

Appendix C: Test Data for WCDMA Band 5

Product Name: TT1001 10.1 inch Tablet

Test Model: TT1001V2

C1. Effective (Isotropic) Radiated Power Output Data

C1.1 Test Result

| Test Band: 5 | | | | | | | | | | | |
|---|--------------|-----------------------|-------|-------|--------------|-------|----------|-------|-------|-------------|---------|
| Test Mode | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| RMC | 12.2kbps RMC | 22.40 | 22.35 | 22.33 | -1.15 | 1.00 | 21.25 | 21.20 | 21.18 | 38.45 | PASS |
| Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd) | | | | | | | | | | | |

C2. Frequency stability

C2.1 Test Result

| Test Band: 5 (Frequency Error VS. Voltage) | | | | | | | | | | |
|--|------------|------------|------------------|---------|---------|-----------------------|---------|---------|-------------|---------|
| Test Mode | Test Temp. | Test Volt. | Freq. Error (Hz) | | | Freq. vs. rated (ppm) | | | Limit (ppm) | Verdict |
| | | | LCH | MCH | HCH | LCH | MCH | HCH | | |
| RMC | NT | LV | 3.3689 | -0.5150 | -3.9268 | 0.0041 | -0.0006 | -0.0046 | 2.50 | PASS |
| | | NV | 3.1328 | 0.1645 | -3.2544 | 0.0038 | 0.0002 | -0.0038 | 2.50 | PASS |
| | | HV | 3.5334 | 0.1860 | -3.6621 | 0.0043 | 0.0002 | -0.0043 | 2.50 | PASS |

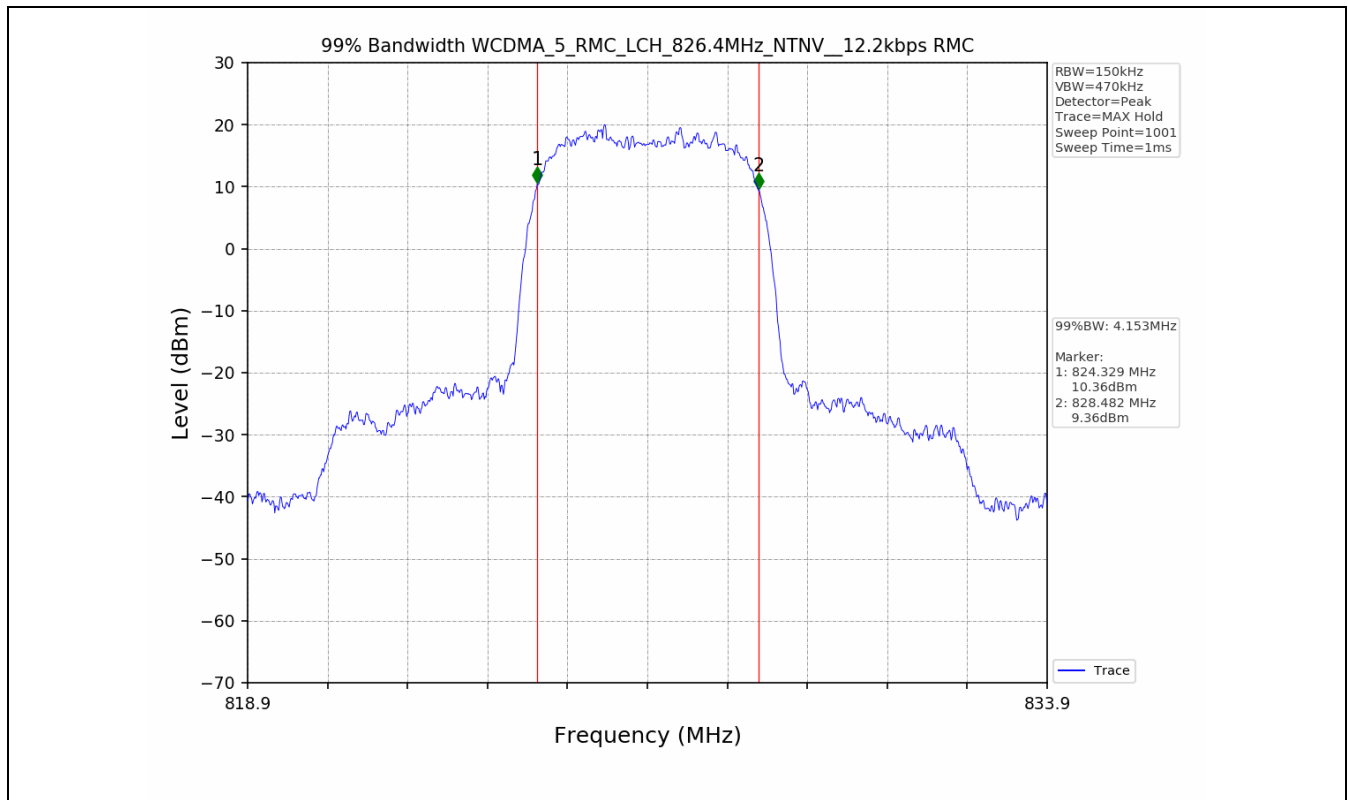
| Test Band: 5 (Frequency Error VS. Temperature) | | | | | | | | | | |
|--|------------|------------|------------------|---------|---------|-----------------------|---------|---------|-------------|---------|
| Test Mode | Test Volt. | Test Temp. | Freq. Error (Hz) | | | Freq. vs. rated (ppm) | | | Limit (ppm) | Verdict |
| | | | LCH | MCH | HCH | LCH | MCH | HCH | | |
| RMC | NV | -30.00 | 3.2115 | 0.1001 | -3.3617 | 0.0039 | 0.0001 | -0.0040 | 2.50 | PASS |
| | | -20.00 | 3.2830 | 0.0858 | -3.5691 | 0.0040 | 0.0001 | -0.0042 | 2.50 | PASS |
| | | -10.00 | 3.4332 | -0.2933 | -3.0971 | 0.0042 | -0.0004 | -0.0037 | 2.50 | PASS |
| | | 0.00 | 3.4118 | -0.1073 | -3.6049 | 0.0041 | -0.0001 | -0.0043 | 2.50 | PASS |
| | | 10.00 | 4.0627 | 0.2432 | -3.4547 | 0.0049 | 0.0003 | -0.0041 | 2.50 | PASS |
| | | 20.00 | 3.6836 | -0.1359 | -3.7122 | 0.0045 | -0.0002 | -0.0044 | 2.50 | PASS |
| | | 30.00 | 3.5191 | -0.4077 | -3.4618 | 0.0043 | -0.0005 | -0.0041 | 2.50 | PASS |
| | | 40.00 | 3.4547 | -0.2217 | -3.1114 | 0.0042 | -0.0003 | -0.0037 | 2.50 | PASS |
| | | 50.00 | 3.5906 | 0.1645 | -3.4404 | 0.0043 | 0.0002 | -0.0041 | 2.50 | PASS |

