# Appendix for GSM

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|---|---|
| Report No.: | BCTC2502904596-5E |
| Applicant: | SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD |
| Product Name: | Smart Phone |
| Test Model: | C1 |
| Tested Date: | 2025-02-21 to 2025-03-21 |

**Shenzhen BCTC Testing Co., Ltd.**

# Contents

## 01 Conducted output power

| Condition | Band | Channel | Frequency (MHz) | Power (dBm) | Verdict |
|---|---|---|---|---|---|
| NVNT | GSM850 | 128 | 824.2 | 33.13 | PASS |
| NVNT | GSM850 | 190 | 836.6 | 33.11 | PASS |
| NVNT | GSM850 | 251 | 848.8 | 33.18 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | 29.96 | PASS |
| NVNT | GSM1900 | 661 | 1880 | 30.02 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | 29.99 | PASS |

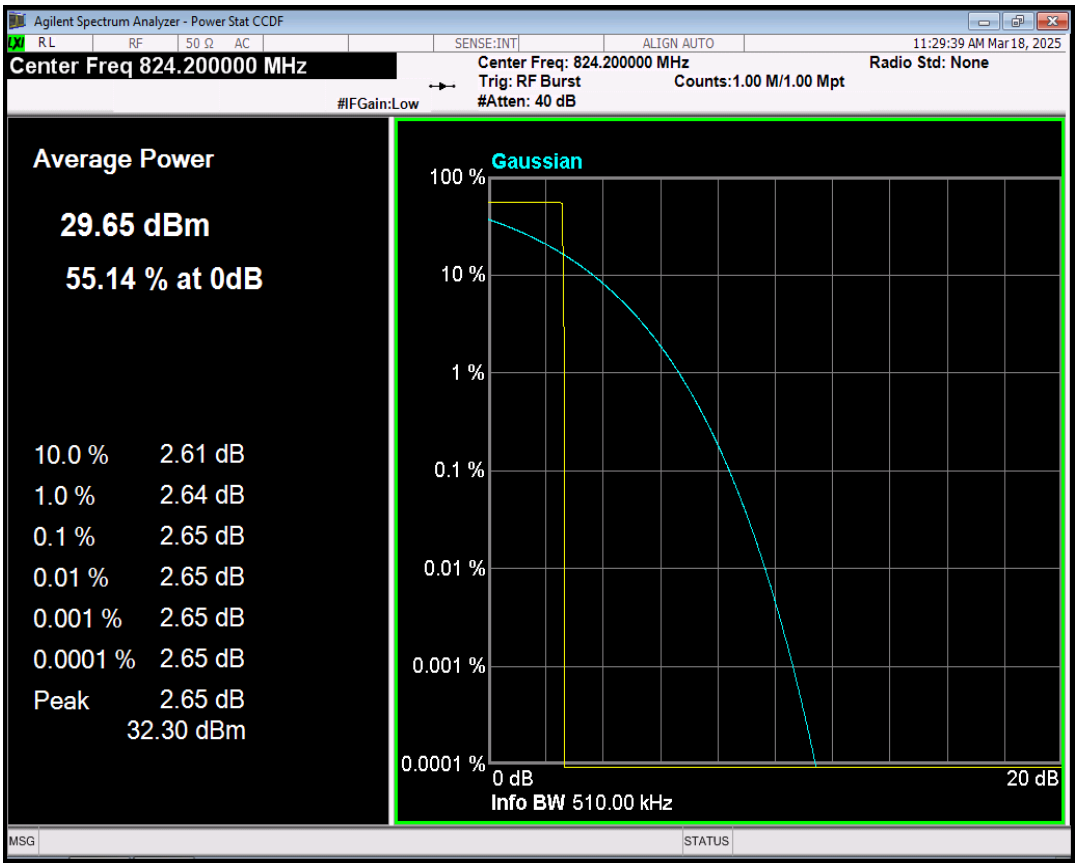
## 02 Frequency stability

| Condition | Band | Channel | Frequency (MHz) | Voltage (Vdc) | Temperatue (C) | Result (Hz) | Result (ppm) | Low Limit (ppm) | high Limit (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | GSM850 | 128 | 824.2 | LV | NT | 14.95 | 0.018 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 128 | 824.2 | NV | NT | 6.30 | 0.008 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 128 | 824.2 | HV | NT | 9.10 | 0.011 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 190 | 836.6 | LV | NT | 12.11 | 0.014 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 190 | 836.6 | NV | NT | 15.14 | 0.018 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 190 | 836.6 | HV | NT | 17.21 | 0.021 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 251 | 848.8 | LV | NT | 10.72 | 0.013 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 251 | 848.8 | NV | NT | 10.59 | 0.012 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 251 | 848.8 | HV | NT | 12.46 | 0.015 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | LV | NT | 11.33 | 0.006 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | NV | NT | 24.73 | 0.013 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | HV | NT | 23.89 | 0.013 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 661 | 1880 | LV | NT | 4.75 | 0.003 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 661 | 1880 | NV | NT | 30.12 | 0.016 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 661 | 1880 | HV | NT | 17.72 | 0.009 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | LV | NT | 8.56 | 0.004 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | NV | NT | 15.24 | 0.008 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | HV | NT | 20.70 | 0.011 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 128 | 824.2 | NV | -30 | 7.52 | 0.009 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 128 | 824.2 | NV | -20 | 11.14 | 0.014 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 128 | 824.2 | NV | 0 | 13.04 | 0.016 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 128 | 824.2 | NV | 10 | 7.07 | 0.009 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 128 | 824.2 | NV | 20 | 5.88 | 0.007 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 128 | 824.2 | NV | 30 | 5.88 | 0.007 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 128 | 824.2 | NV | 40 | 9.36 | 0.011 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 128 | 824.2 | NV | 50 | 11.17 | 0.014 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 190 | 836.6 | NV | -30 | 13.14 | 0.016 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 190 | 836.6 | NV | -20 | 4.75 | 0.006 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 190 | 836.6 | NV | 0 | 3.55 | 0.004 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 190 | 836.6 | NV | 10 | 8.10 | 0.010 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 190 | 836.6 | NV | 20 | 7.14 | 0.009 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 190 | 836.6 | NV | 30 | 6.46 | 0.008 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 190 | 836.6 | NV | 40 | 6.39 | 0.008 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 190 | 836.6 | NV | 50 | 9.52 | 0.011 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 251 | 848.8 | NV | -30 | 2.42 | 0.003 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 251 | 848.8 | NV | -20 | 17.63 | 0.021 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 251 | 848.8 | NV | 0 | 5.33 | 0.006 | -2.5 | 2.5 | PASS |

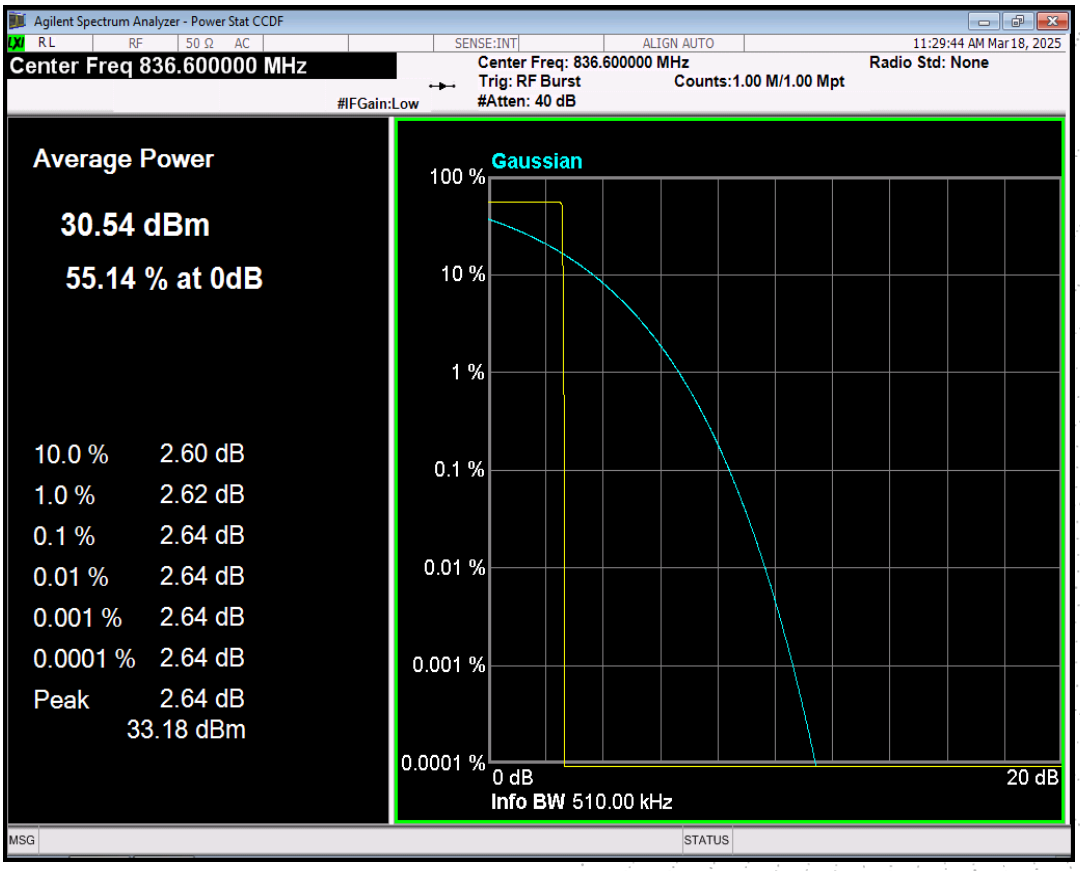
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | GSM850 | 251 | 848.8 | NV | 10 | 9.91 | 0.012 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 251 | 848.8 | NV | 20 | 11.11 | 0.013 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 251 | 848.8 | NV | 30 | 4.07 | 0.005 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 251 | 848.8 | NV | 40 | 5.68 | 0.007 | -2.5 | 2.5 | PASS |
| NVNT | GSM850 | 251 | 848.8 | NV | 50 | 16.43 | 0.019 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | NV | -30 | -0.58 | 0.000 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | NV | -20 | 8.30 | 0.004 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | NV | 0 | 14.69 | 0.008 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | NV | 10 | 12.59 | 0.007 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | NV | 20 | 6.23 | 0.003 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | NV | 30 | 27.83 | 0.015 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | NV | 40 | 20.47 | 0.011 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | NV | 50 | 2.49 | 0.001 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 661 | 1880 | NV | -30 | 12.85 | 0.007 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 661 | 1880 | NV | -20 | 15.56 | 0.008 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 661 | 1880 | NV | 0 | 17.21 | 0.009 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 661 | 1880 | NV | 10 | 4.78 | 0.003 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 661 | 1880 | NV | 20 | -3.16 | -0.002 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 661 | 1880 | NV | 30 | 33.13 | 0.018 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 661 | 1880 | NV | 40 | 8.88 | 0.005 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 661 | 1880 | NV | 50 | 21.05 | 0.011 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | NV | -30 | 9.46 | 0.005 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | NV | -20 | 18.95 | 0.010 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | NV | 0 | 13.37 | 0.007 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | NV | 10 | 20.79 | 0.011 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | NV | 20 | 8.59 | 0.004 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | NV | 30 | 2.13 | 0.001 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | NV | 40 | 12.95 | 0.007 | -2.5 | 2.5 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | NV | 50 | 19.89 | 0.010 | -2.5 | 2.5 | PASS |

