

TEST REPORT

Report No.: BCTC2504054763-5E

Applicant: Shenzhen Huafurui Technology Co., Ltd.

Product Name: Smartphone

Test Model: KINGKONG ES 3

Tested Date: 2025-04-09 to 2025-05-26

Issued Date: 2025-05-27

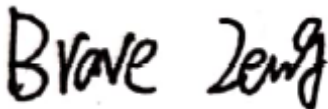
Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2AHZ5ES3

Product Name: Smartphone
Trademark: CUBOT
Model/Type reference: KINGKONG ES 3
Prepared For: Shenzhen Huafurui Technology Co., Ltd.
Address: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Shenzhen, China
Manufacturer: Shenzhen Huafurui Technology Co., Ltd.
Address: Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Shenzhen, China
Prepared By: Shenzhen BCTC Testing Co., Ltd.
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Sample Received Date: 2025-04-09
Sample tested Date: 2025-04-09 to 2025-05-26
Issue Date: 2025-05-27
Report No.: BCTC2504054763-5E
Test Standards: FCC CFR Title 47 Part 2
FCC CFR Title 47 Part22 Subpart H
FCC CFR Title 47 Part24 Subpart E
FCC CFR Title 47 Part27 Subpart L
ANSI/TIA-603-E-2016; [1] or • ANSI/TIA-102.CAAA-E-2016; [1] or • ANSI C63.26-2015
FCC KDB 971168 D01 Power Meas. License Digital Systems v03v01
Test Results: PASS
Remark: This is GSM & WCDMAradio test report.

Tested by:



Brave Zeng/ Project Handler

Approved by:



Zero Zhou/Reviewer

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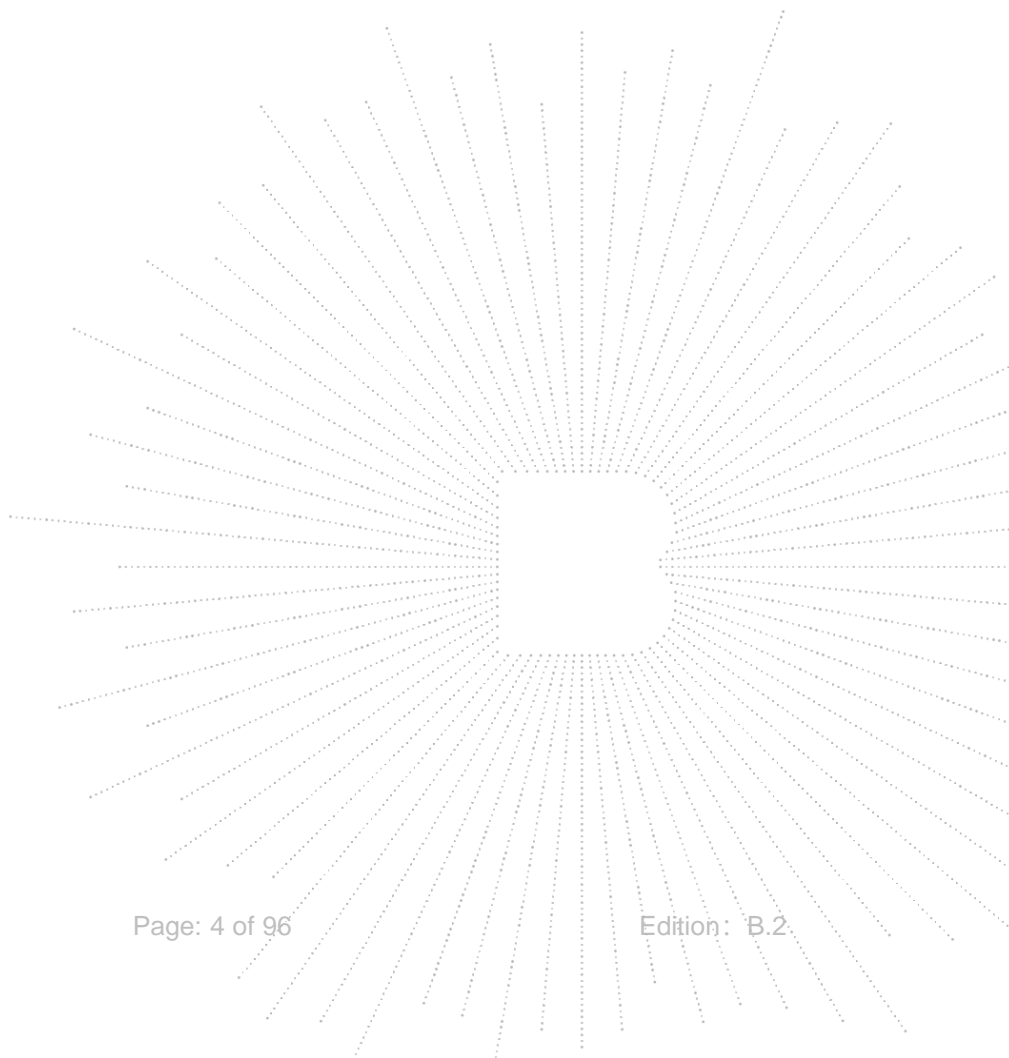
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(Note: N/A Means Not Applicable)

1. Version

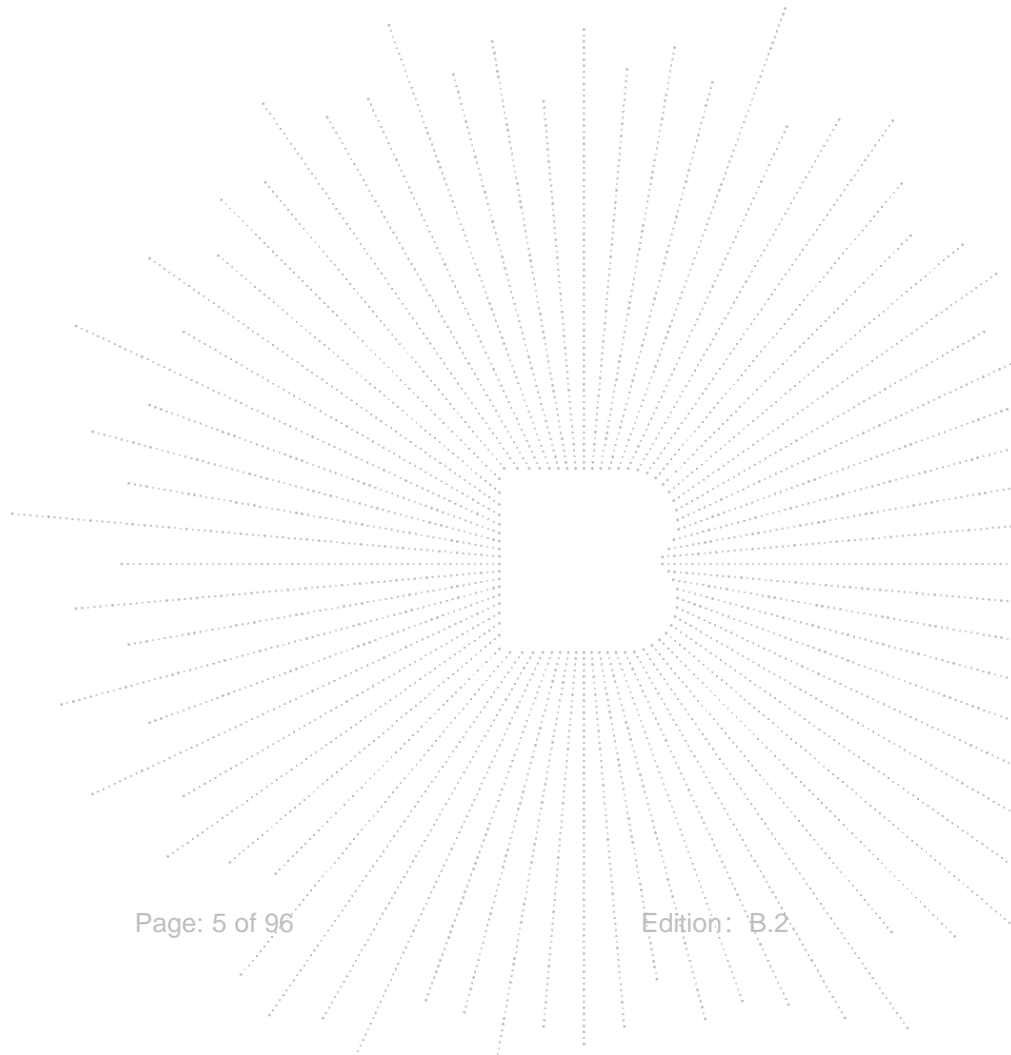
| Report No. | Issue Date | Description | Approved |
|-------------------|-------------------|--------------------|-----------------|
| BCTC2504054763-5E | 2025-05-27 | Original | Valid |
| | | | |



2. Test Summary

The Product has been tested according to the following specifications:

| No. | Test Parameter | Clause No. | Results |
|-----|---|--|---------|
| 1 | RF Exposure | §1.1307, §2.1093 | PASS |
| 2 | RF Output Power | §22.913 (a), §24.232 (c), §27.50, §2.1046 | PASS |
| 3 | Peak-to-average Ratio(PAR) of Transmitter | §24.232(d), §22.913, §27.50, §2.1046 | PASS |
| 4 | Emission Bandwidth | §22.917 (b), §24.238(b), §27.53, §2.1049 | PASS |
| 5 | Spurious Emissions at Antenna Terminal | §22.917 (a), §24.238 (a), §27.53, §2.1051 | PASS |
| 6 | Spurious Radiation Emissions | §22.917 (a), §24.238 (a), §27.53, §2.1051 | PASS |
| 7 | Out of Band Emissions | §22.917 (a), §24.238 (a), §27.53, §2.1051 | PASS |
| 8 | Frequency Stability | §22.355, §24.235, §27.54, §2.1055 | PASS |



3. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

| No. | Item | Uncertainty |
|-----|--|-------------|
| 1 | 3m chamber Radiated spurious emission(30MHz-1GHz) | U=4.3dB |
| 2 | 3m chamber Radiated spurious emission(9KHz-30MHz) | U=3.7dB |
| 3 | 3m chamber Radiated spurious emission(1GHz-18GHz) | U=4.5dB |
| 4 | 3m chamber Radiated spurious emission(18GHz-40GHz) | U=3.34dB |
| 5 | Conducted Emission (150kHz-30MHz) | U=3.20dB |
| 6 | Conducted Adjacent channel power | U=1.38dB |
| 7 | Conducted output power uncertainty Above 1G | U=1.576dB |
| 8 | Conducted output power uncertainty below 1G | U=1.28dB |
| 9 | humidity uncertainty | U=5.3% |
| 10 | Temperature uncertainty | U=0.59°C |

4. Product Information And Test Setup

4.1 Product Information

| | |
|------------------------|---|
| Model/Type reference: | KINGKONG ES 3 |
| Model differences: | N/A |
| Hardware Version: | S17F-MB-V2.0 |
| Software Version: | CUBOT_KINGKONG_ES_3_F071C_V01 |
| Operation Frequency: | GSM/GPRS/EGPRS 850: TX: 824~849MHz; RX: 869~894MHz; GSM/GPRS/EGPRS 1900: TX:1850~1910MHz; RX:1930~1990MHz; WCDMA Band II: TX: 1852.40~1907.60MHz; Rx: 1932.60~1987.40MHz; WCDMA Band IV: TX: 1712.40~1752.60MHz; RX: 2112.60 – 2452.40MHz WCDMA Band V: TX: 826.40~846.60MHz; RX: 871.40~ 891.60MHz; |
| GPRS Class: | Class 12 |
| Max RF Output Power: | GSM/GPRS/EGPRS 850: 32.68 dBm, GSM/GPRS/EGPRS 1900: 30.34 dBm WCDMA Band II: 22.76 dBm WCDMA Band IV: 23.54 dBm WCDMA Band V: 24.20 dBm |
| Type of Modulation: | GSM with GMSK Modulation WCDMA Mode with BPSK Modulation HSDPA Mode with QPSK, 16QAM Modulation HSUPA Mode with QPSK, 16QAM Modulation GSM/GPRS 850: 249KGXW EGPRS 850:249KGXW GSM/GPRS 1900: 250KGXW EGPRS 1900:251KGXW |
| Type of Emission: | WCDMA Band II: 4M17F9W WCDMA Band IV: 4M17F9W WCDMA Band V: 4M16F9W |
| Antenna installation: | Internal antenna |
| Antenna Gain: | GSM850: -1.13 dBi GSM1900: 0.23 dBi WCDMA Band II: 0.23 dBi WCDMA Band IV: -0.04 dBi WCDMA Band V: -1.13 dBi Remark: <input type="checkbox"/> The antenna gain of the product comes from the antenna report provided by the customer, and the test data is affected by the customer information. <input checked="" type="checkbox"/> The antenna gain of the product is provided by the customer, and the test data is affected by the customer information. |
| Connecting I/O Port(s) | Please refer to the User's Manual |
| Ratings: | DC 9V from adapter/DC 3.87V from battery |
| Adapter Information: | Model: HJ-PD33W-US Input: 100-240V~50/60Hz 0.8A Output: DC 5.0V 3.0A 15.0W OR DC 9.0V 3.0A 27.0W OR DC 12.0V 2.75A 33.0W MAX. |

4.2 Test Setup Configuration

See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

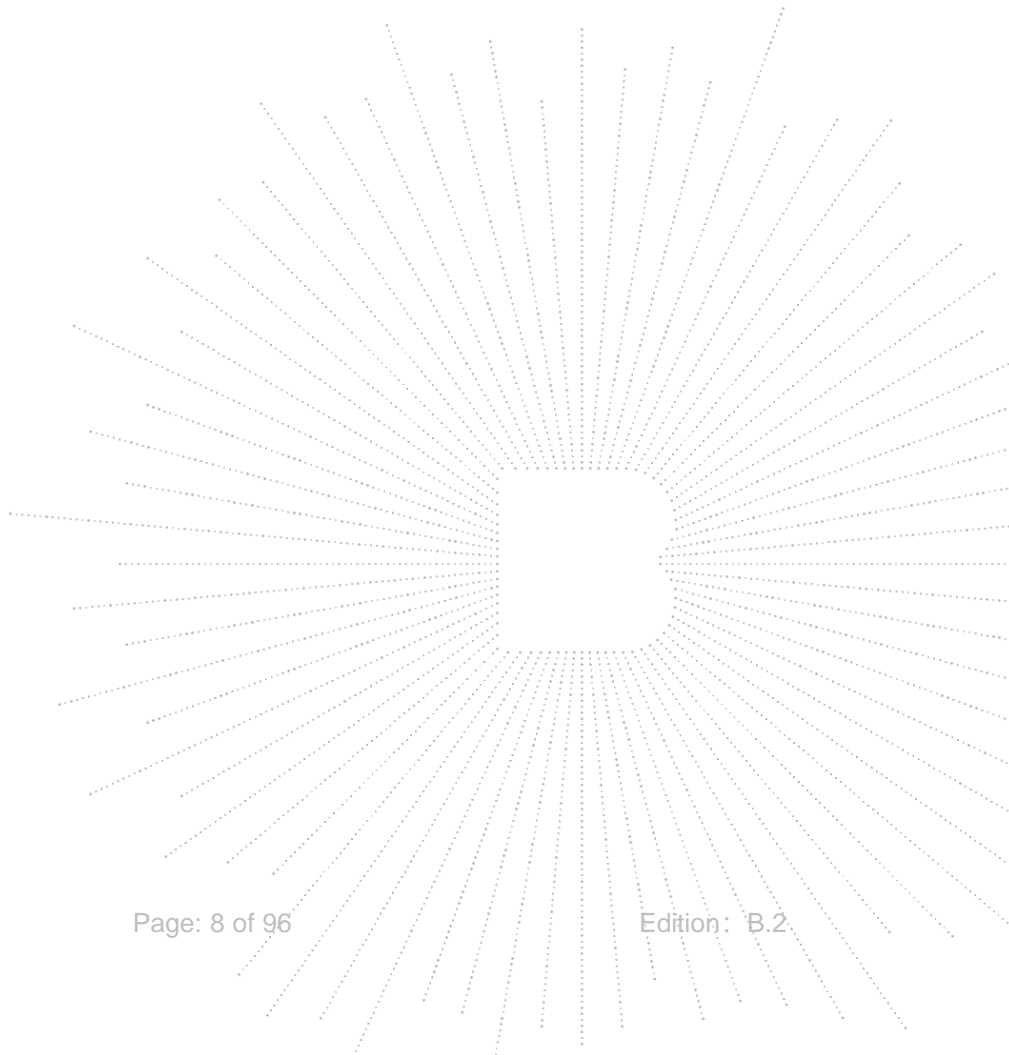
4.3 Support Equipment

| No. | Device Type | Brand | Model | Series No. | Note |
|-----|-------------|---------|---------------|------------|-----------|
| E-1 | Smartphone | CUBOT | KINGKONG ES 3 | N/A | EUT |
| E-2 | Adapter | / | HJ-PD33W-US | N/A | Auxiliary |
| E-3 | TF card | SanDisk | 32G | N/A | Auxiliary |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|---------------------|
| C-1 | N/A | N/A | 0M | DC cable unshielded |

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



4.5 Test Mode

| Testing Configure | | | |
|-------------------|------------------|-------------------|----------------|
| Support Band | Support Standard | Channel Frequency | Channel Number |
| GSM 850 | GSM/GPRS/EGPRS | 824.2 MHz | 128 |
| | | 836.6 MHz | 190 |
| | | 848.8 MHz | 251 |
| PCS 1900 | GSM/GPRS/EGPRS | 1850.2 MHz | 512 |
| | | 1880.0 MHz | 661 |
| | | 1909.8 MHz | 810 |
| WCDMA Band II | RMC/HSDPA/HSUPA | 1852.4 MHz | 9262 |
| | | 1880.0 MHz | 9400 |
| | | 1907.6 MHz | 9538 |
| WCDMA Band IV | RMC/HSDPA/HSUPA | 1712.4 MHz | 1312 |
| | | 1740 MHz | 1450 |
| | | 1752.6 MHz | 1513 |
| WCDMA Band V | RMC/HSDPA/HSUPA | 826.4 MHz | 4132 |
| | | 836.4 MHz | 4182 |
| | | 846.6 MHz | 4233 |

Note 1: the transmitter has been tested on the communications mode of WCDMA, HSDPA, HSUPA compliance test and record the worst case.
 Note 2: Both the SIM 1 and SIM 2 were tested, the worst mode is the SIM 1, the data recording in the report.

EUT Cable List and Details

| Cable Description | Length (M) | Shielded/Unshielded | With Core/ Without Core |
|-------------------|------------|---------------------|----------------------------|
| / | / | / | / |
| / | / | / | / |

Auxiliary Equipment List and Details

| Description | Manufacturer | Model | Serial Number |
|-------------|--------------|-------|---------------|
| / | / | / | / |

Special Cable List and Details

| Cable Description | Length (M) | Shielded/Unshielded | With Core/ Without Core |
|-------------------|------------|---------------------|----------------------------|
| / | / | / | / |

5. Test Facility And Test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address:1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: 712850

A2LA certificate registration number is: CN1212

ISED Registered No.: 23583

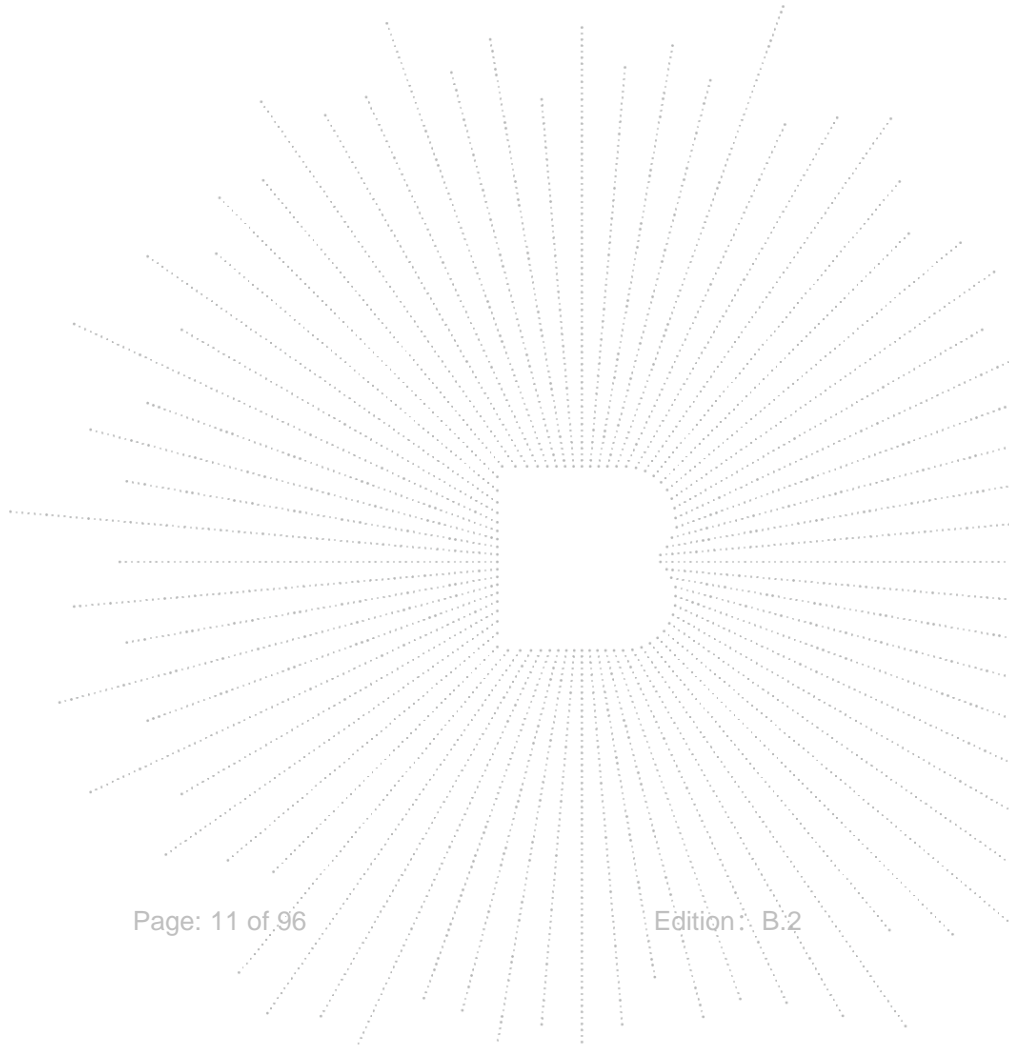
ISED CAB identifier: CN0017

5.2 Test Instrument Used

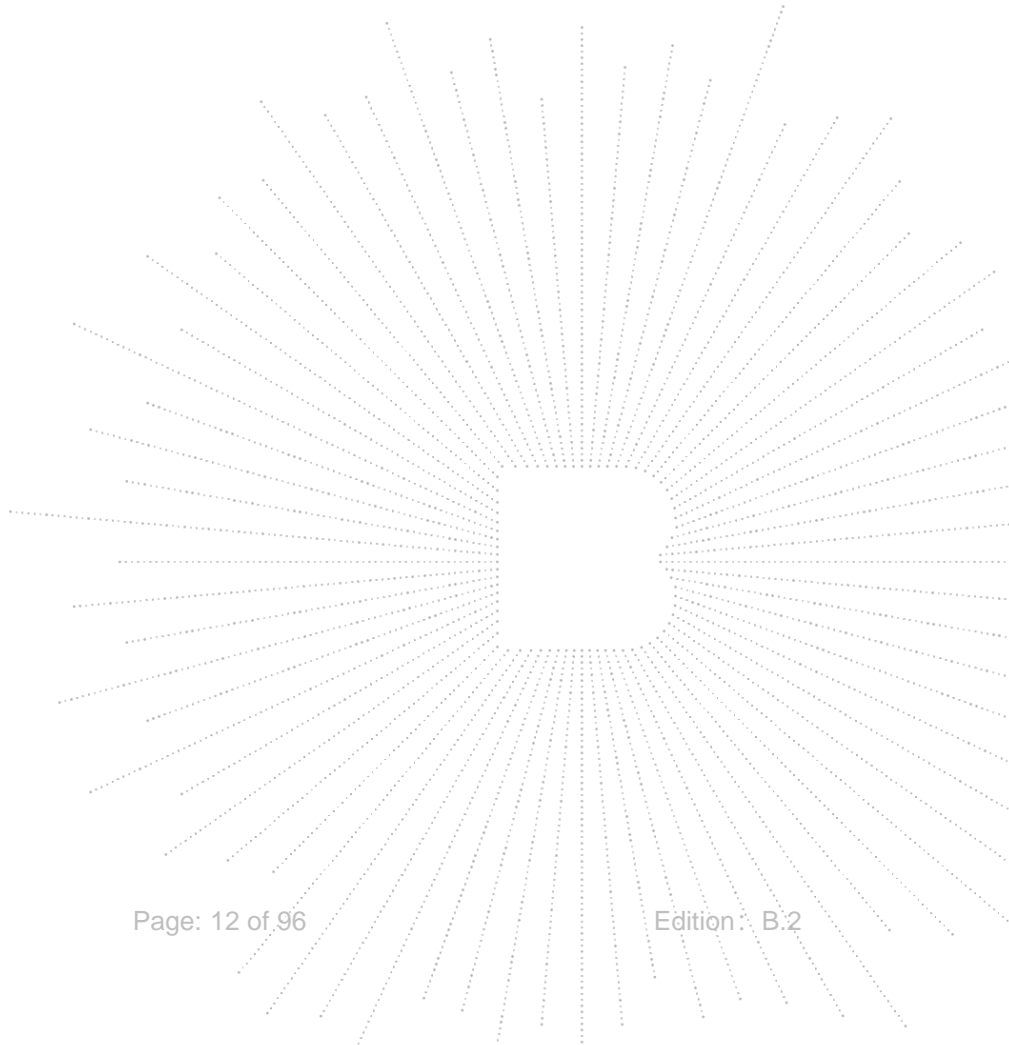
| RF Conducted Test | | | | | |
|------------------------------|--------------|------------|------------|--------------|--------------|
| Equipment | Manufacturer | Model# | Serial# | Last Cal. | Next Cal. |
| Power metter | Keysight | E4419 | \ | May 16, 2024 | May 15, 2025 |
| Power Sensor (AV) | Keysight | E9300A | \ | May 16, 2024 | May 15, 2025 |
| Signal Analyzer20kHz-26.5GHz | Keysight | N9020A | MY49100060 | May 16, 2024 | May 15, 2025 |
| Spectrum Analyzer9kHz-40GHz | R&S | FSP40 | 100363 | May 16, 2024 | May 15, 2025 |
| Communication test set | R&S | CMW500 | 126173 | Nov 11, 2024 | Nov 10, 2025 |
| Radio frequency control box | MAIWEI | MW200-RFCB | \ | \ | \ |
| Software | MAIWEI | MTS 8200 | \ | \ | \ |

| RF Conducted Test | | | | | |
|------------------------------|--------------|------------|------------|--------------|--------------|
| Equipment | Manufacturer | Model# | Serial# | Last Cal. | Next Cal. |
| Power metter | Keysight | E4419 | \ | May 14, 2025 | May 13, 2026 |
| Power Sensor (AV) | Keysight | E9300A | \ | May 14, 2025 | May 13, 2026 |
| Signal Analyzer20kHz-26.5GHz | Keysight | N9020A | MY49100060 | May 14, 2025 | May 13, 2026 |
| Spectrum Analyzer9kHz-40GHz | R&S | FSP40 | 100363 | May 14, 2025 | May 13, 2026 |
| Communication test set | R&S | CMW500 | 126173 | May 14, 2025 | May 13, 2026 |
| Radio frequency control box | MAIWEI | MW200-RFCB | \ | \ | \ |
| Software | MAIWEI | MTS 8200 | \ | \ | \ |

| Radiated Emissions Test (966 Chamber01) | | | | | |
|---|--------------|-------------------|---------------|--------------|--------------|
| Equipment | Manufacturer | Model# | Serial# | Last Cal. | Next Cal. |
| 966 chamber | ChengYu | 966 Room | 966 | May 15, 2023 | May 14, 2026 |
| Receiver | R&S | ESR | 102075 | May 16, 2024 | May 15, 2025 |
| Receiver | R&S | ESRP | 101154 | May 16, 2024 | May 15, 2025 |
| Amplifier | Schwarzbeck | BBV9744 | 9744-0037 | May 16, 2024 | May 15, 2025 |
| TRILOG Broadband Antenna | Schwarzbeck | VULB9163 | 942 | May 21, 2024 | May 20, 2025 |
| Loop Antenna(9KHz -30MHz) | Schwarzbeck | FMZB1519B | 00014 | May 21, 2024 | May 20, 2025 |
| Amplifier | SKET | LAPA_01G18 G-45dB | SK202104090 1 | May 16, 2024 | May 15, 2025 |
| Horn Antenna | Schwarzbeck | BBHA9120D | 1541 | May 21, 2024 | May 20, 2025 |
| Amplifier(18G Hz-40GHz) | MITEQ | TTA1840-35-HG | 2034381 | May 16, 2024 | May 15, 2025 |
| Horn Antenna(18G Hz-40GHz) | Schwarzbeck | BBHA9170 | 00822 | May 21, 2024 | May 20, 2025 |
| Spectrum Analyzer9kHz-40GHz | R&S | FSP40 | 100363 | May 16, 2024 | May 15, 2025 |
| Communication test set | R&S | CMW500 | 126173 | Nov 11, 2024 | Nov 10, 2025 |
| Software | Frad | EZ-EMC | FA-03A2 RE | \ | \ |



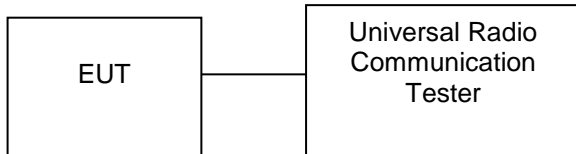
| Radiated Emissions Test (966 Chamber01) | | | | | |
|---|--------------|-------------------|---------------|---------------|---------------|
| Equipment | Manufacturer | Model# | Serial# | Last Cal. | Next Cal. |
| 966 chamber | ChengYu | 966 Room | 966 | May 15, 2023 | May 14, 2026 |
| Receiver | R&S | ESR | 102075 | May 08, 2025 | May 07, 2026 |
| Receiver | R&S | ESRP | 101154 | May 14, 2025 | May 13, 2026 |
| Amplifier | Schwarzbeck | BBV9744 | 9744-0037 | May 14, 2025 | May 13, 2026 |
| TRILOG Broadband Antenna | Schwarzbeck | VULB9163 | 942 | May 21, 2025 | May 20, 2026 |
| Loop Antenna(9KHz -30MHz) | Schwarzbeck | FMZB1519B | 00014 | May 21, 2024 | May 20, 2026 |
| Amplifier | SKET | LAPA_01G18 G-45dB | SK202104090 1 | May 14, 2025 | May 13, 2026 |
| Horn Antenna | Schwarzbeck | BBHA9120D | 1541 | May 21, 2025 | May 20, 2026 |
| Amplifier(18G Hz-40GHz) | MITEQ | TTA1840-35-HG | 2034381 | May 14, 2025 | May 13, 2026 |
| Horn Antenna(18G Hz-40GHz) | Schwarzbeck | BBHA9170 | 00822 | May 21, 2025 | May 20, 2026 |
| Spectrum Analyzer9kHz-40GHz | R&S | FSP40 | 100363 | May 14, 2025 | May 13, 2026 |
| Communication test set | R&S | CMW500 | 126173 | Nov. 11. 2024 | Nov. 10, 2025 |
| Software | Frad | EZ-EMC | FA-03A2 RE | \ | \ |



6. RF Output Power

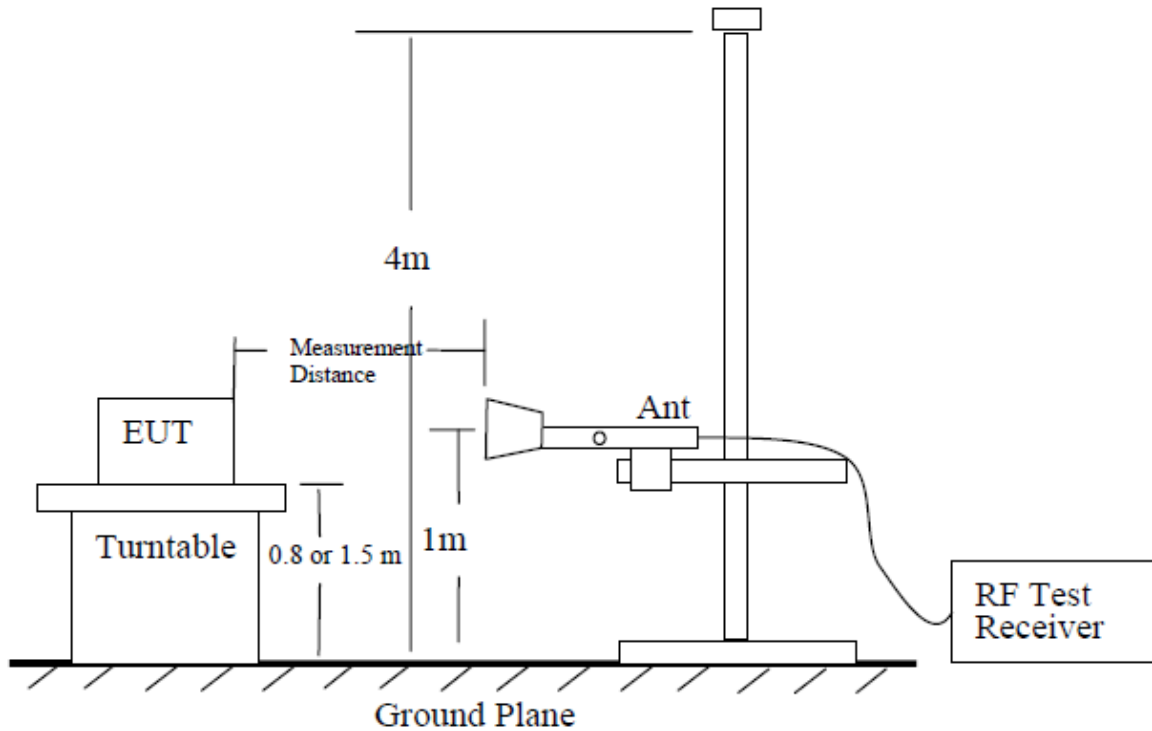
6.1 Block Diagram Of Test Setup

Conducted output power test method:

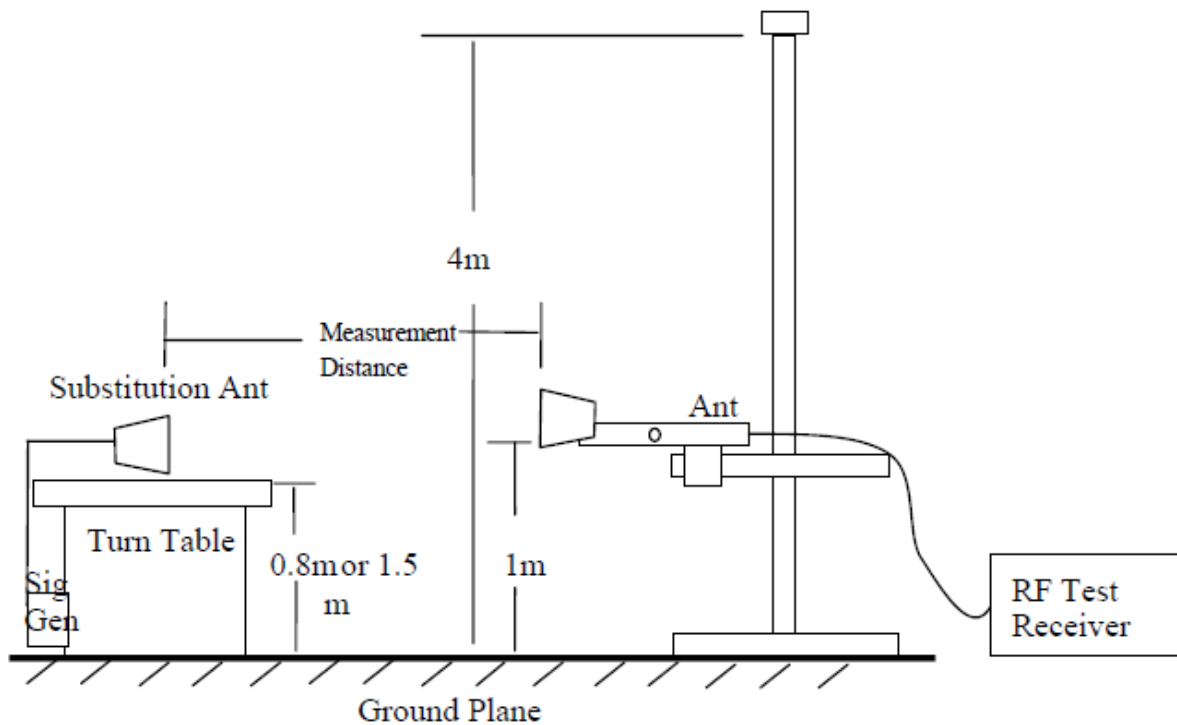


Radiated power test method:

(A) Test site-up for radiated ERP and/or EIRP measurements



(B) Substitution method set-up for radiated emission



6.2 Limit

According to §22.913(a)(2), The ERP of mobile and portable stations transmitters and auxiliary test transmitters must not exceed 7 Watts.

According to §24.232 (c), Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to §27.50(d)(4), Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

6.3 Test procedure

Radiated power test method:

1. The setup of EUT is according with per ANSI/TIA-603-E-2016 and ANSI C63.26-2015 measurement procedure.
2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
4. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

6.4 Test Result

ERP For GSM Mode GSM850

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 22H Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 824.2 | H | 54.02 | -26.29 | 27.73 | 38.45 | PASS |
| 824.2 | V | 54.20 | -26.29 | 27.91 | 38.45 | PASS |
| Middle Channel | | | | | | |
| 836.6 | H | 53.62 | -26.35 | 27.27 | 38.45 | PASS |
| 836.6 | V | 53.05 | -26.35 | 26.70 | 38.45 | PASS |
| High Channel | | | | | | |
| 848.8 | H | 54.26 | -26.42 | 27.84 | 38.45 | PASS |
| 848.8 | V | 54.11 | -26.42 | 27.69 | 38.45 | PASS |

EIRP For GSM Mode PCS1900

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 24E Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 1850.2 | H | 54.79 | -26.93 | 27.86 | 33.00 | PASS |
| 1850.2 | V | 54.72 | -26.93 | 27.79 | 33.00 | PASS |
| Middle Channel | | | | | | |
| 1880 | H | 54.00 | -26.86 | 27.14 | 33.00 | PASS |
| 1880 | V | 53.98 | -26.86 | 27.12 | 33.00 | PASS |
| High Channel | | | | | | |
| 1909.8 | H | 54.35 | -26.80 | 27.55 | 33.00 | PASS |
| 1909.8 | V | 53.99 | -26.80 | 27.19 | 33.00 | PASS |

ERP For GPRS Mode GSM850

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 22H Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 824.2 | H | 53.52 | -26.29 | 27.23 | 38.45 | PASS |
| 824.2 | V | 53.24 | -26.29 | 26.95 | 38.45 | PASS |
| Middle Channel | | | | | | |
| 836.6 | H | 53.63 | -26.35 | 27.28 | 38.45 | PASS |
| 836.6 | V | 53.84 | -26.35 | 27.49 | 38.45 | PASS |
| High Channel | | | | | | |
| 848.8 | H | 54.31 | -26.42 | 27.89 | 38.45 | PASS |
| 848.8 | V | 54.13 | -26.42 | 27.71 | 38.45 | PASS |

EIRP For GPRS Mode PCS1900

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 24E Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 1850.2 | H | 54.44 | -26.93 | 27.51 | 33.00 | PASS |
| 1850.2 | V | 54.27 | -26.93 | 27.34 | 33.00 | PASS |
| Middle Channel | | | | | | |
| 1880 | H | 54.47 | -26.86 | 27.61 | 33.00 | PASS |
| 1880 | V | 53.81 | -26.86 | 26.95 | 33.00 | PASS |
| High Channel | | | | | | |
| 1909.8 | H | 54.39 | -26.80 | 27.59 | 33.00 | PASS |
| 1909.8 | V | 53.92 | -26.80 | 27.12 | 33.00 | PASS |

Note: All modes have been tested and only the worst mode is represented, with the worst data being Subtest1.

ERP For EGPRS Mode GSM850

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 22H Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 824.2 | H | 53.82 | -26.29 | 27.53 | 38.45 | PASS |
| 824.2 | V | 53.29 | -26.29 | 27.00 | 38.45 | PASS |
| Middle Channel | | | | | | |
| 836.6 | H | 53.24 | -26.35 | 26.89 | 38.45 | PASS |
| 836.6 | V | 52.97 | -26.35 | 26.62 | 38.45 | PASS |
| High Channel | | | | | | |
| 848.8 | H | 53.83 | -26.42 | 27.41 | 38.45 | PASS |
| 848.8 | V | 54.01 | -26.42 | 27.59 | 38.45 | PASS |

EIRP For EGPRS Mode PCS1900

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 24E Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 1850.2 | H | 54.40 | -26.93 | 27.47 | 33.00 | PASS |
| 1850.2 | V | 54.06 | -26.93 | 27.13 | 33.00 | PASS |
| Middle Channel | | | | | | |
| 1880 | H | 54.24 | -26.86 | 27.38 | 33.00 | PASS |
| 1880 | V | 54.35 | -26.86 | 27.49 | 33.00 | PASS |
| High Channel | | | | | | |
| 1909.8 | H | 54.45 | -26.80 | 27.65 | 33.00 | PASS |
| 1909.8 | V | 54.38 | -26.80 | 27.58 | 33.00 | PASS |

Note: All modes have been tested and only the worst mode is represented, with the worst data being Subtest1.