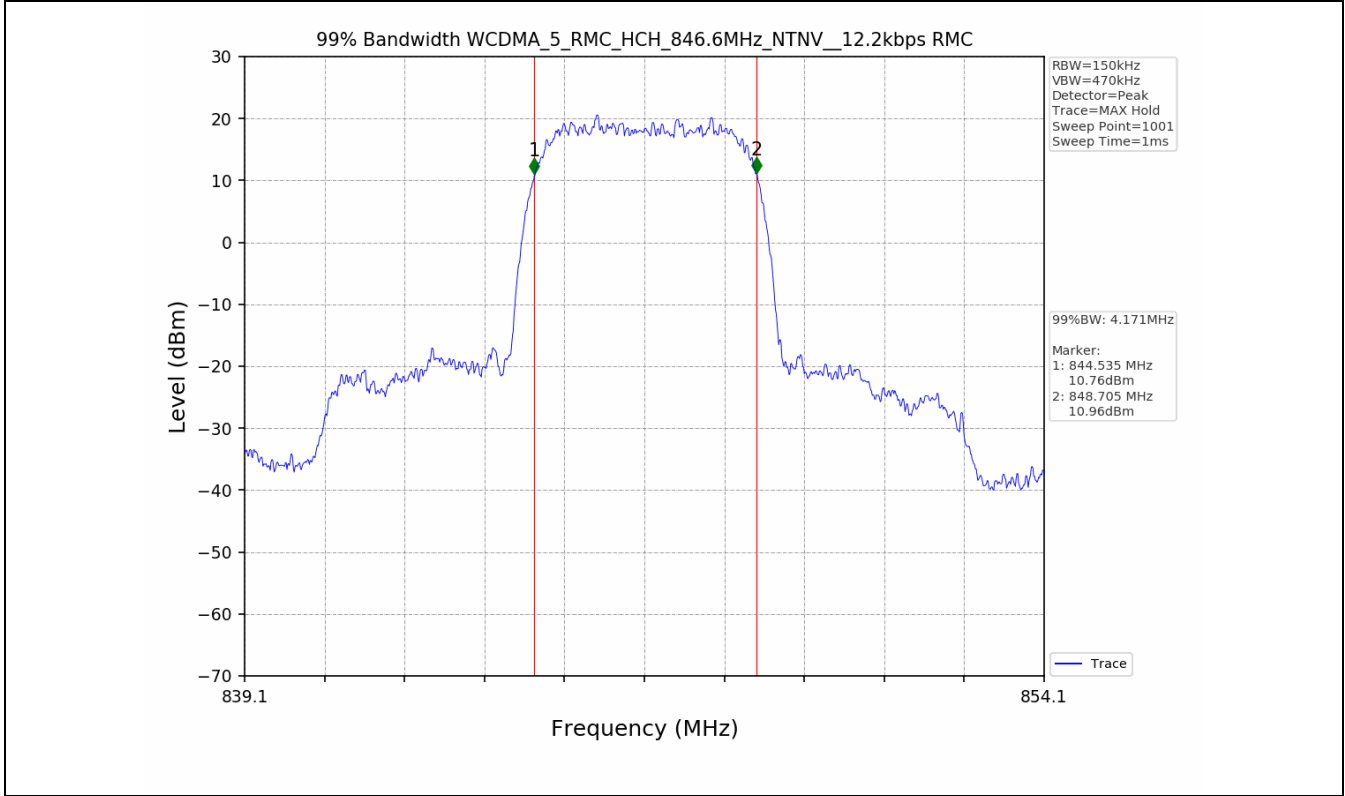
