

Appendix for WIFI 5GHz

Product Name: Realia

Model No: VR2

Appendix A: Emission Bandwidth

Test Result

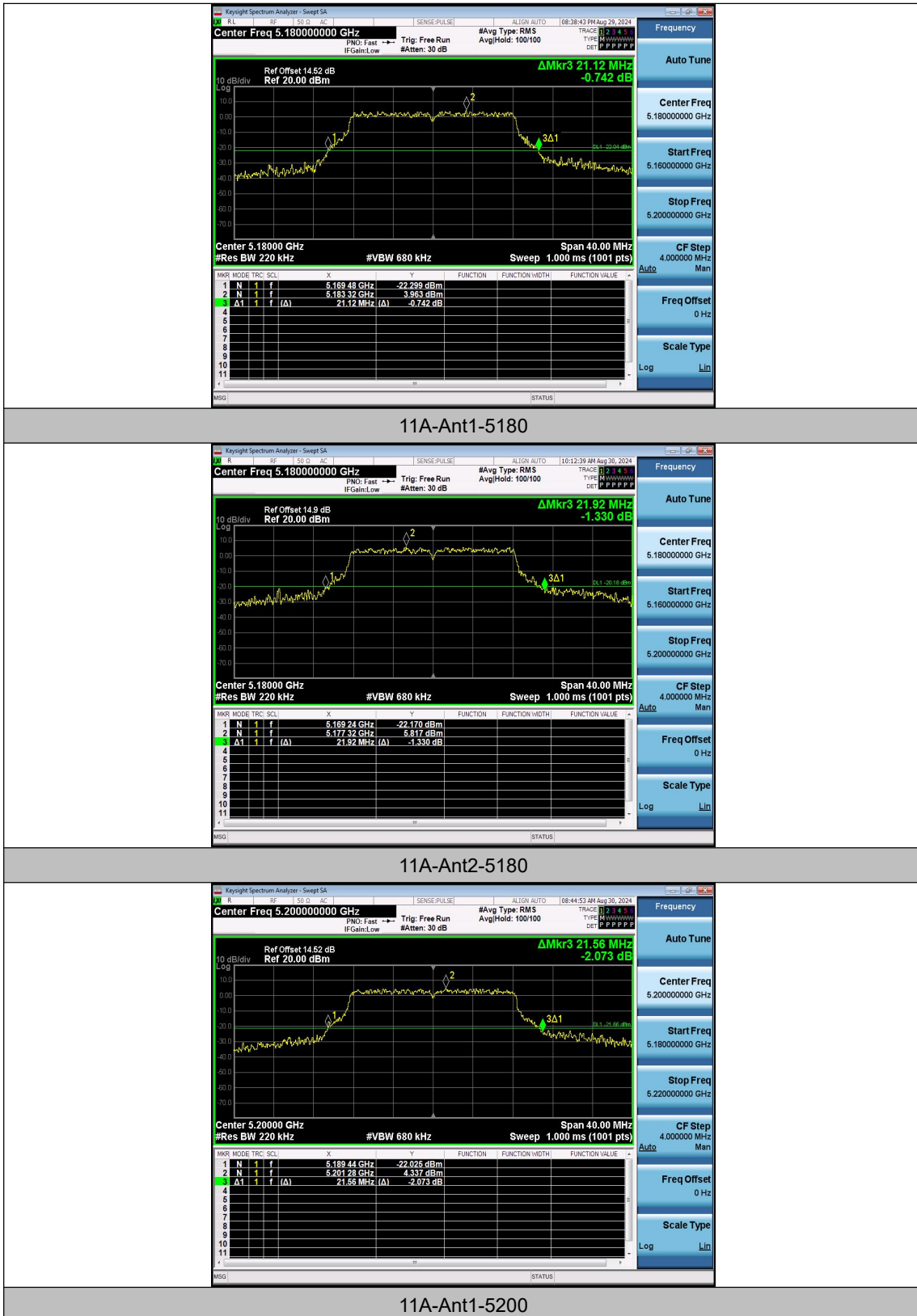
| TestMode | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------------|----------|----------|------------|---------|
| 11A | Ant1 | 5180 | 21.120 | 5169.480 | 5190.600 | --- | --- |
| 11A | Ant2 | 5180 | 21.920 | 5169.240 | 5191.160 | --- | --- |
| 11A | Ant1 | 5200 | 21.560 | 5189.440 | 5211.000 | --- | --- |
| 11A | Ant2 | 5200 | 22.440 | 5188.920 | 5211.360 | --- | --- |
| 11A | Ant1 | 5240 | 22.640 | 5229.440 | 5252.080 | --- | --- |
| 11A | Ant2 | 5240 | 22.800 | 5229.320 | 5252.120 | --- | --- |
| 11N20MIMO | Ant1 | 5180 | 21.240 | 5169.400 | 5190.640 | --- | --- |
| 11N20MIMO | Ant2 | 5180 | 21.600 | 5169.160 | 5190.760 | --- | --- |
| 11N20MIMO | Ant1 | 5200 | 21.720 | 5189.200 | 5210.920 | --- | --- |
| 11N20MIMO | Ant2 | 5200 | 21.440 | 5189.480 | 5210.920 | --- | --- |
| 11N20MIMO | Ant1 | 5240 | 21.440 | 5229.200 | 5250.640 | --- | --- |
| 11N20MIMO | Ant2 | 5240 | 21.600 | 5229.360 | 5250.960 | --- | --- |
| 11N40MIMO | Ant1 | 5190 | 48.800 | 5170.080 | 5218.880 | --- | --- |
| 11N40MIMO | Ant2 | 5190 | 48.560 | 5170.240 | 5218.800 | --- | --- |
| 11N40MIMO | Ant1 | 5230 | 39.440 | 5210.320 | 5249.760 | --- | --- |
| 11N40MIMO | Ant2 | 5230 | 52.640 | 5206.480 | 5259.120 | --- | --- |