## 03 Peak-to-Average Ratio

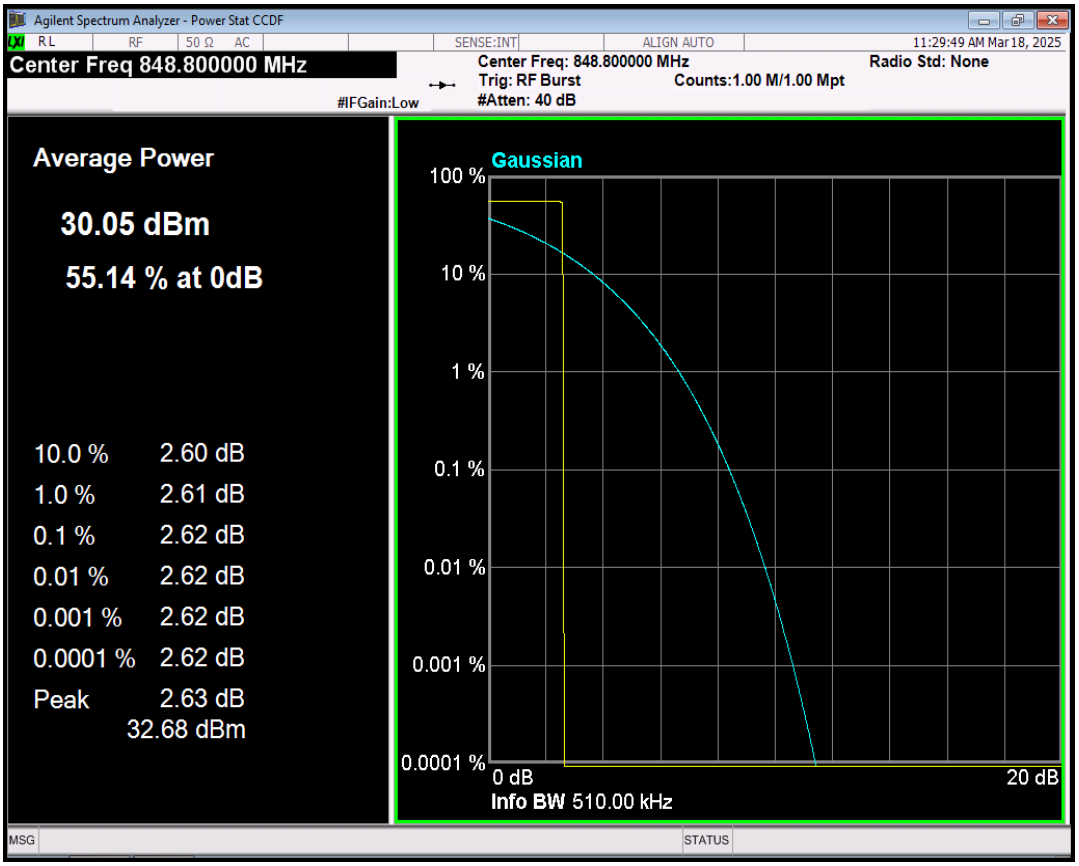
| Condition | Band | Channel | Frequency (MHz) | Result (dB) | high Limit (dB) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | GSM850 | 128 | 824.2 | 2.65 | 13 | PASS |
| NVNT | GSM850 | 190 | 836.6 | 2.64 | 13 | PASS |
| NVNT | GSM850 | 251 | 848.8 | 2.62 | 13 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | 2.68 | 13 | PASS |
| NVNT | GSM1900 | 661 | 1880 | 2.65 | 13 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | 2.64 | 13 | PASS |