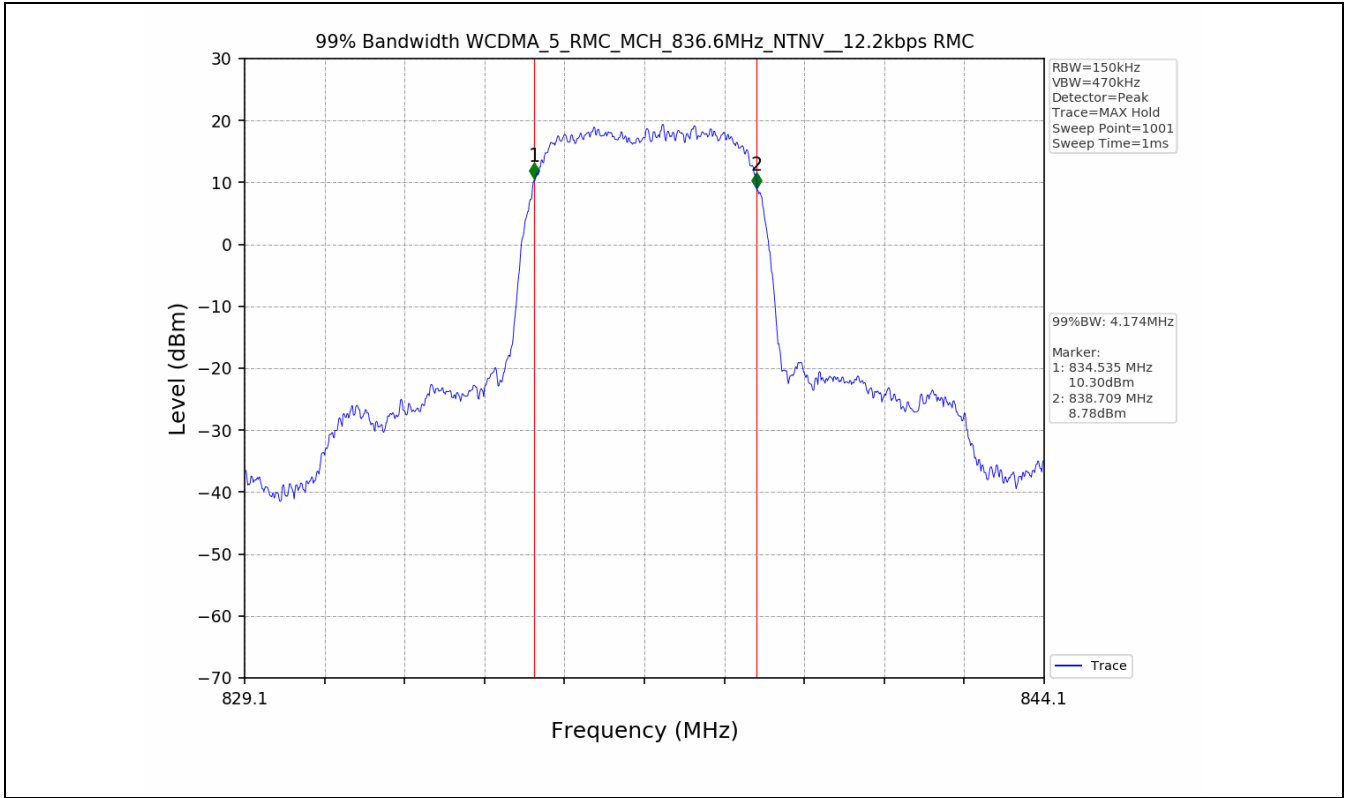
C3. 99% & 26dB Bandwidth