EIRP For RMC 12.2Kbps Mode Band II

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 24E Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 1852.4 | H | 50.32 | -26.92 | 23.40 | 33.00 | PASS |
| 1852.4 | V | 48.83 | -26.92 | 21.91 | 33.00 | PASS |
| Middle Channel | | | | | | |
| 1880 | H | 49.52 | -26.86 | 22.66 | 33.00 | PASS |
| 1880 | V | 48.44 | -26.86 | 21.58 | 33.00 | PASS |
| High Channel | | | | | | |
| 1907.6 | H | 48.83 | -26.80 | 22.03 | 33.00 | PASS |
| 1907.6 | V | 48.60 | -26.80 | 21.80 | 33.00 | PASS |

EIRP For HSDPA Mode Band II

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 24E Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 1852.4 | H | 49.38 | -26.92 | 22.46 | 33.00 | PASS |
| 1852.4 | V | 49.19 | -26.92 | 22.27 | 33.00 | PASS |
| Middle Channel | | | | | | |
| 1880 | H | 49.72 | -26.86 | 22.86 | 33.00 | PASS |
| 1880 | V | 48.76 | -26.86 | 21.90 | 33.00 | PASS |
| High Channel | | | | | | |
| 1907.6 | H | 48.61 | -26.80 | 21.81 | 33.00 | PASS |
| 1907.6 | V | 48.73 | -26.80 | 21.93 | 33.00 | PASS |

EIRP For HSUPA Mode Band II

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 24E Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 1852.4 | H | 50.14 | -26.92 | 23.22 | 33.00 | PASS |
| 1852.4 | V | 49.19 | -26.92 | 22.27 | 33.00 | PASS |
| Middle Channel | | | | | | |
| 1880 | H | 48.70 | -26.86 | 21.84 | 33.00 | PASS |
| 1880 | V | 49.06 | -26.86 | 22.20 | 33.00 | PASS |
| High Channel | | | | | | |
| 1907.6 | H | 49.50 | -26.80 | 22.70 | 33.00 | PASS |
| 1907.6 | V | 48.69 | -26.80 | 21.89 | 33.00 | PASS |

Note: The worst mode of HSDPA and HSUPA is Subtest1.

EIRP For RMC 12.2Kbps Mode Band IV

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 27L Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 1712.4 | H | 48.99 | -27.23 | 21.76 | 33.00 | PASS |
| 1712.4 | V | 49.11 | -27.23 | 21.88 | 33.00 | PASS |
| Middle Channel | | | | | | |
| 1740 | H | 49.67 | -27.19 | 22.48 | 33.00 | PASS |
| 1740 | V | 49.22 | -27.19 | 22.03 | 33.00 | PASS |
| High Channel | | | | | | |
| 1752.6 | H | 49.31 | -27.14 | 22.17 | 33.00 | PASS |
| 1752.6 | V | 49.26 | -27.14 | 22.12 | 33.00 | PASS |

EIRP For HSDPA Mode Band IV

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 27L Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 1712.4 | H | 48.21 | -27.23 | 20.98 | 33.00 | PASS |
| 1712.4 | V | 47.60 | -27.23 | 20.37 | 33.00 | PASS |
| Middle Channel | | | | | | |
| 1740 | H | 48.86 | -27.19 | 21.67 | 33.00 | PASS |
| 1740 | V | 48.17 | -27.19 | 20.98 | 33.00 | PASS |
| High Channel | | | | | | |
| 1752.6 | H | 47.95 | -27.14 | 20.81 | 33.00 | PASS |
| 1752.6 | V | 47.72 | -27.14 | 20.58 | 33.00 | PASS |

EIRP For HSUPA Mode Band IV

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 27L Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 1712.4 | H | 49.94 | -27.23 | 22.71 | 33.00 | PASS |
| 1712.4 | V | 48.36 | -27.23 | 21.13 | 33.00 | PASS |
| Middle Channel | | | | | | |
| 1740 | H | 49.98 | -27.19 | 22.79 | 33.00 | PASS |
| 1740 | V | 49.00 | -27.19 | 21.81 | 33.00 | PASS |
| High Channel | | | | | | |
| 1752.6 | H | 48.85 | -27.14 | 21.71 | 33.00 | PASS |
| 1752.6 | V | 48.81 | -27.14 | 21.67 | 33.00 | PASS |

Note: The worst mode of HSDPA and HSUPA is Subtest1.

ERP For RMC 12.2Kbps Mode Band V

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 22H Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 826.4 | H | 49.59 | -26.29 | 23.30 | 38.45 | PASS |
| 826.4 | V | 48.88 | -26.29 | 22.59 | 38.45 | PASS |
| Middle Channel | | | | | | |
| 836.4 | H | 48.99 | -26.35 | 22.64 | 38.45 | PASS |
| 836.4 | V | 48.91 | -26.35 | 22.56 | 38.45 | PASS |
| High Channel | | | | | | |
| 846.6 | H | 49.42 | -26.42 | 23.00 | 38.45 | PASS |
| 846.6 | V | 48.71 | -26.42 | 22.29 | 38.45 | PASS |

ERP For HSDPA Mode Band V

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 22H Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 826.4 | H | 50.29 | -26.29 | 24.00 | 38.45 | PASS |
| 826.4 | V | 48.64 | -26.29 | 22.35 | 38.45 | PASS |
| Middle Channel | | | | | | |
| 836.4 | H | 48.34 | -26.35 | 21.99 | 38.45 | PASS |
| 836.4 | V | 48.89 | -26.35 | 22.54 | 38.45 | PASS |
| High Channel | | | | | | |
| 846.6 | H | 49.98 | -26.42 | 23.56 | 38.45 | PASS |
| 846.6 | V | 48.53 | -26.42 | 22.11 | 38.45 | PASS |

ERP For HSUPA Mode Band V

| Frequency (MHz) | Polar (H/V) | Reading Level (dBm) | Correct Factor (dB) | Measurement (dBm) | FCC Part 22H Limits (dBm) | Result |
|-----------------|-------------|---------------------|---------------------|-------------------|---------------------------|--------|
| Low Channel | | | | | | |
| 826.4 | H | 49.40 | -26.29 | 23.11 | 38.45 | PASS |
| 826.4 | V | 48.57 | -26.29 | 22.28 | 38.45 | PASS |
| Middle Channel | | | | | | |
| 836.4 | H | 50.19 | -26.35 | 23.84 | 38.45 | PASS |
| 836.4 | V | 48.74 | -26.35 | 22.39 | 38.45 | PASS |
| High Channel | | | | | | |
| 846.6 | H | 48.86 | -26.42 | 22.44 | 38.45 | PASS |
| 846.6 | V | 48.63 | -26.42 | 22.21 | 38.45 | PASS |

Note: The worst mode of HSDPA and HSUPA is Subtest1.

Max. Conducted Output Power

For Cellular Band (GSM850)

| Band | GSM850 | | |
|-----------------------|---------------|--------------|--------------|
| Channel | 128 | 190 | 251 |
| Frequency(MHz) | 824.2 | 836.6 | 848.8 |
| GSM | 32.56 | 32.68 | 32.66 |
| GPRS Subtest-1 | 32.49 | 32.66 | 32.61 |
| GPRS Subtest-2 | 30.36 | 30.38 | 30.38 |
| GPRS Subtest-3 | 28.46 | 28.56 | 28.62 |
| GPRS Subtest-4 | 26.5 | 26.54 | 26.58 |
| EGPRS Subtest-1 | 25.83 | 25.99 | 25.57 |
| EGPRS Subtest-2 | 25.09 | 25.01 | 25.29 |
| EGPRS Subtest-3 | 22.99 | 23.59 | 23.09 |
| EGPRS Subtest-4 | 21.28 | 26.51 | 21.05 |

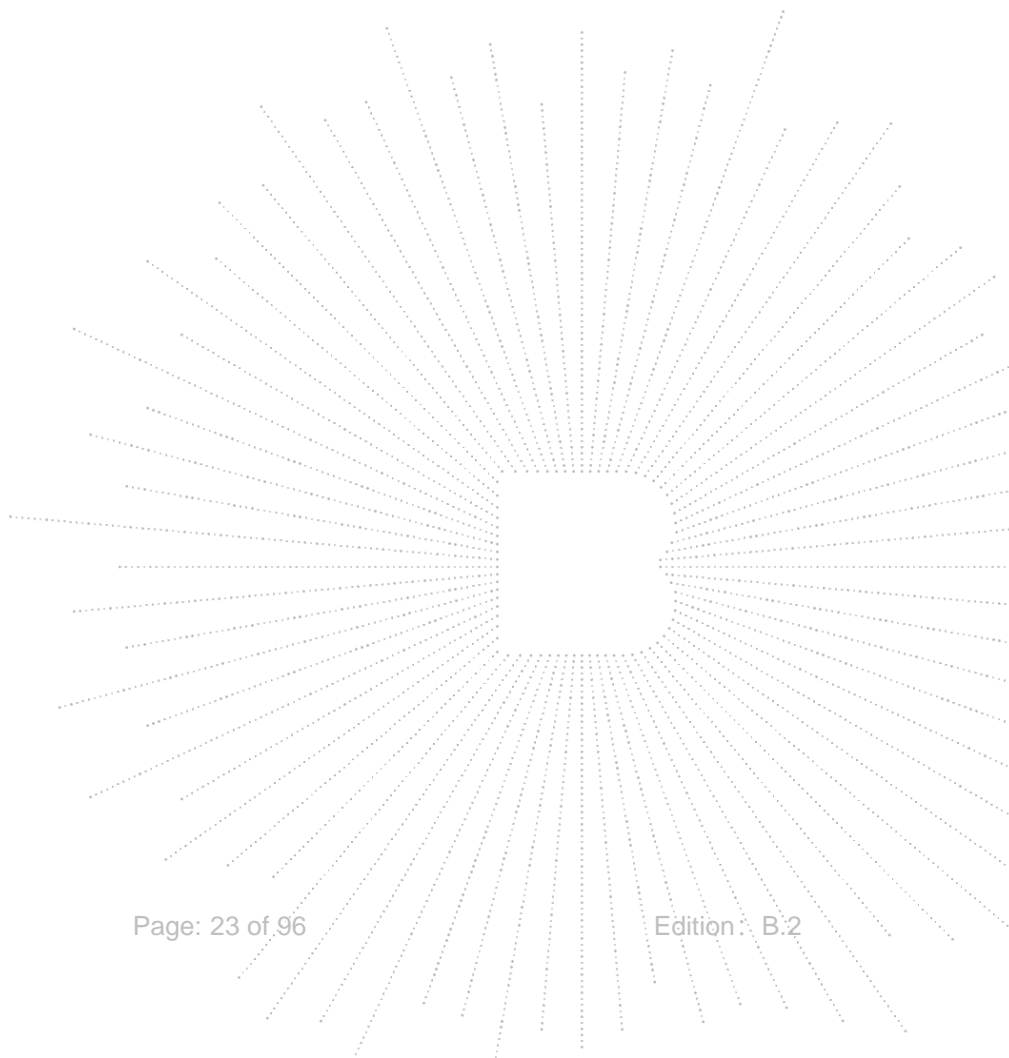
For PCS Band (GSM1900)

| Band | GSM1900 | | |
|-----------------------|----------------|-------------|---------------|
| Channel | 512 | 661 | 810 |
| Frequency(MHz) | 1850.2 | 1880 | 1909.8 |
| GSM | 30.34 | 30.15 | 30.00 |
| GPRS Slot -1 | 30.34 | 30.16 | 30.01 |
| GPRS Slot -2 | 27.74 | 27.33 | 27.06 |
| GPRS Slot -3 | 26.15 | 25.74 | 25.48 |
| GPRS Slot -4 | 24.29 | 23.86 | 23.62 |
| EGPRS Slot -1 | 27.36 | 26.99 | 26.74 |
| EGPRS Slot -2 | 25.44 | 25.62 | 24.75 |
| EGPRS Slot -3 | 23.75 | 23.17 | 23.03 |
| EGPRS Slot -4 | 22.49 | 21.71 | 21.47 |

| Band | WCDMA Band II | | |
|-----------------------|----------------------|---------------|---------------|
| Channel | 9262 | 9400 | 9538 |
| Frequency(MHz) | 1852.4 | 1880.0 | 1907.6 |
| WCDMA RMC 12.2K | 22.76 | 22.44 | 22.31 |
| HSDPA Subtest-1 | 22.65 | 21.81 | 22.08 |
| HSDPA Subtest-2 | 22.25 | 21.61 | 21.85 |
| HSDPA Subtest-3 | 21.74 | 21.07 | 21.39 |
| HSDPA Subtest-4 | 21.92 | 21.15 | 21.38 |
| HSUPA Subtest-1 | 22.58 | 21.61 | 21.91 |
| HSUPA Subtest-2 | 22.58 | 21.86 | 21.94 |
| HSUPA Subtest-3 | 22.11 | 21.47 | 21.64 |
| HSUPA Subtest-4 | 22.56 | 21.79 | 22.02 |
| HSUPA Subtest-5 | 22.12 | 21.45 | 21.54 |

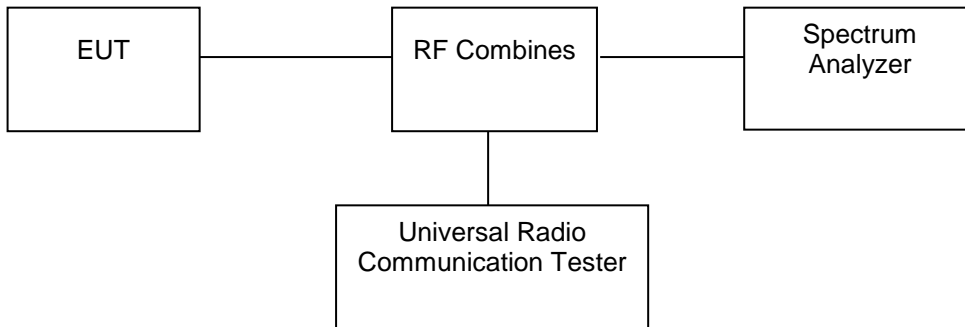
| Band | WCDMA Band IV | | |
|-----------------------|----------------------|--------------|---------------|
| Channel | 1312 | 1450 | 1513 |
| Frequency(MHz) | 1712.4 | 1740 | 1752.6 |
| WCDMA RMC 12.2K | 23.29 | 23.54 | 23.42 |
| HSDPA Subtest-1 | 22.55 | 22.73 | 22.20 |
| HSDPA Subtest-2 | 22.29 | 22.26 | 21.81 |
| HSDPA Subtest-3 | 22.13 | 22.05 | 21.52 |
| HSDPA Subtest-4 | 22.04 | 21.81 | 21.47 |
| HSUPA Subtest-1 | 22.43 | 22.62 | 21.99 |
| HSUPA Subtest-2 | 22.60 | 22.62 | 22.14 |
| HSUPA Subtest-3 | 22.00 | 22.19 | 22.04 |
| HSUPA Subtest-4 | 22.60 | 22.69 | 22.14 |
| HSUPA Subtest-5 | 22.23 | 22.35 | 22.15 |

| Band | WCDMA Band V | | |
|-----------------|--------------|--------------|--------------|
| | 4132 | 4182 | 4233 |
| Channel | 826.4 | 836.4 | 846.6 |
| Frequency(MHz) | 826.4 | 836.4 | 846.6 |
| WCDMA RMC 12.2K | 24.20 | 23.95 | 23.86 |
| HSDPA Subtest-1 | 22.82 | 22.26 | 22.35 |
| HSDPA Subtest-2 | 22.49 | 21.95 | 22.26 |
| HSDPA Subtest-3 | 21.94 | 21.87 | 21.74 |
| HSDPA Subtest-4 | 22.08 | 21.37 | 21.79 |
| HSUPA Subtest-1 | 22.70 | 22.19 | 22.19 |
| HSUPA Subtest-2 | 22.61 | 22.27 | 22.41 |
| HSUPA Subtest-3 | 22.32 | 22.14 | 22.15 |
| HSUPA Subtest-4 | 22.57 | 22.19 | 22.38 |
| HSUPA Subtest-5 | 22.36 | 22.22 | 22.27 |



7. Peak-to-average Ratio(PAR) of Transmitter

7.1 Block Diagram Of Test Setup



7.2 Limit

According to §24.232(d), Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

According to §27.50(B), the peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

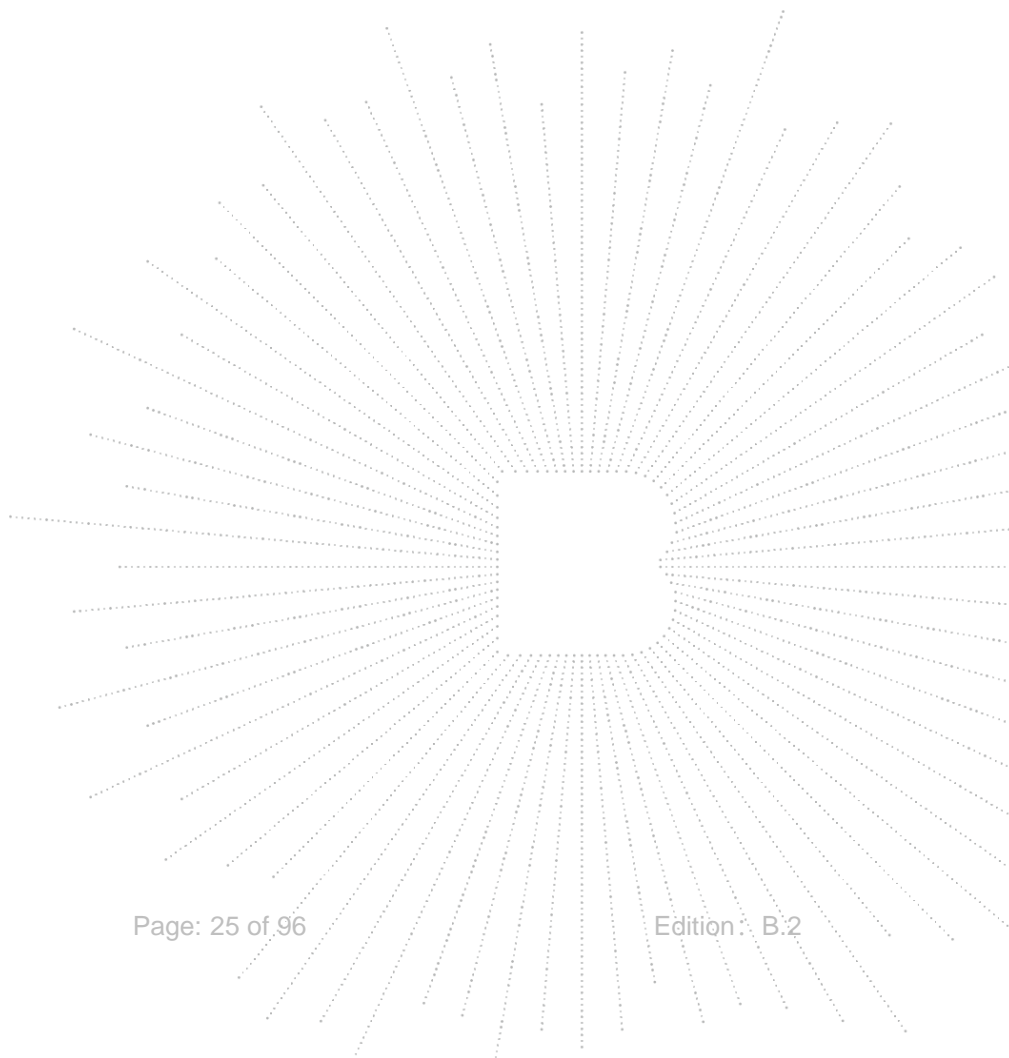
According to §22.913(d), The peak-to-average ratio (PAR) of the transmission must not exceed 13 dB.

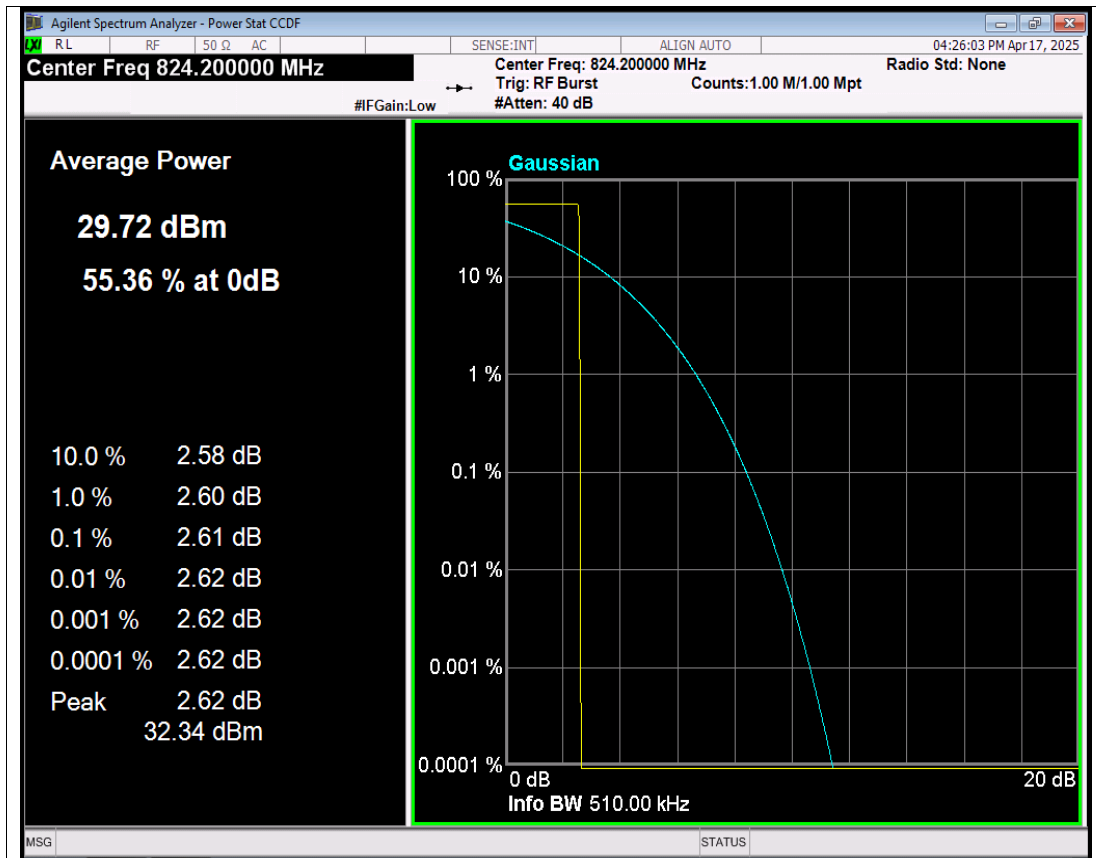
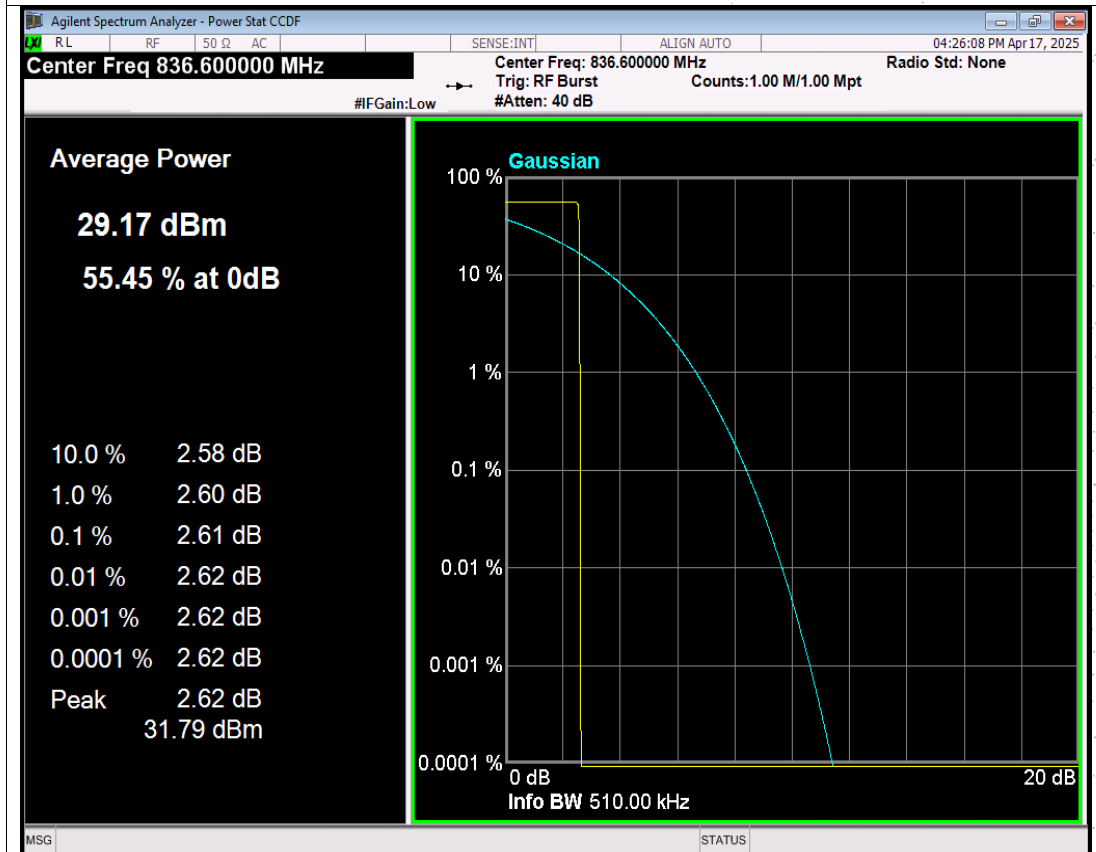
7.3 Test procedure

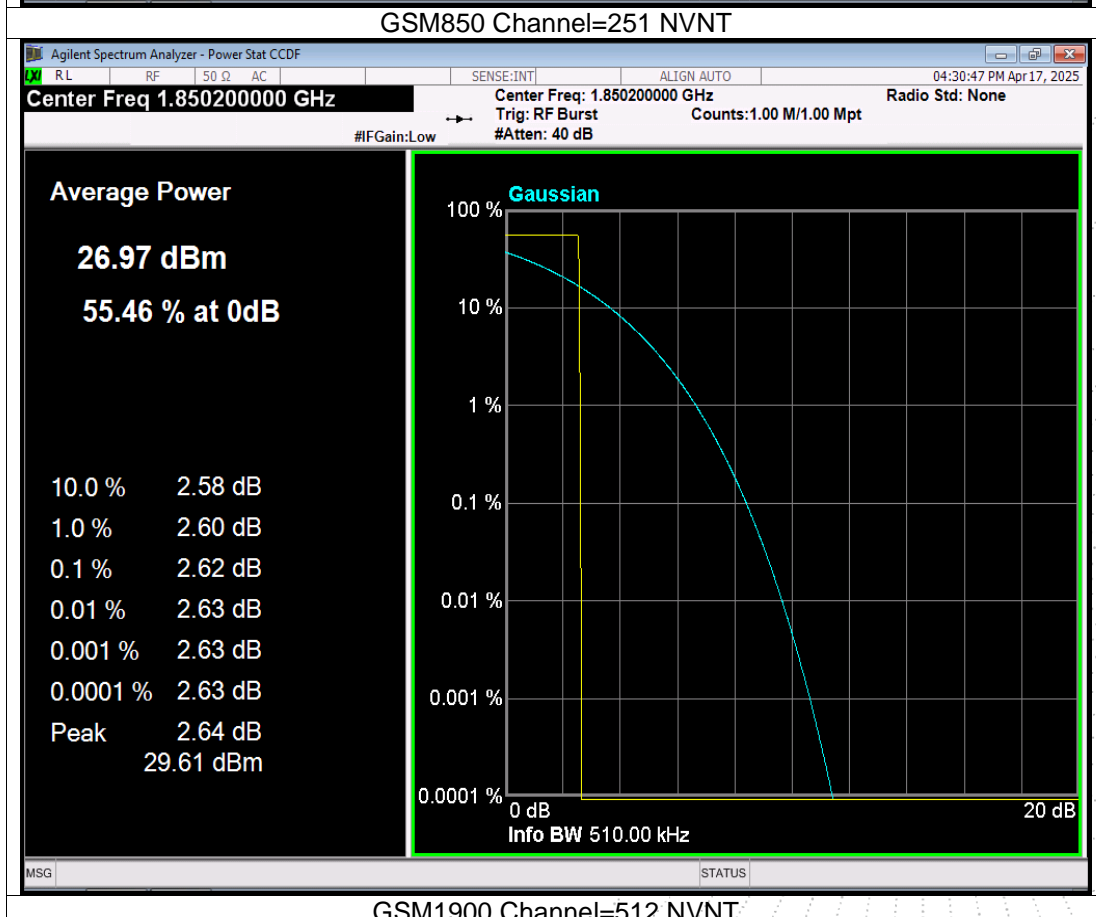
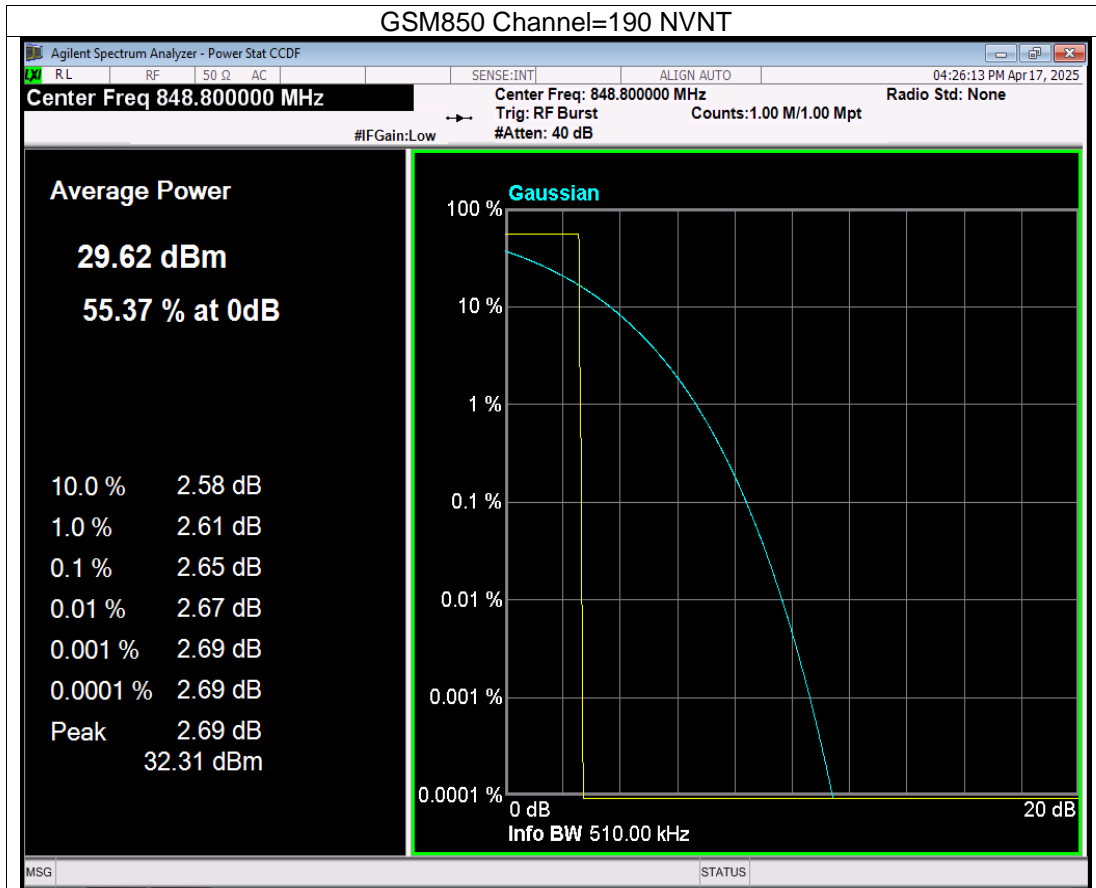
The RF output terminal of the transmitter was connected to the input of the spectrum analyzer via a suitable attenuation. The RBW of the spectrum analyzer was set to 30kHz and the peak-to-average ratio (PAR) of the transmission was recorded. Record the maximum PAPR level associated with a probability of 0.1%.

7.4 Test Result

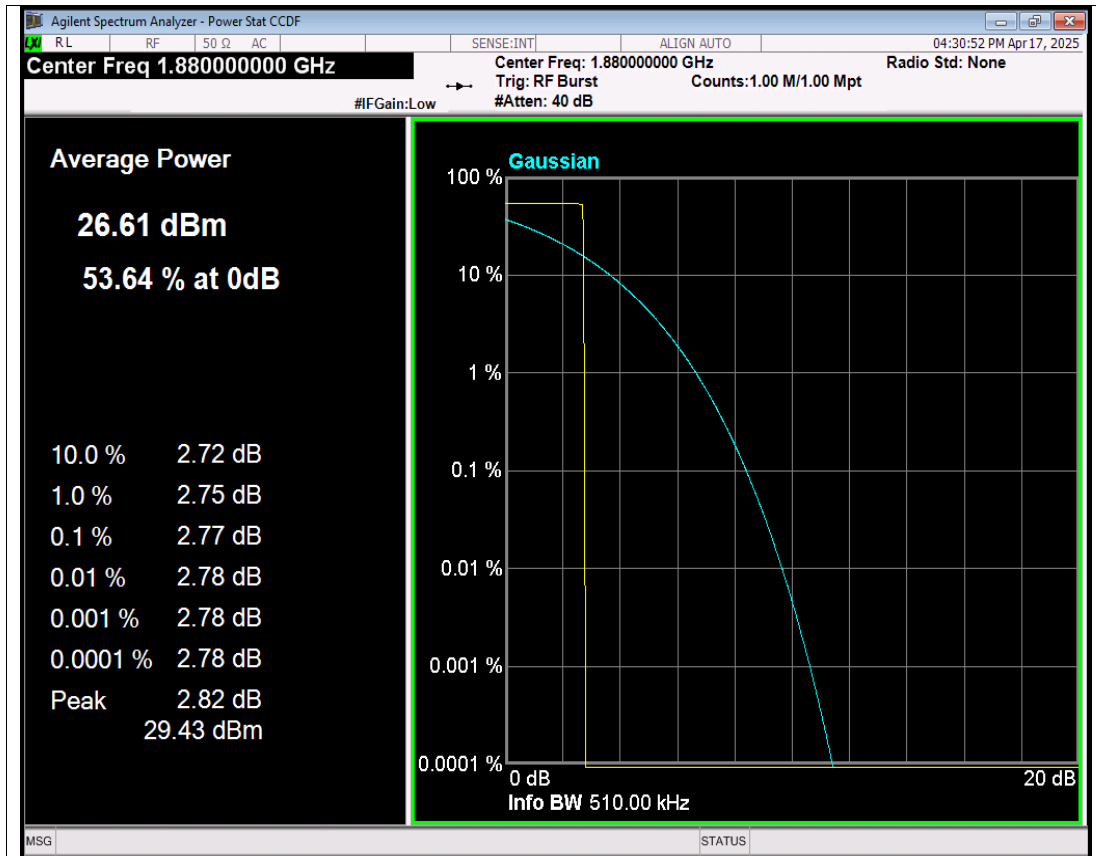
| Band | Channel | Frequency (MHz) | Result (dB) | high Limit (dB) | Verdict |
|-----------|---------|-----------------|-------------|-----------------|---------|
| GSM850 | 128 | 824.2 | 2.61 | 13.00 | PASS |
| GSM850 | 190 | 836.6 | 2.61 | 13.00 | PASS |
| GSM850 | 251 | 848.8 | 2.65 | 13.00 | PASS |
| GSM1900 | 512 | 1850.2 | 2.62 | 13.00 | PASS |
| GSM1900 | 661 | 1880 | 2.77 | 13.00 | PASS |
| GSM1900 | 810 | 1909.8 | 4.85 | 13.00 | PASS |
| GPRS850 | 128 | 824.2 | 2.65 | 13.00 | PASS |
| GPRS850 | 190 | 836.6 | 2.67 | 13.00 | PASS |
| GPRS850 | 251 | 848.8 | 2.66 | 13.00 | PASS |
| GPRS1900 | 512 | 1850.2 | 2.66 | 13.00 | PASS |
| GPRS1900 | 661 | 1880 | 2.66 | 13.00 | PASS |
| GPRS1900 | 810 | 1909.8 | 3.52 | 13.00 | PASS |
| EGPRS850 | 128 | 824.2 | 9.18 | 13.00 | PASS |
| EGPRS850 | 190 | 836.6 | 8.13 | 13.00 | PASS |
| EGPRS850 | 251 | 848.8 | 9.17 | 13.00 | PASS |
| EGPRS1900 | 512 | 1850.2 | 5.45 | 13.00 | PASS |
| EGPRS1900 | 661 | 1880 | 5.99 | 13.00 | PASS |
| EGPRS1900 | 810 | 1909.8 | 6.08 | 13.00 | PASS |



