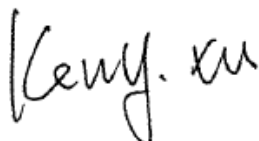


TEST REPORT

Application No.: SZEM1903011703CR
Applicant: Hytera Communications Corporation Limited
Address of Applicant: Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, 518057, China
Manufacturer: Hytera Communications Corporation Limited
Address of Manufacturer: Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, 518057, China
Equipment Under Test (EUT):
EUT Name: PoC LTE Terminal
Model No.: PNC370
Trade mark: Hytera
FCC ID: YAMPNC370
Standard(s) : 47 CFR Part 2
 47 CFR Part 22 subpart H
 47 CFR Part 24 subpart E
Date of Receipt: 2019-03-14
Date of Test: 2019-03-15 to 2019-04-01
Date of Issue: 2019-04-04

| | |
|---------------------|--------------|
| Test Result: | Pass* |
|---------------------|--------------|

* In the configuration tested, the EUT complied with the standards specified above.



Keny Xu
 EMC Laboratory Manager



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| <i>Revision Record</i> | | | | |
|------------------------|----------------|-------------|-----------------|---------------|
| <i>Version</i> | <i>Chapter</i> | <i>Date</i> | <i>Modifier</i> | <i>Remark</i> |
| 01 | | 2019-04-04 | | Original |
| | | | | |
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|---------------------------------|--|---|--|
| Authorized for issue by: | | | |
| | |  | |
| | | <hr/> Edison Li /Project Engineer | |
| | |  | |
| | | <hr/> Eric Fu /Reviewer | |



2 Test Summary

| Test Item | FCC Rule No. | Requirements | Verdict |
|--|---------------------------------|--|---------|
| Effective (Isotropic) Radiated Power Output Data | §2.1046, §22.913, §24.232 | ERP≤7W(GPRS850) EIRP≤2W(GPRS1900) | PASS |
| Peak-Average Ratio | §24.232 | ≤13dB | PASS |
| Modulation Characteristics | §2.1047 | Digital modulation | PASS |
| Bandwidth | §2.1049(h) | OBW: No limit EBW: No limit | PASS |
| Band Edge Compliance | §2.1051, §22.917, §24.238 | ≤ -13dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block. | PASS |
| Spurious emissions at antenna terminals | §2.1051, §22.917, §24.238 | ≤ -13dBm | PASS |
| Field strength of spurious radiation | §2.1051, §22.917, §24.238 | ≤ -13dBm | PASS |
| Frequency stability | §2.1055, §22.355, §24.235 | ≤ ±2.5ppm | PASS |



3 Contents

| | Page |
|--|------|
| 1 COVER PAGE | 1 |
| 2 TEST SUMMARY | 3 |
| 3 CONTENTS | 4 |
| 4 GENERAL INFORMATION | 6 |
| 4.1 DETAILS OF E.U.T. | 6 |
| 4.2 TEST FREQUENCY | 7 |
| 4.3 TEST ENVIRONMENT | 7 |
| 4.4 DESCRIPTION OF SUPPORT UNITS | 8 |
| 4.5 MEASUREMENT UNCERTAINTY | 8 |
| 4.6 TEST LOCATION..... | 9 |
| 4.7 TEST FACILITY..... | 9 |
| 4.8 DEVIATION FROM STANDARDS..... | 9 |
| 4.9 ABNORMALITIES FROM STANDARD CONDITIONS | 9 |
| 5 EQUIPMENT LIST..... | 10 |
| 6 RADIO SPECTRUM MATTER TEST RESULTS..... | 12 |
| 6.1 EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA | 12 |
| 6.1.1 E.U.T. Operation | 12 |
| 6.1.2 Test Setup Diagram..... | 12 |
| 6.1.3 Measurement Data | 12 |
| 6.2 PEAK-AVERAGE RATIO | 14 |
| 6.2.1 E.U.T. Operation | 14 |
| 6.2.2 Test Setup Diagram..... | 14 |
| 6.2.3 Measurement Data | 14 |
| 6.3 BANDWIDTH | 17 |
| 6.3.1 E.U.T. Operation | 17 |
| 6.3.2 Test Setup Diagram..... | 17 |
| 6.3.3 Measurement Data | 17 |
| 6.4 BAND EDGE COMPLIANCE | 23 |
| 6.4.1 E.U.T. Operation | 23 |
| 6.4.2 Test Setup Diagram..... | 23 |
| 6.4.3 Measurement Data | 23 |
| 6.5 SPURIOUS EMISSIONS AT ANTENNA TERMINALS | 26 |
| 6.5.1 E.U.T. Operation | 26 |
| 6.5.2 Test Setup Diagram..... | 26 |
| 6.5.3 Measurement Data | 26 |
| 6.6 FIELD STRENGTH OF SPURIOUS RADIATION..... | 31 |
| 6.6.1 E.U.T. Operation | 31 |
| 6.6.2 Test Setup Diagram..... | 31 |
| 6.6.3 Measurement Procedure and Data..... | 32 |
| 6.7 FREQUENCY STABILITY..... | 37 |



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6.7.1 E.U.T. Operation37
6.7.2 Test Setup Diagram37
6.7.3 Measurement Data37
6.8 MODULATION CHARACTERISTICS44
6.8.1 E.U.T. Operation44
6.8.2 Test Setup Diagram44
6.8.3 Measurement Data 44-50



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4 General Information

4.1 Details of E.U.T.

| | |
|------------------------------|--|
| Power supply: | Switching Power Supply Model: S010WU0500200 Input: AC 100-240V, 50/60Hz, 400mA Output: DC 5.0V, 2000mA DC 3.6V, 3100mAh rechargeable battery which charged by USB port |
| Sample Type: | Portable production |
| Support Network: | GPRS, EGPRS |
| Operation Frequency Band: | GPRS850/GPRS1900 |
| Modulation Type: | GMSK for GPRS/EGPRS; 8PSK for EGPRS; |
| Supported Channel Bandwidth: | 200KHz; |
| GPRS Multi-slots Class: | 33 |
| EGPRS Multi-slots Class: | 33 |
| Power Class: | 4, tested with power level 5(GSM850) 1, tested with power level 0(GSM1900) |
| Designation of Emissions | GPRS850: 247KGXW, EGPRS850: 248KG7W GPRS1900: 247KGXW, EGPRS1900: 246KG7W |
| Antenna Type: | LDS Antenna |
| Antenna Gain: | 0dBi |
| Extreme temp. Tolerance: | -30°C to +50°C |
| Extreme vol. Limits: | 3.06VDC to 4.14VDC (nominal: 3.6VDC) |



4.2 Test Frequency

| Test mode: | TX / RX | RF Channel | | |
|------------|---------|-------------|-------------|-------------|
| | | Low (L) | Middle (M) | High (H) |
| GPRS850 | TX | Channel 128 | Channel 190 | Channel 251 |
| | | 824.2MHz | 836.6 MHz | 848.8 MHz |
| | RX | Channel 128 | Channel 190 | Channel 251 |
| | | 869.2 MHz | 881.6 MHz | 893.8 MHz |
| Test mode: | TX / RX | RF Channel | | |
| | | Low (L) | Middle (M) | High (H) |
| GPRS1900 | TX | Channel 512 | Channel 661 | Channel 810 |
| | | 1850.2MHz | 1880.0 MHz | 1909.8 MHz |
| | RX | Channel 512 | Channel 661 | Channel 810 |
| | | 1930.2 MHz | 1960.0 MHz | 1989.8 MHz |

4.3 Test Environment

| Environment Parameter | Selected Values During Tests | |
|-----------------------|------------------------------|--------|
| Relative Humidity | 52% | |
| Atmospheric Pressure: | 1015Pa | |
| Temperature: | TN | 25 °C |
| Voltage: | VL | 3.06 V |
| | VN | 3.6 V |
| | VH | 4.14 V |

NOTE: VL= lower extreme test voltage
VN= nominal voltage
VH= upper extreme test voltage
TN= normal temperature



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4.4 Description of Support Units

The EUT has been tested independent unit.

4.5 Measurement Uncertainty

| No. | Item | Measurement Uncertainty |
|-----|---------------------------------|-------------------------|
| 1 | Radio Frequency | 7.25 x 10 ⁻⁸ |
| 2 | Occupied Bandwidth | 3% |
| 3 | RF conducted power | 0.75dB |
| 4 | Conducted Spurious emissions | 0.75dB |
| 5 | RF Radiated power | 4.5dB (below 1GHz) |
| | | 4.8dB (above 1GHz) |
| 6 | Radiated Spurious emission test | 4.5dB (Below 1GHz) |
| | | 4.8dB (Above 1GHz) |
| 7 | Temperature test | 1 °C |
| 8 | Humidity test | 3% |
| 9 | Supply voltages | 1.5% |
| 10 | Time | 3% |



4.6 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS (No. CNAS L2929)**

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

- **VCCI**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

- **FCC –Designation Number: CN1178**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.8 Deviation from Standards

None

4.9 Abnormalities from Standard Conditions

None



5 Equipment List

| RF conducted test | | | | | |
|---|----------------------|--------------------------|---------------|------------|---------------|
| Test Equipment | Manufacturer | Model No. | Inventory No. | Cal. Date | Cal. Due date |
| DC Power Supply | ZhaoXin | PS-3005D | SEM011-05 | 2018-09-25 | 2019-09-24 |
| Spectrum Analyzer (20Hz-43GHz) | Rohde & Schwarz | FSU43 | SEM004-08 | 2018-04-13 | 2019-04-12 |
| Signal Analyzer (10Hz-40GHz) | Rohde & Schwarz | FSV40 | SEM008-04 | 2018-04-02 | 2019-04-01 |
| Signal Generator (9kHz-40GHz) | KEYSIGHT | N5173B | SEM006-05 | 2018-09-27 | 2019-09-26 |
| Measurement Software | JS Tonscend | JS1120-2 BT/WIFI V2.6 | N/A | N/A | N/A |
| Coaxial Cable | SGS | N/A | SEM031-01 | 2018-07-12 | 2019-07-11 |
| Attenuator | Weinschel Associates | WA41 | SEM021-09 | N/A | N/A |
| Universal Radio Communication Tester | Rohde & Schwarz | CMW 500 | SEM010-03 | 2018-04-02 | 2019-04-01 |
| Universal Radio Communication Tester | Rohde & Schwarz | CMU200 | SEM010-02 | 2018-04-02 | 2019-04-01 |
| Power Splitter | Narda | 4324-2 | 0168 | N/A | N/A |

| RE in Chamber | | | | | |
|-------------------------------------|---------------------------------------|---------------------|---------------|------------|---------------|
| Test Equipment | Manufacturer | Model No. | Inventory No. | Cal. Date | Cal. Due date |
| 3m Semi-Anechoic Chamber | AUDIX | N/A | SEM001-02 | 2018-03-13 | 2021-03-12 |
| EXA Signal Analyzer (10Hz-44GHz) | Agilent Technologies Inc | N9010A | SEM004-12 | 2018-04-13 | 2019-04-12 |
| BiConiLog Antenna (26-3000MHz) | ETS-Lindgren | 3142C | SEM003-01 | 2017-06-27 | 2020-06-26 |
| Horn Antenna (800MHz-18GHz) | Rohde & Schwarz | HF907 | SEM003-07 | 2018-04-13 | 2021-04-12 |
| Horn Antenna (15-40GHz) | Schwarzbeck | BBHA 9170 | SEM003-15 | 2017-10-17 | 2020-10-16 |
| Amplifier (0.1-1300MHz) | HP | 8447D | SEM005-02 | 2018-09-25 | 2019-09-24 |
| Pre-Amplifier (0.1-26.5GHz) | Compliance Directions Systems Inc. | PAP-0126 | SEM004-11 | 2018-11-12 | 2019-11-11 |
| Pre-amplifier (26-40GHz) | Compliance Directions Systems Inc. | PAP-2640-50 | SEM005-08 | 2018-04-02 | 2019-04-01 |
| Measurement Software | AUDIX | e3 V8.2014-6- 27 | N/A | N/A | N/A |
| Coaxial Cable | SGS | N/A | SEM026-01 | 2018-07-12 | 2019-07-11 |



| | | | | | |
|----------------------|--------------|---------|-----------|------------|------------|
| Substitution Antenna | ETS-Lindgren | 3142C | SEM003-01 | 2017-06-27 | 2020-06-26 |
| Signal Generator | R&S | SMA100A | 102174 | 2018-07-12 | 2019-07-11 |

| RE in Chamber | | | | | |
|--------------------------------|----------------------|-----------------|---------------|------------|---------------|
| Test Equipment | Manufacturer | Model No. | Inventory No. | Cal. Date | Cal. Due date |
| 3m Semi-Anechoic Chamber | ETS-LINDGREN | N/A | SEM001-01 | 2017-08-05 | 2020-08-04 |
| MXE EMI Receiver (20Hz-8.4GHz) | Agilent Technologies | N9038A | SEM004-05 | 2018-09-25 | 2019-09-24 |
| BiConiLog Antenna (26-3000MHz) | ETS-LINDGREN | 3142C | SEM003-01 | 2017-06-27 | 2020-06-26 |
| Pre-amplifier (0.1-1300MHz) | Agilent Technologies | 8447D | SEM005-01 | 2018-04-02 | 2019-04-01 |
| | | | | 2019-04-01 | 2020-03-31 |
| Measurement Software | AUDIX | e3 V8.2014-6-27 | N/A | N/A | N/A |
| Coaxial Cable | SGS | N/A | SEM025-01 | 2018-07-12 | 2019-07-11 |
| Substitution Antenna | ETS-Lindgren | 3142C | SEM003-01 | 2017-06-27 | 2020-06-26 |
| Signal Generator | R&S | SMA100A | 102174 | 2018-07-12 | 2019-07-11 |

| General used equipment | | | | | |
|---------------------------------|---|----------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| Humidity/ Temperature Indicator | Shanghai Meteorological Industry Factory | ZJ1-2B | SEM002-03 | 2017-09-29 | 2018-09-28 |
| Humidity/ Temperature Indicator | Shanghai Meteorological Industry Factory | ZJ1-2B | SEM002-04 | 2017-09-29 | 2018-09-28 |
| Humidity/ Temperature Indicator | Mingle | N/A | SEM002-08 | 2017-09-29 | 2018-09-28 |
| Barometer | Changchun Meteorological Industry Factory | DYM3 | SEM002-01 | 2017-04-18 | 2018-04-17 |



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6 Radio Spectrum Matter Test Results

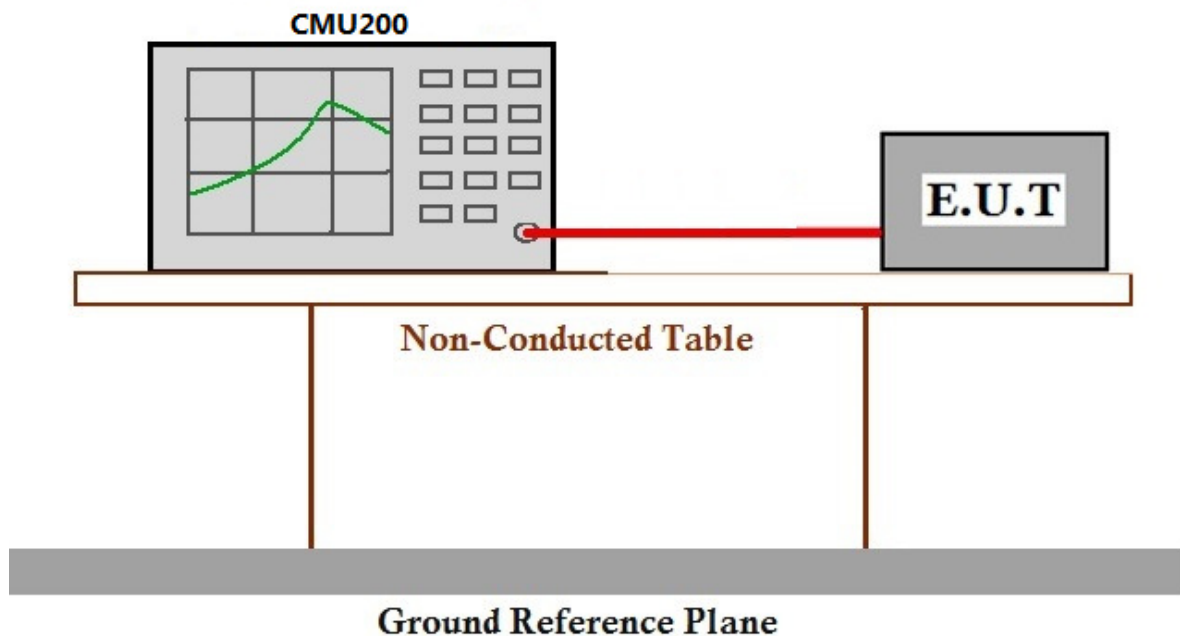
6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement: §2.1046, §22.913, §24.232
 Test Method: ANSI C63.26, KDB 971 168 D01 v03
 Limit: ERP≤7W(GPRS850)
 EIRP ≤ 2 W(GPRS1900)

6.1.1 E.U.T. Operation

Operating Environment:
 Temperature: 25 °C Humidity: 57 % RH Atmospheric Pressure: 1015 mbar
 Test mode: z: Tx mode, Keep the EUT in transmitting mode.

