



REPORT NO.: 4790153138.1-5 Page 260 of 374

| | Keysight Spectrum Analyzer - Swept SA | | | | |
|------------|---|--------------------------------------|----------------------|--|---|
| Ce | RL RF 50 Ω DC enter Freq 7.025000000 GHz NFE PNO: | Fast Trig: Free Run #Atten: 30 dB | #Avg Type: RMS | 07:40:56 AM Dec 08, 2021 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A | Frequency |
| | Ref Offset 30.66 dB | :Low #Atten: 30 dB | Mkr1 | 7.022 44 GHz -8.44 dBm | Auto Tune |
| | 0.0 | | | | Center Freq 7.025000000 GHz |
| -10 | 0.0 | Mary and James and | allelenan and darred | | Start Freq 6.945000000 GHz |
| -20 -30 | 0.0 | | | ng dapana ada mada Abasar ng | Stop Freq 7.10500000 GHz |
| -40 | | | | | CF Step 16.000000 MHz <u>Auto</u> Man |
| -60 | 0.0 | | | | Freq Offset 0 Hz |
| -70 | | | | | Scale Type |
| | enter 7.02500 GHz Res BW 1.0 MHz | #VBW 3.0 MHz | Sweep 1. | Span 160.0 MHz 000 ms (1001 pts) | Log <u>Lin</u> |
| | 1 | 11AX80MIMO | _Ant2_702 | 5 | |



12.6. Appendix G: Frequency Stability Test Result

| Frequency Error vs. Voltage | | | | | | | | | |
|-----------------------------|---------------------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 802.11ax HE20: 6195 MHz | | | | | | | | | |
| - | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | | |
| Temp. | Volt. | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| TN | VL | 6194.9970 | -0.48 | 6194.9966 | -0.54 | 6195.0085 | 1.38 | 6194.9927 | -1.18 |
| TN | VN | 6195.0223 | 3.59 | 6194.9908 | -1.49 | 6194.9769 | -3.74 | 6195.0038 | 0.61 |
| TN | VH | 6195.0002 | 0.04 | 6194.9773 | -3.66 | 6194.9973 | -0.43 | 6195.0008 | 0.13 |
| | Frequency Error vs. Temperature | | | | | | | | |
| | 802.11ax HE20: 6195 MHz | | | | | | | | |
| - | N. K | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| Temp. | Volt. | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| 70 | VN | 6195.0001 | 0.02 | 6195.0065 | 1.04 | 6194.9893 | -1.72 | 6195.0227 | 3.66 |
| 60 | VN | 6194.9892 | -1.75 | 6195.0035 | 0.57 | 6195.0175 | 2.83 | 6194.9918 | -1.32 |
| 40 | VN | 6194.9951 | -0.80 | 6195.0100 | 1.62 | 6194.9855 | -2.33 | 6194.9974 | -0.42 |
| 30 | VN | 6195.0004 | 0.06 | 6195.0138 | 2.23 | 6194.9849 | -2.44 | 6194.9888 | -1.81 |
| 20 | VN | 6195.0005 | 0.08 | 6194.9763 | -3.83 | 6194.9770 | -3.72 | 6194.9774 | -3.65 |
| 10 | VN | 6194.9800 | -3.23 | 6194.9785 | -3.48 | 6195.0015 | 0.25 | 6194.9869 | -2.12 |
| 0 | VN | 6195.0143 | 2.30 | 6194.9997 | -0.04 | 6194.9775 | -3.63 | 6194.9943 | -0.92 |



