

11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

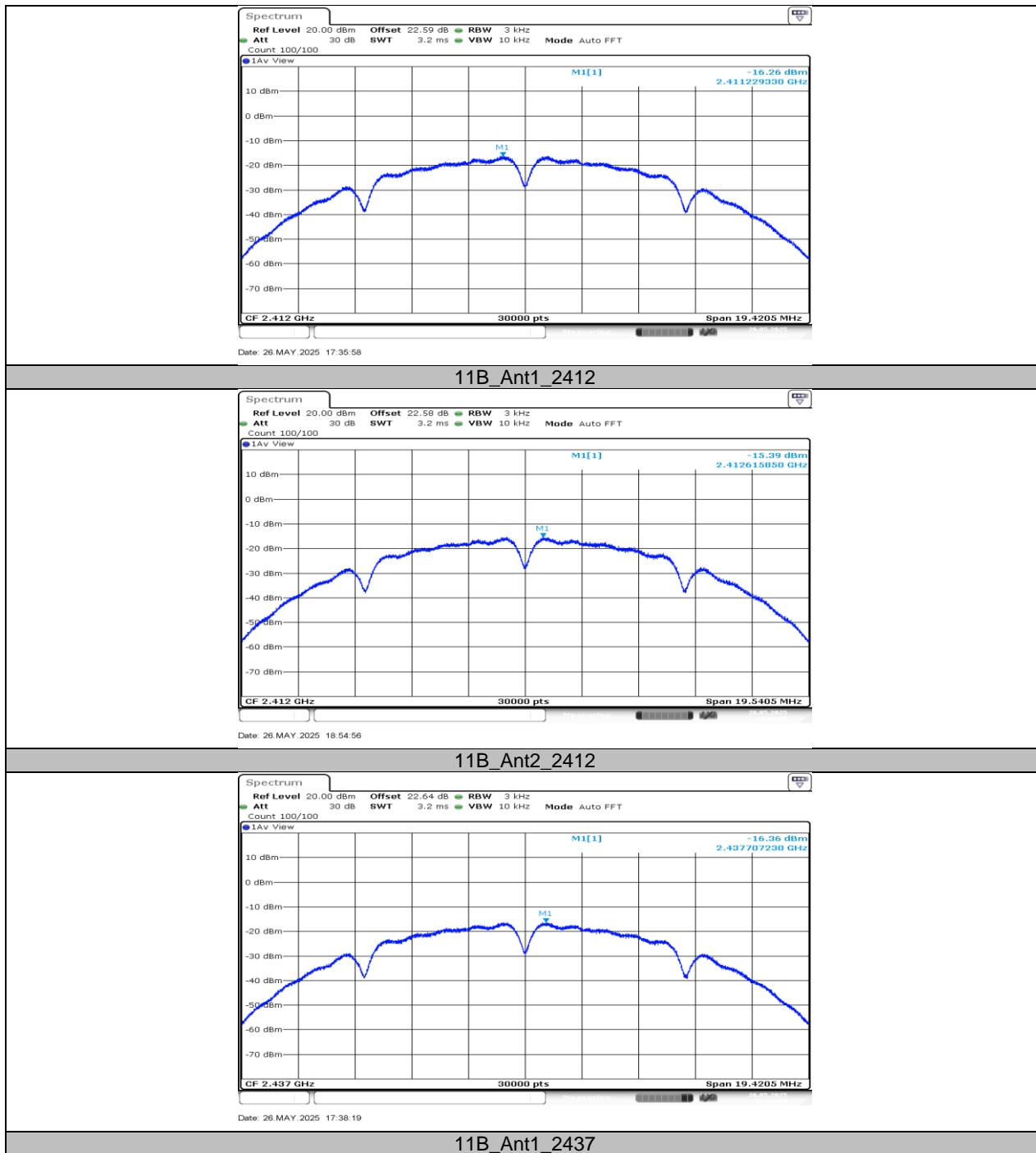
| Test Mode | Antenna | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|----------------|-------------|------------|---------|
| 11B | Ant1 | 2412 | 14.50 | ≤30.00 | PASS |
| | Ant2 | 2412 | 15.52 | ≤30.00 | PASS |
| | Ant1 | 2437 | 14.41 | ≤30.00 | PASS |
| | Ant2 | 2437 | 15.22 | ≤30.00 | PASS |
| | Ant1 | 2462 | 14.17 | ≤30.00 | PASS |
| | Ant2 | 2462 | 14.93 | ≤30.00 | PASS |
| 11G | Ant1 | 2412 | 14.17 | ≤30.00 | PASS |
| | Ant2 | 2412 | 15.15 | ≤30.00 | PASS |
| | Ant1 | 2437 | 13.84 | ≤30.00 | PASS |
| | Ant2 | 2437 | 14.64 | ≤30.00 | PASS |
| | Ant1 | 2462 | 13.70 | ≤30.00 | PASS |
| | Ant2 | 2462 | 14.40 | ≤30.00 | PASS |
| 11N20MIMO | Ant1 | 2412 | 14.10 | ≤30.00 | PASS |
| | Ant2 | 2412 | 15.04 | ≤30.00 | PASS |
| | total | 2412 | 17.61 | ≤30.00 | PASS |
| | Ant1 | 2437 | 13.97 | ≤30.00 | PASS |
| | Ant2 | 2437 | 14.45 | ≤30.00 | PASS |
| | total | 2437 | 17.23 | ≤30.00 | PASS |
| | Ant1 | 2462 | 13.80 | ≤30.00 | PASS |
| | Ant2 | 2462 | 14.26 | ≤30.00 | PASS |
| | total | 2462 | 17.05 | ≤30.00 | PASS |
| 11N40MIMO | Ant1 | 2422 | 13.53 | ≤30.00 | PASS |
| | Ant2 | 2422 | 14.33 | ≤30.00 | PASS |
| | total | 2422 | 16.96 | ≤30.00 | PASS |
| | Ant1 | 2437 | 13.39 | ≤30.00 | PASS |
| | Ant2 | 2437 | 14.17 | ≤30.00 | PASS |
| | total | 2437 | 16.81 | ≤30.00 | PASS |
| | Ant1 | 2452 | 13.40 | ≤30.00 | PASS |
| | Ant2 | 2452 | 14.03 | ≤30.00 | PASS |
| | total | 2452 | 16.74 | ≤30.00 | PASS |
| 11AX20MIMO | Ant1 | 2412 | 12.73 | ≤30.00 | PASS |
| | Ant2 | 2412 | 13.62 | ≤30.00 | PASS |
| | total | 2412 | 16.21 | ≤30.00 | PASS |
| | Ant1 | 2437 | 12.18 | ≤30.00 | PASS |
| | Ant2 | 2437 | 12.83 | ≤30.00 | PASS |
| | total | 2437 | 15.53 | ≤30.00 | PASS |
| | Ant1 | 2462 | 12.06 | ≤30.00 | PASS |
| | Ant2 | 2462 | 12.57 | ≤30.00 | PASS |
| | total | 2462 | 15.33 | ≤30.00 | PASS |
| 11AX40MIMO | Ant1 | 2422 | 12.08 | ≤30.00 | PASS |
| | Ant2 | 2422 | 12.74 | ≤30.00 | PASS |
| | total | 2422 | 15.43 | ≤30.00 | PASS |
| | Ant1 | 2437 | 11.86 | ≤30.00 | PASS |
| | Ant2 | 2437 | 12.53 | ≤30.00 | PASS |
| | total | 2437 | 15.22 | ≤30.00 | PASS |
| | Ant1 | 2452 | 11.77 | ≤30.00 | PASS |
| | Ant2 | 2452 | 12.36 | ≤30.00 | PASS |
| | total | 2452 | 15.09 | ≤30.00 | PASS |

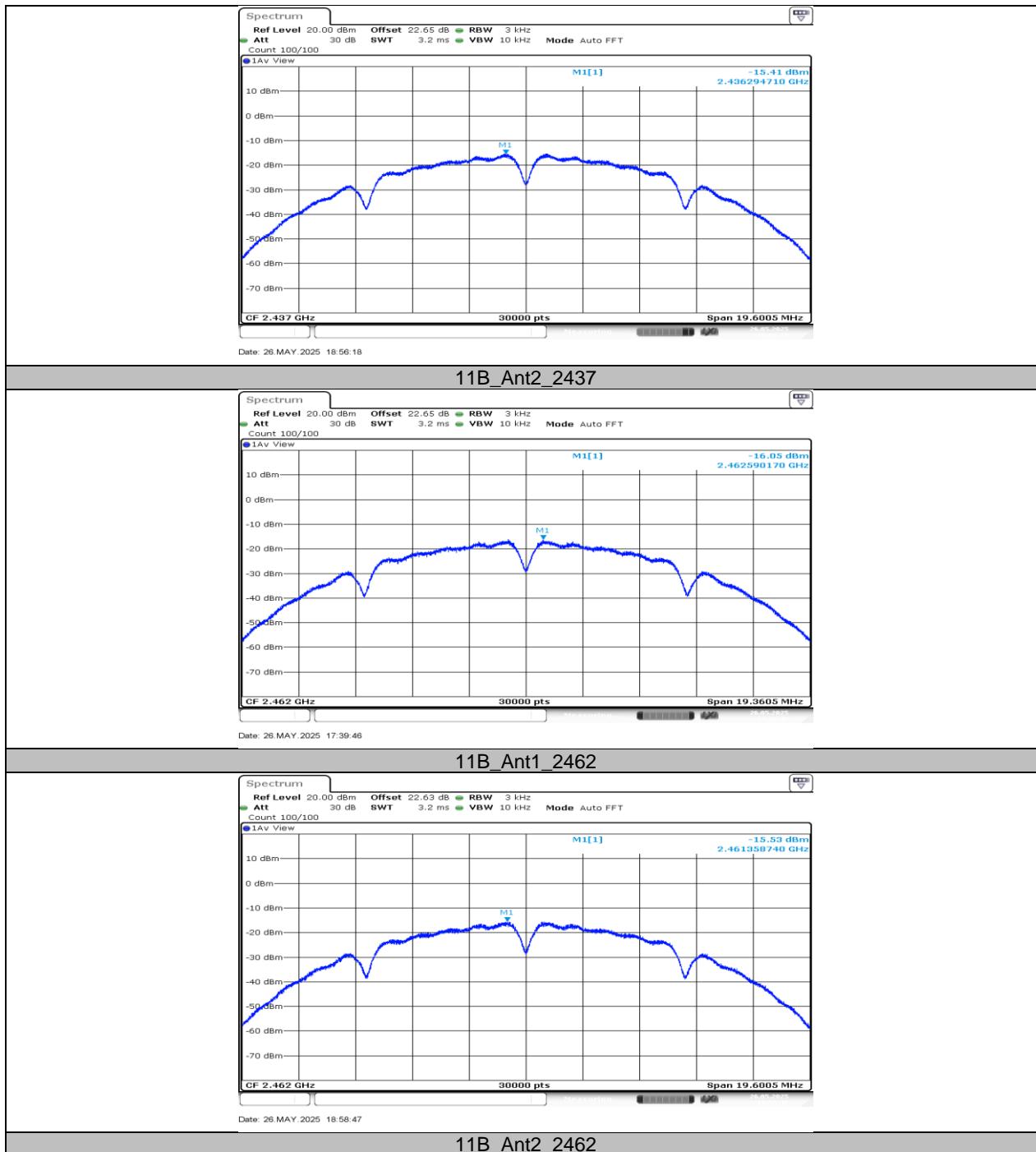
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