6.1.2 Test Setup Diagram



6.1.3 Measurement Data



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| Test band: GPRS850 | | | | | | | | | | |
|-----------------------------|------------|-------|-------|--------------------|--------------------|---------------|-------|-------------|-------------|-------|
| Conducted output power(dBm) | | | | Antenna gain (dBd) | Antenna gain (dBi) | FCC: ERP(dBm) | | | Limit (dBm) | |
| Channel | 128 | 190 | 251 | | | 128 | 190 | 251 | | |
| GPRS/EGPRS (GMSK) | 1 TX Slot | 31.78 | 31.85 | 31.82 | -2.15 | 0 | 29.63 | 29.7 | 29.67 | 38.45 |
| | 2 TX Slots | 30.53 | 30.48 | 30.21 | -2.15 | 0 | 28.38 | 28.33 | 28.06 | 38.45 |
| | 3 TX Slots | 29.21 | 29.12 | 29.08 | -2.15 | 0 | 27.06 | 26.97 | 26.93 | 38.45 |
| | 4 TX Slots | 26.88 | 26.58 | 26.47 | -2.15 | 0 | 24.73 | 24.43 | 24.32 | 38.45 |
| EGPRS(8PSK) | 1 TX Slot | 26.02 | 25.94 | 25.88 | -2.15 | 0 | 23.87 | 23.79 | 23.73 | 38.45 |
| | 2 TX Slots | 25.53 | 25.35 | 25.32 | -2.15 | 0 | 23.38 | 23.2 | 23.17 | 38.45 |
| | 3 TX Slots | 23.33 | 23.29 | 23.23 | -2.15 | 0 | 21.18 | 21.14 | 21.08 | 38.45 |
| | 4 TX Slots | 22.25 | 22.14 | 22.03 | -2.15 | 0 | 20.1 | 19.99 | 19.88 | 38.45 |

Note:

- 1) dBd= dBi-2.15
- 2) ERP= Conducted output power+Antenna gain (dBd)
- 3) EIRP= Conducted output power+Antenna gain (dBi)

| Test band: GPRS1900 | | | | | | | | | |
|-----------------------------|------------|-------|-------|--------------------|----------------|-------|-------|--------------|----|
| Conducted output power(dBm) | | | | Antenna gain (dBi) | FCC: EIRP(dBm) | | | Limit (dBm) | |
| Channel | 512 | 661 | 810 | | 512 | 661 | 810 | | |
| GPRS/EGPRS (GMSK) | 1 TX Slot | 29.83 | 29.79 | 29.86 | 0 | 29.83 | 29.79 | 29.86 | 33 |
| | 2 TX Slots | 28.46 | 28.44 | 28.51 | 0 | 28.46 | 28.44 | 28.51 | 33 |
| | 3 TX Slots | 27.18 | 26.87 | 26.91 | 0 | 27.18 | 26.87 | 26.91 | 33 |
| | 4 TX Slots | 24.79 | 24.72 | 24.75 | 0 | 24.79 | 24.72 | 24.75 | 33 |
| EGPRS(8PSK) | 1 TX Slot | 25.66 | 25.39 | 25.48 | 0 | 25.66 | 25.39 | 25.48 | 33 |
| | 2 TX Slots | 24.76 | 24.48 | 24.61 | 0 | 24.76 | 24.48 | 24.61 | 33 |
| | 3 TX Slots | 22.56 | 22.27 | 22.35 | 0 | 22.56 | 22.27 | 22.35 | 33 |
| | 4 TX Slots | 21.42 | 21.24 | 21.26 | 0 | 21.42 | 21.24 | 21.26 | 33 |

Note:

- 1) EIRP= Conducted output power+Antenna gain (dBi)



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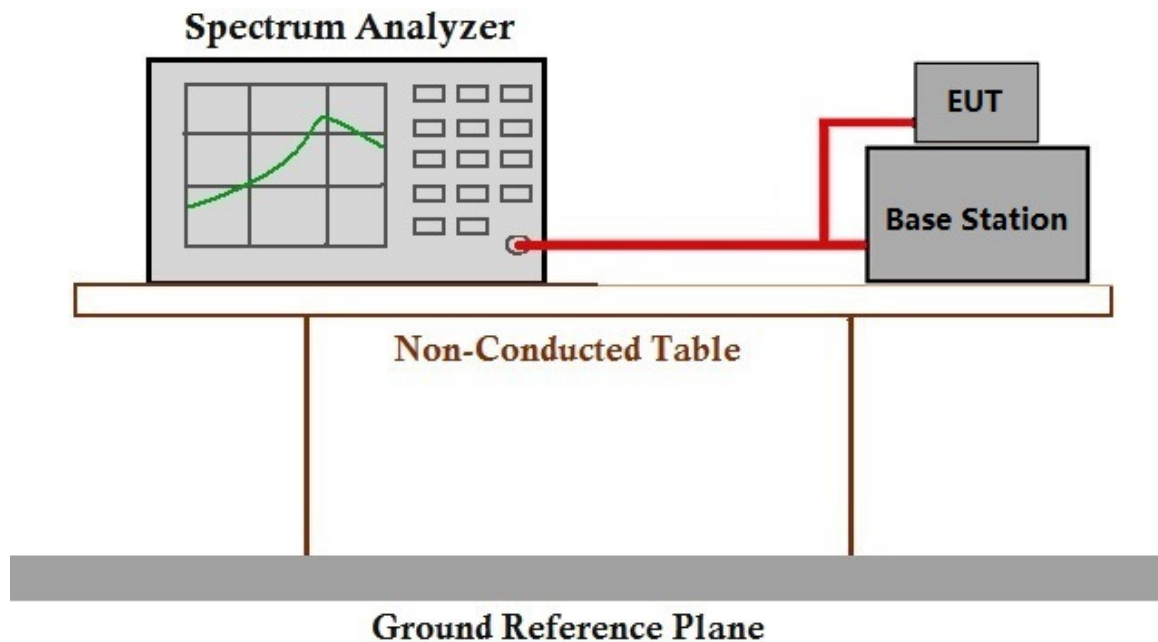
6.2 Peak-Average Ratio

Test Requirement: §24.232
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: ≤13dB

6.2.1 E.U.T. Operation

Operating Environment:
 Temperature: 25 °C Humidity: 57 % RH Atmospheric Pressure: 1015 mbar
 Test mode: z: Tx mode, Keep the EUT in transmitting mode.

6.2.2 Test Setup Diagram



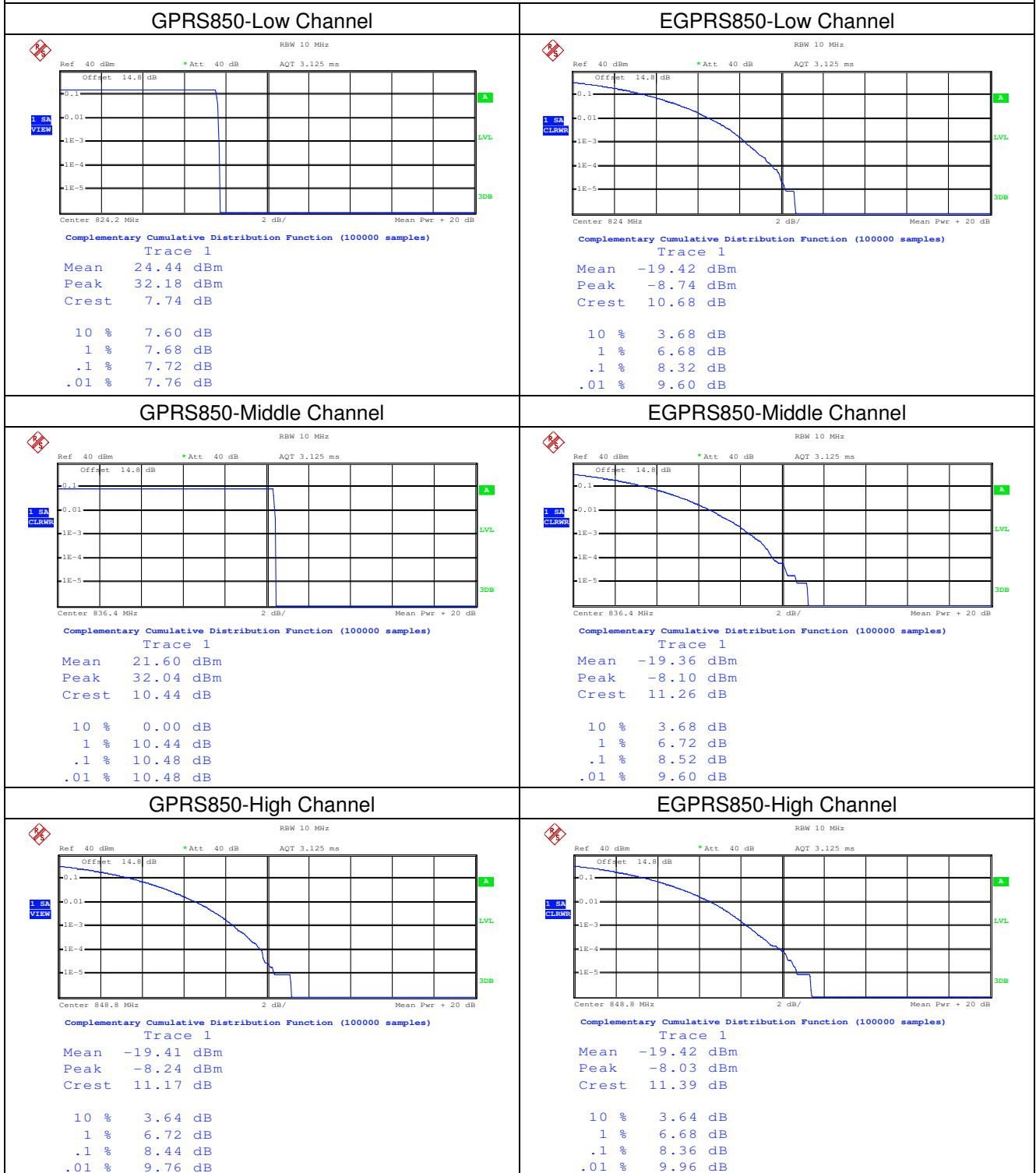
6.2.3 Measurement Data

| Test mode | Test Band | Test result (dB) | | | Limit (dB) | Verdict |
|-----------|-----------|------------------|-------|------|------------|---------|
| | | LCH | MCH | HCH | | |
| GSM | GPRS850 | 7.72 | 10.48 | 8.44 | 13 | Pass |
| | EGPRS850 | 8.32 | 8.52 | 8.36 | 13 | Pass |
| | GPRS1900 | 8.44 | 7.88 | 8.44 | 13 | Pass |
| | EGPRS1900 | 9.52 | 7.80 | 8.40 | 13 | Pass |

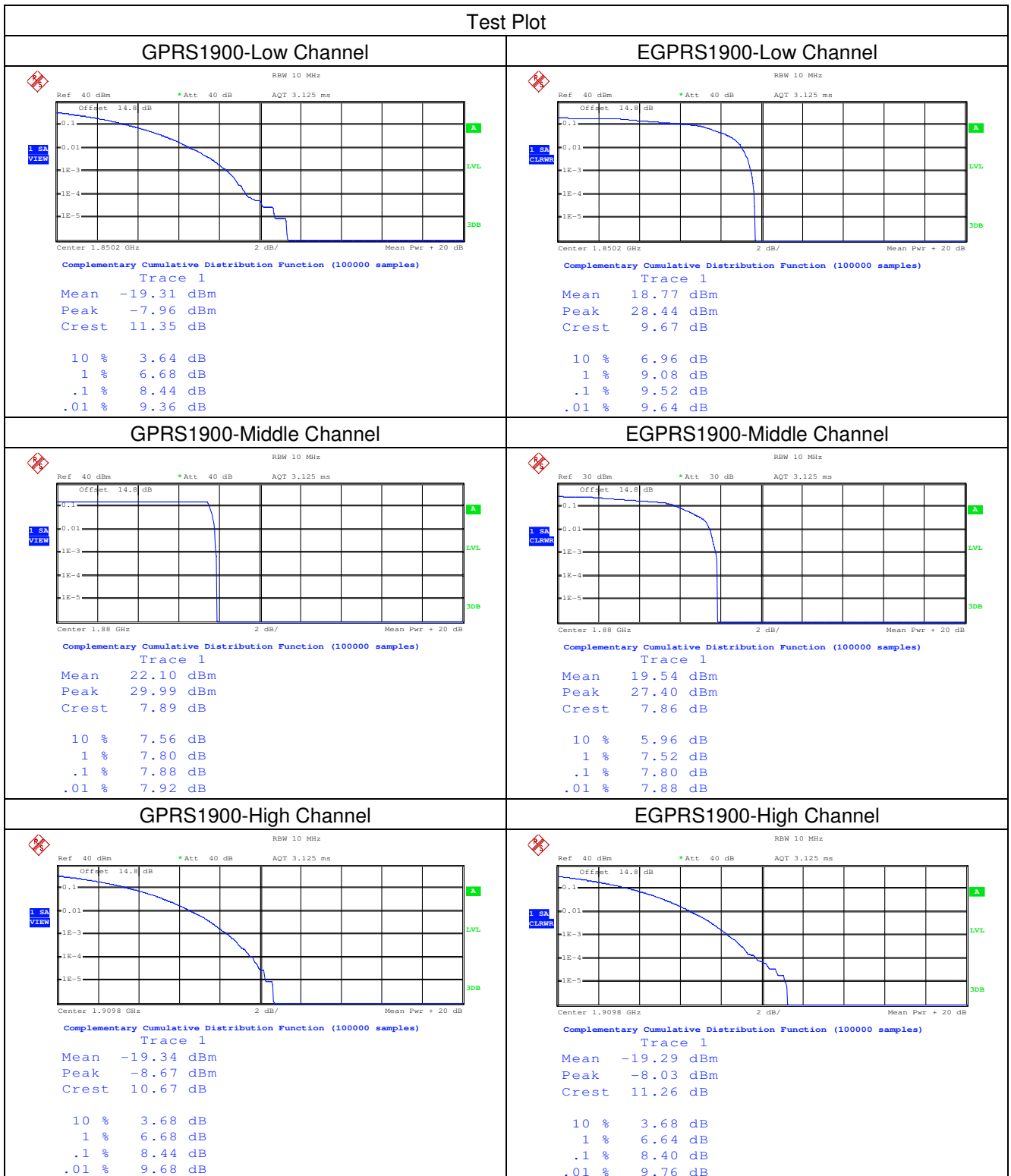


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Test Plot



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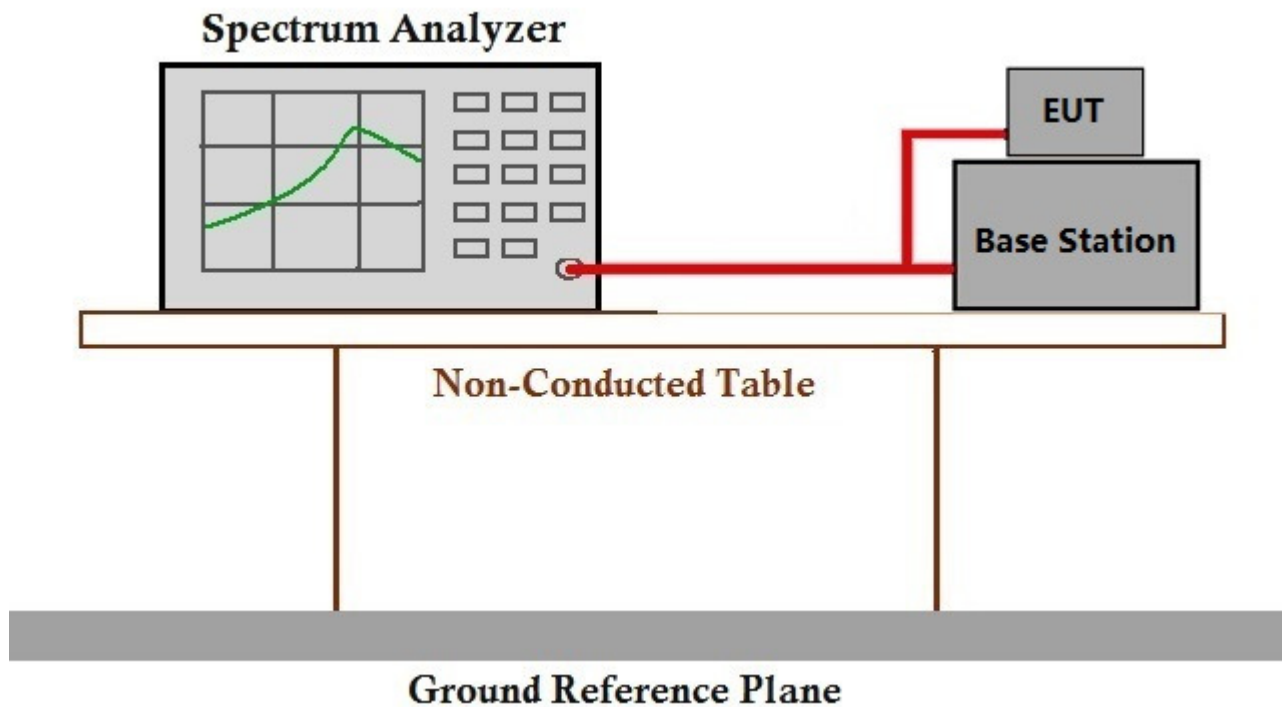
6.3 Bandwidth

Test Requirement: §2.1049(h), §22.917, §24.238
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: OBW: No limit
 EBW: No limit

6.3.1 E.U.T. Operation

Operating Environment:
 Temperature: 25 °C Humidity: 57 % RH Atmospheric Pressure: 1015 mbar
 Test mode: z: Tx mode, Keep the EUT in transmitting mode.