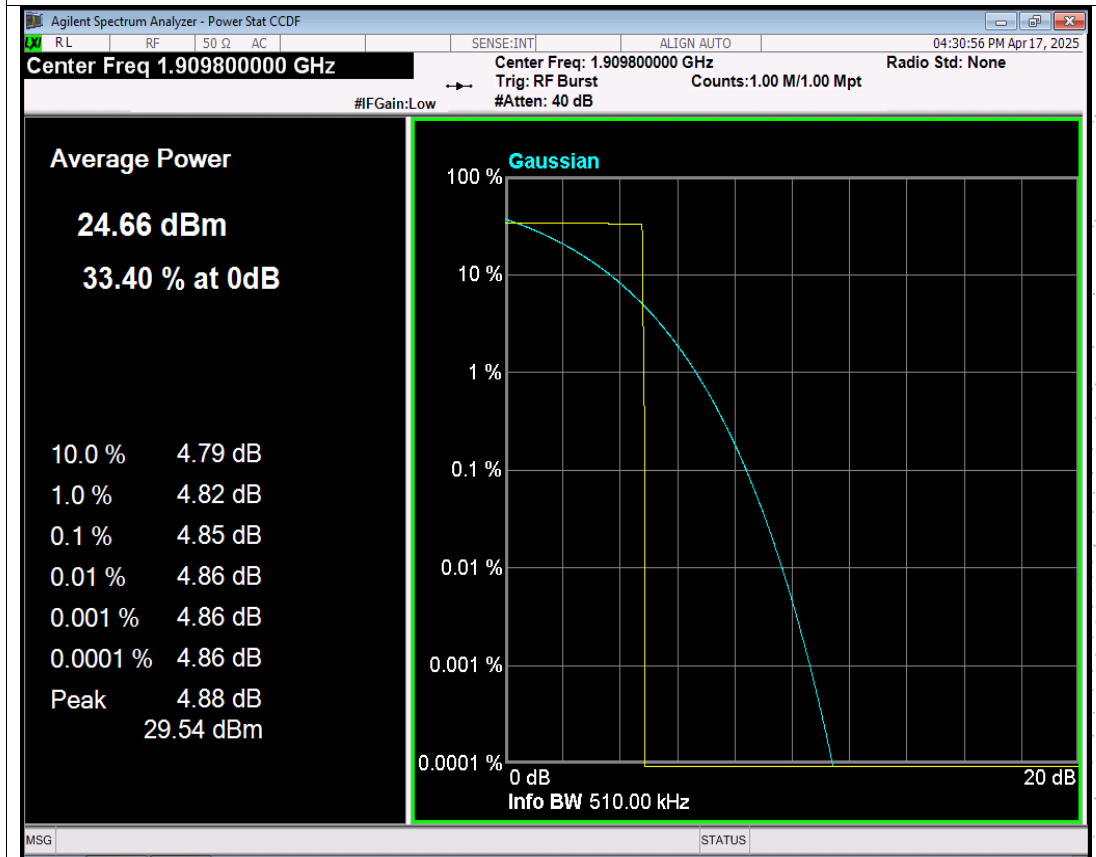

GSM850 Channel=128 NVNT




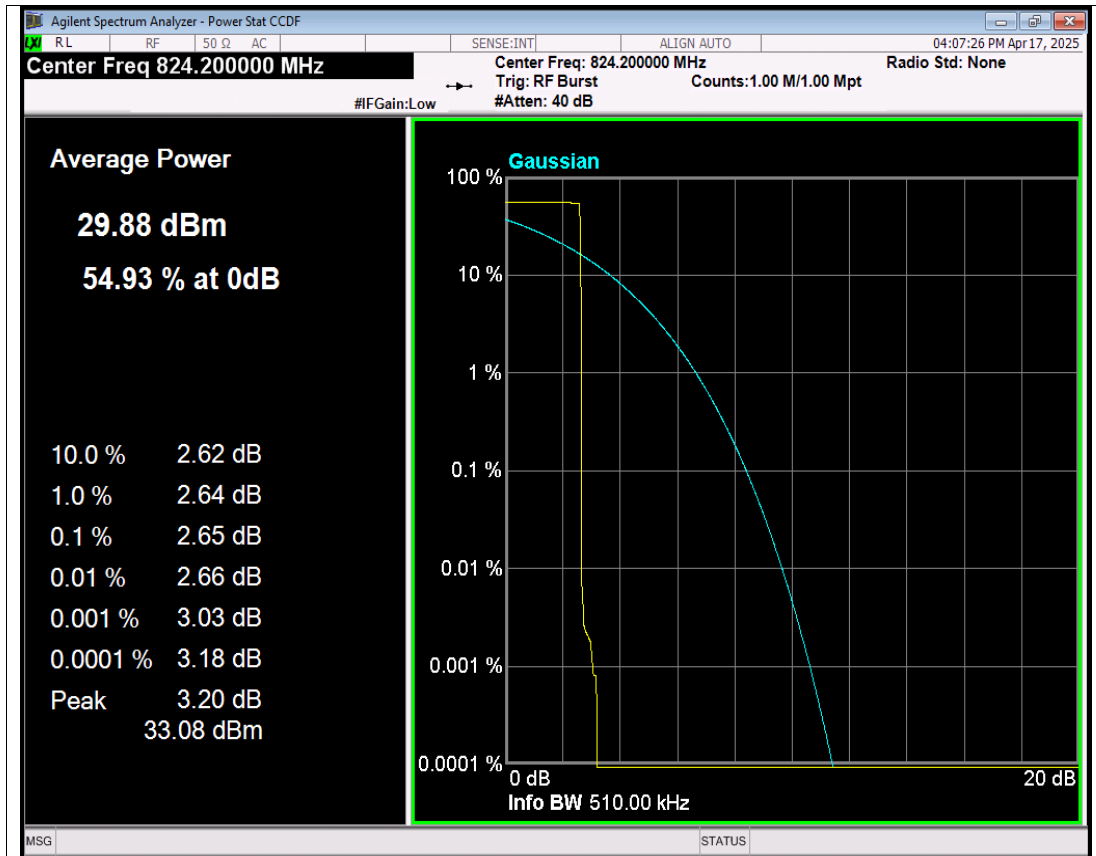
GSM1900 Channel=512 NVNT



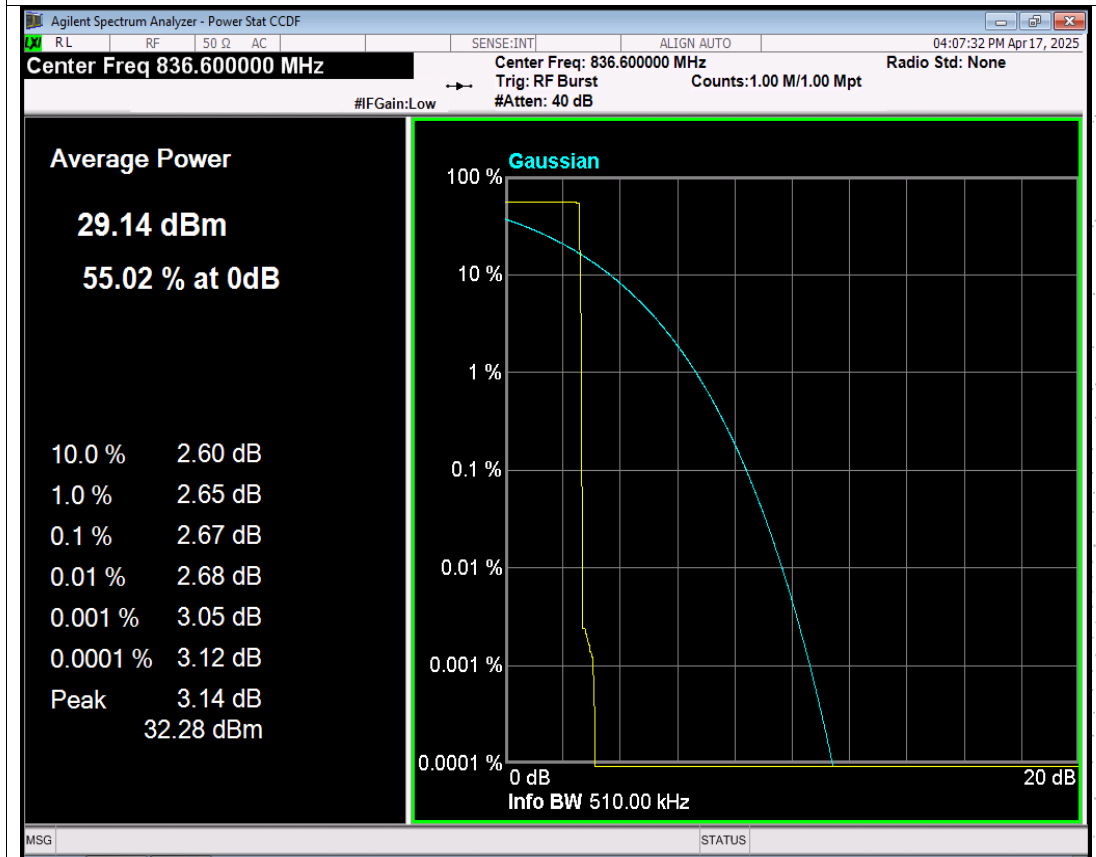
GSM1900 Channel=661 NVNT



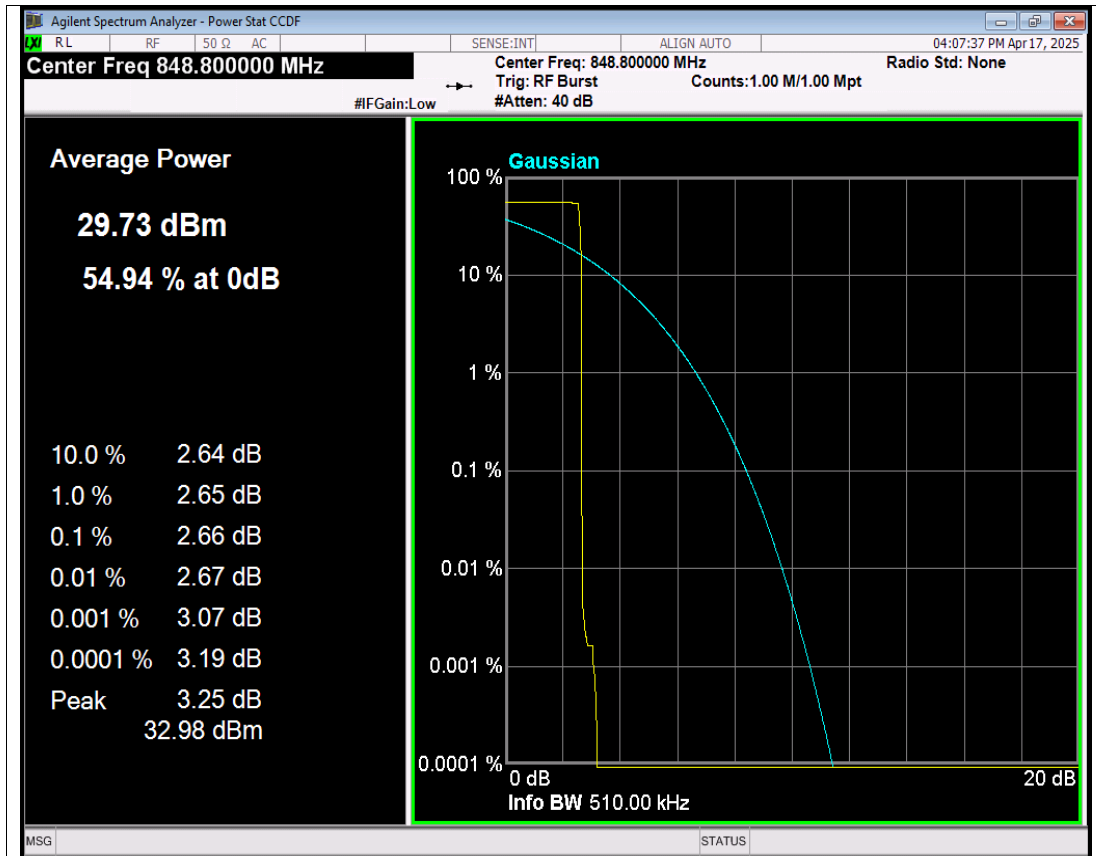
GSM1900 Channel=810 NVNT



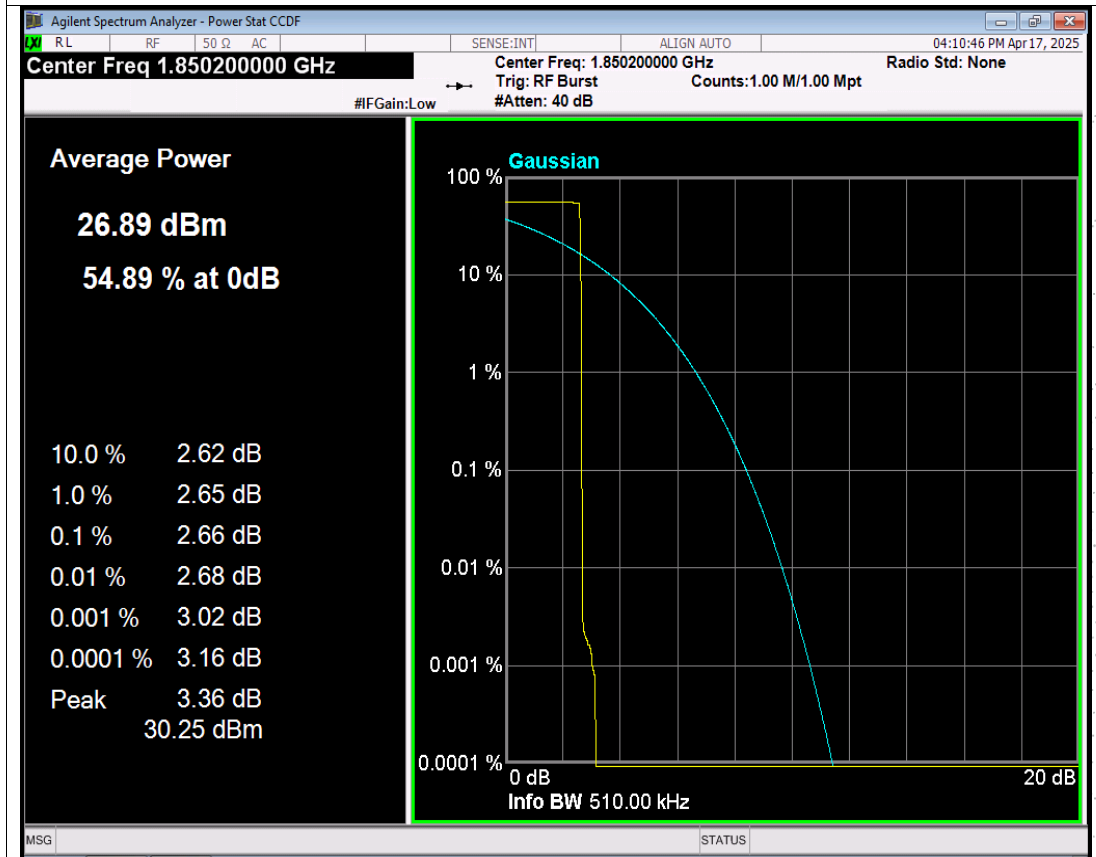
GPRS850 Channel=128 NVNT



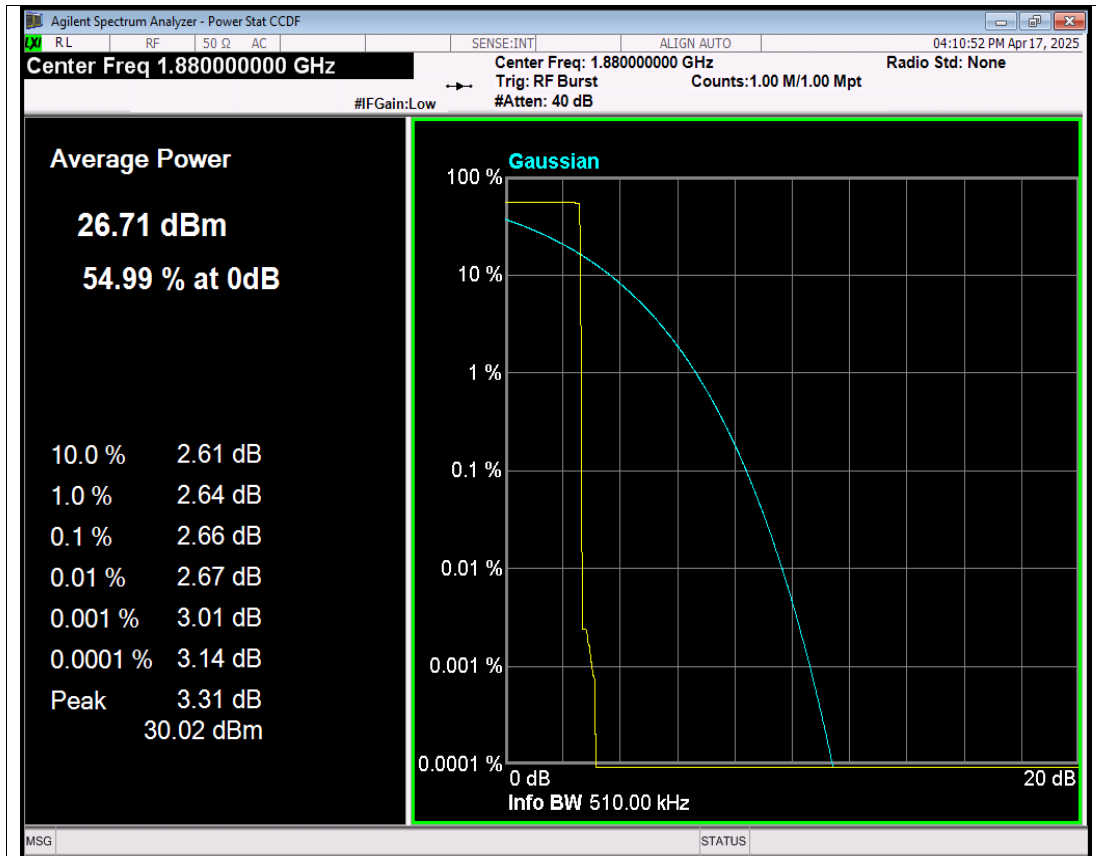
GPRS850 Channel=190 NVNT



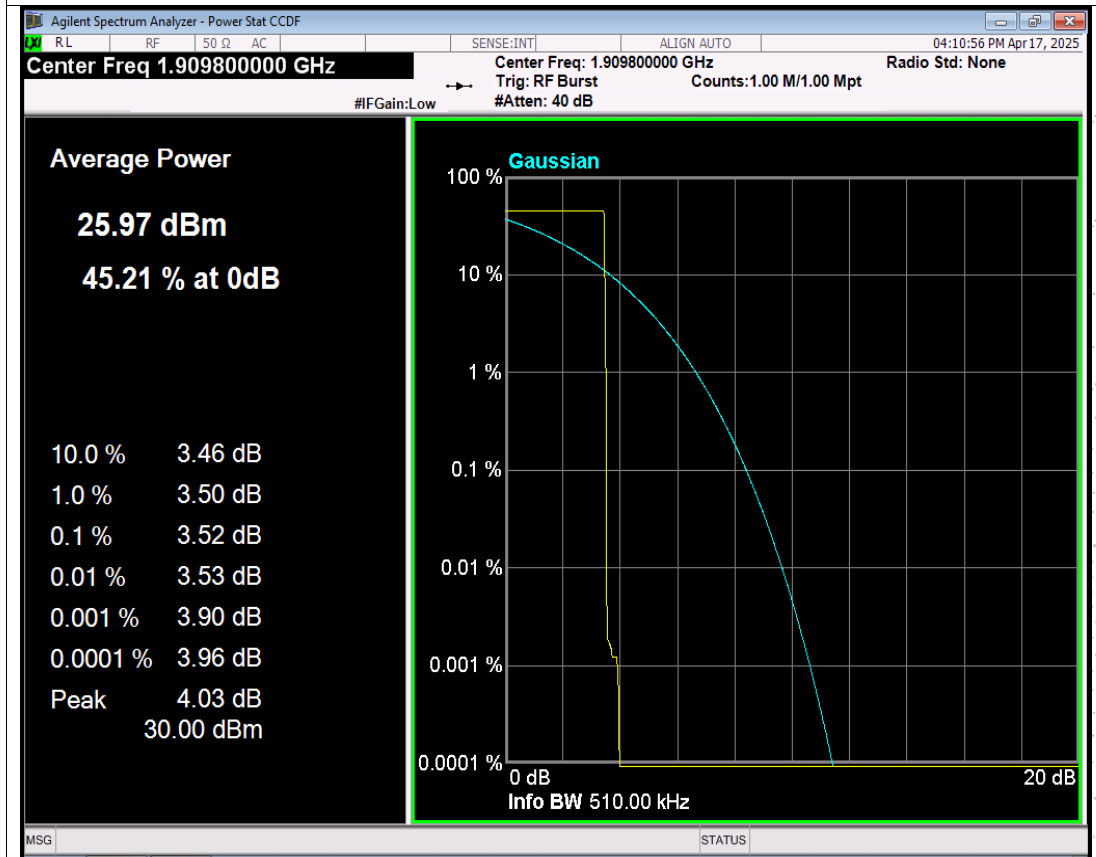
GPRS850 Channel=251 NVNT



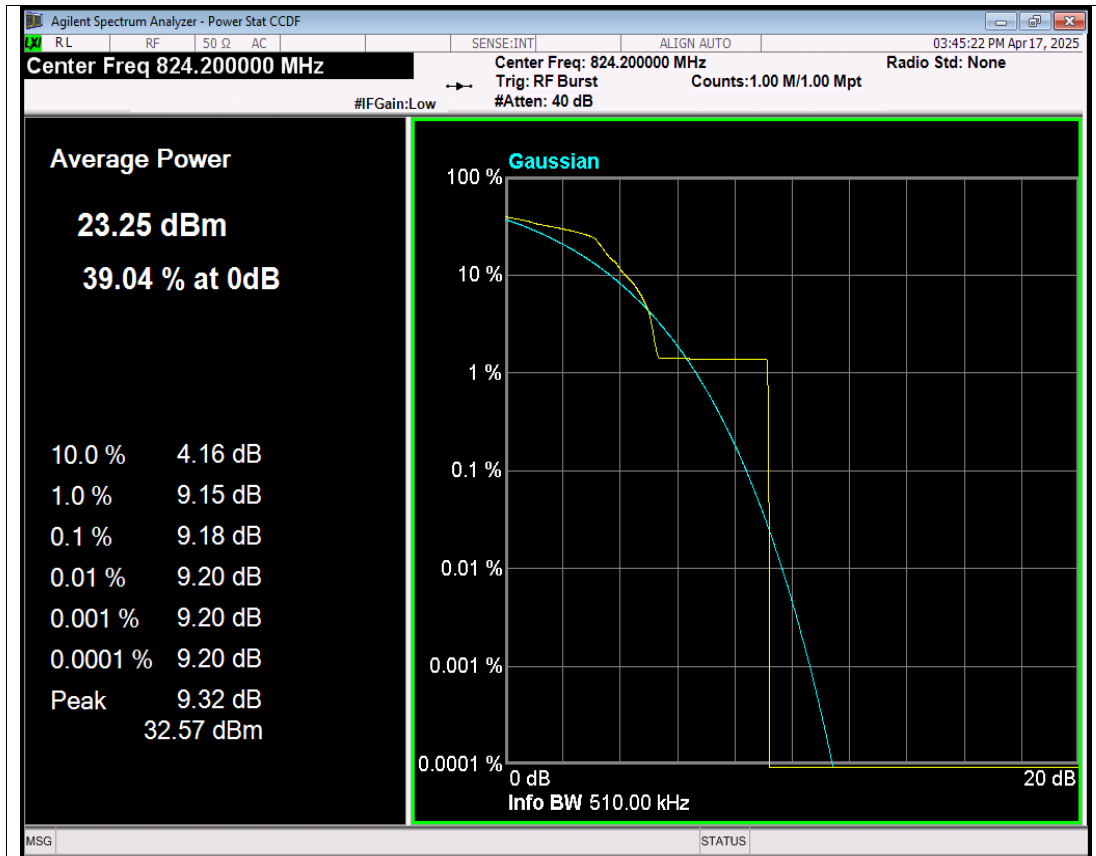
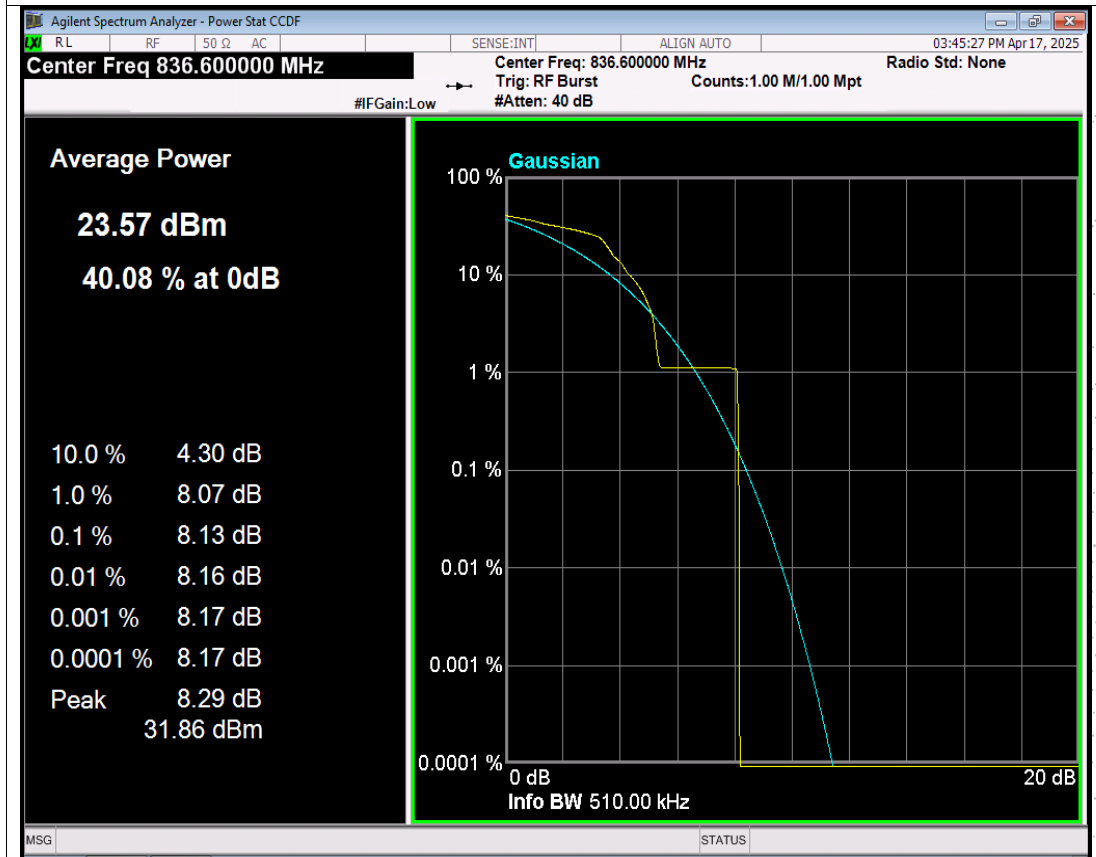
GPRS1900 Channel=512 NVNT

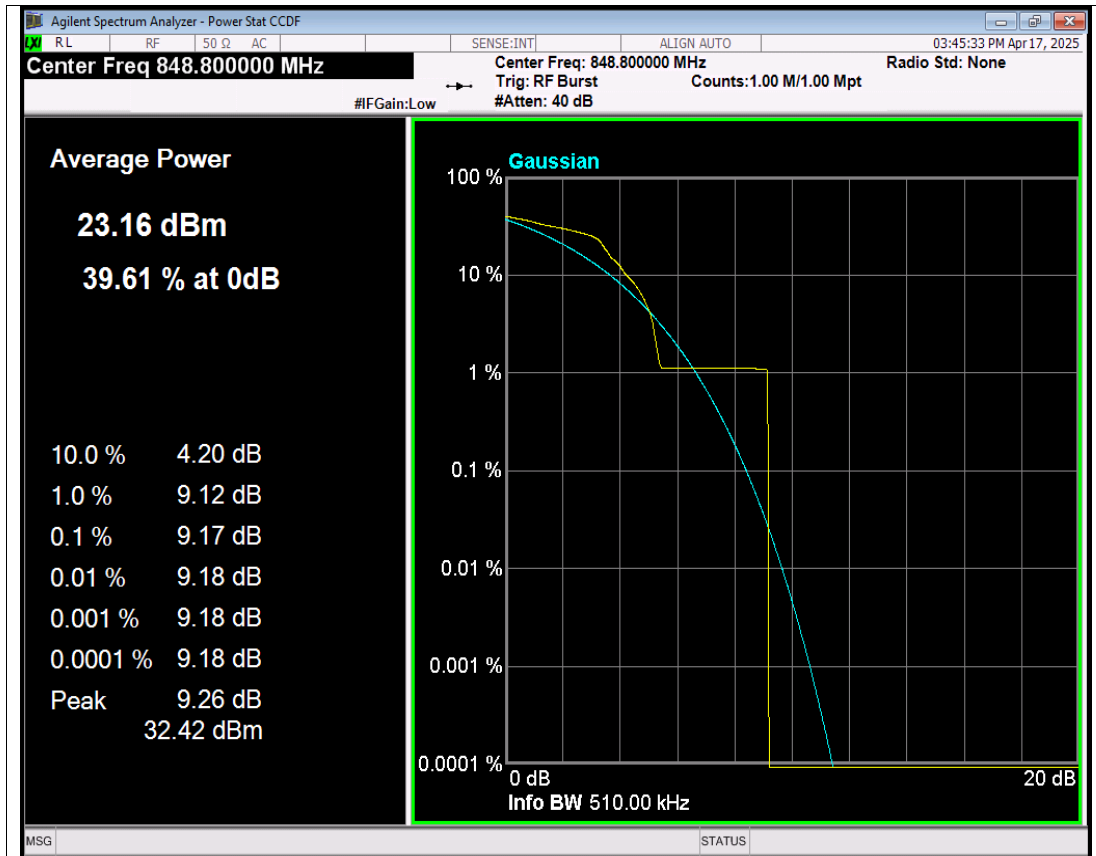
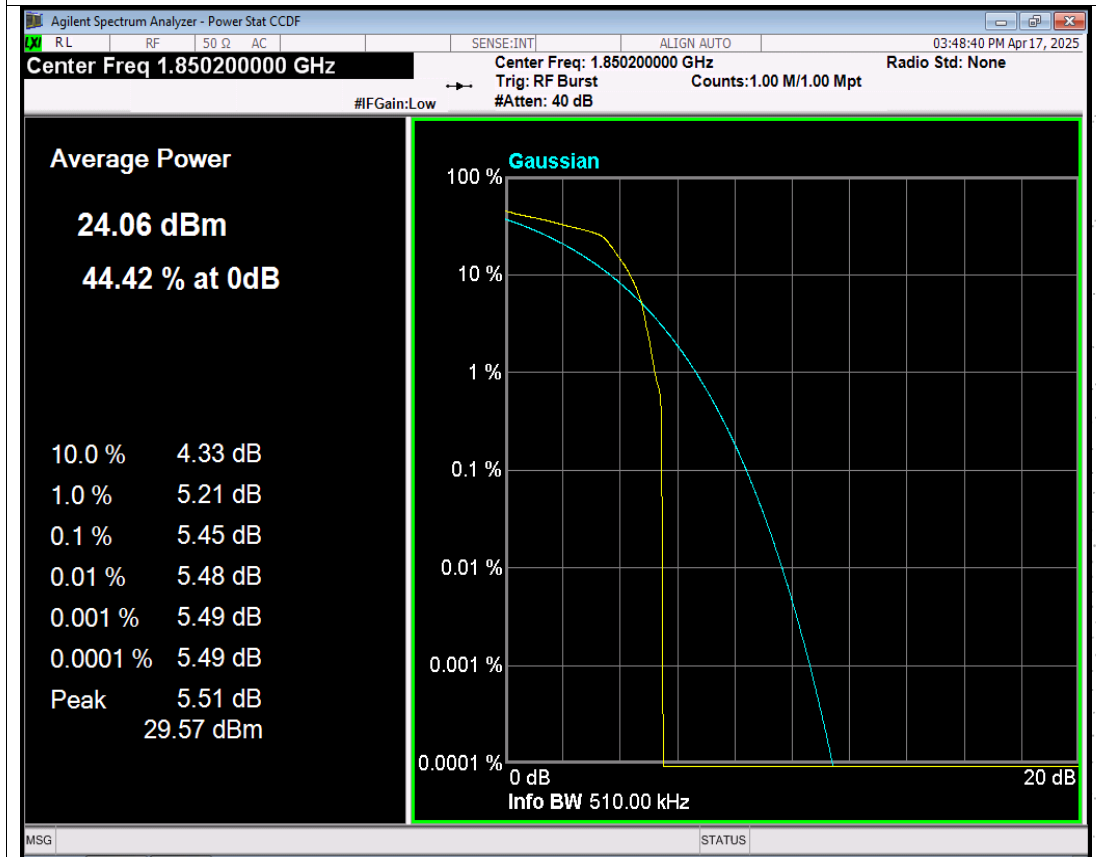


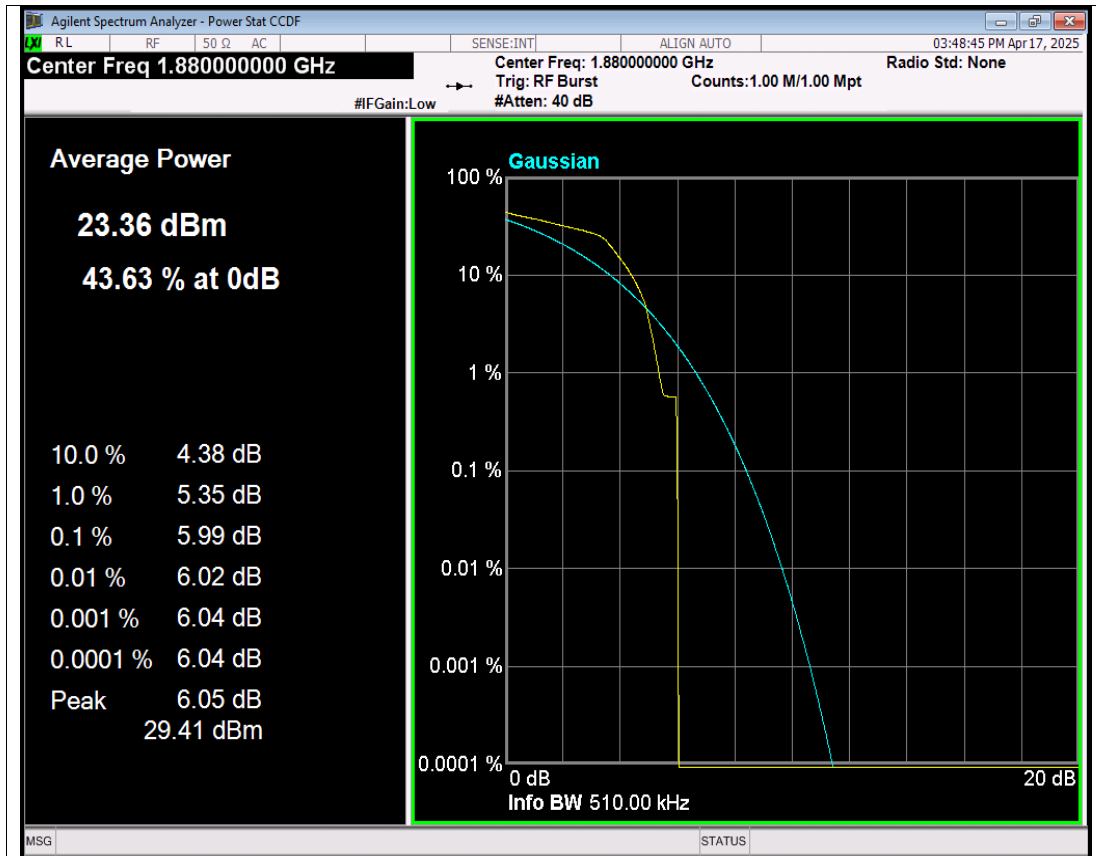
GPRS1900 Channel=661 NVNT



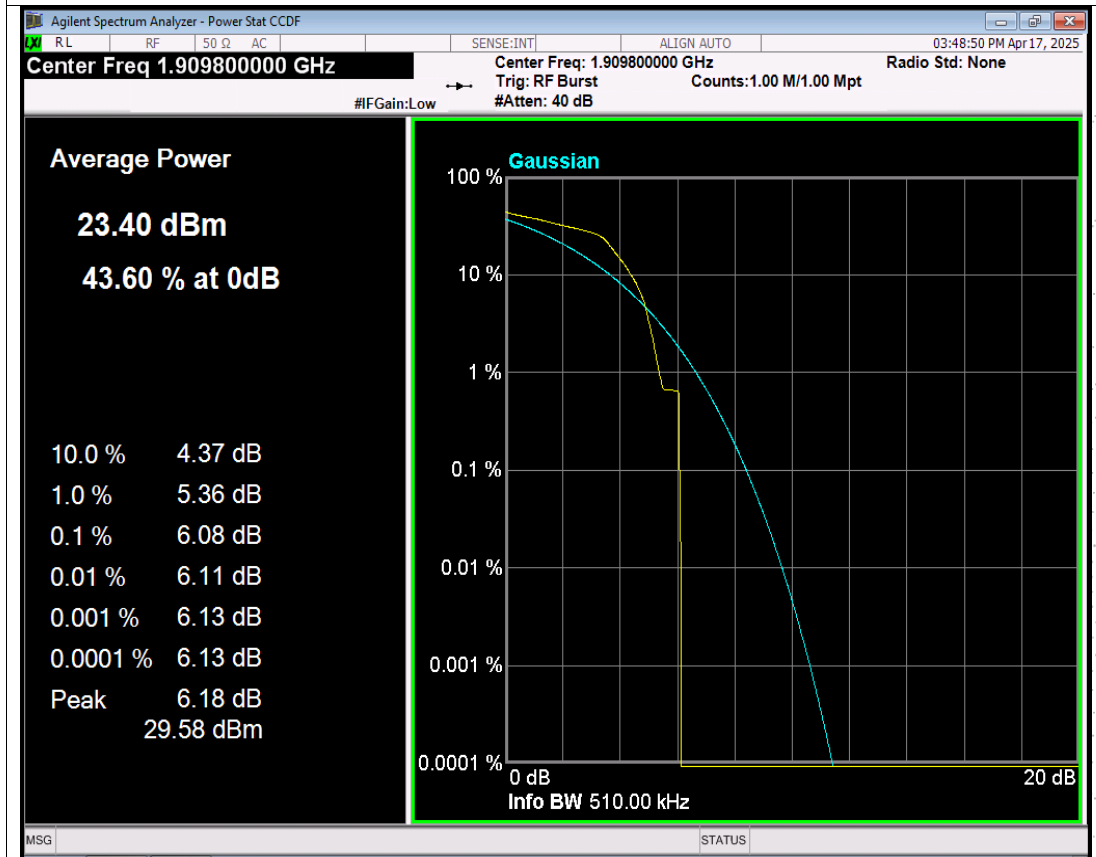
GPRS1900 Channel=810 NVNT


EGPRS850 Channel=128 NVNT

EGPRS850 Channel=190 NVNT


EGPRS850 Channel=251 NVNT

EGPRS1900 Channel=512 NVNT



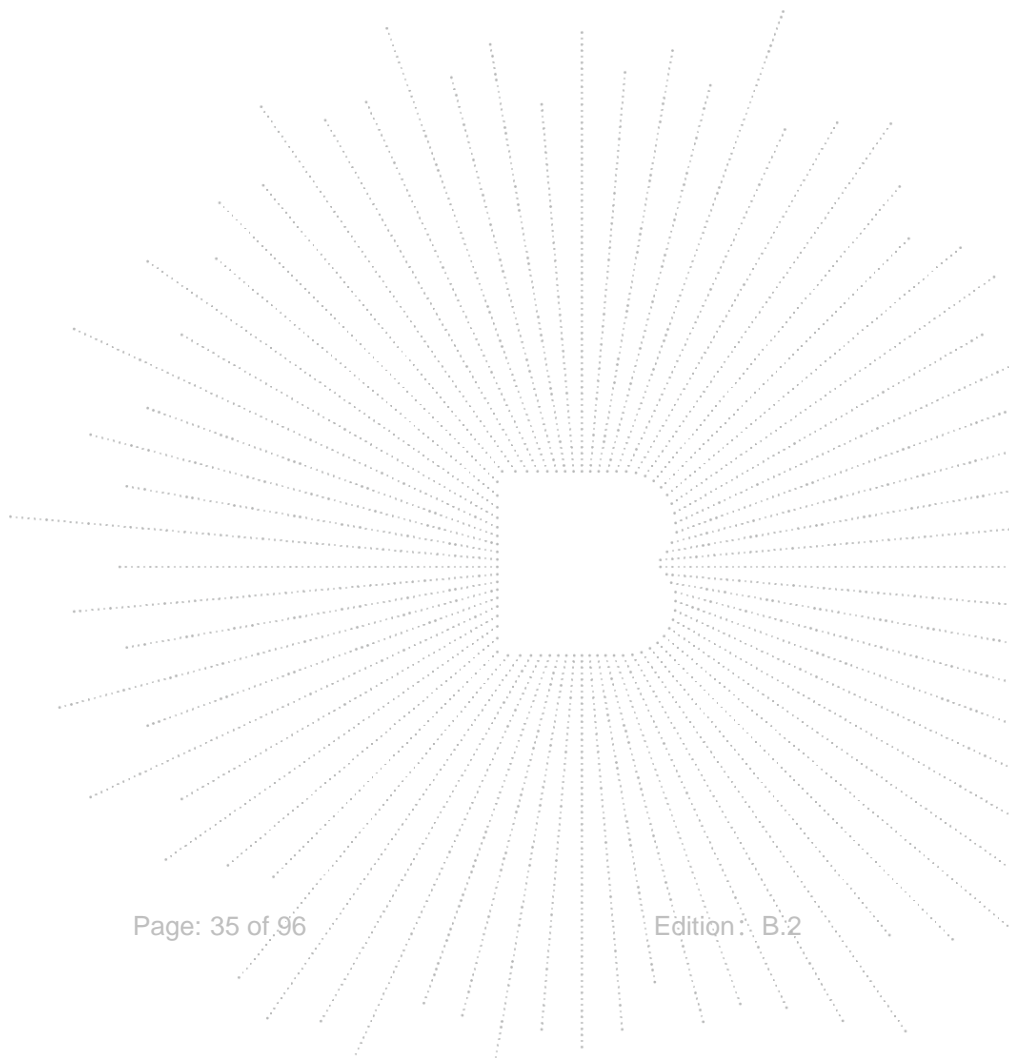
EGPRS1900 Channel=661 NVNT

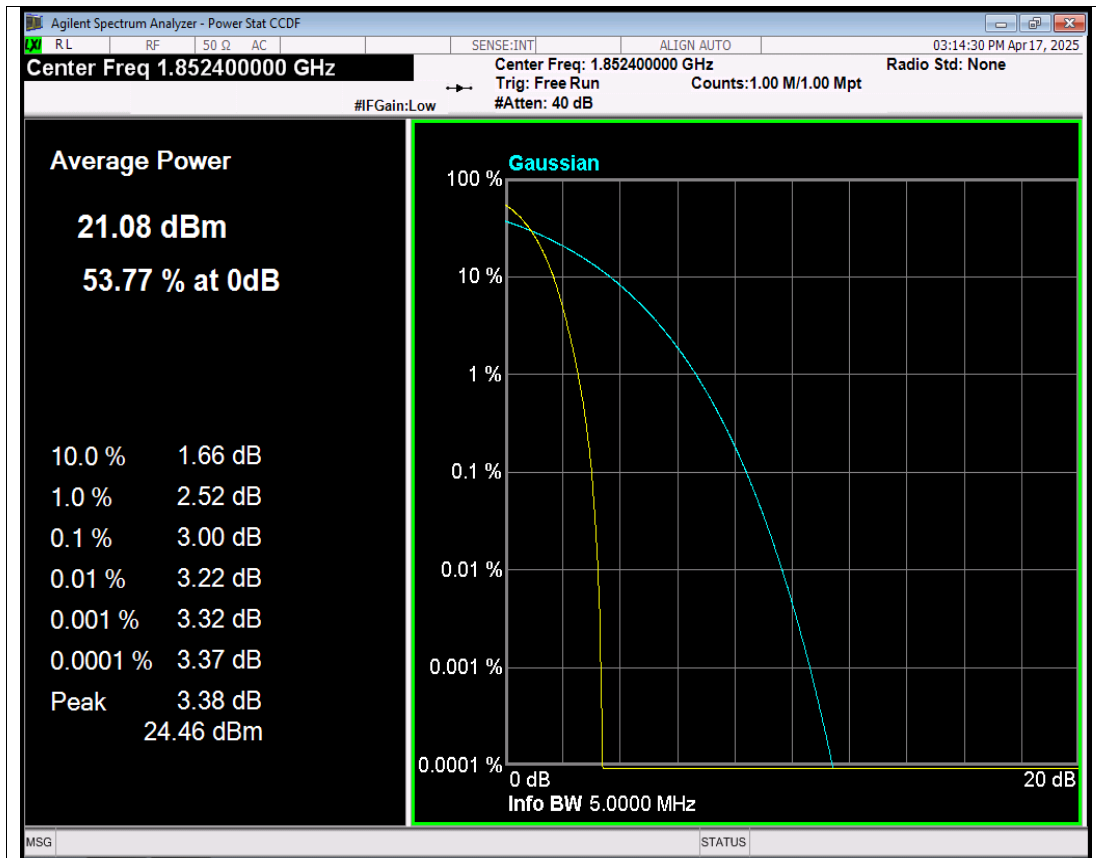
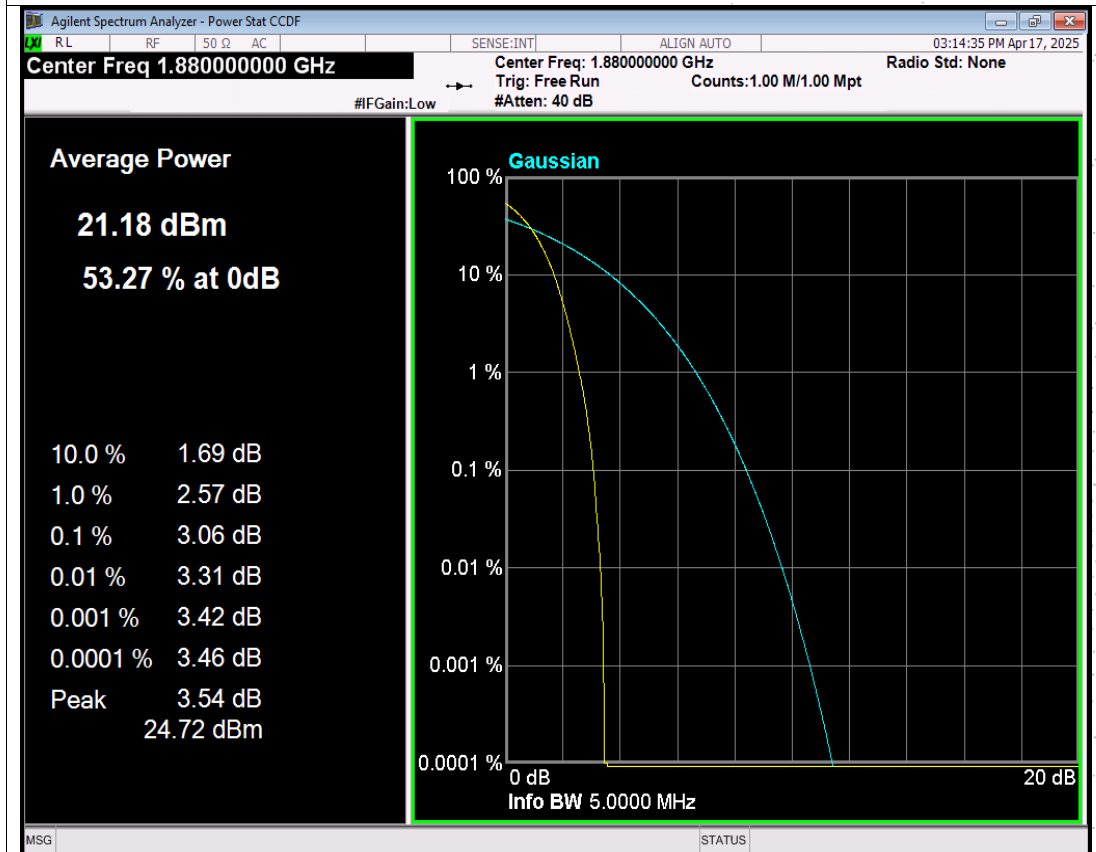