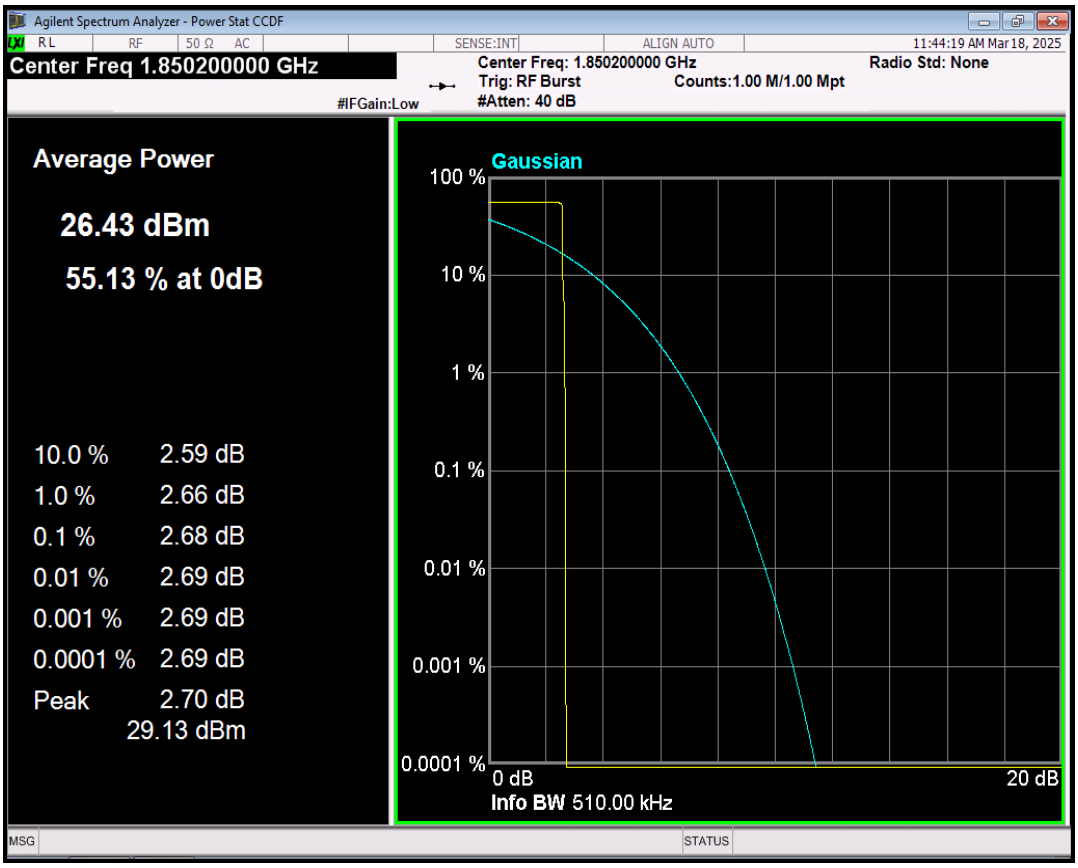

GSM850 Channel=128 NVNT



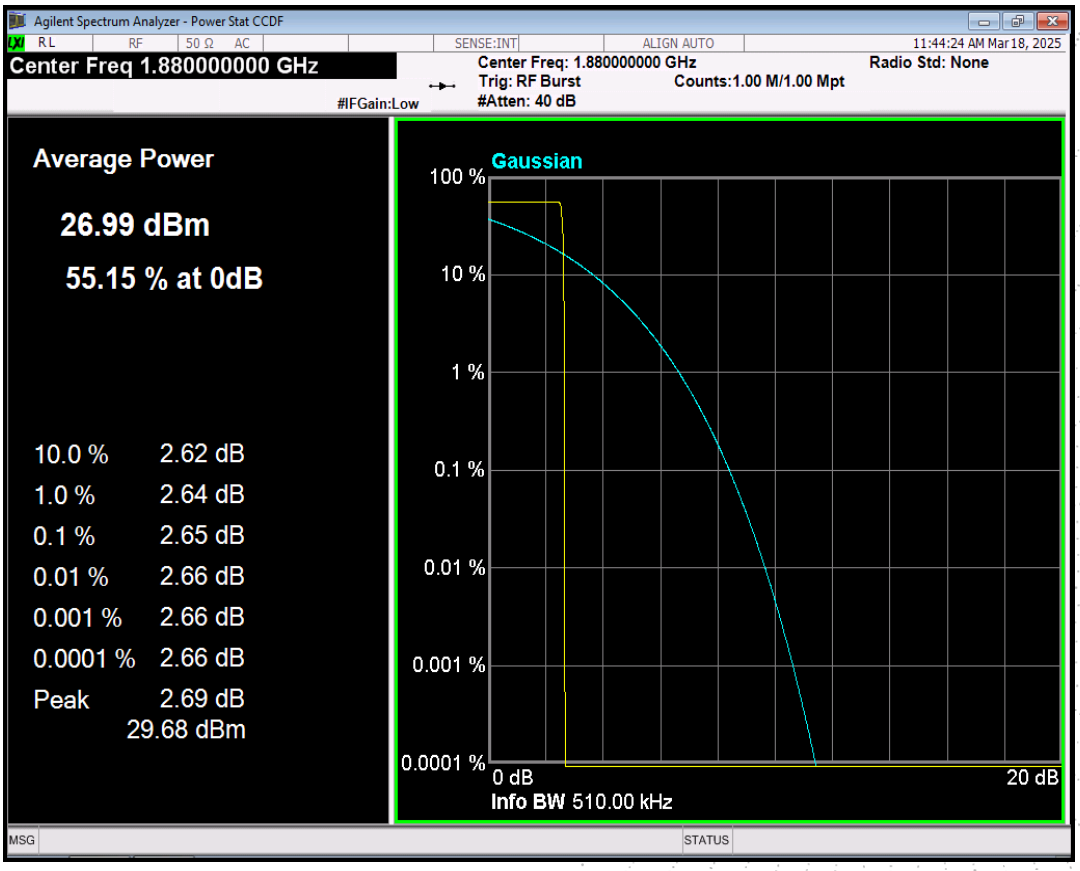
GSM850 Channel=190 NVNT



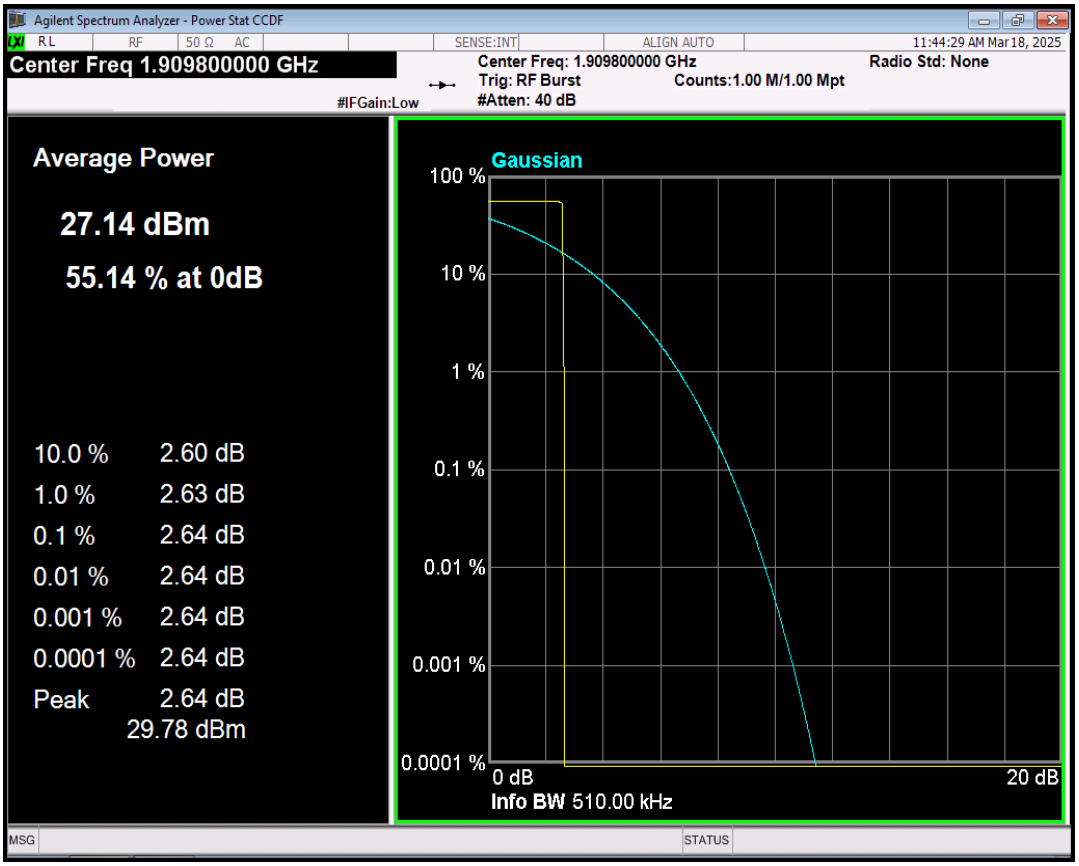

GSM850 Channel=251 NVNT




GSM1900 Channel=512 NVNT



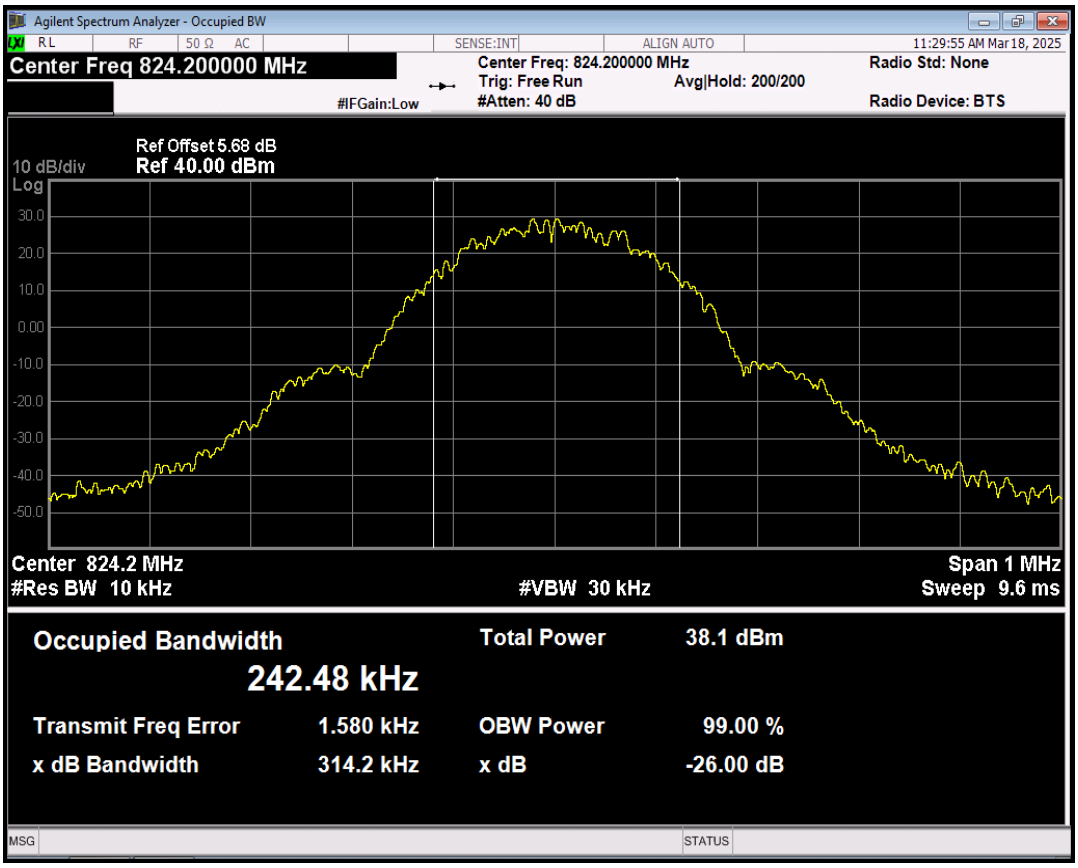
GSM1900 Channel=661 NVNT



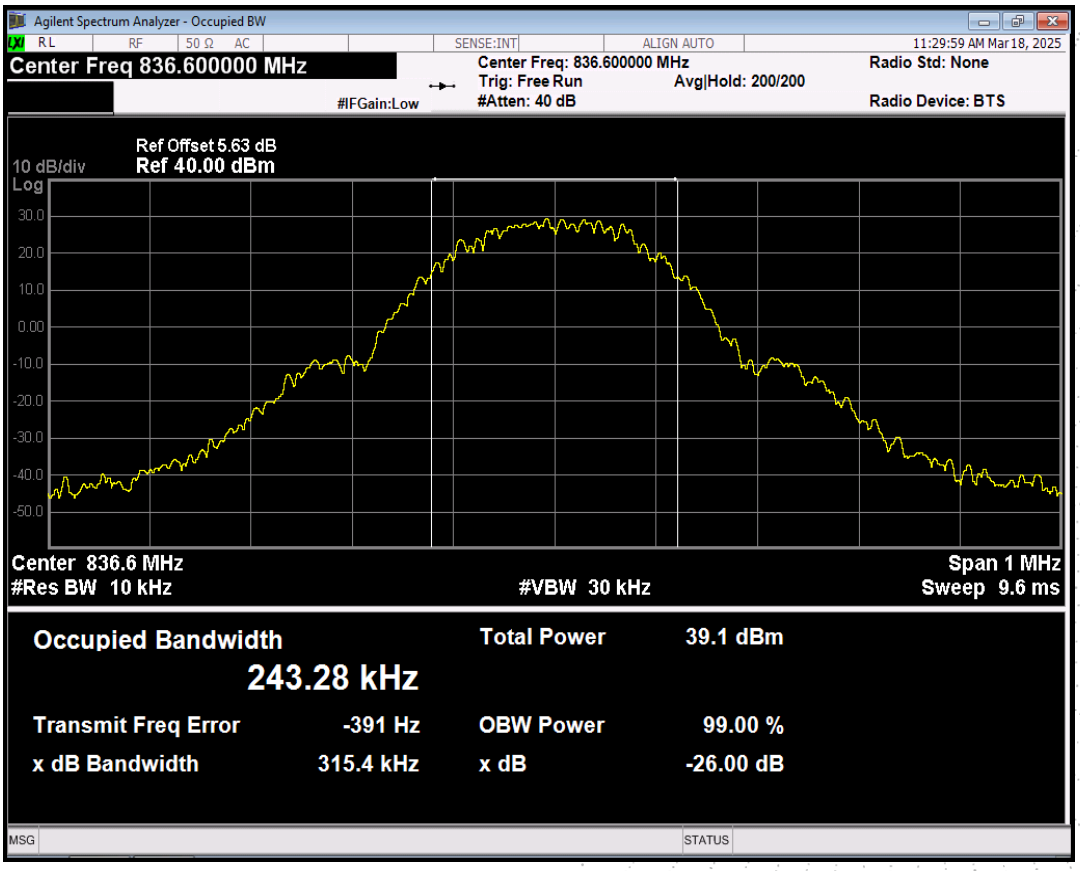

GSM1900 Channel=810 NVNT

## 04 Occupied bandwidth

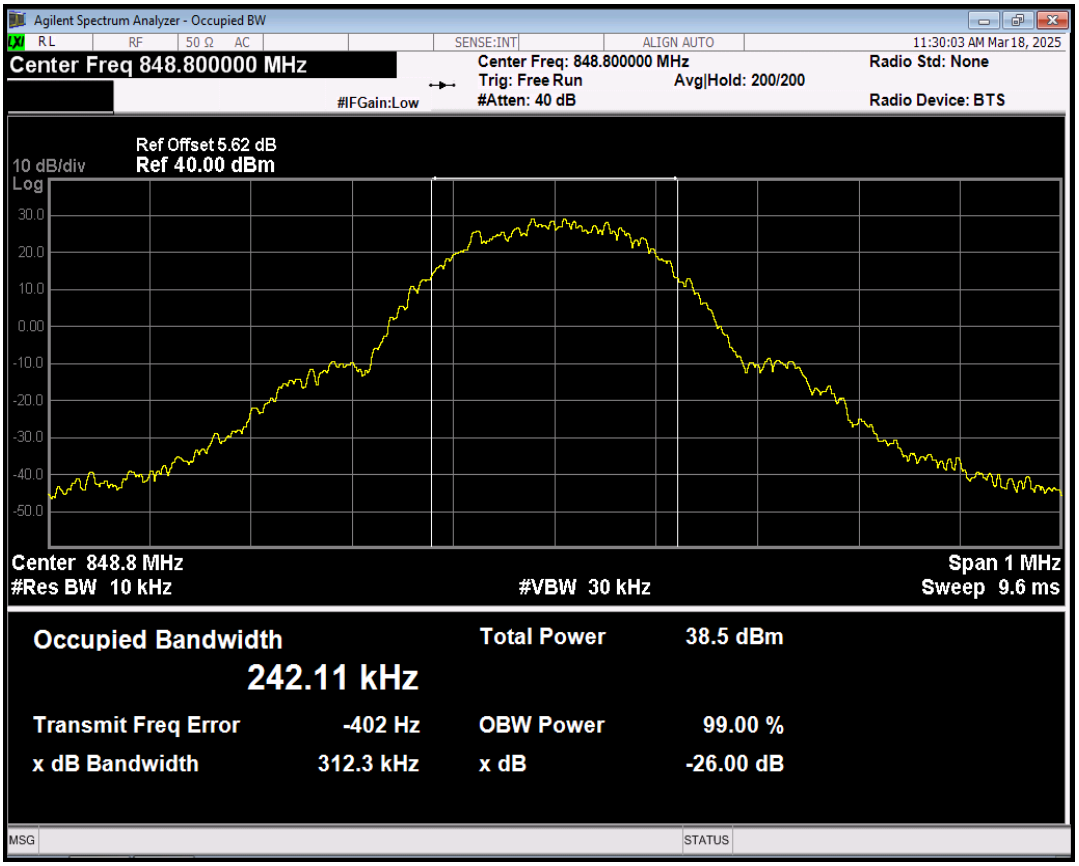
| Condition | Band | Channel | Frequency (MHz) | 99% OBW (kHz) | -26dB EBW (kHz) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | GSM850 | 128 | 824.2 | 242.485 | 314.206 | PASS |
| NVNT | GSM850 | 190 | 836.6 | 243.276 | 315.381 | PASS |
| NVNT | GSM850 | 251 | 848.8 | 242.109 | 312.252 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | 240.792 | 316.291 | PASS |
| NVNT | GSM1900 | 661 | 1880 | 242.667 | 318.265 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | 246.262 | 307.064 | PASS |