6.3.2 Test Setup Diagram



6.3.3 Measurement Data



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| Test mode | Test Band | Test result of 26dB Bandwidth (KHz) | | | Limit (dB) | Verdict |
|-----------|-----------|-------------------------------------|--------|--------|------------|---------|
| | | LCH | MCH | HCH | | |
| GSM | GPRS850 | 308.00 | 317.00 | 320.00 | N/A | Pass |
| | EGPRS850 | 287.00 | 312.00 | 310.00 | N/A | Pass |
| | GPRS1900 | 312.00 | 314.00 | 317.00 | N/A | Pass |
| | EGPRS1900 | 309.00 | 317.00 | 305.00 | N/A | Pass |

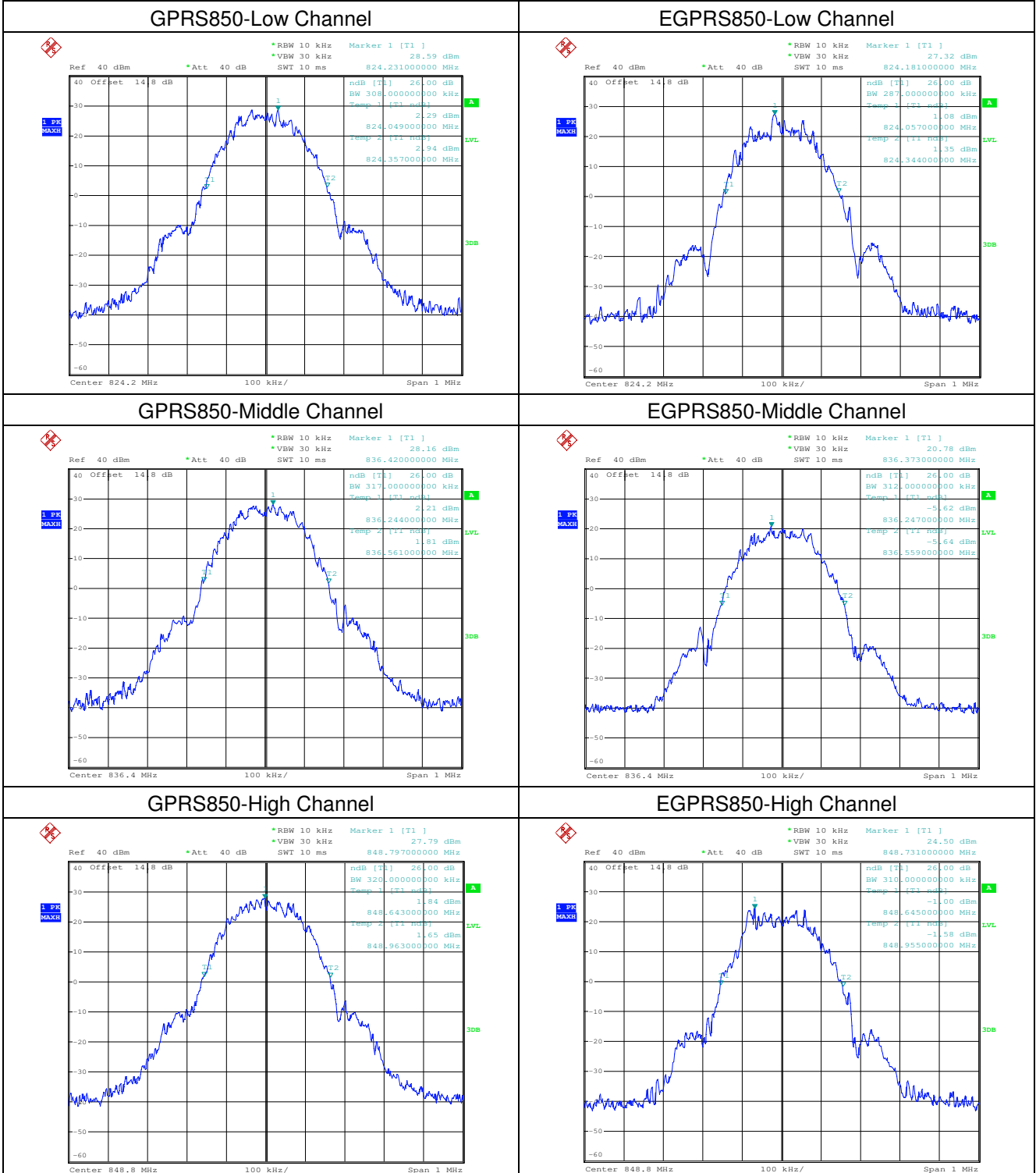
| Test mode | Test Band | Test result of Occupied Bandwidth (KHz) | | | Limit (dB) | Verdict |
|-----------|-----------|---|--------|--------|------------|---------|
| | | LCH | MCH | HCH | | |
| GSM | GPRS850 | 247.00 | 242.00 | 247.00 | N/A | Pass |
| | EGPRS850 | 240.00 | 243.00 | 248.00 | N/A | Pass |
| | GPRS1900 | 245.00 | 246.00 | 247.00 | N/A | Pass |
| | EGPRS1900 | 246.00 | 244.00 | 242.00 | N/A | Pass |



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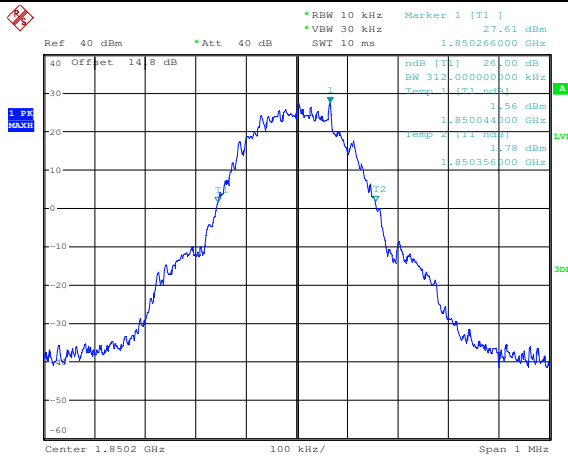
Test Plot for 26dB Bandwidth



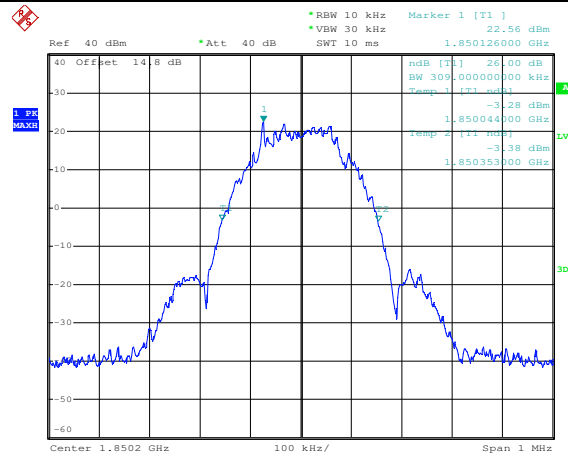
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Test Plot for 26dB Bandwidth

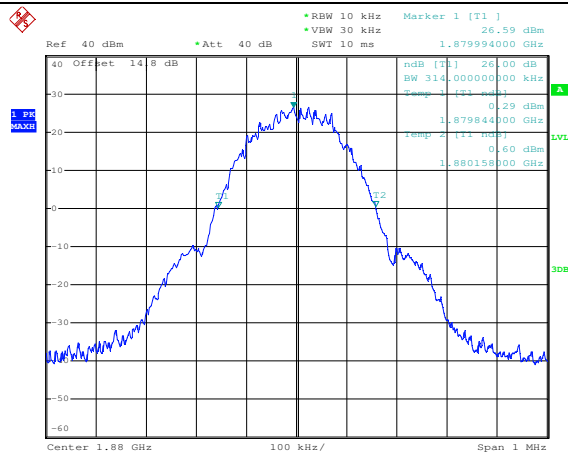
GPRS1900-Low Channel



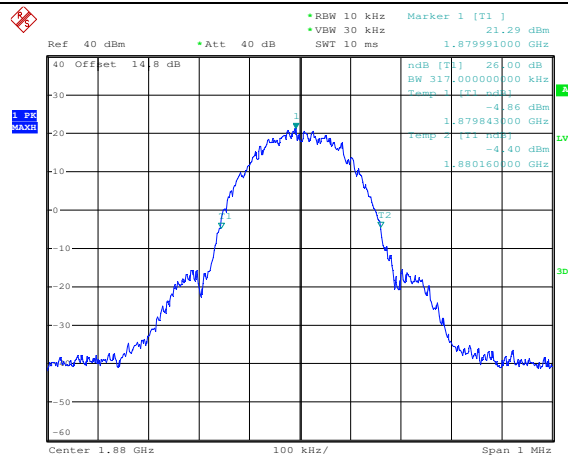
EGPRS1900-Low Channel



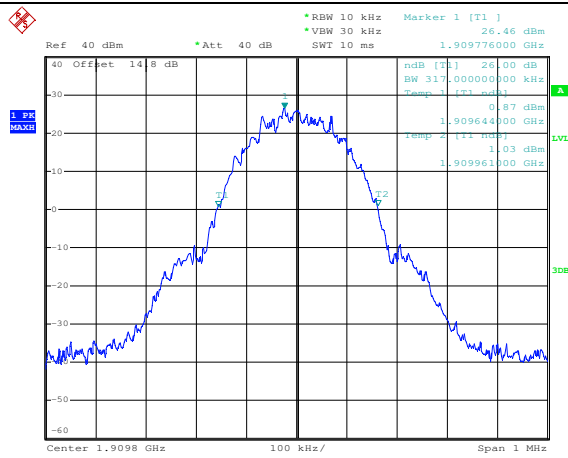
GPRS1900-Middle Channel



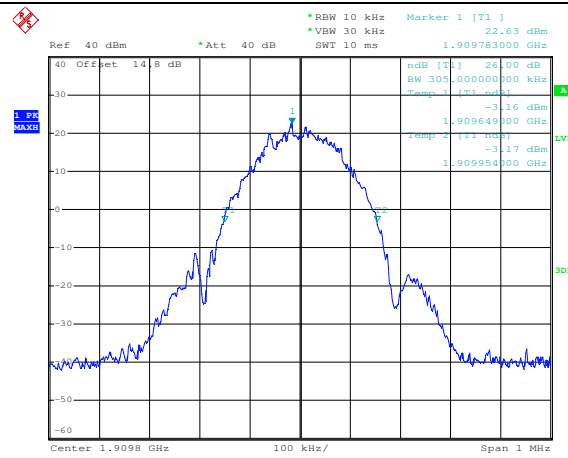
EGPRS1900-Middle Channel



GPRS1900-High Channel

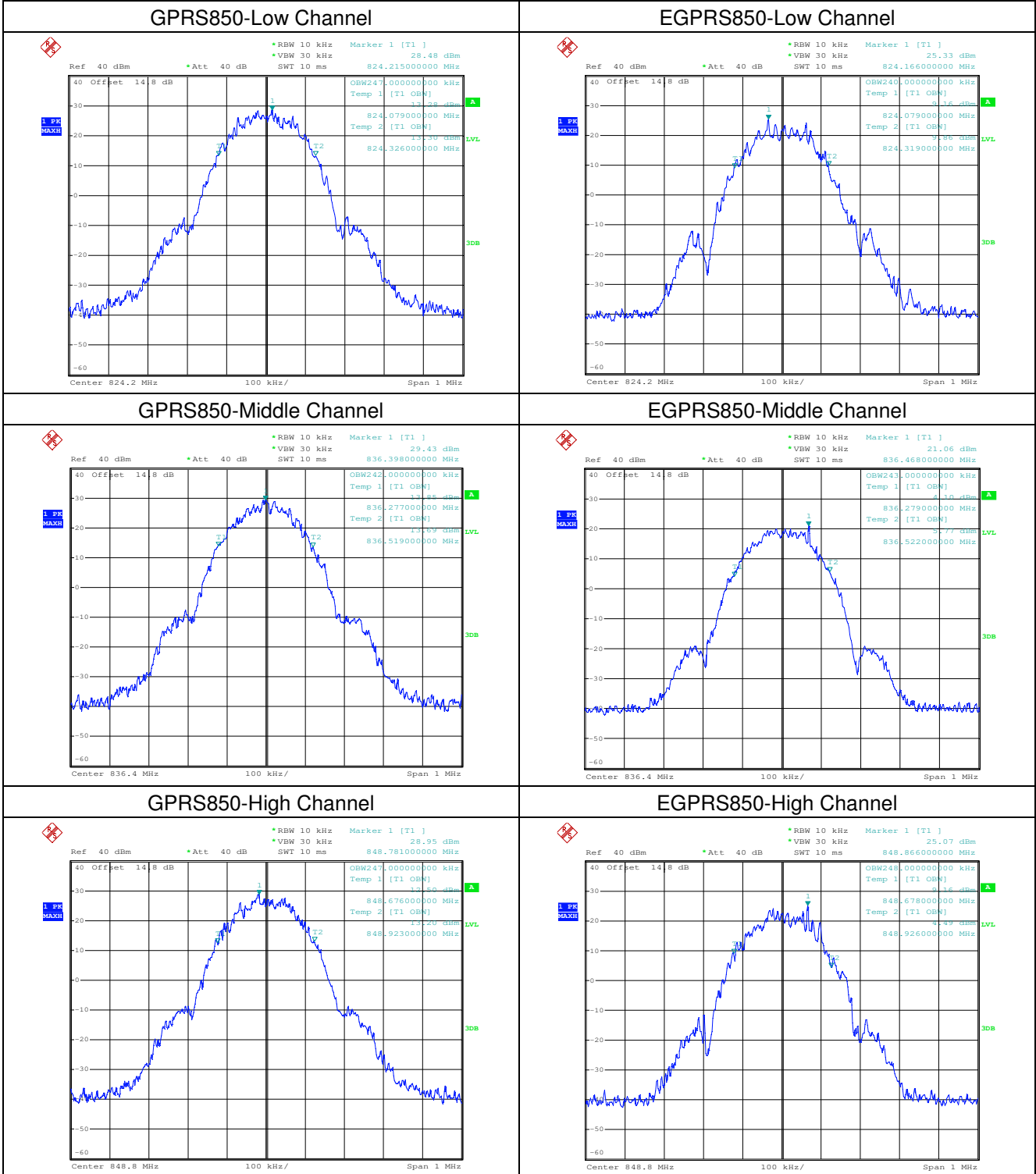


EGPRS1900-High Channel



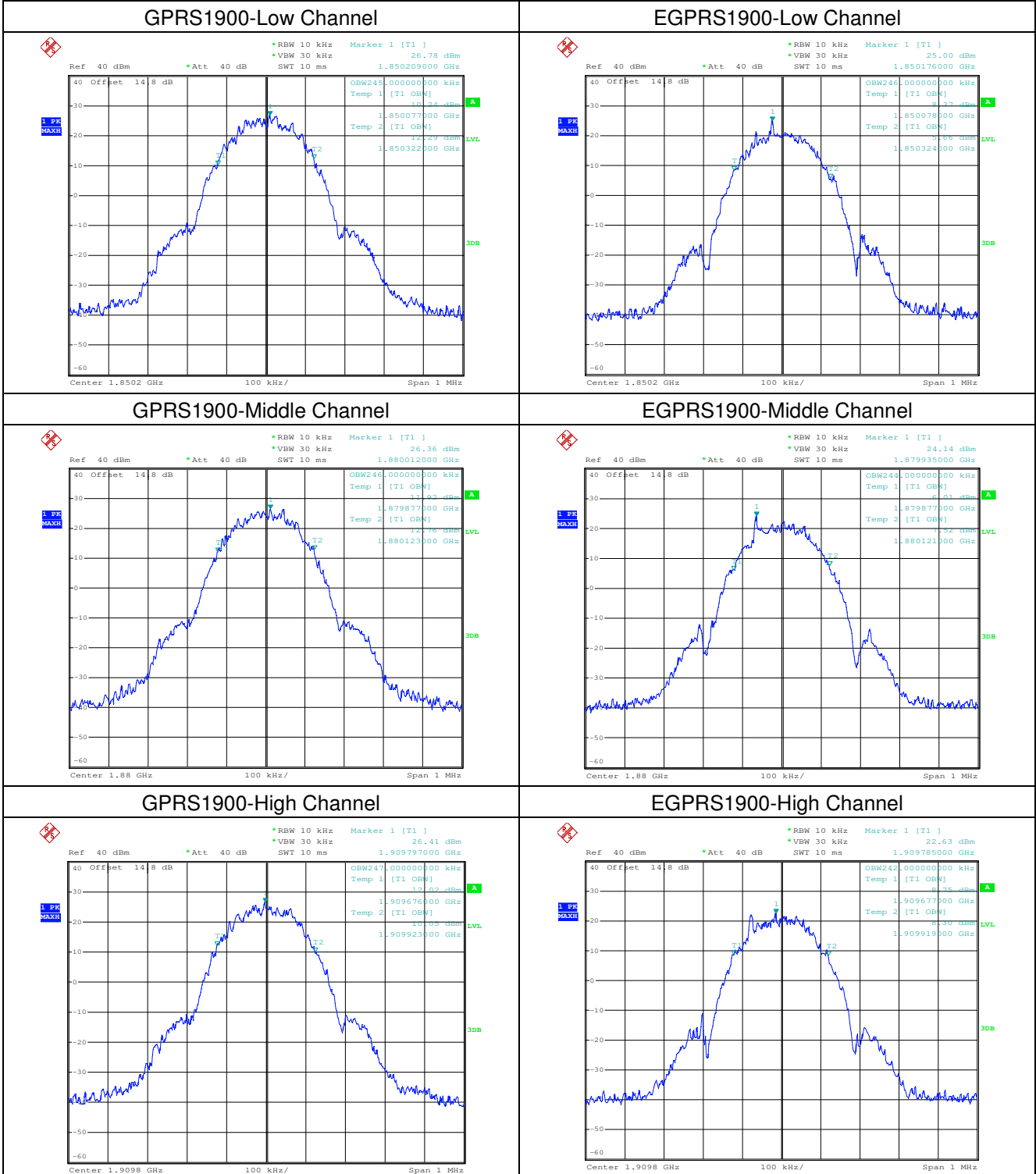
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Test Plot for Occupied Bandwidth



