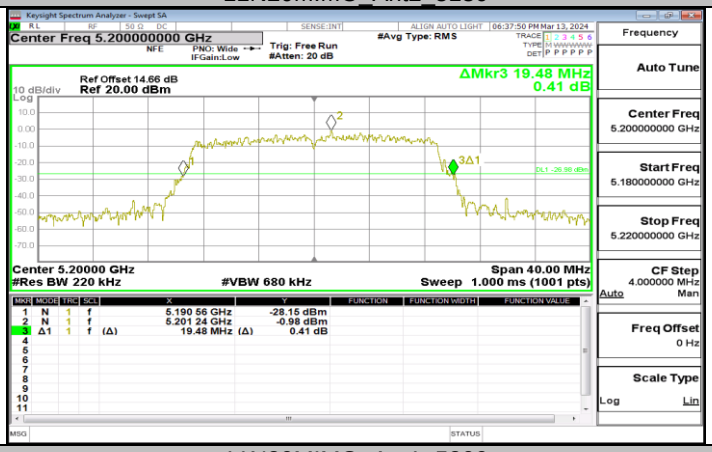
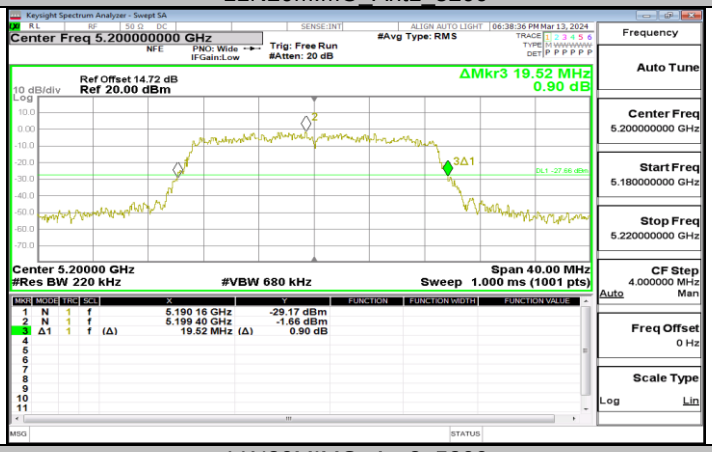
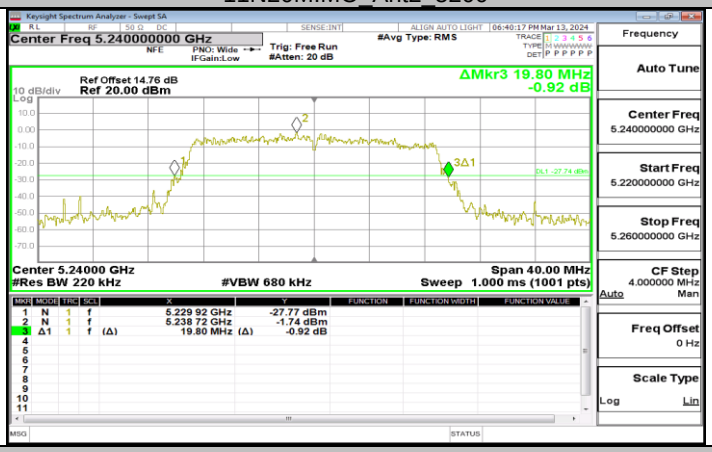
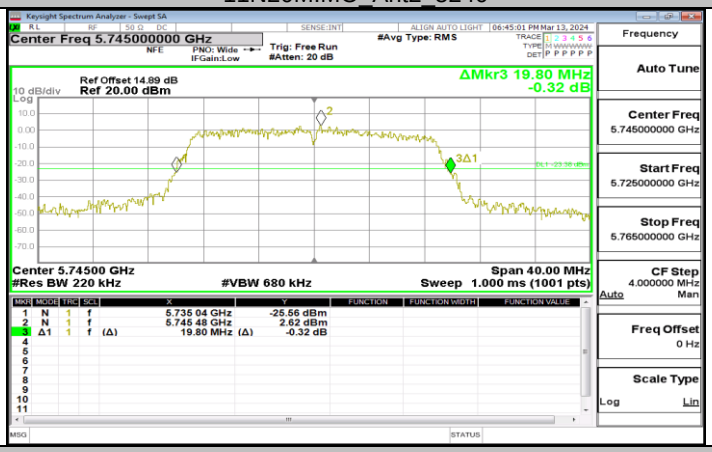
| 11N20MIMO_Ant2_5180 |
|---|
|  |
| 11N20MIMO_Ant1_5200 |
|  |
| 11N20MIMO_Ant2_5200 |
|  |
| 11N20MIMO_Ant1_5240 |

