



**CQASZ20260801797E-01**

### Summary

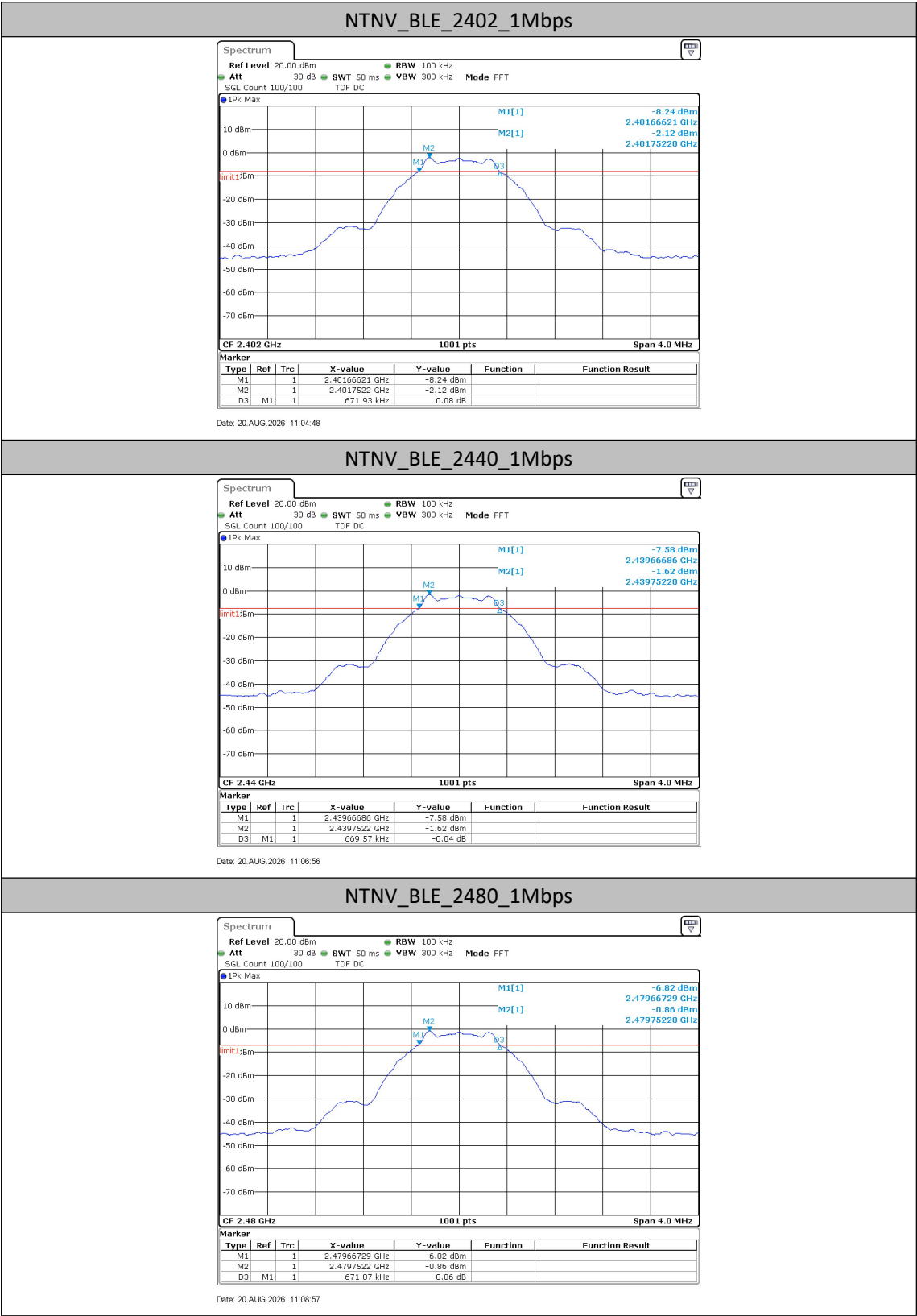
| NO. | Item                           | Verdict |
|-----|--------------------------------|---------|
| 1   | DTS Bandwidth                  | Pass    |
| 2   | Occupied Channel Bandwidth     | Pass    |
| 3   | Maximum conducted output power | Pass    |
| 4   | Maximum power spectral density | Pass    |
| 5   | Band edge measurements         | Pass    |
| 6   | Conducted Spurious Emission    | Pass    |
| 7   | Duty Cycle                     | Pass    |

