



Rt MF 90 0 Dt Center Freq 2.452000000 GHz 06:08:47 PM Aug 04, 202 Radio Std: None Radio Device: BTS Mkr1 2.45 GHz 12.378 dBm Ref Offset 19.5 dB Ref 20.00 dBm Center Fred 2.452000000 GHz Span 80 MHz Sweep 1 ms CF Step 8.000000 MH: #VBW 3 MHz Occupied Bandwidth 24.9 dBm **Total Power** 36.118 MHz Transmit Freq Error -63.870 kHz % of OBW Power 99.00 % 40.88 MHz -26.00 dB x dB Bandwidth x dB

11N40MIMO\_Ant2\_2452



## 11.3. Appendix C: Maximum AVG conducted output power 11.3.1. Test Result

| Test Mode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
|           | Ant1    | 2412    | 19.25       | <=30       | PASS    |
|           | Ant2    | 2412    | 19.80       | <=30       | PASS    |
|           | total   | 2412    | 22.54       | <=30       | PASS    |
|           | Ant1    | 2417    | 21.30       | <=30       | PASS    |
|           | Ant2    | 2417    | 21.33       | <=30       | PASS    |
|           | total   | 2417    | 24.33       | <=30       | PASS    |
|           | Ant1    | 2437    | 21.37       | <=30       | PASS    |
| 11B-CDD   | Ant2    | 2437    | 21.33       | <=30       | PASS    |
|           | total   | 2437    | 24.36       | <=30       | PASS    |
|           | Ant1    | 2457    | 21.45       | <=30       | PASS    |
|           | Ant2    | 2457    | 21.26       | <=30       | PASS    |
|           | total   | 2457    | 24.37       | <=30       | PASS    |
|           | Ant1    | 2462    | 20.59       | <=30       | PASS    |
|           | Ant2    | 2462    | 20.24       | <=30       | PASS    |
|           | total   | 2462    | 23.43       | <=30       | PASS    |
|           | Ant1    | 2412    | 17.40       | <=30       | PASS    |
|           | Ant2    | 2412    | 17.35       | <=30       | PASS    |
|           | total   | 2412    | 20.39       | <=30       | PASS    |
|           | Ant1    | 2417    | 20.60       | <=30       | PASS    |
|           | Ant2    | 2417    | 20.52       | <=30       | PASS    |
|           | total   | 2417    | 23.57       | <=30       | PASS    |
|           | Ant1    | 2437    | 21.20       | <=30       | PASS    |
| 11G-CDD   | Ant2    | 2437    | 21.06       | <=30       | PASS    |
|           | total   | 2437    | 24.14       | <=30       | PASS    |
|           | Ant1    | 2457    | 21.28       | <=30       | PASS    |
|           | Ant2    | 2457    | 21.08       | <=30       | PASS    |
|           | total   | 2457    | 24.19       | <=30       | PASS    |
|           | Ant1    | 2462    | 18.15       | <=30       | PASS    |
|           | Ant2    | 2462    | 17.91       | <=30       | PASS    |
|           | total   | 2462    | 21.04       | <=30       | PASS    |
|           | Ant1    | 2412    | 17.83       | <=30       | PASS    |
|           | Ant2    | 2412    | 17.94       | <=30       | PASS    |
|           | total   | 2412    | 20.90       | <=30       | PASS    |
|           | Ant1    | 2417    | 20.04       | <=30       | PASS    |
|           | Ant2    | 2417    | 20.20       | <=30       | PASS    |
|           | total   | 2417    | 23.13       | <=30       | PASS    |
|           | Ant1    | 2437    | 21.11       | <=30       | PASS    |
| 11N20MIMO | Ant2    | 2437    | 20.77       | <=30       | PASS    |
| -         | total   | 2437    | 23.95       | <=30       | PASS    |
|           | Ant1    | 2457    | 20.31       | <=30       | PASS    |
|           | Ant2    | 2457    | 19.86       | <=30       | PASS    |
|           | total   | 2457    | 23.10       | <=30       | PASS    |
|           | Ant1    | 2462    | 18.23       | <=30       | PASS    |
|           | Ant2    | 2462    | 17.65       | <=30       | PASS    |
|           | total   | 2462    | 20.96       | <=30       | PASS    |
|           | Ant1    | 2422    | 16.64       | <=30       | PASS    |
|           | Ant2    | 2422    | 16.17       | <=30       | PASS    |
|           | total   | 2422    | 19.42       | <=30       | PASS    |
| 11N40MIMO | Ant1    | 2427    | 17.25       | <=30       | PASS    |
|           | Ant2    | 2427    | 16.79       | <=30       | PASS    |
|           | total   | 2427    | 20.04       | <=30       | PASS    |
|           | Ant1    | 2437    | 19.48       | <=30       | PASS    |



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| Ant2  | 2437 | 19.12 | <=30 | PASS |
|-------|------|-------|------|------|
| total | 2437 | 22.31 | <=30 | PASS |
| Ant1  | 2447 | 17.07 | <=30 | PASS |
| Ant2  | 2447 | 16.15 | <=30 | PASS |
| total | 2447 | 19.64 | <=30 | PASS |
| Ant1  | 2452 | 16.96 | <=30 | PASS |
| Ant2  | 2452 | 16.03 | <=30 | PASS |
| total | 2452 | 19.53 | <=30 | PASS |

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.