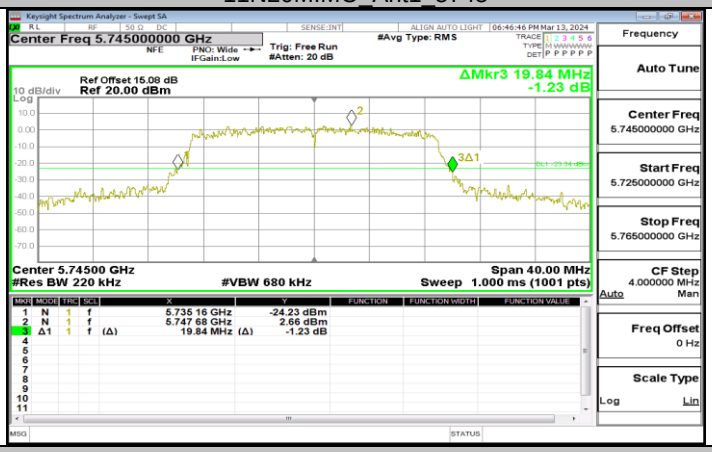



*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

11N20MIMO_Ant2_5240



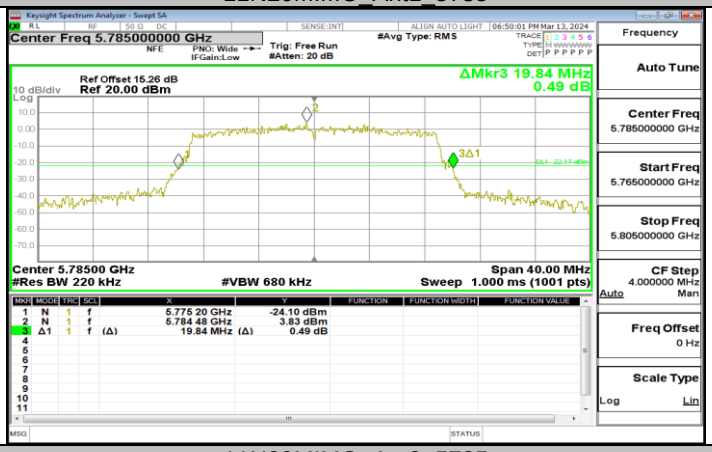

11N20MIMO_Ant1_5745



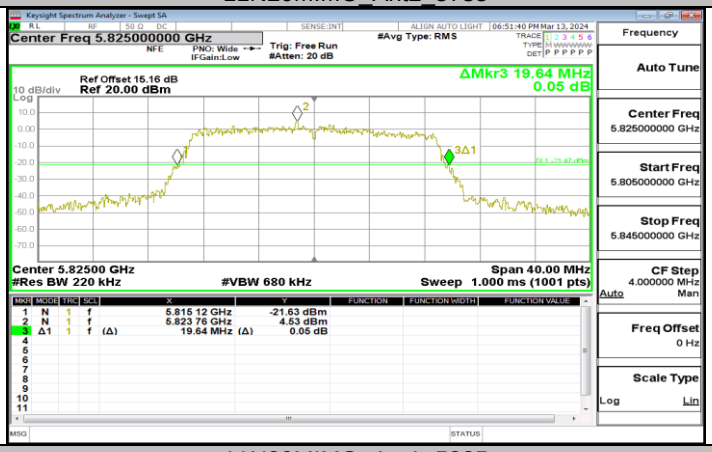

11N20MIMO_Ant2_5745

*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

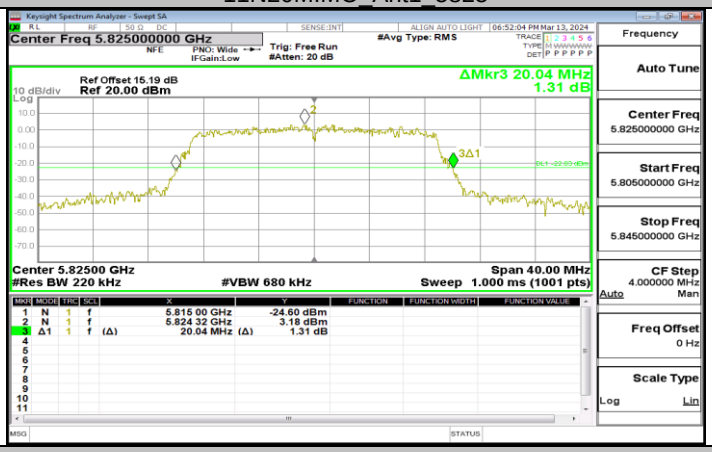
11N20MIMO_Ant1_5785




11N20MIMO_Ant2_5785



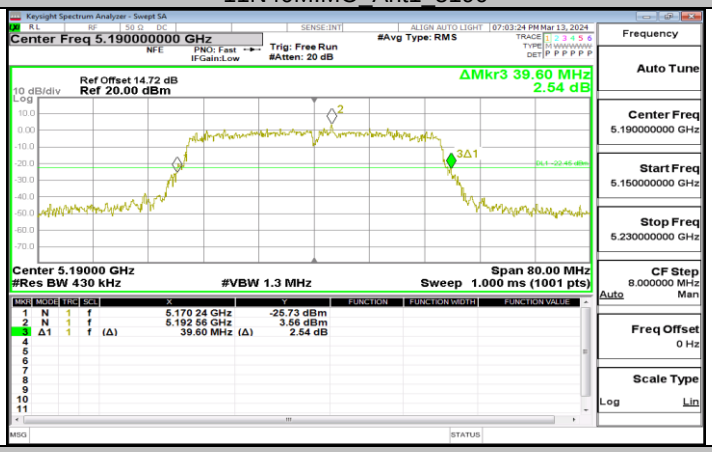

11N20MIMO_Ant1_5825



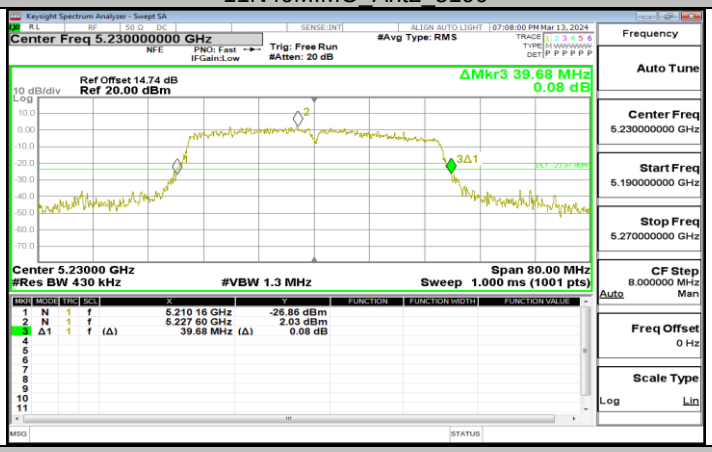

11N20MIMO_Ant2_5825


*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

11N40MIMO_Ant1_5190



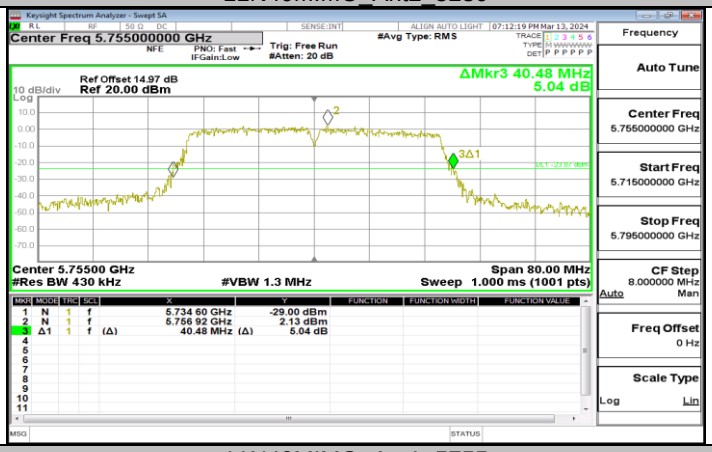

11N40MIMO_Ant2_5190



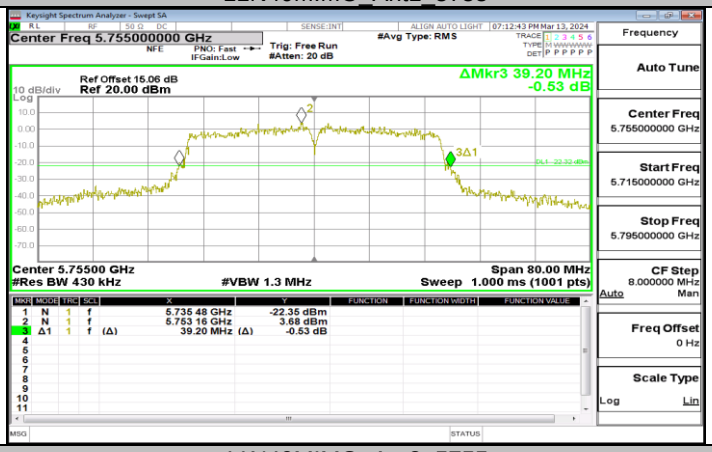

11N40MIMO_Ant1_5230

*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

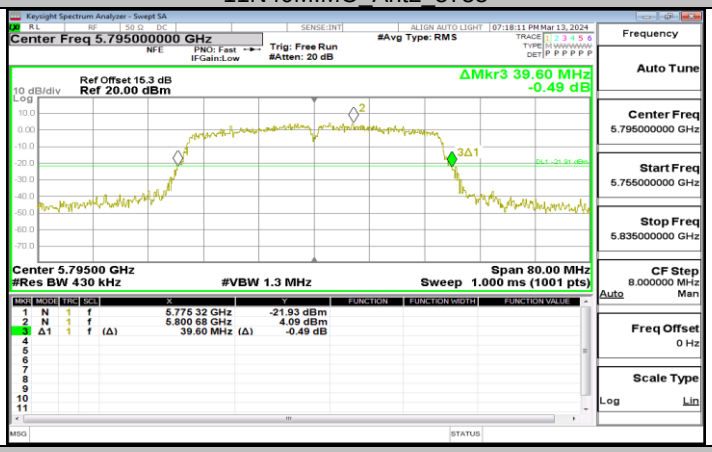
11N40MIMO_Ant2_5230




11N40MIMO_Ant1_5755

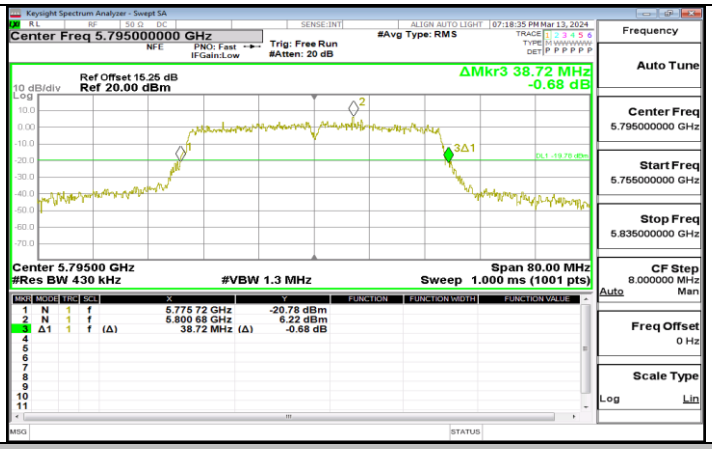



11N40MIMO_Ant2_5755

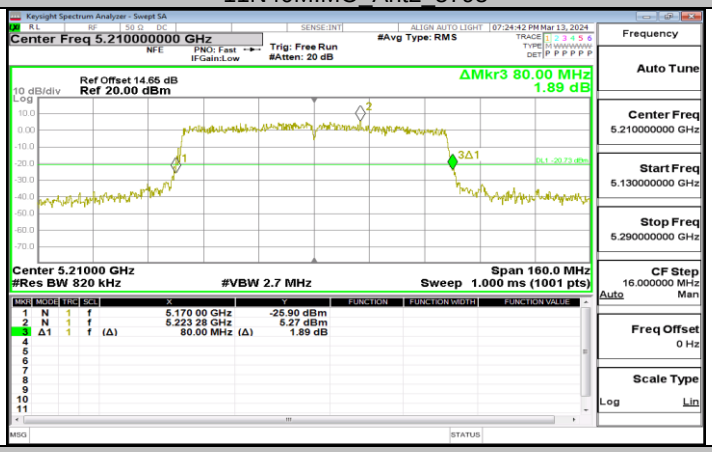



11N40MIMO_Ant1_5795

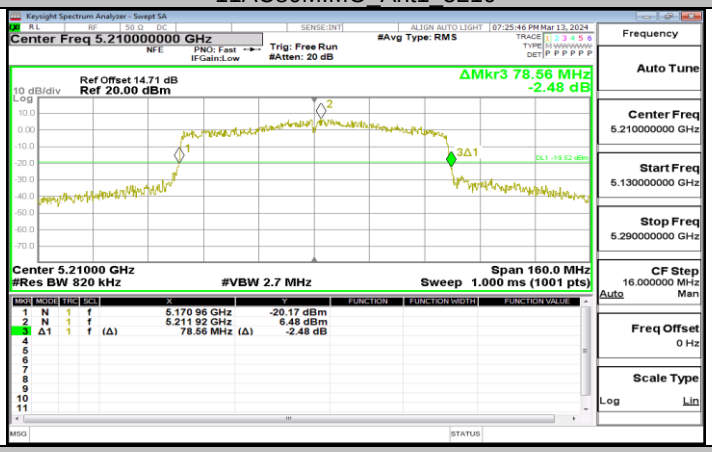

*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*



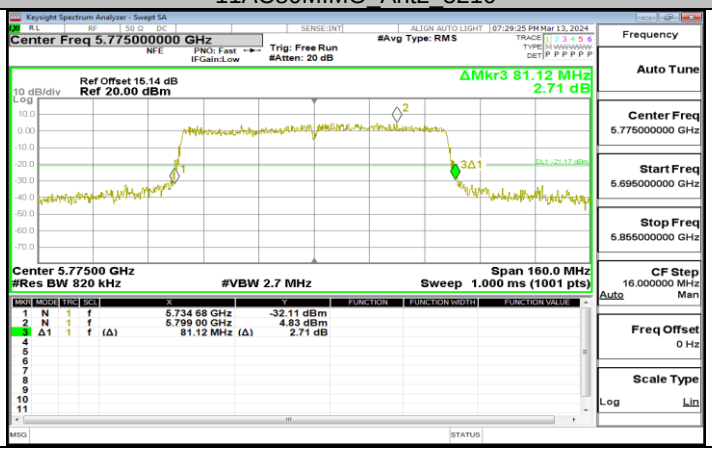

11N40MIMO_Ant2_5795




11AC80MIMO_Ant1_5210

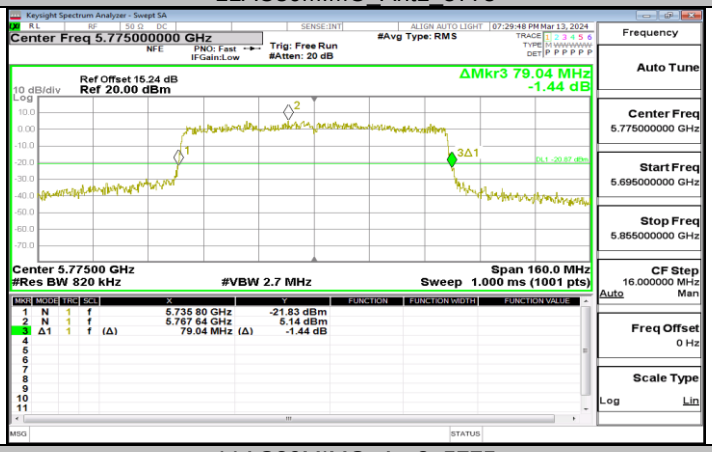



11AC80MIMO_Ant2_5210





*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

| 11AC80MIMO_Ant1_5775 |
| --- |
|  |
| 11AC80MIMO_Ant2_5775 |



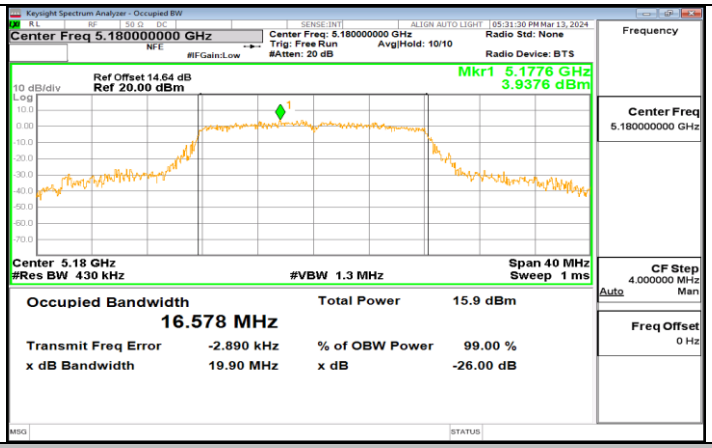

*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

## 11.2. APPENDIX A2: OCCUPIED CHANNEL BANDWIDTH

### 11.2.1. Test Result

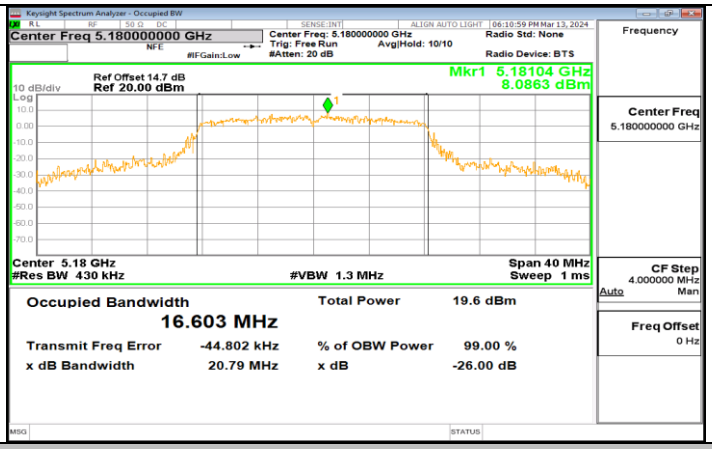
| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Verdict |
|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 16.578 | 5171.7081 | 5188.2861 | PASS |
| | Ant2 | 5180 | 16.603 | 5171.6537 | 5188.2567 | PASS |
| | Ant1 | 5200 | 16.738 | 5191.5633 | 5208.3013 | PASS |
| | Ant2 | 5200 | 16.595 | 5191.7685 | 5208.3635 | PASS |