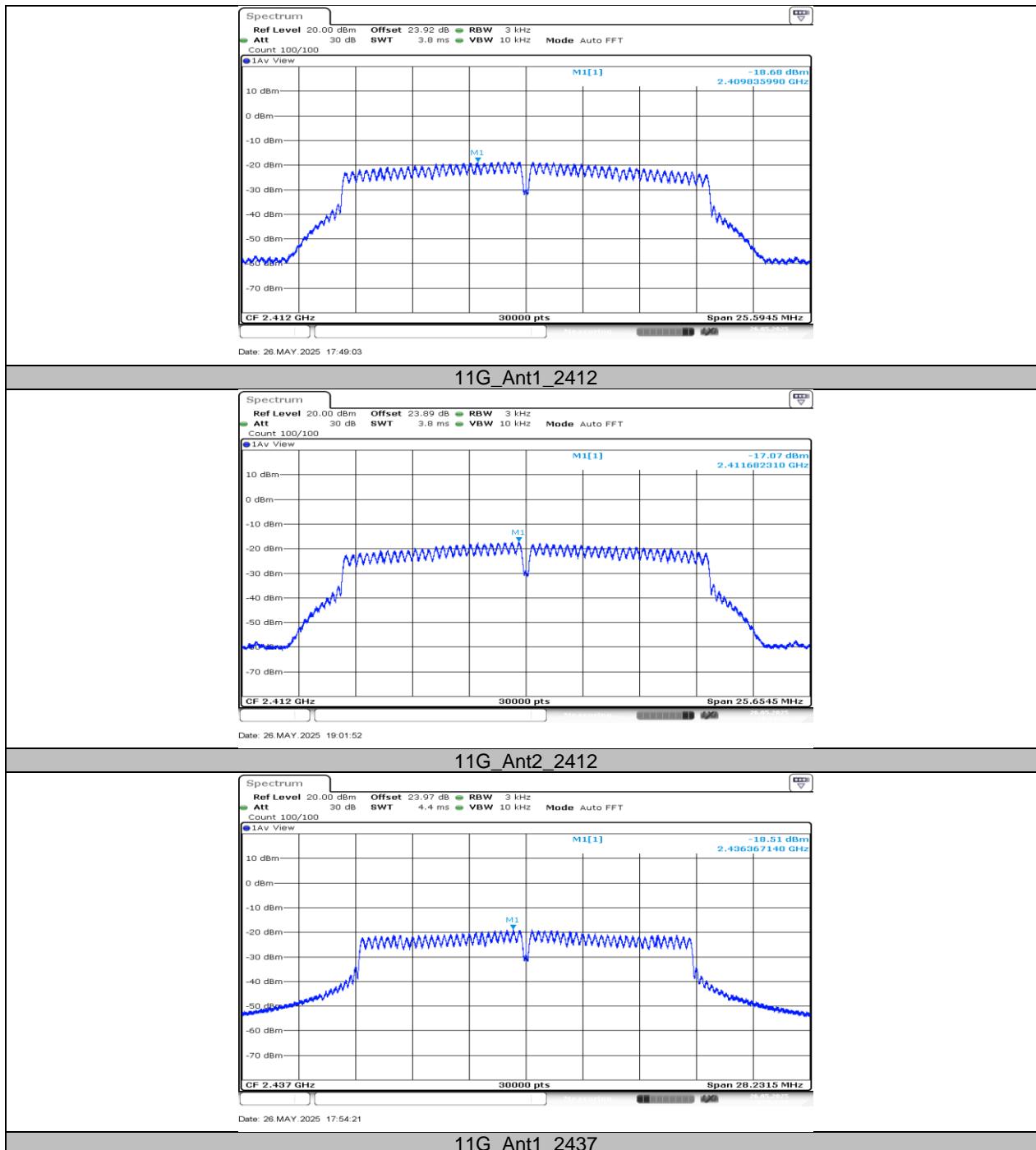
11.4.1. Test Result

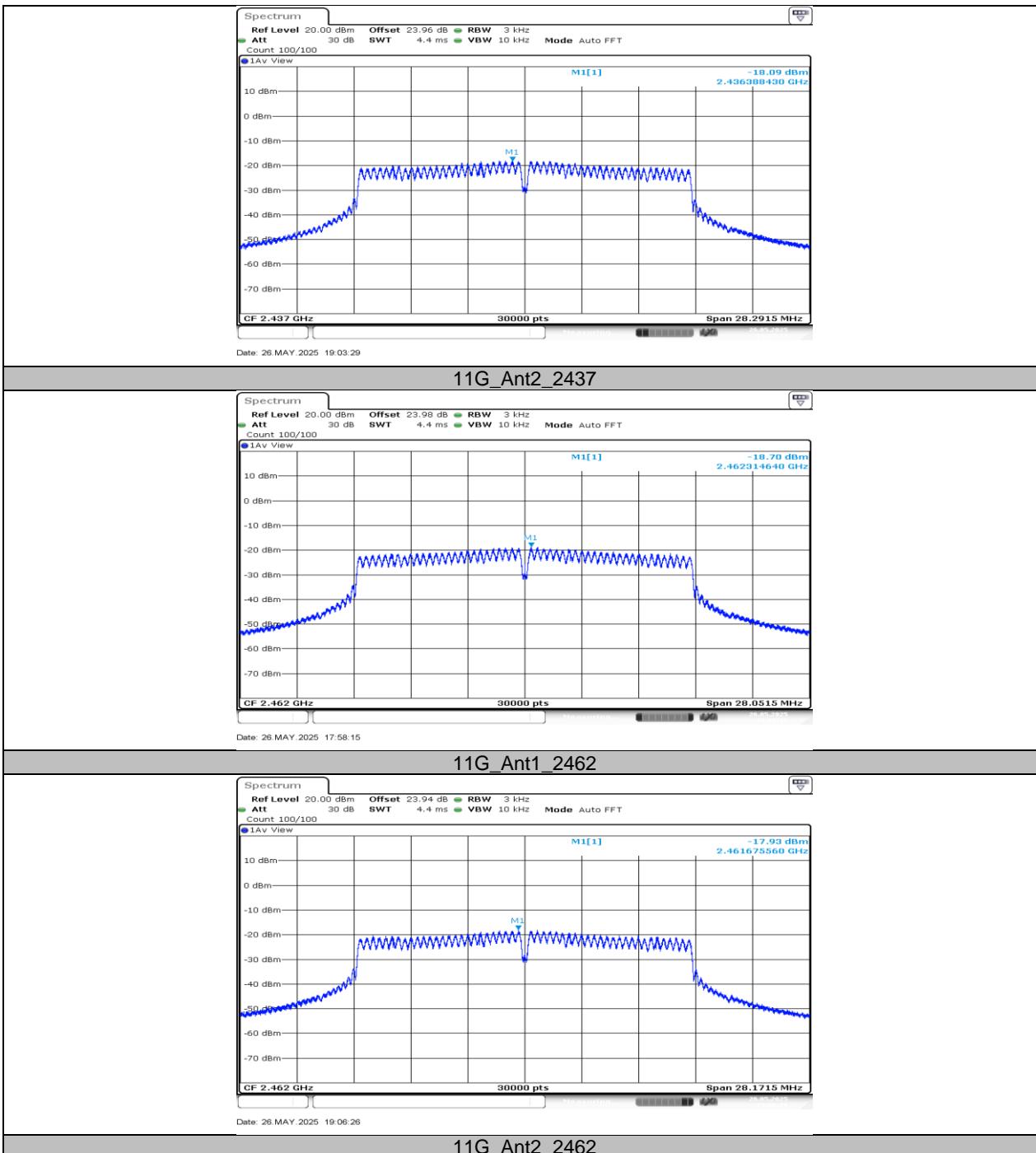
| Test Mode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|------------|---------|----------------|------------------|-----------------|---------|
| 11B | Ant1 | 2412 | -16.26 | ≤8.00 | PASS |
| | Ant2 | 2412 | -15.39 | ≤8.00 | PASS |
| | Ant1 | 2437 | -16.36 | ≤8.00 | PASS |
| | Ant2 | 2437 | -15.41 | ≤8.00 | PASS |
| | Ant1 | 2462 | -16.05 | ≤8.00 | PASS |
| | Ant2 | 2462 | -15.53 | ≤8.00 | PASS |
| 11G | Ant1 | 2412 | -18.68 | ≤8.00 | PASS |
| | Ant2 | 2412 | -17.07 | ≤8.00 | PASS |
| | Ant1 | 2437 | -18.51 | ≤8.00 | PASS |
| | Ant2 | 2437 | -18.09 | ≤8.00 | PASS |
| | Ant1 | 2462 | -18.70 | ≤8.00 | PASS |
| | Ant2 | 2462 | -17.93 | ≤8.00 | PASS |
| 11N20MIMO | Ant1 | 2412 | -18.26 | ≤8.00 | PASS |
| | Ant2 | 2412 | -17.26 | ≤8.00 | PASS |
| | total | 2412 | -14.72 | ≤8.00 | PASS |
| | Ant1 | 2437 | -18.52 | ≤8.00 | PASS |
| | Ant2 | 2437 | -17.69 | ≤8.00 | PASS |
| | total | 2437 | -15.07 | ≤8.00 | PASS |
| | Ant1 | 2462 | -18.90 | ≤8.00 | PASS |
| | Ant2 | 2462 | -17.74 | ≤8.00 | PASS |
| | total | 2462 | -15.27 | ≤8.00 | PASS |
| | Ant1 | 2422 | -19.99 | ≤8.00 | PASS |
| 11N40MIMO | Ant2 | 2422 | -19.58 | ≤8.00 | PASS |
| | total | 2422 | -16.77 | ≤8.00 | PASS |
| | Ant1 | 2437 | -20.19 | ≤8.00 | PASS |
| | Ant2 | 2437 | -20.03 | ≤8.00 | PASS |
| | total | 2437 | -17.10 | ≤8.00 | PASS |
| | Ant1 | 2452 | -19.81 | ≤8.00 | PASS |
| | Ant2 | 2452 | -19.92 | ≤8.00 | PASS |
| | total | 2452 | -16.85 | ≤8.00 | PASS |
| 11AX20MIMO | Ant1 | 2412 | -21.35 | ≤8.00 | PASS |
| | Ant2 | 2412 | -20.37 | ≤8.00 | PASS |
| | total | 2412 | -17.82 | ≤8.00 | PASS |
| | Ant1 | 2437 | -21.72 | ≤8.00 | PASS |
| | Ant2 | 2437 | -20.73 | ≤8.00 | PASS |
| | total | 2437 | -18.19 | ≤8.00 | PASS |
| | Ant1 | 2462 | -21.79 | ≤8.00 | PASS |
| | Ant2 | 2462 | -21.42 | ≤8.00 | PASS |
| 11AX40MIMO | total | 2462 | -18.59 | ≤8.00 | PASS |
| | Ant1 | 2422 | -24.16 | ≤8.00 | PASS |
| | Ant2 | 2422 | -24.01 | ≤8.00 | PASS |
| | total | 2422 | -21.07 | ≤8.00 | PASS |
| | Ant1 | 2437 | -25.26 | ≤8.00 | PASS |
| | Ant2 | 2437 | -23.67 | ≤8.00 | PASS |
| | total | 2437 | -21.38 | ≤8.00 | PASS |
| | Ant1 | 2452 | -24.45 | ≤8.00 | PASS |
| | Ant2 | 2452 | -23.80 | ≤8.00 | PASS |
| | total | 2452 | -21.10 | ≤8.00 | PASS |