### 11.4. Appendix D: Maximum power spectral density 11.4.1. Test Result

| Test Mode | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|------------------|-----------------|---------|
|           | Ant1    | 2412    | -9.25            | <=8             | PASS    |
|           | Ant2    | 2412    | -8.29            | <=8             | PASS    |
|           | total   | 2412    | -5.73            | <=8             | PASS    |
|           | Ant1    | 2417    | -7.39            | <=8             | PASS    |
|           | Ant2    | 2417    | -3.55            | <=8             | PASS    |
|           | total   | 2417    | -2.05            | <=8             | PASS    |
|           | Ant1    | 2437    | -6.65            | <=8             | PASS    |
| 11B-CDD   | Ant2    | 2437    | -6.5             | <=8             | PASS    |
|           | total   | 2437    | -3.56            | <=8             | PASS    |
|           | Ant1    | 2457    | -9.54            | <=8             | PASS    |
|           | Ant2    | 2457    | -8.17            | <=8             | PASS    |
|           | total   | 2457    | -5.79            | <=8             | PASS    |
|           | Ant1    | 2462    | -8.19            | <=8             | PASS    |
|           | Ant2    | 2462    | -5.68            | <=8             | PASS    |
|           | total   | 2462    | -3.75            | <=8             | PASS    |
|           | Ant1    | 2412    | -13.73           | <=8             | PASS    |
|           | Ant2    | 2412    | -13.38           | <=8             | PASS    |
|           | total   | 2412    | -10.54           | <=8             | PASS    |
|           | Ant1    | 2417    | -10.84           | <=8             | PASS    |
|           | Ant2    | 2417    | -10.71           | <=8             | PASS    |
| •         | total   | 2417    | -7.76            | <=8             | PASS    |
| -         | Ant1    | 2437    | -9.35            | <=8             | PASS    |
| 11G-CDD   | Ant2    | 2437    | -10.35           | <=8             | PASS    |
|           | total   | 2437    | -6.81            | <=8             | PASS    |
| -         | Ant1    | 2457    | -10.13           | <=8             | PASS    |
| -         | Ant2    | 2457    | -10.11           | <=8             | PASS    |
| -         | total   | 2457    | -7.11            | <=8             | PASS    |
| -         | Ant1    | 2462    | -13.32           | <=8             | PASS    |
| •         | Ant2    | 2462    | -13.31           | <=8             | PASS    |
| -         | total   | 2462    | -10.30           | <=8             | PASS    |
|           | Ant1    | 2412    | -14.46           | <=8             | PASS    |
| -         | Ant2    | 2412    | -13.68           | <=8             | PASS    |
| -         | total   | 2412    | -11.04           | <=8             | PASS    |
| -         | Ant1    | 2417    | -11.51           | <=8             | PASS    |
| -         | Ant2    | 2417    | -11.42           | <=8             | PASS    |
| -         | total   | 2417    | -8.45            | <=8             | PASS    |
| -         | Ant1    | 2437    | -10.84           | <=8             | PASS    |
| 11N20MIMO | Ant2    | 2437    | -10.67           | <=8             | PASS    |
|           | total   | 2437    | -7.74            | <=8             | PASS    |
| -         | Ant1    | 2457    | -11.82           | <=8             | PASS    |
|           | Ant2    | 2457    | -11.95           | <=8             | PASS    |
|           | total   | 2457    | -8.87            | <=8             | PASS    |
|           | Ant1    | 2462    | -14.59           | <=8             | PASS    |
|           | Ant2    | 2462    | -14.5            | <=8             | PASS    |
|           | total   | 2462    | -11.53           | <=8             | PASS    |
|           | Ant1    | 2422    | -18.96           | <=8             | PASS    |
|           | Ant2    | 2422    | -18.64           | <=8             | PASS    |
|           | total   | 2422    | -15.79           | <=8             | PASS    |
|           | Ant1    | 2427    | -17.3            | <=8             | PASS    |
| 11N40MIMO | Ant2    | 2427    | -16.74           | <=8             | PASS    |
|           | total   | 2427    | -14.00           | <=8             | PASS    |
| <u> </u>  | Ant1    | 2437    | -14.45           | <=8             | PASS    |
| <u> </u>  | Ant2    | 2437    | -15.52           | <=8             | PASS    |
| <u> </u>  | total   | 2437    | -11.94           | <=8             | PASS    |



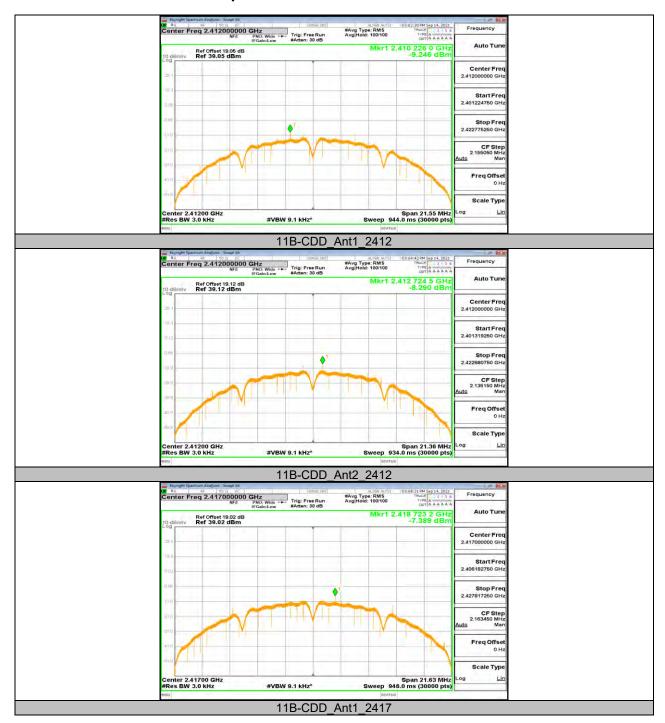
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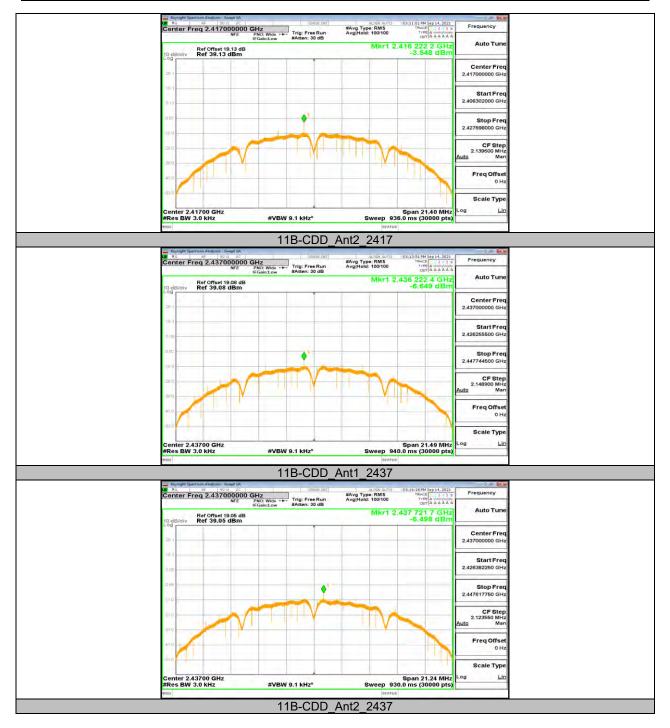
| Ant1  | 2447 | -17.5  | <=8 | PASS |
|-------|------|--------|-----|------|
| Ant2  | 2447 | -17.13 | <=8 | PASS |
| total | 2447 | -14.30 | <=8 | PASS |
| Ant1  | 2452 | -17.65 | <=8 | PASS |
| Ant2  | 2452 | -17.87 | <=8 | PASS |
| total | 2452 | -14.75 | <=8 | PASS |