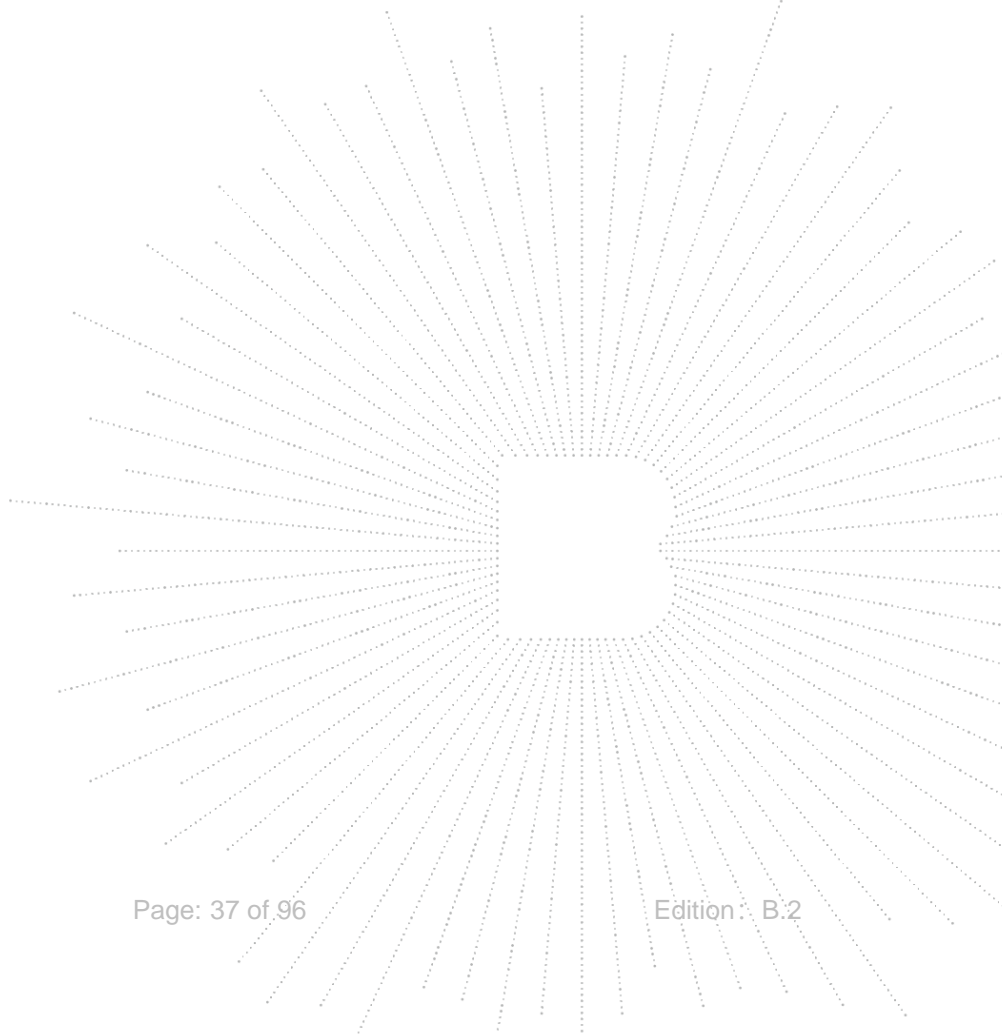
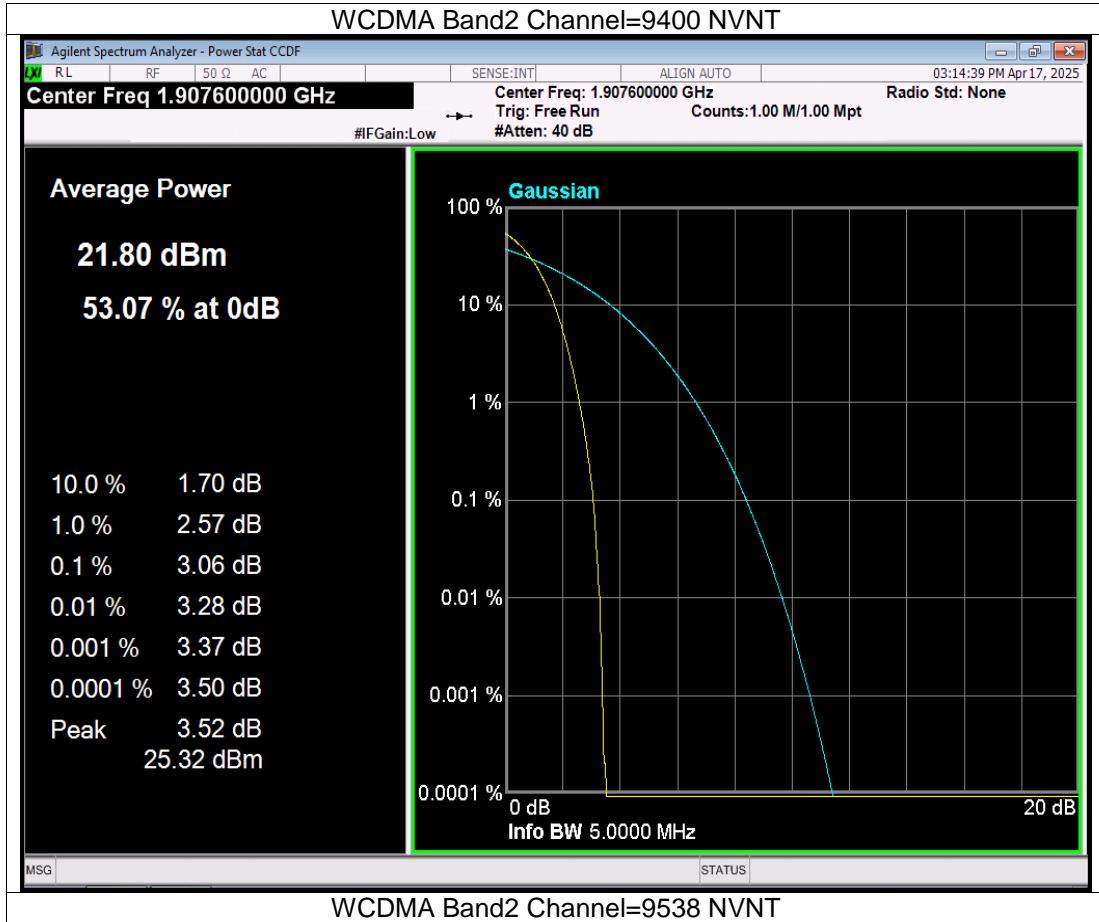
EGPRS1900 Channel=810 NVNT

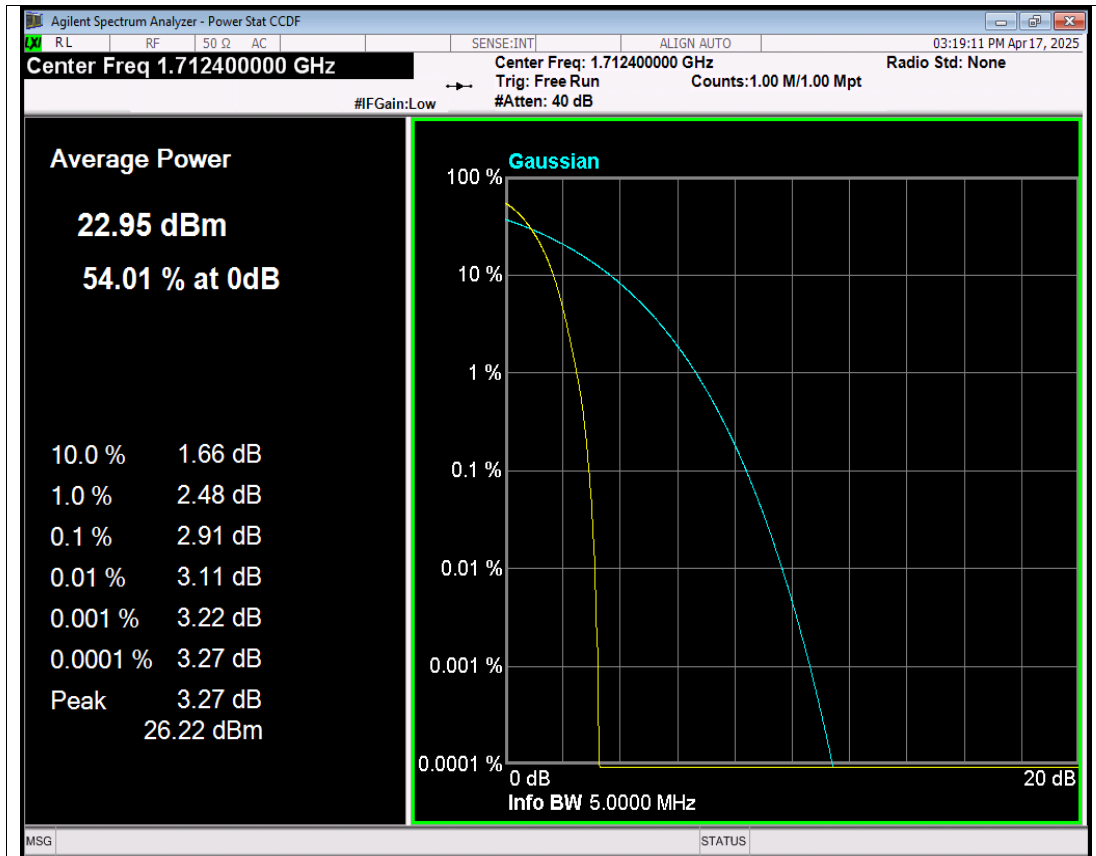
| Band | Channel | Frequency (MHz) | Result (dB) | high Limit (dB) | Verdict |
|-------------|---------|-----------------|-------------|-----------------|---------|
| WCDMA Band2 | 9262 | 1852.4 | 3.00 | 13 | PASS |
| WCDMA Band2 | 9400 | 1880 | 3.06 | 13 | PASS |
| WCDMA Band2 | 9538 | 1907.6 | 3.06 | 13 | PASS |
| WCDMA Band4 | 1312 | 1712.4 | 2.91 | 13 | PASS |
| WCDMA Band4 | 1450 | 1740 | 2.81 | 13 | PASS |
| WCDMA Band4 | 1513 | 1752.6 | 2.48 | 13 | PASS |
| WCDMA Band5 | 4132 | 826.4 | 3.12 | 13 | PASS |
| WCDMA Band5 | 4182 | 836.4 | 2.96 | 13 | PASS |
| WCDMA Band5 | 4233 | 846.6 | 2.55 | 13 | PASS |

Note: In WCDMA, RMC, HSDPA and HSUPA all three tests only reflect the worst mode RMC.

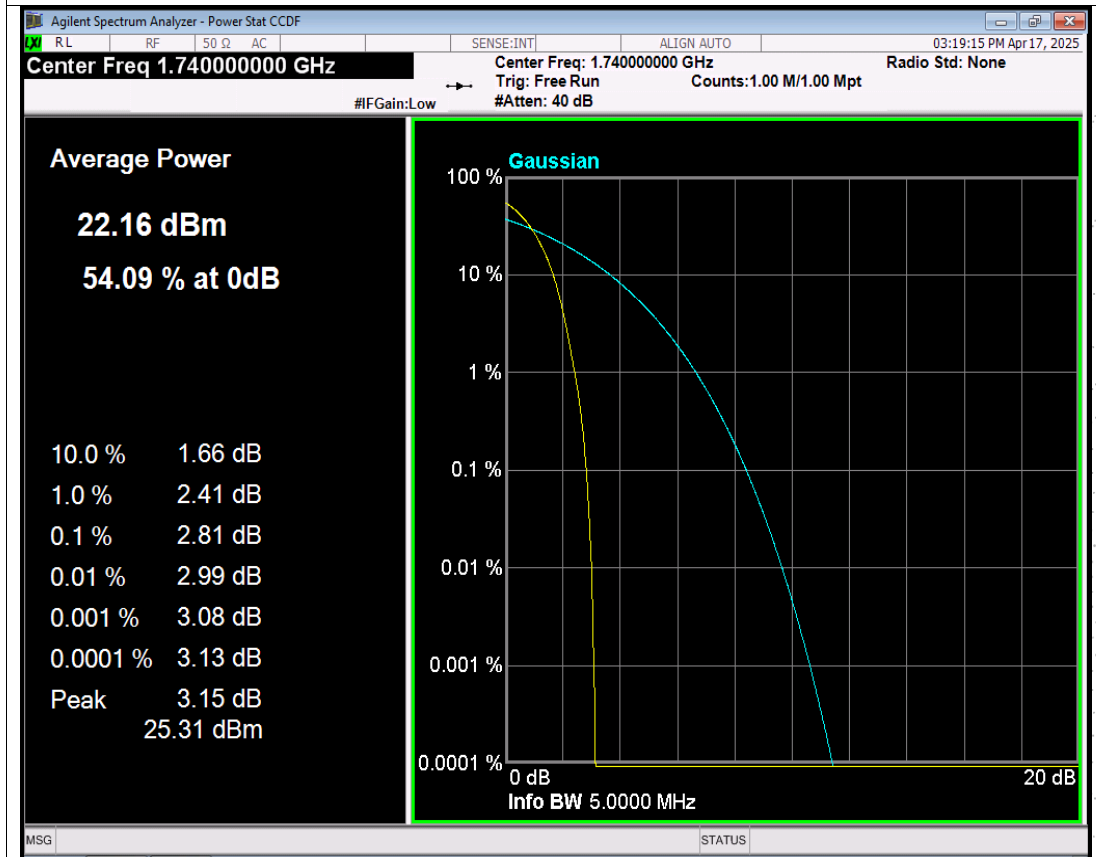



WCDMA Band2 Channel=9262 NVNT


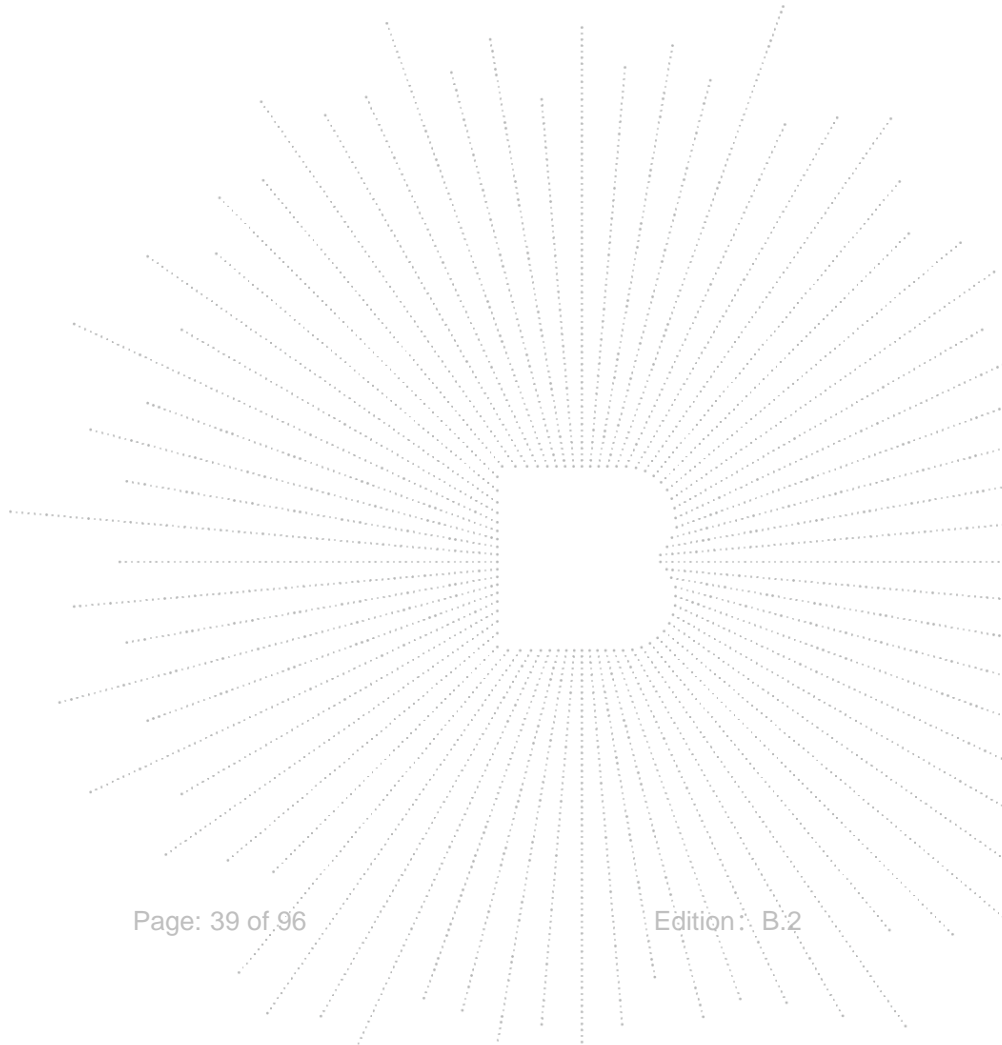
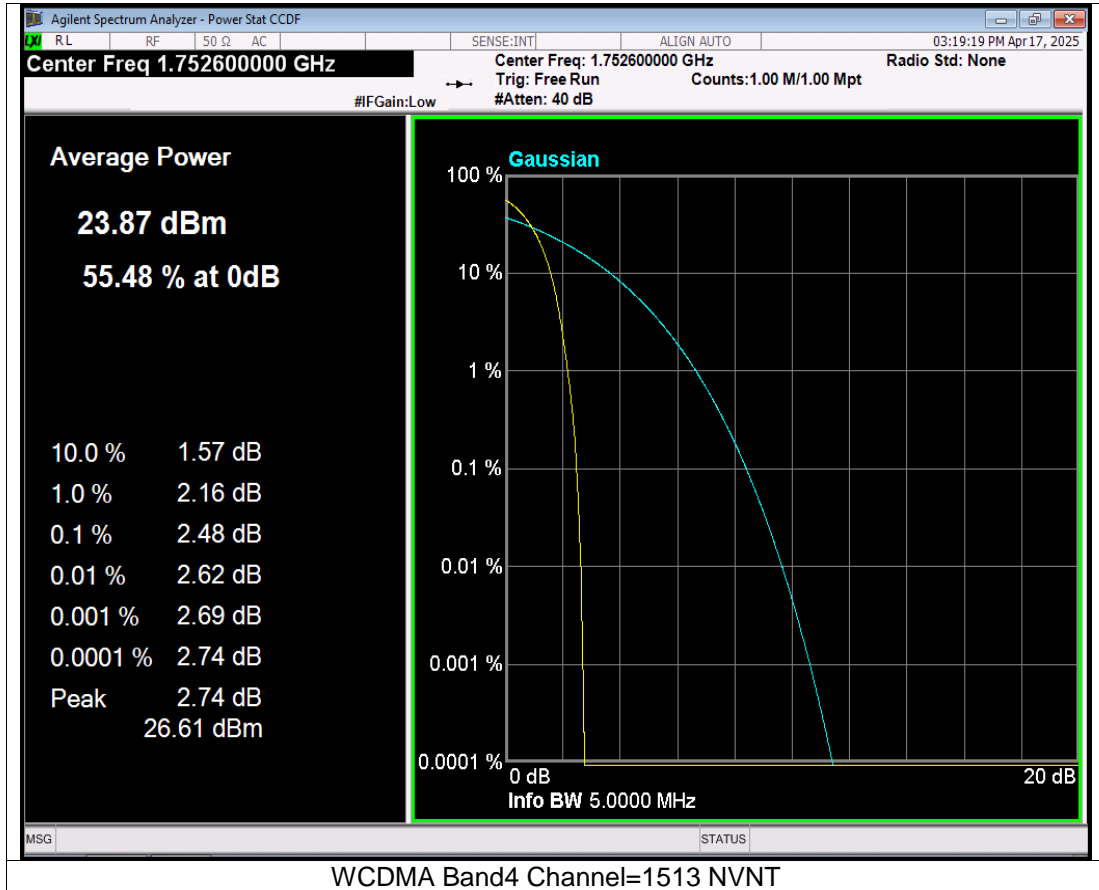


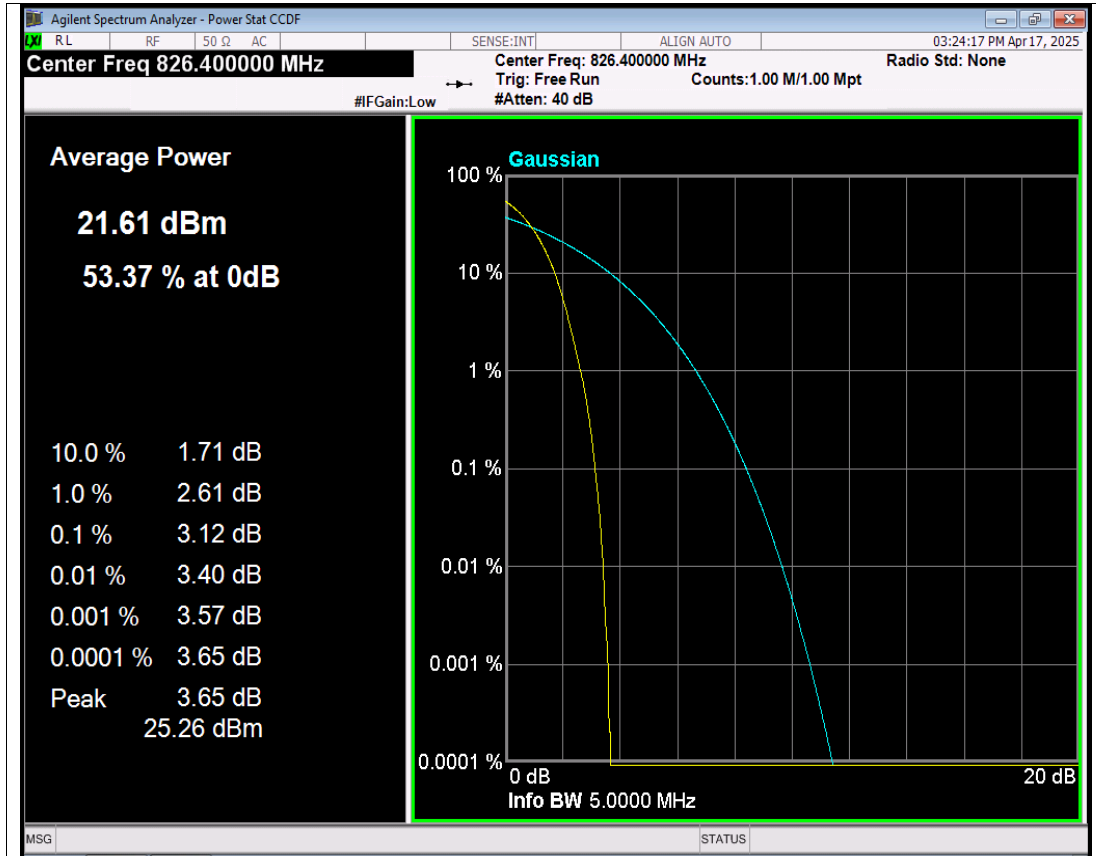


WCDMA Band4 Channel=1312 NVNT

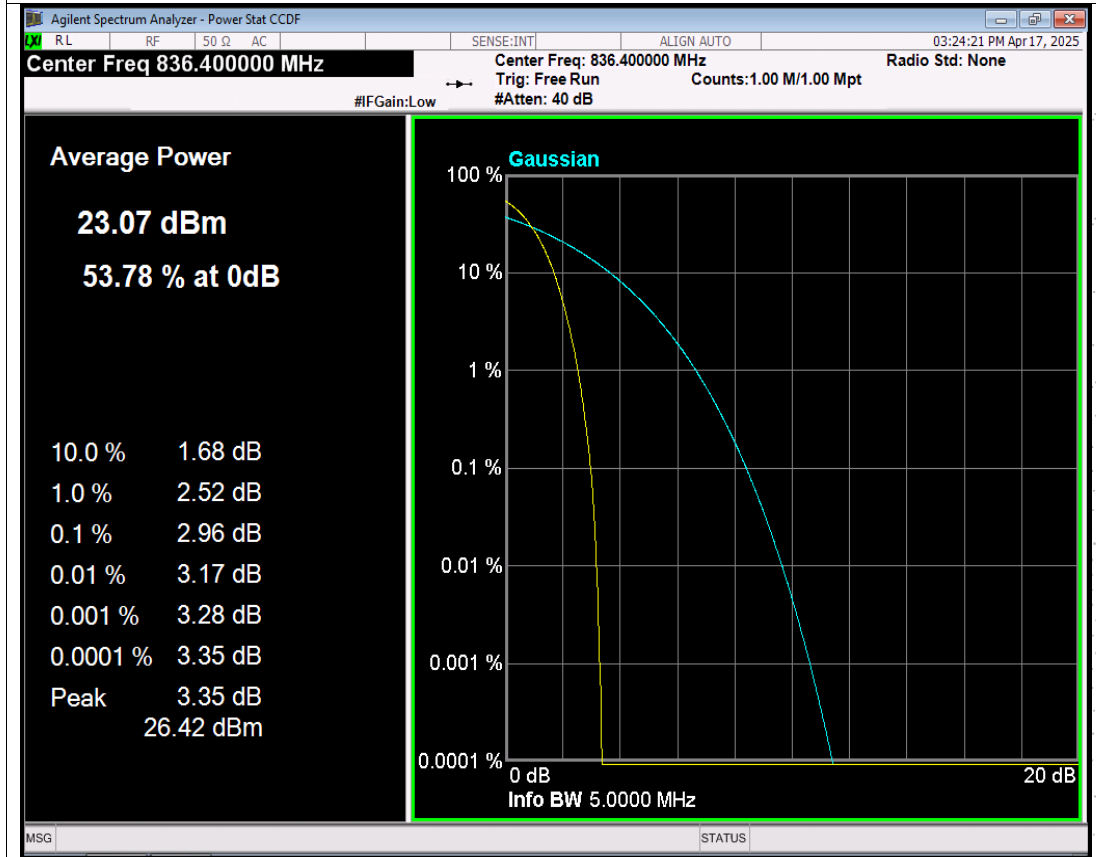


WCDMA Band4 Channel=1450 NVNT

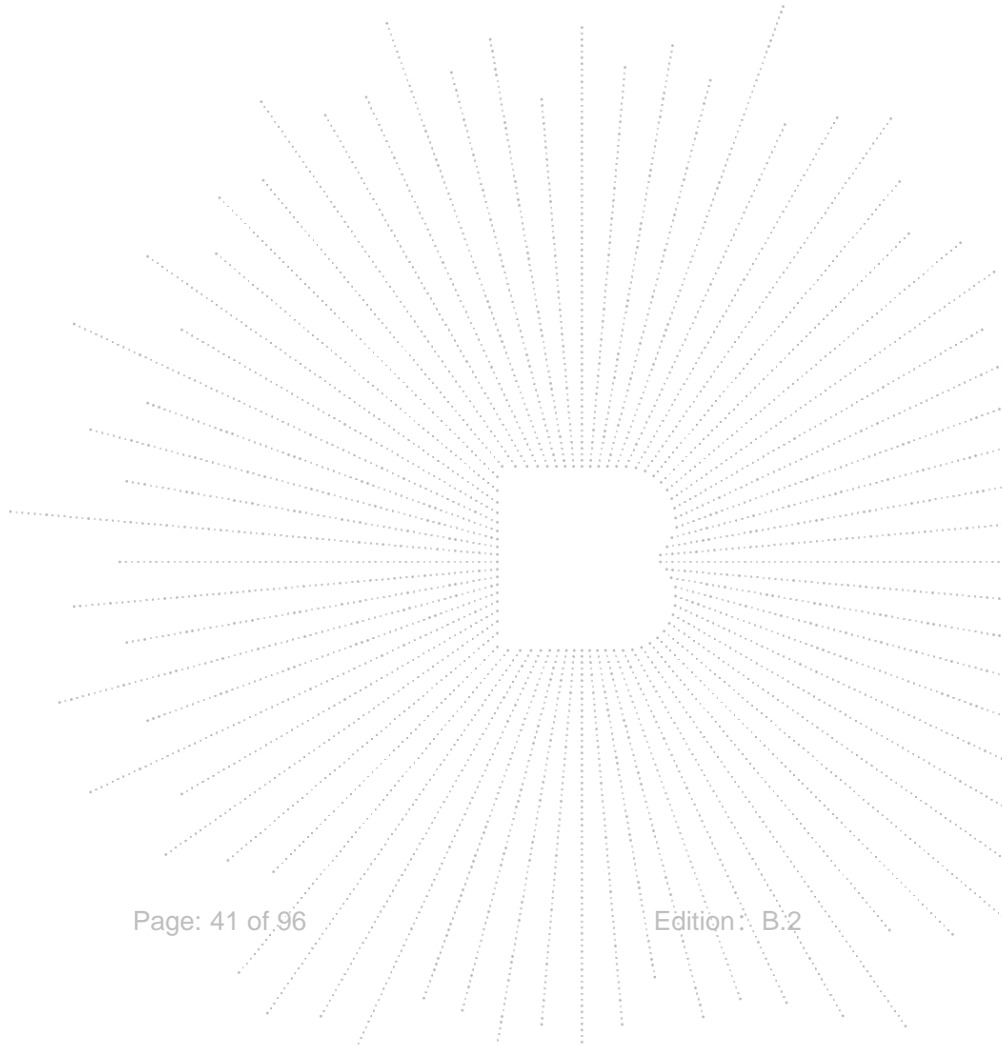
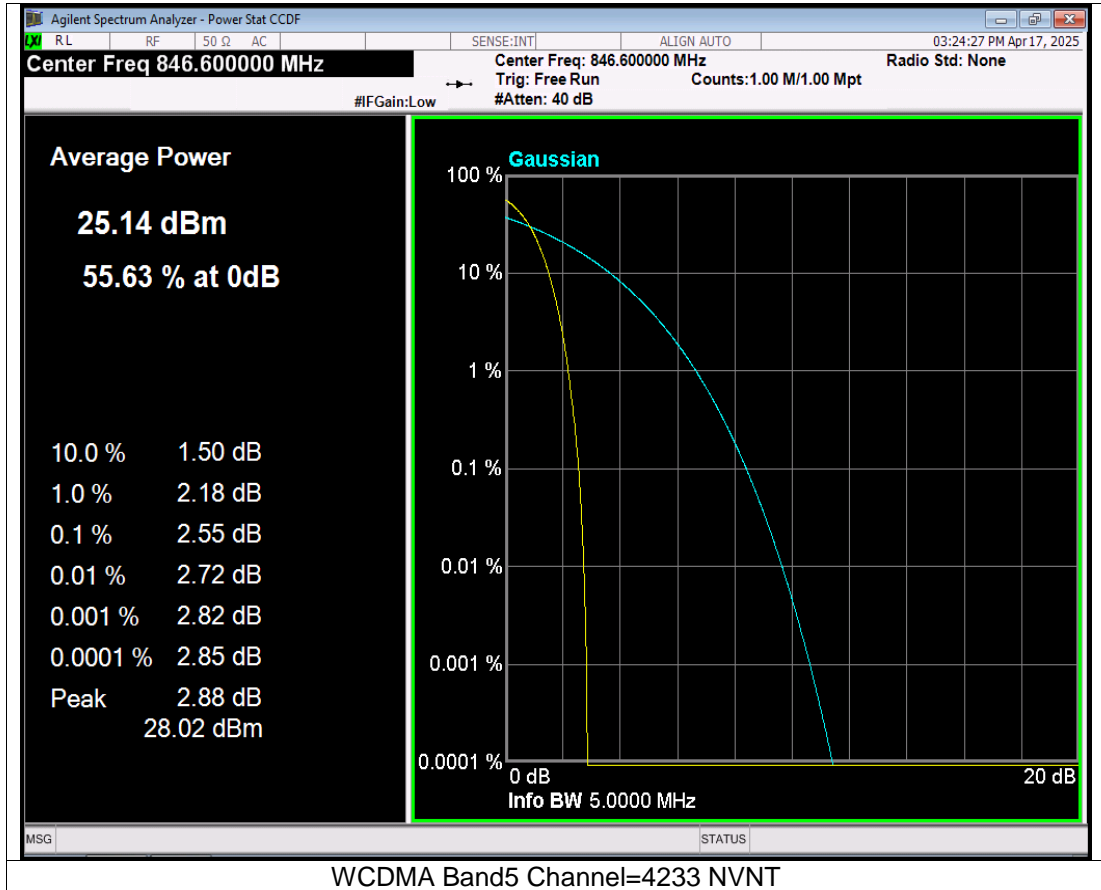




WCDMA Band5 Channel=4132 NVNT

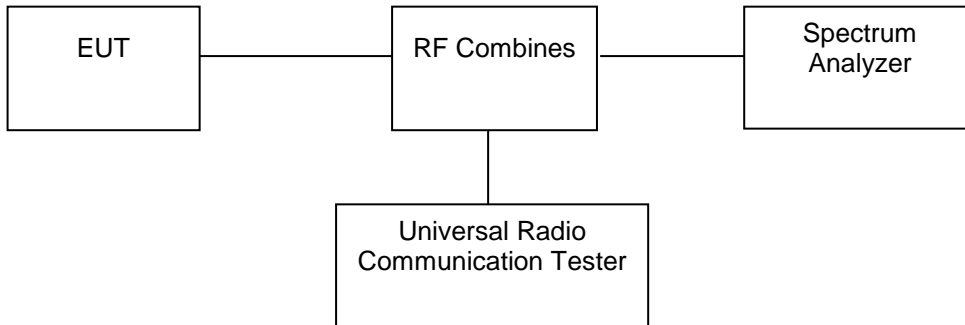


WCDMA Band5 Channel=4182 NVNT



8. Emission Bandwidth

8.1 Block Diagram Of Test Setup



8.2 Limit

According to §22.917(b), The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

According to §24.238(b), The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

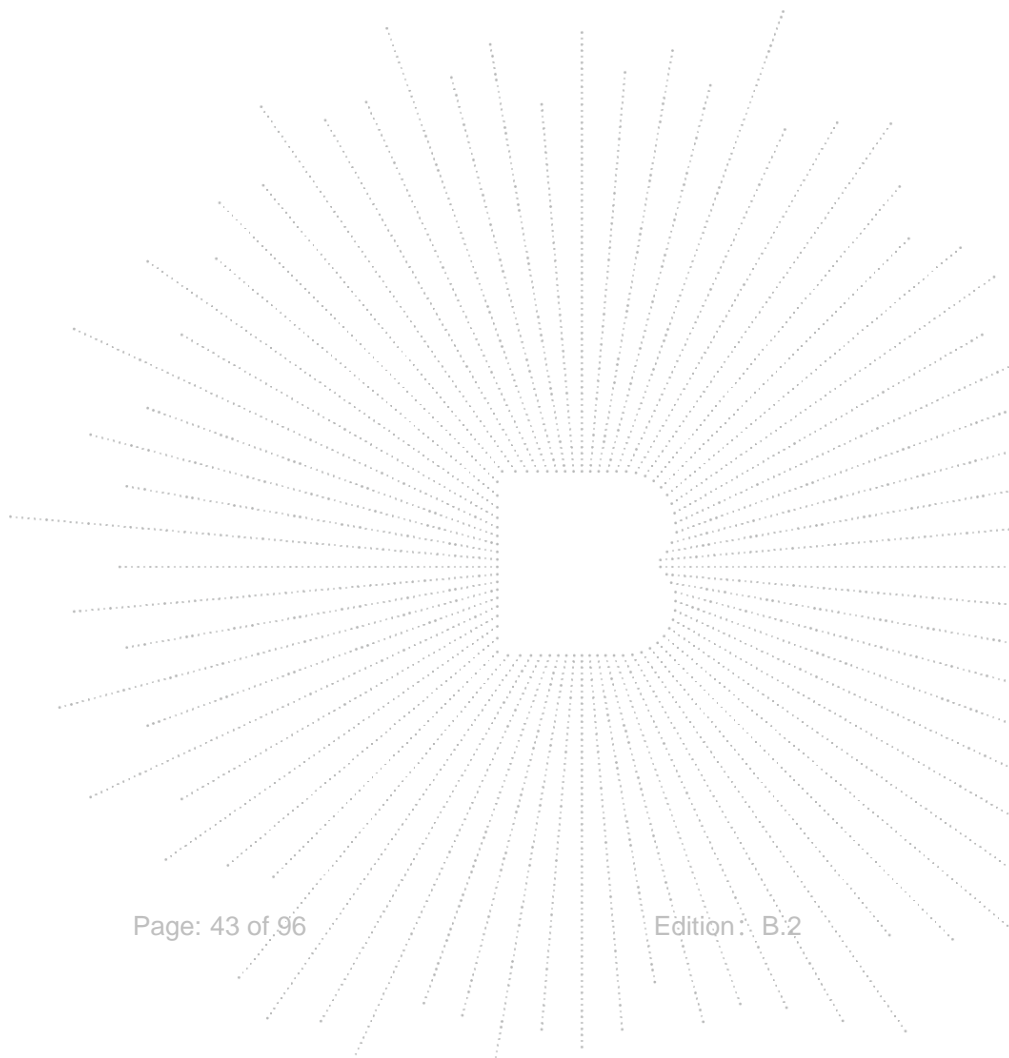
According to §27.53, The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

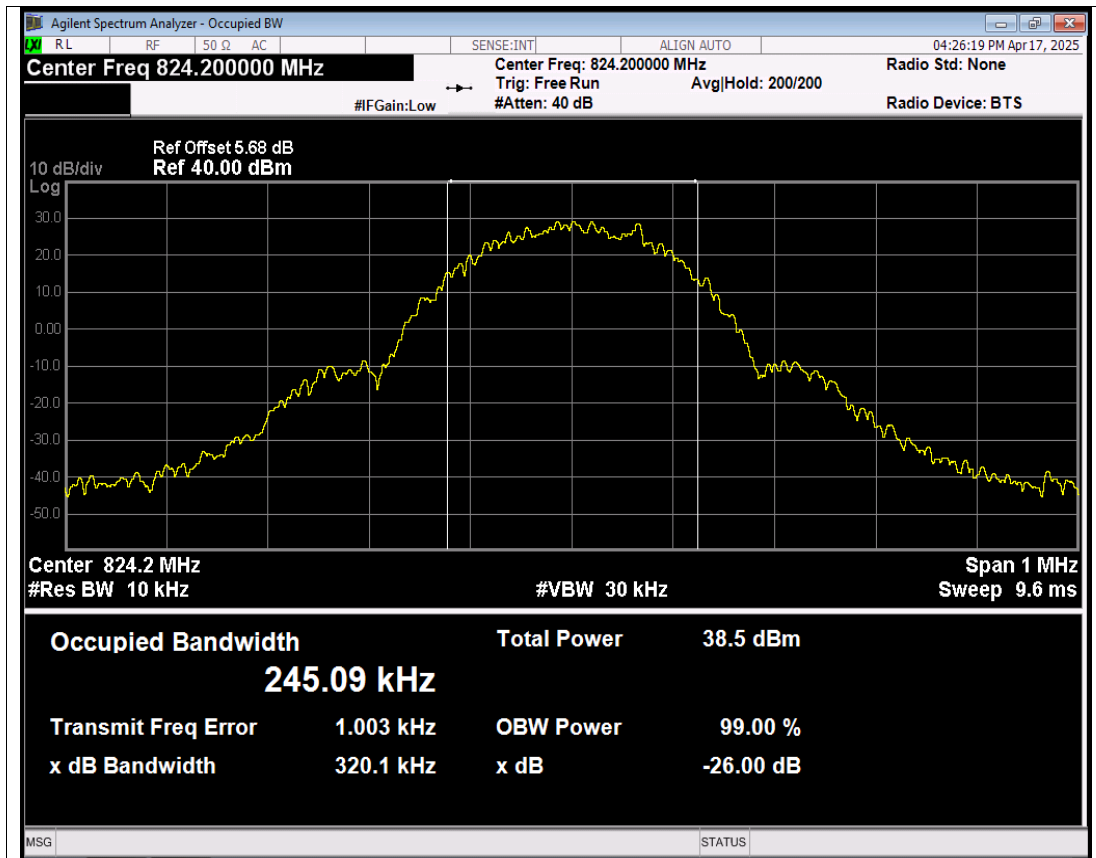
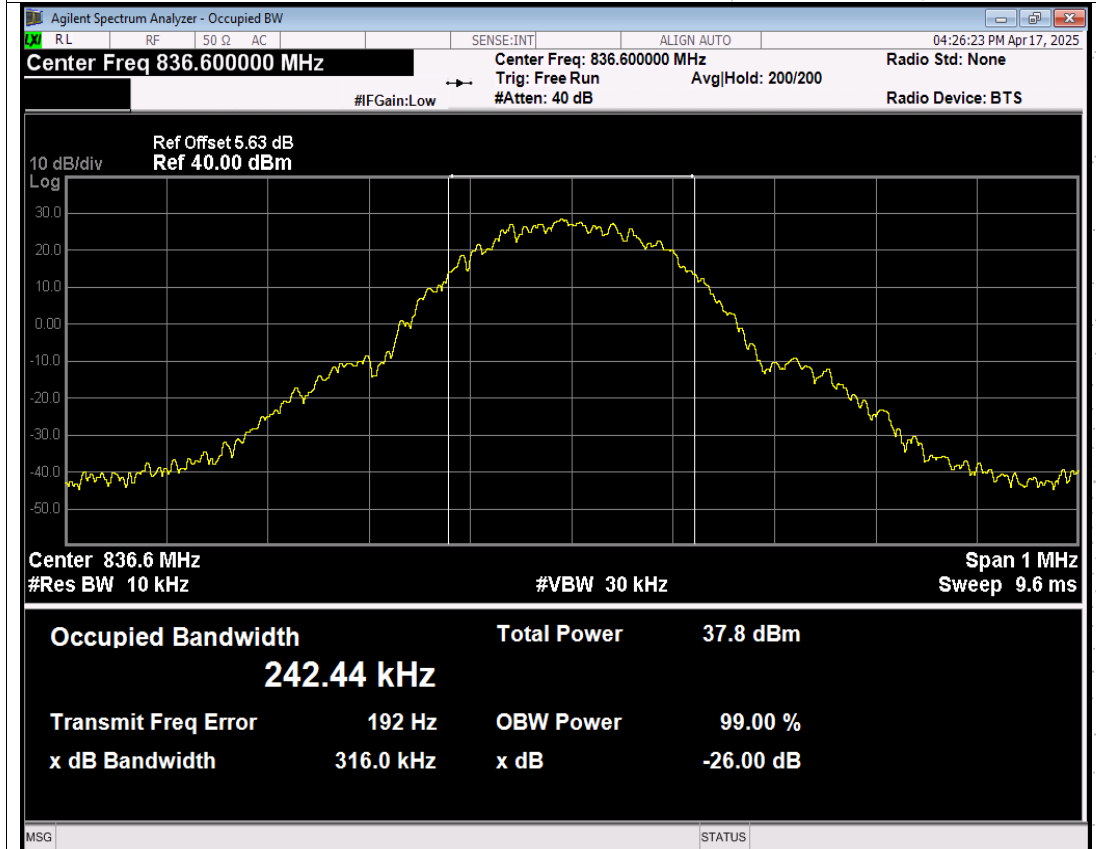
8.3 Test procedure