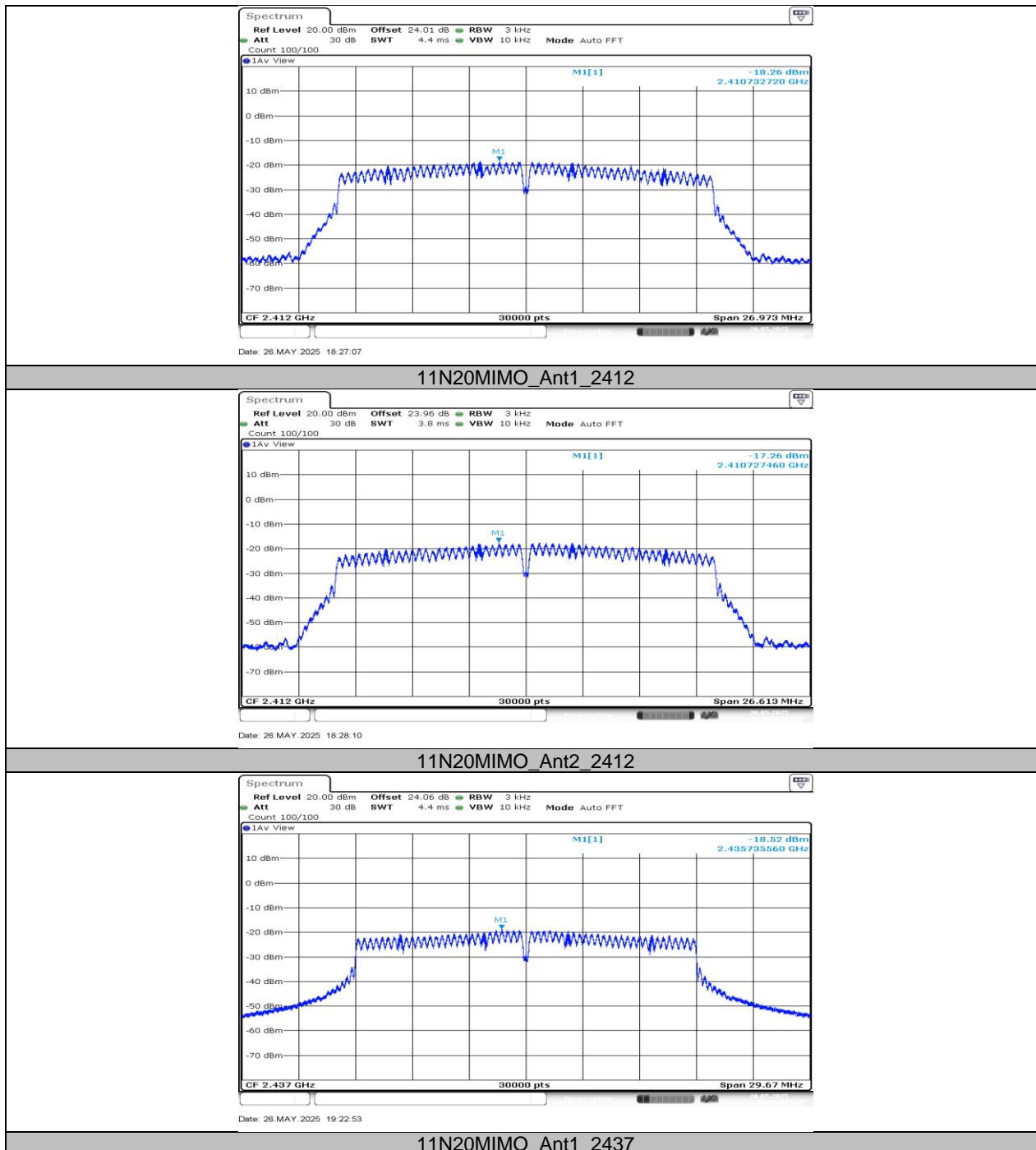
11.4.2. Test Graphs

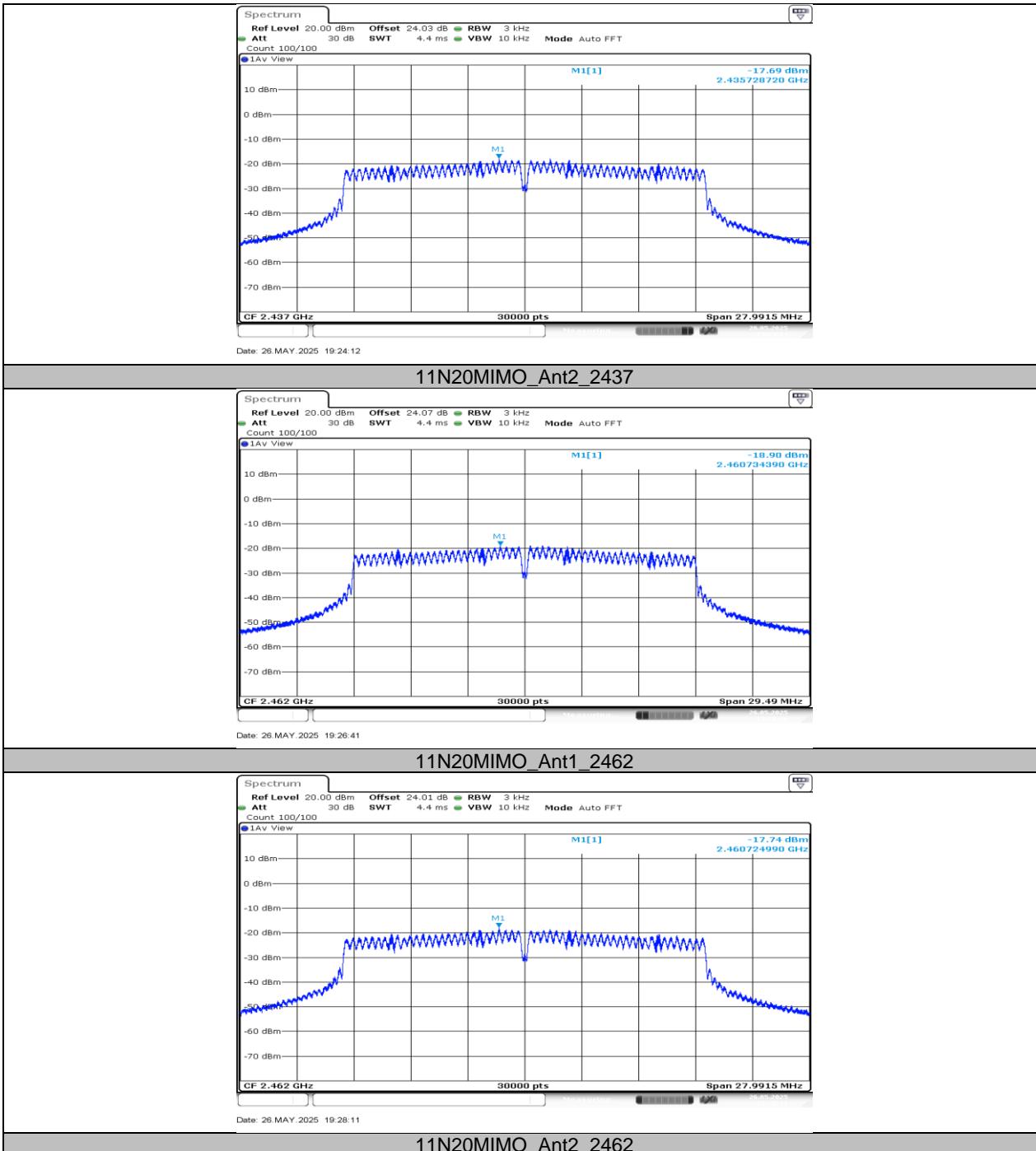


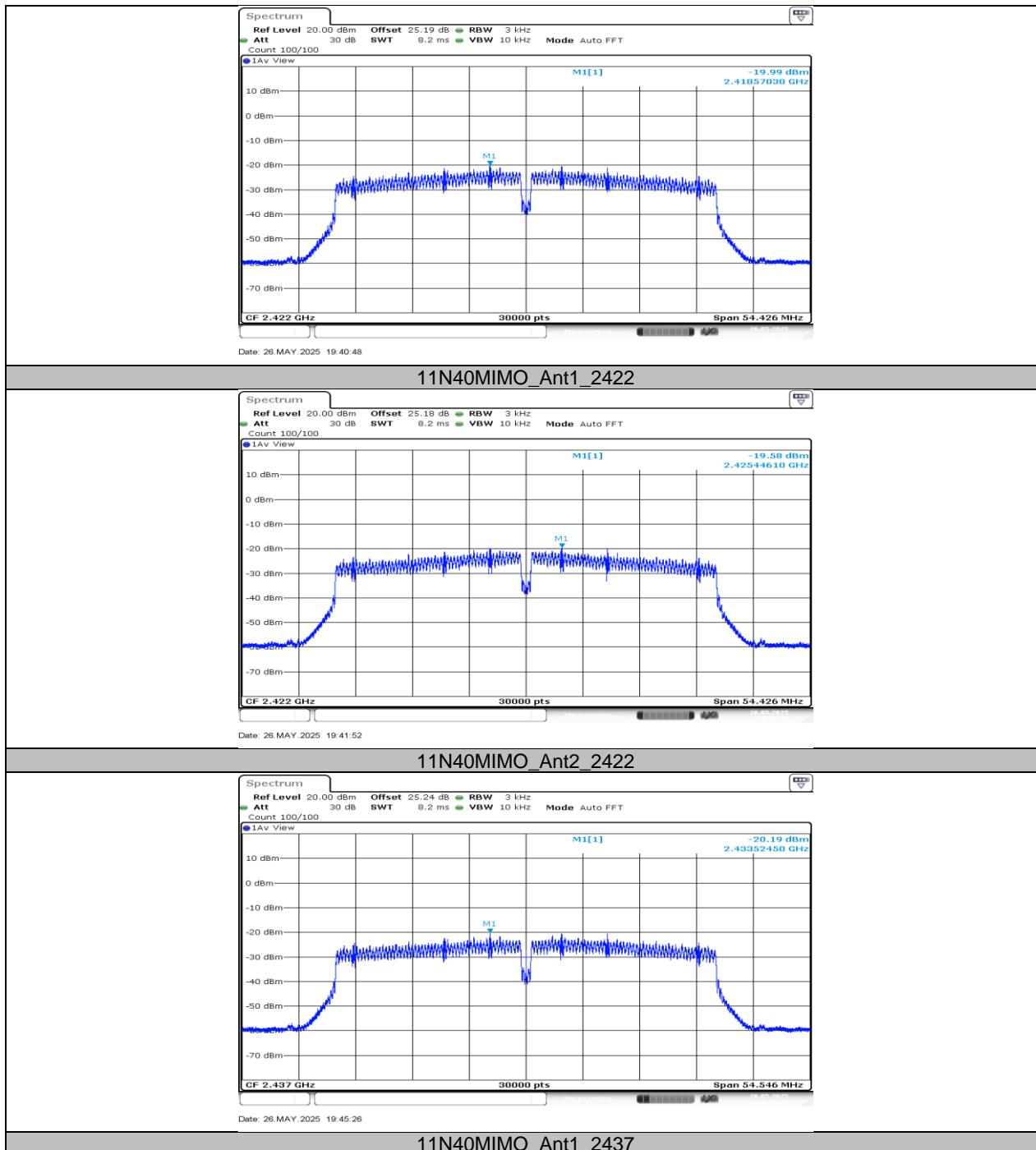


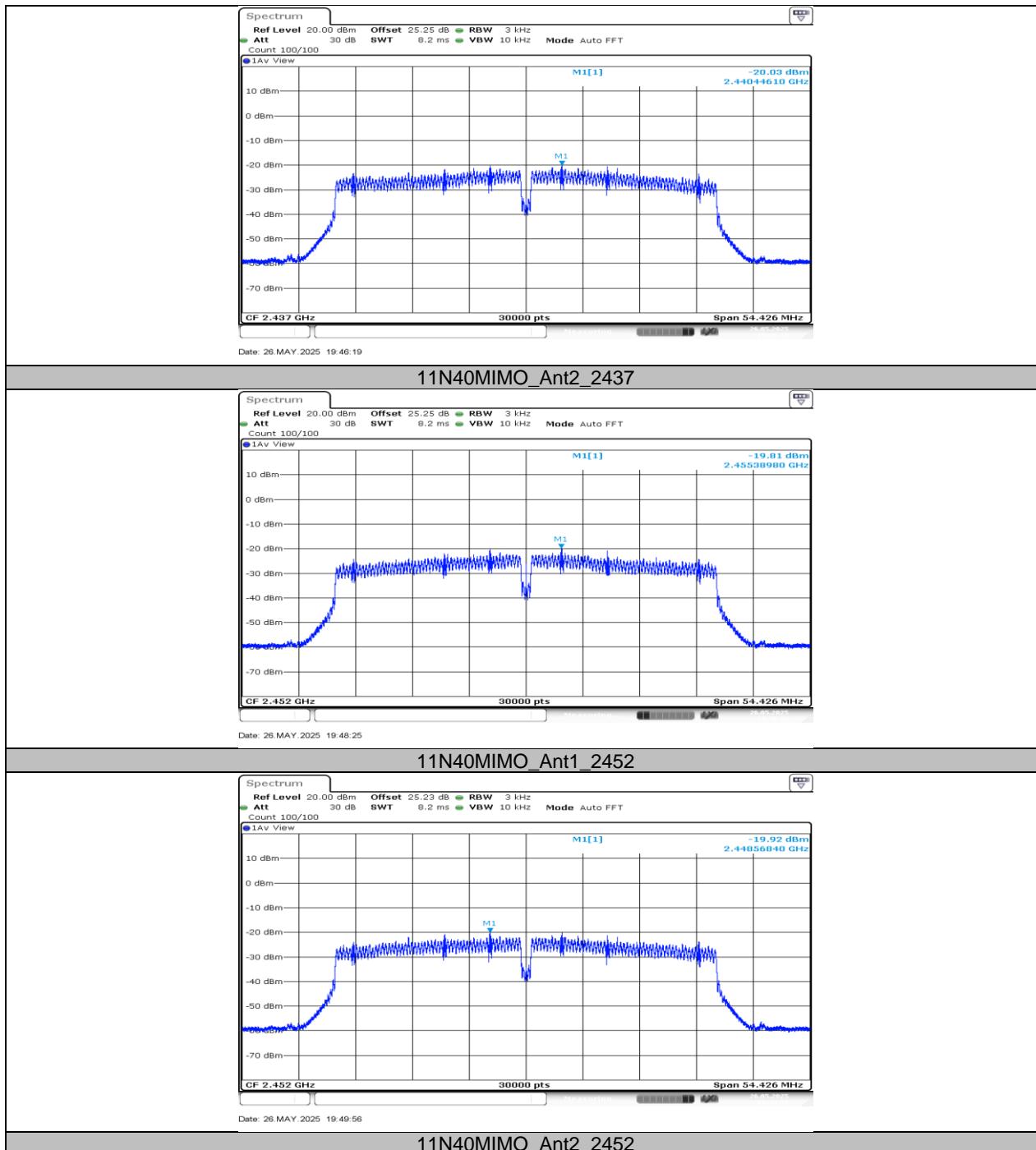