## Appendix A: DTS Bandwidth

### Test Result

| NO. | Test Condition | Test Mode | Freq (MHz) | Rate  | Antenna | 6dB Occupy Bandwidth (MHz) | FL (MHz) | FH (MHz) | Limit (MHz) | Verdict |
|-----|----------------|-----------|------------|-------|---------|----------------------------|----------|----------|-------------|---------|
| 1   | NTNV           | BLE       | 2402       | 1Mbps | ANT1    | 0.67                       | 2401.67  | 2402.34  | $\geq 0.5$  | Pass    |
| 2   | NTNV           | BLE       | 2440       | 1Mbps | ANT1    | 0.67                       | 2439.67  | 2440.34  | $\geq 0.5$  | Pass    |
| 3   | NTNV           | BLE       | 2480       | 1Mbps | ANT1    | 0.67                       | 2479.67  | 2480.34  | $\geq 0.5$  | Pass    |

Test Graphs

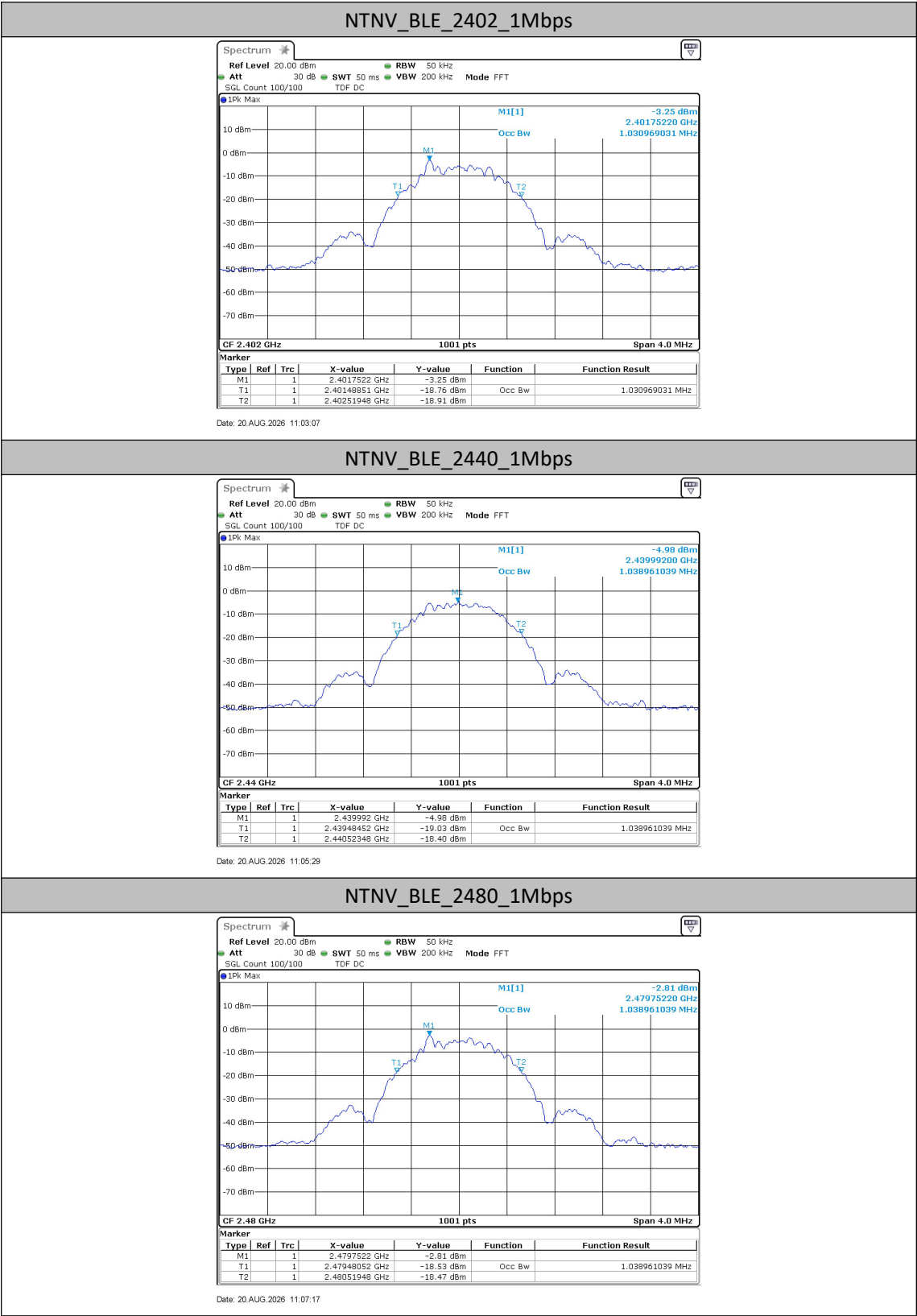


## Appendix B: Occupied Channel Bandwidth

### Test Result

| NO. | Test Condition | Test Mode | Freq (MHz) | Rate  | Antenna | 99% OBW (MHz) | Limit (MHz) | FL (MHz) | FH (MHz) | Verdict |
|-----|----------------|-----------|------------|-------|---------|---------------|-------------|----------|----------|---------|
| 1   | NTNV           | BLE       | 2402       | 1Mbps | ANT1    | 1.03          | -           | 2401.49  | 2402.52  | Pass    |
| 2   | NTNV           | BLE       | 2440       | 1Mbps | ANT1    | 1.04          | -           | 2439.48  | 2440.52  | Pass    |
| 3   | NTNV           | BLE       | 2480       | 1Mbps | ANT1    | 1.04          | -           | 2479.48  | 2480.52  | Pass    |