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Test Plot for Occupied Bandwidth



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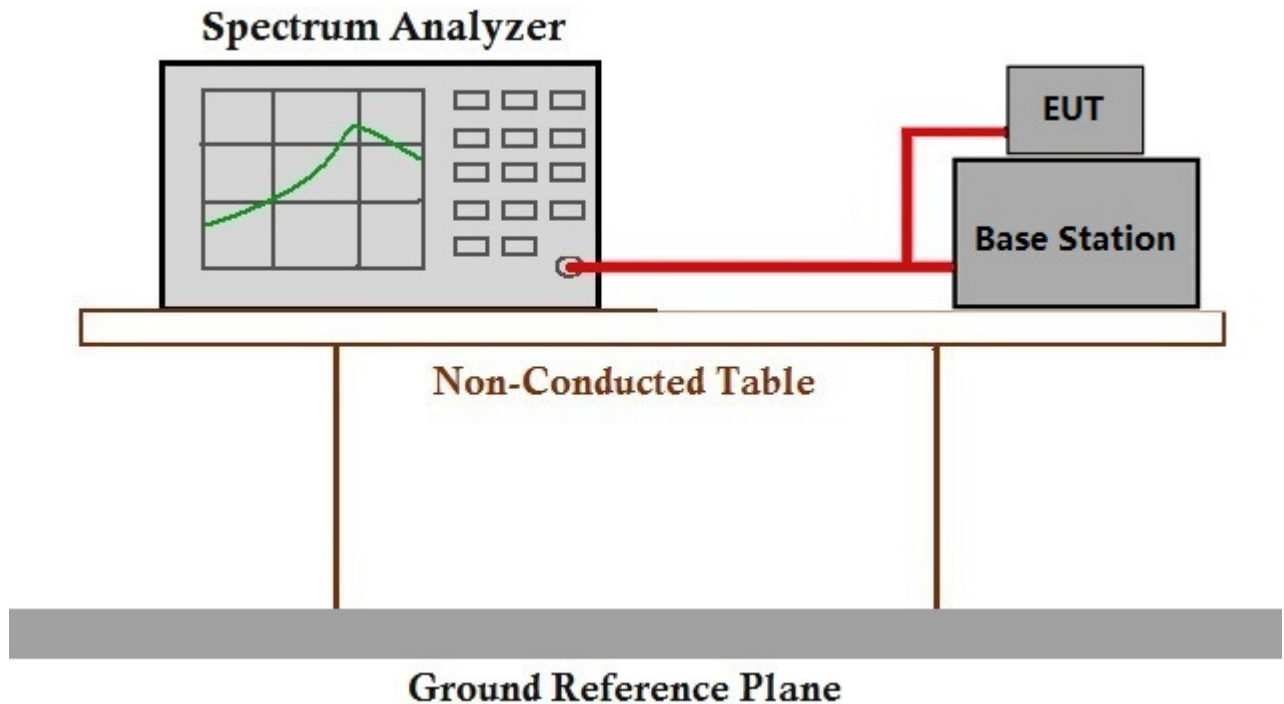
6.4 Band Edge Compliance

Test Requirement: §2.1051, §22.917, §24.238
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq -13\text{dBm}/1\% \cdot \text{EBW}$, in 1 MHz bands immediately outside and adjacent to the frequency block.

6.4.1 E.U.T. Operation

Operating Environment:
 Temperature: 25 °C Humidity: 57 % RH Atmospheric Pressure: 1015 mbar
 Test mode: z: Tx mode, Keep the EUT in transmitting mode.

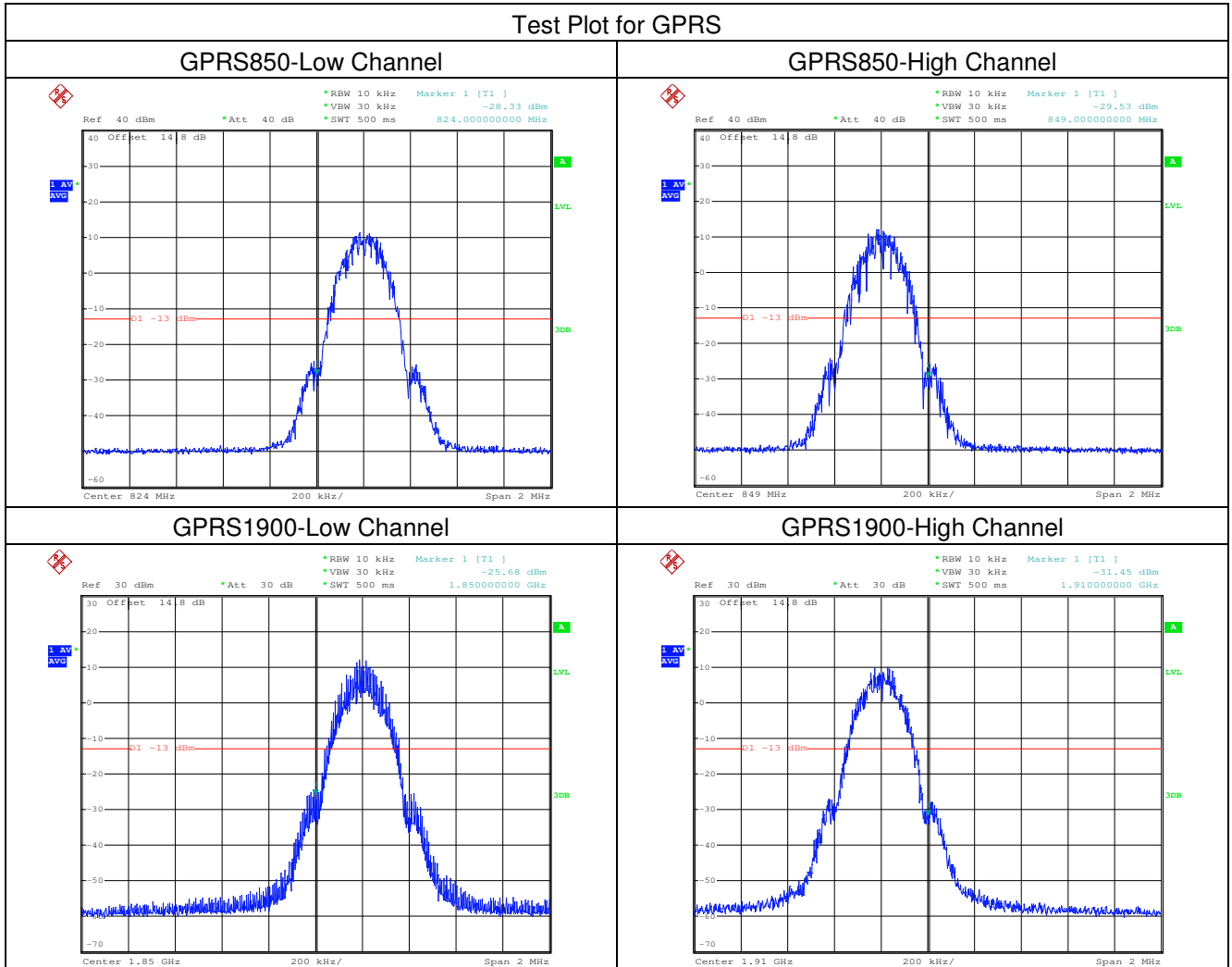
6.4.2 Test Setup Diagram



6.4.3 Measurement Data

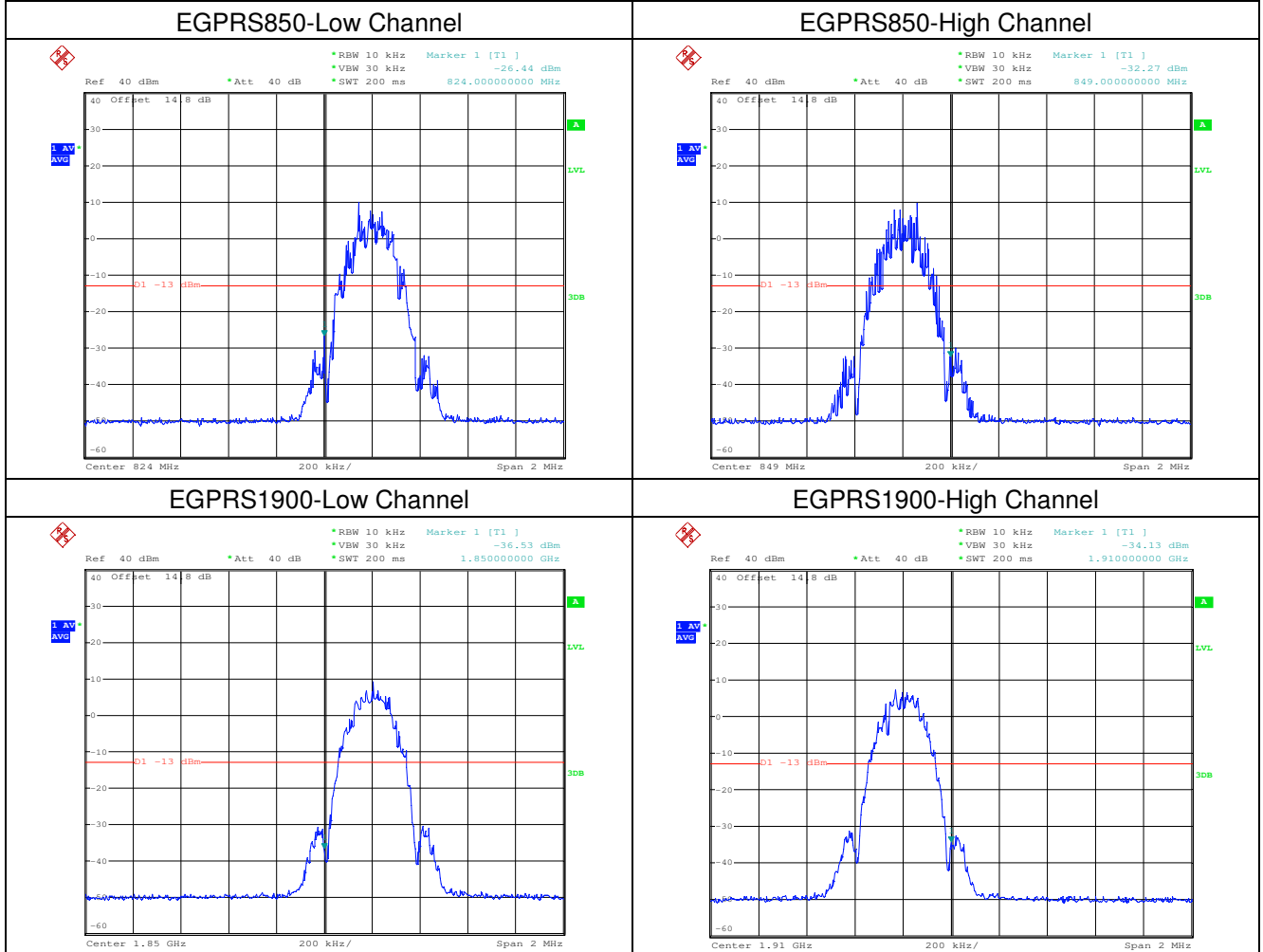


Test Plot for GPRS



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Test Plot for EGPRS



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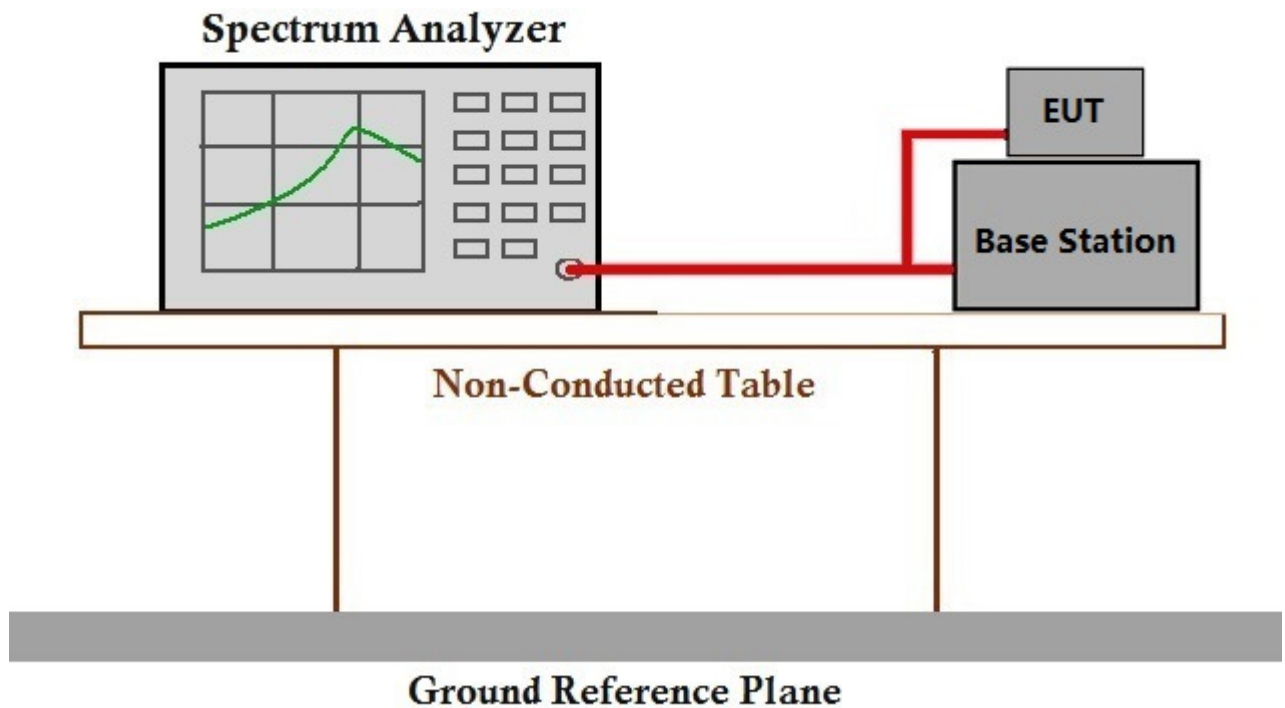
6.5 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §22.917, §24.238
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: ≤ -13dBm

6.5.1 E.U.T. Operation

Operating Environment:
 Temperature: 25 °C Humidity: 57 % RH Atmospheric Pressure: 1015 mbar
 Test mode: z: Tx mode, Keep the EUT in transmitting mode.