C3.1 Test Result

| Test Band: 5 | | | | | |
|--------------|------------------------------|-------|-------|-------|---------|
| Test Mode | 99% Occupied Bandwidth (MHz) | | | Limit | Verdict |
| | LCH | MCH | HCH | | |
| RMC | 4.153 | 4.174 | 4.171 | N/A | PASS |

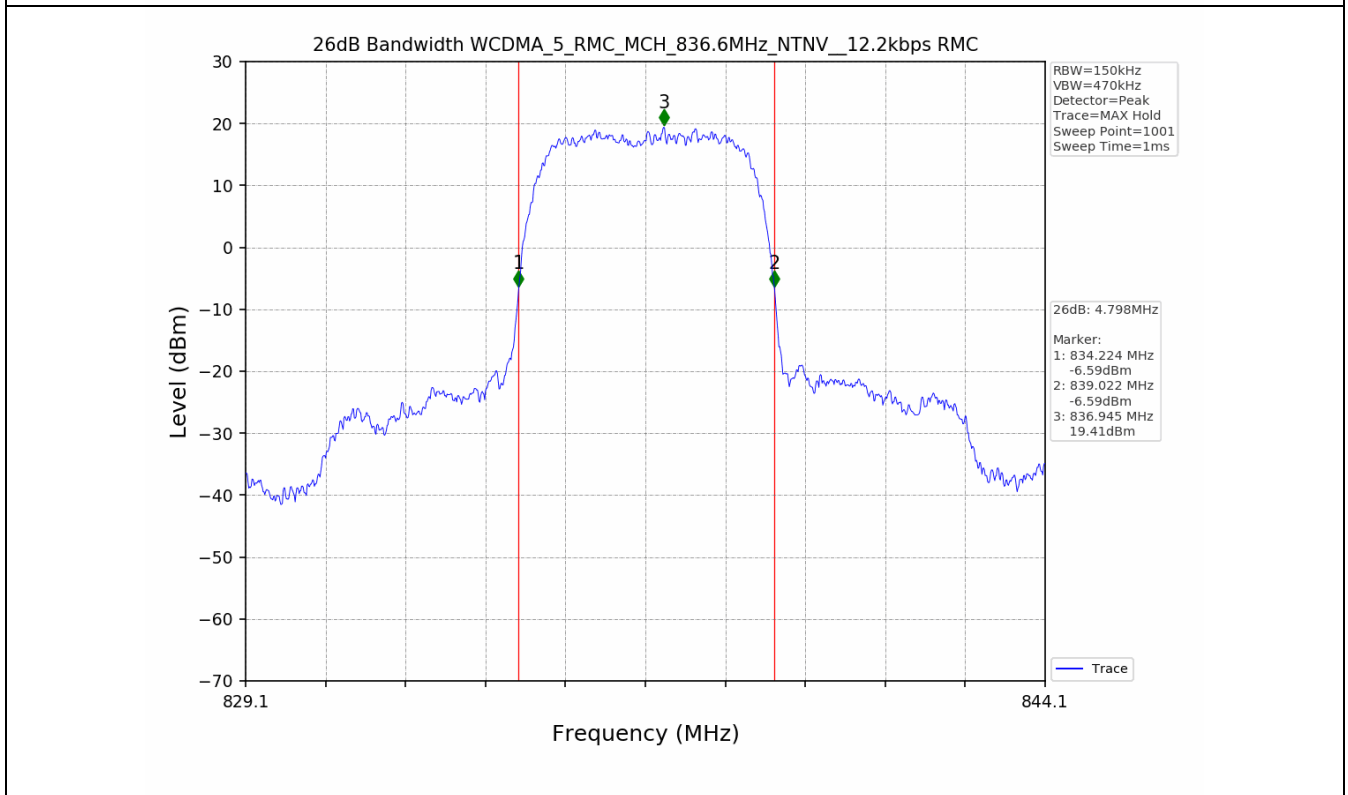
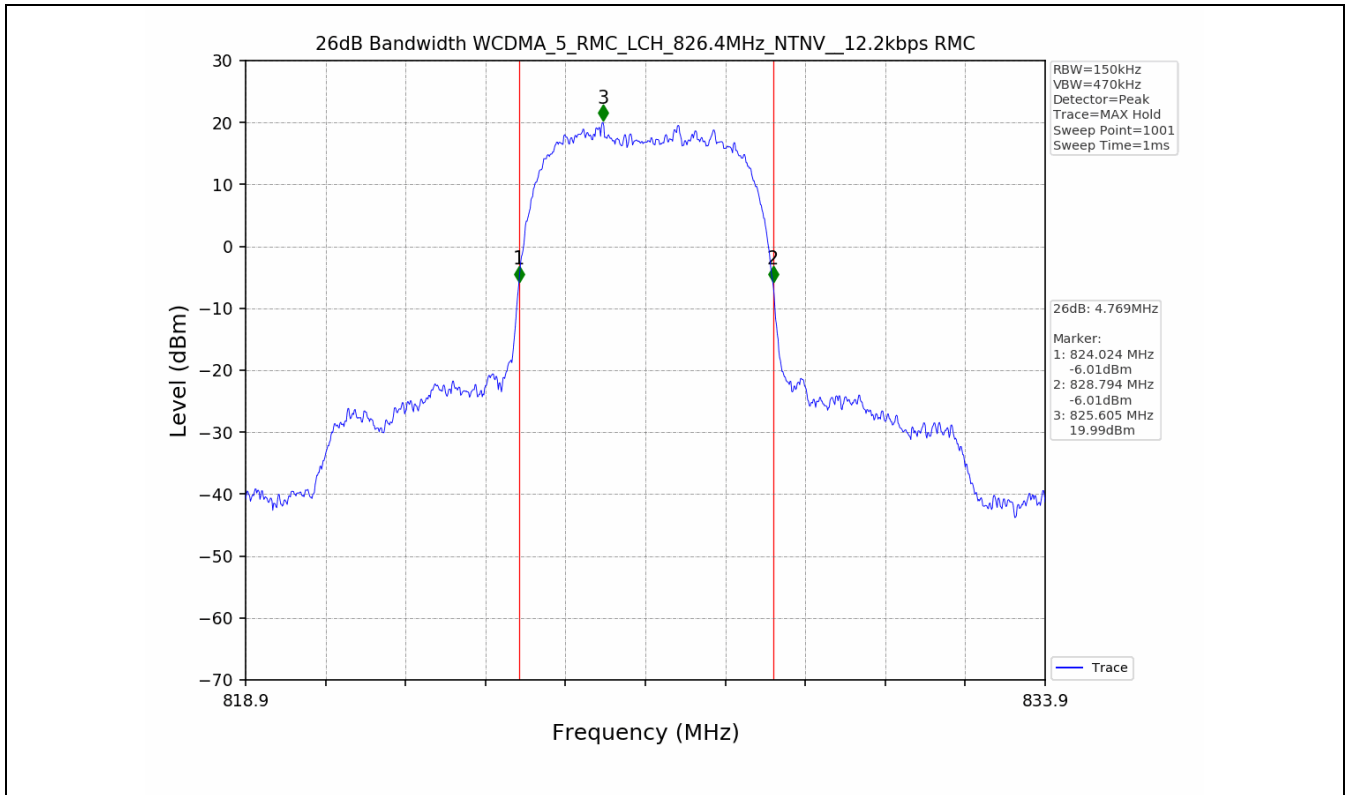
C3.2 Test Graph