Test Graphs

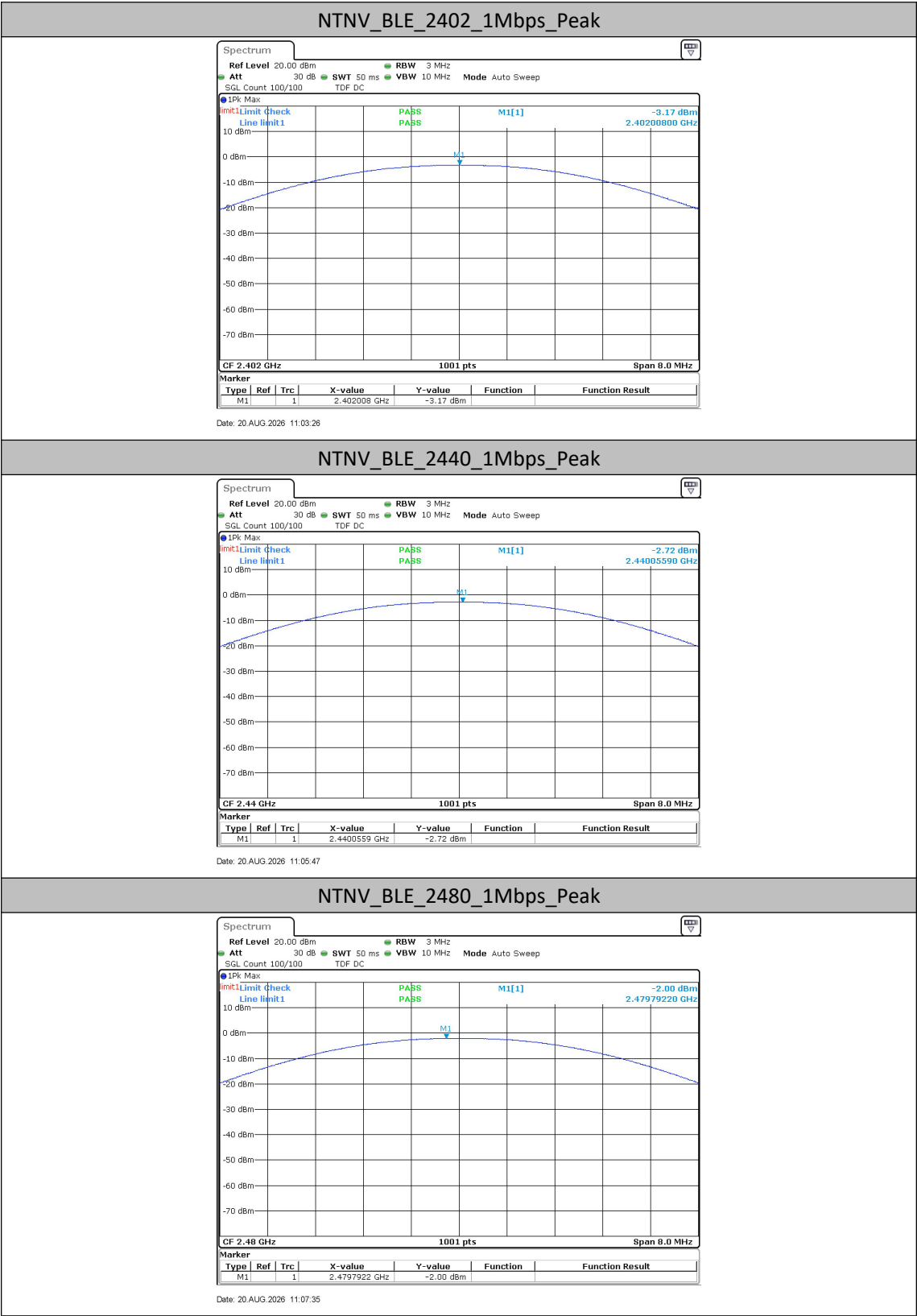


## Appendix C: Maximum conducted output power

### Test Result

| NO. | Test Condition | Test Mode | Freq (MHz) | Detector | Antenna | Conducted Peak Power (dBm) | Conducted Limit (dBm) | Verdict |
|-----|----------------|-----------|------------|----------|---------|----------------------------|-----------------------|---------|
| 1   | NTNV           | BLE       | 2402       | Peak     | ANT1    | -3.17                      | ≤30                   | Pass    |
| 2   | NTNV           | BLE       | 2440       | Peak     | ANT1    | -2.72                      | ≤30                   | Pass    |
| 3   | NTNV           | BLE       | 2480       | Peak     | ANT1    | -2.00                      | ≤30                   | Pass    |