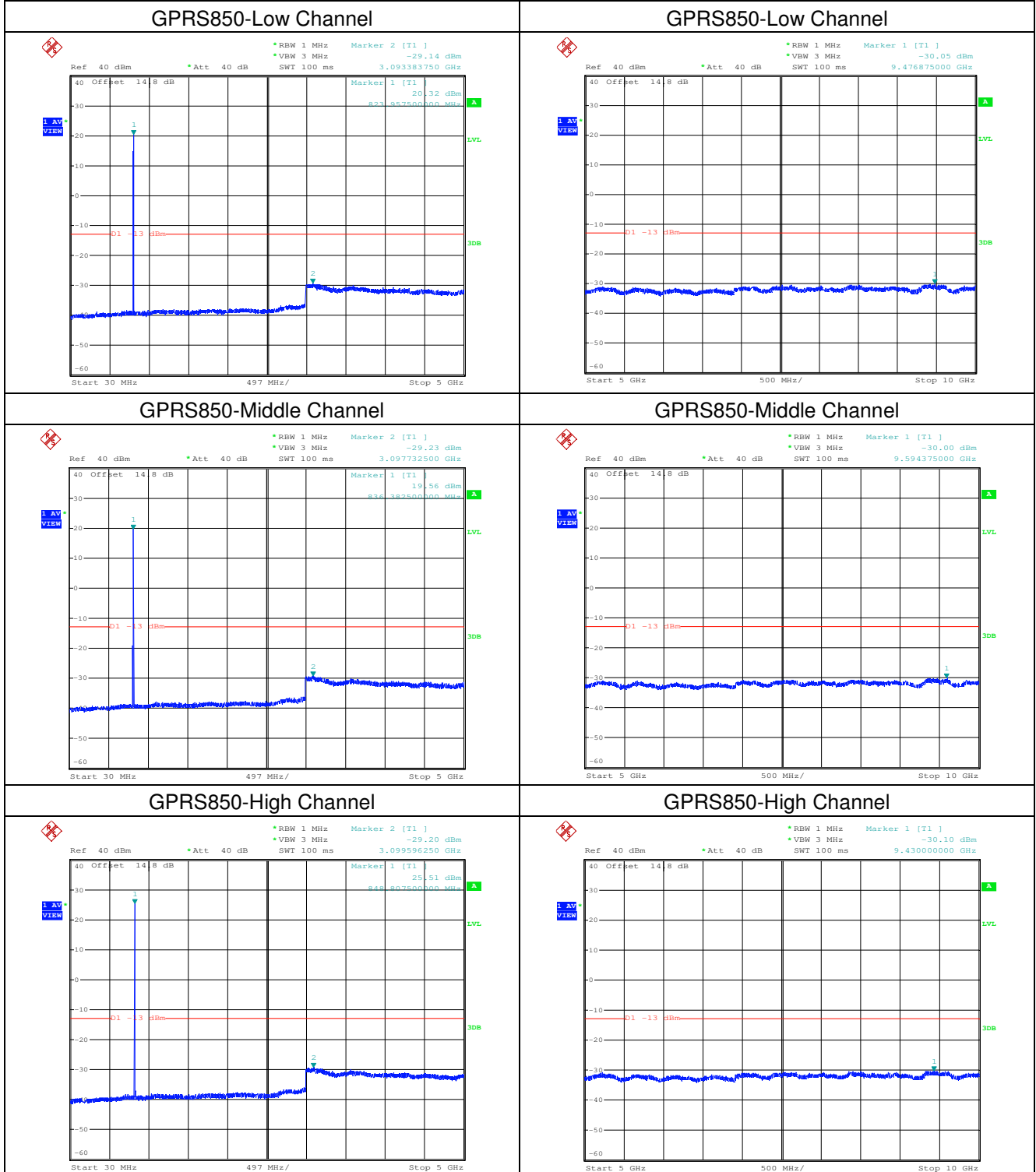
6.5.2 Test Setup Diagram



6.5.3 Measurement Data

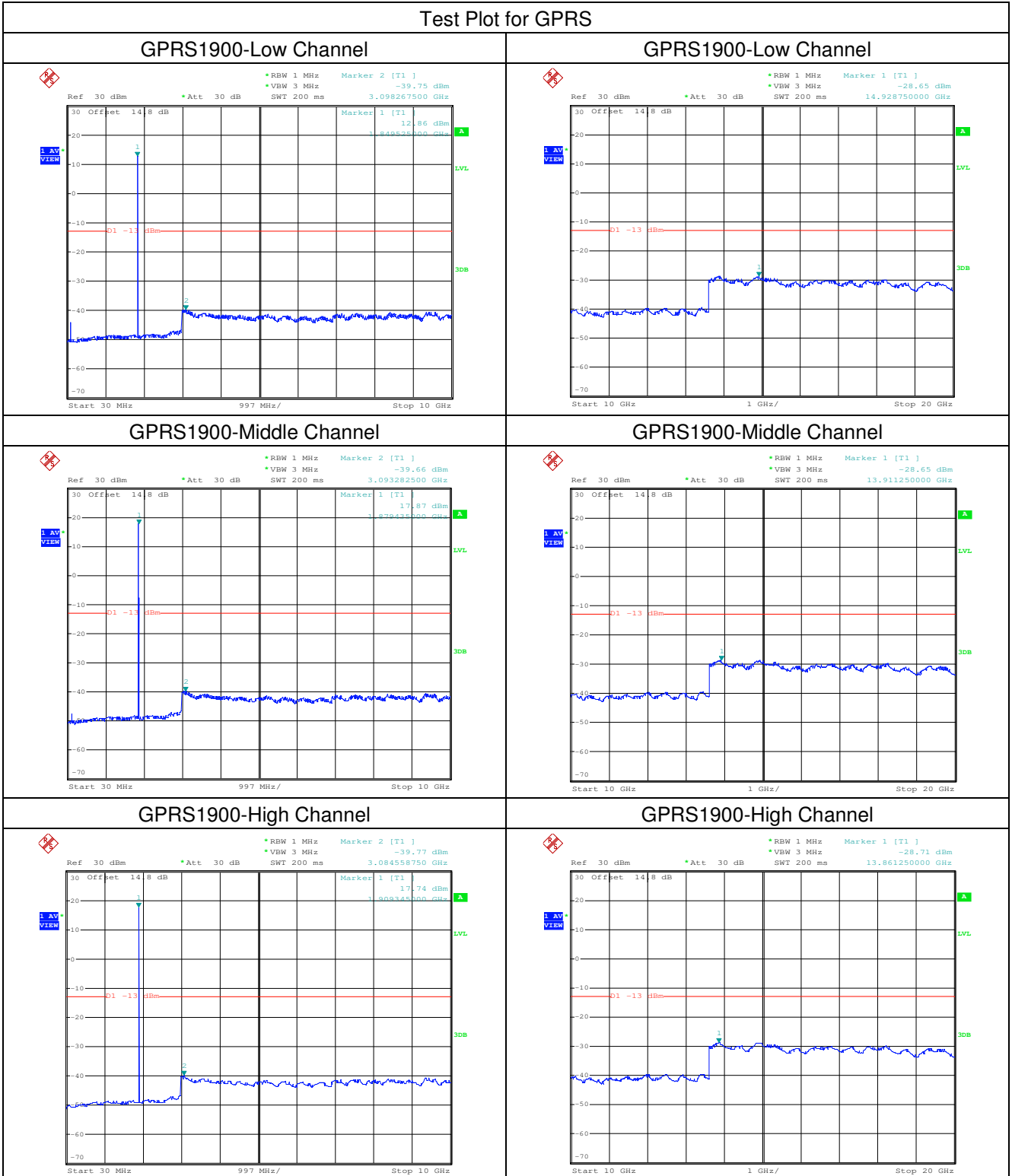


Test Plot for GPRS



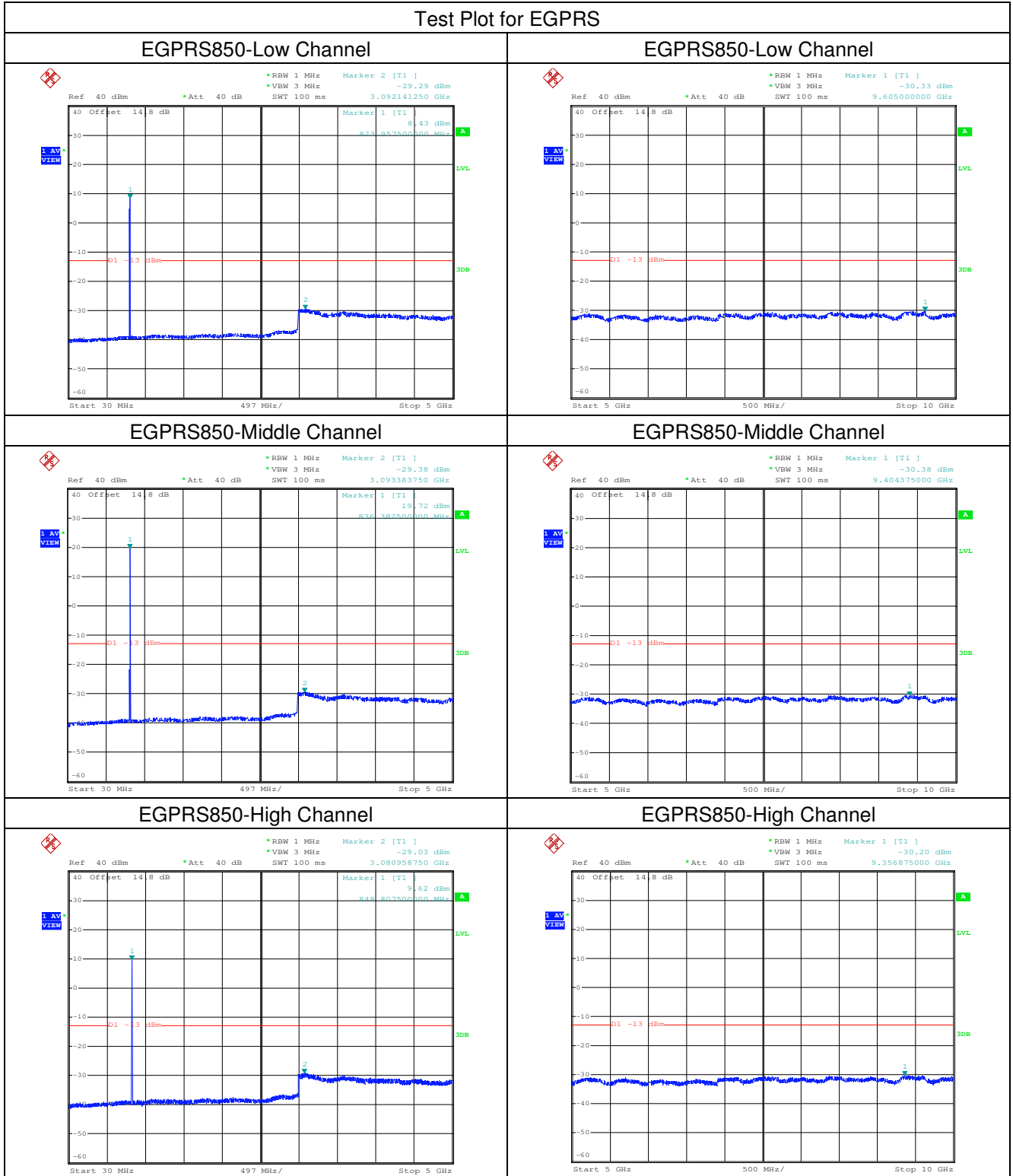
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Test Plot for GPRS



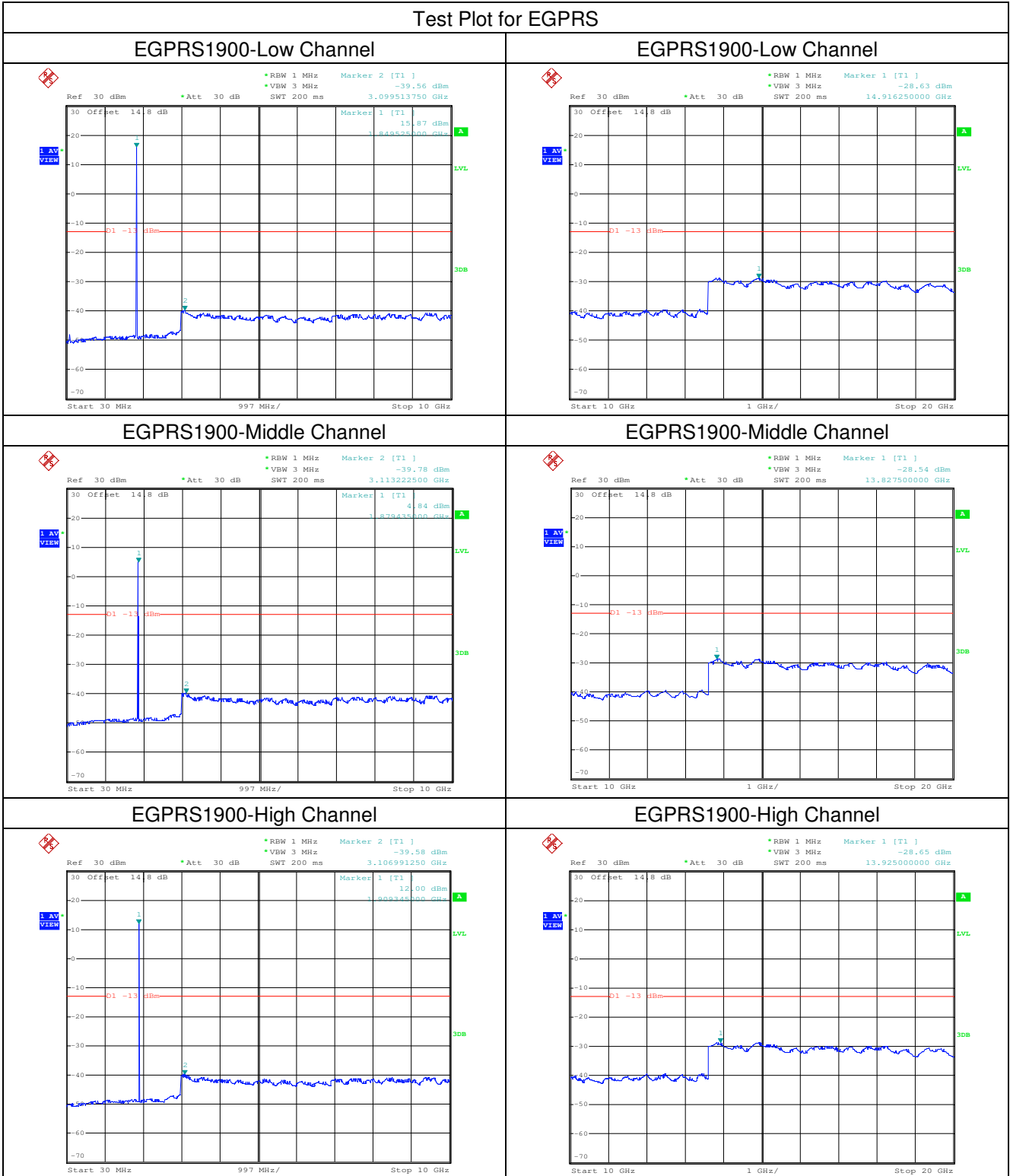
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6.6 Field strength of spurious radiation

Test Requirement: §2.1051, §22.917, §24.238,
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq -13\text{dBm}$

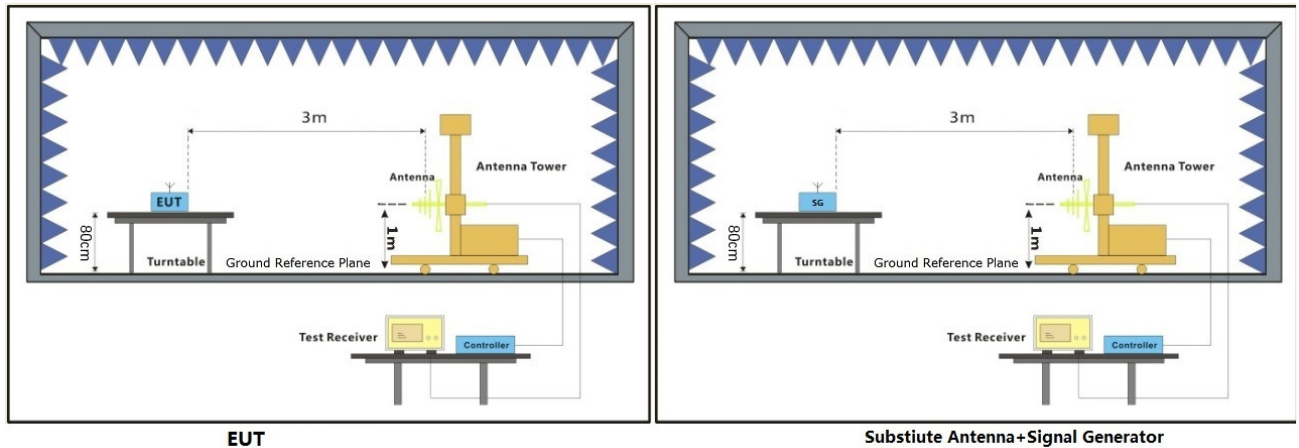
6.6.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 57 % RH Atmospheric Pressure: 1015 mbar

Test mode: z: Tx mode, Keep the EUT in transmitting mode.

6.6.2 Test Setup Diagram



6.6.3 Measurement Procedure and Data

Test Procedure:

- (1) On a test site, the EUT shall be placed on a turntable and in the position closest to the normal use as declared by the user.
- (2) The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the transmitter.
- (3) The output of the antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
- (4) The transmitter shall be switched on; if possible, without the modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
- (5) The test antenna shall be raised and lowered through the specified range of height until the measuring receiver detects a maximum signal level.
- (6) The transmitter shall then be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
- (7) The test antenna shall be raised and lowered again through the specified range of height until the measuring receiver detects a maximum signal level.
- (8) The maximum signal level detected by the measuring receiver shall be noted.
- (9) The measurement shall be repeated with the test antenna set to horizontal polarization.
- (10) Replace the antenna with a proper Antenna (substitution antenna).
- (11) The substitution antenna shall be oriented for vertical polarization and, if necessary, the length of the substitution antenna shall be adjusted to correspond to the frequency of transmitting.
- (12) The substitution antenna shall be connected to a calibrated signal generator.
- (13) If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
- (14) The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
- (15) The input signal to substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuation setting of the measuring receiver.
- (16) The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
- (17) The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.