| | Ant1 | 5240 | 16.608 | 5231.7118 | 5248.3198 | PASS |
| | Ant2 | 5240 | 16.610 | 5231.6577 | 5248.2677 | PASS |
| | Ant1 | 5745 | 16.580 | 5736.6476 | 5753.2276 | PASS |
| | Ant2 | 5745 | 16.566 | 5736.7380 | 5753.3040 | PASS |
| | Ant1 | 5785 | 16.616 | 5776.7264 | 5793.3424 | PASS |
| | Ant2 | 5785 | 16.517 | 5776.7805 | 5793.2975 | PASS |
| | Ant1 | 5825 | 16.594 | 5816.6931 | 5833.2871 | PASS |
| | Ant2 | 5825 | 16.513 | 5816.7293 | 5833.2423 | PASS |
| 11N20MIMO | Ant1 | 5180 | 17.761 | 5171.0813 | 5188.8423 | PASS |
| | Ant2 | 5180 | 17.568 | 5171.2146 | 5188.7826 | PASS |
| | Ant1 | 5200 | 17.726 | 5191.2371 | 5208.9631 | PASS |
| | Ant2 | 5200 | 17.627 | 5191.2205 | 5208.8475 | PASS |
| | Ant1 | 5240 | 17.714 | 5231.0449 | 5248.7589 | PASS |
| | Ant2 | 5240 | 17.631 | 5231.2394 | 5248.8704 | PASS |
| | Ant1 | 5745 | 17.678 | 5736.1028 | 5753.7808 | PASS |
| | Ant2 | 5745 | 17.645 | 5736.1912 | 5753.8362 | PASS |
| | Ant1 | 5785 | 17.625 | 5776.2457 | 5793.8707 | PASS |
| | Ant2 | 5785 | 17.640 | 5776.2013 | 5793.8413 | PASS |
| | Ant1 | 5825 | 17.648 | 5816.0576 | 5833.7056 | PASS |
| | Ant2 | 5825 | 17.642 | 5816.1851 | 5833.8271 | PASS |
| 11N40MIMO | Ant1 | 5190 | 36.339 | 5171.9202 | 5208.2592 | PASS |
| | Ant2 | 5190 | 36.083 | 5171.9541 | 5208.0371 | PASS |
| | Ant1 | 5230 | 35.897 | 5212.0077 | 5247.9047 | PASS |
| | Ant2 | 5230 | 36.089 | 5212.0330 | 5248.1220 | PASS |
| | Ant1 | 5755 | 36.222 | 5736.8528 | 5773.0748 | PASS |
| | Ant2 | 5755 | 36.022 | 5737.0456 | 5773.0676 | PASS |
| | Ant1 | 5795 | 35.773 | 5777.2848 | 5813.0578 | PASS |
| | Ant2 | 5795 | 35.972 | 5777.1282 | 5813.1002 | PASS |
| 11AC80MIMO | Ant1 | 5210 | 75.469 | 5172.4180 | 5247.8870 | PASS |
| | Ant2 | 5210 | 74.560 | 5172.8577 | 5247.4177 | PASS |
| | Ant1 | 5775 | 75.977 | 5737.2153 | 5813.1923 | PASS |
| | Ant2 | 5775 | 75.171 | 5737.6128 | 5812.7838 | PASS |