Test Graphs

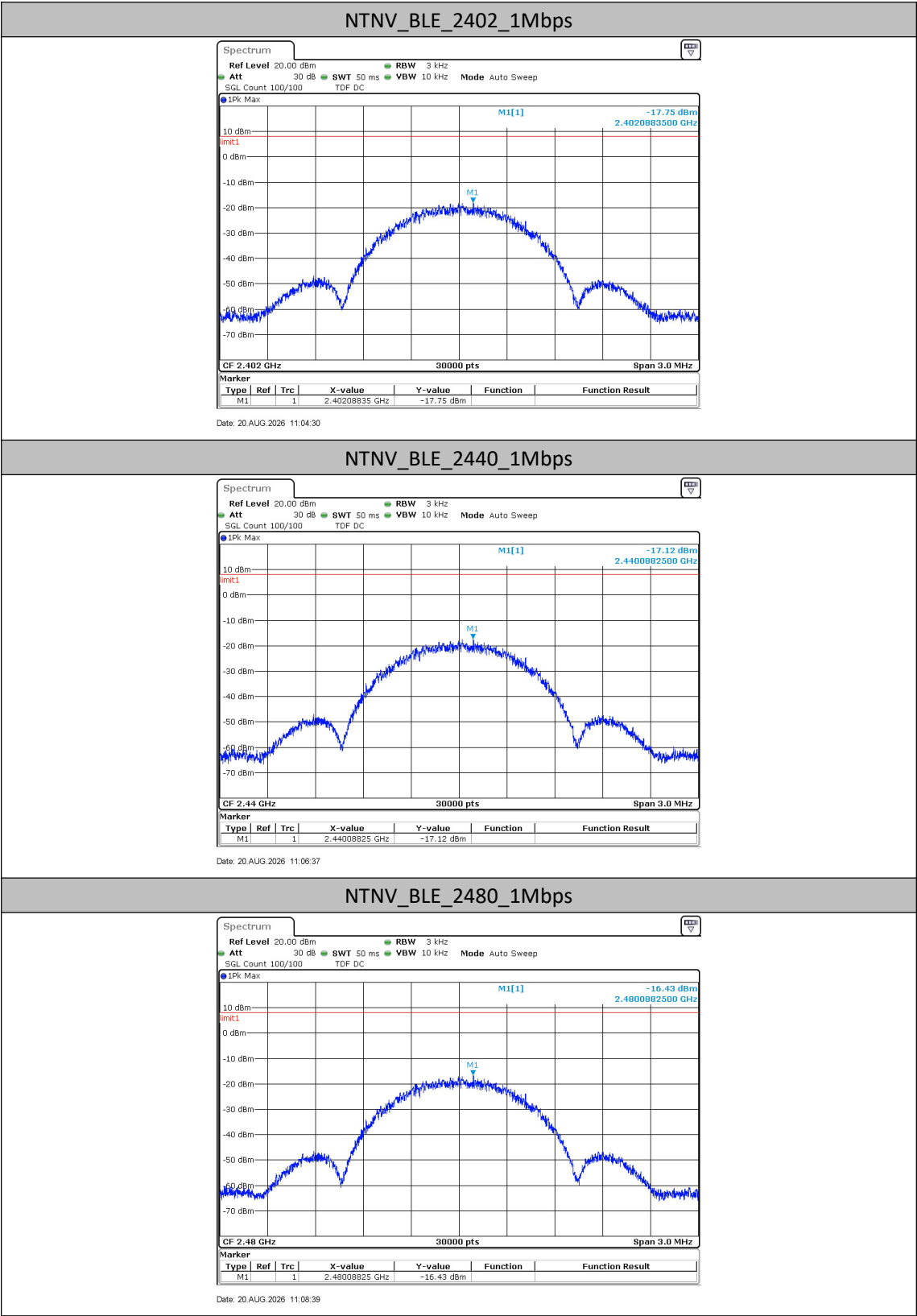


## Appendix D: Maximum power spectral density

### Test Result

| NO. | Test Condition | Test Mode | Freq (MHz) | Rate  | Antenna | Power Spectral Density (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----|----------------|-----------|------------|-------|---------|-----------------------------------|------------------|---------|
| 1   | NTNV           | BLE       | 2402       | 1Mbps | ANT1    | -17.75                            | $\leq 8$         | Pass    |
| 2   | NTNV           | BLE       | 2440       | 1Mbps | ANT1    | -17.12                            | $\leq 8$         | Pass    |
| 3   | NTNV           | BLE       | 2480       | 1Mbps | ANT1    | -16.43                            | $\leq 8$         | Pass    |