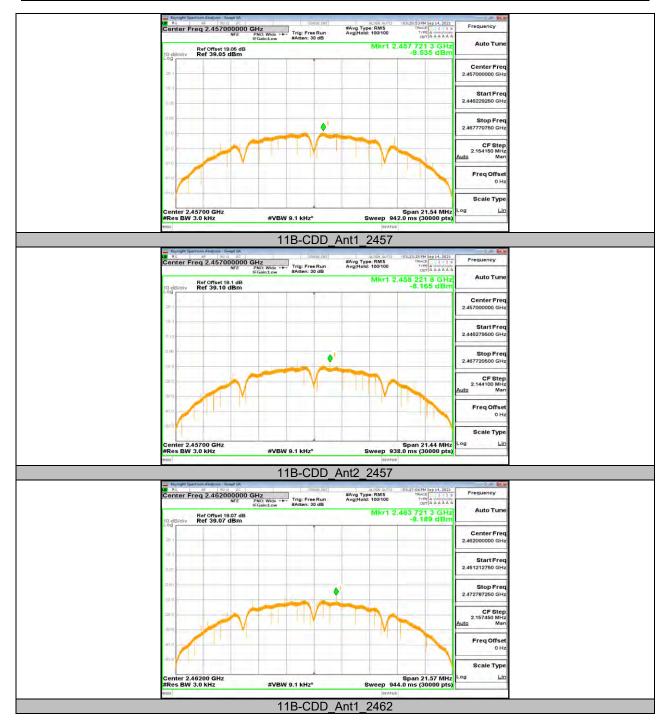
#### 11.4.1. Test Graphs



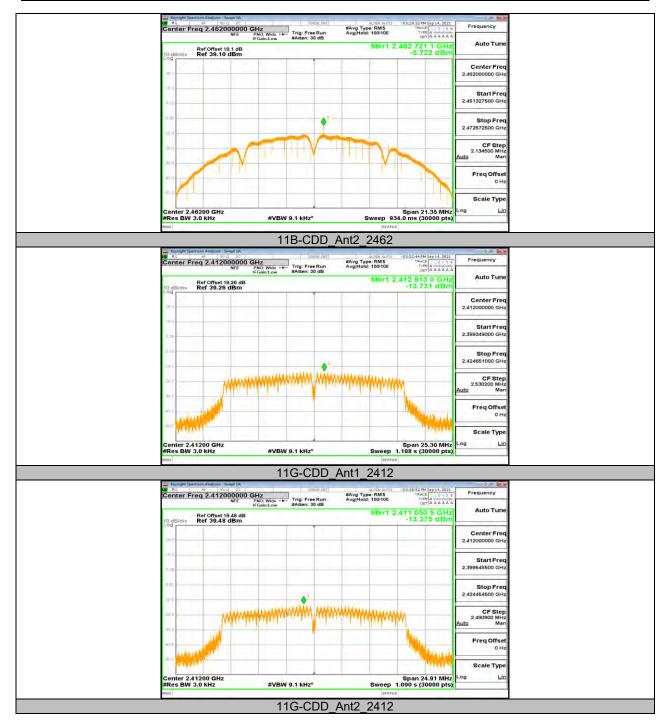




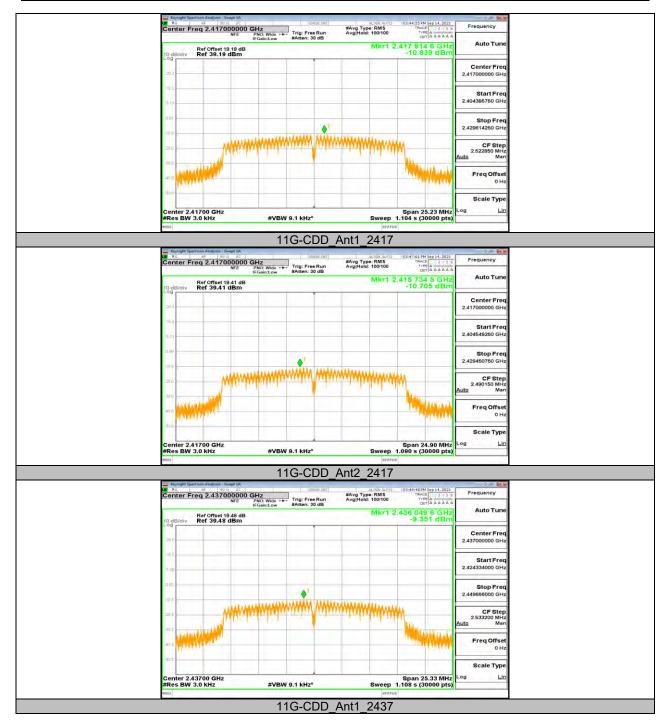




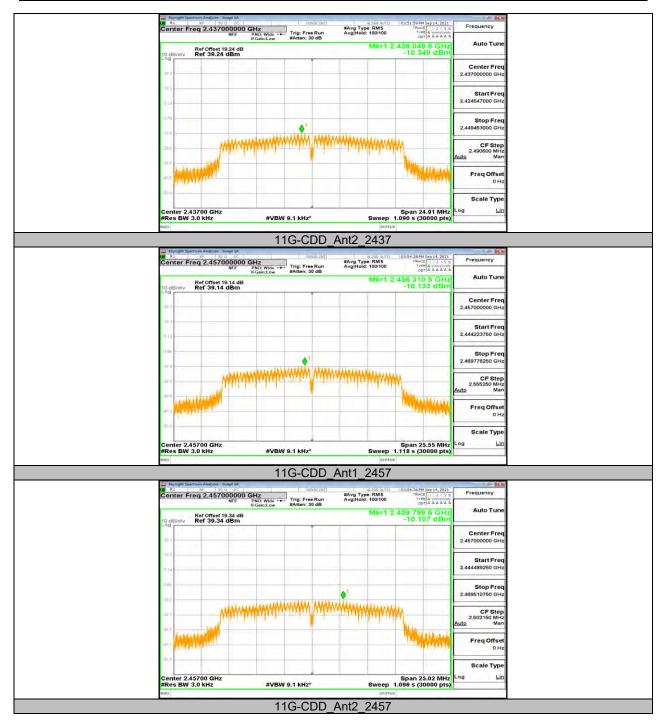




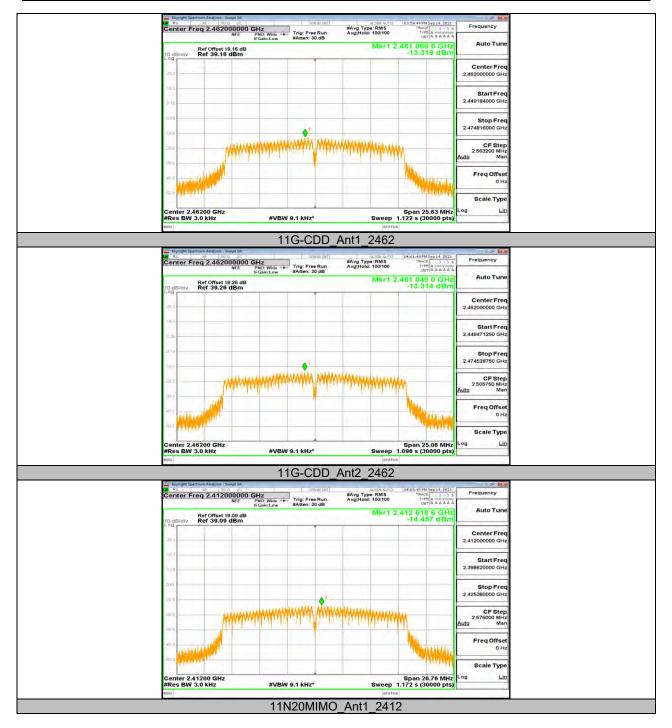




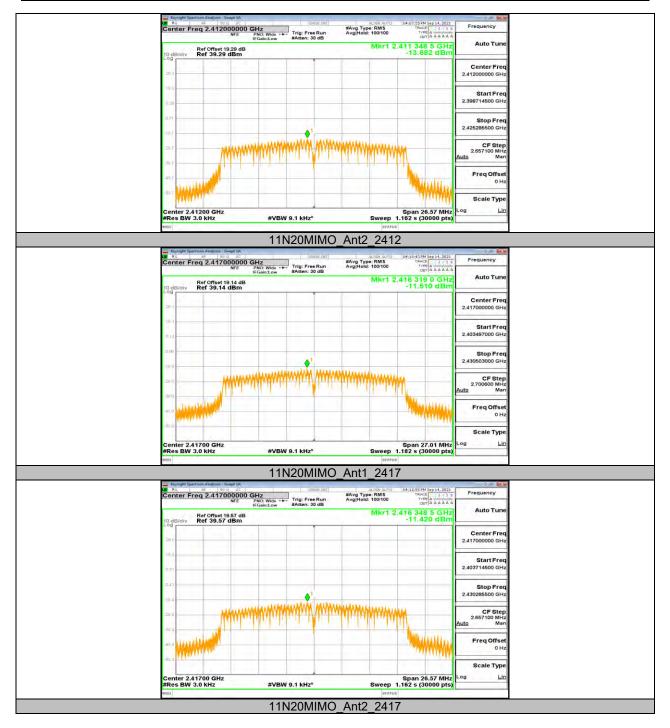




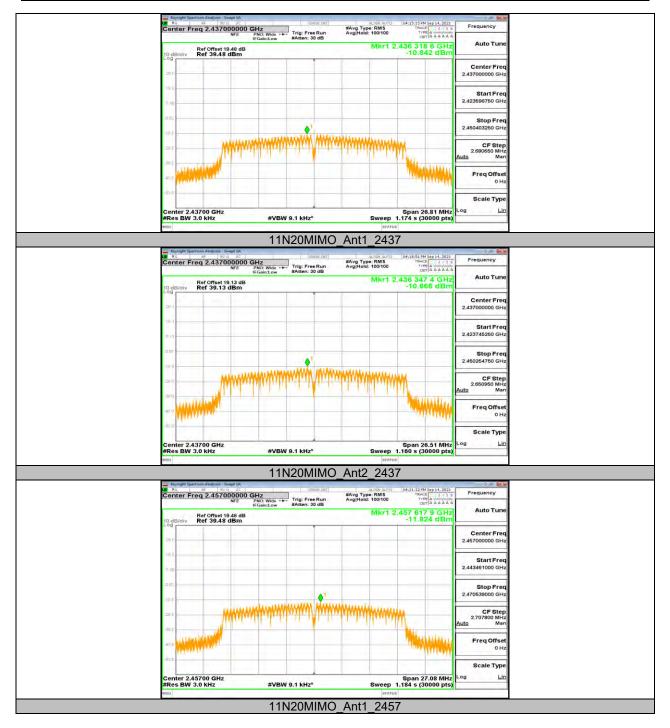




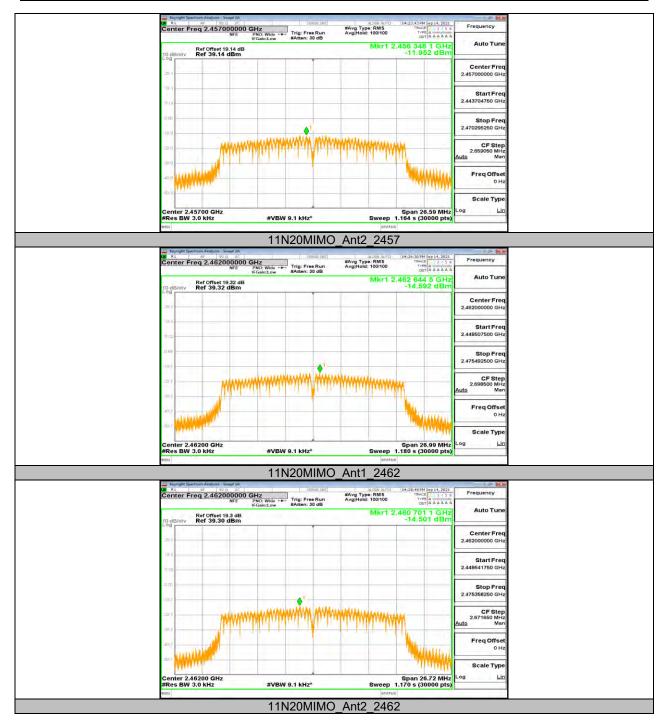




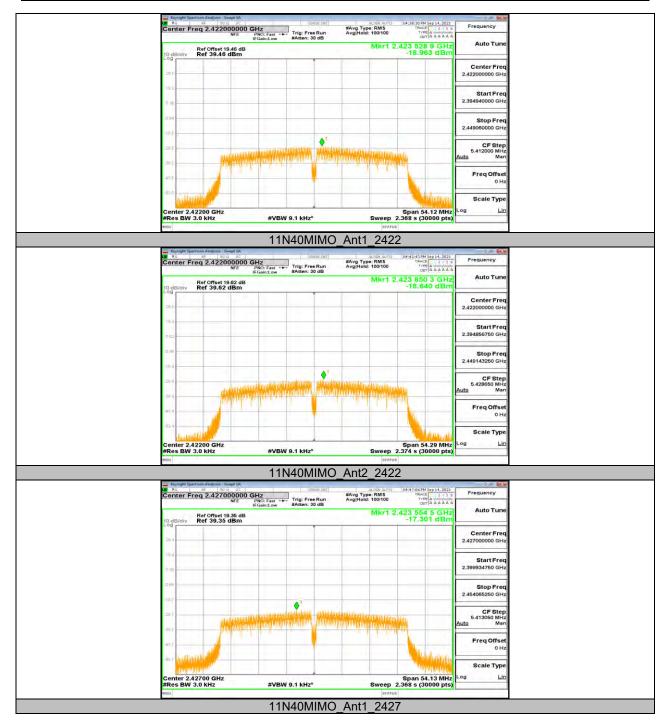




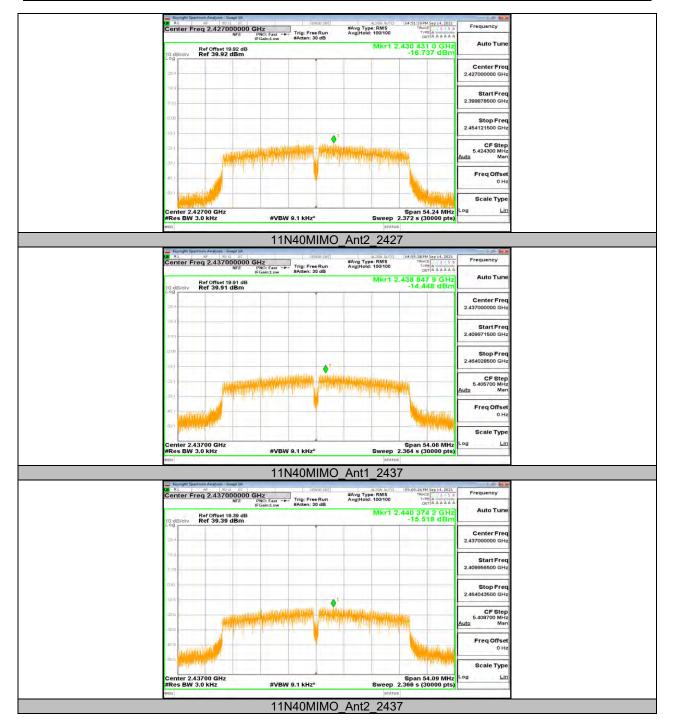




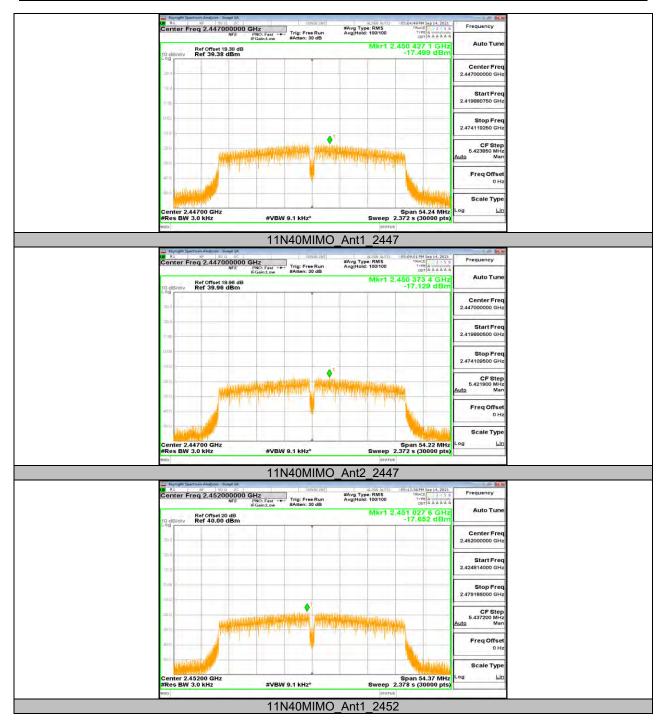














Center Freq 2.452000000 GHz

| PROF. sat - Trig: Free Run | May Type: RMS | 12.45 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12



# 11.5. Appendix E: Band edge measurements 11.5.1. Test Result

| Test Mode    | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|--------------|---------|--------|---------|---------------|-------------|------------|---------|
| 140.000      | Ant1    | Low    | 2412    | 6.03          | -35.45      | <=-23.97   | PASS    |