### 11.2.2. Test Graphs

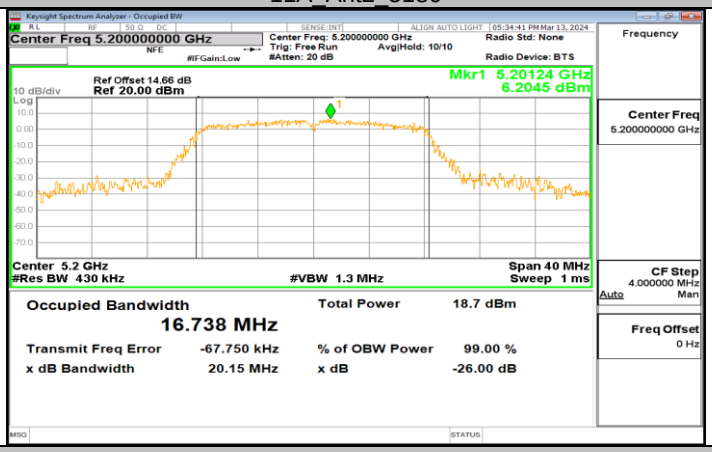



11A_Ant1_5180

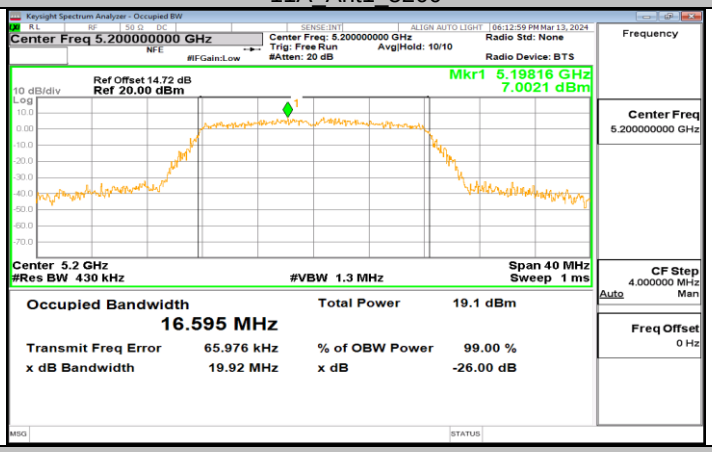

*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*



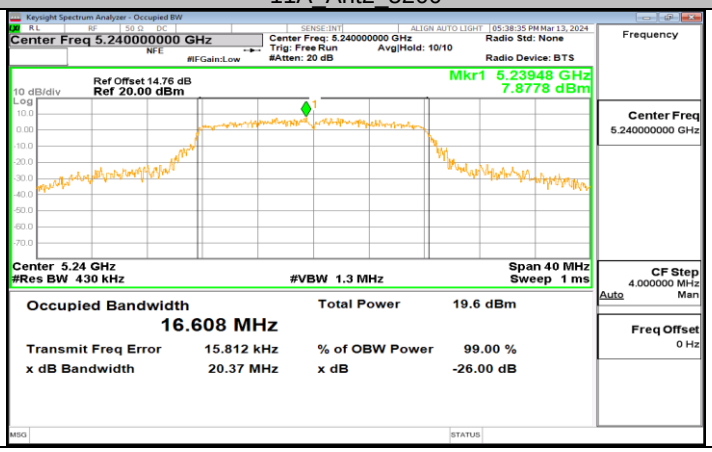

11A_Ant2_5180




11A_Ant1_5200



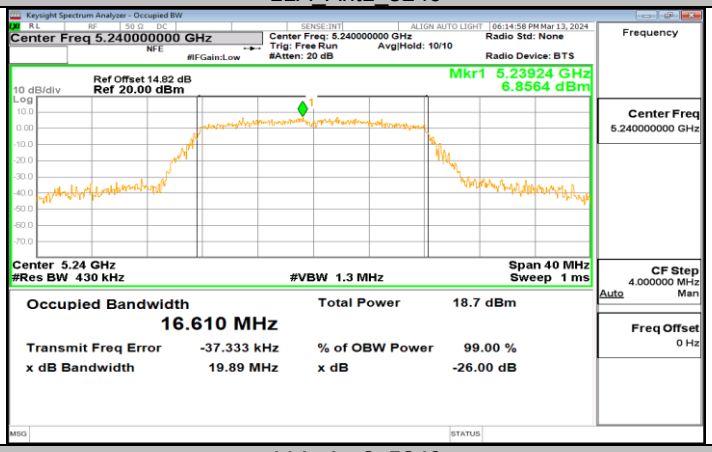

11A_Ant2_5200



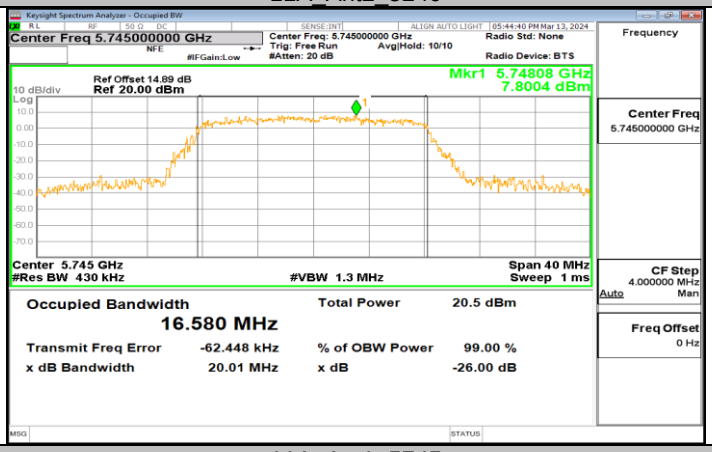


*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

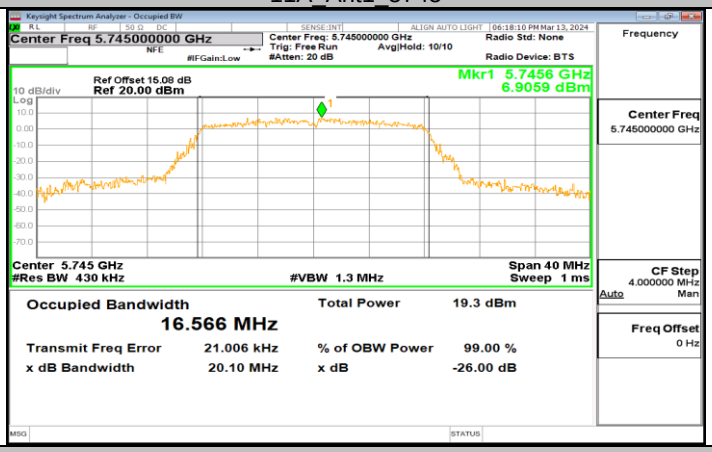
11A_Ant1_5240




11A_Ant2_5240

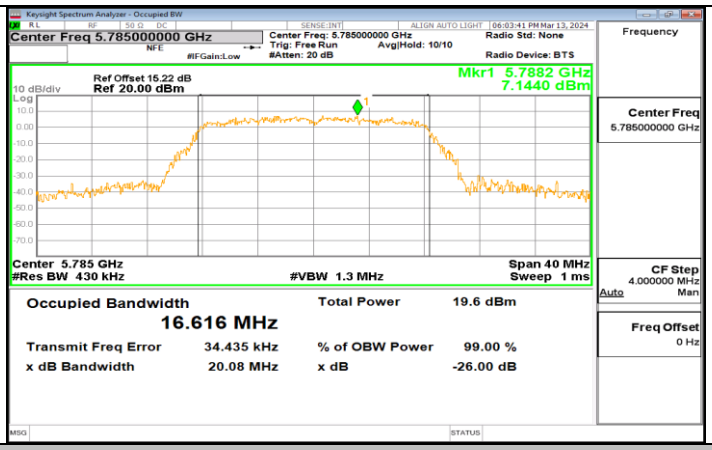



11A_Ant1_5745