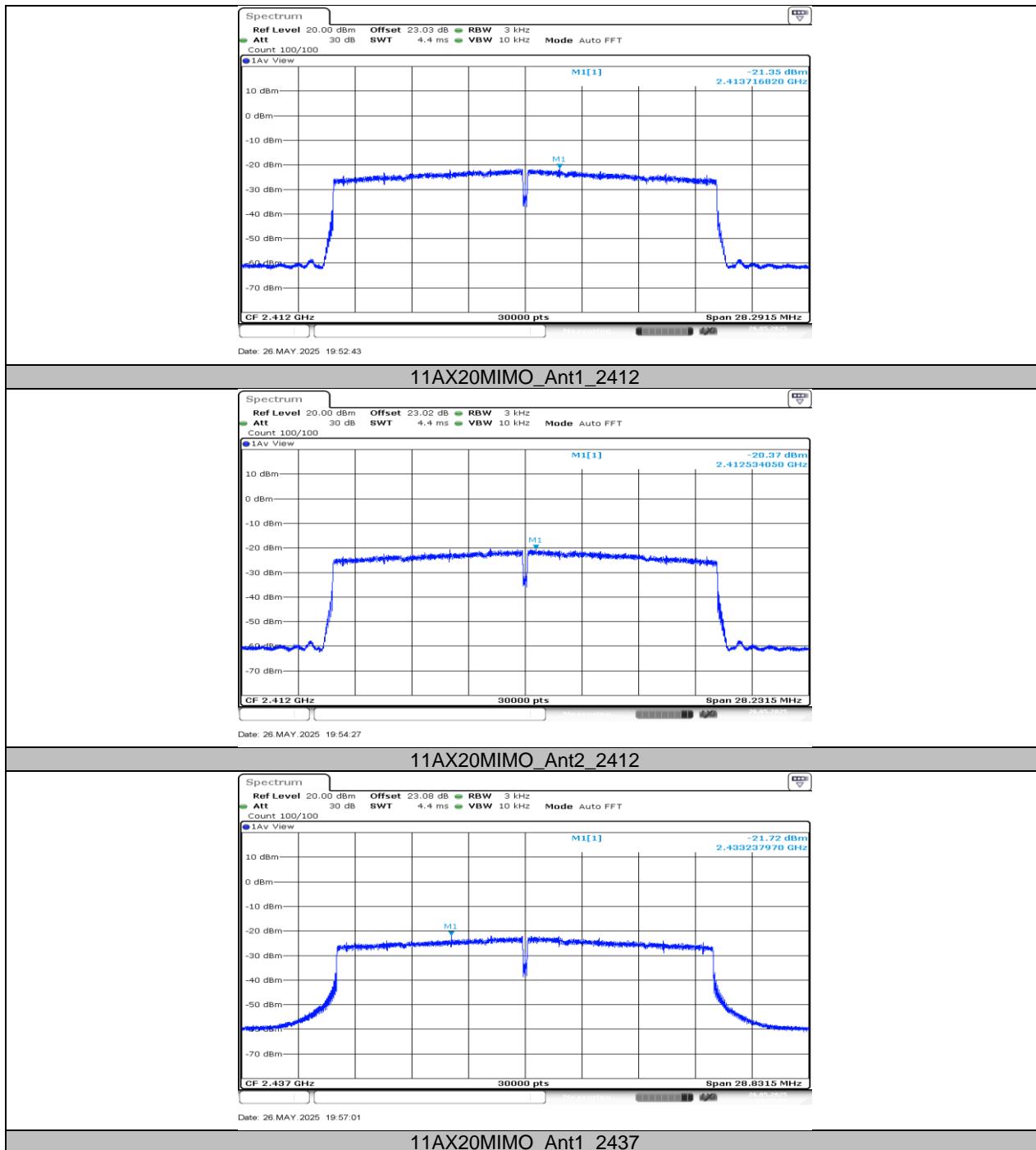


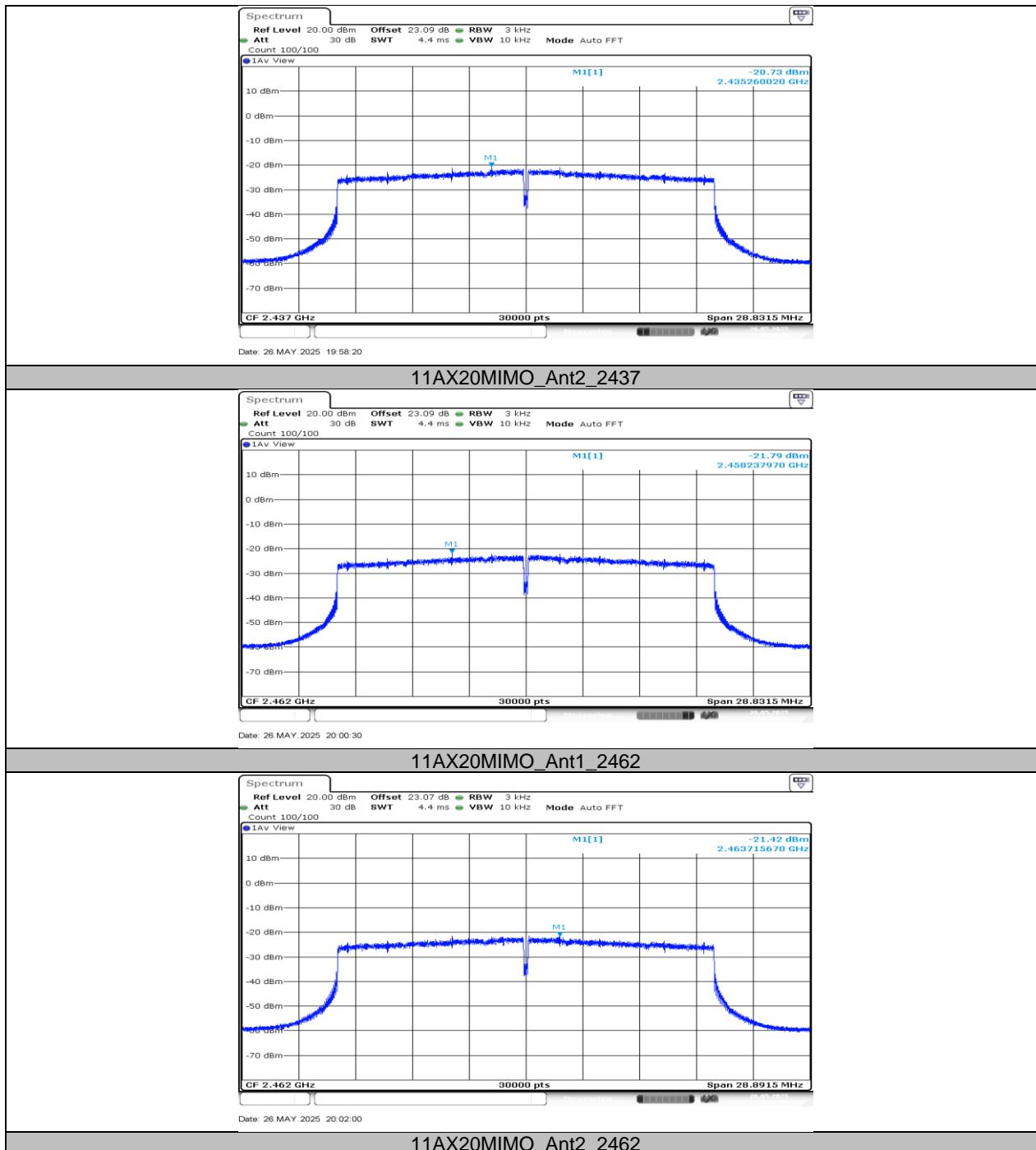


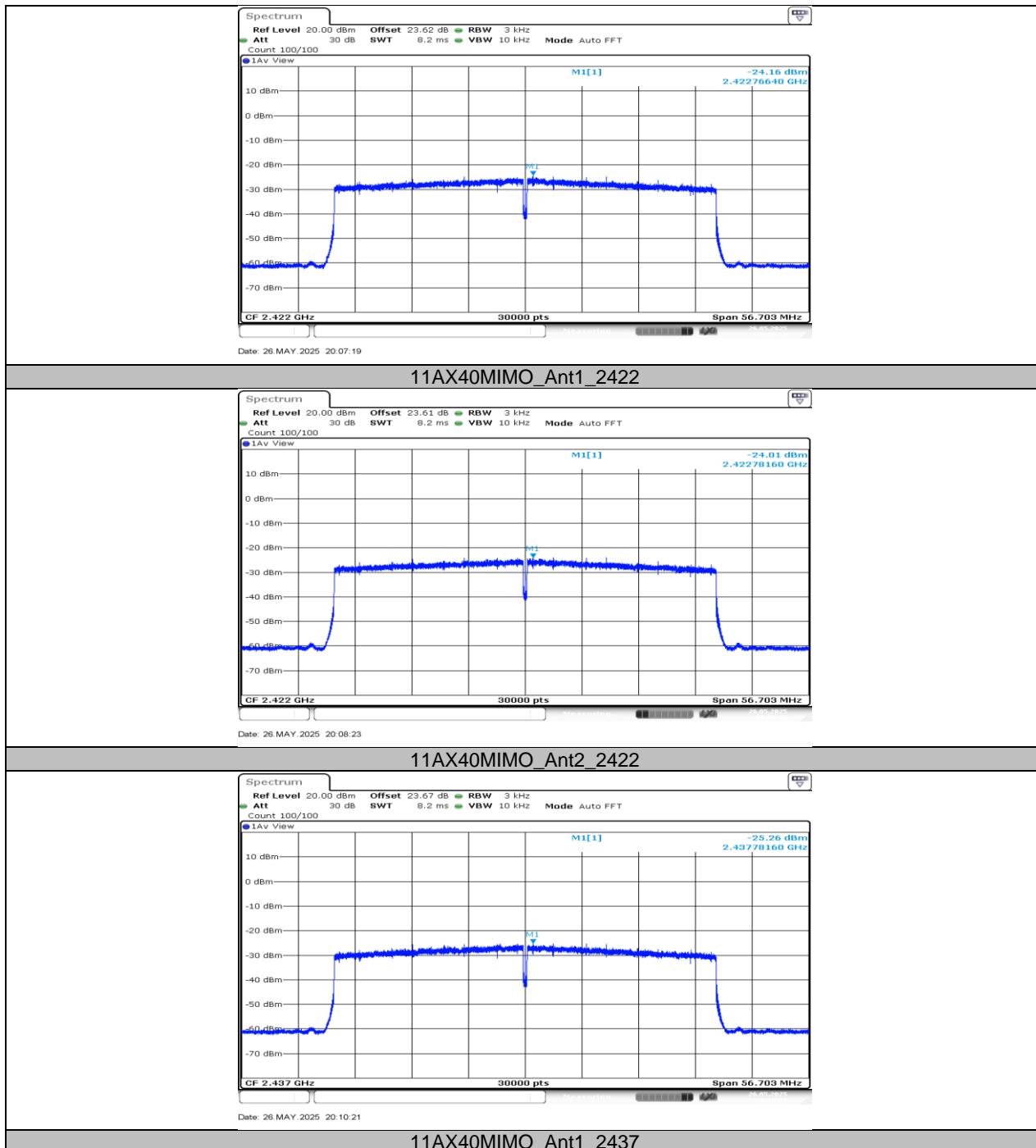