|              | Ant2    | Low    | 2412    | 5.77          | -38.86      | <=-24.23   | PASS    |
|              | Ant1    | Low    | 2417    | 6.12          | -38.32      | <=-23.88   | PASS    |
|              | Ant2    | Low    | 2417    | 5.73          | -40.91      | <=-24.27   | PASS    |
| 11B-CDD      | Ant1    | High   | 2457    | 4.80          | -41.07      | <=-25.21   | PASS    |
|              | Ant2    | High   | 2457    | 4.68          | -40.64      | <=-25.32   | PASS    |
|              | Ant1    | High   | 2462    | 5.52          | -41.1       | <=-24.48   | PASS    |
|              | Ant2    | High   | 2462    | 5.25          | -39.38      | <=-24.75   | PASS    |
|              | Ant1    | Low    | 2412    | 7.11          | -23.68      | <=-22.89   | PASS    |
|              | Ant2    | Low    | 2412    | 7.21          | -24.37      | <=-22.79   | PASS    |
|              | Ant1    | Low    | 2417    | 10.56         | -20.34      | <=-19.44   | PASS    |
| 440 000      | Ant2    | Low    | 2417    | 10.52         | -22.28      | <=-19.49   | PASS    |
| 11G-CDD      | Ant1    | High   | 2457    | 11.06         | -34.04      | <=-18.94   | PASS    |
|              | Ant2    | High   | 2457    | 10.69         | -34.36      | <=-19.31   | PASS    |
|              | Ant1    | High   | 2462    | 7.31          | -39.3       | <=-22.69   | PASS    |
|              | Ant2    | High   | 2462    | 7.05          | -38.23      | <=-22.96   | PASS    |
|              | Ant1    | Low    | 2412    | 7.74          | -22.32      | <=-22.26   | PASS    |
|              | Ant2    | Low    | 2412    | 7.42          | -23.14      | <=-22.58   | PASS    |
|              | Ant1    | Low    | 2417    | 9.65          | -20.75      | <=-20.35   | PASS    |
| 441100141140 | Ant2    | Low    | 2417    | 10.06         | -21.84      | <=-19.95   | PASS    |
| 11N20MIMO    | Ant1    | High   | 2457    | 10.26         | -36.36      | <=-19.75   | PASS    |
|              | Ant2    | High   | 2457    | 10.14         | -36.76      | <=-19.86   | PASS    |
|              | Ant1    | High   | 2462    | 7.65          | -34.49      | <=-22.35   | PASS    |
|              | Ant2    | High   | 2462    | 7.00          | -33.87      | <=-23      | PASS    |
| 11N40MIMO    | Ant1    | Low    | 2422    | 2.84          | -31.38      | <=-27.16   | PASS    |
|              | Ant2    | Low    | 2422    | 3.43          | -33.84      | <=-26.57   | PASS    |
|              | Ant1    | Low    | 2427    | 4.15          | -26.21      | <=-25.85   | PASS    |
|              | Ant2    | Low    | 2427    | 4.75          | -28.85      | <=-25.25   | PASS    |
|              | Ant1    | High - | 2427    | 5.09          | -40.67      | <=-24.91   | PASS    |
|              |         |        | 2447    | 4.15          | -35.07      | <=-25.85   | PASS    |
|              | Ant2    | High   | 2447    | 4.48          | -34.41      | <=-25.52   | PASS    |
|              | Ant1    | High   | 2452    | 3.14          | -34.09      | <=-26.86   | PASS    |
|              | Ant2    | High   | 2452    | 3.22          | -37.24      | <=-26.78   | PASS    |