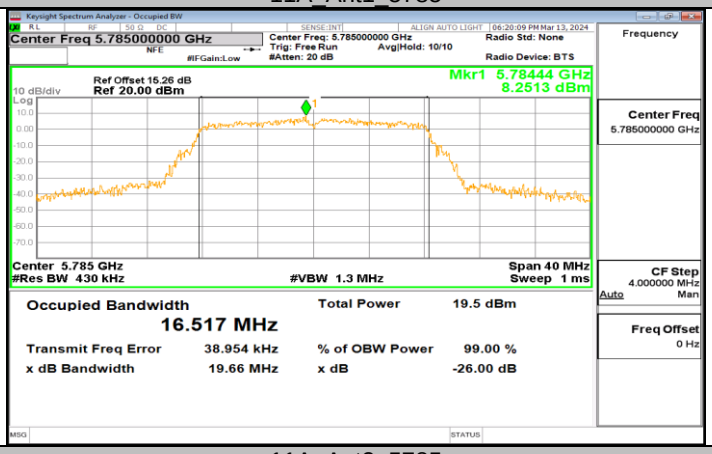



11A_Ant2_5745

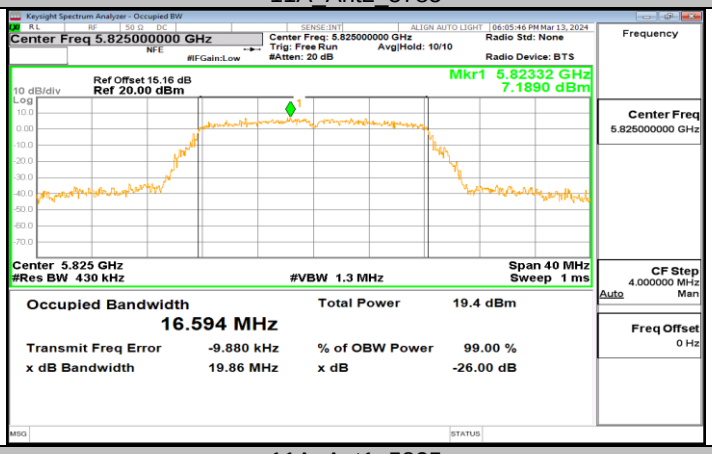

*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*



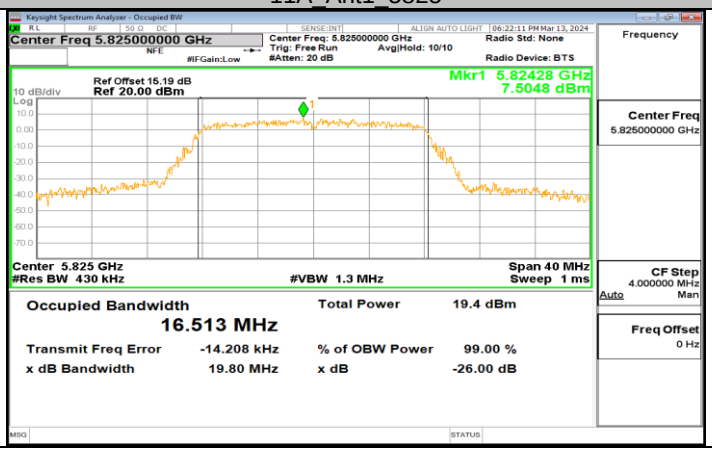

11A_Ant1_5785




11A_Ant2_5785

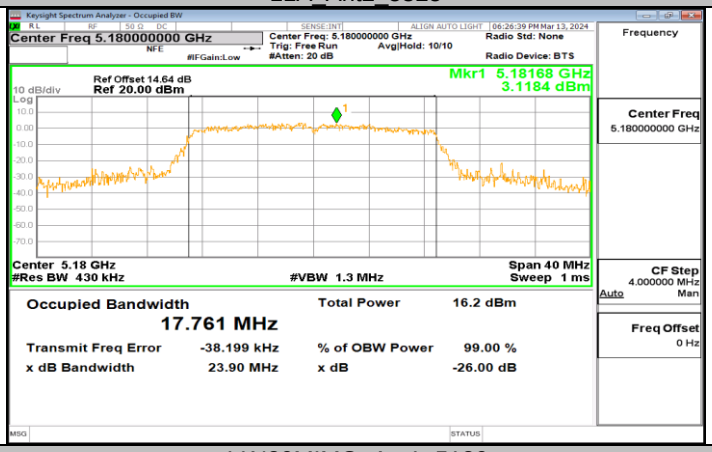
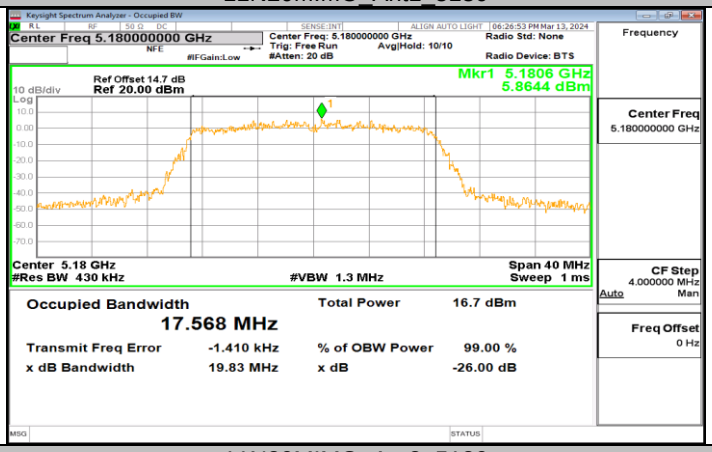
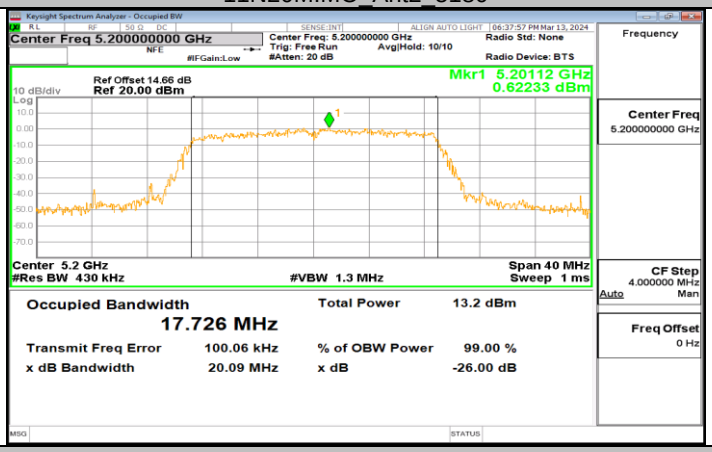



11A_Ant1_5825





*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

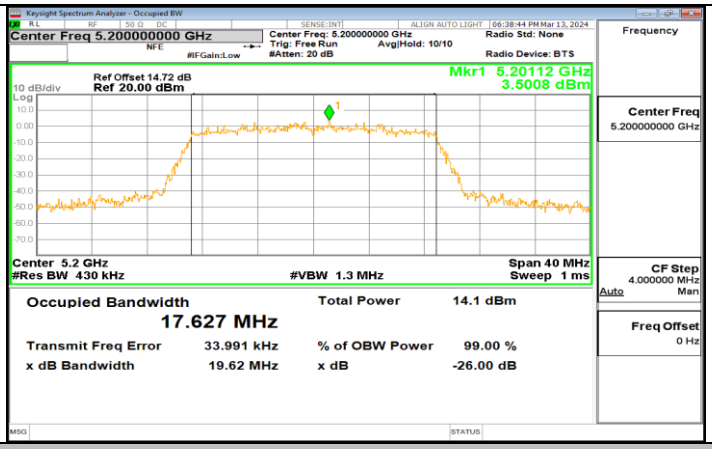
| 11A_Ant2_5825 |
|---|
|  |
| 11N20MIMO_Ant1_5180 |
|  |
| 11N20MIMO_Ant2_5180 |
|  |
| 11N20MIMO_Ant1_5200 |