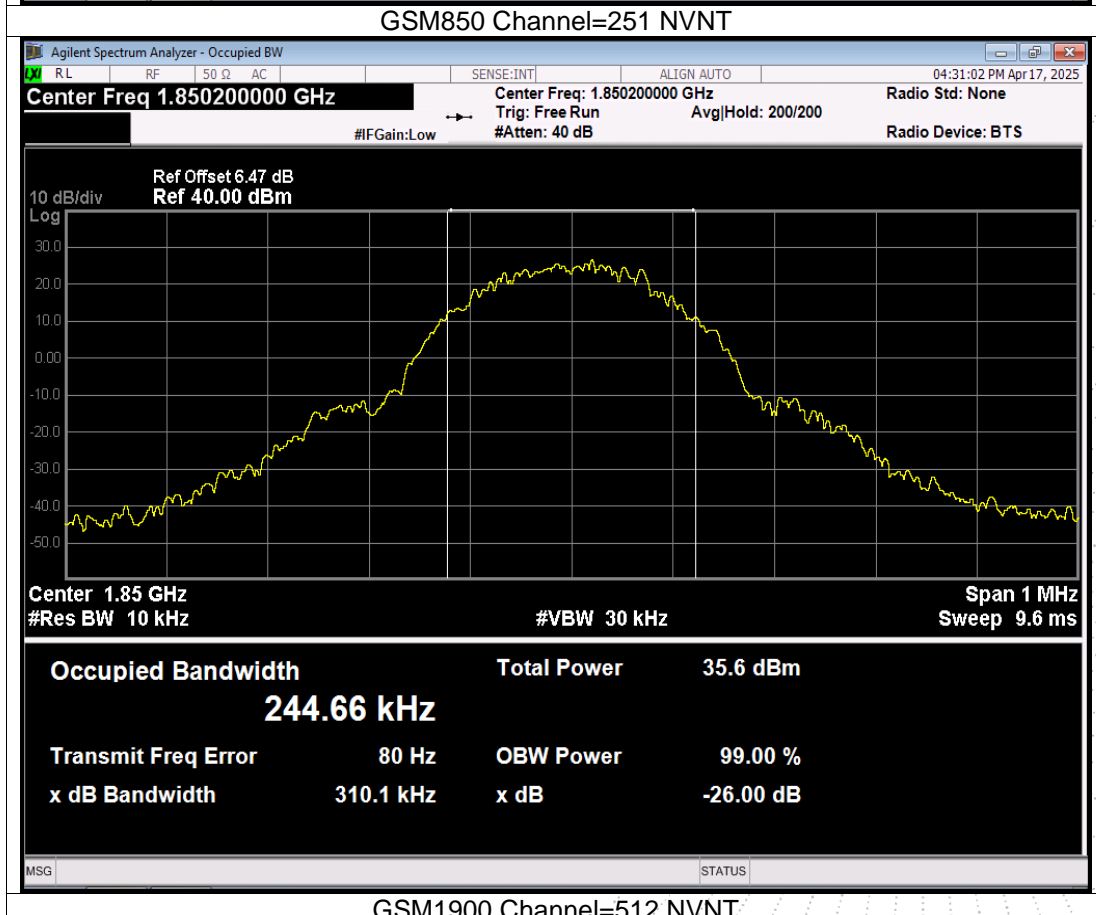
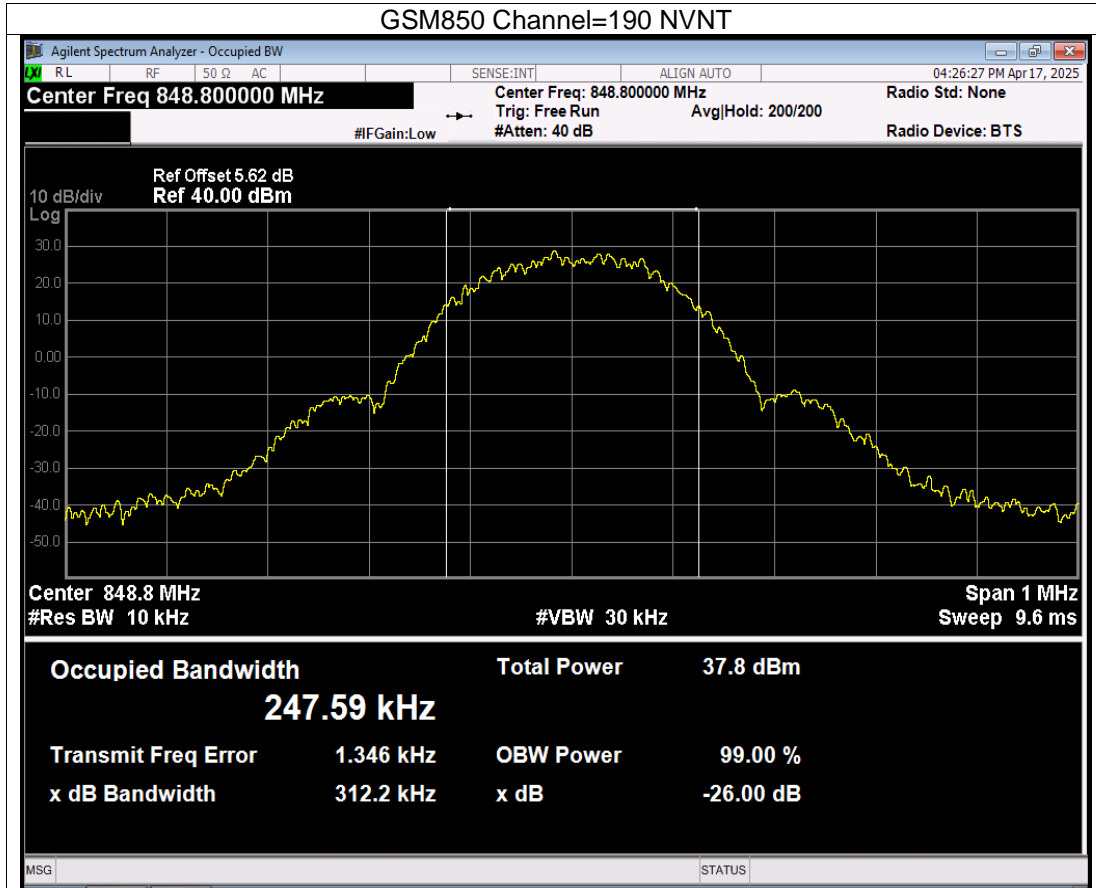
The RF output terminal of the transmitter was connected to the input of the spectrum analyzer via a suitable attenuation. The RBW of the spectrum analyzer was set to 10kHz for GSM mode and 100kHz for WCDMA mode, VBW shall be at least 3 times the RBW, and the 26dB bandwidth was recorded.

8.4 Test Result

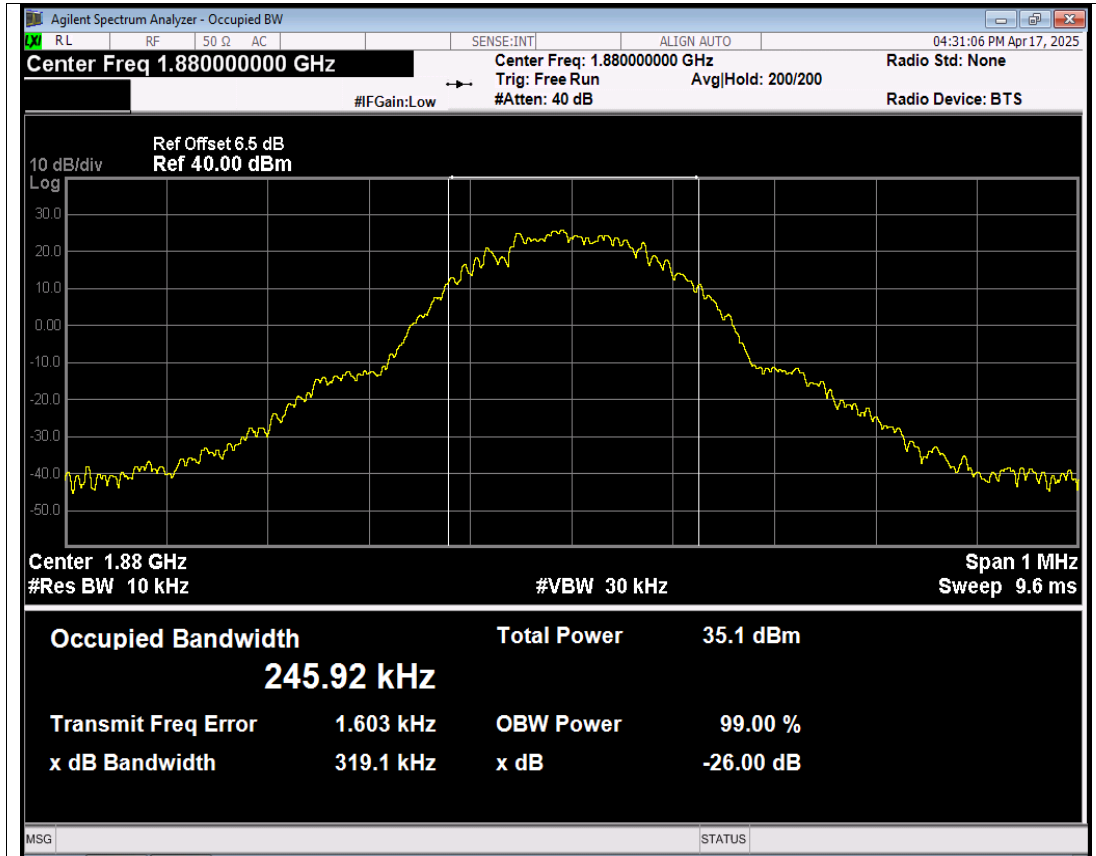
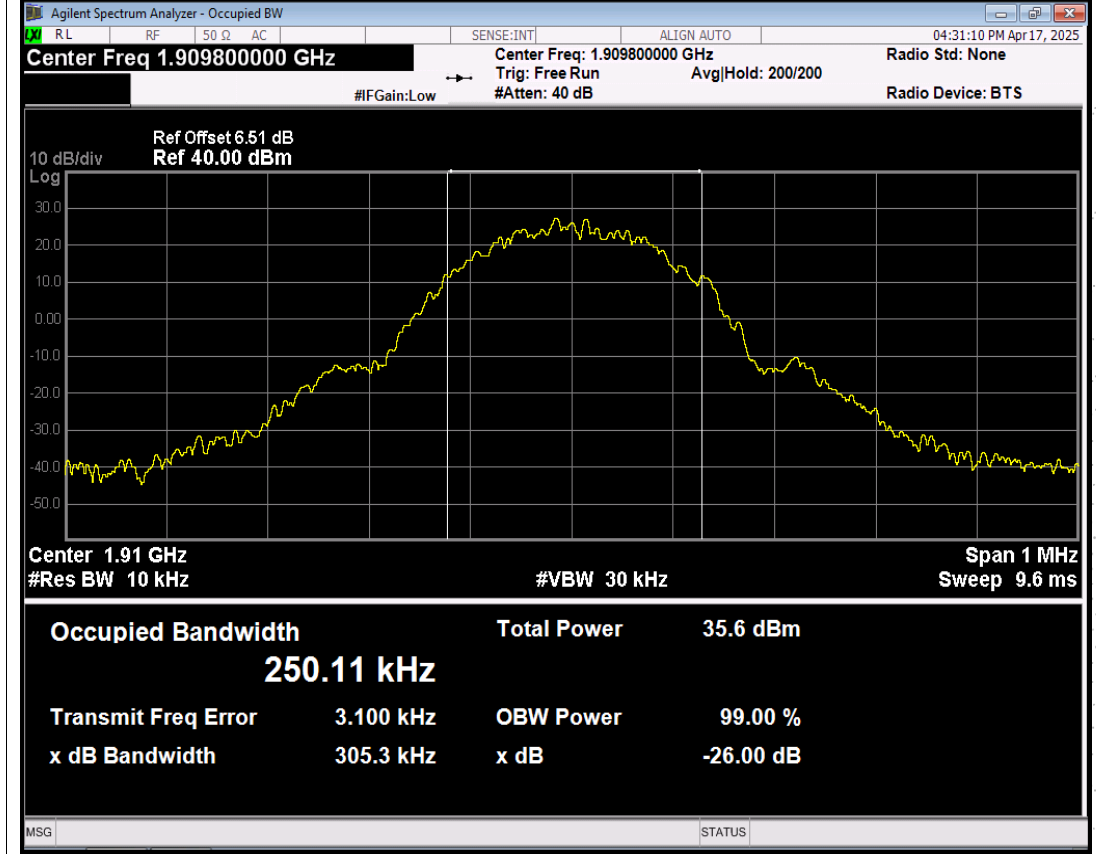
| Band | Channel | Frequency (MHz) | 99% OBW (kHz) | -26dB EBW (kHz) | Verdict |
|-----------|---------|-----------------|---------------|-----------------|---------|
| GSM850 | 128 | 824.2 | 245.093 | 320.096 | PASS |
| GSM850 | 190 | 836.6 | 242.438 | 316.020 | PASS |
| GSM850 | 251 | 848.8 | 247.589 | 312.238 | PASS |
| GSM1900 | 512 | 1850.2 | 244.658 | 310.065 | PASS |
| GSM1900 | 661 | 1880 | 245.925 | 319.122 | PASS |
| GSM1900 | 810 | 1909.8 | 250.110 | 305.339 | PASS |
| GPRS850 | 128 | 824.2 | 247.004 | 321.448 | PASS |
| GPRS850 | 190 | 836.6 | 249.212 | 318.299 | PASS |
| GPRS850 | 251 | 848.8 | 241.899 | 310.951 | PASS |
| GPRS1900 | 512 | 1850.2 | 246.685 | 310.745 | PASS |
| GPRS1900 | 661 | 1880 | 249.361 | 318.808 | PASS |
| GPRS1900 | 810 | 1909.8 | 239.483 | 314.059 | PASS |
| EGPRS850 | 128 | 824.2 | 236.335 | 288.528 | PASS |
| EGPRS850 | 190 | 836.6 | 237.546 | 318.437 | PASS |
| EGPRS850 | 251 | 848.8 | 248.896 | 305.962 | PASS |
| EGPRS1900 | 512 | 1850.2 | 247.805 | 310.810 | PASS |
| EGPRS1900 | 661 | 1880 | 248.298 | 309.493 | PASS |
| EGPRS1900 | 810 | 1909.8 | 250.591 | 312.303 | PASS |

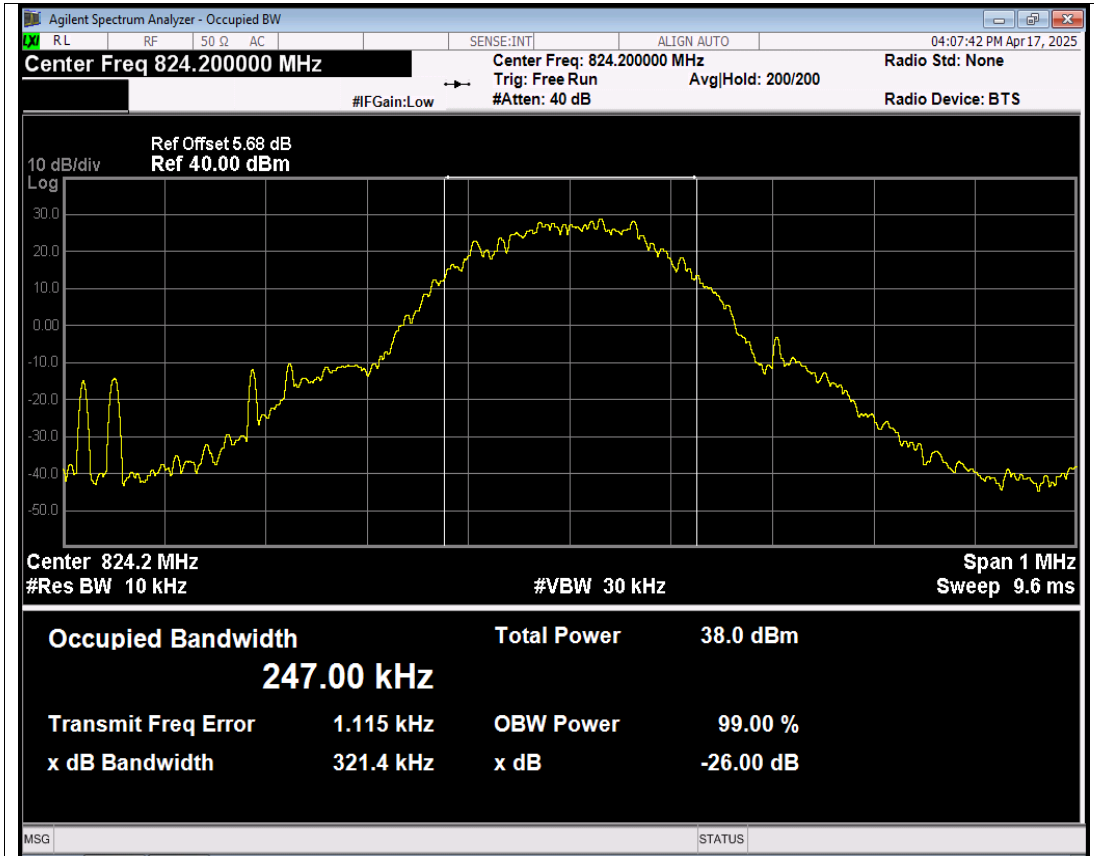
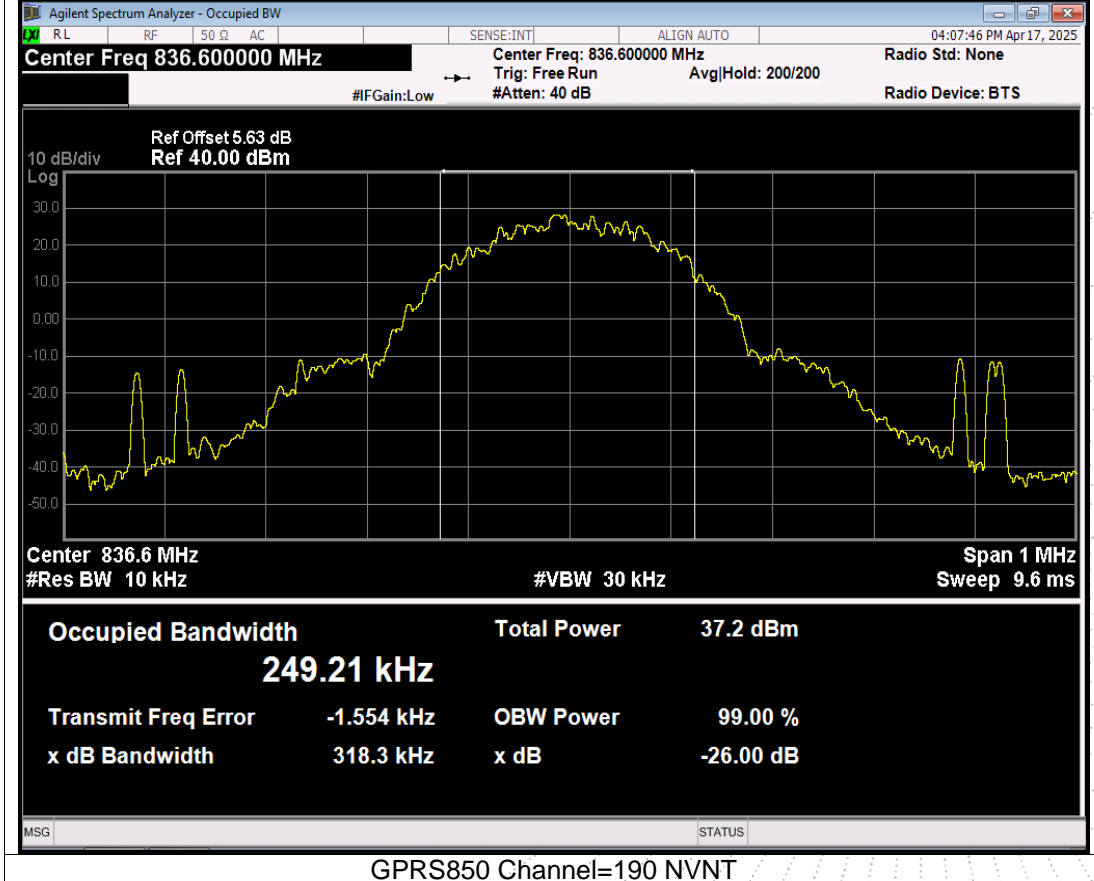


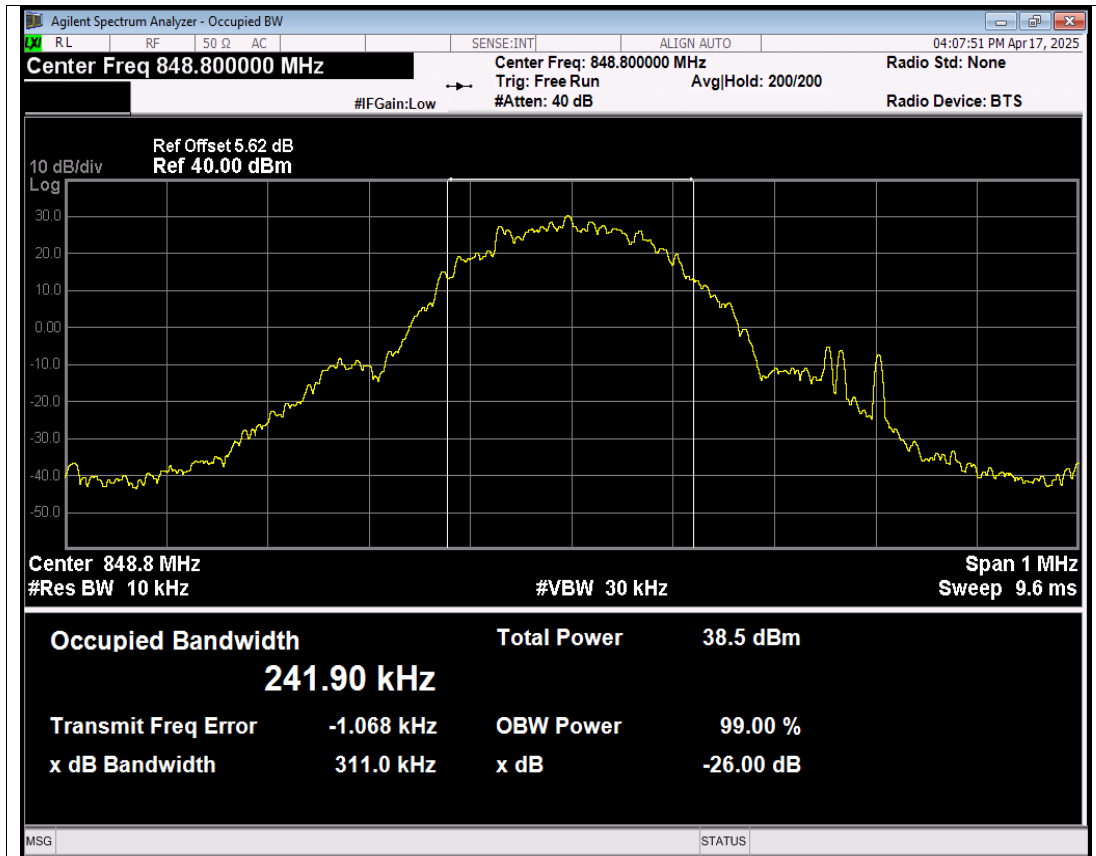
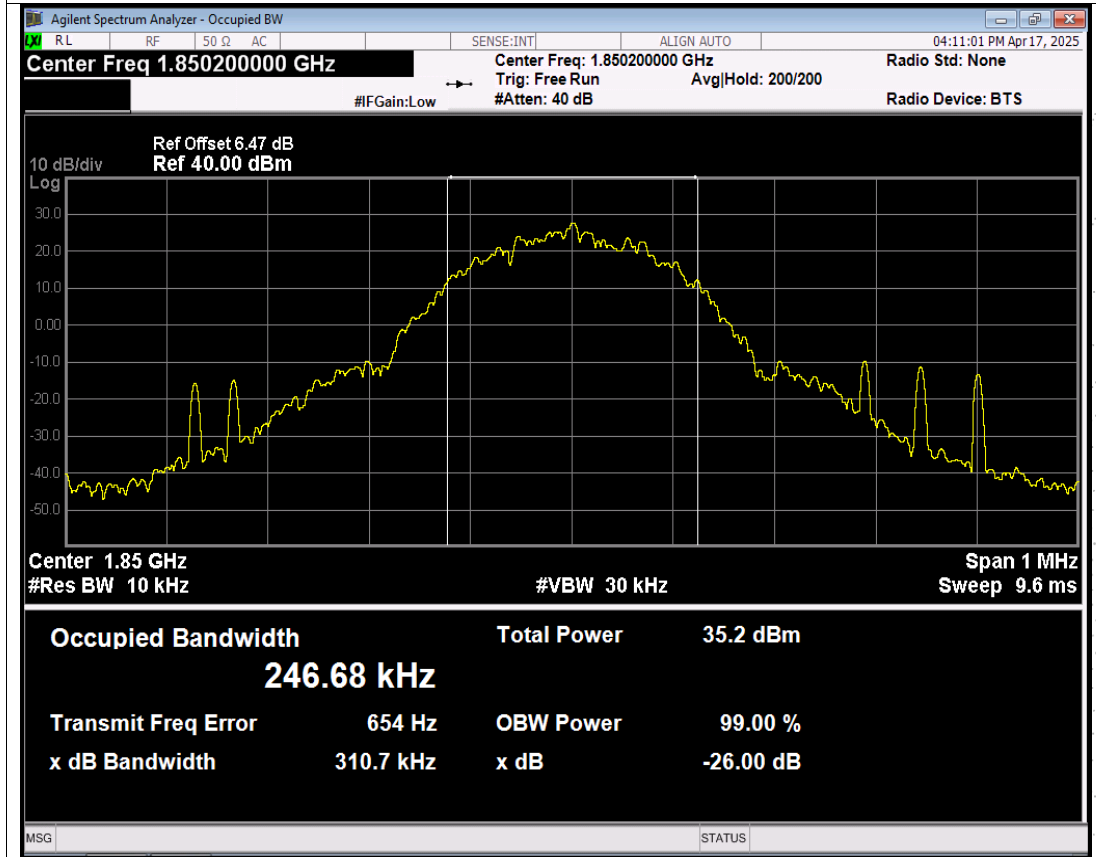

GSM850 Channel=128 NVNT


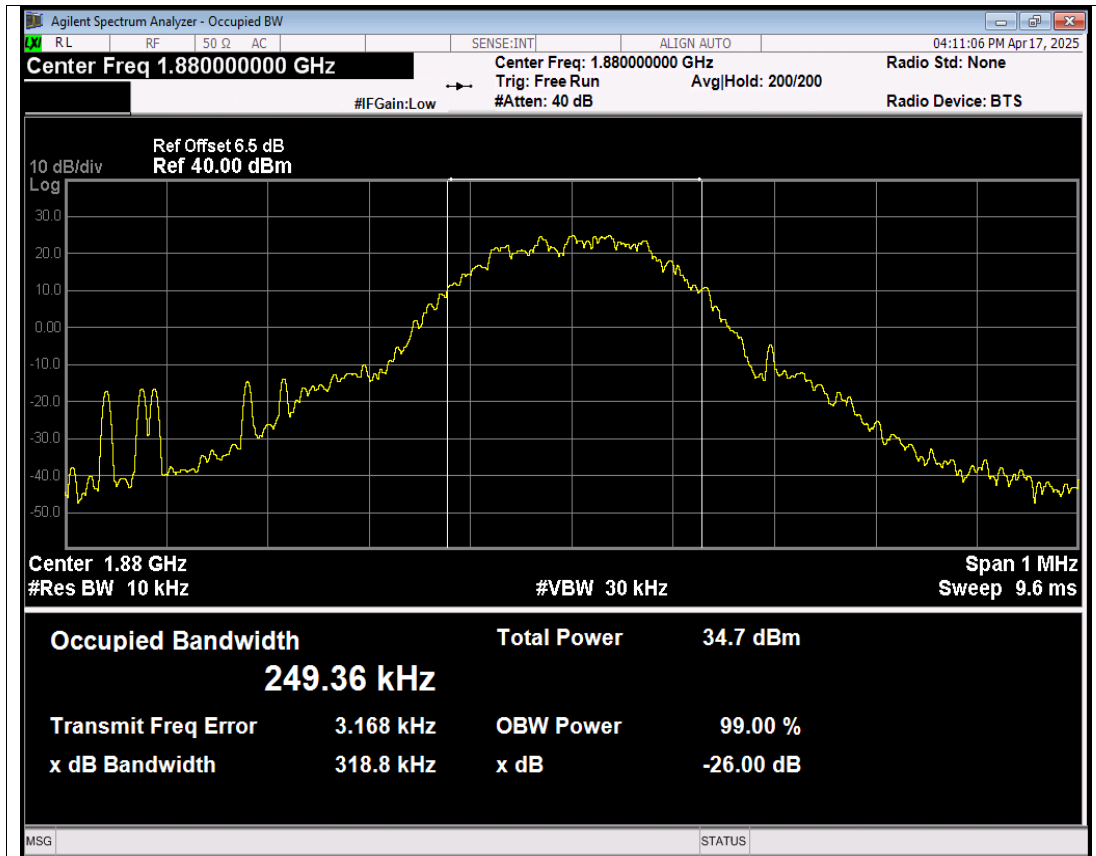
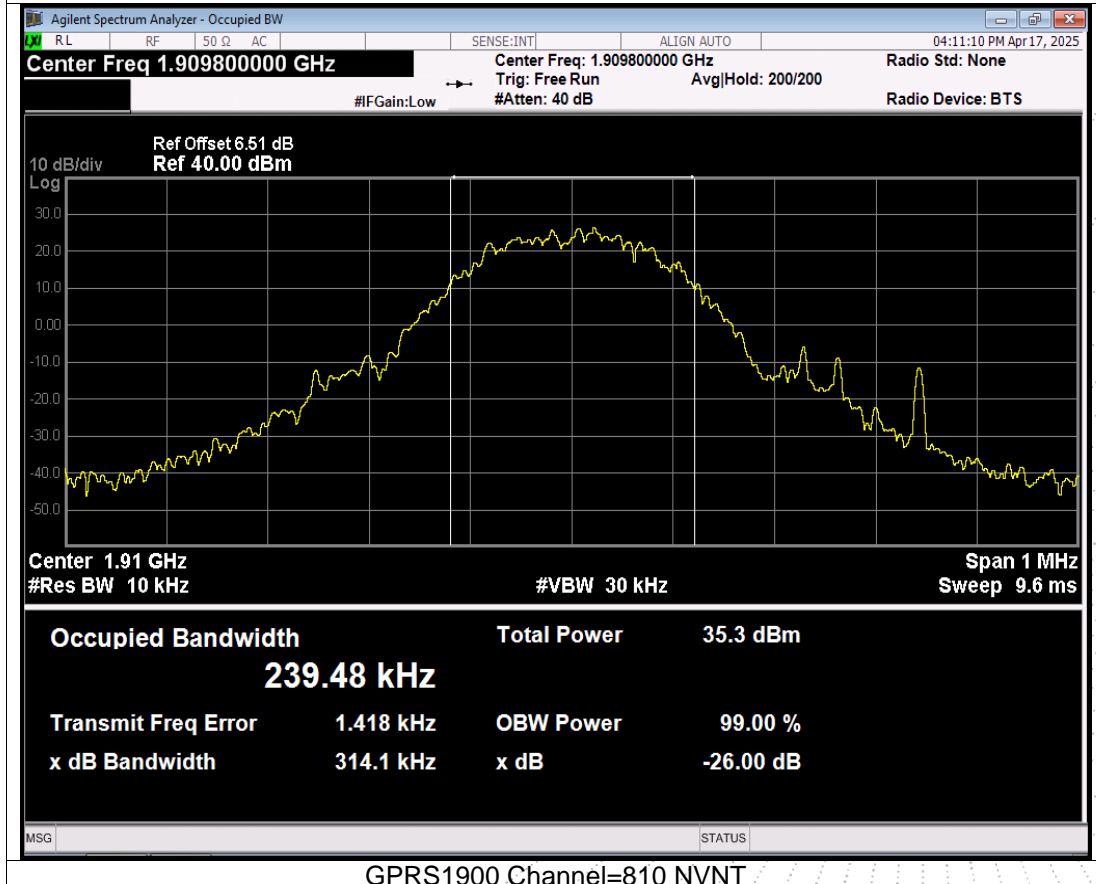


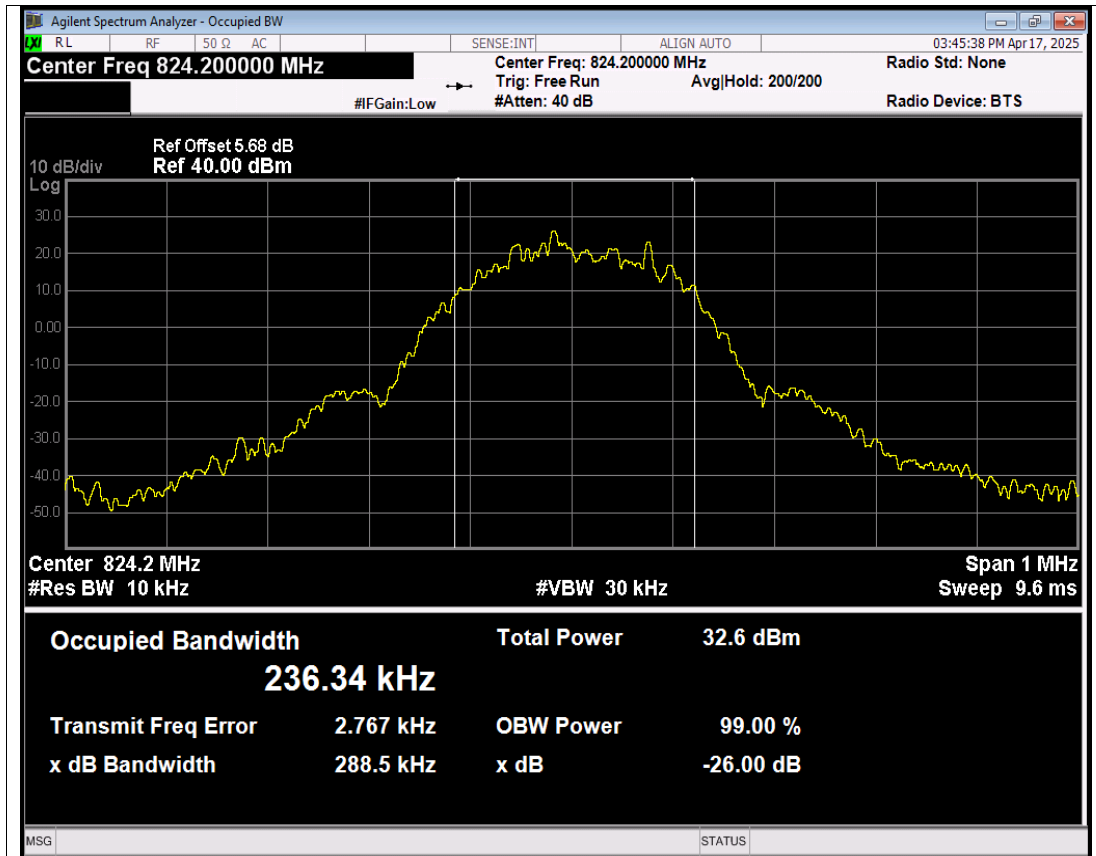
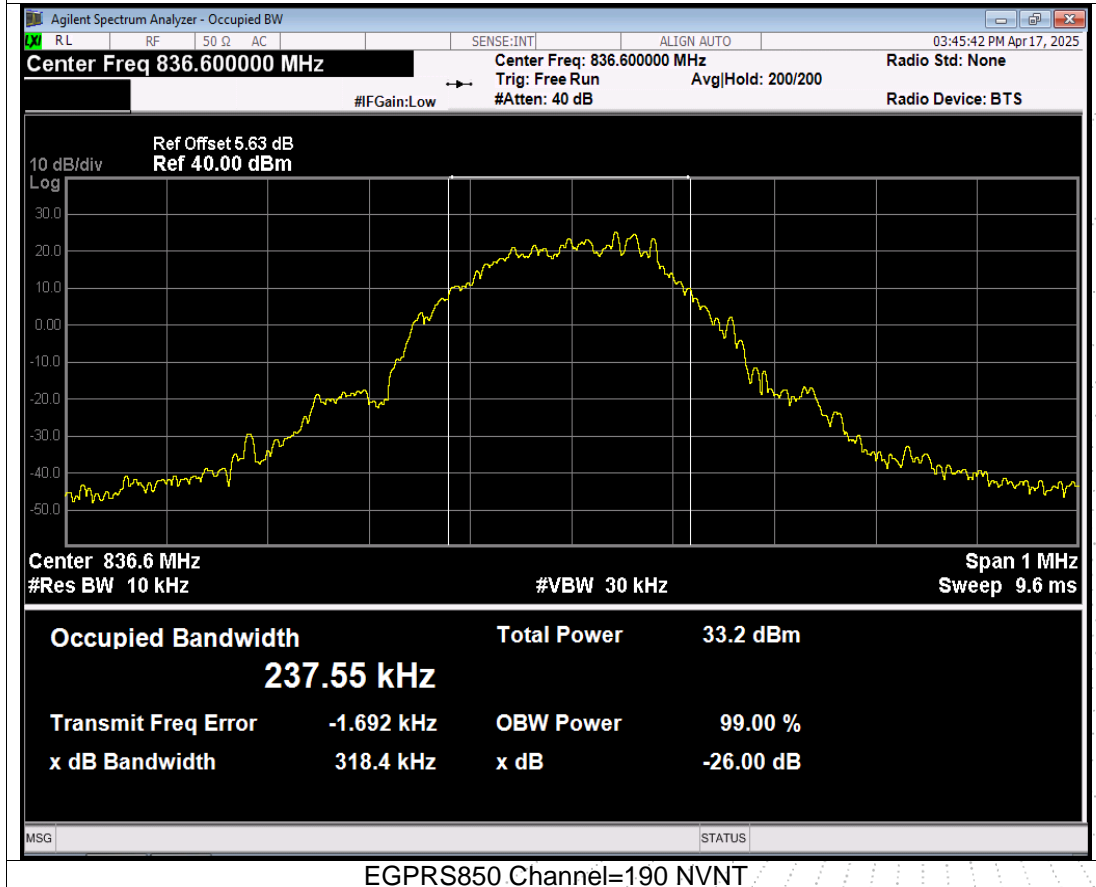
GSM1900 Channel=512 NVNT