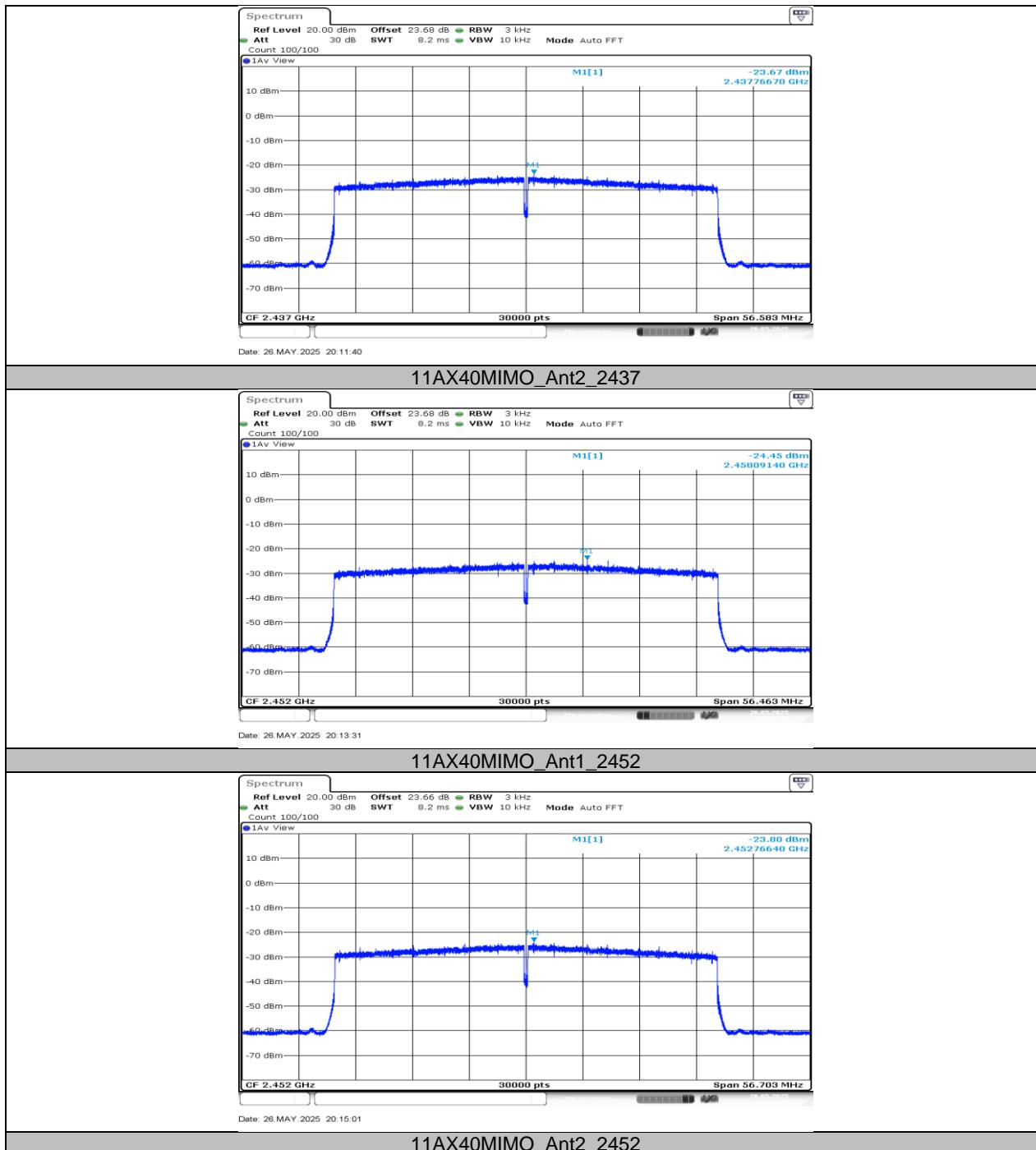










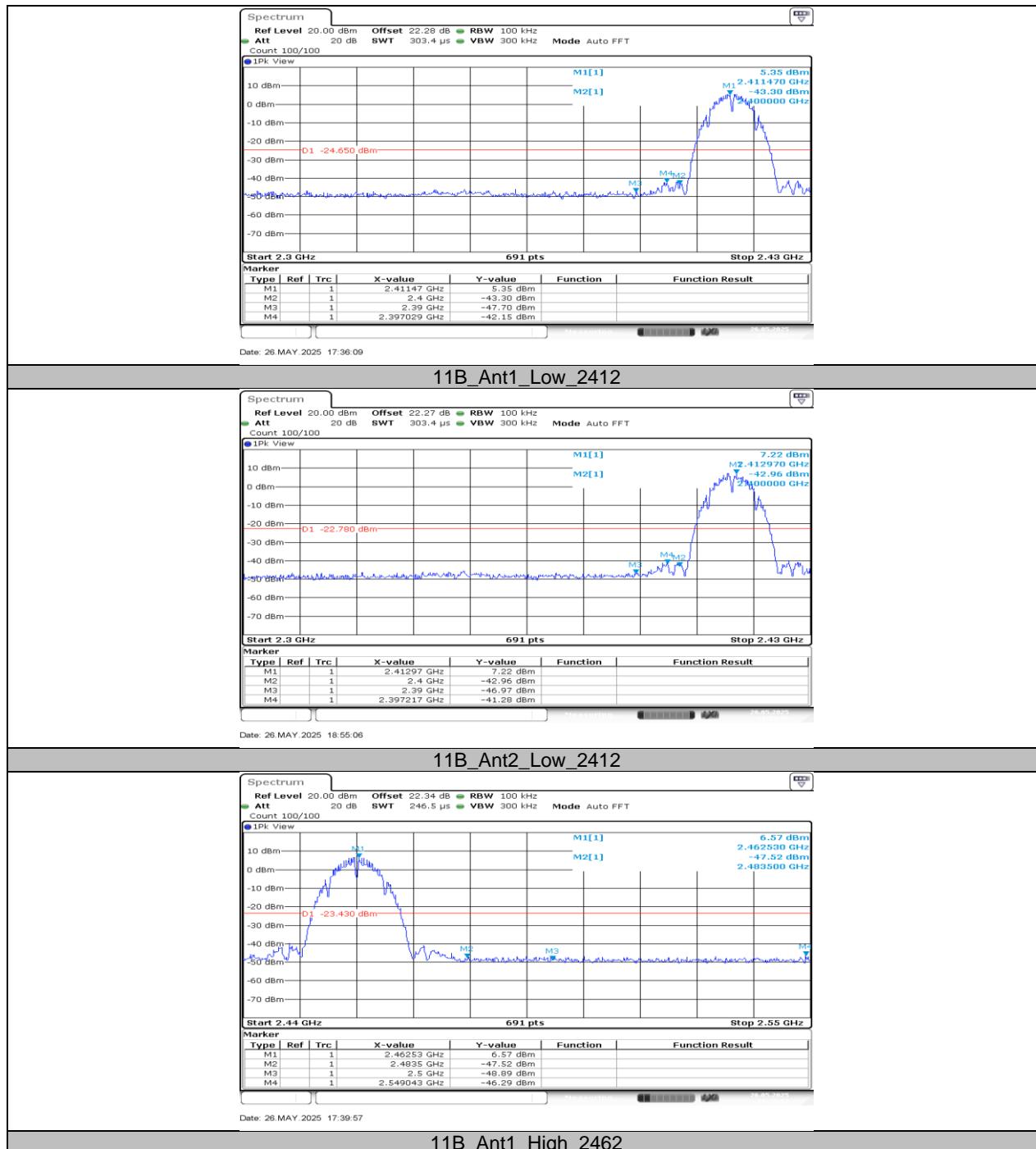


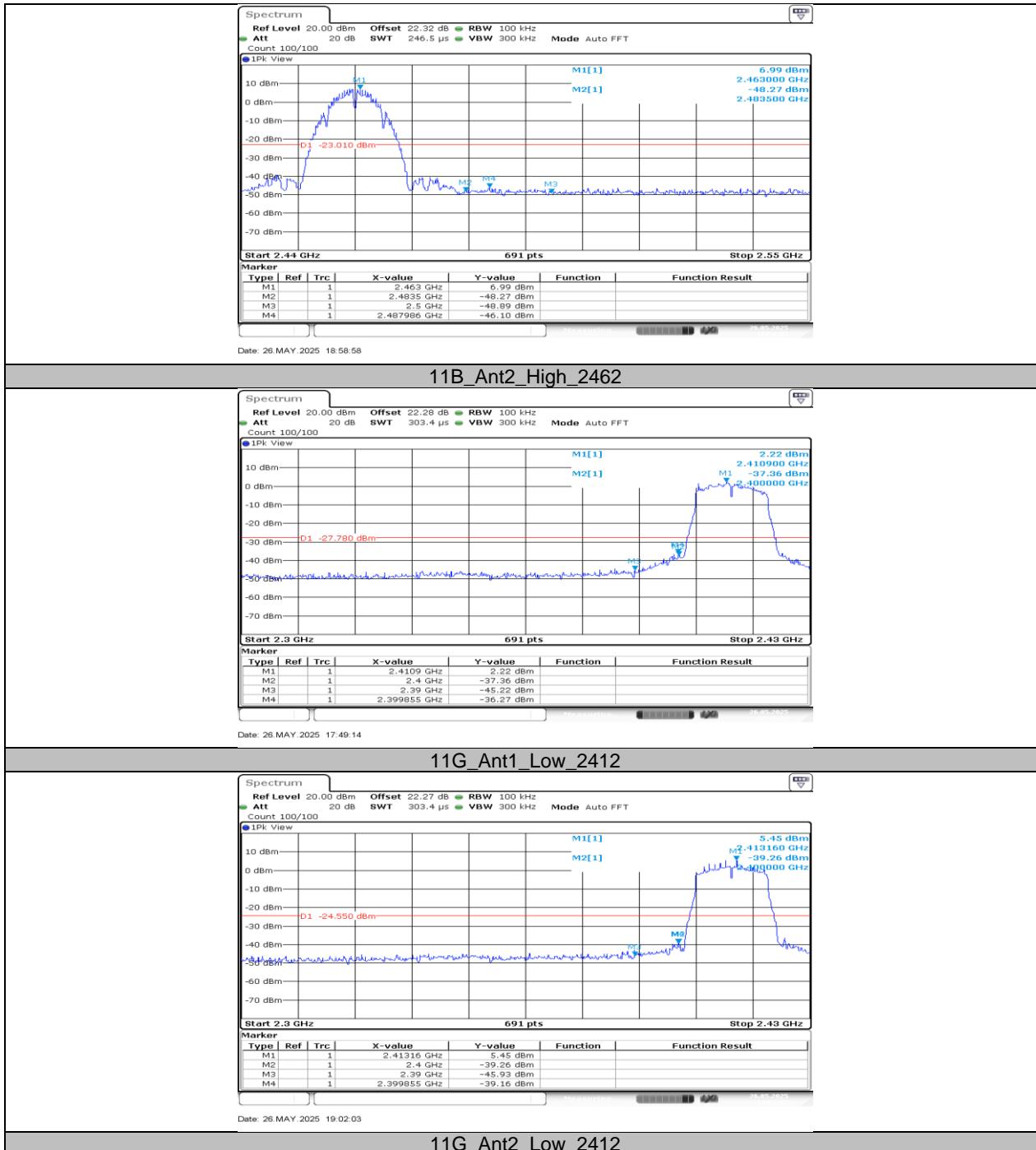
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