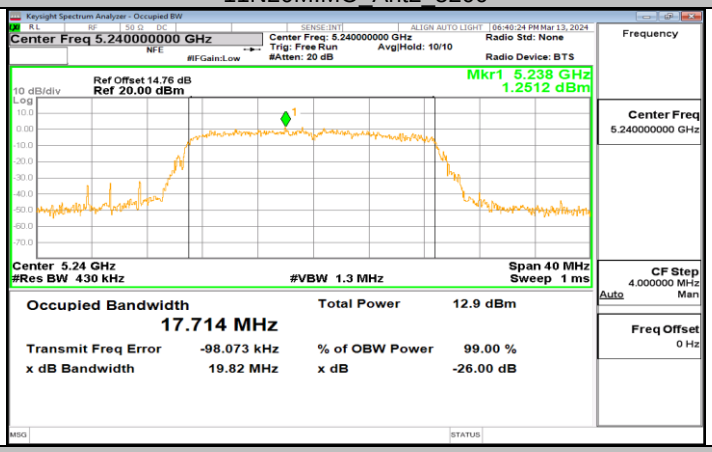




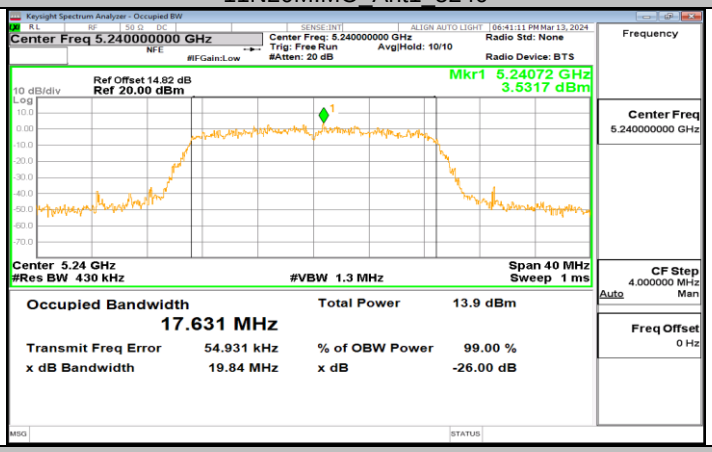

*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*



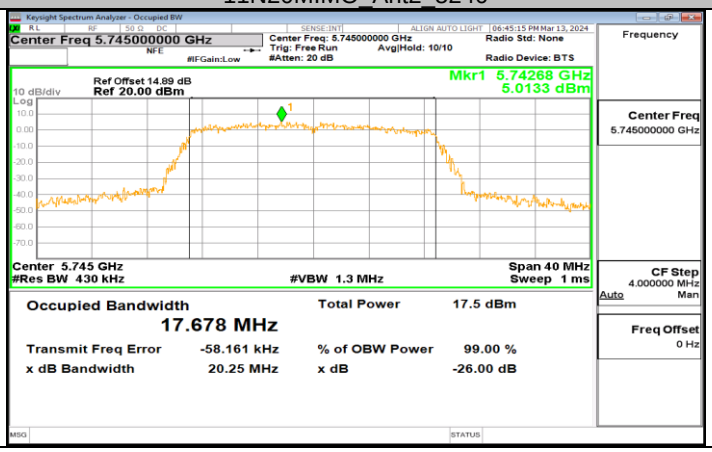

11N20MIMO_Ant2_5200




11N20MIMO_Ant1_5240



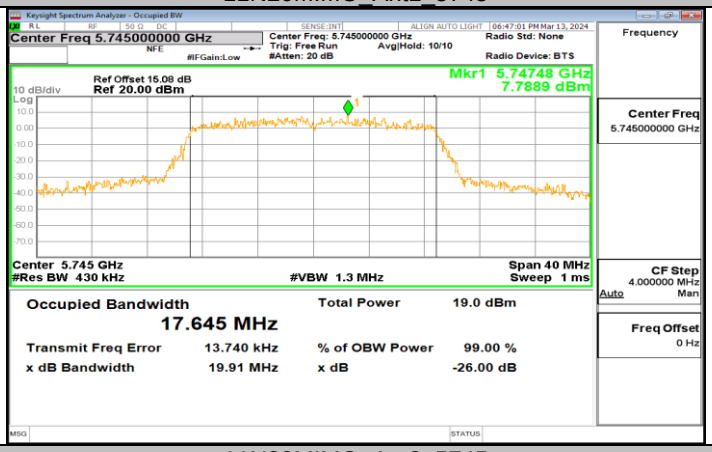

11N20MIMO_Ant2_5240



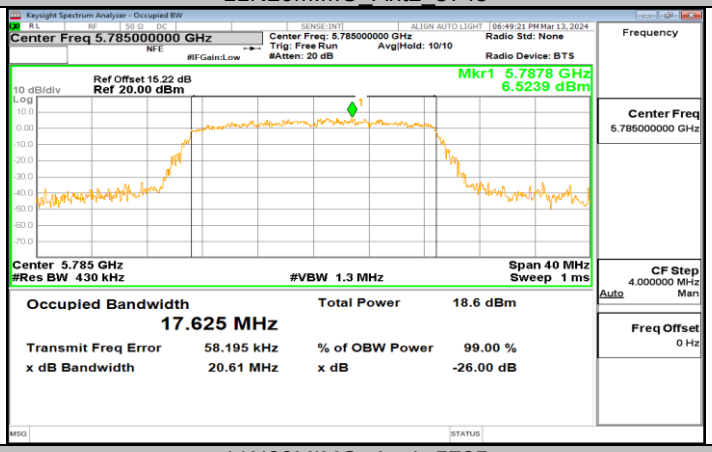


*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

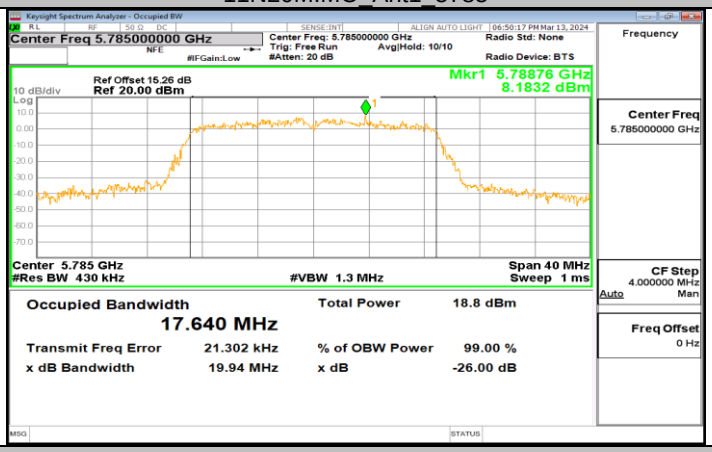
11N20MIMO_Ant1_5745




11N20MIMO_Ant2_5745

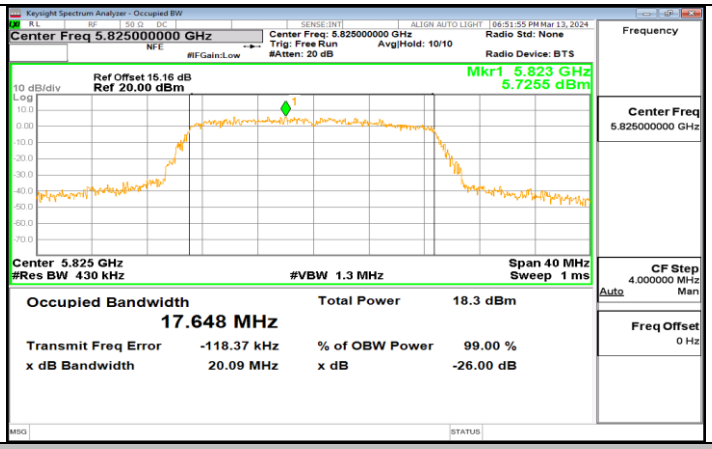



11N20MIMO_Ant1_5785

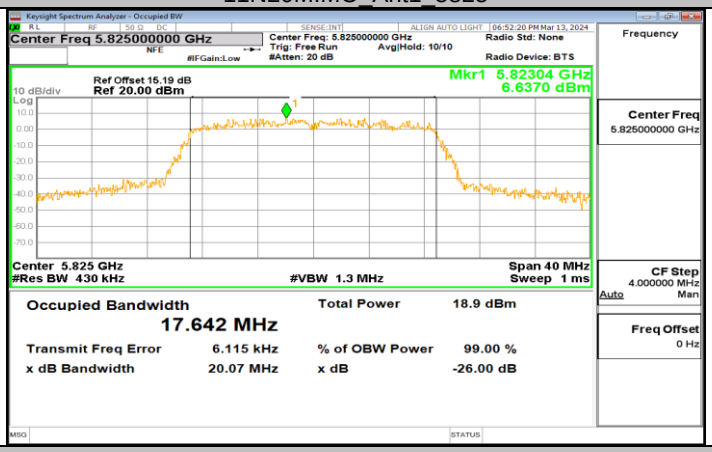



11N20MIMO_Ant2_5785

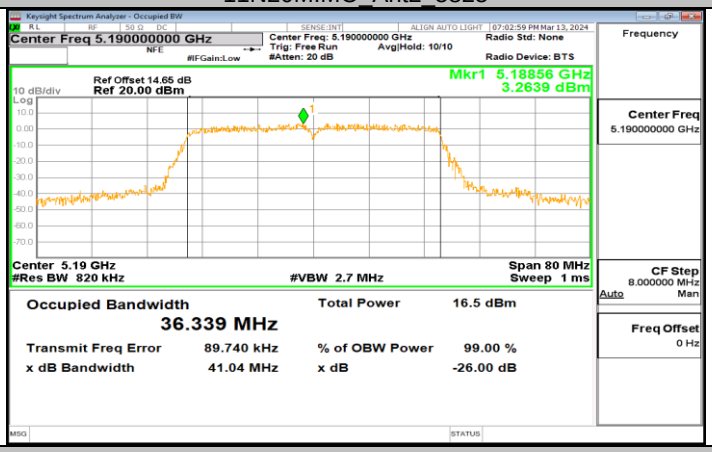

*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*



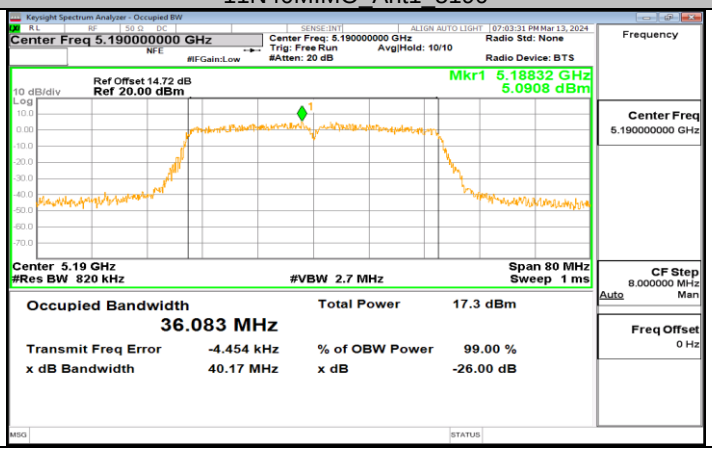

11N20MIMO_Ant1_5825




11N20MIMO_Ant2_5825



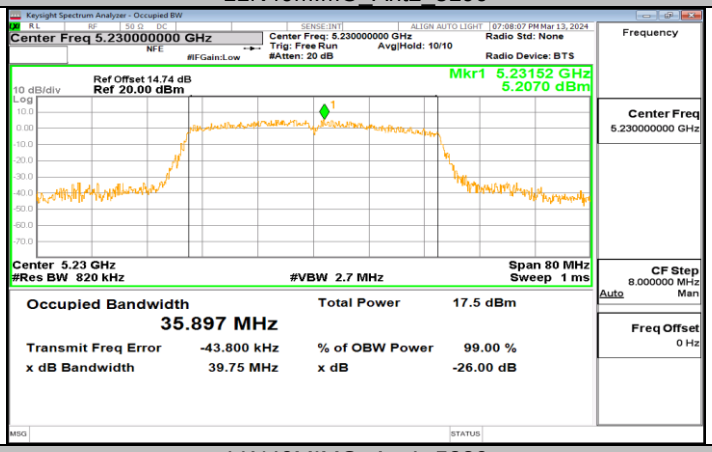

11N40MIMO_Ant1_5190



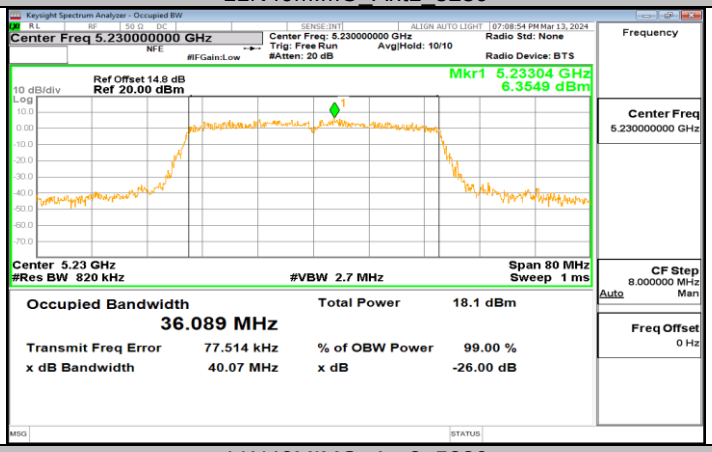


*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

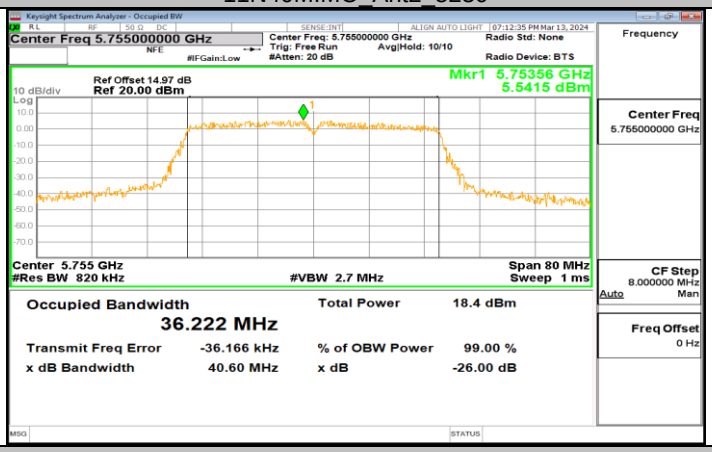
11N40MIMO_Ant2_5190




11N40MIMO_Ant1_5230

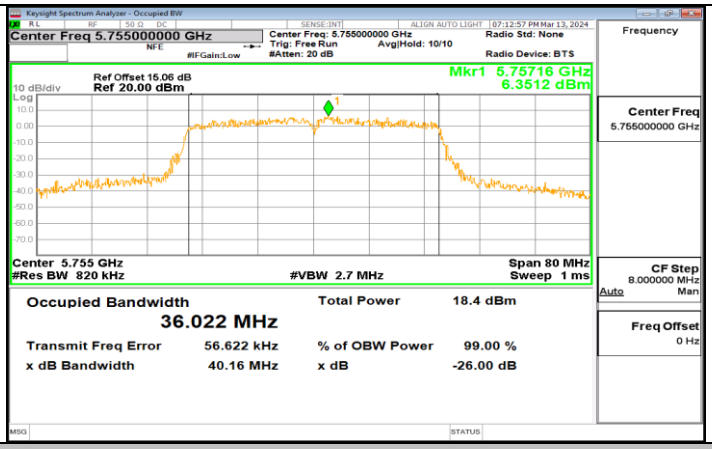



11N40MIMO_Ant2_5230