Test Graphs

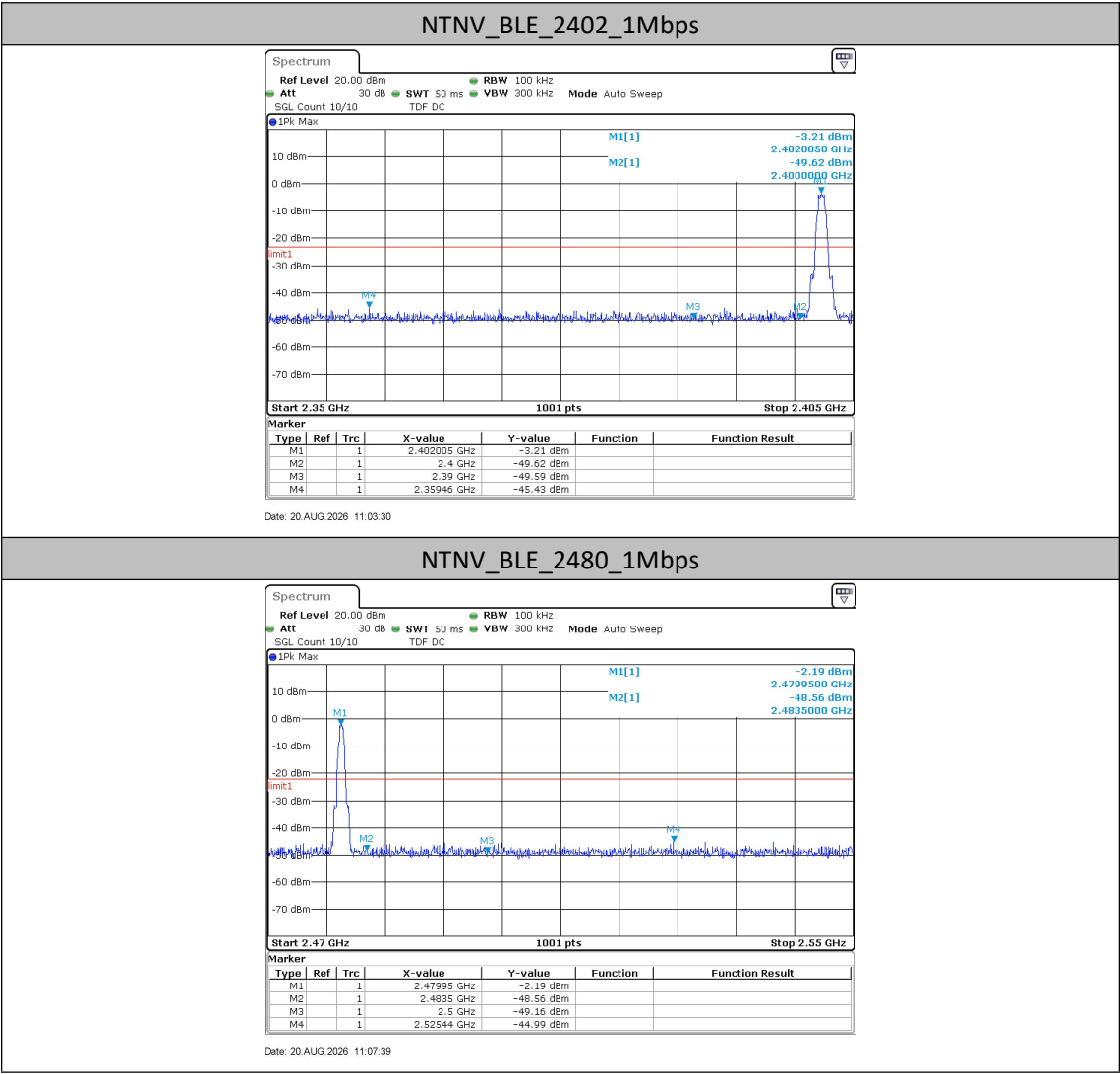


## Appendix E: Band edge measurements

### Test Result

| NO. | Test Condition | Test Mode | Freq (MHz) | Rate  | Antenna | Reference (dBm) | Emission Level (dBm) | Limit (dBm)   | Verdict |
|-----|----------------|-----------|------------|-------|---------|-----------------|----------------------|---------------|---------|
| 1   | NTNV           | BLE       | 2402       | 1Mbps | ANT1    | -3.21           | -45.43               | $\leq -23.21$ | Pass    |
| 2   | NTNV           | BLE       | 2480       | 1Mbps | ANT1    | -2.19           | -44.99               | $\leq -22.19$ | Pass    |