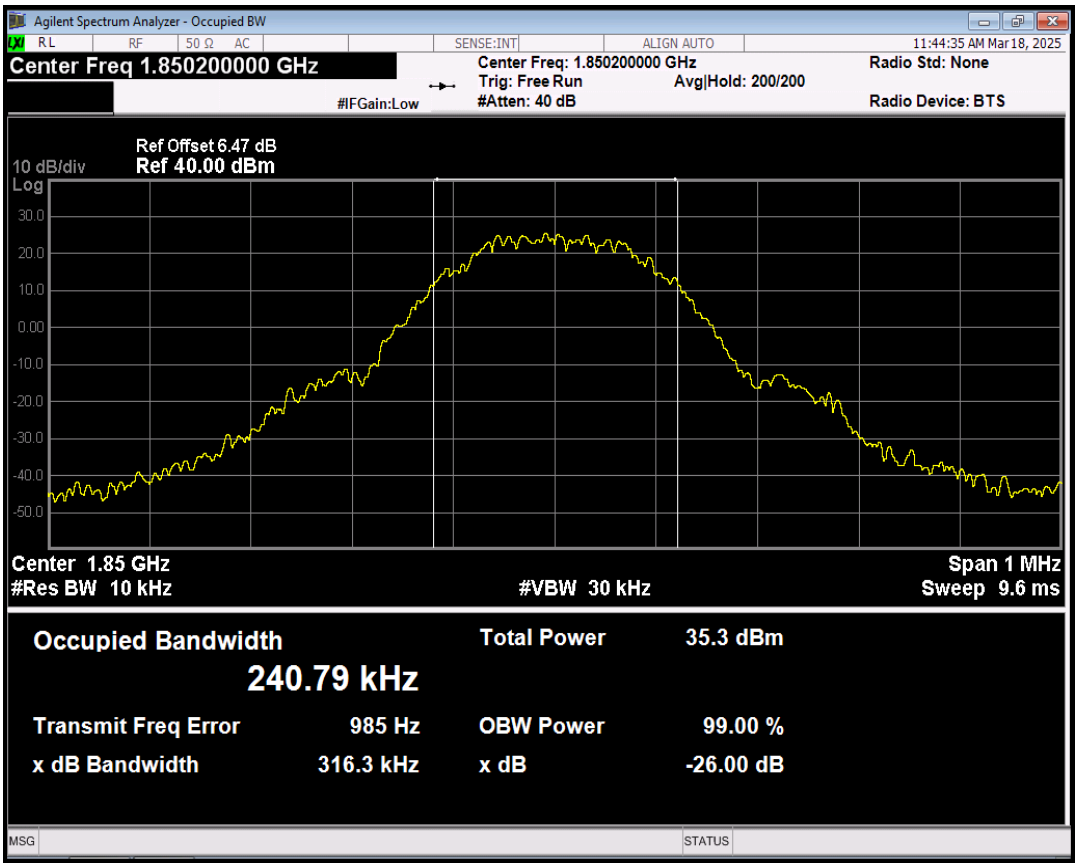

GSM850 Channel=128 NVNT



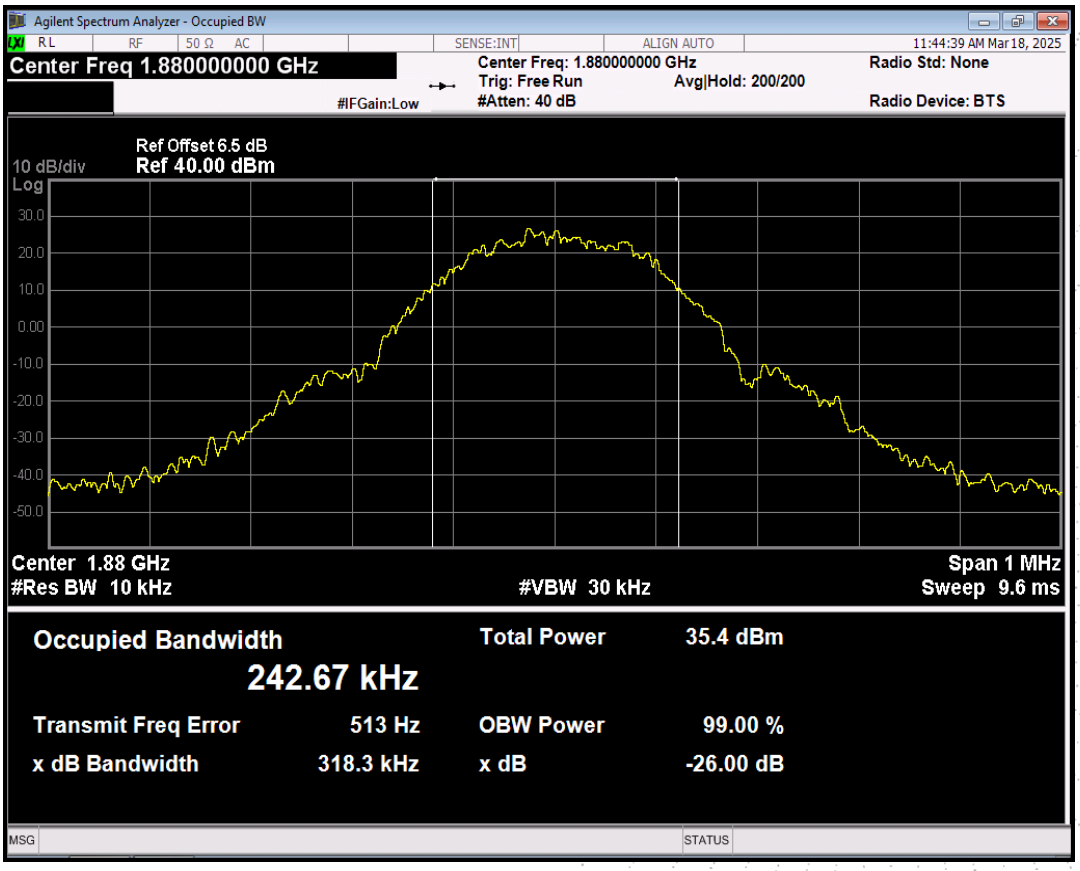
GSM850 Channel=190 NVNT



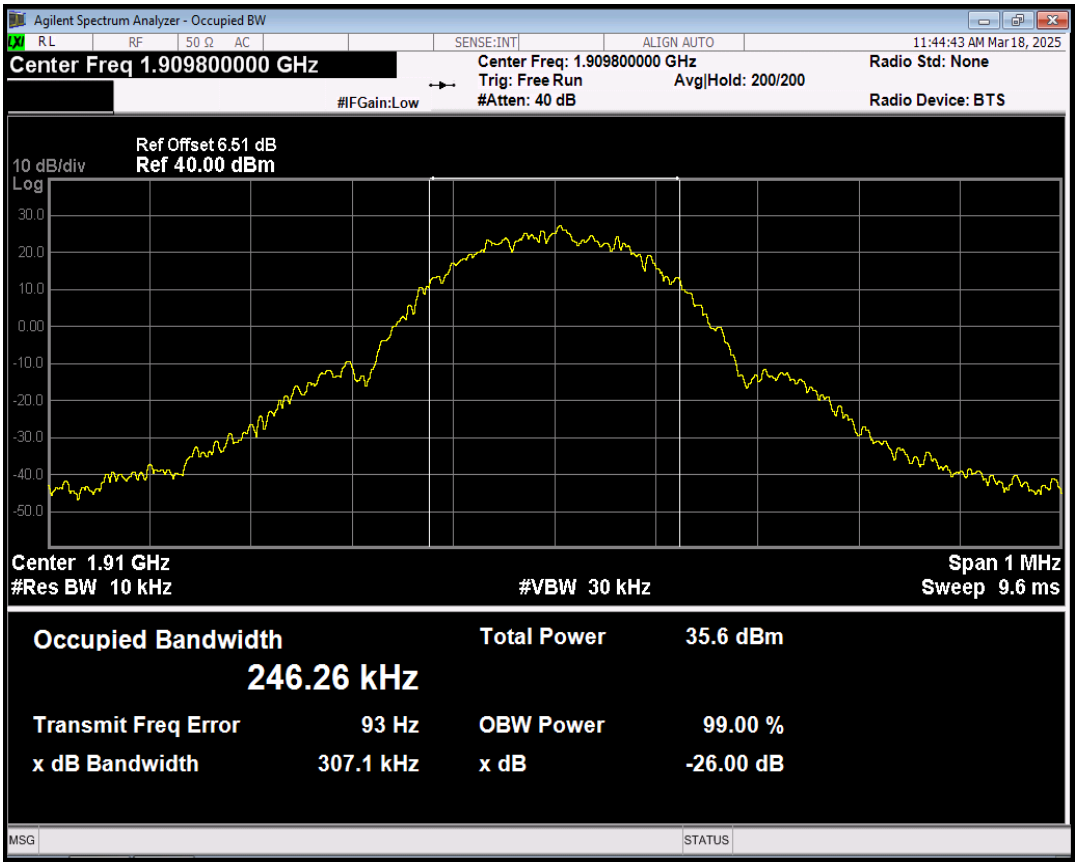

GSM850 Channel=251 NVNT




GSM1900 Channel=512 NVNT



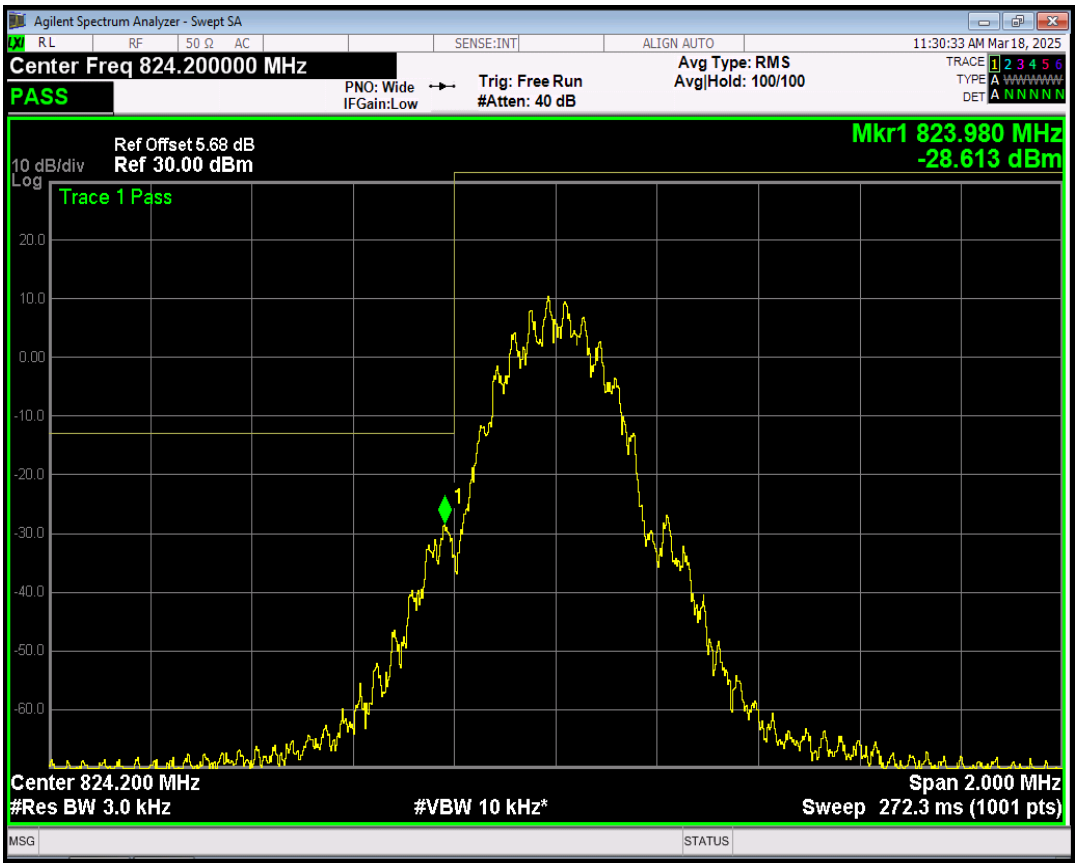
GSM1900 Channel=661 NVNT



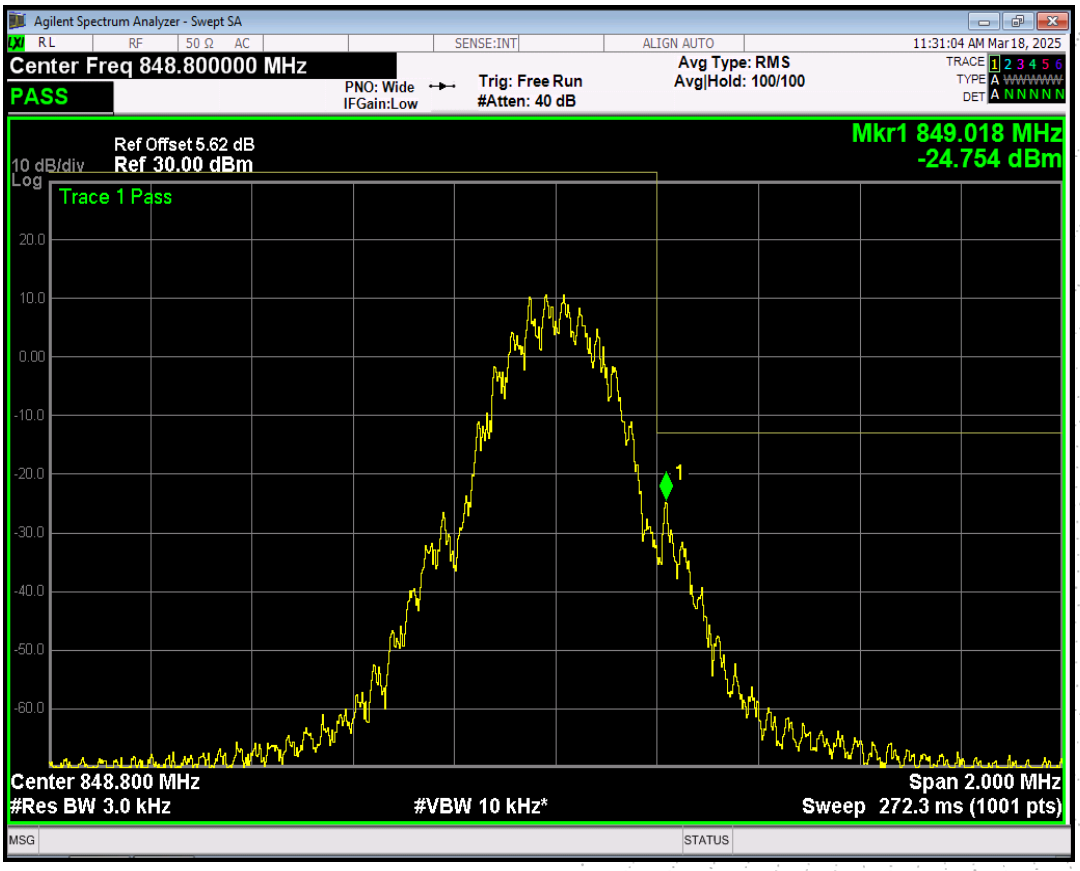

GSM1900 Channel=810 NVNT