| Frequency Error vs. Voltage | | | | | | | | | |
|-----------------------------|---------------------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|
| 802.11ax HE20: 6995 MHz | | | | | | | | | |
| T | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | | |
| Temp. | Volt. | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| TN | VL | 6994.9842 | -2.26 | 6994.9847 | -2.19 | 6994.9868 | -1.89 | 6994.9807 | -2.76 |
| TN | VN | 6994.9997 | -0.04 | 6994.9847 | -2.19 | 6995.0238 | 3.41 | 6994.9871 | -1.85 |
| TN | VH | 6994.9892 | -1.55 | 6995.0157 | 2.24 | 6994.9929 | -1.02 | 6994.9776 | -3.20 |
| | Frequency Error vs. Temperature | | | | | | | | |
| | 802.11ax HE20: 6995 MHz | | | | | | | | |
| - | N.K | 0 Minute | | 2 Minute | | 5 Minute | | 10 Minute | |
| Temp. | Volt. | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| 70 | VN | 6995.0209 | 2.98 | 6995.0111 | 1.59 | 6994.9933 | -0.95 | 6994.9928 | -1.03 |
| 60 | VN | 6994.9991 | -0.13 | 6994.9887 | -1.62 | 6994.9782 | -3.11 | 6994.9999 | -0.01 |
| 40 | VN | 6995.0053 | 0.75 | 6994.9776 | -3.20 | 6994.9862 | -1.97 | 6994.9973 | -0.39 |
| 30 | VN | 6994.9971 | -0.41 | 6994.9850 | -2.15 | 6994.9860 | -2.00 | 6994.9911 | -1.27 |
| 20 | VN | 6995.0210 | 3.00 | 6994.9964 | -0.51 | 6994.9839 | -2.30 | 6994.9897 | -1.47 |
| 10 | VN | 6994.9794 | -2.95 | 6995.0155 | 2.21 | 6994.9928 | -1.03 | 6995.0040 | 0.57 |
| 0 | VN | 6994.9885 | -1.64 | 6995.0030 | 0.42 | 6994.9757 | -3.48 | 6994.9863 | -1.95 |

Note: All the mode had been tested, but only the worst data was recorded in the repot.