Test Graphs

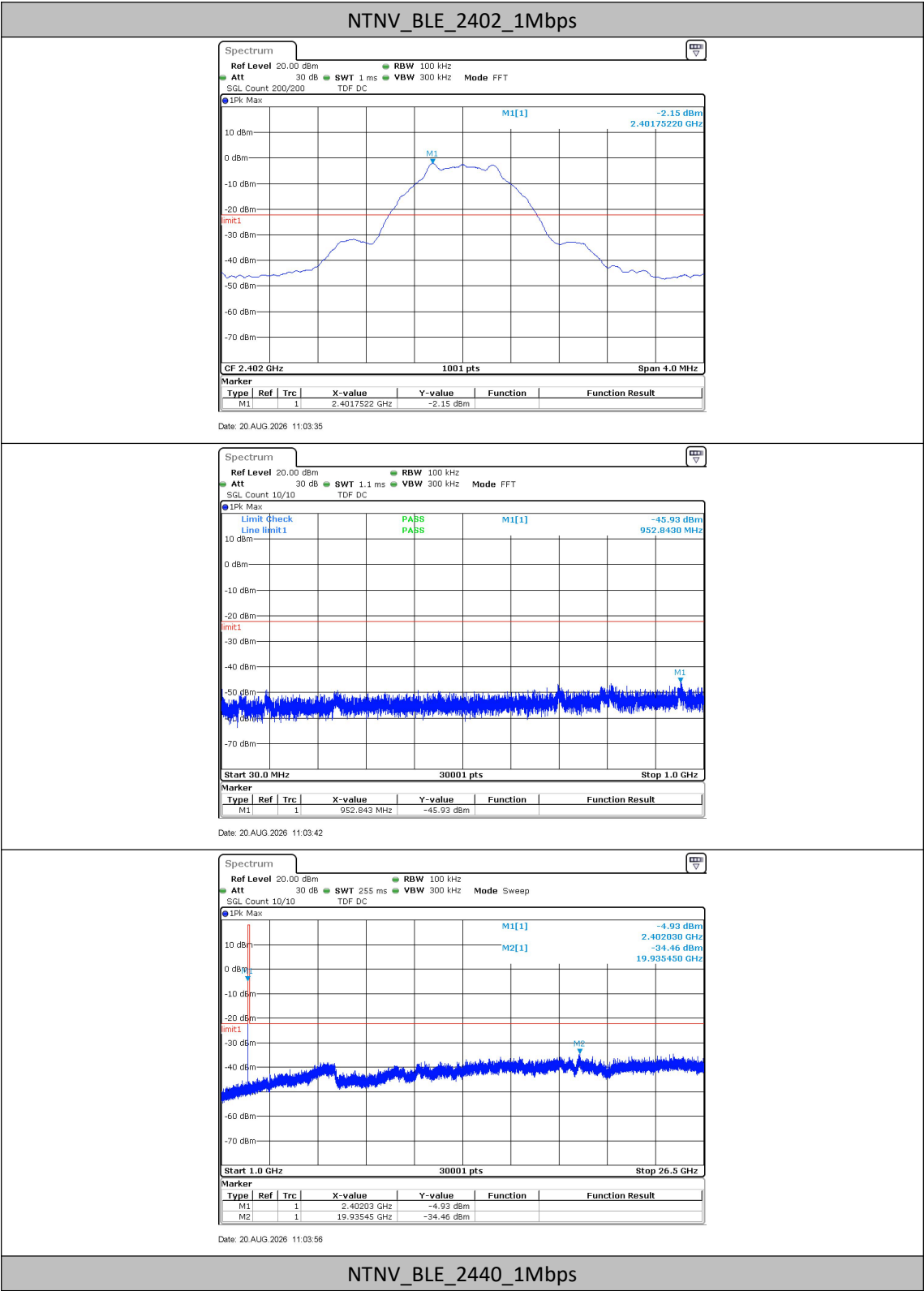


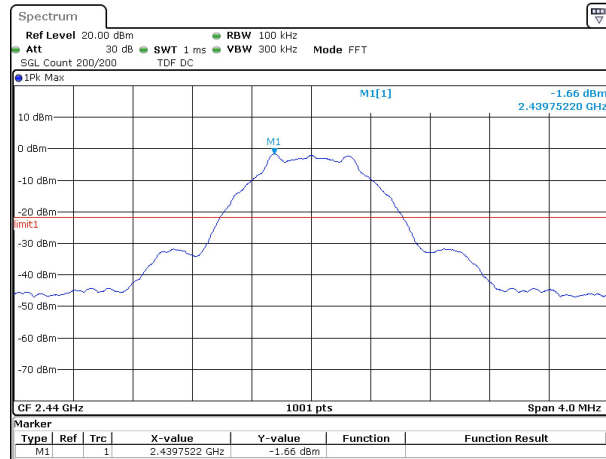
## Appendix F: Conducted Spurious Emission

### Test Result

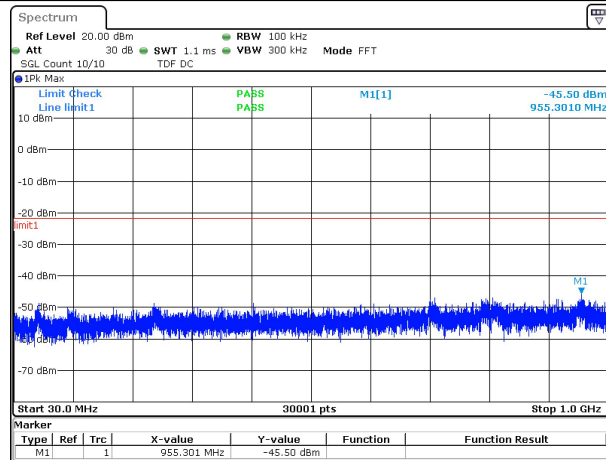
| NO. | Test Condition | Test Mode | Freq (MHz) | Rate  | Antenna | Frequency Range (MHz) | Ref Level (MHz) | Max Power (dBm) | Limit (dBm) | Verdict |
|-----|----------------|-----------|------------|-------|---------|-----------------------|-----------------|-----------------|-------------|---------|
| 1   | NTNV           | BLE       | 2402       | 1Mbps | ANT1    | Reference             | 0.1             | -2.15           | /           | /       |
|     |                |           |            |       |         | 30~1000               | 0.1             | -45.93          | ≤-22.15     | Pass    |
|     |                |           |            |       |         | 1000~26500            | 0.1             | -34.46          | ≤-22.15     | Pass    |
| 2   | NTNV           | BLE       | 2440       | 1Mbps | ANT1    | Reference             | 0.1             | -1.66           | /           | /       |
|     |                |           |            |       |         | 30~1000               | 0.1             | -45.50          | ≤-21.66     | Pass    |
|     |                |           |            |       |         | 1000~26500            | 0.1             | -35.11          | ≤-21.66     | Pass    |
| 3   | NTNV           | BLE       | 2480       | 1Mbps | ANT1    | Reference             | 0.1             | -0.87           | /           | /       |
|     |                |           |            |       |         | 30~1000               | 0.1             | -46.42          | ≤-20.87     | Pass    |
|     |                |           |            |       |         | 1000~26500            | 0.1             | -35.01          | ≤-20.87     | Pass    |