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| GPRS850-Low channel | | | | | | | | |
|---------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 1648.4 | -57.32 | 0.52 | 6 | -51.84 | -13 | -38.84 | Horizontal | Pass |
| 2472.6 | -60.83 | 0.53 | 5.8 | -55.56 | -13 | -42.56 | Horizontal | Pass |
| 3296.8 | -58.14 | 0.65 | 6.2 | -52.59 | -13 | -39.59 | Horizontal | Pass |
| 1648.4 | -60.65 | 0.52 | 6 | -55.17 | -13 | -42.17 | Vertical | Pass |
| 2472.6 | -60.65 | 0.53 | 5.8 | -55.38 | -13 | -42.38 | Vertical | Pass |
| 3296.8 | -58.21 | 0.65 | 6.2 | -52.66 | -13 | -39.66 | Vertical | Pass |

| GPRS850-Middle channel | | | | | | | | |
|------------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 1672.8 | -60.28 | 0.52 | 6 | -54.8 | -13 | -41.8 | Horizontal | Pass |
| 2509.2 | -62.64 | 0.59 | 5.3 | -57.93 | -13 | -44.93 | Horizontal | Pass |
| 3345.6 | -58.82 | 0.65 | 6.2 | -53.27 | -13 | -40.27 | Horizontal | Pass |
| 1672.8 | -63.44 | 0.52 | 6 | -57.96 | -13 | -44.96 | Vertical | Pass |
| 2509.2 | -62.18 | 0.59 | 5.3 | -57.47 | -13 | -44.47 | Vertical | Pass |
| 3345.6 | -59.09 | 0.65 | 6.2 | -53.54 | -13 | -40.54 | Vertical | Pass |

| GPRS850-High channel | | | | | | | | |
|----------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 1697.6 | -55.6 | 0.52 | 6 | -50.12 | -13 | -37.12 | Horizontal | Pass |
| 2546.4 | -62.31 | 0.59 | 5.3 | -57.6 | -13 | -44.6 | Horizontal | Pass |
| 3395.2 | -57.55 | 0.65 | 6.2 | -52 | -13 | -39 | Horizontal | Pass |
| 1697.6 | -60.53 | 0.52 | 6 | -55.05 | -13 | -42.05 | Vertical | Pass |
| 2546.4 | -61.37 | 0.59 | 5.3 | -56.66 | -13 | -43.66 | Vertical | Pass |
| 3395.2 | -57.87 | 0.65 | 6.2 | -52.32 | -13 | -39.32 | Vertical | Pass |



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| GPRS1900-Low channel | | | | | | | | |
|----------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 3700.4 | -57.44 | 0.71 | 7.6 | -50.55 | -13 | -37.55 | Horizontal | Pass |
| 5550.6 | -56.31 | 0.85 | 10.3 | -46.86 | -13 | -33.86 | Horizontal | Pass |
| 7400.8 | -57.4 | 1 | 12.9 | -45.5 | -13 | -32.5 | Horizontal | Pass |
| 3700.4 | -58.96 | 0.71 | 7.6 | -52.07 | -13 | -39.07 | Vertical | Pass |
| 5550.6 | -57.35 | 0.85 | 10.3 | -47.9 | -13 | -34.9 | Vertical | Pass |
| 7400.8 | -58.12 | 1 | 12.9 | -46.22 | -13 | -33.22 | Vertical | Pass |

| GPRS1900-Middle channel | | | | | | | | |
|-------------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 3760 | -58.27 | 0.71 | 7.6 | -51.38 | -13 | -38.38 | Horizontal | Pass |
| 5640 | -55.07 | 0.85 | 10.3 | -45.62 | -13 | -32.62 | Horizontal | Pass |
| 7520 | -57.7 | 0.99 | 13.2 | -45.49 | -13 | -32.49 | Horizontal | Pass |
| 3760 | -59.15 | 0.71 | 7.6 | -52.26 | -13 | -39.26 | Vertical | Pass |
| 5640 | -56.68 | 0.85 | 10.3 | -47.23 | -13 | -34.23 | Vertical | Pass |
| 7520 | -58.21 | 0.99 | 13.2 | -46 | -13 | -33 | Vertical | Pass |

| GPRS1900-High channel | | | | | | | | |
|-----------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 3819.6 | -58.38 | 0.71 | 7.6 | -51.49 | -13 | -38.49 | Horizontal | Pass |
| 5729.4 | -56.36 | 0.85 | 10.3 | -46.91 | -13 | -33.91 | Horizontal | Pass |
| 7639.2 | -58.03 | 0.99 | 13.2 | -45.82 | -13 | -32.82 | Horizontal | Pass |
| 3819.6 | -58.51 | 0.71 | 7.6 | -51.62 | -13 | -38.62 | Vertical | Pass |
| 5729.4 | -57.26 | 0.85 | 10.3 | -47.81 | -13 | -34.81 | Vertical | Pass |
| 7639.2 | -58.28 | 0.99 | 13.2 | -46.07 | -13 | -33.07 | Vertical | Pass |



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| EDGE850-Low channel | | | | | | | | |
|---------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 1648.4 | -59.7 | 0.52 | 6 | -54.22 | -13 | -41.22 | Horizontal | Pass |
| 2472.6 | -62.37 | 0.53 | 5.8 | -57.1 | -13 | -44.1 | Horizontal | Pass |
| 3296.8 | -58.36 | 0.65 | 6.2 | -52.81 | -13 | -39.81 | Horizontal | Pass |
| 1648.4 | -64.2 | 0.52 | 6 | -58.72 | -13 | -45.72 | Vertical | Pass |
| 2472.6 | -61.67 | 0.53 | 5.8 | -56.4 | -13 | -43.4 | Vertical | Pass |
| 3296.8 | -58.26 | 0.65 | 6.2 | -52.71 | -13 | -39.71 | Vertical | Pass |

| EDGE850-Middle channel | | | | | | | | |
|------------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 1672.8 | -57.29 | -13 | -44.29 | -57.29 | -13 | -44.29 | Horizontal | Pass |
| 2509.2 | -57.02 | -13 | -44.02 | -57.02 | -13 | -44.02 | Horizontal | Pass |
| 3345.6 | -53.13 | -13 | -40.13 | -53.13 | -13 | -40.13 | Horizontal | Pass |
| 1672.8 | -60.26 | -13 | -47.26 | -60.26 | -13 | -47.26 | Vertical | Pass |
| 2509.2 | -56.83 | -13 | -43.83 | -56.83 | -13 | -43.83 | Vertical | Pass |
| 3345.6 | -52.53 | -13 | -39.53 | -52.53 | -13 | -39.53 | Vertical | Pass |

| EDGE850-High channel | | | | | | | | |
|----------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 1697.6 | -59.74 | 0.52 | 6 | -54.26 | -13 | -41.26 | Horizontal | Pass |
| 2546.4 | -60.97 | 0.59 | 5.3 | -56.26 | -13 | -43.26 | Horizontal | Pass |
| 3395.2 | -58.93 | 0.65 | 6.2 | -53.38 | -13 | -40.38 | Horizontal | Pass |
| 1697.6 | -65.37 | 0.52 | 6 | -59.89 | -13 | -46.89 | Vertical | Pass |
| 2546.4 | -61.44 | 0.59 | 5.3 | -56.73 | -13 | -43.73 | Vertical | Pass |
| 3395.2 | -58.29 | 0.65 | 6.2 | -52.74 | -13 | -39.74 | Vertical | Pass |



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| EDGE1900-Low channel | | | | | | | | |
|----------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 3700.4 | -59.3 | 0.71 | 7.6 | -52.41 | -13 | -39.41 | Horizontal | Pass |
| 5550.6 | -57.55 | 0.85 | 10.3 | -48.1 | -13 | -35.1 | Horizontal | Pass |
| 7400.8 | -58.33 | 1 | 12.9 | -46.43 | -13 | -33.43 | Horizontal | Pass |
| 3700.4 | -59.67 | 0.71 | 7.6 | -52.78 | -13 | -39.78 | Vertical | Pass |
| 5550.6 | -57.59 | 0.85 | 10.3 | -48.14 | -13 | -35.14 | Vertical | Pass |
| 7400.8 | -58.49 | 1 | 12.9 | -46.59 | -13 | -33.59 | Vertical | Pass |

| EDGE1900-Middle channel | | | | | | | | |
|-------------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 3760 | -57.98 | 0.71 | 7.6 | -51.09 | -13 | -38.09 | Horizontal | Pass |
| 5640 | -55.7 | 0.85 | 10.3 | -46.25 | -13 | -33.25 | Horizontal | Pass |
| 7520 | -59.38 | 0.99 | 13.2 | -47.17 | -13 | -34.17 | Horizontal | Pass |
| 3760 | -59.99 | 0.71 | 7.6 | -53.1 | -13 | -40.1 | Vertical | Pass |
| 5640 | -57.04 | 0.85 | 10.3 | -47.59 | -13 | -34.59 | Vertical | Pass |
| 7520 | -58 | 0.99 | 13.2 | -45.79 | -13 | -32.79 | Vertical | Pass |

| EDGE1900-High channel | | | | | | | | |
|-----------------------|------------------|-----------------|--------------------|------------|-------------|-----------------|--------------------|--------|
| Frequency (MHz) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | Polarization (H/V) | Result |
| 3819.6 | -58.95 | 0.71 | 7.6 | -52.06 | -13 | -39.06 | Horizontal | Pass |
| 5729.4 | -56.57 | 0.85 | 10.3 | -47.12 | -13 | -34.12 | Horizontal | Pass |
| 7639.2 | -57.71 | 0.99 | 13.2 | -45.5 | -13 | -32.5 | Horizontal | Pass |
| 3819.6 | -57.91 | 0.71 | 7.6 | -51.02 | -13 | -38.02 | Vertical | Pass |
| 5729.4 | -56.98 | 0.85 | 10.3 | -47.53 | -13 | -34.53 | Vertical | Pass |
| 7639.2 | -57.94 | 0.99 | 13.2 | -45.73 | -13 | -32.73 | Vertical | Pass |



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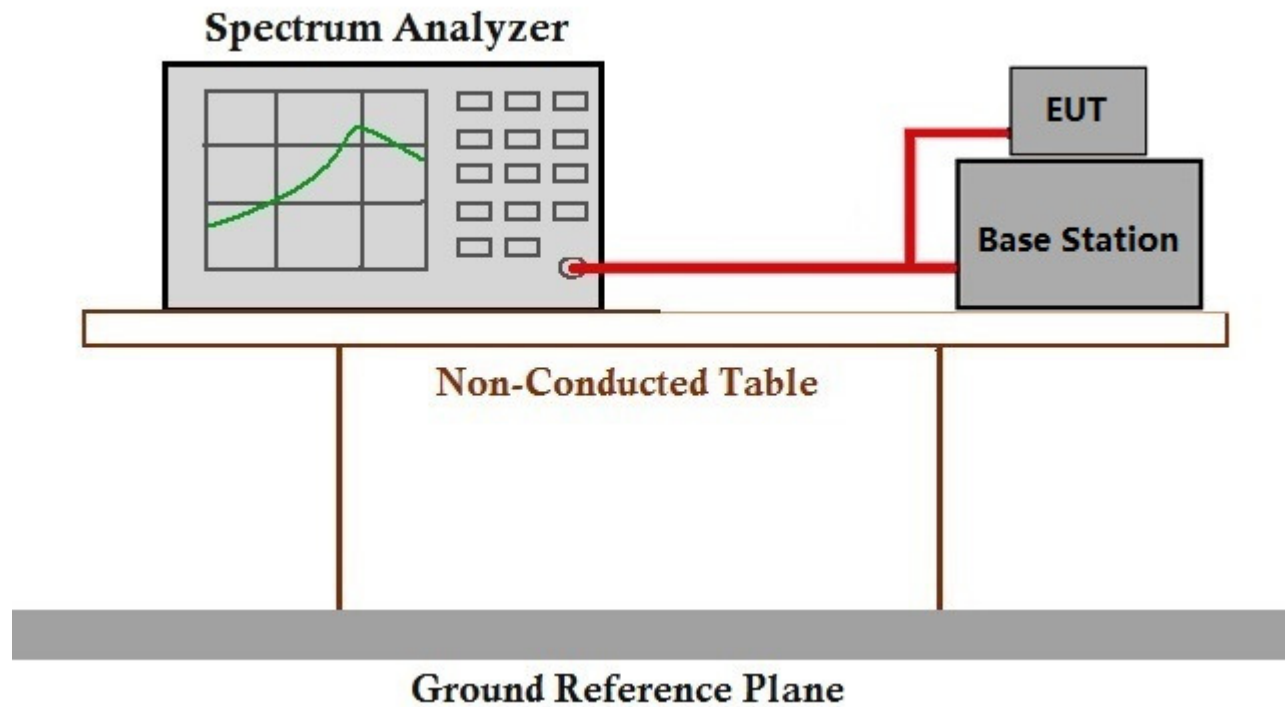
6.7 Frequency stability

Test Requirement: §2.1055, §22.355, §24.235
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq \pm 2.5\text{ppm}$.

6.7.1 E.U.T. Operation

Operating Environment:
 Temperature: 25 °C Humidity: 57 % RH Atmospheric Pressure: 1015 mbar
 Test mode: z: Tx mode, Keep the EUT in transmitting mode.

6.7.2 Test Setup Diagram



6.7.3 Measurement Data



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Frequency Error VS. Voltage

| Test Band | Test mode: | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|------------|--------------|------------|------------|------------------|-----------------------|---------|
| GSM 850 | GPRS | LCH | TN | VL | 2.65 | 0.003214 | PASS |
| | | | | VN | 1.57 | 0.001904 | PASS |
| | | | | VH | -3.51 | -0.004258 | PASS |
| | | MCH | TN | VL | -2.13 | -0.002546 | PASS |
| | | | | VN | -1.49 | -0.001781 | PASS |
| | | | | VH | -4.18 | -0.004996 | PASS |
| | | HCH | TN | VL | 3.82 | 0.004500 | PASS |
| | | | | VN | -1.02 | -0.001202 | PASS |
| | | | | VH | -2.37 | -0.002792 | PASS |
| | EGPRS | LCH | TN | VL | -3.81 | -0.004622 | PASS |
| | | | | VN | 1.26 | 0.001528 | PASS |
| | | | | VH | -2.68 | -0.003251 | PASS |
| | | MCH | TN | VL | 3.6 | 0.004303 | PASS |
| | | | | VN | 2.32 | 0.002773 | PASS |
| | | | | VH | -4.68 | -0.005594 | PASS |
| | | HCH | TN | VL | 0.89 | 0.001049 | PASS |
| | | | | VN | -3.42 | -0.004029 | PASS |
| | | | | VH | 2.26 | 0.002663 | PASS |



| Test Band | Test mode: | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|------------|--------------|------------|------------|------------------|-----------------------|---------|
| GSM 1900 | GPRS | LCH | TN | VL | -4.34 | -0.002346 | PASS |
| | | | | VN | 2.59 | 0.001400 | PASS |
| | | | | VH | 2.02 | 0.001092 | PASS |
| | | MCH | TN | VL | 1.51 | 0.000803 | PASS |
| | | | | VN | -2.39 | -0.001271 | PASS |
| | | | | VH | 3.67 | 0.001952 | PASS |
| | | HCH | TN | VL | -2.36 | -0.001236 | PASS |
| | | | | VN | 2.59 | 0.001356 | PASS |
| | | | | VH | -3.98 | -0.002084 | PASS |
| | EGPRS | LCH | TN | VL | 1.54 | 0.000832 | PASS |
| | | | | VN | -3.6 | -0.001946 | PASS |
| | | | | VH | 3.07 | 0.001659 | PASS |
| | | MCH | TN | VL | -3.97 | -0.002112 | PASS |
| | | | | VN | 2.1 | 0.001117 | PASS |
| | | | | VH | 1.15 | 0.000612 | PASS |
| | | HCH | TN | VL | -2.08 | -0.001089 | PASS |
| | | | | VN | 4.16 | 0.002178 | PASS |
| | | | | VH | -4.58 | -0.002398 | PASS |