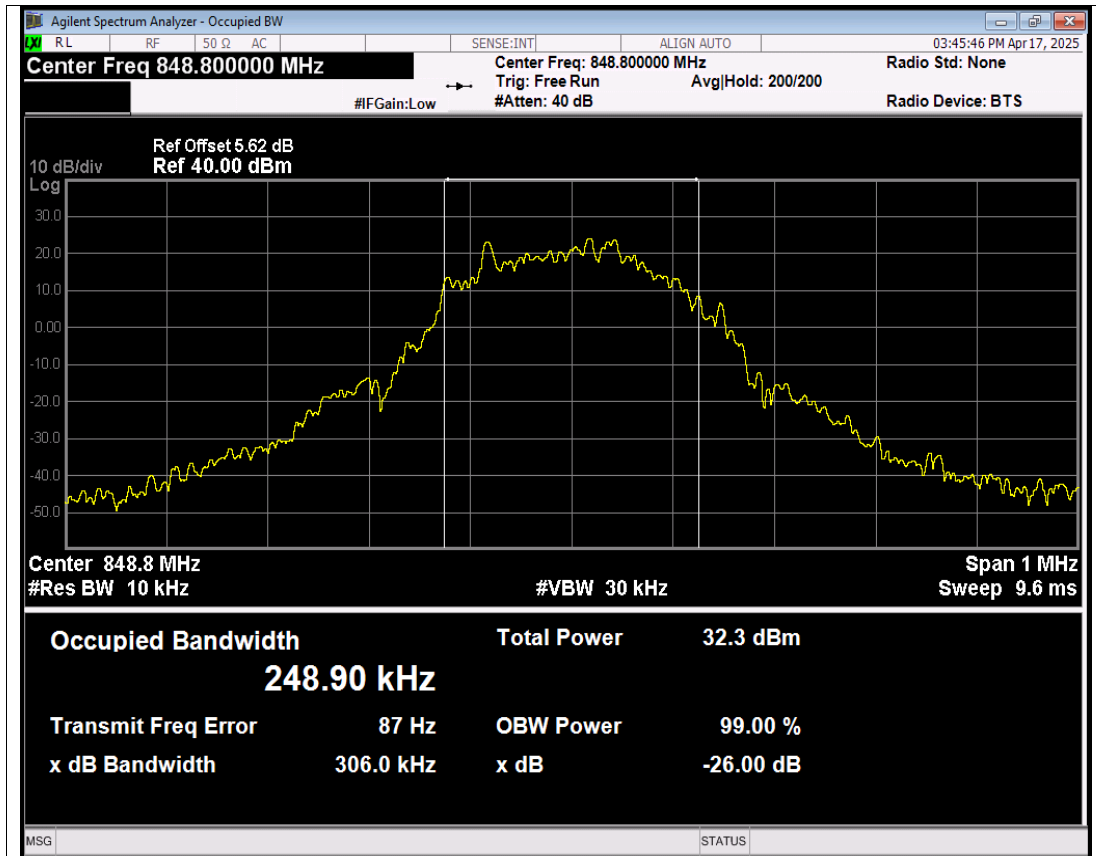
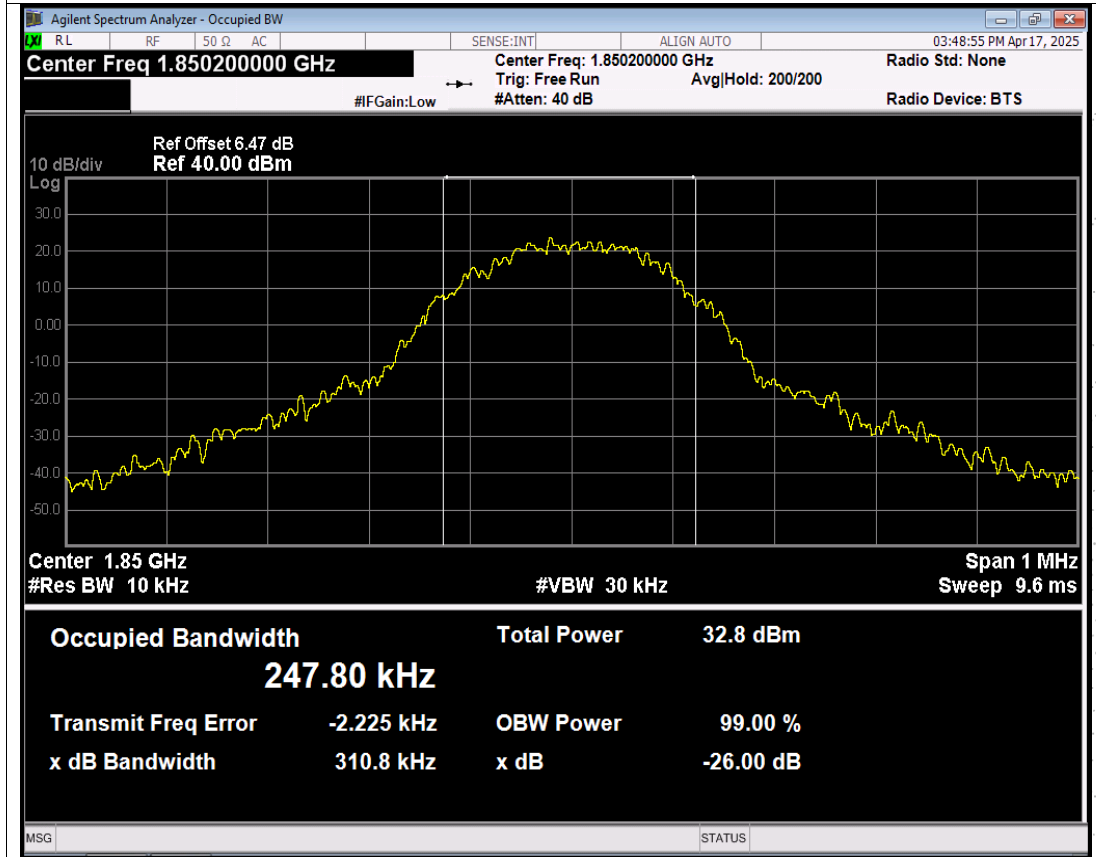

GSM1900 Channel=661 NVNT

GSM1900 Channel=810 NVNT

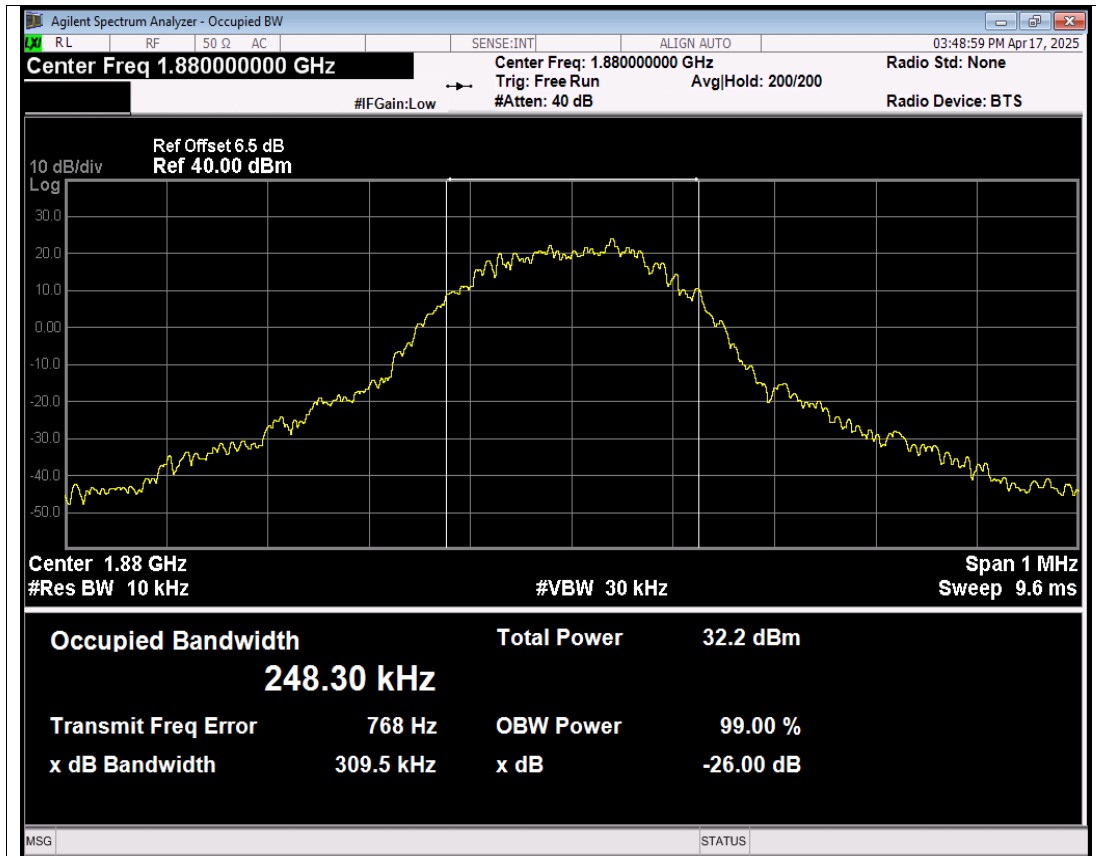

GPRS850 Channel=128 NVNT

GPRS850 Channel=190 NVNT


GPRS850 Channel=251 NVNT

GPRS1900 Channel=512 NVNT

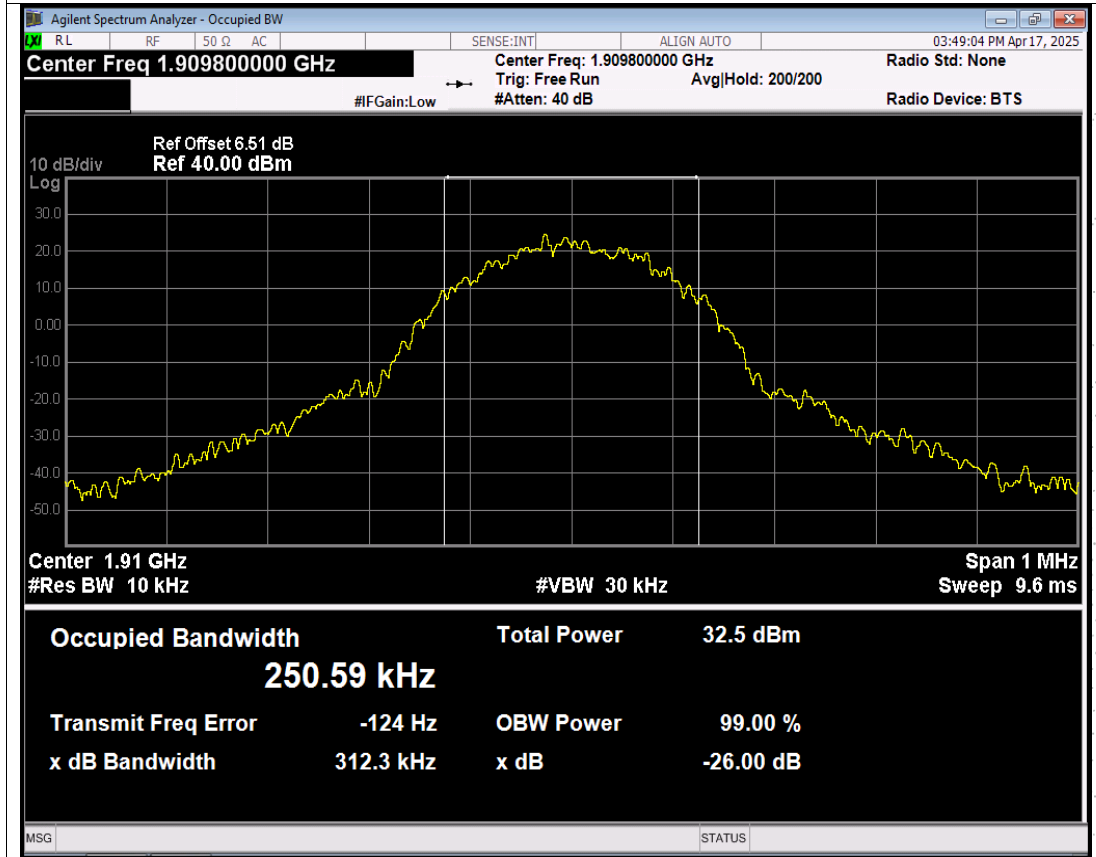

GPRS1900 Channel=661 NVNT

GPRS1900 Channel=810 NVNT


EGPRS850 Channel=128 NVNT

EGPRS850 Channel=190 NVNT


EGPRS850 Channel=251 NVNT

EGPRS1900 Channel=512 NVNT



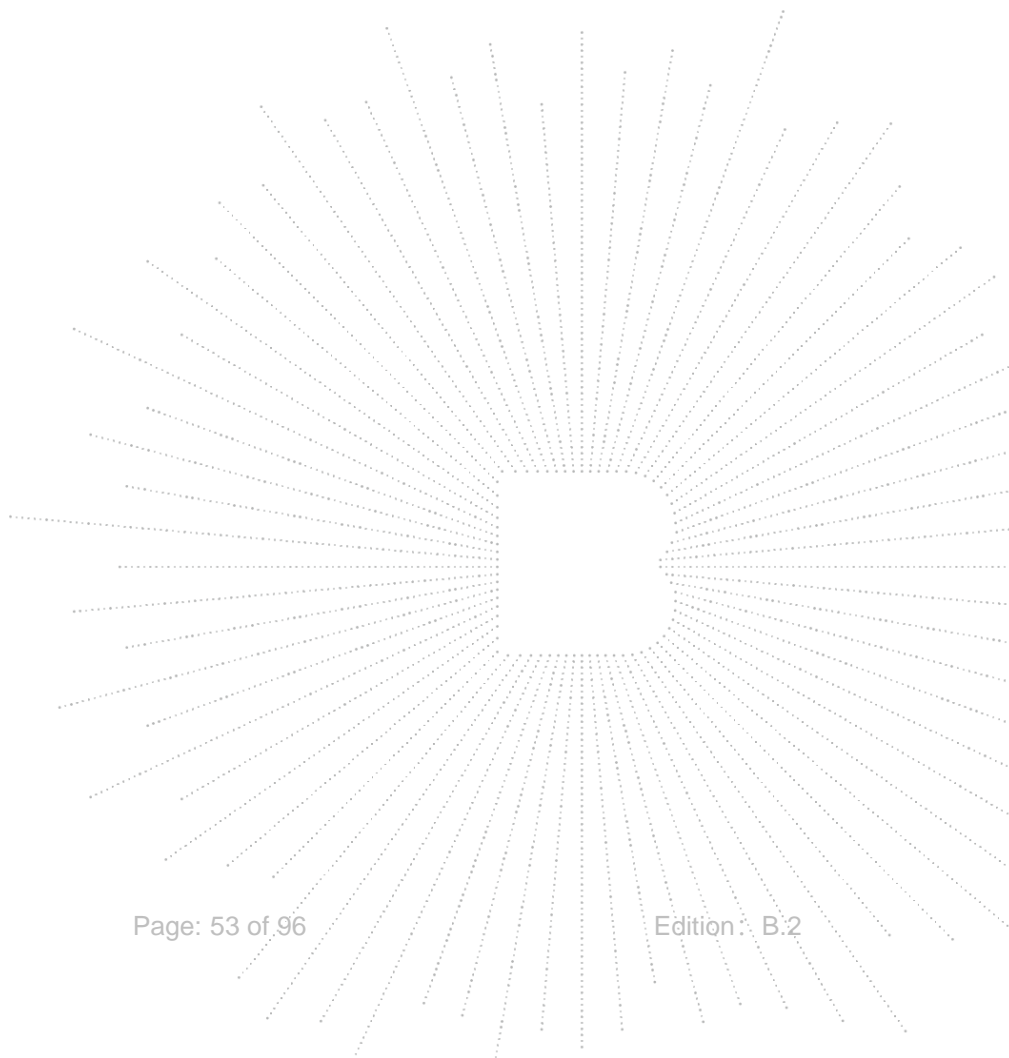
EGPRS1900 Channel=661 NVNT

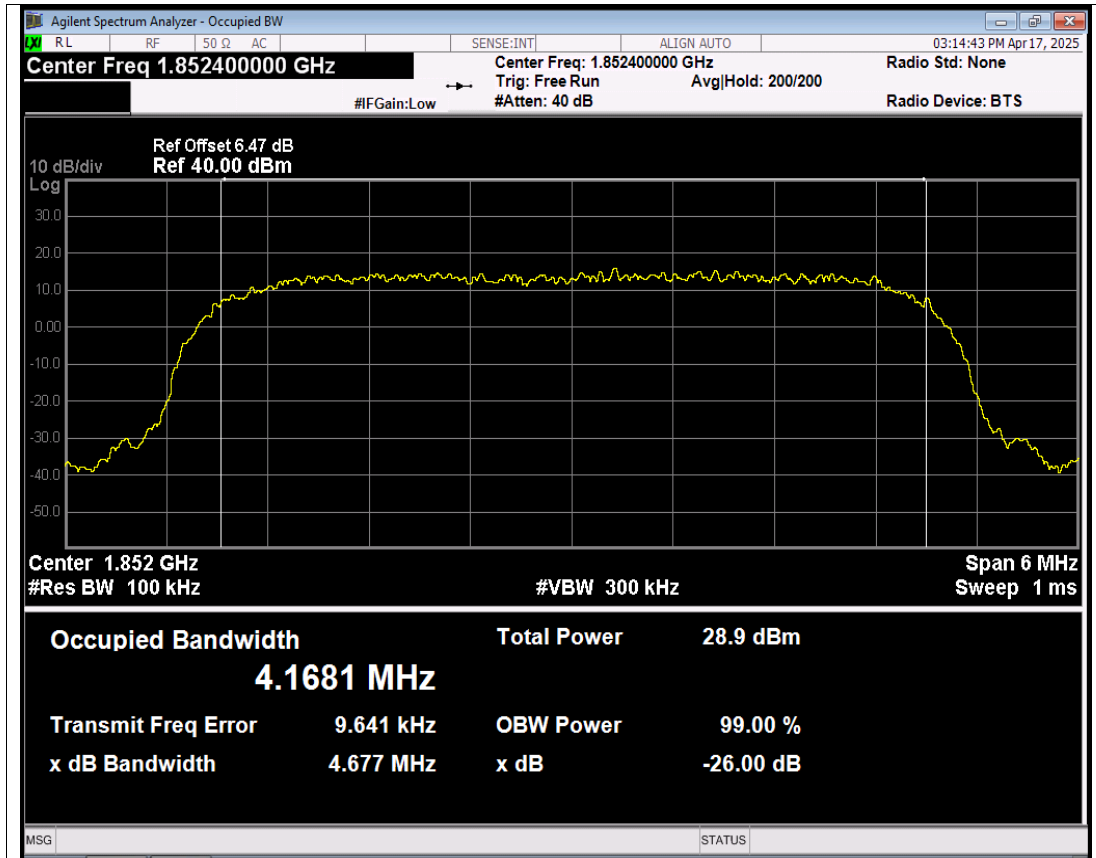
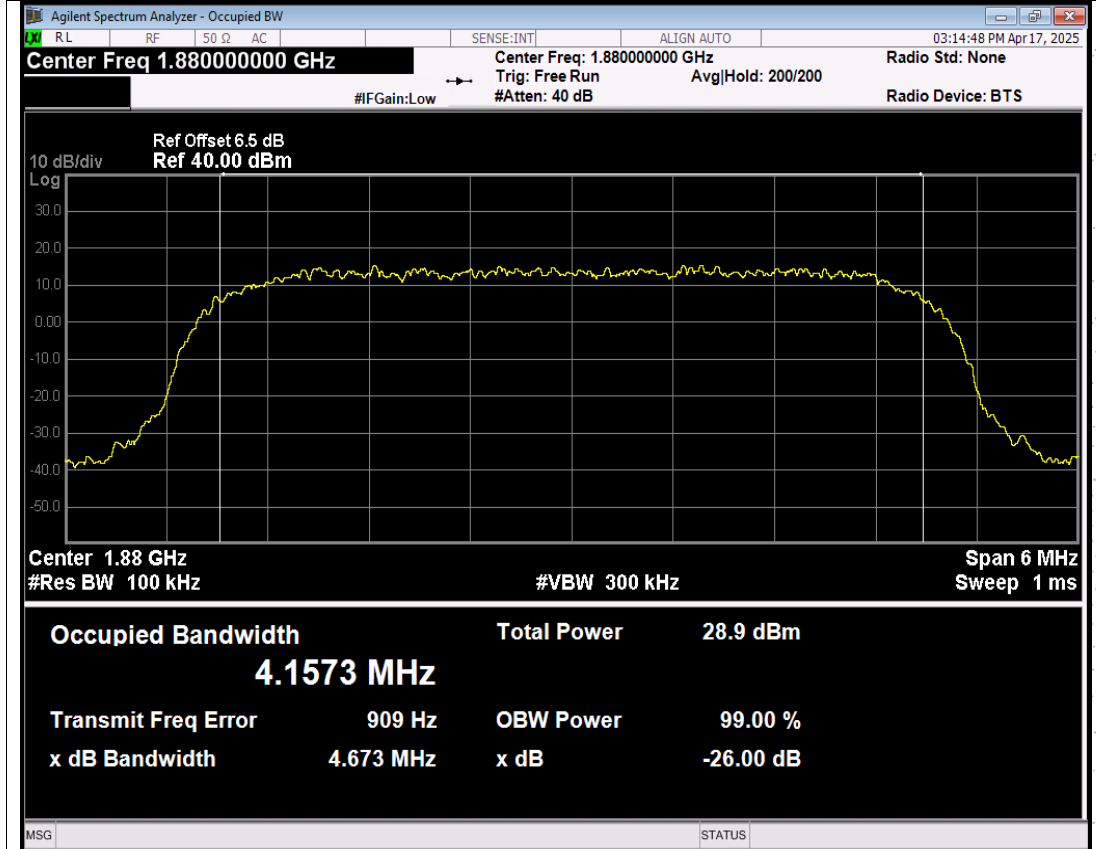


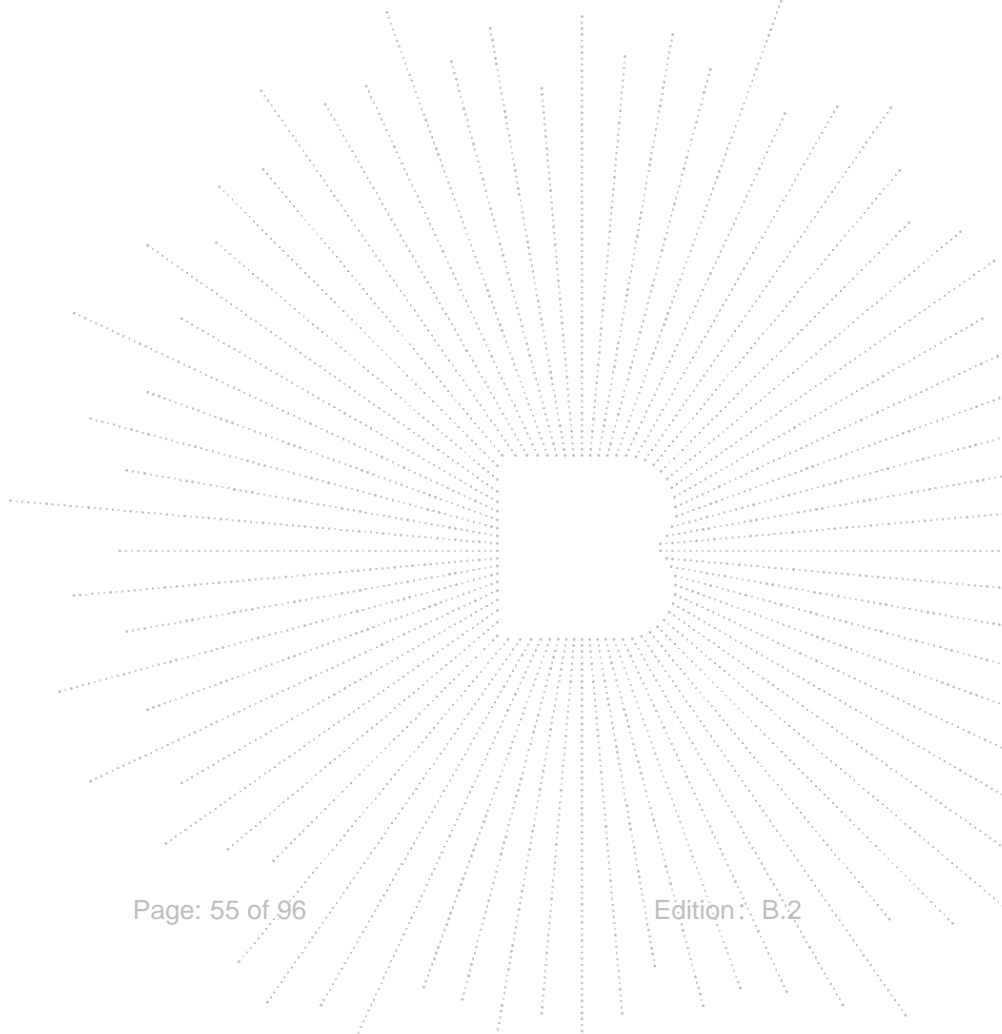
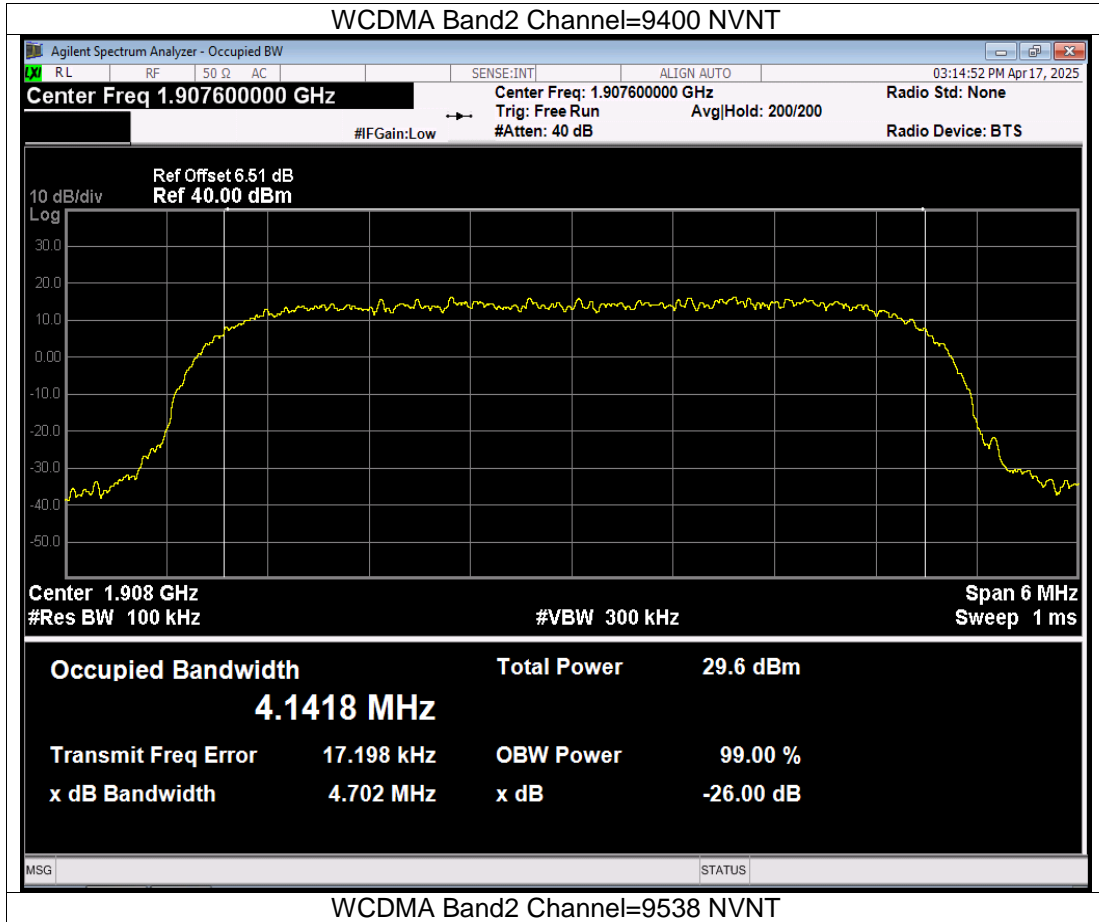
EGPRS1900 Channel=810 NVNT

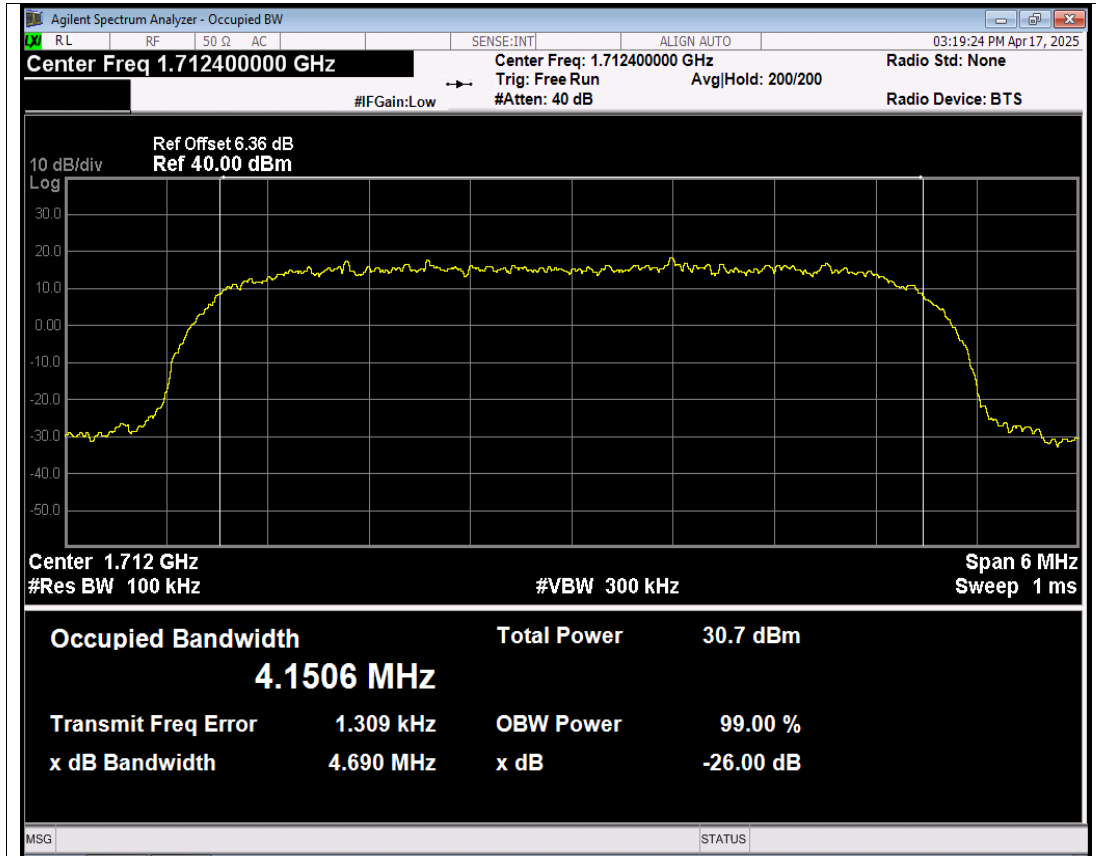
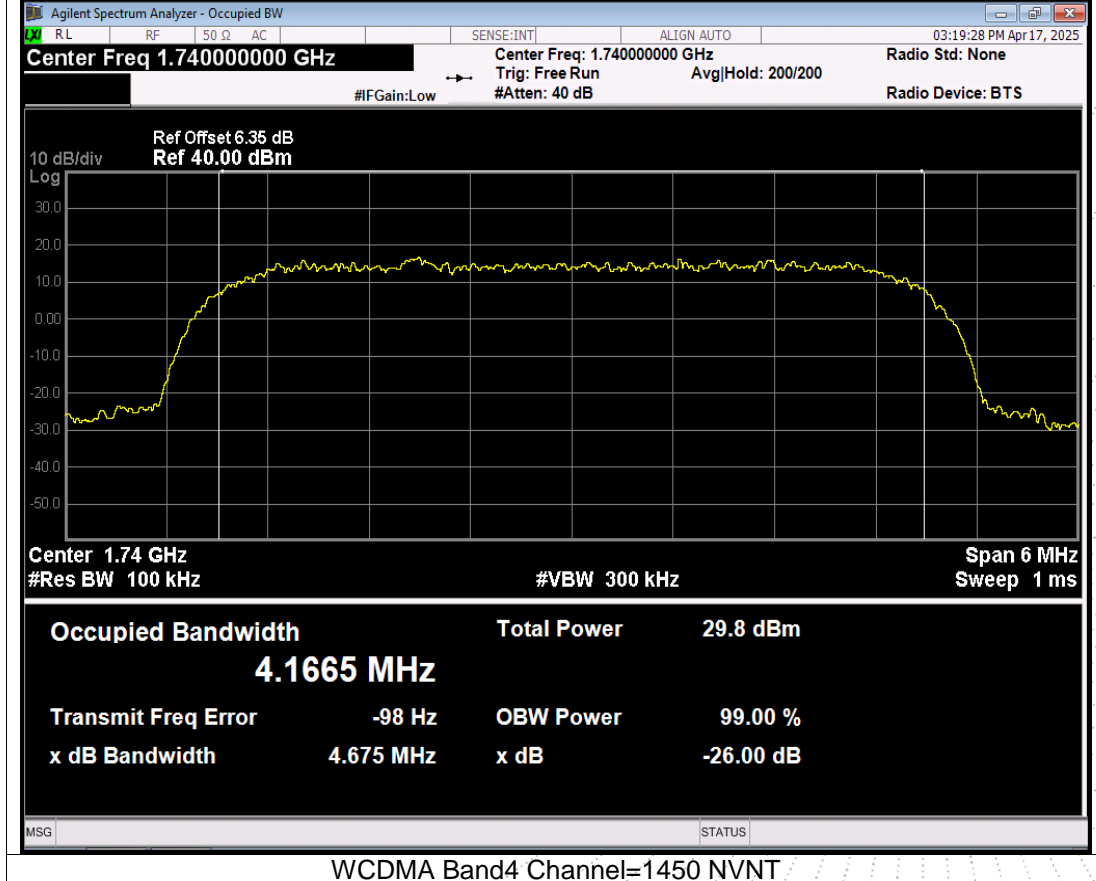
| Band | Channel | Frequency (MHz) | 99% OBW (kHz) | -26dB EBW (kHz) | Verdict |
|-------------|---------|-----------------|---------------|-----------------|---------|
| WCDMA Band2 | 9262 | 1852.4 | 4168.101 | 4676.554 | PASS |
| WCDMA Band2 | 9400 | 1880 | 4157.287 | 4672.580 | PASS |
| WCDMA Band2 | 9538 | 1907.6 | 4141.797 | 4702.327 | PASS |
| WCDMA Band4 | 1312 | 1712.4 | 4150.591 | 4690.211 | PASS |
| WCDMA Band4 | 1450 | 1740 | 4166.533 | 4674.792 | PASS |
| WCDMA Band4 | 1513 | 1752.6 | 4163.539 | 4654.655 | PASS |
| WCDMA Band5 | 4132 | 826.4 | 4151.514 | 4653.290 | PASS |
| WCDMA Band5 | 4182 | 836.4 | 4160.030 | 4701.781 | PASS |
| WCDMA Band5 | 4233 | 846.6 | 4147.263 | 4659.476 | PASS |

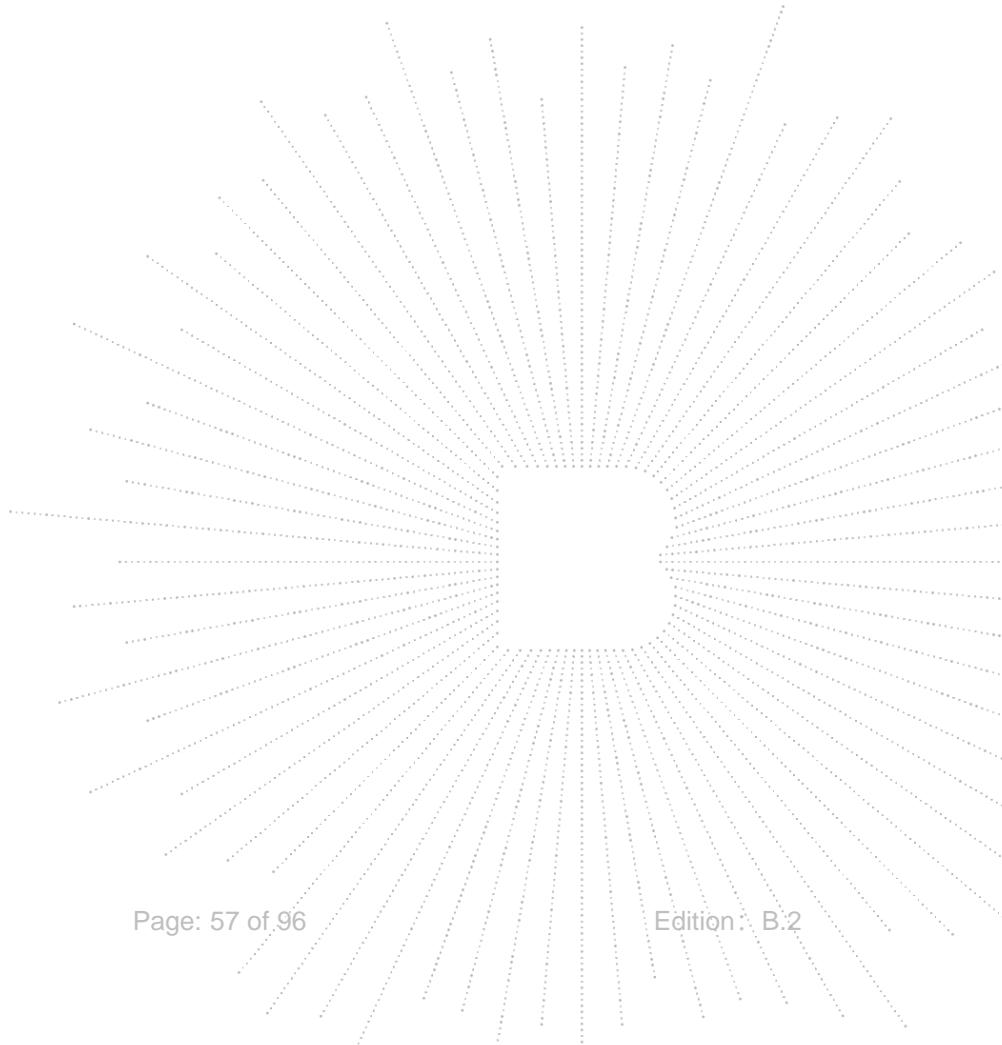
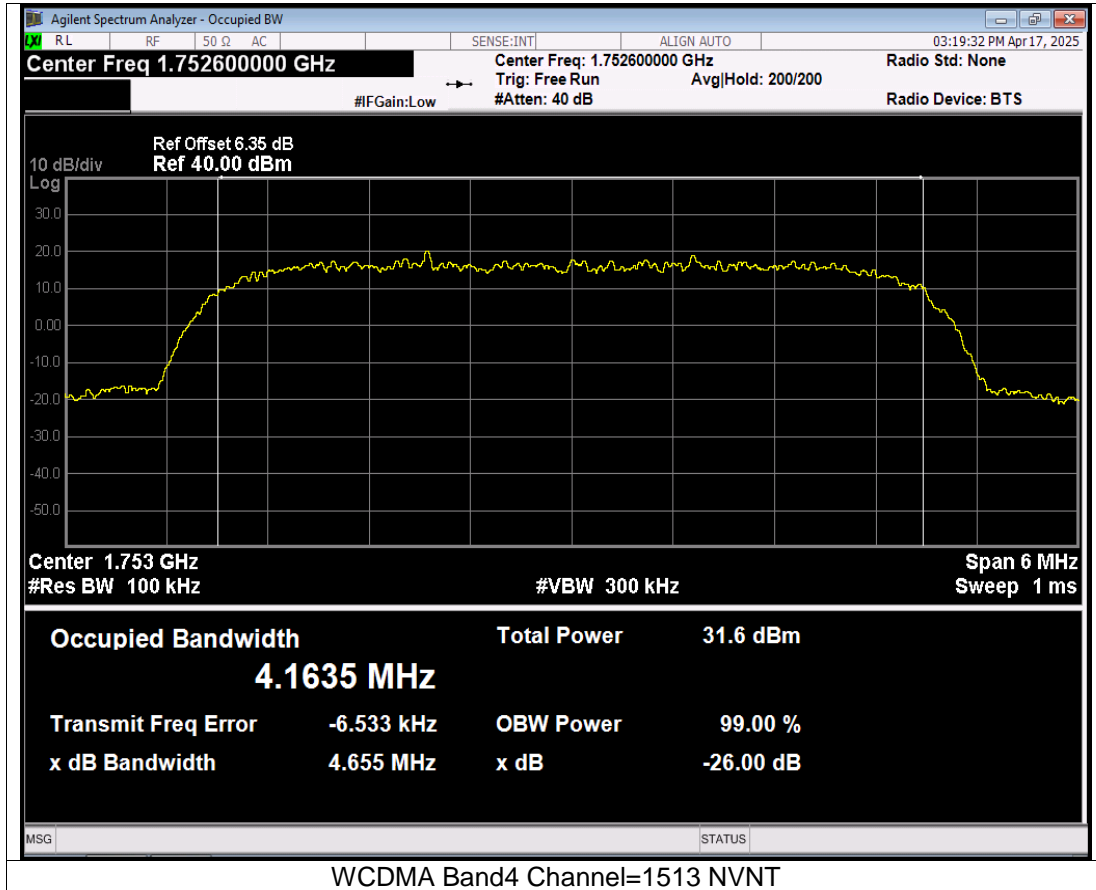
Note: In WCDMA, RMC, HSDPA and HSUPA all three tests only reflect the worst mode RMC.