#### 11.5.2. Test Graphs



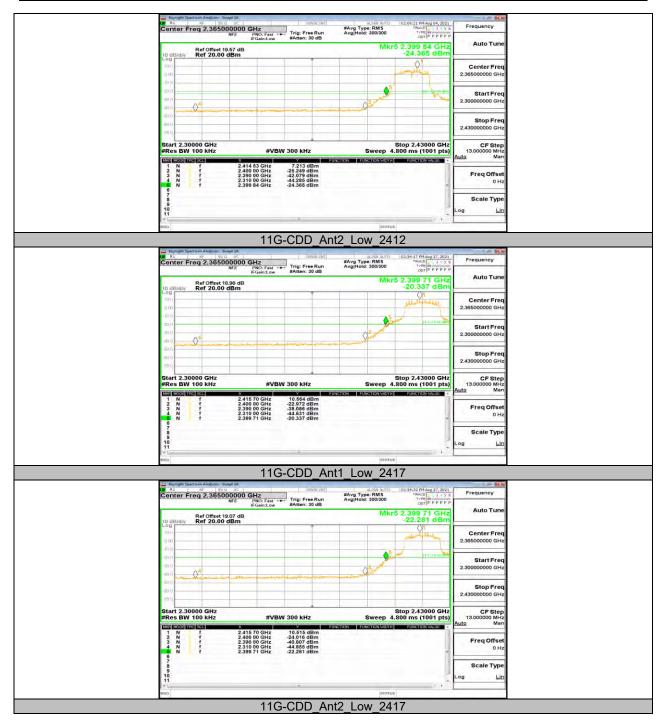










































## 11.6. Appendix F: Conducted Spurious Emission 11.6.1. Test Result

| Test Mode | Antenna | Channel | FreqRange<br>[Mhz]    | Result<br>[dBm] | Limit<br>[dBm]       | Verdict |
|-----------|---------|---------|-----------------------|-----------------|----------------------|---------|
|           |         |         | Reference             | 5.89            |                      | PASS    |
|           | Ant1    | 2412    | 30~1000               | -53.25          | <=-24.11             | PASS    |
|           |         |         | 1000~26500            | -43.9           | <=-24.11             | PASS    |
|           |         |         | Reference             | 6.57            |                      | PASS    |
|           | Ant2    | 2412    | 30~1000               | -52.1           | <=-23.43             | PASS    |
|           |         |         | 1000~26500            | -44.42          | <=-23.43             | PASS    |
|           |         | 2417    | Reference             | 5.91            |                      | PASS    |
|           | Ant1    |         | 30~1000               | -53.31          | <=-24.09             | PASS    |
|           |         |         | 1000~26500            | -44.51          | <=-24.09             | PASS    |
|           | Ant2    | 2417    | Reference             | 5.31            |                      | PASS    |
|           |         |         | 30~1000               | -54.19          | <=-24.7              | PASS    |
|           | 71112   | 2-11/   | 1000~26500            | -44.97          | <=-24.7              | PASS    |
|           |         | 2437    | Reference             | 6.14            | ~~ Z-T.1             | PASS    |
|           | Ant1    |         | 30~1000               | -53             | <=-23.86             | PASS    |
|           |         | 2401    | 1000~26500            | -44.34          | <=-23.86             | PASS    |
| 11B-CDD   |         |         | Reference             | 4.81            | V20.00               | PASS    |
|           | Ant2    | 2437    | 30~1000               | -53.59          | <=-25.19             | PASS    |
|           | AIILZ   | 2431    | 1000~26500            | -44.49          | <=-25.19<br><=-25.19 | PASS    |
|           |         |         | Reference             | 4.45            |                      | PASS    |
|           | Ant1    | 2457    |                       | -53.6           | <br><=-25.56         | PASS    |
|           | Anti    | 2457    | 30~1000<br>1000~26500 |                 | <=-25.56             | PASS    |
|           |         |         |                       | -44.51          | <25.50               |         |
|           | A 4O    | 2457    | Reference             | 4.64            |                      | PASS    |
|           | Ant2    |         | 30~1000               | -52.37          | <=-25.36             | PASS    |
|           |         |         | 1000~26500            | -44.69          | <=-25.36             | PASS    |
|           |         | 2462    | Reference             | 5.36            |                      | PASS    |
|           | Ant1    |         | 30~1000               | -52.64          | <=-24.64             | PASS    |
|           | Ant2    |         | 1000~26500            | -44.63          | <=-24.64             | PASS    |
|           |         | 0.400   | Reference             | 5.34            |                      | PASS    |
|           |         | 2462    | 30~1000               | -52.9           | <=-24.66             | PASS    |
|           | Ant1    |         | 1000~26500            | -44.32          | <=-24.66             | PASS    |
|           |         | 2412    | Reference             | 6.95            |                      | PASS    |
|           |         |         | 30~1000               | -52.51          | <=-23.05             | PASS    |
|           |         |         | 1000~26500            | -44.63          | <=-23.05             | PASS    |
|           | Ant2    | 2412    | Reference             | 5.50            |                      | PASS    |
|           |         |         | 30~1000               | -52.88          | <=-24.5              | PASS    |
|           |         |         | 1000~26500            | -44.43          | <=-24.5              | PASS    |
|           | Ant1    | 2417    | Reference             | 9.12            |                      | PASS    |
|           |         |         | 30~1000               | -54.08          | <=-20.88             | PASS    |
|           |         |         | 1000~26500            | -44.14          | <=-20.88             | PASS    |
|           | Ant2    | 2417    | Reference             | 8.42            |                      | PASS    |
|           |         |         | 30~1000               | -53.78          | <=-21.58             | PASS    |
| 11G-CDD   |         |         | 1000~26500            | -44.5           | <=-21.58             | PASS    |
|           | Ant1    | 2437    | Reference             | 9.38            |                      | PASS    |
|           |         |         | 30~1000               | -54.63          | <=-20.62             | PASS    |
|           |         |         | 1000~26500            | -44.76          | <=-20.62             | PASS    |
|           | Ant2    | 2437    | Reference             | 10.64           |                      | PASS    |
|           |         |         | 30~1000               | -53.49          | <=-19.36             | PASS    |
|           |         |         | 1000~26500            | -45.15          | <=-19.36             | PASS    |
|           | Ant1    | 2457    | Reference             | 10.20           |                      | PASS    |
|           |         |         | 30~1000               | -53.79          | <=-19.8              | PASS    |
|           |         |         | 1000~26500            | -44.89          | <=-19.8              | PASS    |
|           | Ant2    | 2457    | Reference             | 9.34            |                      | PASS    |
|           |         |         | 30~1000               | -53.6           | <=-20.66             | PASS    |