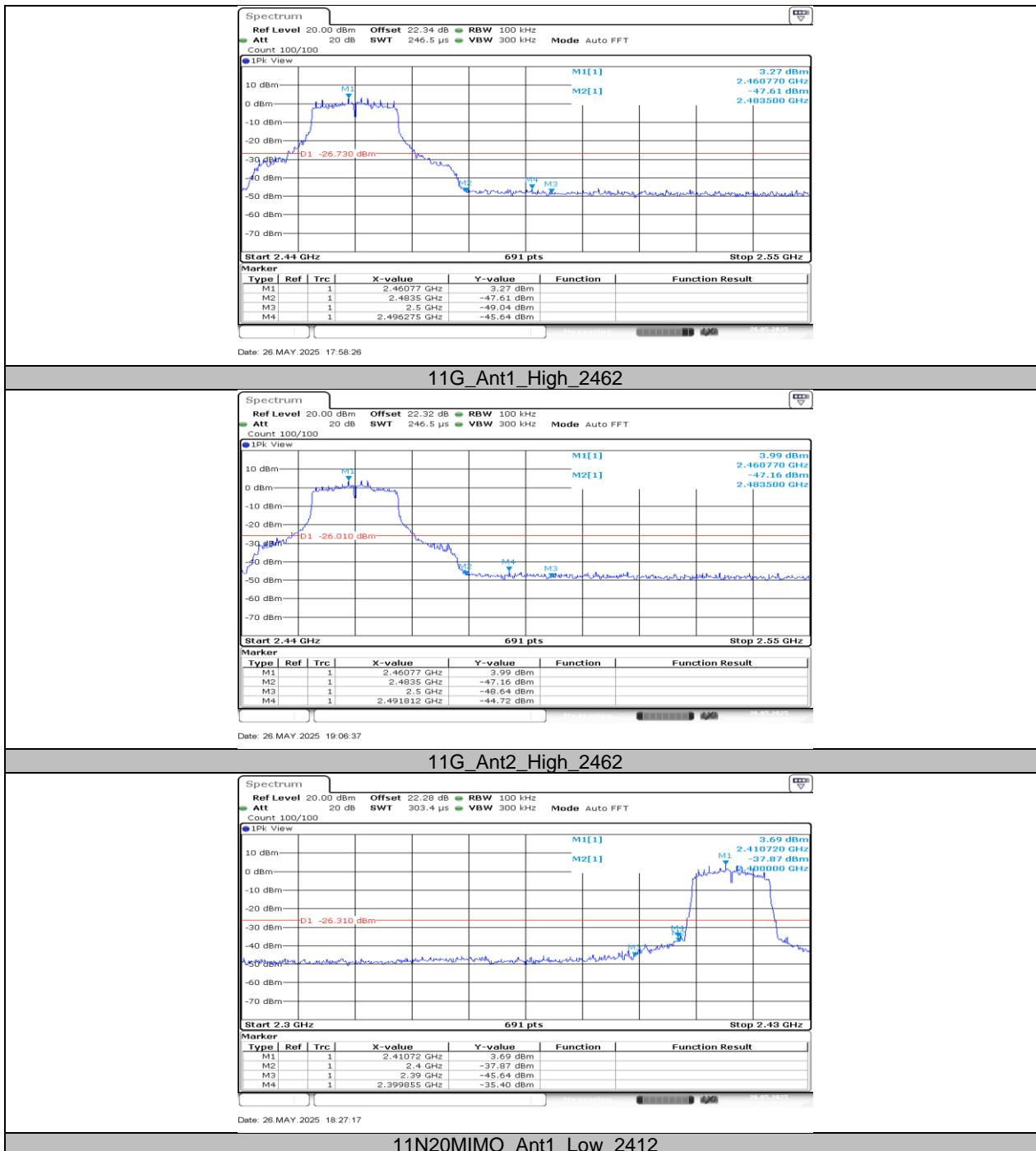
11.5.1. Test Result

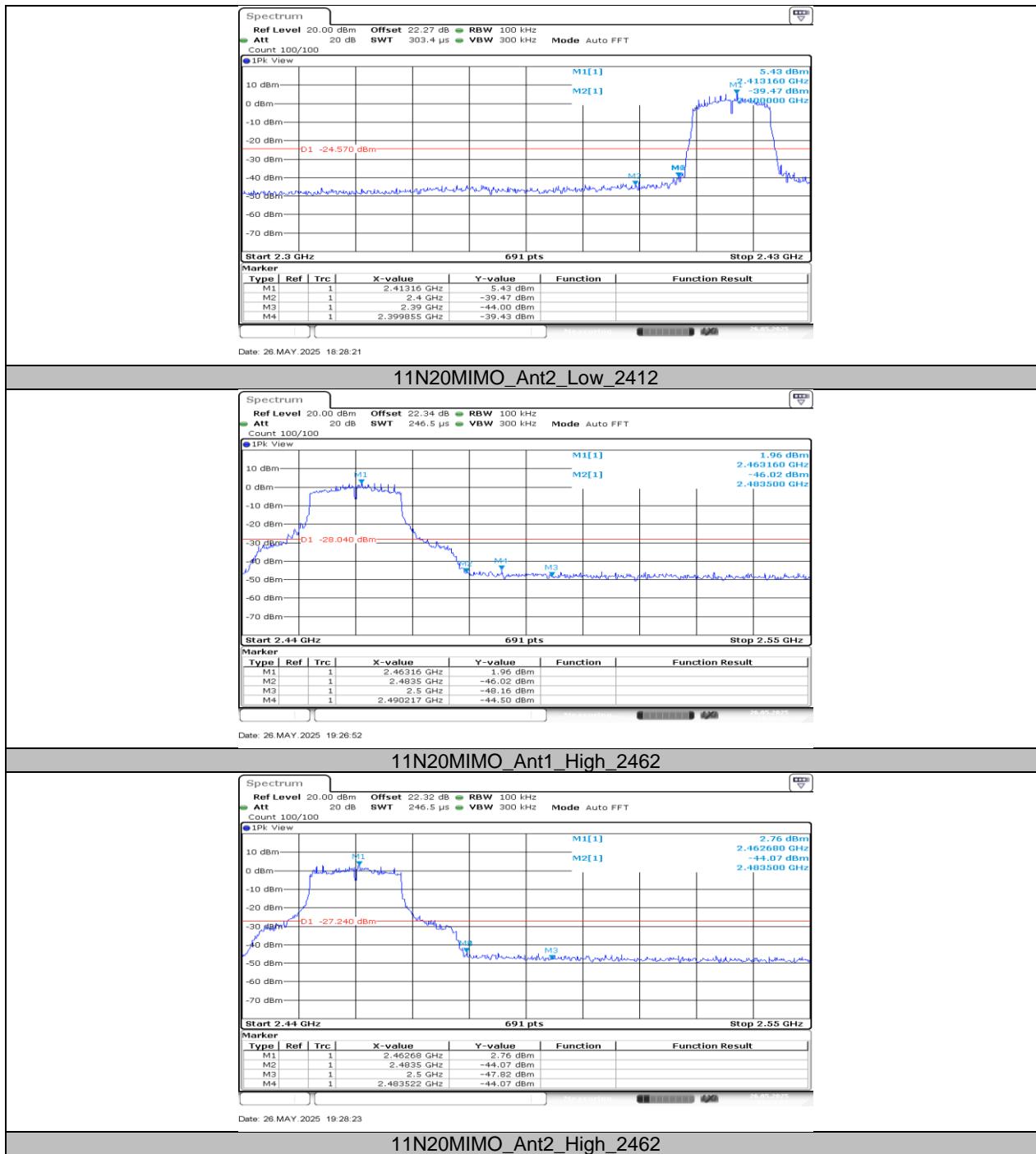
| Test Mode | Antenna | ChName | Frequency [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|-----------------|----------------|-------------|------------|---------|
| 11B | Ant1 | Low | 2412 | 5.35 | -42.15 | ≤-24.65 | PASS |
| | Ant2 | Low | 2412 | 7.22 | -41.28 | ≤-22.78 | PASS |
| | Ant1 | High | 2462 | 6.57 | -46.29 | ≤-23.43 | PASS |
| | Ant2 | High | 2462 | 6.99 | -46.1 | ≤-23.01 | PASS |
| 11G | Ant1 | Low | 2412 | 2.22 | -36.27 | ≤-27.78 | PASS |
| | Ant2 | Low | 2412 | 5.45 | -39.16 | ≤-24.55 | PASS |
| | Ant1 | High | 2462 | 3.27 | -45.64 | ≤-26.73 | PASS |
| | Ant2 | High | 2462 | 3.99 | -44.72 | ≤-26.01 | PASS |
| 11N20MIMO | Ant1 | Low | 2412 | 3.69 | -35.4 | ≤-26.31 | PASS |
| | Ant2 | Low | 2412 | 5.43 | -39.43 | ≤-24.57 | PASS |
| | Ant1 | High | 2462 | 1.96 | -44.5 | ≤-28.04 | PASS |
| | Ant2 | High | 2462 | 2.76 | -44.07 | ≤-27.24 | PASS |
| 11N40MIMO | Ant1 | Low | 2422 | 0.61 | -39.7 | ≤-29.39 | PASS |
| | Ant2 | Low | 2422 | 1.90 | -38.95 | ≤-28.1 | PASS |
| | Ant1 | High | 2452 | 1.37 | -43.48 | ≤-28.63 | PASS |
| | Ant2 | High | 2452 | 1.47 | -43.32 | ≤-28.53 | PASS |
| 11AX20MIMO | Ant1 | Low | 2412 | 0.17 | -42.6 | ≤-29.83 | PASS |
| | Ant2 | Low | 2412 | 0.29 | -40.76 | ≤-29.71 | PASS |
| | Ant1 | High | 2462 | 1.18 | -44.56 | ≤-28.82 | PASS |
| | Ant2 | High | 2462 | 1.96 | -44.82 | ≤-28.04 | PASS |
| 11AX40MIMO | Ant1 | Low | 2422 | -3.08 | -43.4 | ≤-33.08 | PASS |
| | Ant2 | Low | 2422 | -1.88 | -42.43 | ≤-31.88 | PASS |
| | Ant1 | High | 2452 | -2.86 | -45.76 | ≤-32.86 | PASS |
| | Ant2 | High | 2452 | -0.46 | -44.26 | ≤-30.46 | PASS |