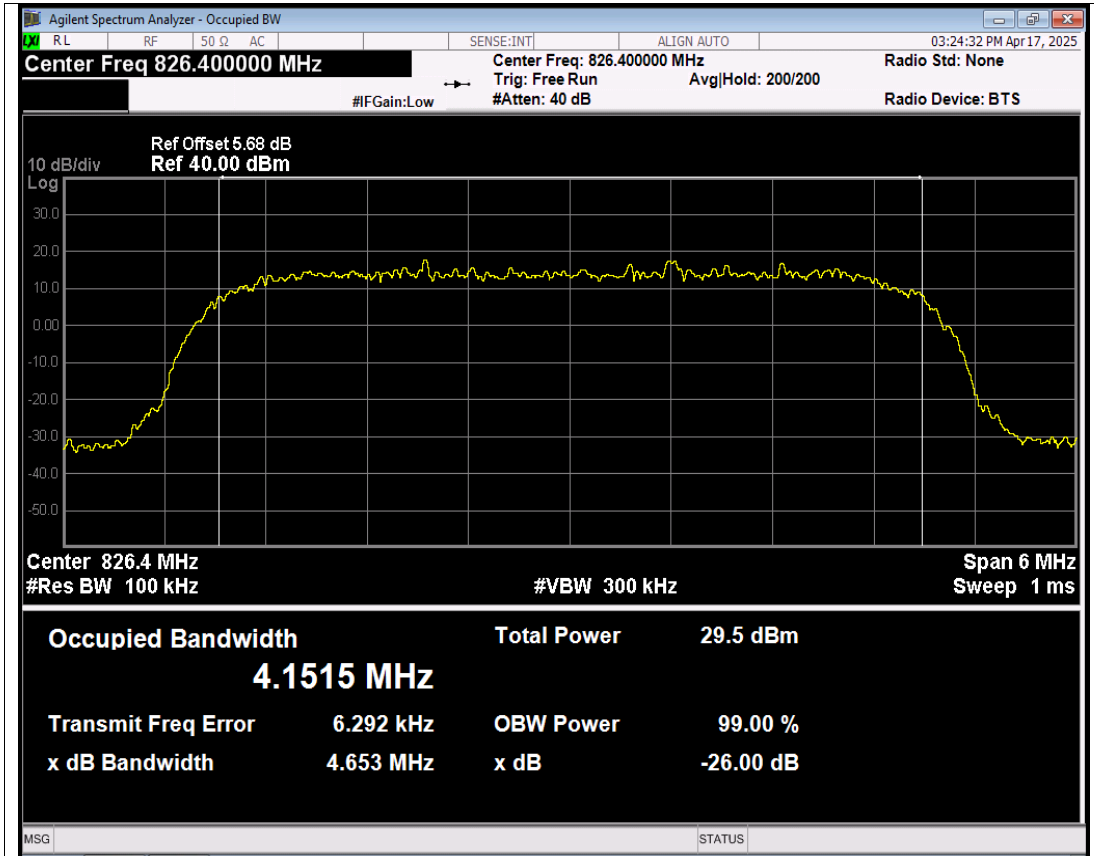
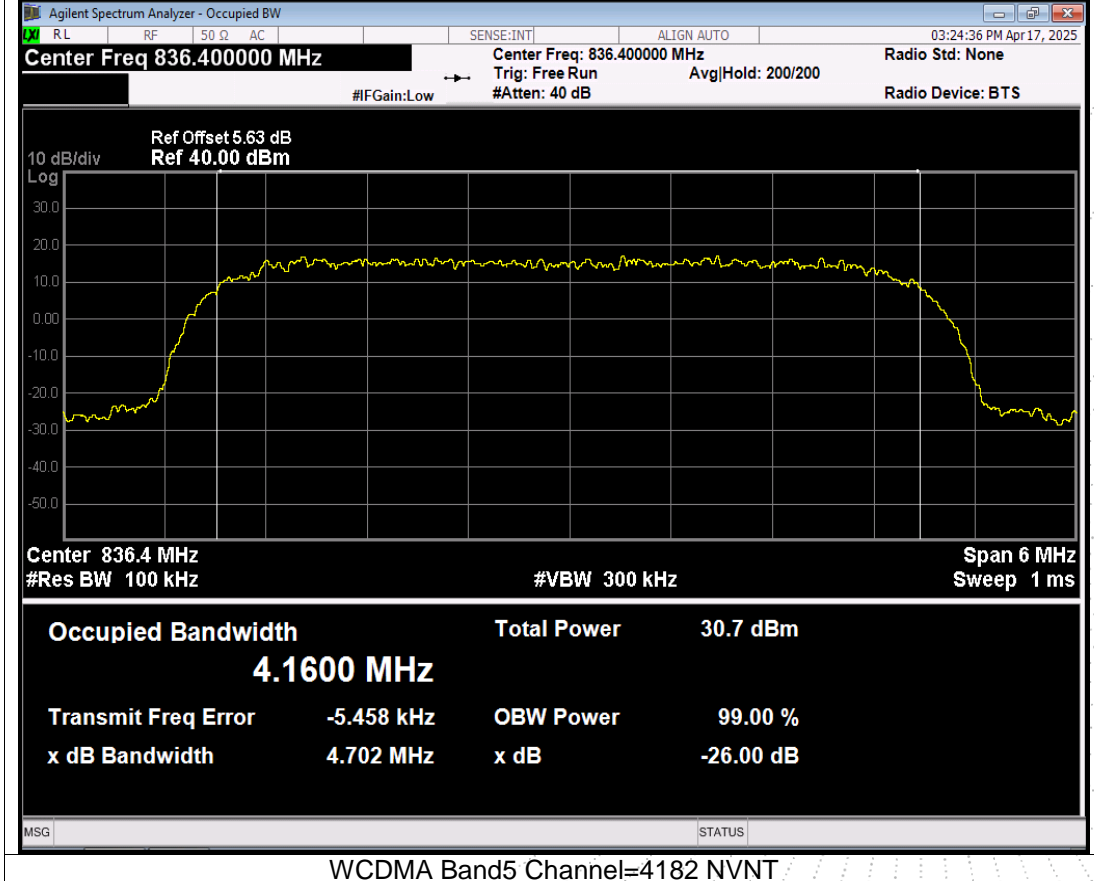


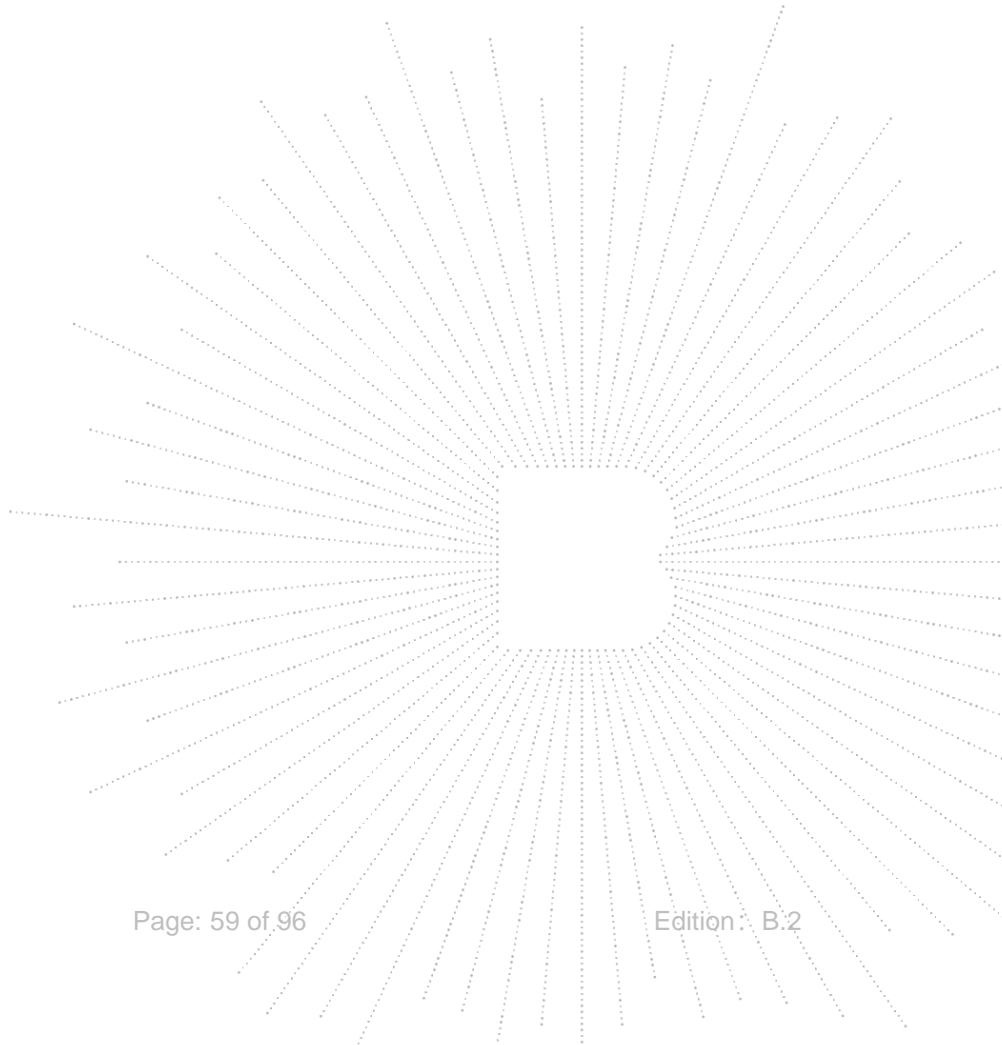
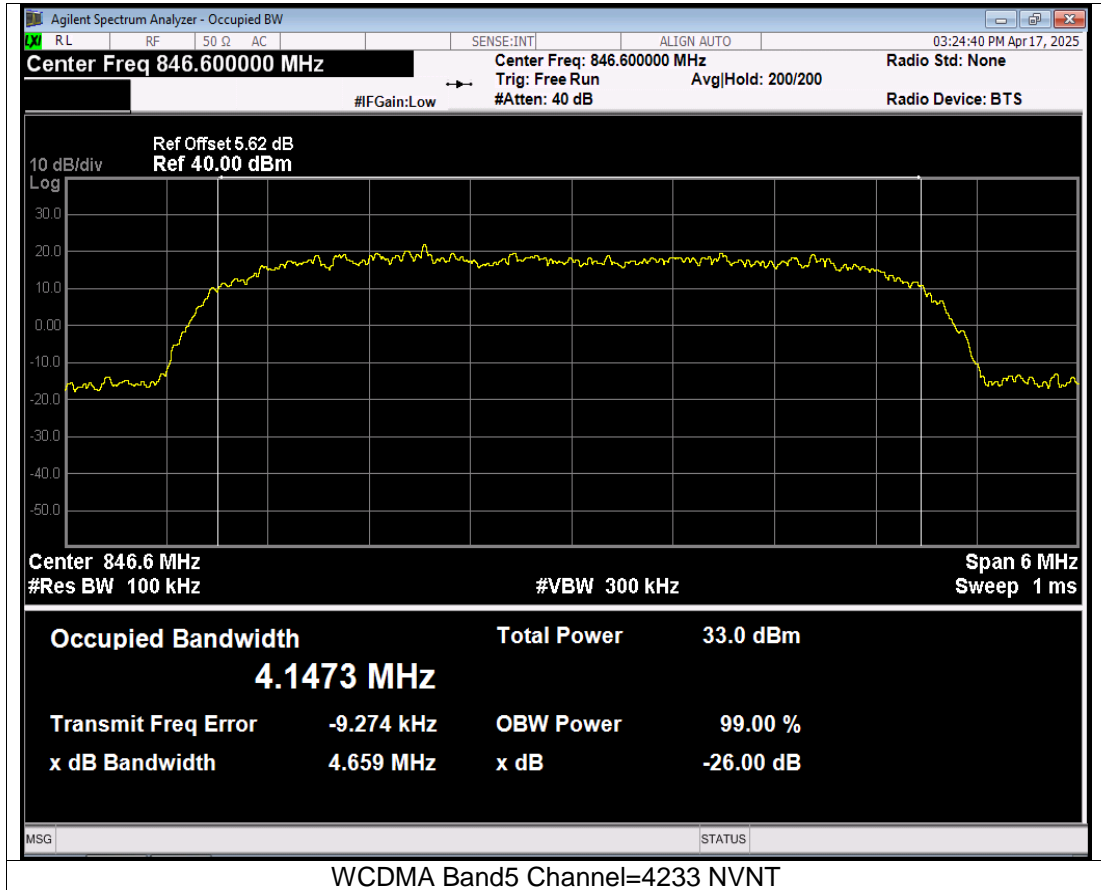

WCDMA Band2 Channel=9262 NVNT





WCDMA Band4 Channel=1312 NVNT

WCDMA Band4 Channel=1450 NVNT

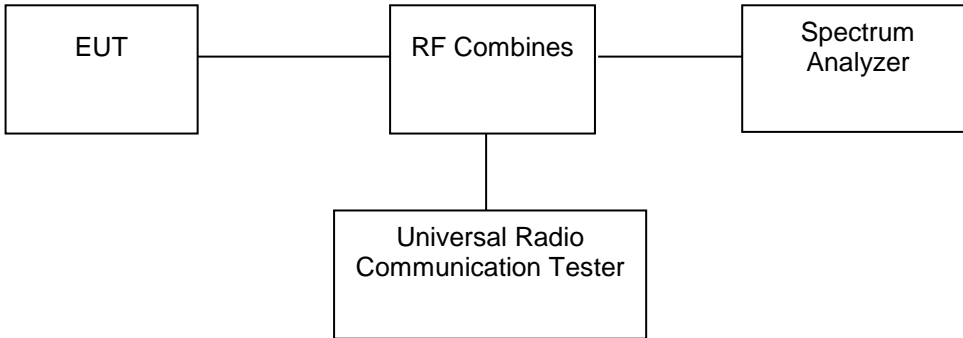



WCDMA Band5 Channel=4132 NVNT

WCDMA Band5 Channel=4182 NVNT



9. Out of Band Emissions at Antenna Terminal

9.1 Block Diagram Of Test Setup



9.2 Limit

According to §22.917(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

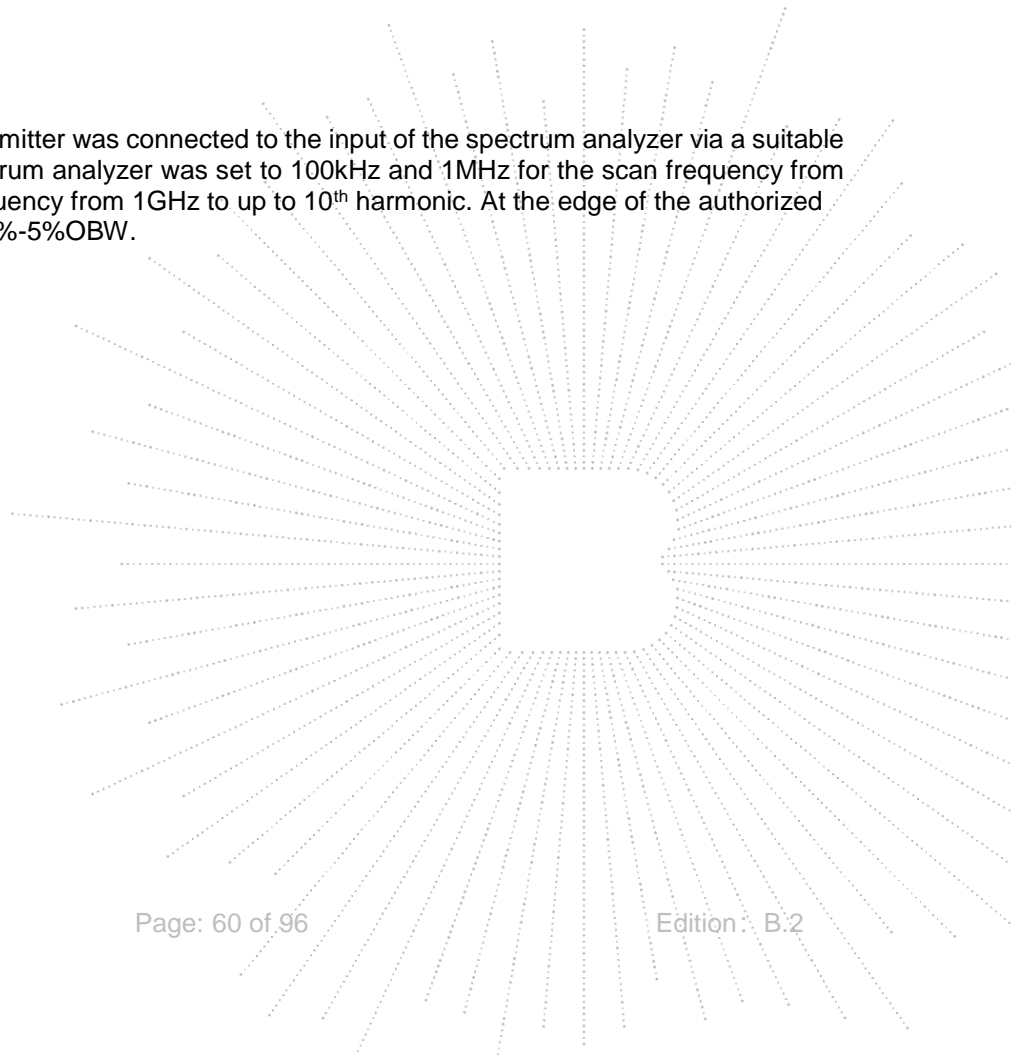
According to §24.238(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

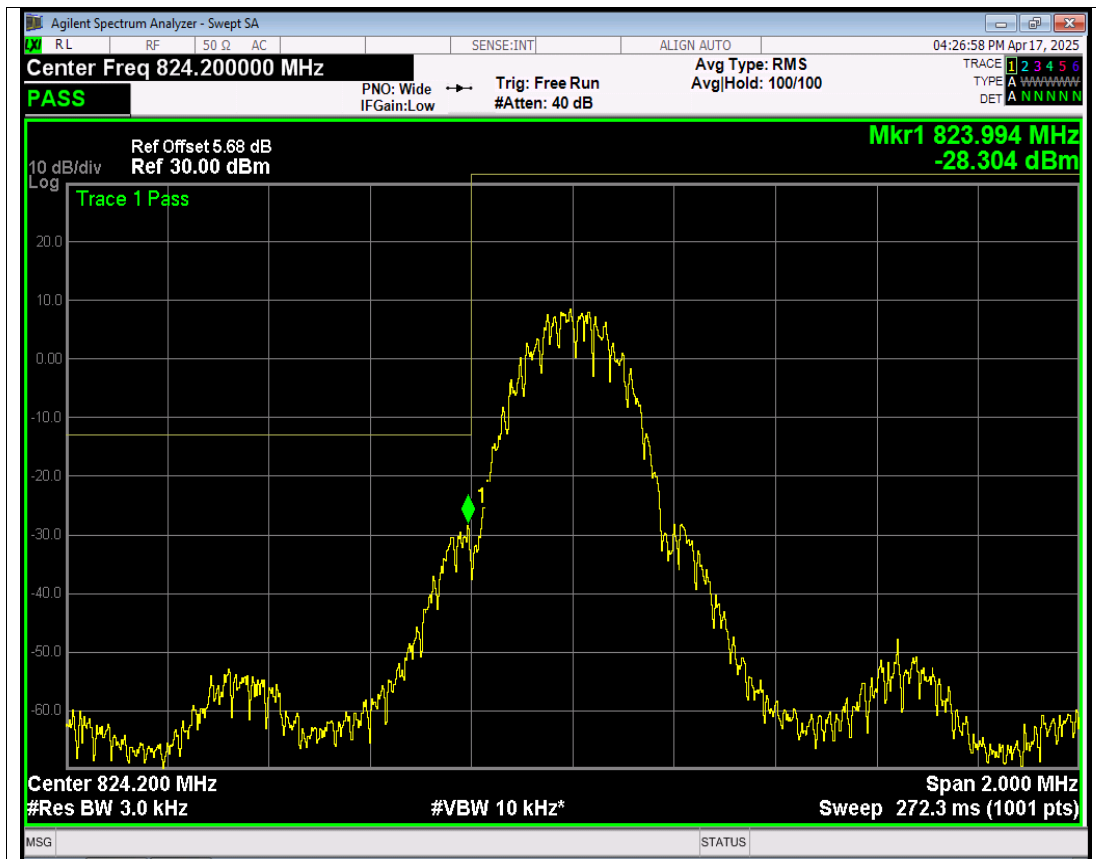
According to §27.53 (h), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

9.3 Test procedure

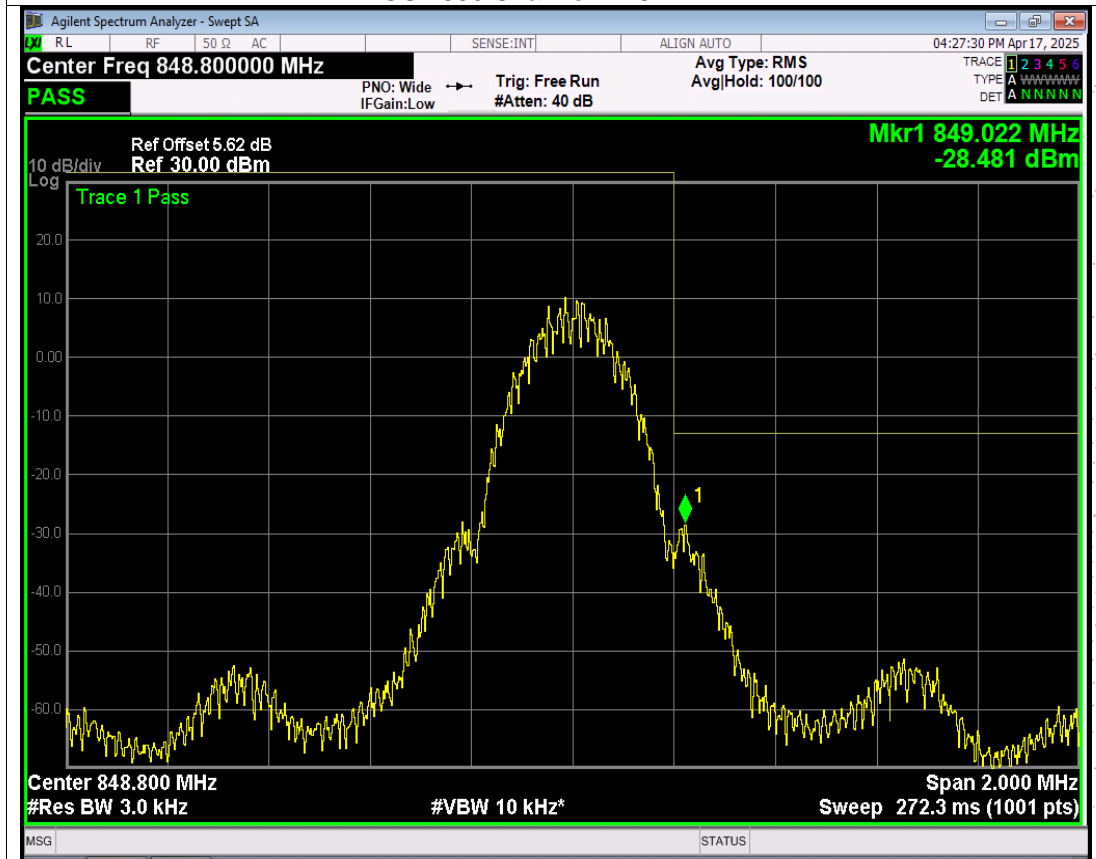
The RF output terminal of the transmitter was connected to the input of the spectrum analyzer via a suitable attenuation. The RBW of the spectrum analyzer was set to 100kHz and 1MHz for the scan frequency from 30MHz to 1GHz and the scan frequency from 1GHz to up to 10th harmonic. At the edge of the authorized Frequency block/band: RBW set 1%-5%OBW.