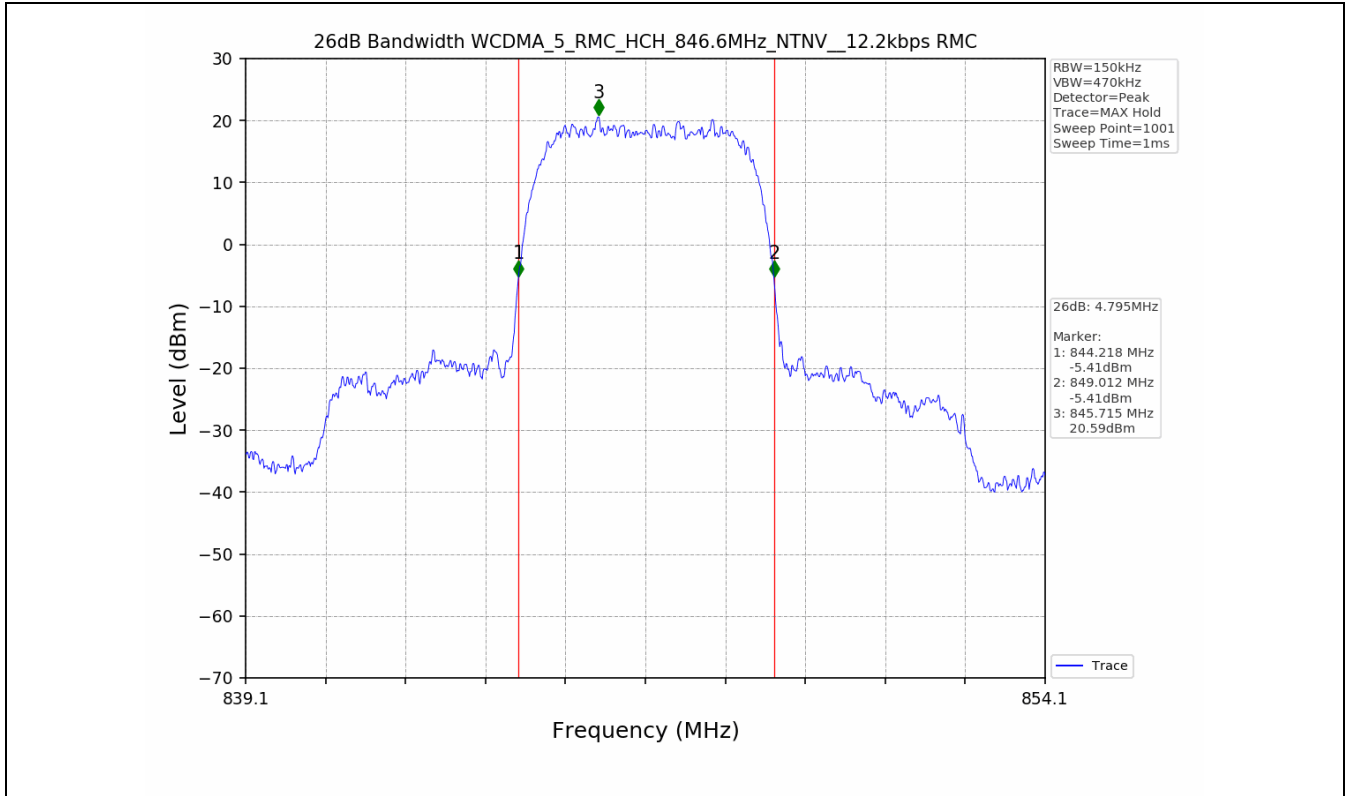




| Test Band: 5 | | | |
|--------------|----------------------|-------|---------|
| Test Mode | 26dB Bandwidth (MHz) | Limit | Verdict |

| | | | | | |
|-----|-------|-------|-------|-----|------|
| | LCH | MCH | HCH | | |
| RMC | 4.769 | 4.798 | 4.795 | N/A | PASS |



