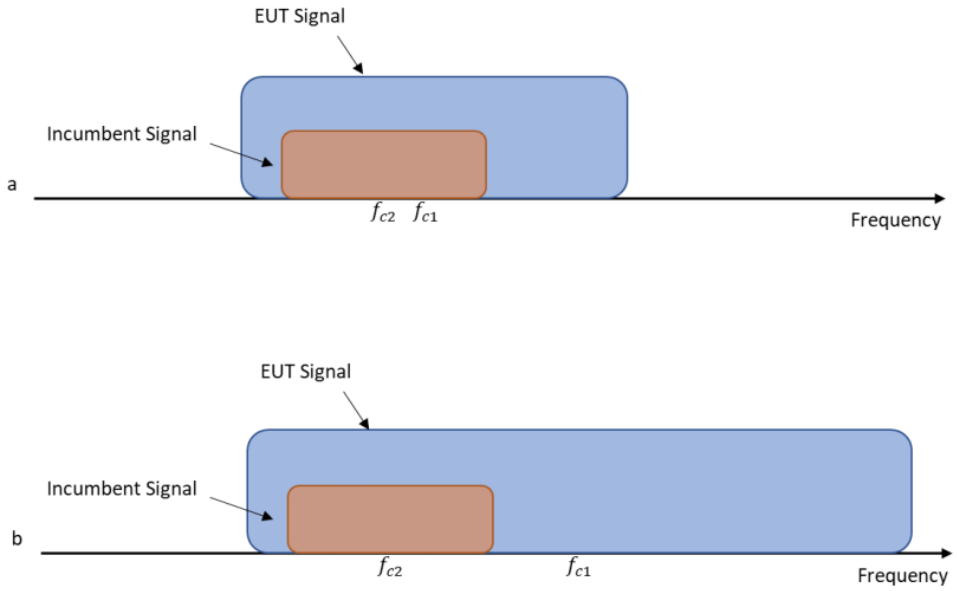



**Figure 1. Two possible scenarios where a) center frequency of EUT transmission falls within incumbent's bandwidth, or b) outside of it**

### 3.5.2 Measuring Instruments

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

### 3.5.3 Test Procedures

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

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

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

## 3.5.4 Test Setup

Conducted Setup

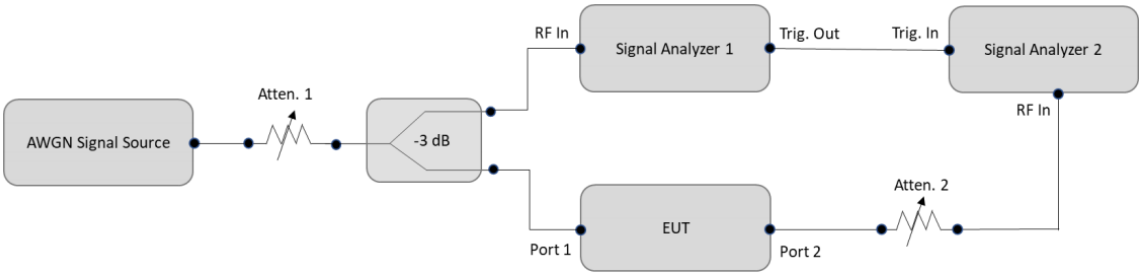



**Figure 2. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup**

## 3.5.5 Support Unit used in test configuration and system

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

### 3.5.6 Test Summary of Contention Based Protocol Test

| Test Engineer : | Kai Liao | Temperature : | 24~26℃ |
|---|---|---|---|
| | | Relative Humidity : | 45~50% |

| Band | Channel Freq. (MHz) | Channel BW (MHz) | Incumbent freq. (MHz) | Measured Detection level (dBm) | Detection Rate (%) | Regulated Threshold level (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|---|
| UNII Band 5 | 6135 | 20 | 6135 | -74.64 | 100 | -59.1 | 15.54 |
| | 6185 | 160 | 6110 | -74.47 | 100 | -59.1 | 15.37 |
| | | | 6185 | -69.5 | 100 | -59.1 | 10.4 |
| | | | 6260 | -73.76 | 100 | -59.1 | 14.66 |
| UNII Band 6 | 6455 | 20 | 6455 | -77.35 | 100 | -58.8 | 18.55 |
| | 6505 | 160 | 6430 | -74.74 | 100 | -58.8 | 15.94 |
| | | | 6505 | -68.12 | 100 | -58.8 | 9.32 |
| | | | 6580 | -74.17 | 100 | -58.8 | 15.37 |
| UNII Band 7 | 6695 | 20 | 6695 | -74.31 | 100 | -58.7 | 15.61 |
| | 6665 | 160 | 6590 | -77.11 | 100 | -58.7 | 18.41 |
| | | | 6665 | -72.76 | 100 | -58.7 | 14.06 |
| | | | 6740 | -77.9 | 100 | -58.7 | 19.2 |
| UNII Band 8 | 7015 | 20 | 7015 | -68.85 | 100 | -59.2 | 9.65 |
| | 6985 | 160 | 6910 | -76.65 | 100 | -59.2 | 17.45 |
| | | | 6985 | -71.59 | 100 | -59.2 | 12.39 |
| | | | 7060 | -75.46 | 100 | -59.2 | 16.26 |