## 05 Band edge

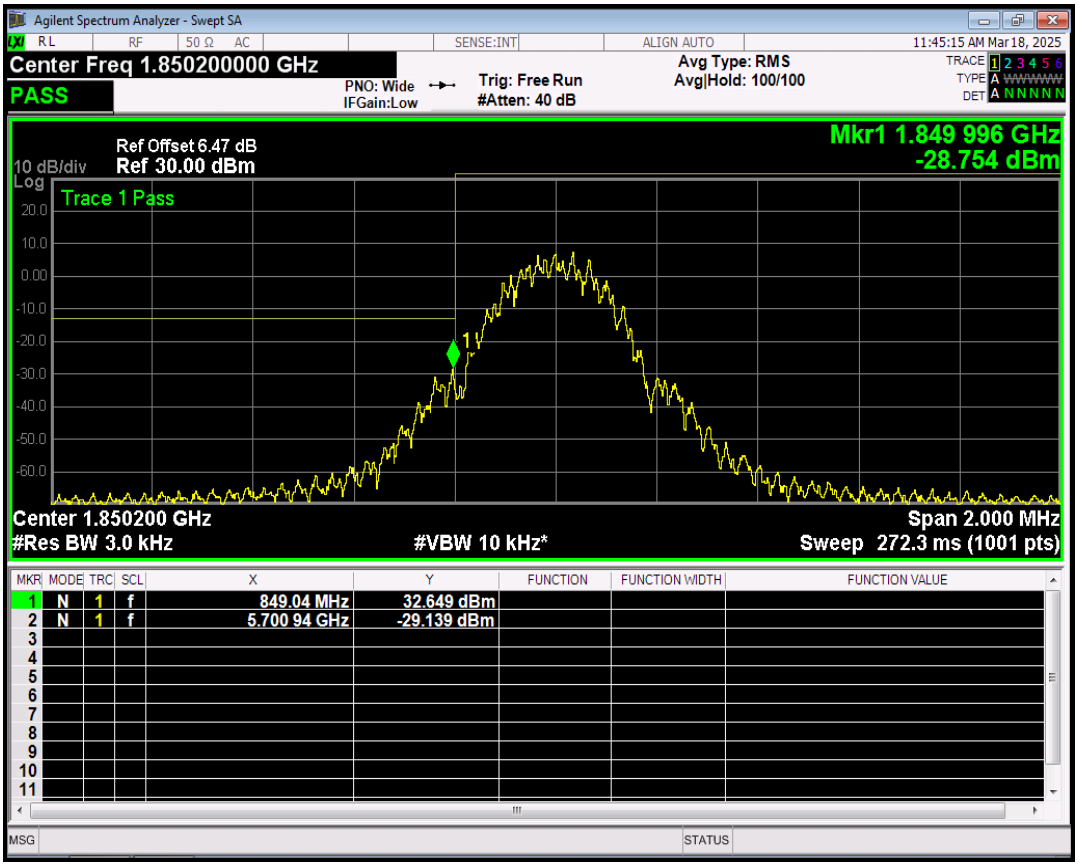
| Condition | Band | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | GSM850 | 128 | 824.2 | 823.98 | -28.61 | -13 | PASS |
| NVNT | GSM850 | 251 | 848.8 | 849.02 | -24.75 | -13 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | 1850.00 | -28.75 | -13 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | 1910.02 | -29.79 | -13 | PASS |