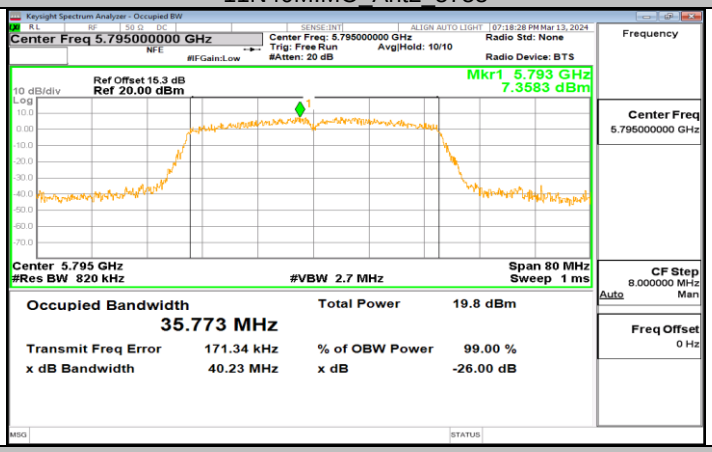



11N40MIMO_Ant1_5755

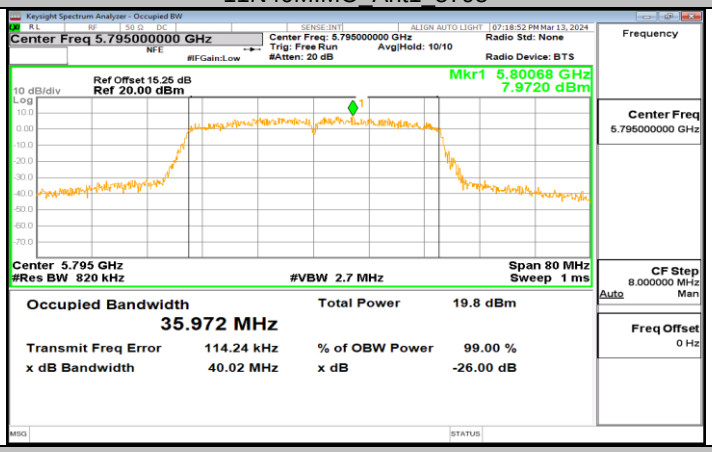

*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*



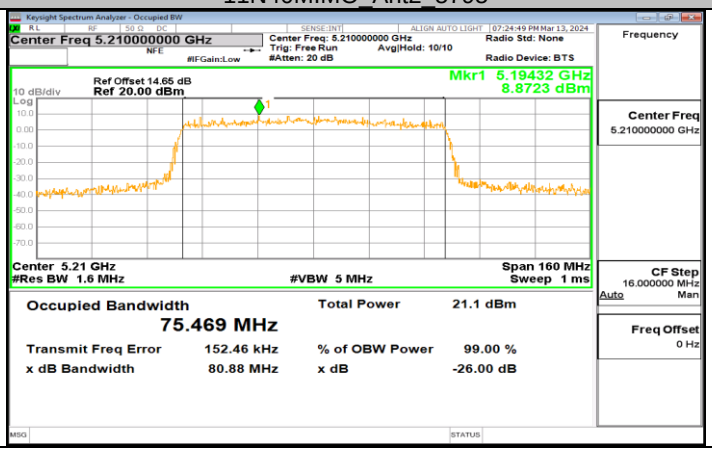

11N40MIMO_Ant2_5755




11N40MIMO_Ant1_5795



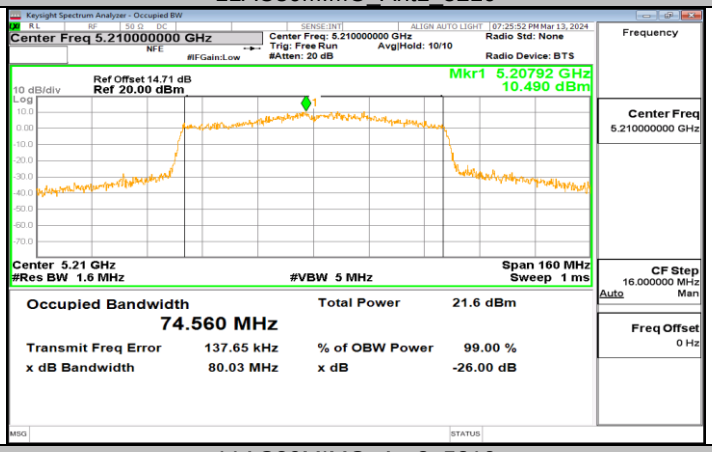

11N40MIMO_Ant2_5795



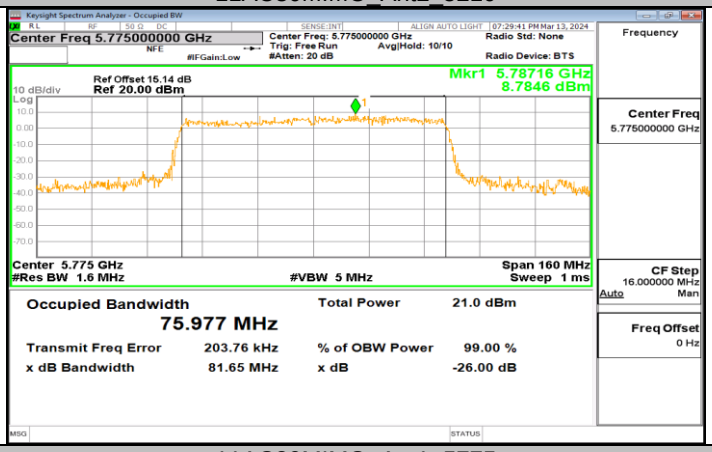


*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

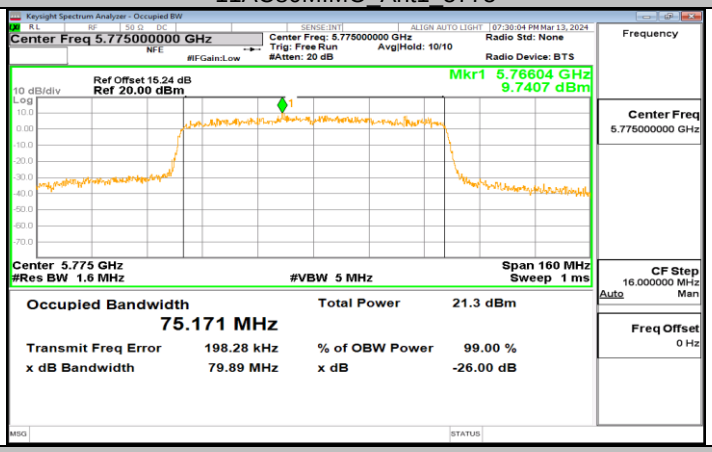
11AC80MIMO_Ant1_5210




11AC80MIMO_Ant2_5210




11AC80MIMO_Ant1_5775




11AC80MIMO_Ant2_5775


*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

## 11.3. APPENDIX A3: MIN EMISSION BANDWIDTH

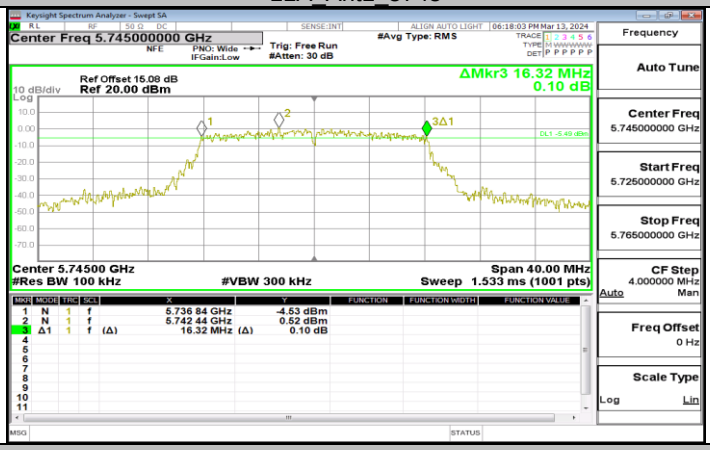
### 11.3.1. Test Result

| Test Mode | Antenna | Frequency [MHz] | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5745 | 16.360 | 5736.840 | 5753.200 | ≥0.5 | PASS |
| | Ant2 | 5745 | 16.320 | 5736.840 | 5753.160 | ≥0.5 | PASS |
| | Ant1 | 5785 | 16.320 | 5776.840 | 5793.160 | ≥0.5 | PASS |
| | Ant2 | 5785 | 16.280 | 5776.880 | 5793.160 | ≥0.5 | PASS |
| | Ant1 | 5825 | 16.280 | 5816.840 | 5833.120 | ≥0.5 | PASS |