|               |              | 1    | 1000-26500              | -44.62 | Z= 20.66     | PASS |
|---------------|--------------|------|-------------------------|--------|--------------|------|
| -             |              |      | 1000~26500<br>Reference | 7.26   | <=-20.66<br> | PASS |
|               | Ant1         | 2462 | 30~1000                 | -53.42 | <=-22.74     | PASS |
|               | AIILI        | 2402 | 1000~26500              | -44.41 | <=-22.74     | PASS |
|               |              |      | Reference               | 6.95   |              | PASS |
|               | Ant2         | 2462 | 30~1000                 | -53    | <=-23.05     | PASS |
|               | AIIL         | 2402 | 1000~26500              | -43.63 | <=-23.05     | PASS |
|               |              |      | Reference               | 6.81   |              | PASS |
|               | Ant1         | 2412 | 30~1000                 | -53.43 | <=-23.19     | PASS |
|               | Allti        |      | 1000~26500              | -44.53 | <=-23.19     | PASS |
| ŀ             | Ant2         | 2412 | Reference               | 7.31   |              | PASS |
|               |              |      | 30~1000                 | -53.63 | <=-22.69     | PASS |
|               |              |      | 1000~26500              | -43.94 | <=-22.69     | PASS |
|               |              |      | Reference               | 10.30  |              | PASS |
|               | Ant1         | 2417 | 30~1000                 | -53.95 | <=-19.7      | PASS |
|               |              |      | 1000~26500              | -45.27 | <=-19.7      | PASS |
|               |              |      | Reference               | 10.42  |              | PASS |
|               | Ant2         | 2417 | 30~1000                 | -53.02 | <=-19.58     | PASS |
|               | <u>-</u>     |      | 1000~26500              | -45.54 | <=-19.58     | PASS |
|               |              |      | Reference               | 9.73   |              | PASS |
|               | Ant1         | 2437 | 30~1000                 | -54.14 | <=-20.27     | PASS |
|               |              |      | 1000~26500              | -45.17 | <=-20.27     | PASS |
| 11N20MIMO     |              |      | Reference               | 9.47   |              | PASS |
|               | Ant2         | 2437 | 30~1000                 | -54.05 | <=-20.53     | PASS |
|               |              |      | 1000~26500              | -45.56 | <=-20.53     | PASS |
|               |              |      | Reference               | 10.48  |              | PASS |
|               | Ant1         | 2457 | 30~1000                 | -54.6  | <=-19.52     | PASS |
|               |              |      | 1000~26500              | -44.81 | <=-19.52     | PASS |
|               |              |      | Reference               | 9.89   |              | PASS |
|               | Ant2         | 2457 | 30~1000                 | -53.98 | <=-20.11     | PASS |
|               |              |      | 1000~26500              | -44.35 | <=-20.11     | PASS |
|               | Ant1         |      | Reference               | 6.63   |              | PASS |
|               |              | 2462 | 30~1000                 | -52.97 | <=-23.38     | PASS |
|               |              |      | 1000~26500              | -44.65 | <=-23.38     | PASS |
|               | Ant2         |      | Reference               | 7.63   |              | PASS |
|               |              | 2462 | 30~1000                 | -53.59 | <=-22.38     | PASS |
|               |              |      | 1000~26500              | -44.89 | <=-22.38     | PASS |
|               | Ant1         | 2422 | Reference               | 2.72   |              | PASS |
|               |              |      | 30~1000                 | -53.73 | <=-27.28     | PASS |
|               |              |      | 1000~26500              | -44.49 | <=-27.28     | PASS |
|               | Ant2         | 2422 | Reference               | 2.54   |              | PASS |
|               |              |      | 30~1000                 | -53.57 | <=-27.46     | PASS |
|               |              |      | 1000~26500              | -45.36 | <=-27.46     | PASS |
|               | Ant1         | 2427 | Reference               | 4.27   |              | PASS |
|               |              |      | 30~1000                 | -54.05 | <=-25.73     | PASS |
|               |              |      | 1000~26500              | -45.62 | <=-25.73     | PASS |
|               | Ant2         | 2427 | Reference               | 4.17   |              | PASS |
|               |              |      | 30~1000                 | -53.37 | <=-25.83     | PASS |
| 11N40MIMO     |              |      | 1000~26500              | -44.41 | <=-25.83     | PASS |
| THE TOTALINIO | Ant1<br>Ant2 |      | Reference               | 6.48   |              | PASS |
|               |              | 2437 | 30~1000                 | -52.96 | <=-23.52     | PASS |
|               |              |      | 1000~26500              | -44.72 | <=-23.52     | PASS |
|               |              | 2437 | Reference               | 5.73   |              | PASS |
|               |              |      | 30~1000                 | -53.62 | <=-24.27     | PASS |
|               |              |      | 1000~26500              | -45.38 | <=-24.27     | PASS |
|               | Ant1         | 2447 | Reference               | 4.11   |              | PASS |
|               |              |      | 30~1000                 | -53.79 | <=-25.89     | PASS |
|               |              |      | 1000~26500              | -44.93 | <=-25.89     | PASS |
|               | Ant2         | 2447 | Reference               | 4.51   |              | PASS |
|               |              |      | 30~1000                 | -54.33 | <=-25.49     | PASS |
|               |              |      | 1000~26500              | -45.15 | <=-25.49     | PASS |



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|    | Ant1 | 2452 | Reference  | 2.66   |          | PASS |
|----|------|------|------------|--------|----------|------|
|    |      |      | 30~1000    | -54.45 | <=-27.34 | PASS |
|    |      |      | 1000~26500 | -44.74 | <=-27.34 | PASS |
| An |      | 2452 | Reference  | 1.93   |          | PASS |
|    | Ant2 |      | 30~1000    | -53.93 | <=-28.07 | PASS |
|    |      |      | 1000~26500 | -44.45 | <=-28.07 | PASS |



## 11.6.2. Test Graphs