9.4 Test Result

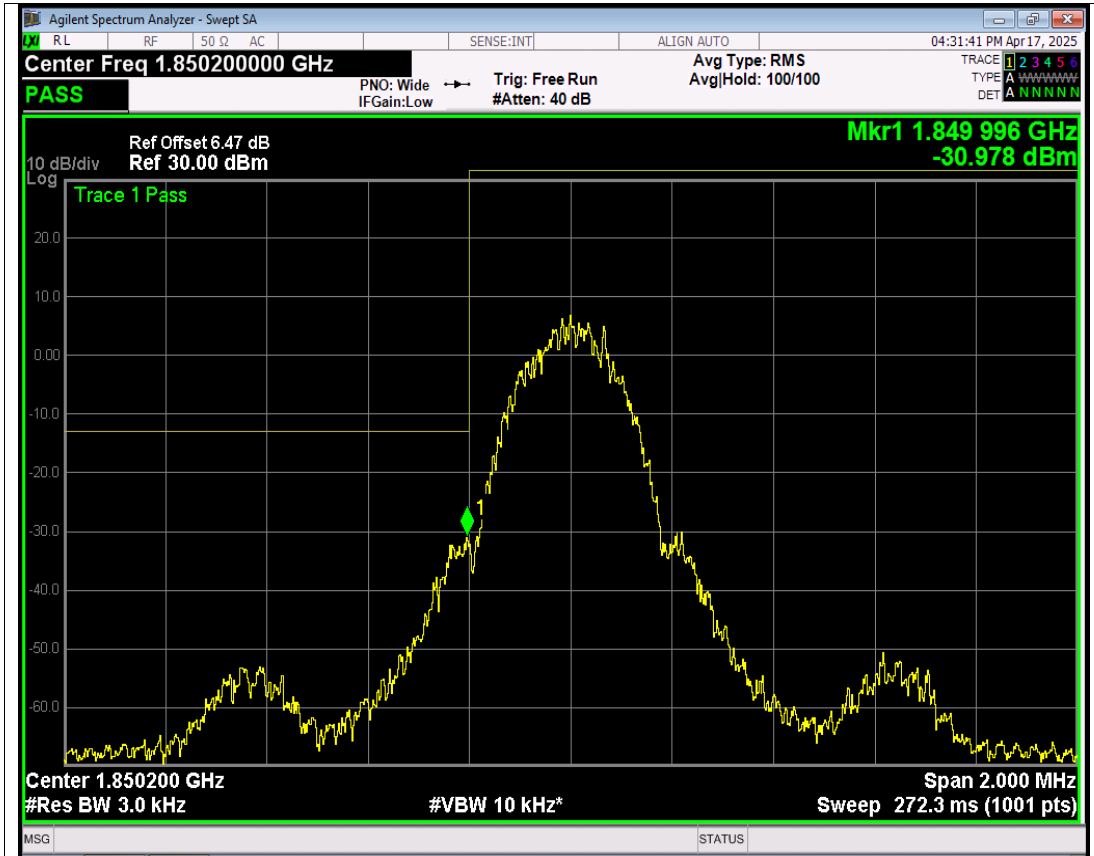




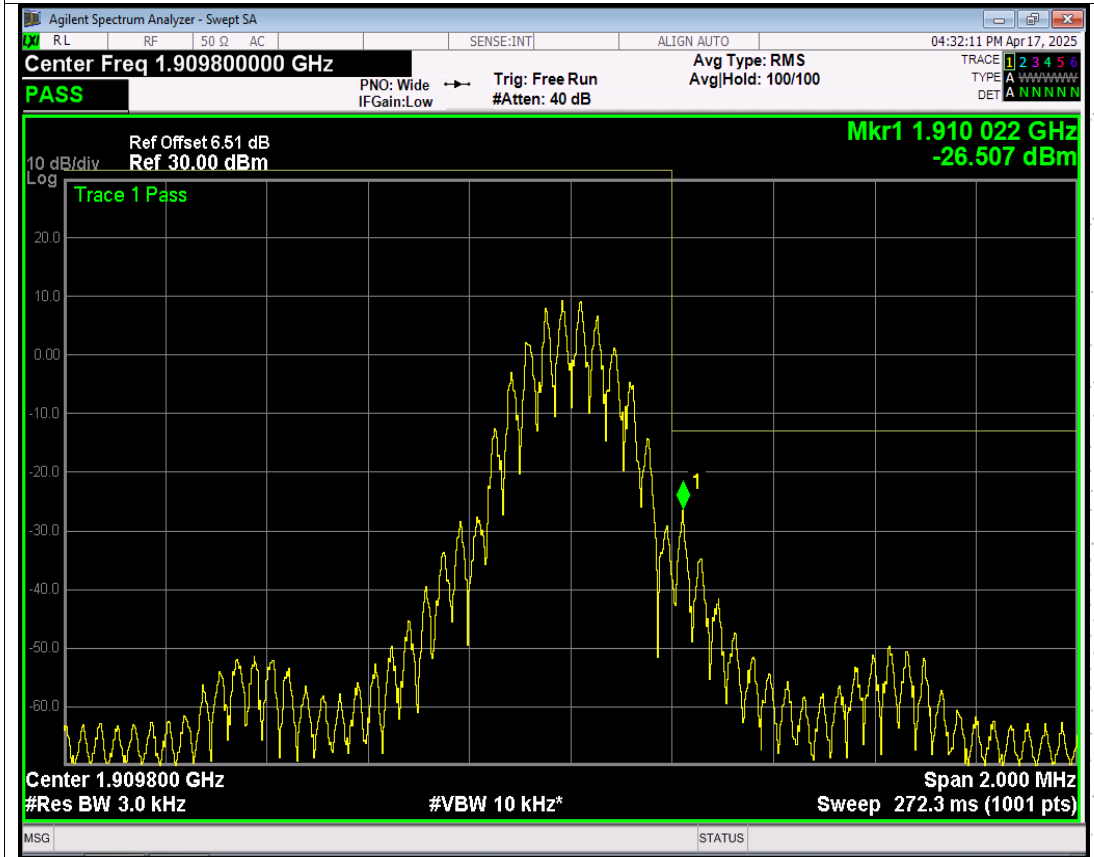
GSM850 Channel=128 NVNT



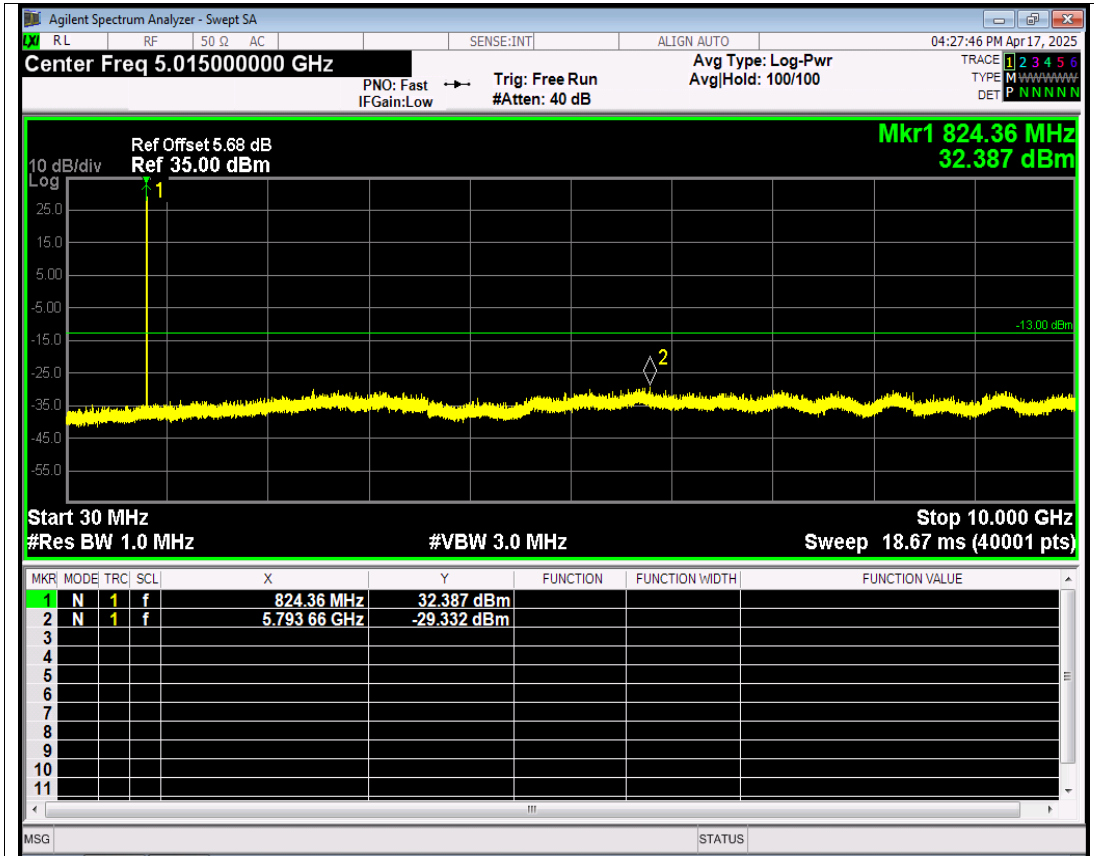
GSM850 Channel=251 NVNT



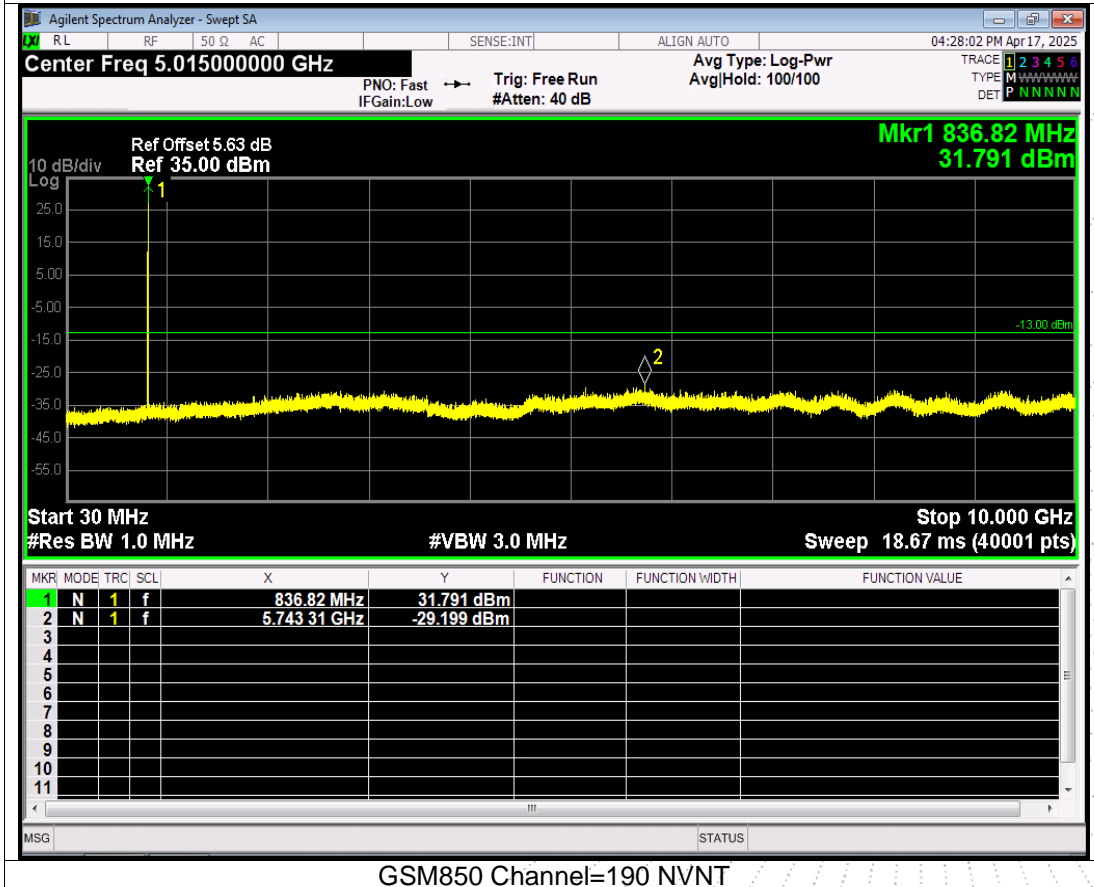
GSM1900 Channel=512 NVNT



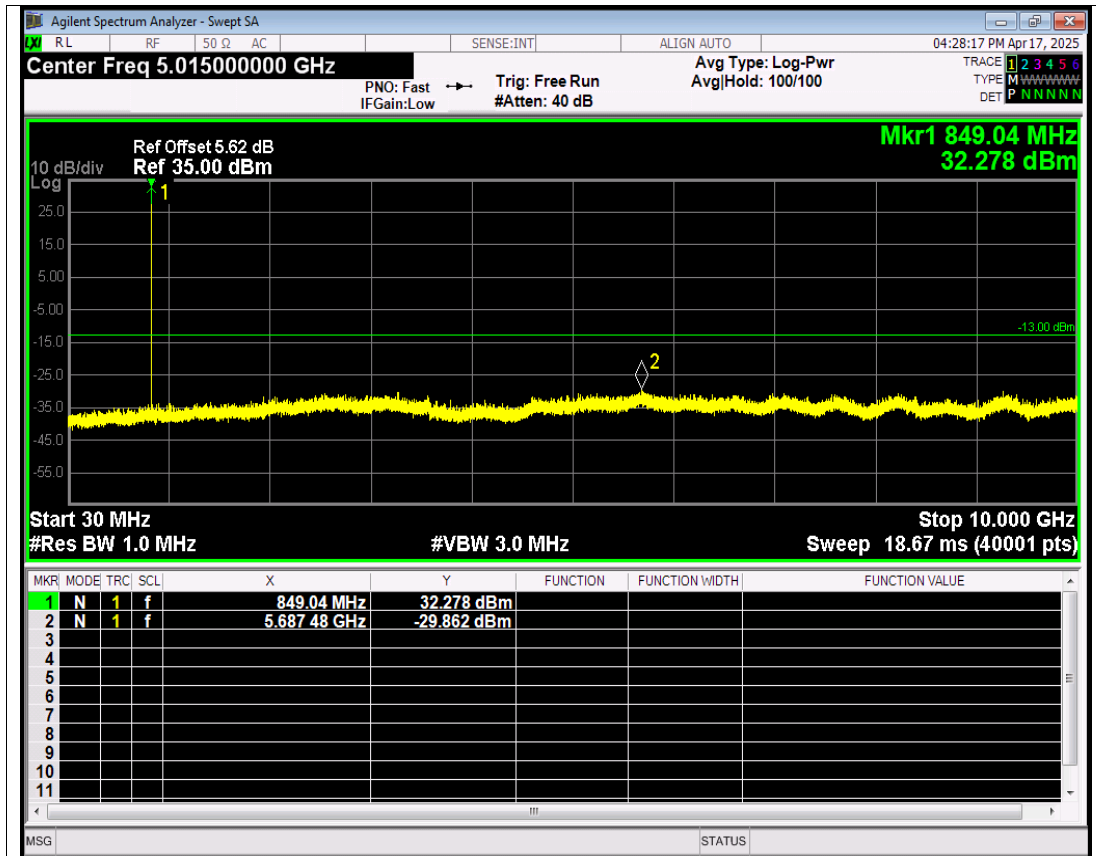
GSM1900 Channel=810 NVNT



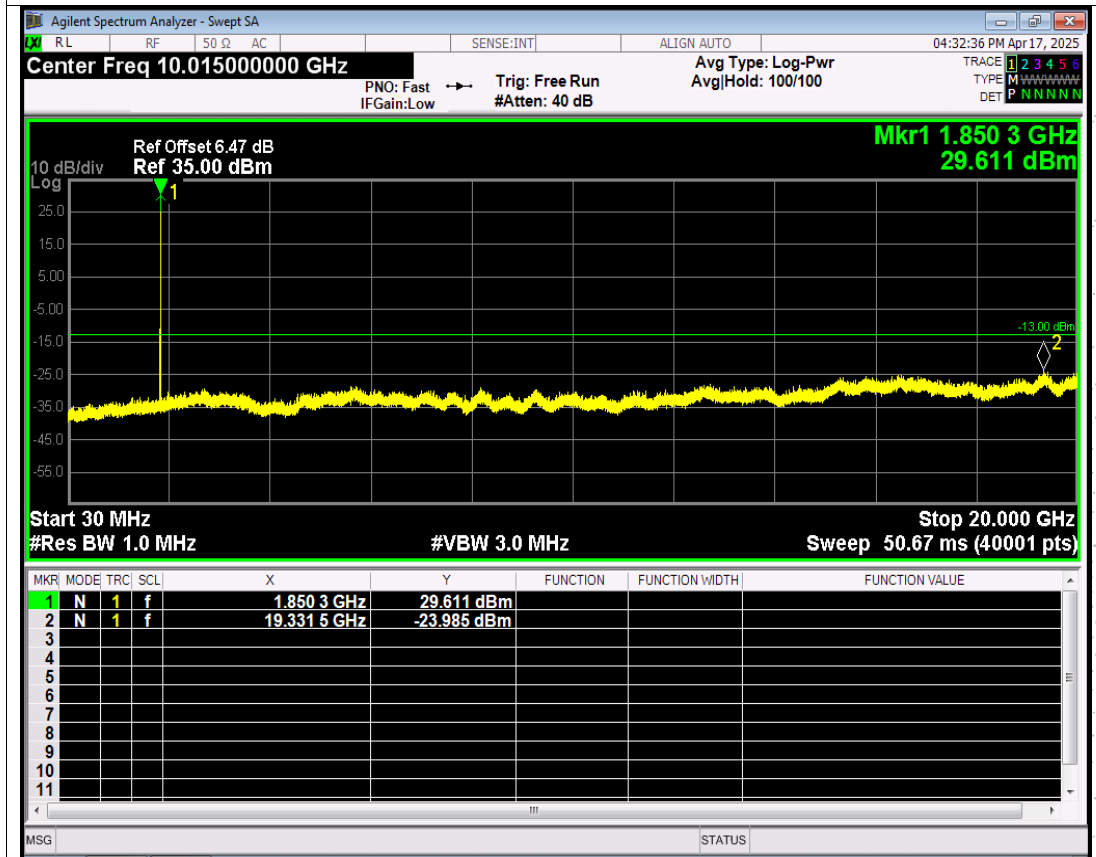
GSM850 Channel=128 NVNT



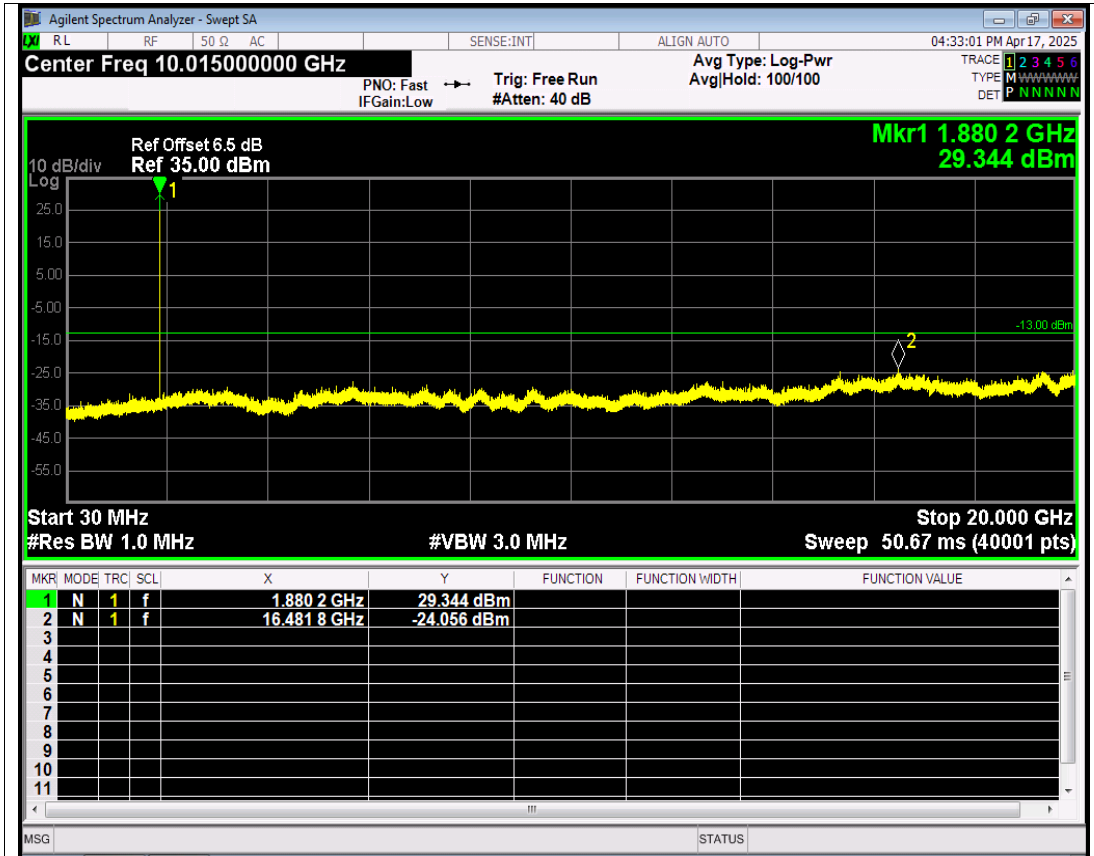
GSM850 Channel=190 NVNT



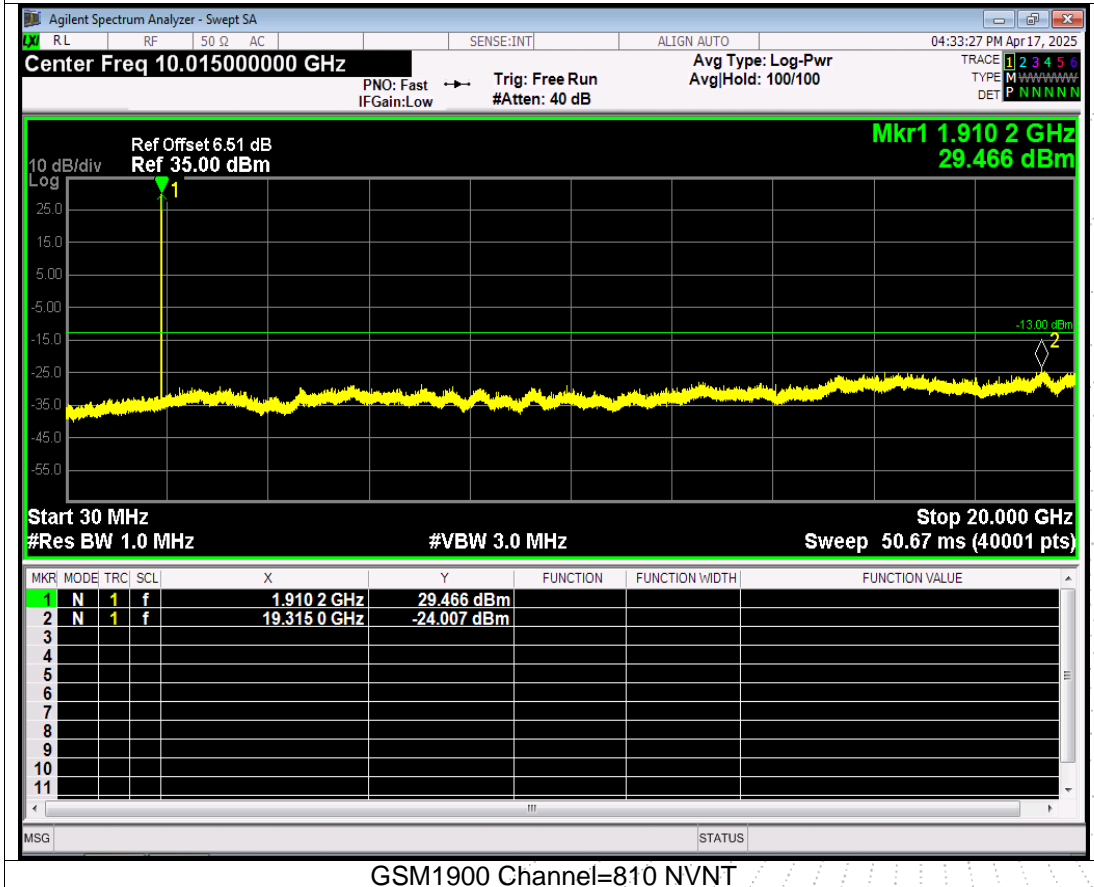
GSM850 Channel=251 NVNT



GSM1900 Channel=512 NVNT



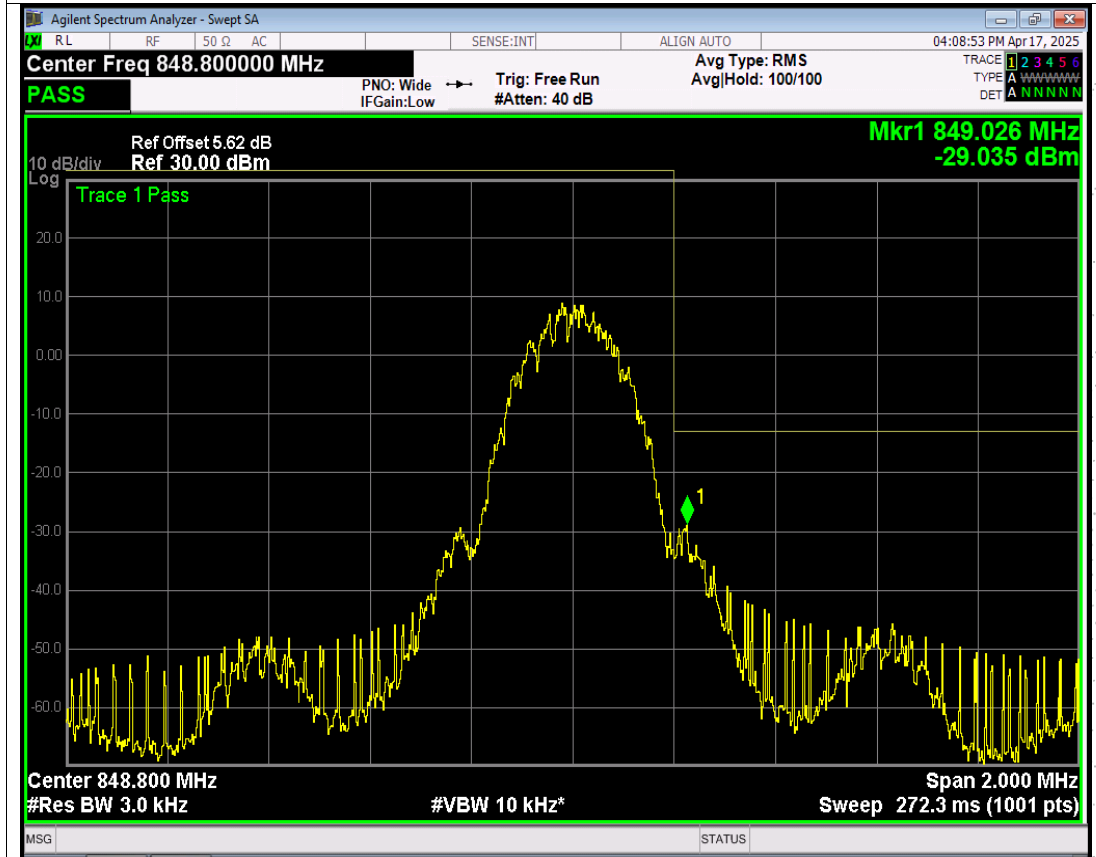
GSM1900 Channel=661 NVNT



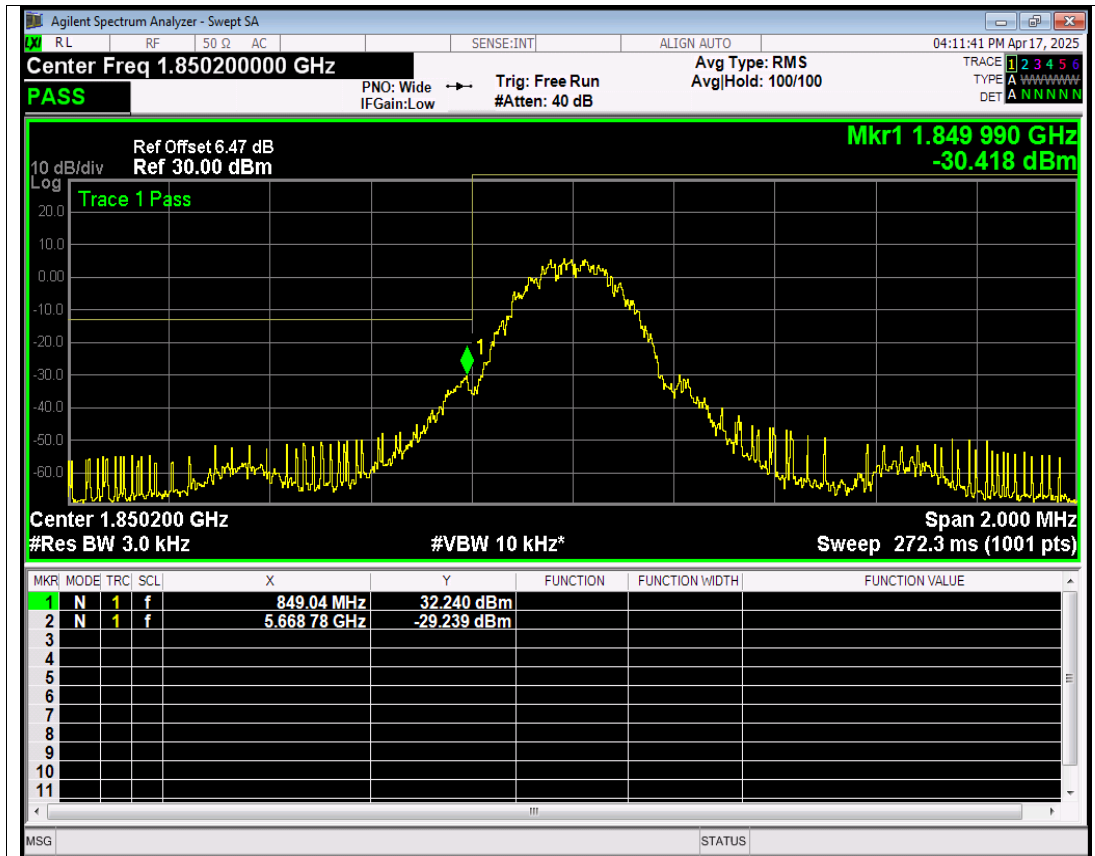
GSM1900 Channel=810 NVNT



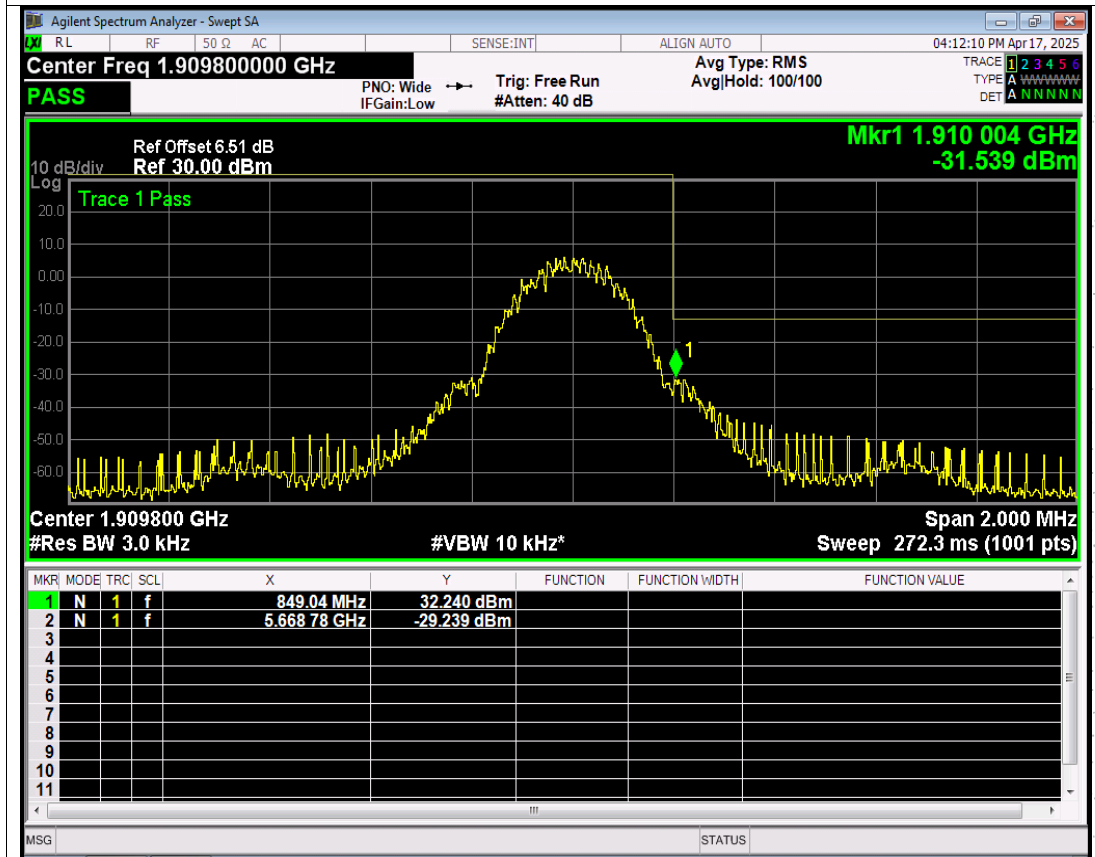
GPRS850 Channel=128 NVNT



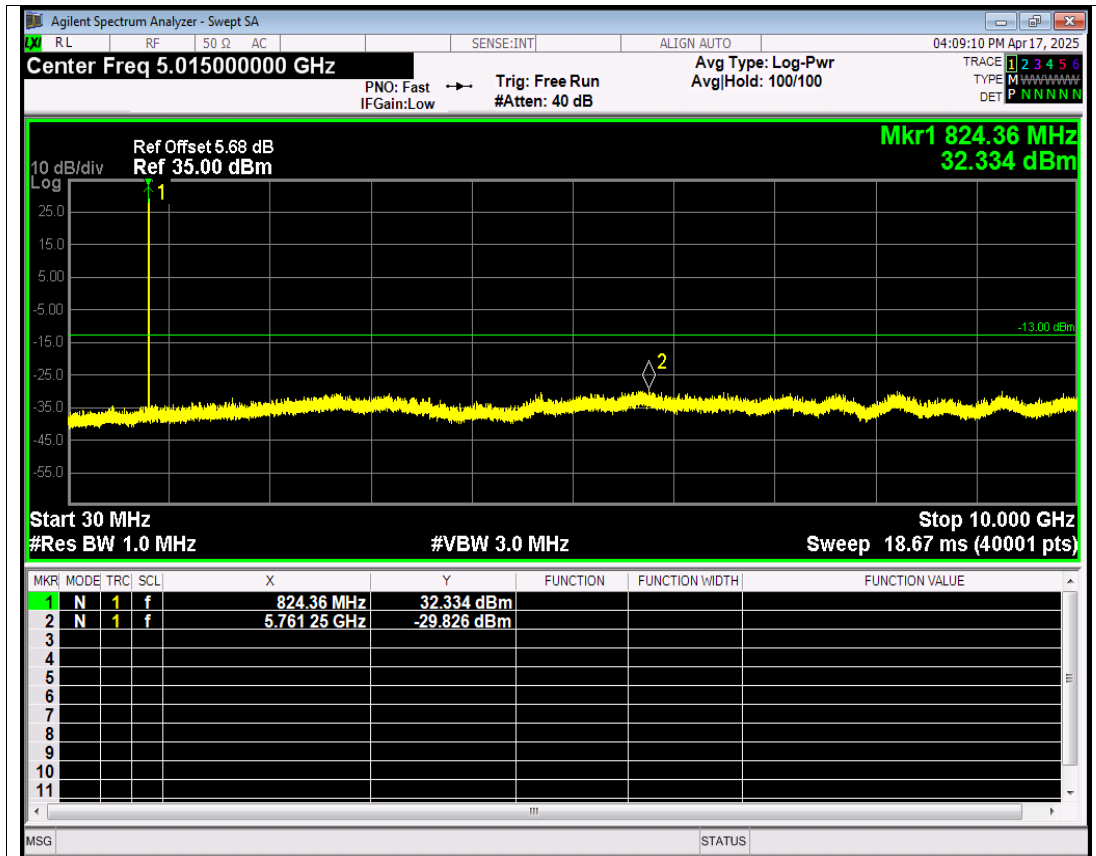
GPRS850 Channel=251 NVNT



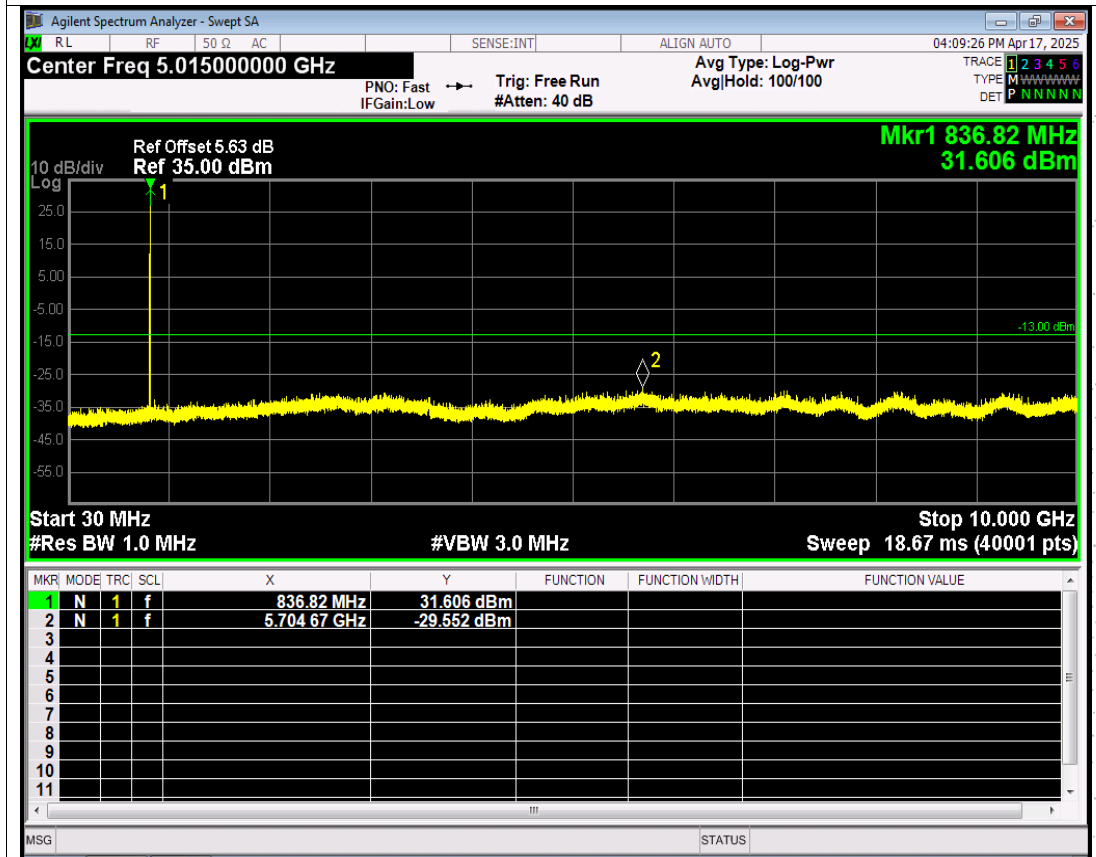
GPRS1900 Channel=512 NVNT



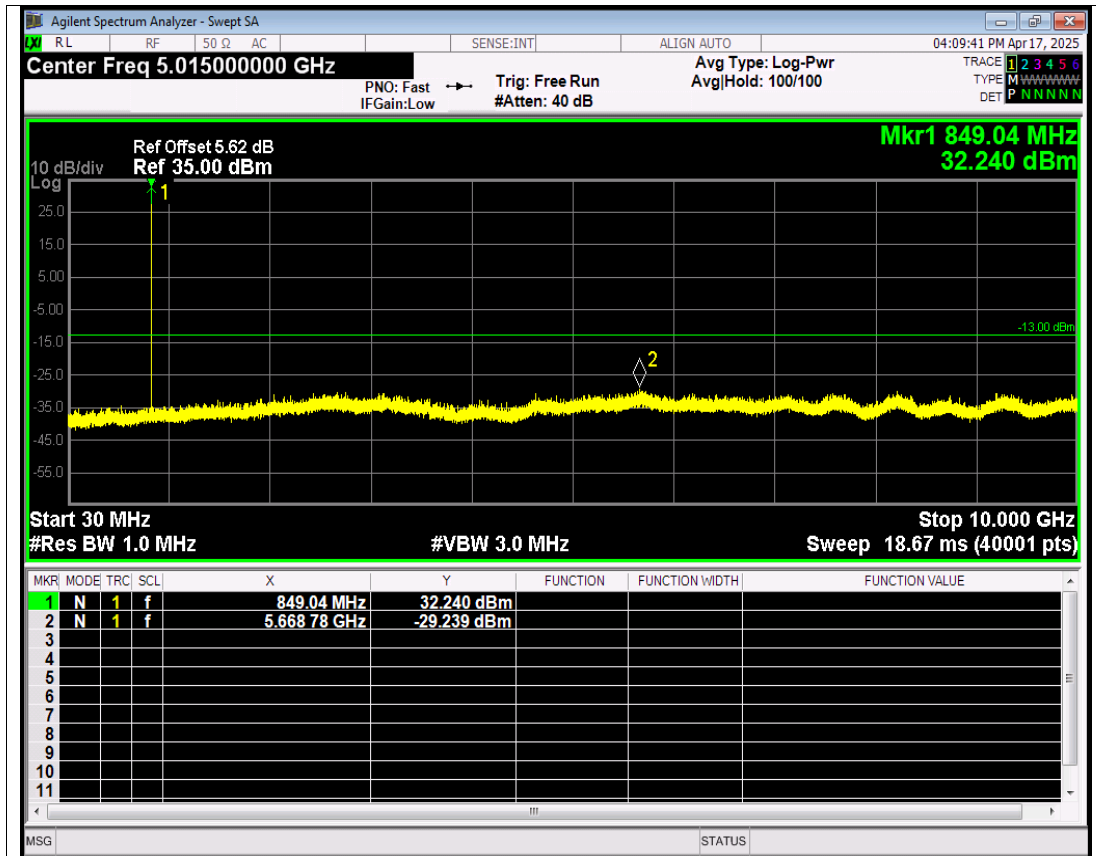
GPRS1900 Channel=810 NVNT



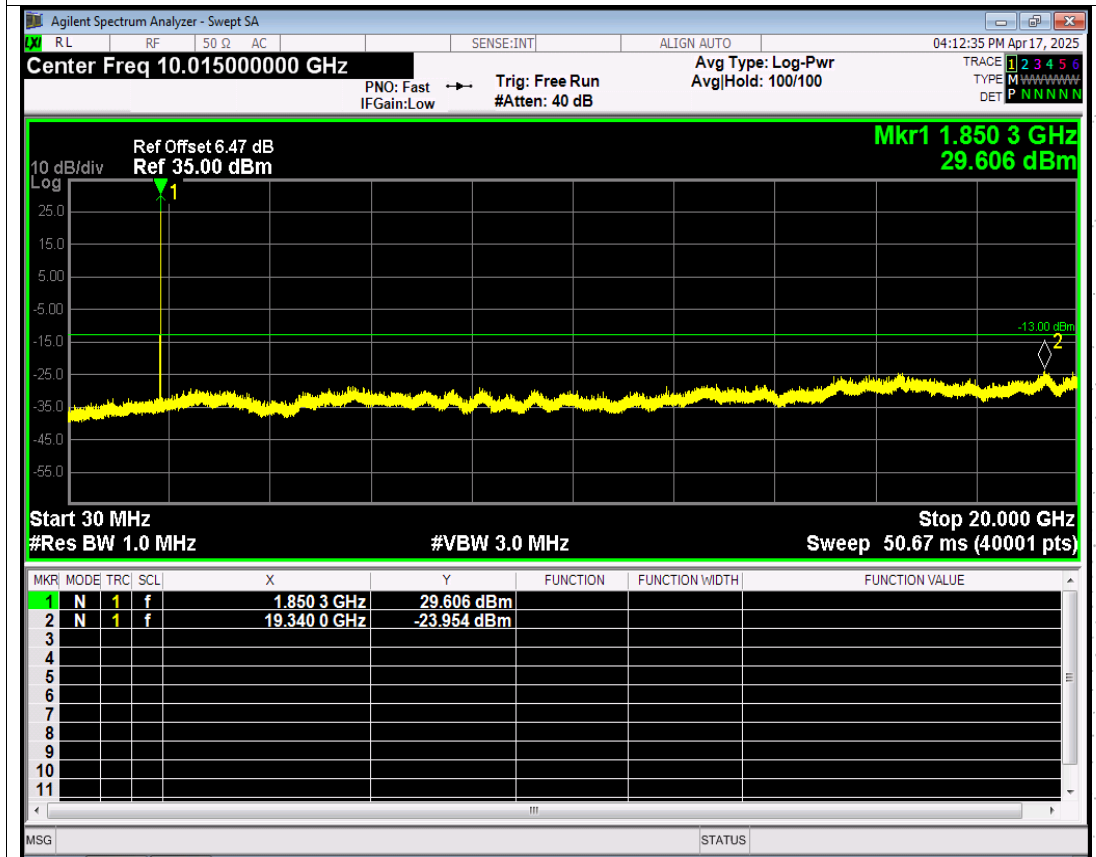
GPRS850 Channel=128 NVNT



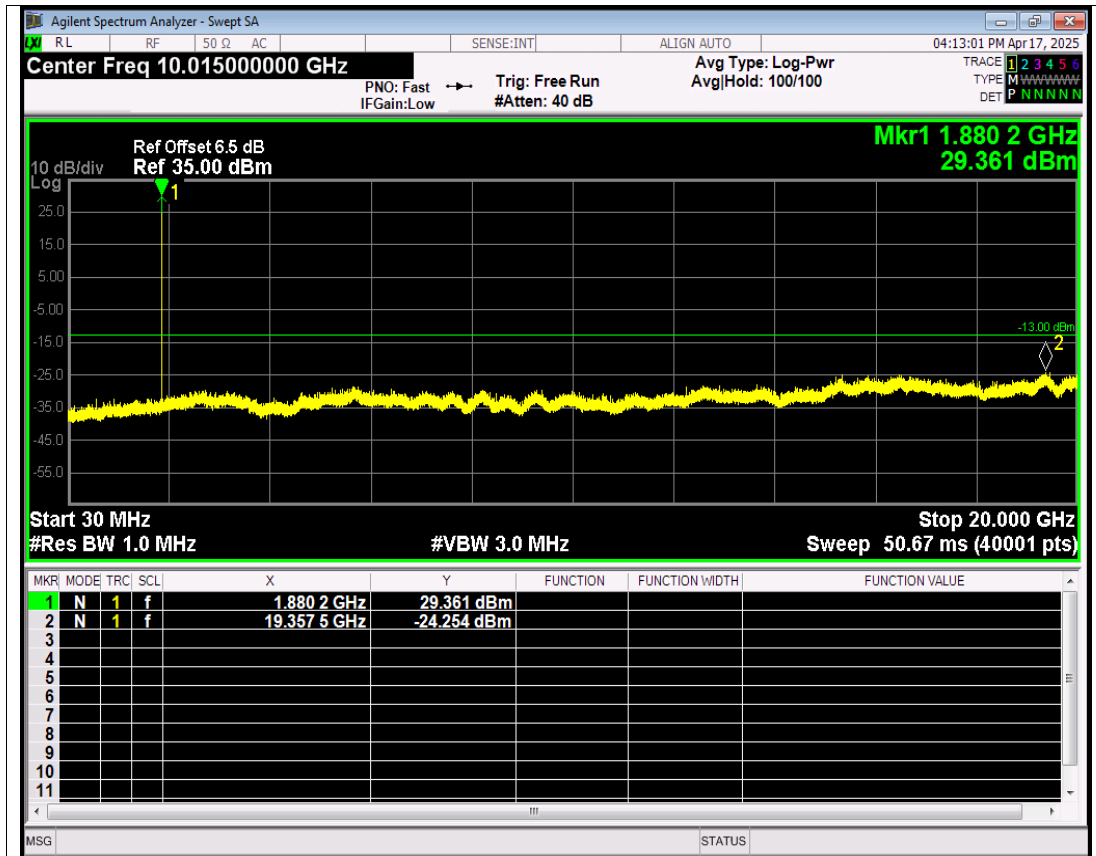
GPRS850 Channel=190 NVNT



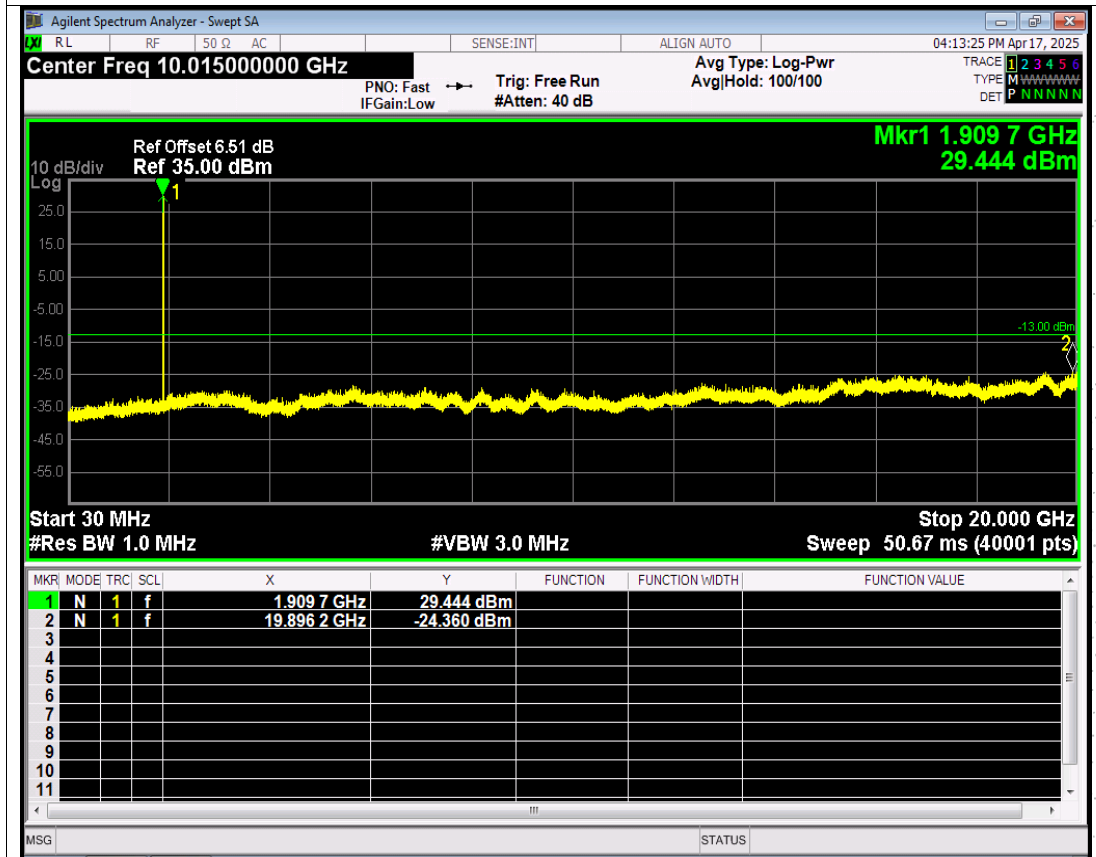
GPRS850 Channel=251 NVNT



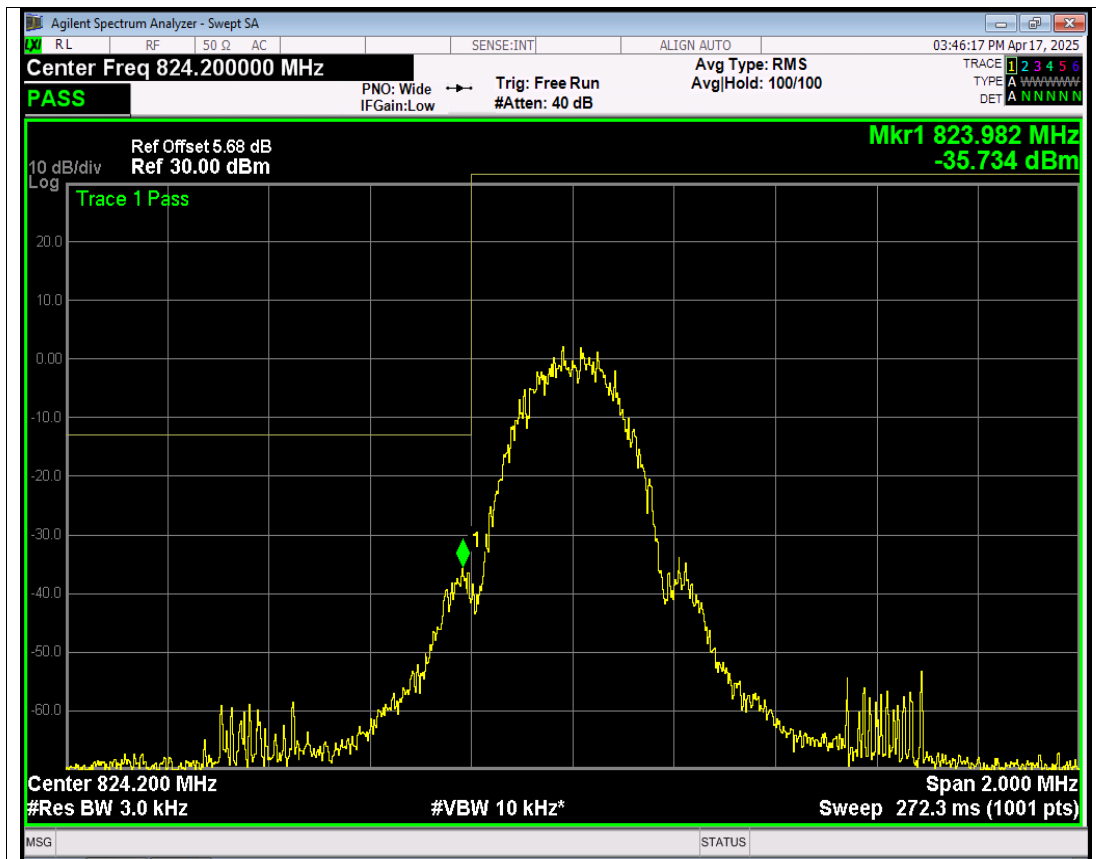
GPRS1900 Channel=512 NVNT



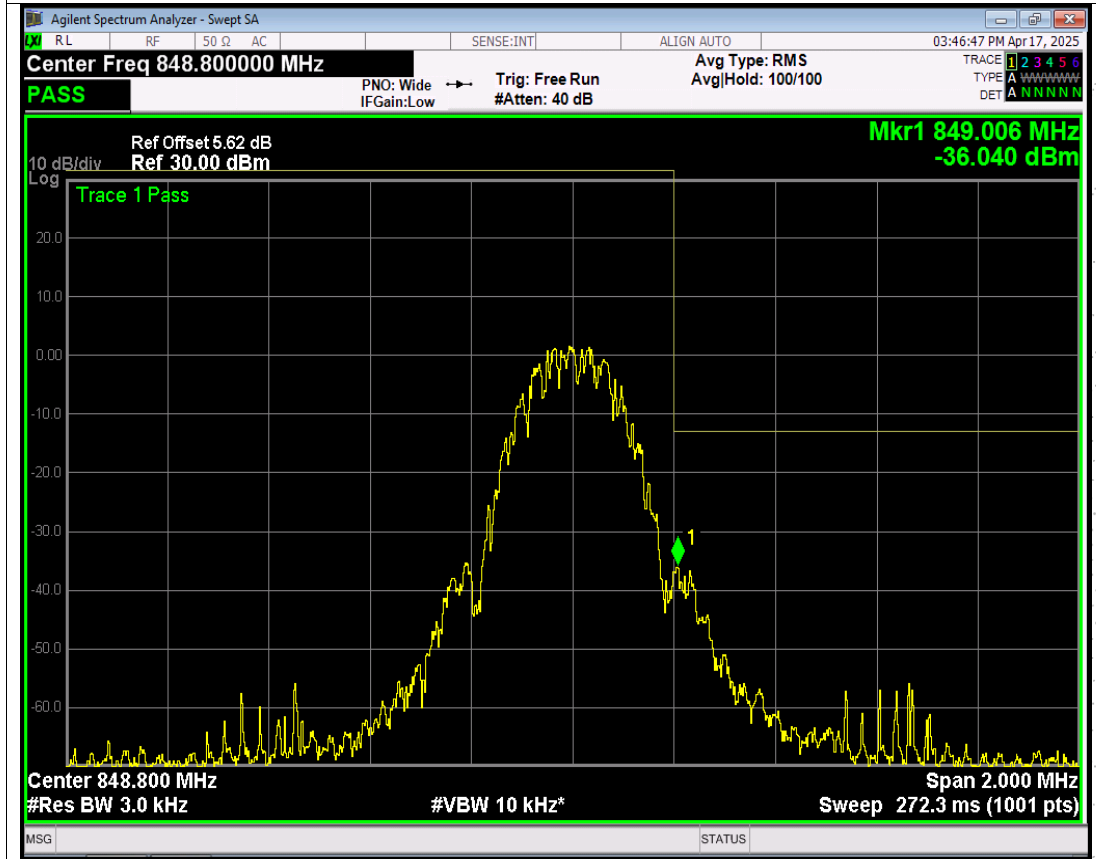
GPRS1900 Channel=661 NVNT



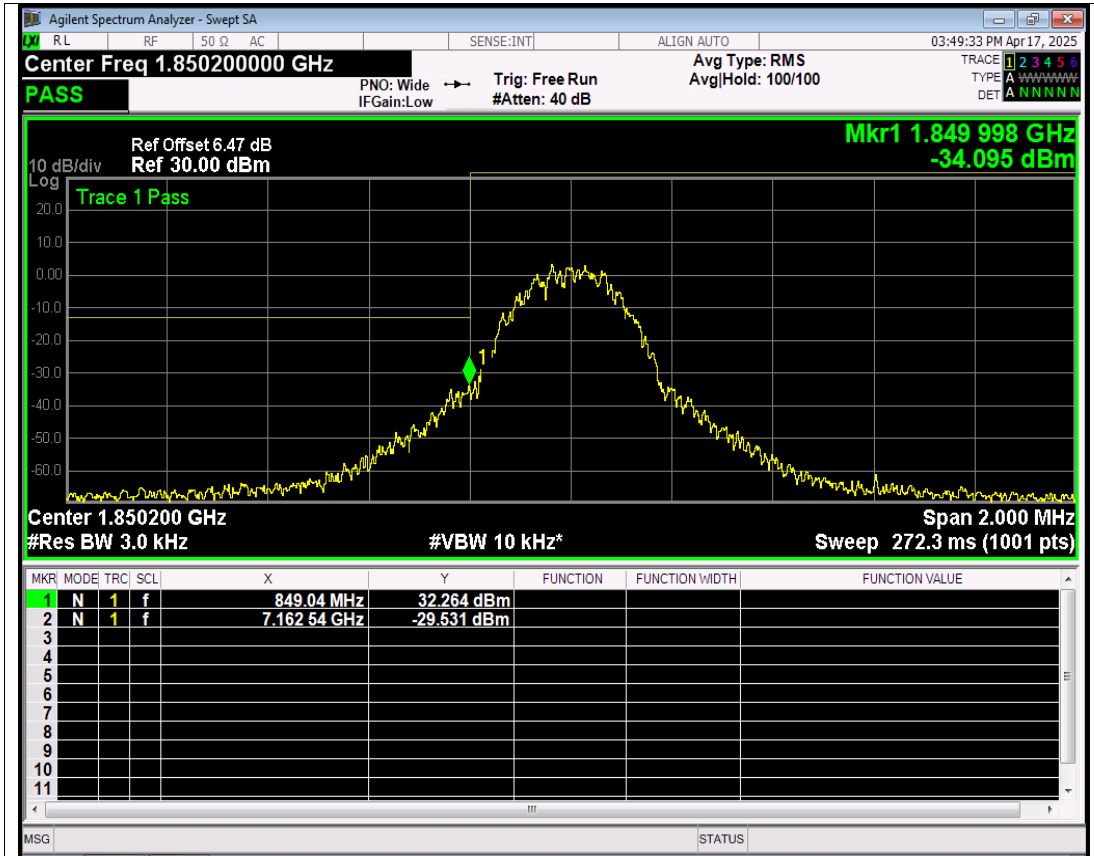
GPRS1900 Channel=810 NVNT



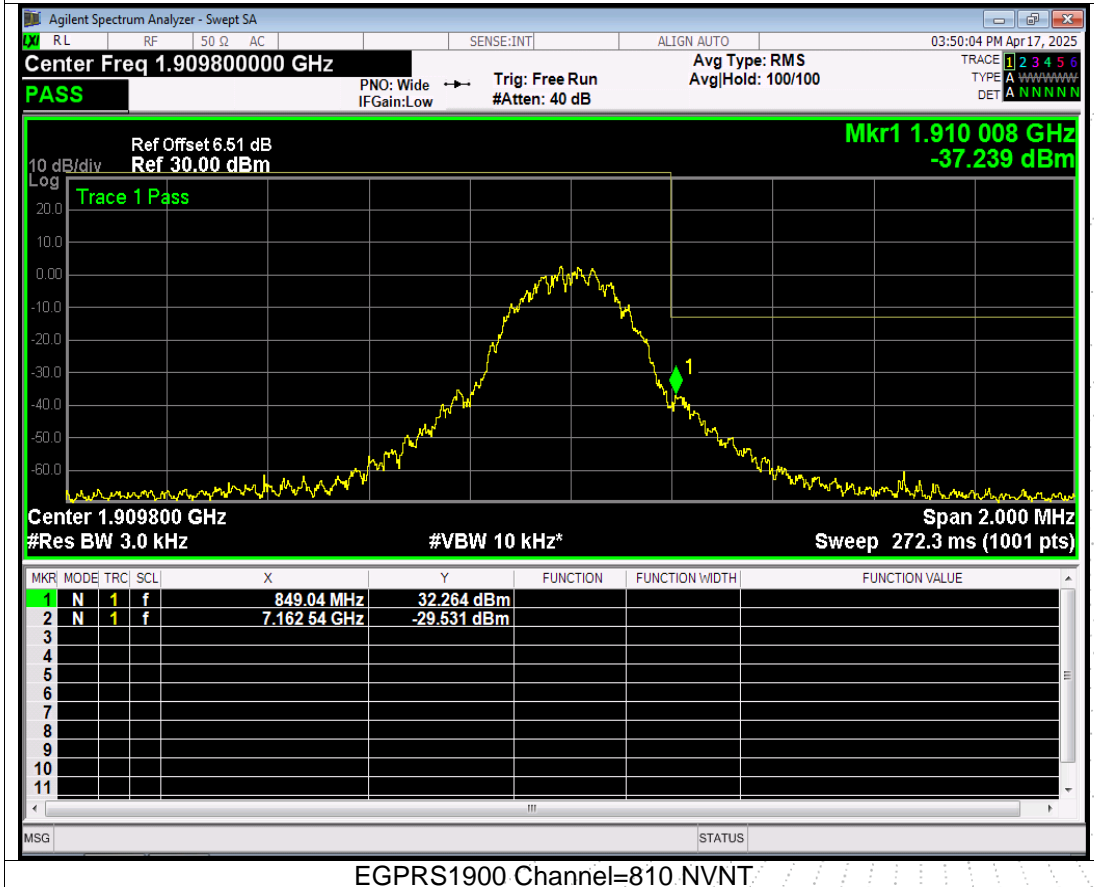
EGPRS850 Channel=128 NVNT



EGPRS850 Channel=251 NVNT



EGPRS1900 Channel=512 NVNT



EGPRS1900 Channel=810 NVNT