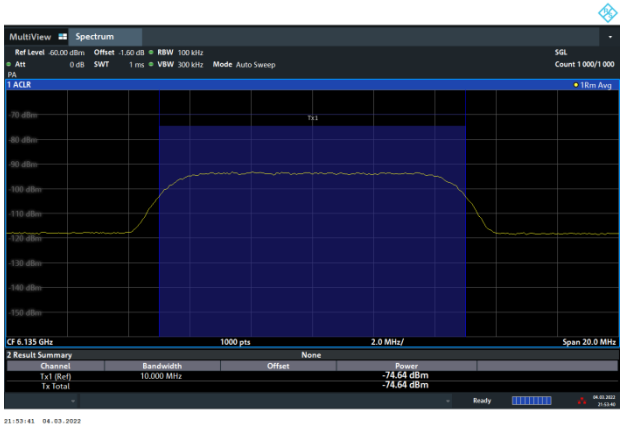
**Note:** Threshold Level (TL) = -62dBm + minimum antenna gain

### 3.5.7 Test Plots of Contention Based Protocol Test

Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)

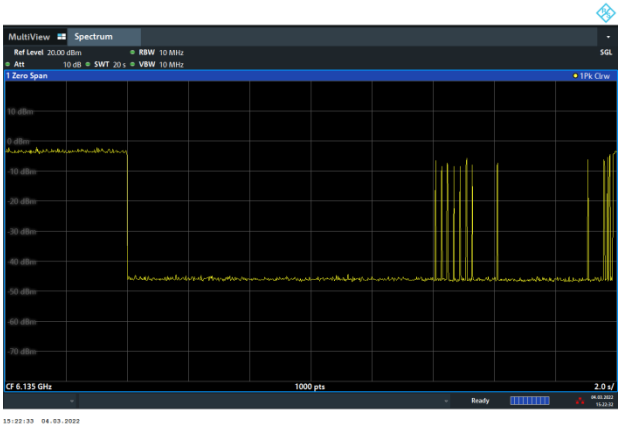
802.11ax (HE20) / 6135MHz

Threshold Level (TL) = -dBm



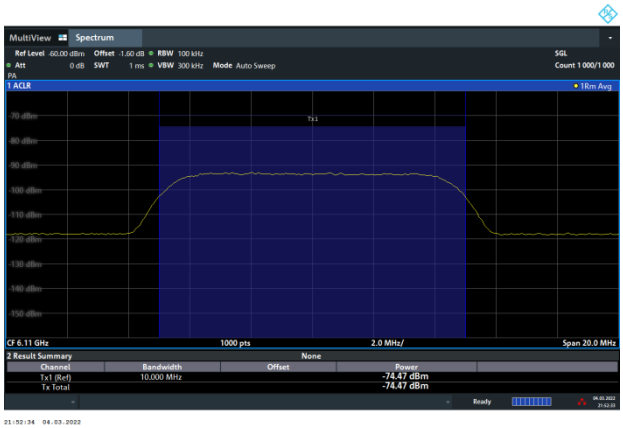

802.11ax (HE20) / CH37

Test result is pass due to no transmission occur.



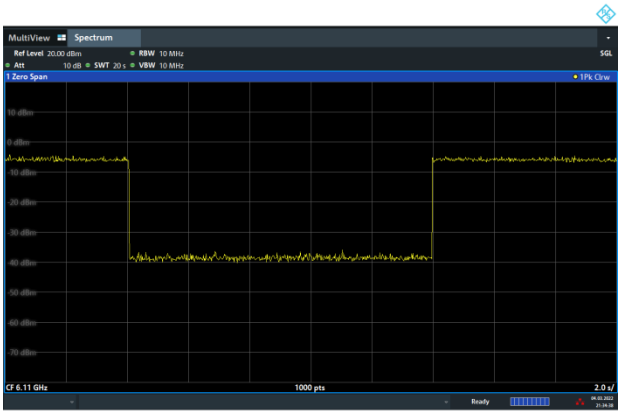

802.11ax (HE160) / 6110MHz (Lower edge)

Threshold Level (TL) = -dBm




802.11ax (HE160) / CH47 (Lower edge)

Test result is pass due to no transmission occur.