| 11AC20MIMO | Ant1 | 5180 | 21.280 | 5169.240 | 5190.520 | --- | --- |
| 11AC20MIMO | Ant2 | 5180 | 21.400 | 5169.320 | 5190.720 | --- | --- |
| 11AC20MIMO | Ant1 | 5200 | 21.680 | 5189.160 | 5210.840 | --- | --- |
| 11AC20MIMO | Ant2 | 5200 | 18.080 | 5190.960 | 5209.040 | --- | --- |
| 11AC20MIMO | Ant1 | 5240 | 21.720 | 5229.160 | 5250.880 | --- | --- |
| 11AC20MIMO | Ant2 | 5240 | 21.320 | 5229.280 | 5250.600 | --- | --- |
| 11AC40MIMO | Ant1 | 5190 | 40.320 | 5169.920 | 5210.240 | --- | --- |
| 11AC40MIMO | Ant2 | 5190 | 40.320 | 5170.000 | 5210.320 | --- | --- |
| 11AC40MIMO | Ant1 | 5230 | 40.320 | 5209.920 | 5250.240 | --- | --- |
| 11AC40MIMO | Ant2 | 5230 | 40.400 | 5209.840 | 5250.240 | --- | --- |
| 11AC80MIMO | Ant1 | 5210 | 80.960 | 5169.840 | 5250.800 | --- | --- |
| 11AC80MIMO | Ant2 | 5210 | 97.600 | 5155.920 | 5253.520 | --- | --- |
| 11AX20MIMO | Ant1 | 5180 | 21.480 | 5169.440 | 5190.920 | --- | --- |
| 11AX20MIMO | Ant2 | 5180 | 21.160 | 5169.320 | 5190.480 | --- | --- |
| 11AX20MIMO | Ant1 | 5200 | 21.200 | 5189.400 | 5210.600 | --- | --- |
| 11AX20MIMO | Ant2 | 5200 | 19.480 | 5190.240 | 5209.720 | --- | --- |
| 11AX20MIMO | Ant1 | 5240 | 21.200 | 5229.560 | 5250.760 | --- | --- |
| 11AX20MIMO | Ant2 | 5240 | 21.080 | 5229.480 | 5250.560 | --- | --- |
| 11AX40MIMO | Ant1 | 5190 | 39.920 | 5170.080 | 5210.000 | --- | --- |
| 11AX40MIMO | Ant2 | 5190 | 39.760 | 5170.160 | 5209.920 | --- | --- |