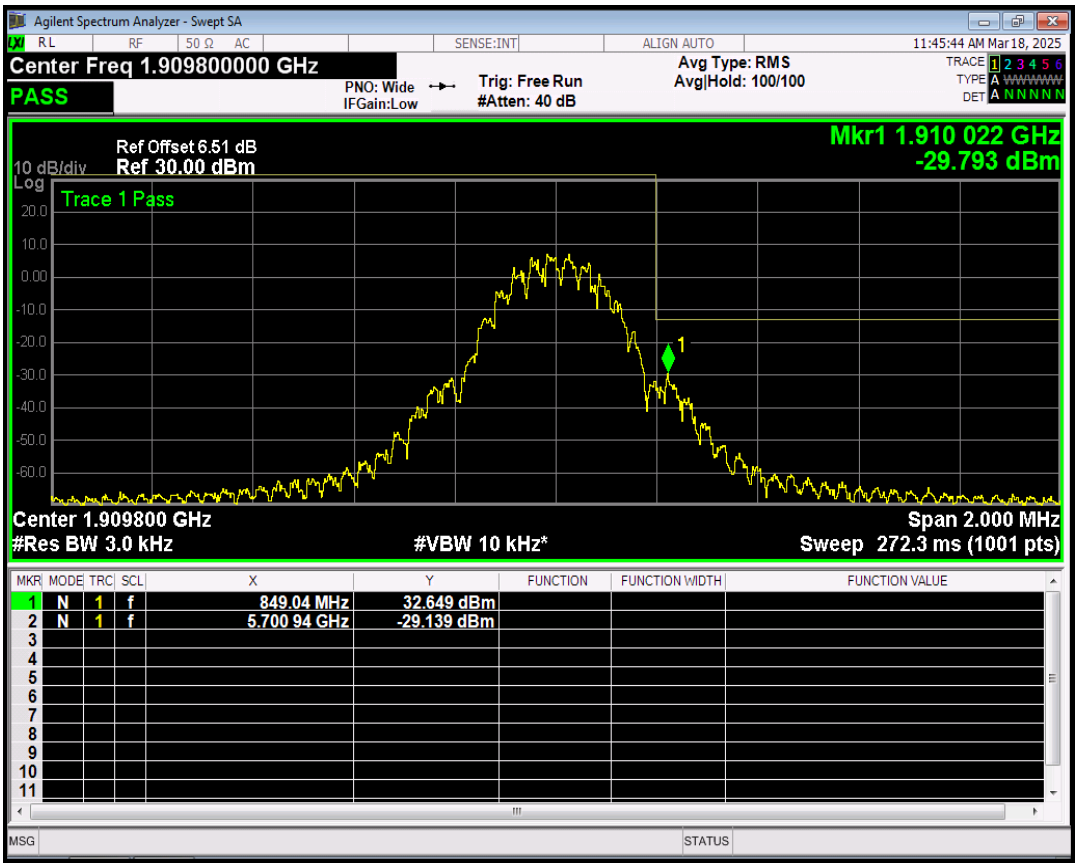

GSM850 Channel=128 NVNT



GSM850 Channel=251 NVNT



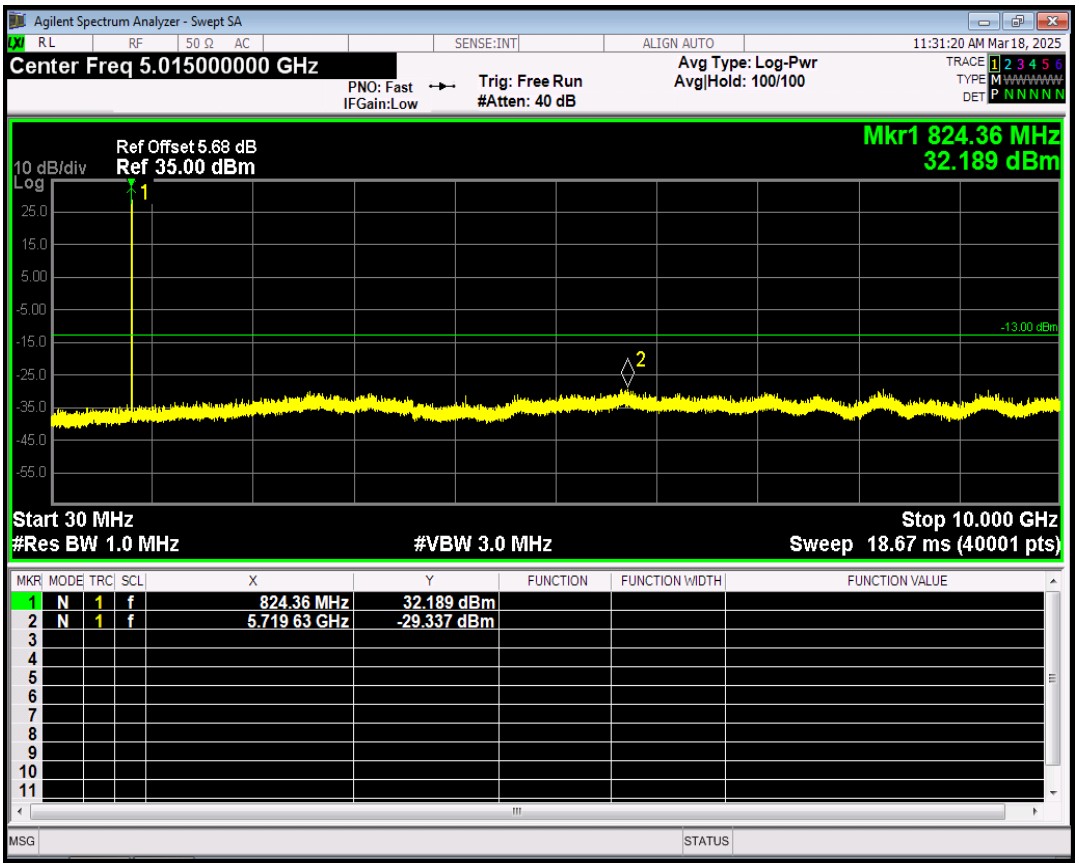

GSM1900 Channel=512 NVNT



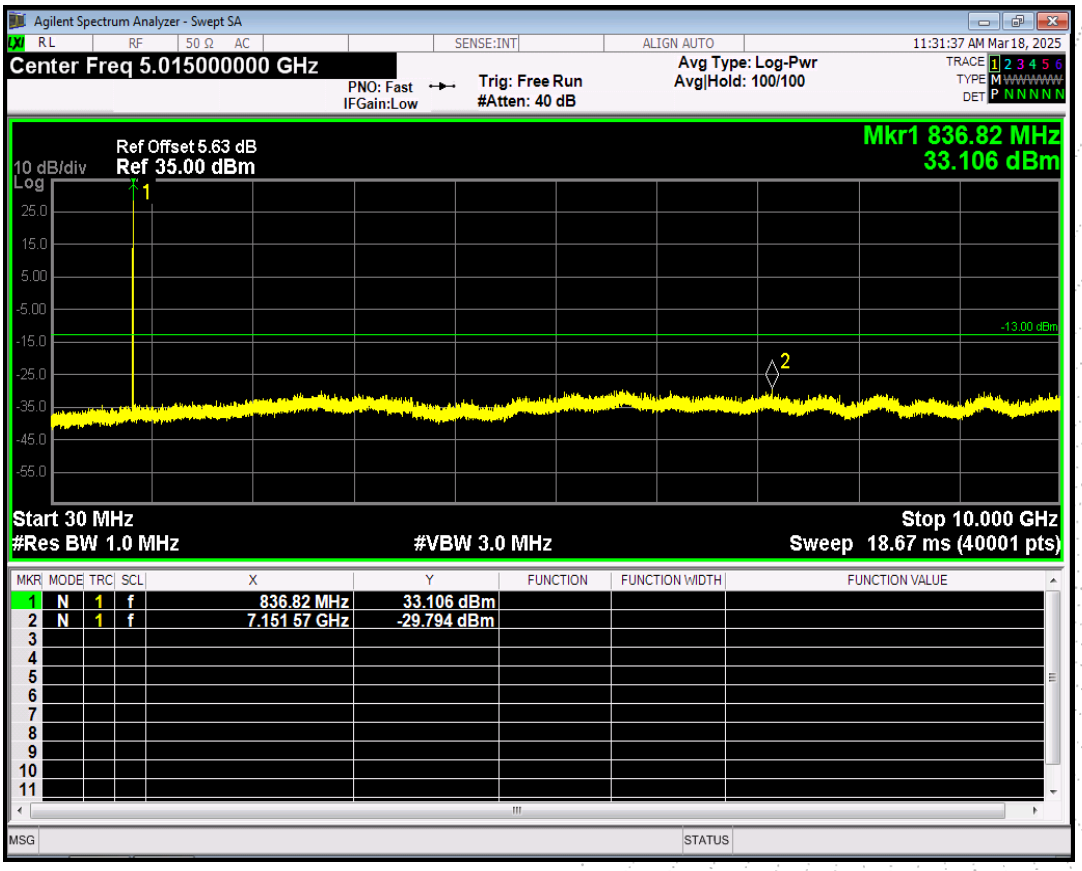

GSM1900 Channel=810 NVNT

## 06 Out-of-band emissions

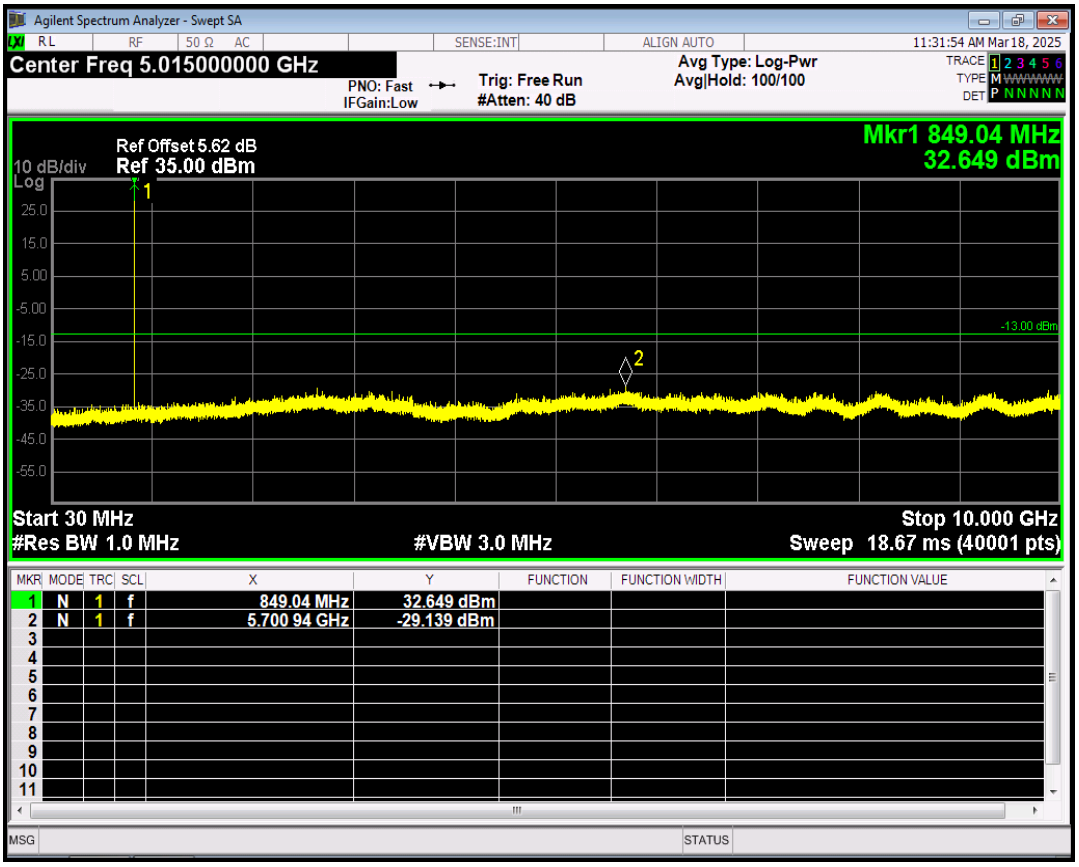
| Condition | Band | Channel | Frequency (MHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | GSM850 | 128 | 824.2 | 5719.63 | -29.33 | -13 | PASS |
| NVNT | GSM850 | 190 | 836.6 | 7151.57 | -29.79 | -13 | PASS |
| NVNT | GSM850 | 251 | 848.8 | 5700.94 | -29.13 | -13 | PASS |
| NVNT | GSM1900 | 512 | 1850.2 | 19357.47 | -23.81 | -13 | PASS |
| NVNT | GSM1900 | 661 | 1880 | 19361.46 | -24.47 | -13 | PASS |
| NVNT | GSM1900 | 810 | 1909.8 | 15302.56 | -23.89 | -13 | PASS |