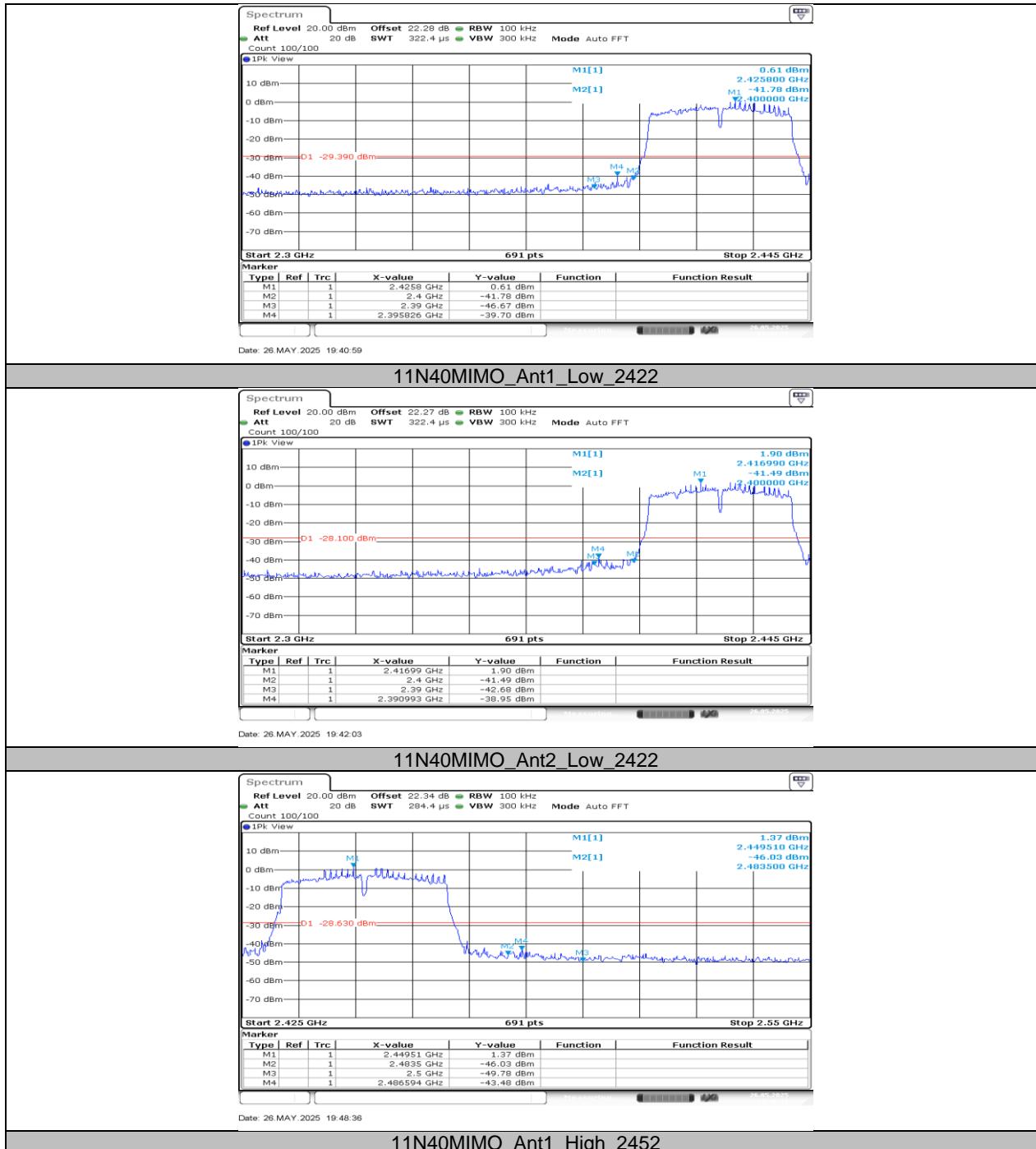
11.5.2. Test Graphs

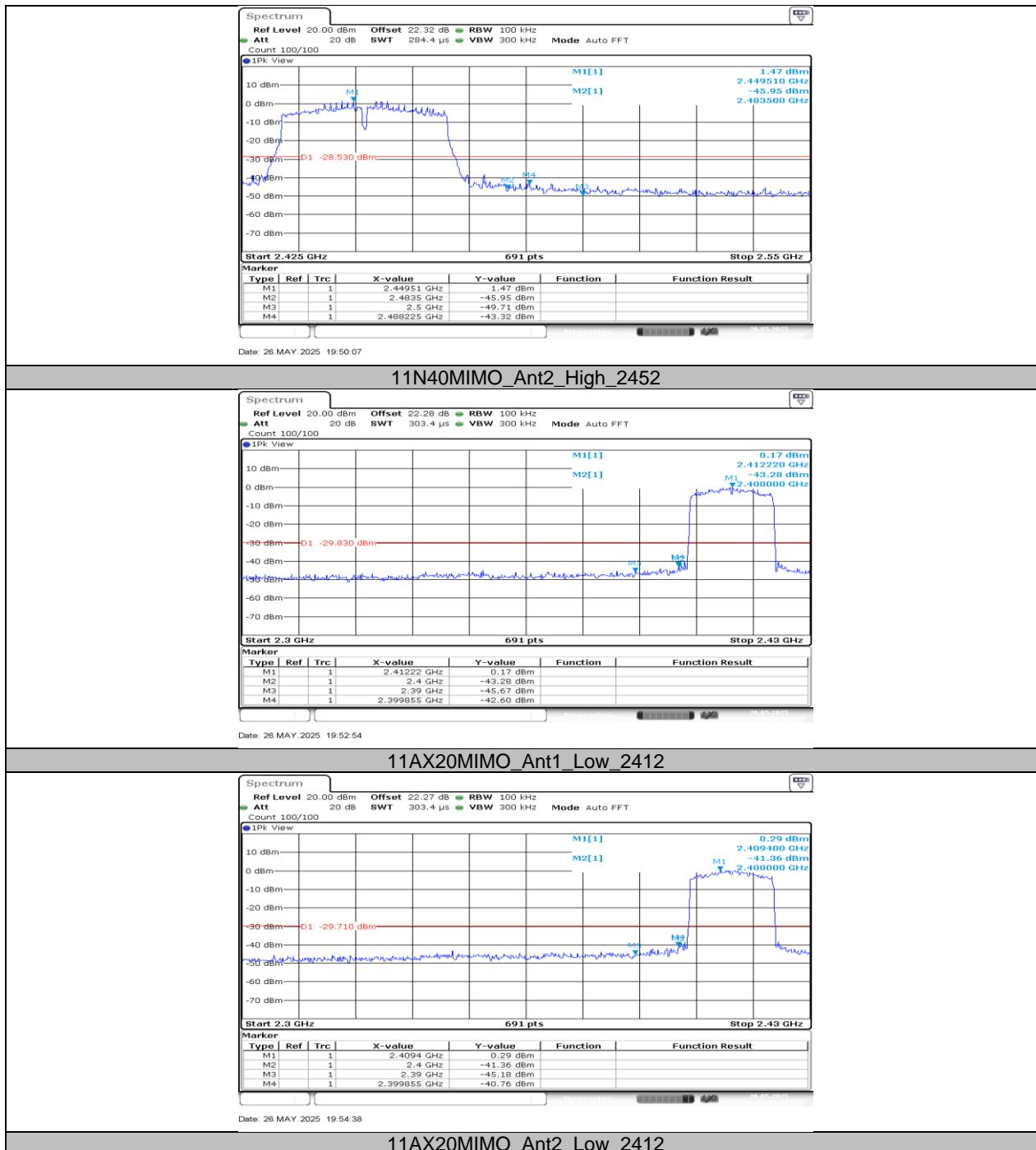


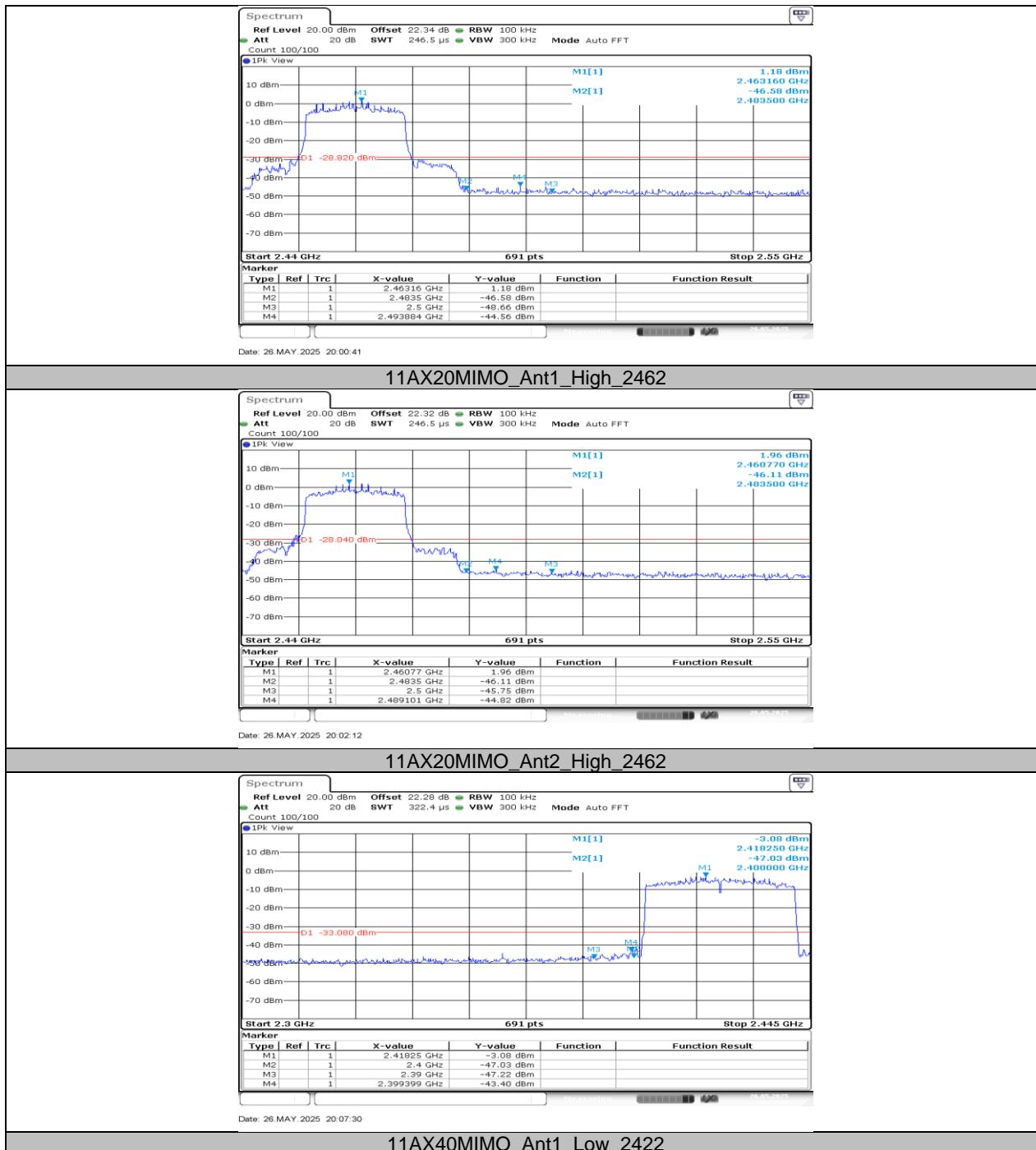


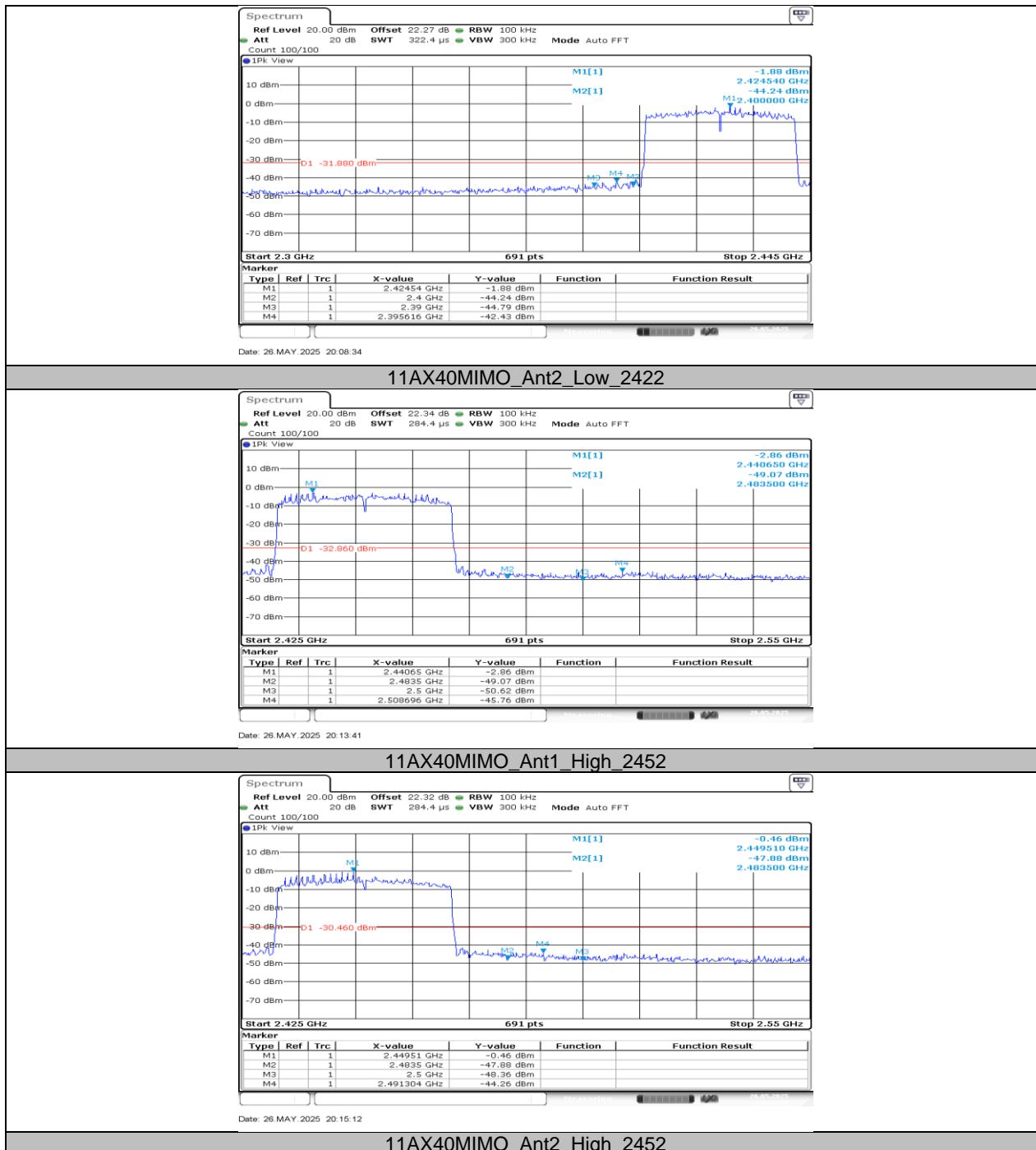












11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

| Test Mode | Antenna | Frequency[MHz] | FreqRange [Mhz] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|-----------------|--------------|-------------|---------|
| 11B | Ant1 | 2412 | Reference | 6.89 | --- | PASS |
| | | | 30~1000 | -45.1 | ≤-23.11 | PASS |
| | | | 1000~26500 | -39.69 | ≤-23.11 | PASS |
| | Ant2 | 2412 | Reference | 8.50 | --- | PASS |
| | | | 30~1000 | -45.44 | ≤-21.5 | PASS |
| | | | 1000~26500 | -39.64 | ≤-21.5 | PASS |
| | Ant1 | 2437 | Reference | 6.56 | --- | PASS |
| | | | 30~1000 | -44.84 | ≤-23.44 | PASS |
| | | | 1000~26500 | -39.86 | ≤-23.44 | PASS |
| | Ant2 | 2437 | Reference | 8.10 | --- | PASS |
| | | | 30~1000 | -44.68 | ≤-21.9 | PASS |
| | | | 1000~26500 | -39.48 | ≤-21.9 | PASS |
| 11G | Ant1 | 2462 | Reference | 6.69 | --- | PASS |
| | | | 30~1000 | -45.41 | ≤-23.31 | PASS |
| | | | 1000~26500 | -40.06 | ≤-23.31 | PASS |
| | Ant2 | 2462 | Reference | 7.89 | --- | PASS |
| | | | 30~1000 | -45.58 | ≤-22.11 | PASS |
| | | | 1000~26500 | -40.7 | ≤-22.11 | PASS |
| | Ant1 | 2412 | Reference | 4.36 | --- | PASS |
| | | | 30~1000 | -44.63 | ≤-25.64 | PASS |
| | | | 1000~26500 | -39.66 | ≤-25.64 | PASS |
| | Ant2 | 2412 | Reference | 6.75 | --- | PASS |
| | | | 30~1000 | -45.64 | ≤-23.25 | PASS |
| | | | 1000~26500 | -40.43 | ≤-23.25 | PASS |
| 11N20MIMO | Ant1 | 2437 | Reference | 3.75 | --- | PASS |
| | | | 30~1000 | -45.31 | ≤-26.25 | PASS |
| | | | 1000~26500 | -39.99 | ≤-26.25 | PASS |
| | Ant2 | 2437 | Reference | 5.12 | --- | PASS |
| | | | 30~1000 | -45.23 | ≤-24.88 | PASS |
| | | | 1000~26500 | -39.98 | ≤-24.88 | PASS |
| | Ant1 | 2462 | Reference | 3.62 | --- | PASS |
| | | | 30~1000 | -44.1 | ≤-26.38 | PASS |
| | | | 1000~26500 | -39.71 | ≤-26.38 | PASS |
| | Ant2 | 2462 | Reference | 4.67 | --- | PASS |
| | | | 30~1000 | -44.5 | ≤-25.33 | PASS |
| | | | 1000~26500 | -39.64 | ≤-25.33 | PASS |
| 11N40MIMO | Ant1 | 2412 | Reference | 4.19 | --- | PASS |
| | | | 30~1000 | -45 | ≤-25.81 | PASS |
| | | | 1000~26500 | -39.68 | ≤-25.81 | PASS |
| | Ant2 | 2412 | Reference | 5.91 | --- | PASS |
| | | | 30~1000 | -45.17 | ≤-24.09 | PASS |
| | | | 1000~26500 | -40.4 | ≤-24.09 | PASS |
| | Ant1 | 2437 | Reference | 4.00 | --- | PASS |
| | | | 30~1000 | -45.12 | ≤-26 | PASS |
| | | | 1000~26500 | -40.01 | ≤-26 | PASS |
| | Ant2 | 2437 | Reference | 4.85 | --- | PASS |
| | | | 30~1000 | -45.58 | ≤-25.15 | PASS |
| | | | 1000~26500 | -40 | ≤-25.15 | PASS |
| | Ant1 | 2462 | Reference | 3.77 | --- | PASS |
| | | | 30~1000 | -44.51 | ≤-26.23 | PASS |
| | | | 1000~26500 | -40.23 | ≤-26.23 | PASS |
| | Ant2 | 2462 | Reference | 4.37 | --- | PASS |