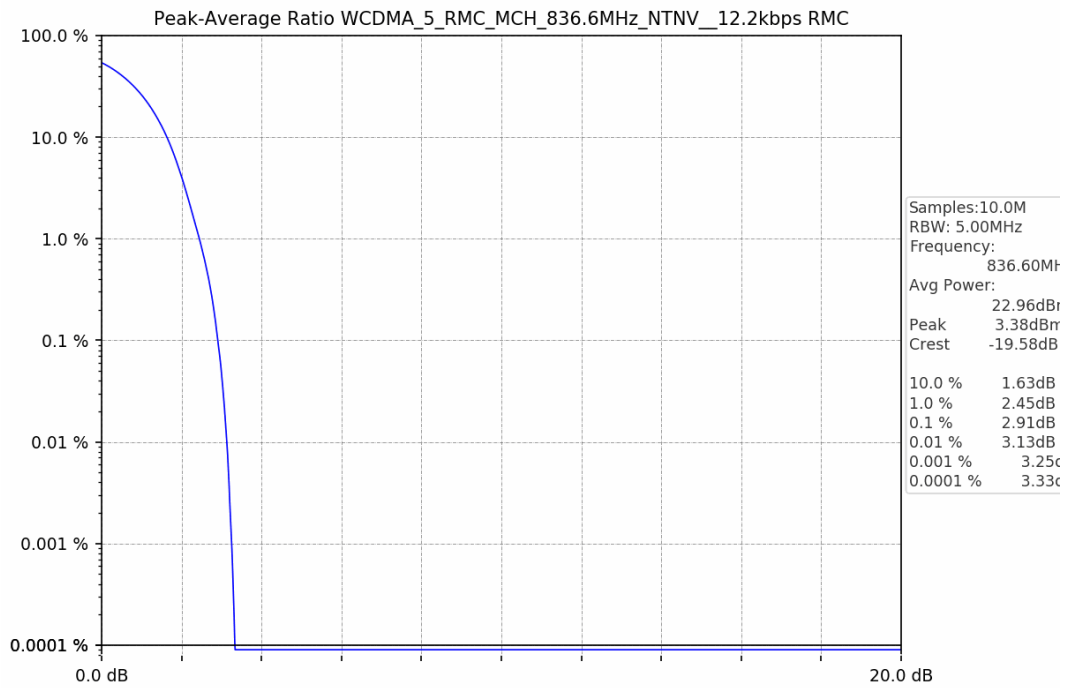
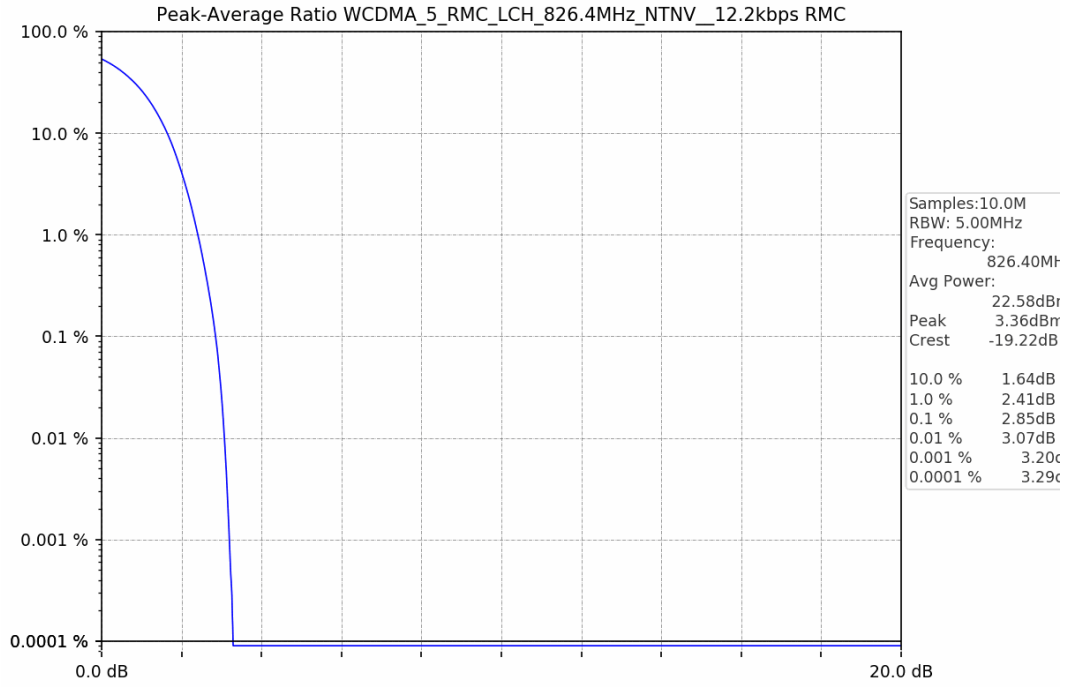