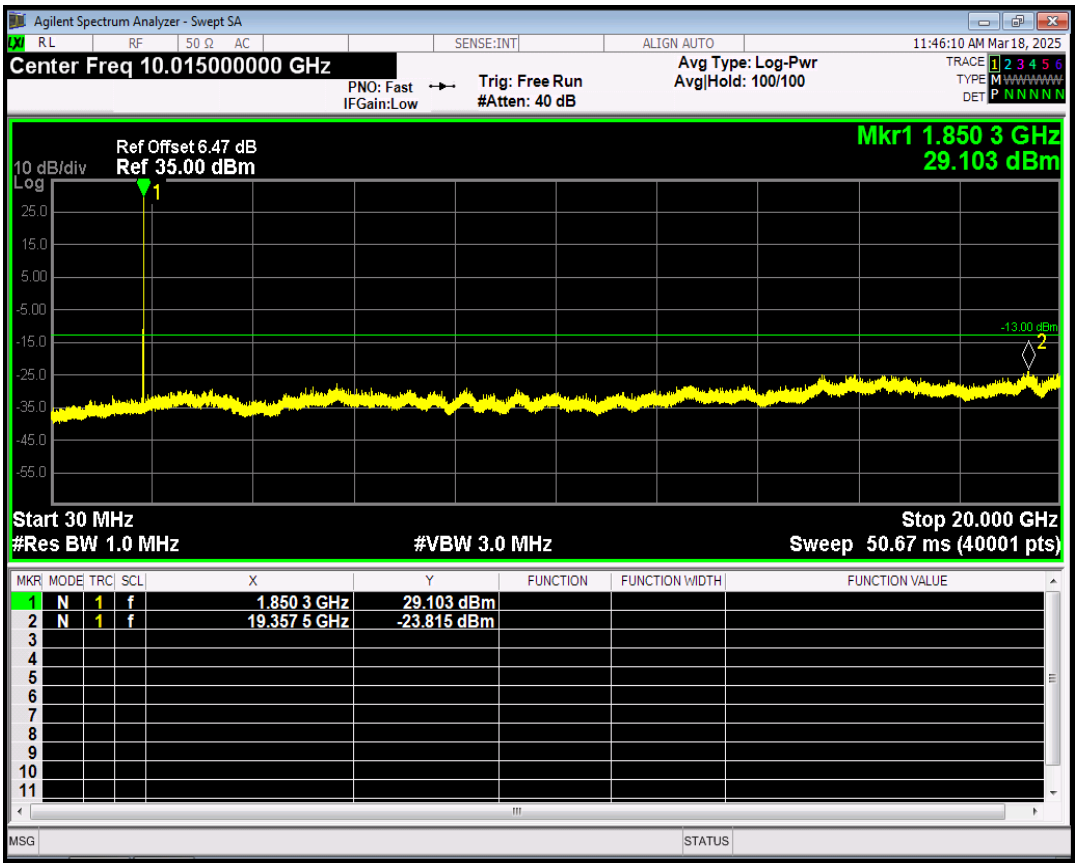

GSM850 Channel=128 NVNT



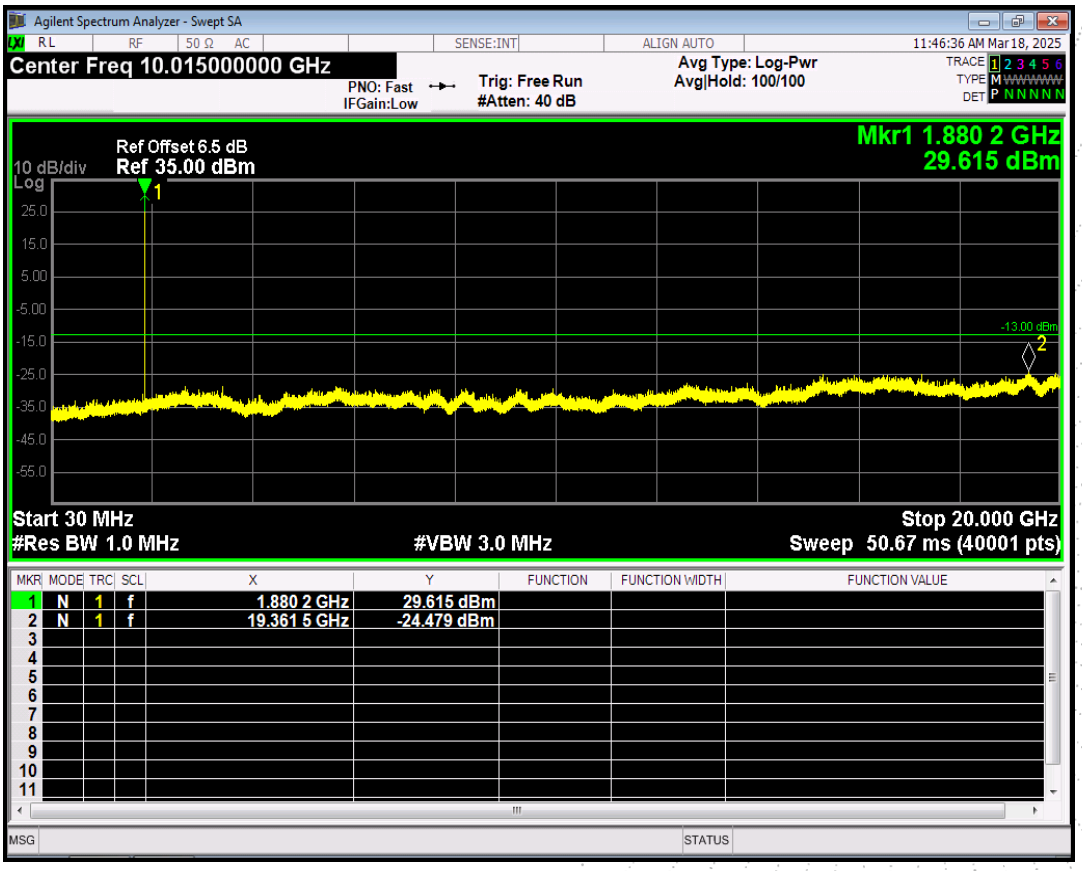
GSM850 Channel=190 NVNT



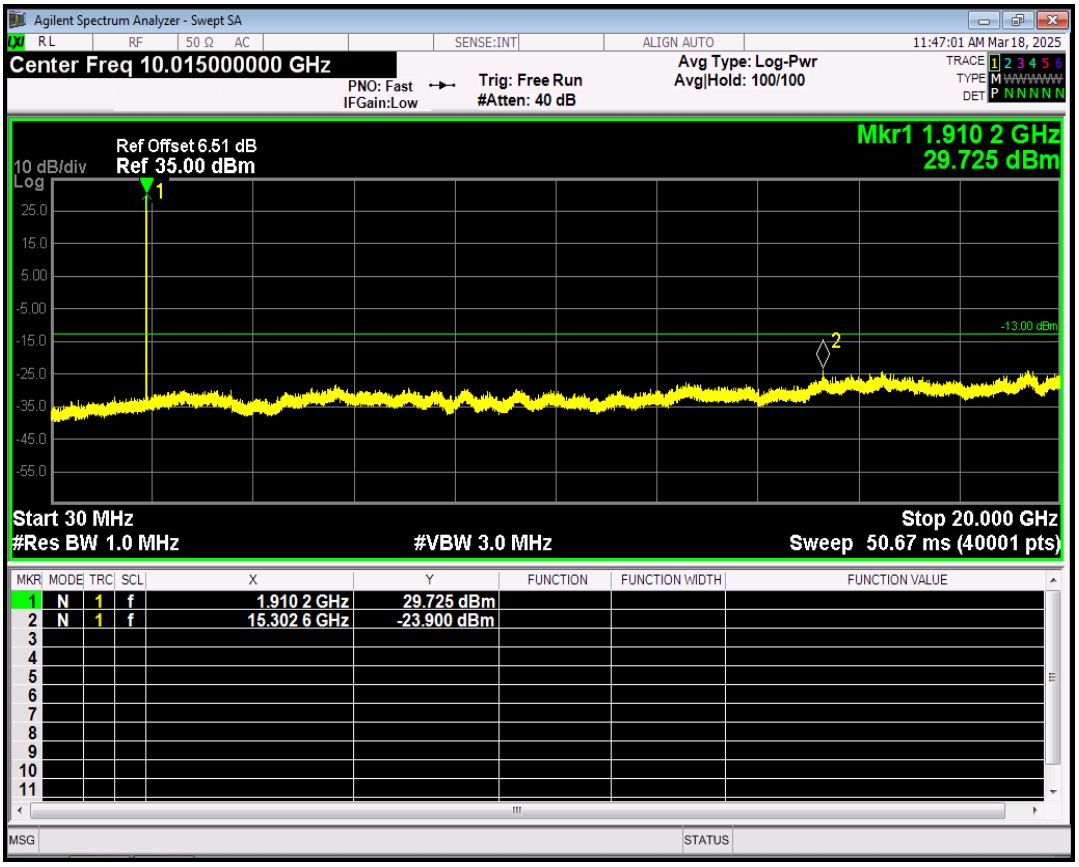

GSM850 Channel=251 NVNT




GSM1900 Channel=512 NVNT



GSM1900 Channel=661 NVNT




GSM1900 Channel=810 NVNT