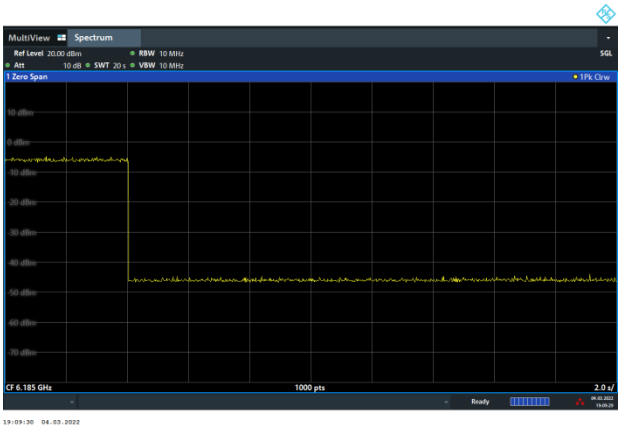


802.11ax (HE160) / 6185MHz (Middle)

Threshold Level (TL) = -69.5dBm

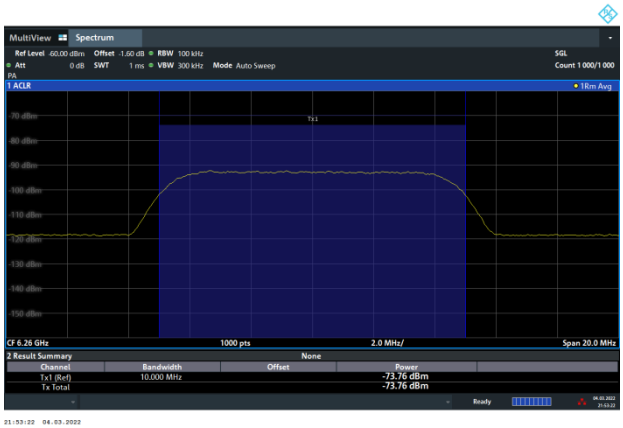

802.11ax (HE160) / CH47 (Middle)

Test result is pass due to no transmission occur.



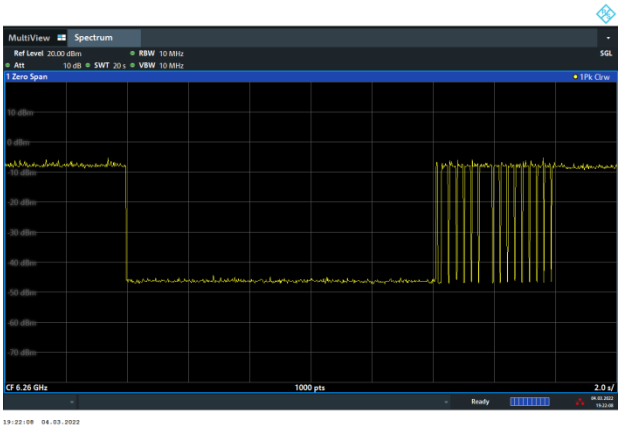

802.11ax (HE160) / 6260MHz (Upper edge)

Threshold Level (TL) = -73.76dBm




802.11ax (HE160) / CH47 (Upper edge)

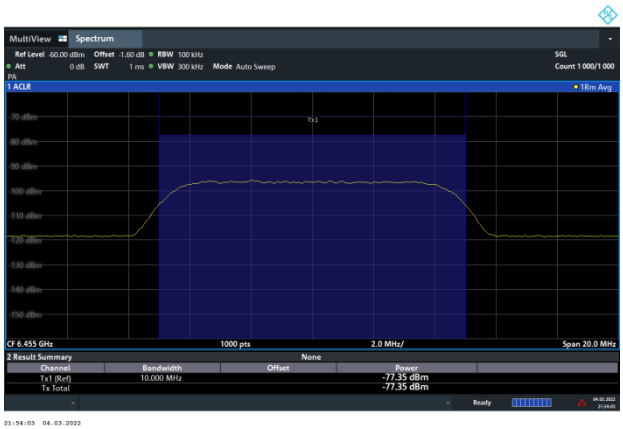
Test result is pass due to no transmission occur.



Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)

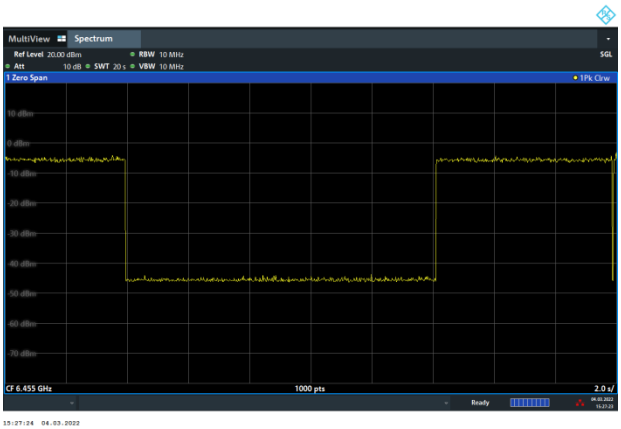
802.11ax (HE20) / 6455MHz

Threshold Level (TL) = -77.35dBm



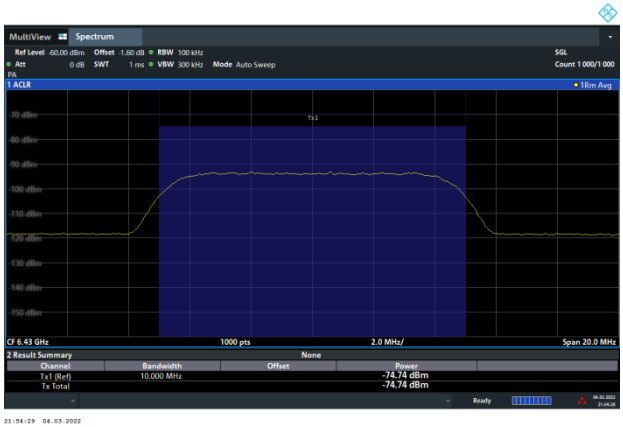

802.11ax (HE20) / CH101

Test result is pass due to no transmission occur.



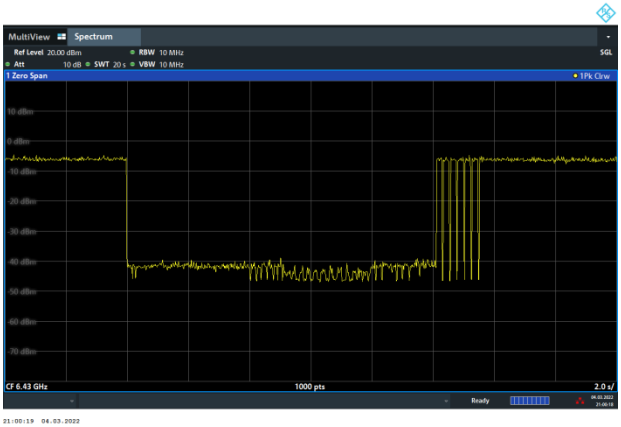

802.11ax (HE160) / 6430MHz (Lower edge)

Threshold Level (TL) = -74.74dBm




802.11ax (HE160) / CH111 (Lower edge)

Test result is pass due to no transmission occur.

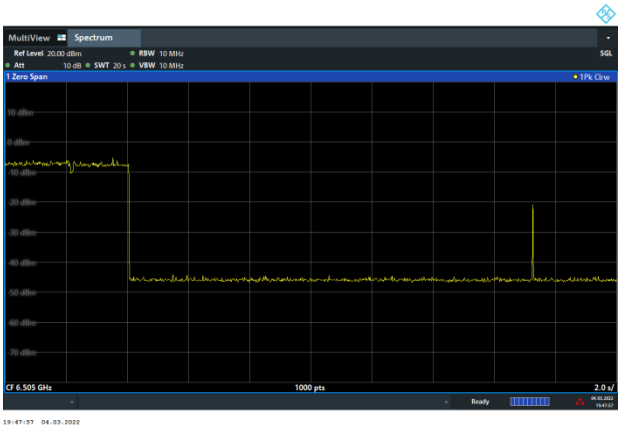


802.11ax (HE160) / 6505MHz (Middle)

Threshold Level (TL) = -68.12dBm

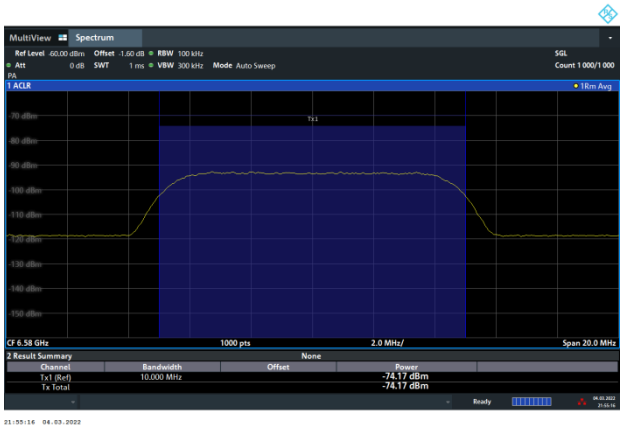

802.11ax (HE160) / CH111 (Middle)

Test result is pass due to no transmission occur.




802.11ax (HE160) / 6580MHz (Upper edge)

Threshold Level (TL) = -74.17dBm




802.11ax (HE160) / CH111 (Upper edge)

Test result is pass due to no transmission occur.