Test Graphs

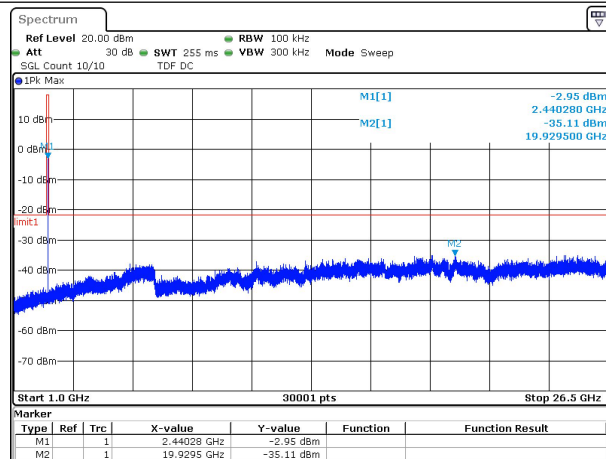




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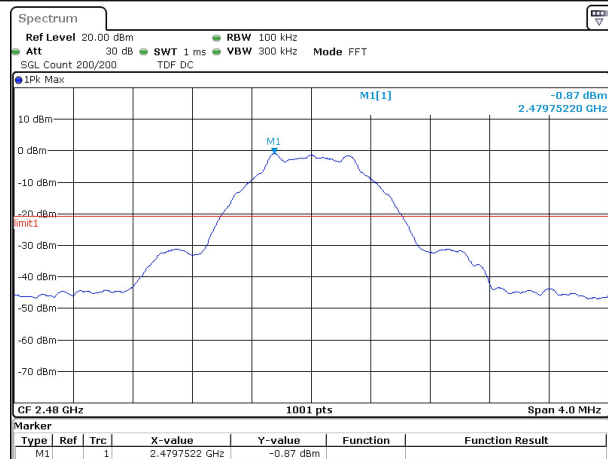


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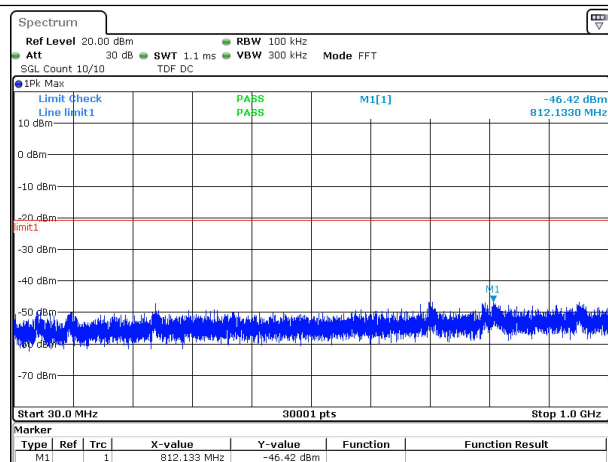


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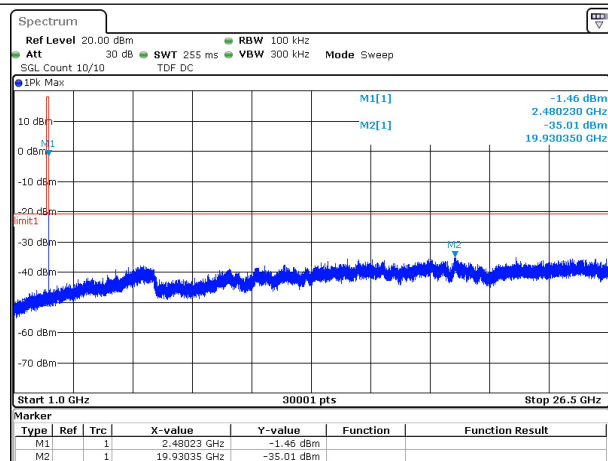
NTNV\_BLE\_2480\_1Mbps



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## Appendix G: Duty Cycle

### Test Result

| NO. | Test Condition | Test Mode | Freq (MHz) | Rate  | Antenna | T_On (ms) | Period (ms) | Duty Cycle Correction Factor (dB) | Max DC Variation (%) |
|-----|----------------|-----------|------------|-------|---------|-----------|-------------|-----------------------------------|----------------------|
| 1   | NTNV           | BLE       | 2402       | 1Mbps | ANT1    | 2.14      | 2.50        | 0.86                              | 85.55                |
| 2   | NTNV           | BLE       | 2440       | 1Mbps | ANT1    | 2.14      | 2.50        | 0.86                              | 85.55                |
| 3   | NTNV           | BLE       | 2480       | 1Mbps | ANT1    | 2.14      | 2.50        | 0.86                              | 85.55                |

Test Graphs