| | | | | | | | |
|------------|------|------|---------|----------|----------|-----|-----|
| 11AX40MIMO | Ant1 | 5230 | 42.400 | 5210.000 | 5252.400 | --- | --- |
| 11AX40MIMO | Ant2 | 5230 | 39.840 | 5210.000 | 5249.840 | --- | --- |
| 11AX80MIMO | Ant1 | 5210 | 81.120 | 5169.520 | 5250.640 | --- | --- |
| 11AX80MIMO | Ant2 | 5210 | 107.680 | 5153.360 | 5261.040 | --- | --- |

| TestMode | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------------|----------|----------|------------|---------|
| 11A | Ant1 | 5745 | 27.280 | 5734.240 | 5761.520 | --- | --- |
| 11A | Ant2 | 5745 | 24.840 | 5734.280 | 5759.120 | --- | --- |
| 11A | Ant1 | 5785 | 21.720 | 5774.480 | 5796.200 | --- | --- |
| 11A | Ant2 | 5785 | 27.240 | 5774.320 | 5801.560 | --- | --- |
| 11A | Ant1 | 5825 | 21.480 | 5814.240 | 5835.720 | --- | --- |
| 11A | Ant2 | 5825 | 25.280 | 5814.160 | 5839.440 | --- | --- |
| 11N20MIMO | Ant1 | 5745 | 22.560 | 5734.200 | 5756.760 | --- | --- |
| 11N20MIMO | Ant2 | 5745 | 31.480 | 5728.600 | 5760.080 | --- | --- |
| 11N20MIMO | Ant1 | 5785 | 21.200 | 5774.440 | 5795.640 | --- | --- |
| 11N20MIMO | Ant2 | 5785 | 21.280 | 5774.360 | 5795.640 | --- | --- |
| 11N20MIMO | Ant1 | 5825 | 21.480 | 5814.120 | 5835.600 | --- | --- |
| 11N20MIMO | Ant2 | 5825 | 36.840 | 5805.000 | 5841.840 | --- | --- |
| 11N40MIMO | Ant1 | 5755 | 53.840 | 5730.680 | 5784.520 | --- | --- |
| 11N40MIMO | Ant2 | 5755 | 49.760 | 5735.320 | 5785.080 | --- | --- |
| 11N40MIMO | Ant1 | 5795 | 54.080 | 5770.760 | 5824.840 | --- | --- |
| 11N40MIMO | Ant2 | 5795 | 49.280 | 5775.240 | 5824.520 | --- | --- |
| 11AC20MIMO | Ant1 | 5745 | 22.320 | 5734.200 | 5756.520 | --- | --- |
| 11AC20MIMO | Ant2 | 5745 | 35.480 | 5728.720 | 5764.200 | --- | --- |
| 11AC20MIMO | Ant1 | 5785 | 21.600 | 5774.240 | 5795.840 | --- | --- |
| 11AC20MIMO | Ant2 | 5785 | 27.360 | 5774.080 | 5801.440 | --- | --- |
| 11AC20MIMO | Ant1 | 5825 | 21.280 | 5814.360 | 5835.640 | --- | --- |
| 11AC20MIMO | Ant2 | 5825 | 34.440 | 5806.080 | 5840.520 | --- | --- |
| 11AC40MIMO | Ant1 | 5755 | 39.840 | 5734.840 | 5774.680 | --- | --- |
| 11AC40MIMO | Ant2 | 5755 | 40.320 | 5735.000 | 5775.320 | --- | --- |
| 11AC40MIMO | Ant1 | 5795 | 40.320 | 5774.520 | 5814.840 | --- | --- |
| 11AC40MIMO | Ant2 | 5795 | 40.720 | 5774.520 | 5815.240 | --- | --- |
| 11AC80MIMO | Ant1 | 5775 | 81.600 | 5734.360 | 5815.960 | --- | --- |
| 11AC80MIMO | Ant2 | 5775 | 81.280 | 5734.680 | 5815.960 | --- | --- |
| 11AX20MIMO | Ant1 | 5745 | 21.440 | 5734.400 | 5755.840 | --- | --- |
| 11AX20MIMO | Ant2 | 5745 | 23.600 | 5734.400 | 5758.000 | --- | --- |
| 11AX20MIMO | Ant1 | 5785 | 27.200 | 5774.240 | 5801.440 | --- | --- |
| 11AX20MIMO | Ant2 | 5785 | 26.280 | 5774.440 | 5800.720 | --- | --- |
| 11AX20MIMO | Ant1 | 5825 | 21.160 | 5814.520 | 5835.680 | --- | --- |
| 11AX20MIMO | Ant2 | 5825 | 21.520 | 5814.200 | 5835.720 | --- | --- |

| | | | | | | | |
|------------|------|------|--------|----------|----------|-----|-----|
| 11AX40MIMO | Ant1 | 5755 | 40.080 | 5735.000 | 5775.080 | --- | --- |
| 11AX40MIMO | Ant2 | 5755 | 39.840 | 5734.920 | 5774.760 | --- | --- |
| 11AX40MIMO | Ant1 | 5795 | 39.600 | 5775.160 | 5814.760 | --- | --- |
| 11AX40MIMO | Ant2 | 5795 | 39.920 | 5775.080 | 5815.000 | --- | --- |
| 11AX80MIMO | Ant1 | 5775 | 81.600 | 5734.360 | 5815.960 | --- | --- |
| 11AX80MIMO | Ant2 | 5775 | 82.080 | 5734.840 | 5816.920 | --- | --- |