| | Ant2 | 5825 | 16.360 | 5816.840 | 5833.200 | ≥0.5 | PASS |
| 11N20MIMO | Ant1 | 5745 | 16.960 | 5736.200 | 5753.160 | ≥0.5 | PASS |
| | Ant2 | 5745 | 16.920 | 5736.240 | 5753.160 | ≥0.5 | PASS |
| | Ant1 | 5785 | 17.560 | 5776.240 | 5793.800 | ≥0.5 | PASS |
| | Ant2 | 5785 | 17.480 | 5776.280 | 5793.760 | ≥0.5 | PASS |
| | Ant1 | 5825 | 17.040 | 5816.240 | 5833.280 | ≥0.5 | PASS |
| | Ant2 | 5825 | 17.520 | 5816.240 | 5833.760 | ≥0.5 | PASS |
| 11N40MIMO | Ant1 | 5755 | 33.200 | 5737.240 | 5770.440 | ≥0.5 | PASS |
| | Ant2 | 5755 | 36.000 | 5737.160 | 5773.160 | ≥0.5 | PASS |
| | Ant1 | 5795 | 35.680 | 5777.480 | 5813.160 | ≥0.5 | PASS |
| | Ant2 | 5795 | 36.320 | 5776.840 | 5813.160 | ≥0.5 | PASS |
| 11AC80MIMO | Ant1 | 5775 | 75.040 | 5737.880 | 5812.920 | ≥0.5 | PASS |
| | Ant2 | 5775 | 74.240 | 5738.680 | 5812.920 | ≥0.5 | PASS |

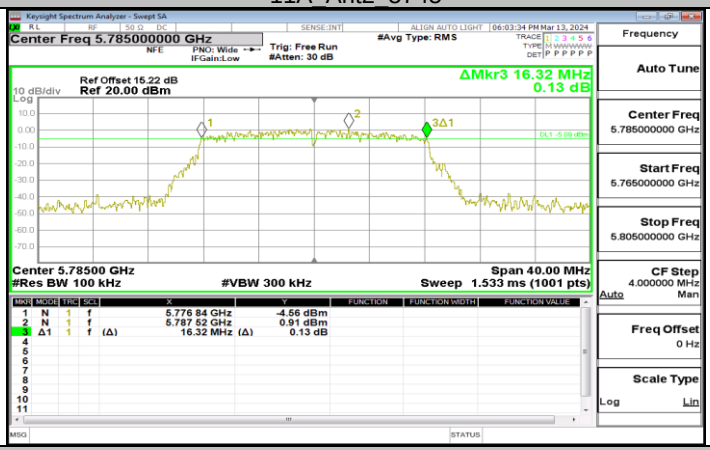

*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*

## 11.3.2. Test Graphs

11A_Ant1_5745




11A_Ant2_5745




11A_Ant1_5785


*This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.*