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Frequency Error VS. Temperature

| Test Band | Test mode: | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|------------|--------------|------------|------------|------------------|-----------------------|---------|
| GSM 850 | GPRS | LCH | VN | -30 | 1.91 | 0.002317 | PASS |
| | | | | -20 | 1.83 | 0.002220 | PASS |
| | | | | -10 | 2.12 | 0.002572 | PASS |
| | | | | 0 | -2.2 | -0.002669 | PASS |
| | | | | 10 | 1.11 | 0.001347 | PASS |
| | | | | 20 | -4.68 | -0.005678 | PASS |
| | | | | 30 | 1.77 | 0.002148 | PASS |
| | | | | 40 | -0.56 | -0.000679 | PASS |
| | | | | 50 | -3.48 | -0.004222 | PASS |
| | | MCH | VN | -30 | -2.04 | -0.002438 | PASS |
| | | | | -20 | -2.11 | -0.002522 | PASS |
| | | | | -10 | -0.52 | -0.000622 | PASS |
| | | | | 0 | -3.01 | -0.003598 | PASS |
| | | | | 10 | 2.01 | 0.002403 | PASS |
| | | | | 20 | 2.82 | 0.003371 | PASS |
| | | | | 30 | 1.68 | 0.002008 | PASS |
| | | | | 40 | 1.07 | 0.001279 | PASS |
| | | | | 50 | -4.13 | -0.004937 | PASS |
| | | HCH | VN | -30 | 3.95 | 0.004654 | PASS |
| | | | | -20 | 3.97 | 0.004677 | PASS |
| | | | | -10 | 3.76 | 0.004430 | PASS |
| | | | | 0 | -5.2 | -0.006126 | PASS |
| | | | | 10 | 1.77 | 0.002085 | PASS |
| | | | | 20 | -1.96 | -0.002309 | PASS |
| | | | | 30 | 3.79 | 0.004465 | PASS |
| | | | | 40 | -0.06 | -0.000071 | PASS |
| | | | | 50 | -4 | -0.004713 | PASS |



| Test Band | Test mode: | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|------------|--------------|------------|------------|------------------|-----------------------|---------|
| GSM 850 | EGPRS | LCH | VN | -30 | -2.18 | -0.002645 | PASS |
| | | | | -20 | -2.22 | -0.002694 | PASS |
| | | | | -10 | 2.39 | 0.002900 | PASS |
| | | | | 0 | -3.91 | -0.004744 | PASS |
| | | | | 10 | 1.7 | 0.002063 | PASS |
| | | | | 20 | -3.76 | -0.004562 | PASS |
| | | | | 30 | -4.5 | -0.005460 | PASS |
| | | | | 40 | -4.32 | -0.005241 | PASS |
| | | | | 50 | -3.74 | -0.004538 | PASS |
| | | MCH | VN | -30 | -2.22 | -0.002654 | PASS |
| | | | | -20 | -2.25 | -0.002689 | PASS |
| | | | | -10 | 3.66 | 0.004375 | PASS |
| | | | | 0 | -5.03 | -0.006012 | PASS |
| | | | | 10 | 1.88 | 0.002247 | PASS |
| | | | | 20 | -3.84 | -0.004590 | PASS |
| | | | | 30 | -3.58 | -0.004279 | PASS |
| | | | | 40 | -2.5 | -0.002988 | PASS |
| | | | | 50 | -3.73 | -0.004459 | PASS |
| | | HCH | VN | -30 | -3.84 | -0.004524 | PASS |
| | | | | -20 | -3.79 | -0.004465 | PASS |
| | | | | -10 | -2.73 | -0.003216 | PASS |
| | | | | 0 | -2.43 | -0.002863 | PASS |
| | | | | 10 | -2.72 | -0.003205 | PASS |
| | | | | 20 | 1.25 | 0.001473 | PASS |
| | | | | 30 | -4.73 | -0.005573 | PASS |
| | | | | 40 | -3.55 | -0.004182 | PASS |
| | | | | 50 | -2.99 | -0.003523 | PASS |



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| Test Band | Test mode: | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|------------|--------------|------------|------------|------------------|-----------------------|---------|
| GSM 1900 | GPRS | LCH | VN | -30 | -3.07 | -0.001659 | PASS |
| | | | | -20 | -3.08 | -0.001665 | PASS |
| | | | | -10 | -4.25 | -0.002297 | PASS |
| | | | | 0 | 2.73 | 0.001476 | PASS |
| | | | | 10 | -3.53 | -0.001908 | PASS |
| | | | | 20 | -0.46 | -0.000249 | PASS |
| | | | | 30 | 1.64 | 0.000886 | PASS |
| | | | | 40 | -3.16 | -0.001708 | PASS |
| | | | | 50 | -2.55 | -0.001378 | PASS |
| | | MCH | VN | -30 | -4.27 | -0.002271 | PASS |
| | | | | -20 | -4.28 | -0.002277 | PASS |
| | | | | -10 | 1.42 | 0.000755 | PASS |
| | | | | 0 | -2.45 | -0.001303 | PASS |
| | | | | 10 | 4.46 | 0.002372 | PASS |
| | | | | 20 | -3.75 | -0.001995 | PASS |
| | | | | 30 | -1.88 | -0.001000 | PASS |
| | | | | 40 | -3.81 | -0.002027 | PASS |
| | | | | 50 | -4.59 | -0.002441 | PASS |
| | | HCH | VN | -30 | -3.16 | -0.001655 | PASS |
| | | | | -20 | -3.17 | -0.001660 | PASS |
| | | | | -10 | 3.4 | 0.001780 | PASS |
| | | | | 0 | 1.72 | 0.000901 | PASS |
| | | | | 10 | -0.47 | -0.000246 | PASS |
| | | | | 20 | -3.37 | -0.001765 | PASS |
| | | | | 30 | -4.24 | -0.002220 | PASS |
| | | | | 40 | 1.53 | 0.000801 | PASS |
| | | | | 50 | -3.07 | -0.001607 | PASS |



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| Test Band | Test mode: | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|------------|--------------|------------|------------|------------------|-----------------------|---------|
| GSM 1900 | EGPRS | LCH | VN | -30 | -2.87 | -0.001551 | PASS |
| | | | | -20 | -2.88 | -0.001557 | PASS |
| | | | | -10 | -4.75 | -0.002567 | PASS |
| | | | | 0 | 1.65 | 0.000892 | PASS |
| | | | | 10 | -2.55 | -0.001378 | PASS |
| | | | | 20 | -2.24 | -0.001211 | PASS |
| | | | | 30 | -4.53 | -0.002448 | PASS |
| | | | | 40 | 1.64 | 0.000886 | PASS |
| | | | | 50 | -3.78 | -0.002043 | PASS |
| | | MCH | VN | -30 | -3.46 | -0.001840 | PASS |
| | | | | -20 | -3.45 | -0.001835 | PASS |
| | | | | -10 | -2.63 | -0.001399 | PASS |
| | | | | 0 | -4.27 | -0.002271 | PASS |
| | | | | 10 | 1.43 | 0.000761 | PASS |
| | | | | 20 | -3.25 | -0.001729 | PASS |
| | | | | 30 | -2.13 | -0.001133 | PASS |
| | | | | 40 | -3.75 | -0.001995 | PASS |
| | | | | 50 | 0.82 | 0.000436 | PASS |
| | | HCH | VN | -30 | -3.05 | -0.001597 | PASS |
| | | | | -20 | -3.06 | -0.001602 | PASS |
| | | | | -10 | 2.92 | 0.001529 | PASS |
| | | | | 0 | 1.76 | 0.000922 | PASS |
| | | | | 10 | -3.44 | -0.001801 | PASS |
| | | | | 20 | -4.76 | -0.002492 | PASS |
| | | | | 30 | -3.86 | -0.002021 | PASS |
| | | | | 40 | -2.65 | -0.001388 | PASS |
| | | | | 50 | -2.34 | -0.001225 | PASS |



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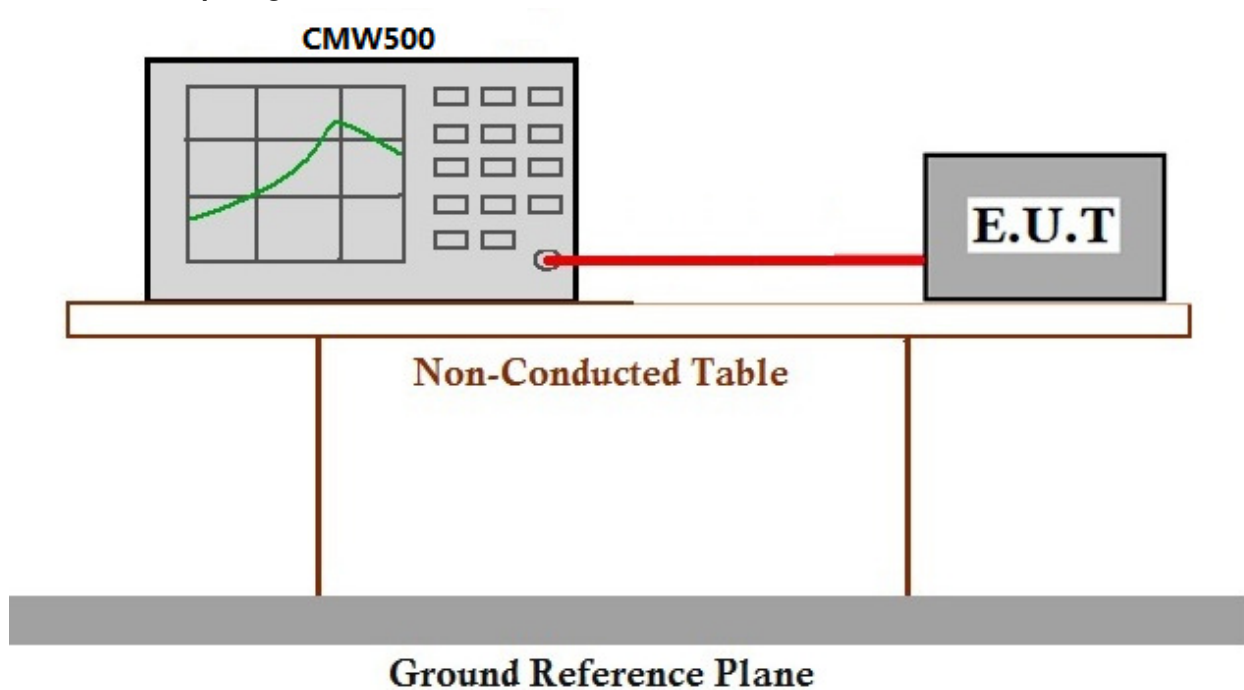
6.8 Modulation Characteristics

Test Requirement: §2.1047
 Test Method: ANSI C63.26, KDB 971 168 D01 v03
 Limit: Digital modulation

6.8.1 E.U.T. Operation

Operating Environment:
 Temperature: 25 °C Humidity: 57 % RH Atmospheric Pressure: 1015 mbar
 Test mode: z: Tx mode, Keep the EUT in transmitting mode.

6.8.2 Test Setup Diagram



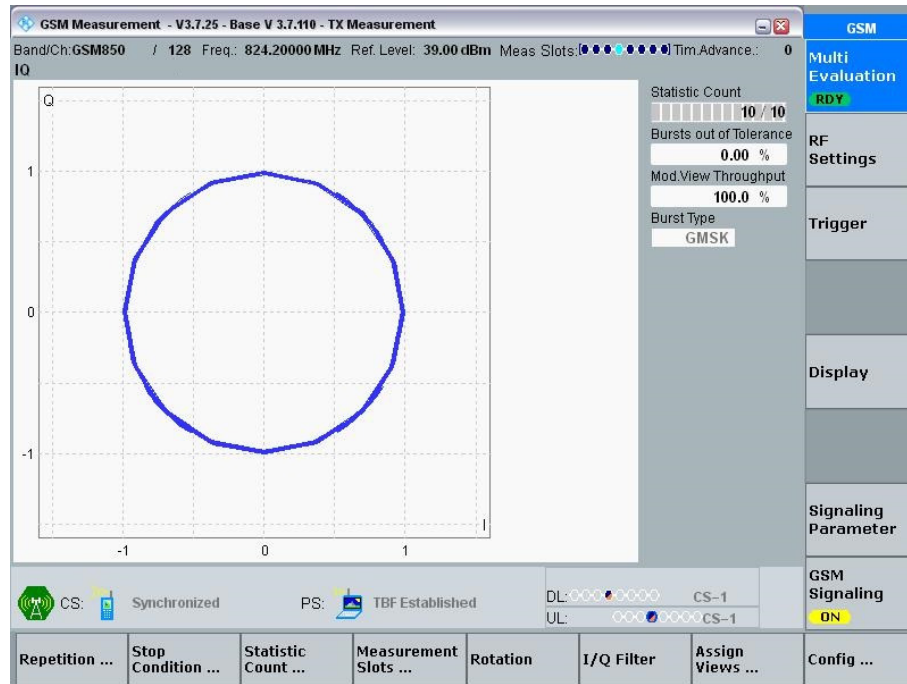
6.8.3 Measurement Data



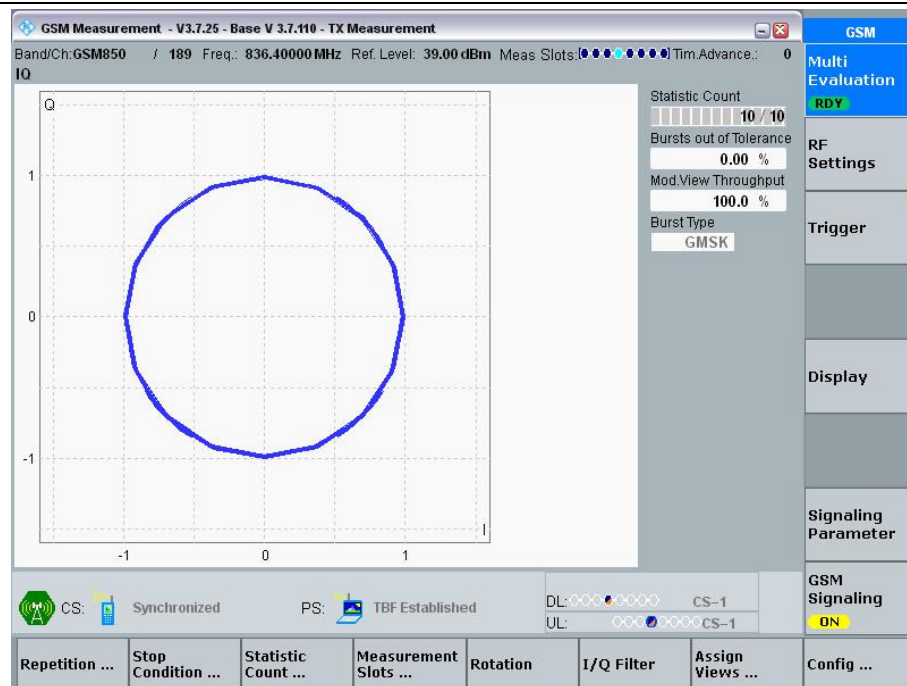
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Test Plot