Test Graphs





11A-Ant2-5200



11A-Ant1-5240



11A-Ant2-5240



11N20MIMO-Ant1-5180



11N20MIMO-Ant2-5180



11N20MIMO-Ant1-5200



11N20MIMO-Ant2-5200



11N20MIMO-Ant1-5240



11N20MIMO-Ant2-5240



11N40MIMO-Ant1-5190



11N40MIMO-Ant2-5190



11N40MIMO-Ant1-5230



11N40MIMO-Ant2-5230



11AC20MIMO-Ant1-5180



11AC20MIMO-Ant2-5180



11AC20MIMO-Ant1-5200



11AC20MIMO-Ant2-5200



11AC20MIMO-Ant1-5240



11AC20MIMO-Ant2-5240



11AC40MIMO-Ant1-5190



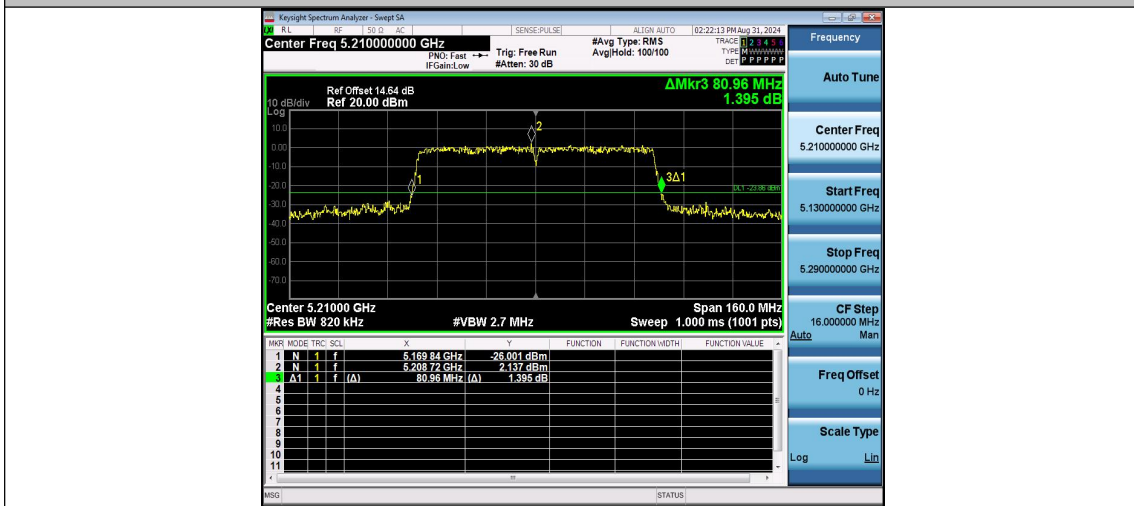
11AC40MIMO-Ant2-5190



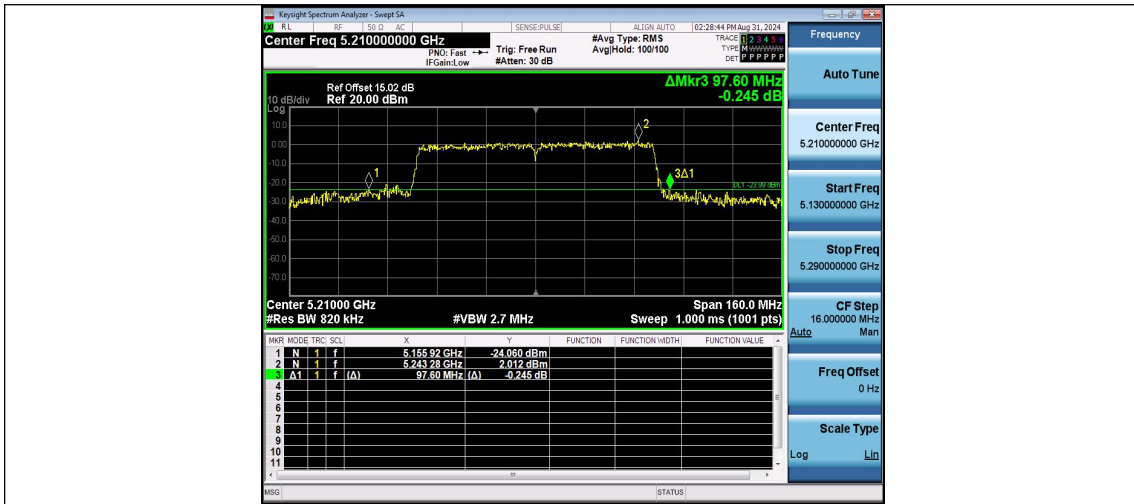
11AC40MIMO-Ant1-5230



11AC40MIMO-Ant2-5230



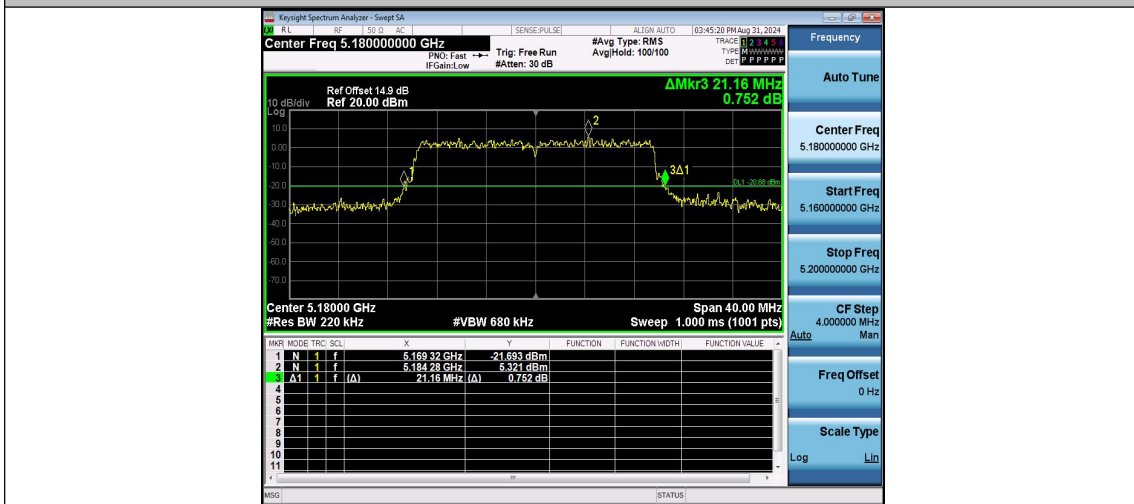
11AC80MIMO-Ant1-5210



11AC80MIMO-Ant2-5210



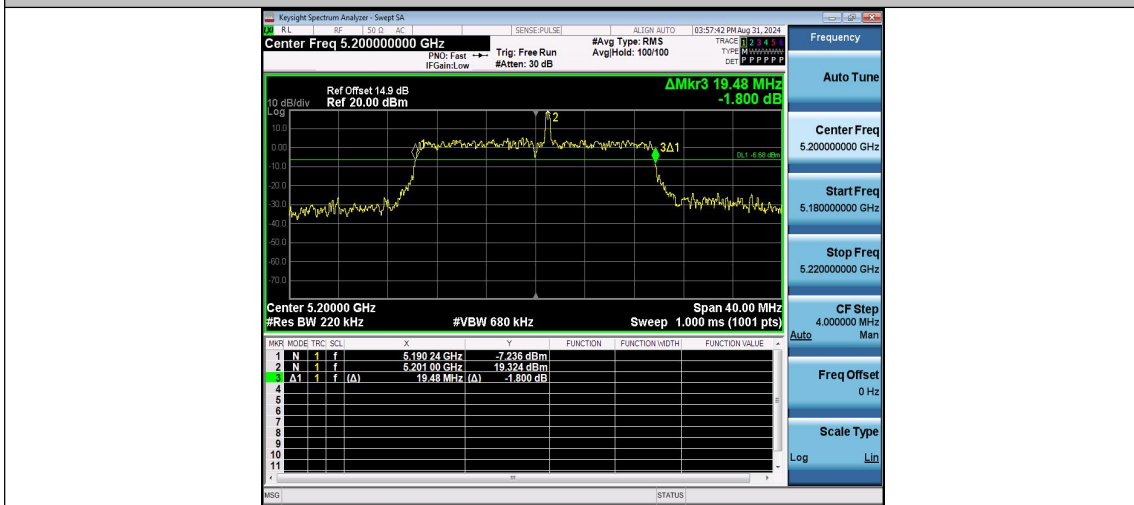
11AX20MIMO-Ant1-5180



11AX20MIMO-Ant2-5180



11AX20MIMO-Ant1-5200



11AX20MIMO-Ant2-5200



11AX20MIMO-Ant1-5240