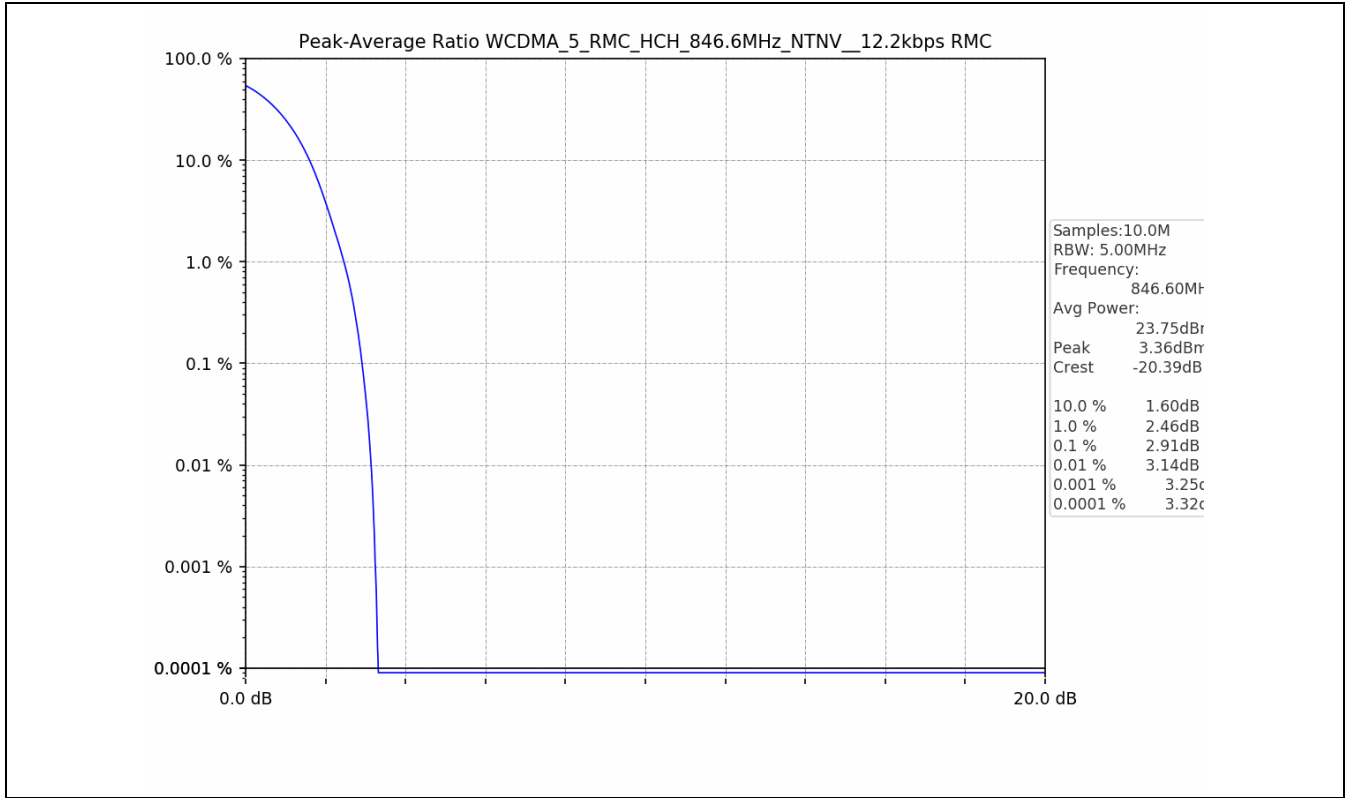
C4. Peak-Average Ratio

C4.1 Test Result

| Test Band: 5 | | | | | |
|--------------|------------------|------|------|------------|---------|
| Test Mode | Test result (dB) | | | Limit (dB) | Verdict |
| | LCH | MCH | HCH | | |
| RMC | 2.85 | 2.91 | 2.91 | 13 | PASS |

C4.2 Test Graph





C5. Spurious Emission

C5.1 Test Graph