| | | | 30~1000 | -45.21 | ≤-25.63 | PASS |
| | | | 1000~26500 | -39.17 | ≤-25.63 | PASS |
| 11N40MIMO | Ant1 | 2422 | Reference | 0.92 | --- | PASS |

| | | | | | | | |
|------------|--|------|------------|-----------|---------|------|------|
| | | | 30~1000 | -45.39 | ≤-29.08 | PASS | |
| | | | 1000~26500 | -39.16 | ≤-29.08 | PASS | |
| | | Ant2 | 2422 | Reference | 1.36 | --- | PASS |
| | | | 30~1000 | -45.18 | ≤-28.64 | PASS | |
| | | | 1000~26500 | -40.01 | ≤-28.64 | PASS | |
| | | Ant1 | 2437 | Reference | 1.11 | --- | PASS |
| | | | 30~1000 | -45.23 | ≤-28.89 | PASS | |
| | | | 1000~26500 | -40.67 | ≤-28.89 | PASS | |
| | | Ant2 | 2437 | Reference | 2.22 | --- | PASS |
| | | | 30~1000 | -45.83 | ≤-27.78 | PASS | |
| | | | 1000~26500 | -40.31 | ≤-27.78 | PASS | |
| 11AX20MIMO | | Ant1 | 2452 | Reference | -0.10 | --- | PASS |
| | | | 30~1000 | -45.35 | ≤-30.1 | PASS | |
| | | | 1000~26500 | -40.6 | ≤-30.1 | PASS | |
| | | Ant2 | 2452 | Reference | 2.21 | --- | PASS |
| | | | 30~1000 | -45.18 | ≤-27.79 | PASS | |
| | | | 1000~26500 | -39.57 | ≤-27.79 | PASS | |
| | | Ant1 | 2412 | Reference | 1.04 | --- | PASS |
| | | | 30~1000 | -44.81 | ≤-28.96 | PASS | |
| | | | 1000~26500 | -39.88 | ≤-28.96 | PASS | |
| | | Ant2 | 2412 | Reference | 3.57 | --- | PASS |
| | | | 30~1000 | -45.28 | ≤-26.43 | PASS | |
| | | | 1000~26500 | -39.6 | ≤-26.43 | PASS | |
| | | Ant1 | 2437 | Reference | 1.00 | --- | PASS |
| | | | 30~1000 | -45.19 | ≤-29 | PASS | |
| | | | 1000~26500 | -39.59 | ≤-29 | PASS | |
| | | Ant2 | 2437 | Reference | 2.63 | --- | PASS |
| | | | 30~1000 | -45.17 | ≤-27.37 | PASS | |
| | | | 1000~26500 | -39.55 | ≤-27.37 | PASS | |
| 11AX40MIMO | | Ant1 | 2462 | Reference | 1.35 | --- | PASS |
| | | | 30~1000 | -45.4 | ≤-28.65 | PASS | |
| | | | 1000~26500 | -40.27 | ≤-28.65 | PASS | |
| | | Ant2 | 2462 | Reference | 2.36 | --- | PASS |
| | | | 30~1000 | -45.21 | ≤-27.64 | PASS | |
| | | | 1000~26500 | -39.49 | ≤-27.64 | PASS | |
| | | Ant1 | 2422 | Reference | -1.54 | --- | PASS |
| | | | 30~1000 | -45.03 | ≤-31.54 | PASS | |
| | | | 1000~26500 | -40.01 | ≤-31.54 | PASS | |
| | | Ant2 | 2422 | Reference | -0.32 | --- | PASS |
| | | | 30~1000 | -45.23 | ≤-30.32 | PASS | |
| | | | 1000~26500 | -40.23 | ≤-30.32 | PASS | |
| | | Ant1 | 2437 | Reference | -1.94 | --- | PASS |
| | | | 30~1000 | -45.72 | ≤-31.94 | PASS | |
| | | | 1000~26500 | -39.87 | ≤-31.94 | PASS | |
| | | Ant2 | 2437 | Reference | -0.23 | --- | PASS |
| | | | 30~1000 | -45.24 | ≤-30.23 | PASS | |
| | | | 1000~26500 | -39.31 | ≤-30.23 | PASS | |
| | | Ant1 | 2452 | Reference | -2.21 | --- | PASS |
| | | | 30~1000 | -44.86 | ≤-32.21 | PASS | |
| | | | 1000~26500 | -40.27 | ≤-32.21 | PASS | |
| | | Ant2 | 2452 | Reference | -0.39 | --- | PASS |
| | | | 30~1000 | -44.85 | ≤-30.39 | PASS | |
| | | | 1000~26500 | -40.1 | ≤-30.39 | PASS | |

11.6.2. Test Graphs