12.7. Appendix H: In-Band Emissions (Mask)

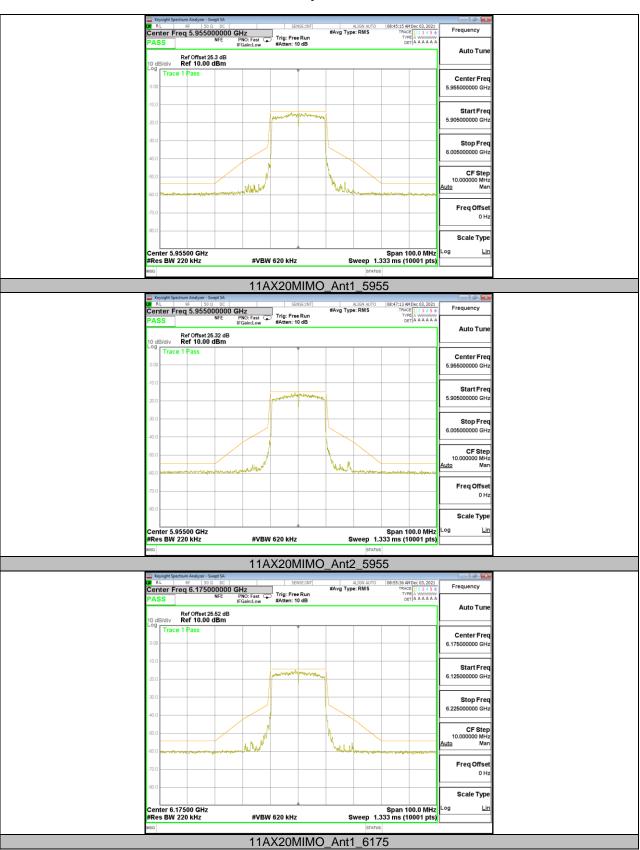
12.7.1. Mode Test Result

| Test Mode | Antenna | Channel | EIRP [dBm] | Limit [dBm] | Verdict |
|------------|---------|---------|----------------------------------|----------------------------------|---------|
| | Ant1 | 5955 | See test graph | See test graph | PASS |
| | Ant2 | 5955 | See test graph | See test graph | PASS |
| | Ant1 | 6175 | See test graph | See test graph | PASS |
| | Ant2 | 6175 | See test graph | See test graph | PASS |
| | Ant1 | 6415 | See test graph | See test graph | PASS |
| | Ant2 | 6415 | See test graph | See test graph | PASS |
| | Ant1 | 6435 | See test graph | See test graph | PASS |
| | Ant2 | 6435 | See test graph | See test graph | PASS |
| | Ant1 | 6475 | See test graph | See test graph | PASS |
| | Ant2 | 6475 | See test graph | See test graph | PASS |
| | Ant1 | 6515 | See test graph | See test graph | PASS |
| | Ant2 | 6515 | See test graph | See test graph | PASS |
| 11AX20MIMO | Ant1 | 6535 | See test graph | See test graph | PASS |
| | Ant2 | 6535 | See test graph | See test graph | PASS |
| | Ant1 | 6715 | See test graph | See test graph | PASS |
| | Ant2 | 6715 | See test graph | See test graph | PASS |
| | Ant1 | 6855 | See test graph | See test graph | PASS |
| | Ant2 | 6855 | See test graph | See test graph | PASS |
| | Ant1 | 6875 | See test graph | See test graph | PASS |
| | Ant2 | 6875 | See test graph | See test graph | PASS |
| | Ant1 | 7015 | See test graph | See test graph | PASS |
| | Ant2 | 7015 | See test graph | See test graph | PASS |
| | Ant1 | 7115 | See test graph | See test graph | PASS |
| | Ant2 | 7115 | See test graph | See test graph | PASS |
| | Ant1 | 5965 | See test graph | See test graph | PASS |
| | Ant2 | 5965 | See test graph | See test graph | PASS |
| | Ant1 | 6165 | See test graph | See test graph | PASS |
| | Ant2 | 6165 | See test graph | See test graph | PASS |
| | Ant1 | 6405 | See test graph | See test graph | PASS |
| | Ant2 | 6405 | See test graph | See test graph | PASS |
| | Ant1 | 6445 | See test graph | See test graph | PASS |
| | Ant2 | 6445 | See test graph | See test graph | PASS |
| | Ant1 | 6485 | See test graph | See test graph | PASS |
| | Ant2 | 6485 | See test graph | See test graph | PASS |
| | Ant1 | 6525 | See test graph | See test graph | PASS |
| | Ant2 | 6525 | See test graph | See test graph | PASS |
| 11AX40MIMO | Ant1 | 6565 | See test graph | See test graph | PASS |
| | Ant2 | 6565 | See test graph | See test graph | PASS |
| | Ant1 | 6725 | See test graph | See test graph | PASS |
| | Ant2 | 6725 | See test graph | See test graph | PASS |
| | Ant1 | 6845 | See test graph | See test graph | PASS |
| | Ant2 | 6845 | See test graph | See test graph | PASS |
| | Ant1 | 6885 | See test graph | See test graph | PASS |
| | Ant2 | 6885 | | | PASS |
| | Ant1 | 7005 | See test graph See test graph | See test graph See test graph | PASS |
| | | 7005 | See test graph | See test graph | PASS |
| | Ant2 | 7005 | | | PASS |
| | Ant1 | | See test graph | See test graph | |
| | Ant2 | 7085 | See test graph | See test graph | PASS |
| | Ant1 | 5985 | See test graph | See test graph | PASS |
| | Ant2 | 5985 | See test graph | See test graph | PASS |
| 11AX80MIMO | Ant1 | 6145 | See test graph | See test graph | PASS |
| | Ant2 | 6145 | See test graph | See test graph | PASS |
| | Ant1 | 6385 | See test graph | See test graph | PASS |

REPORT NO.: 4790153138.1-5 Page 264 of 374

| Ant2 | 6385 | See test graph | See test graph | PASS |
|------|------|----------------|----------------|------|
| Ant1 | 6465 | See test graph | See test graph | PASS |
| Ant2 | 6465 | See test graph | See test graph | PASS |
| Ant1 | 6545 | See test graph | See test graph | PASS |
| Ant2 | 6545 | See test graph | See test graph | PASS |
| Ant1 | 6625 | See test graph | See test graph | PASS |
| Ant2 | 6625 | See test graph | See test graph | PASS |
| Ant1 | 6705 | See test graph | See test graph | PASS |
| Ant2 | 6705 | See test graph | See test graph | PASS |
| Ant1 | 6785 | See test graph | See test graph | PASS |
| Ant2 | 6785 | See test graph | See test graph | PASS |
| Ant1 | 6865 | See test graph | See test graph | PASS |
| Ant2 | 6865 | See test graph | See test graph | PASS |
| Ant1 | 6945 | See test graph | See test graph | PASS |
| Ant2 | 6945 | See test graph | See test graph | PASS |
| Ant1 | 7025 | See test graph | See test graph | PASS |
| Ant2 | 7025 | See test graph | See test graph | PASS |





12.7.2. Mode Test Graphs