GPRS850-Low

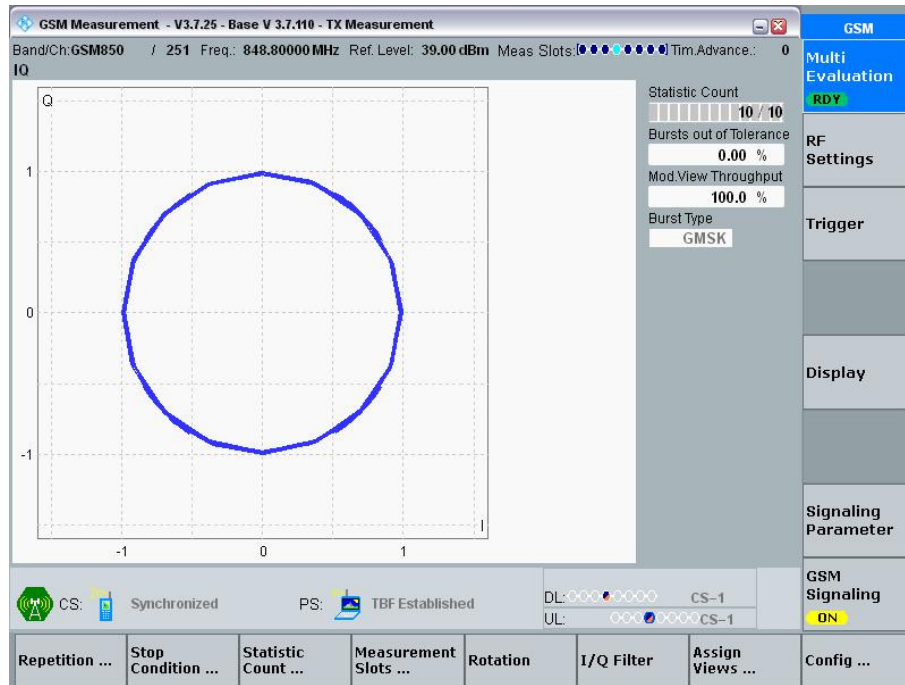


GPRS850-Middle

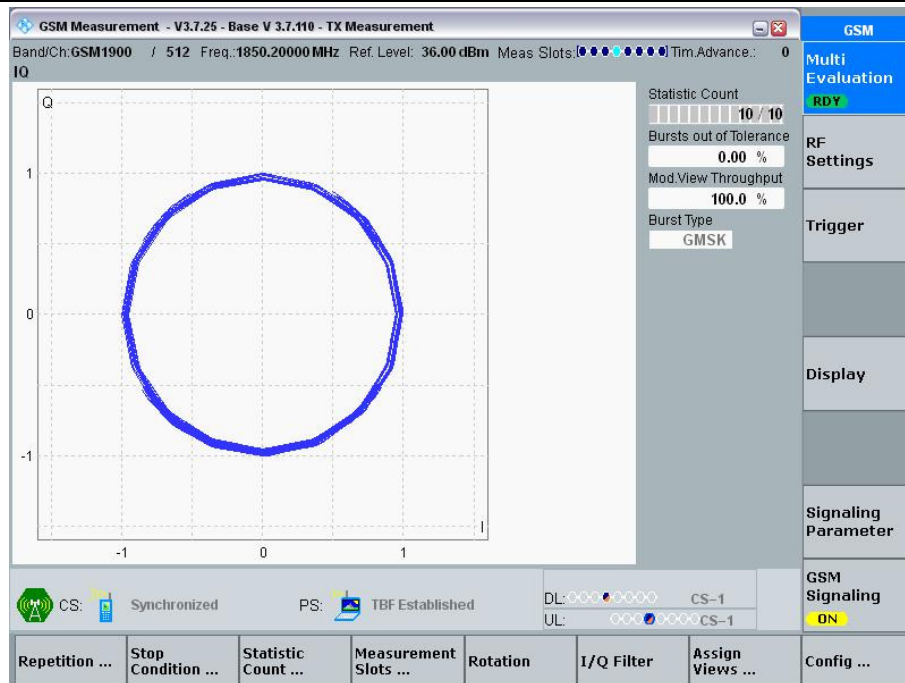


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GPRS850-High

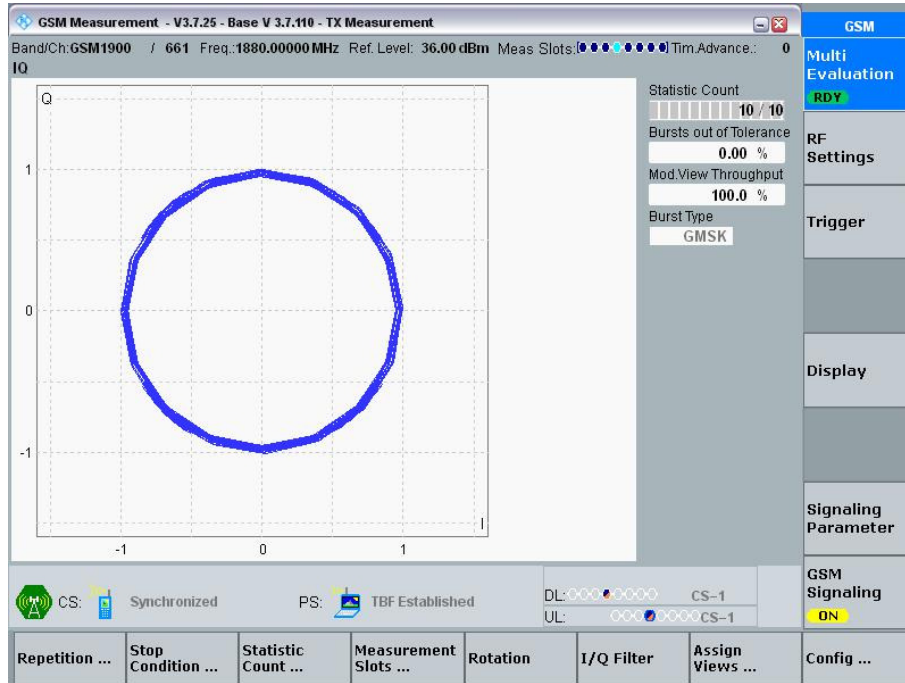


GPRS1900-Low

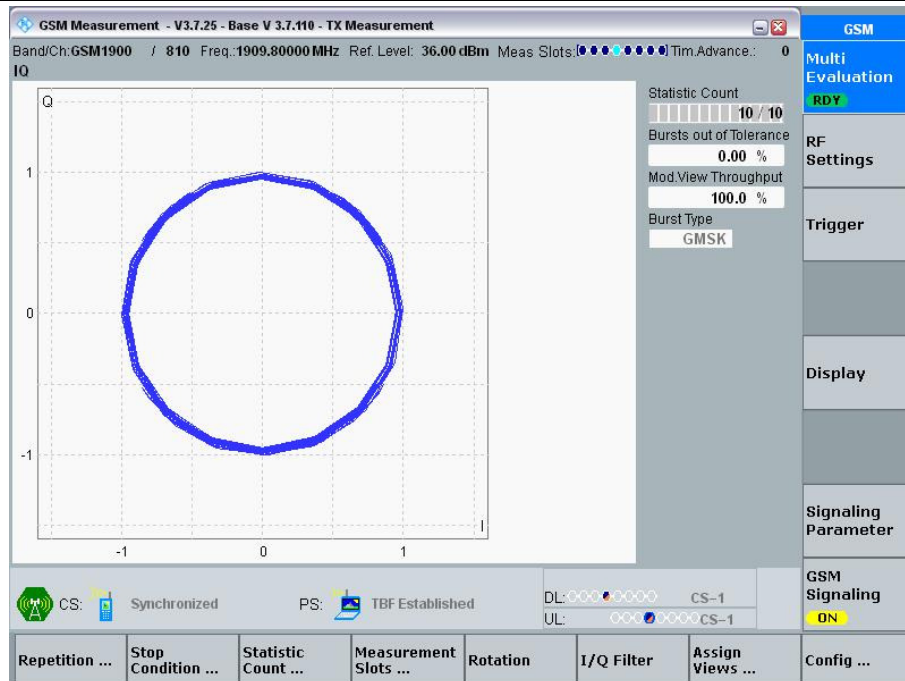


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GPRS1900-Middle



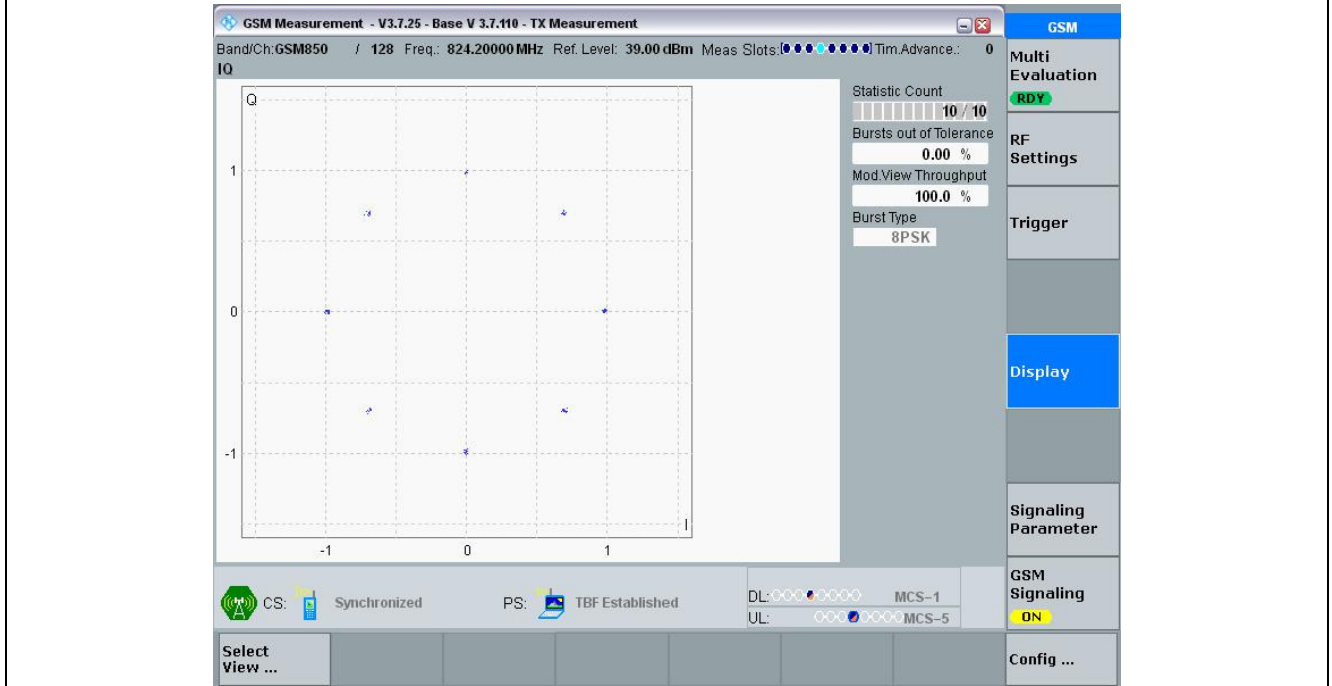
GPRS1900-High



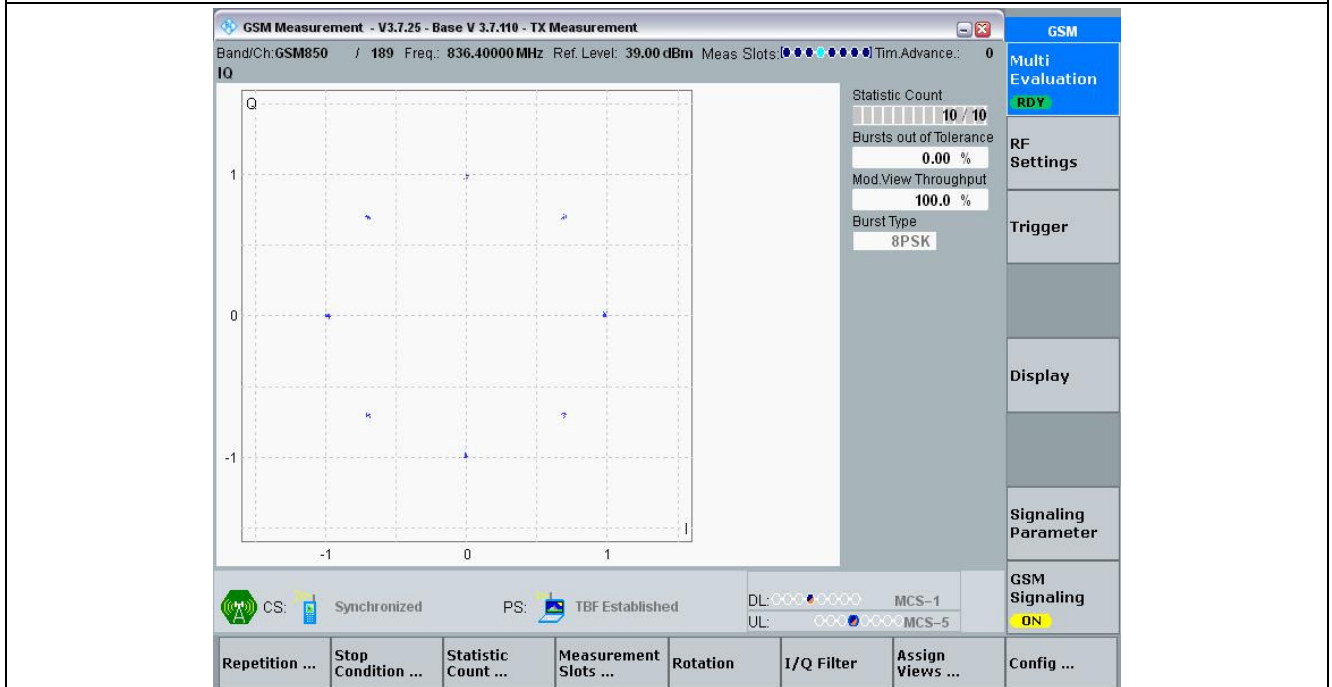
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Test Plot

EGPRS850-Low

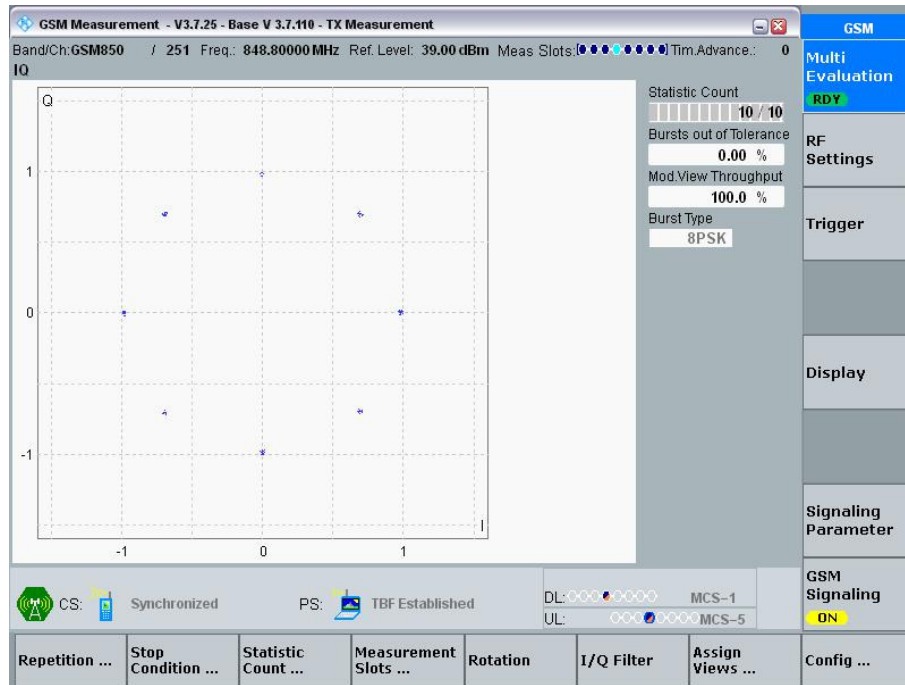


EGPRS850-Middle

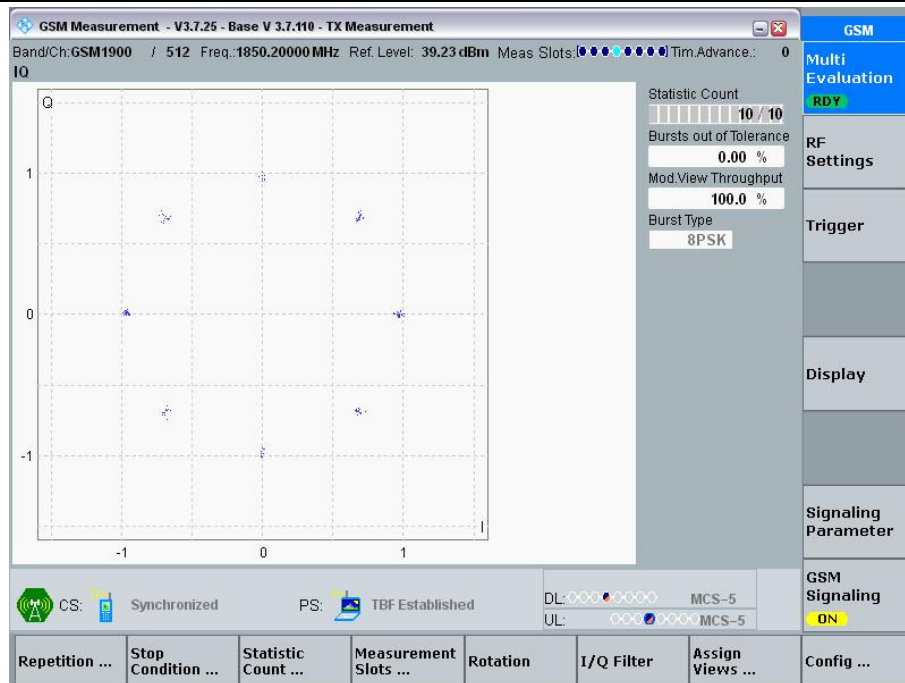


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EGPRS850-High

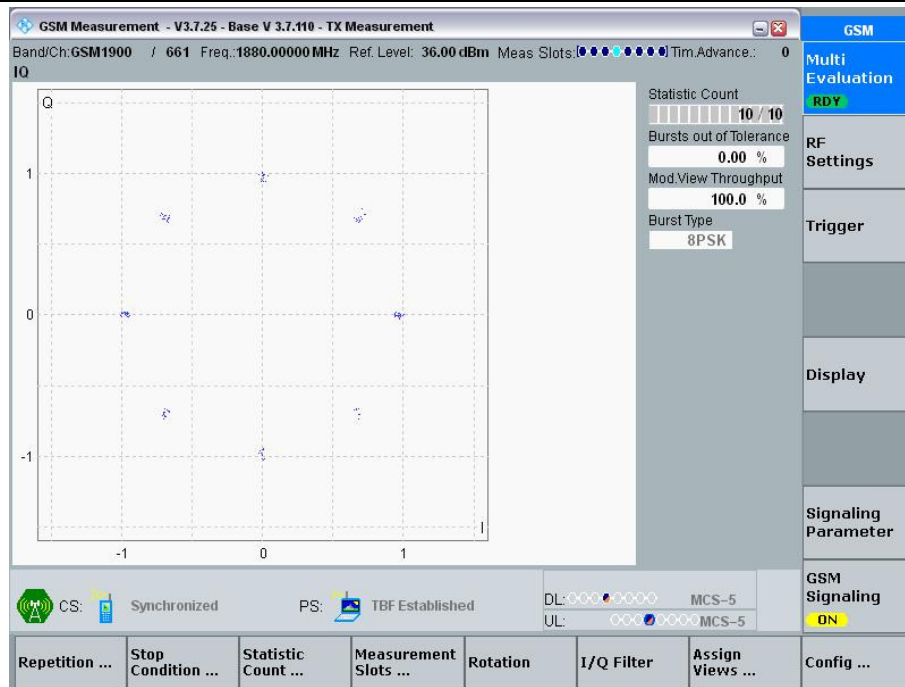


EGPRS1900-Low

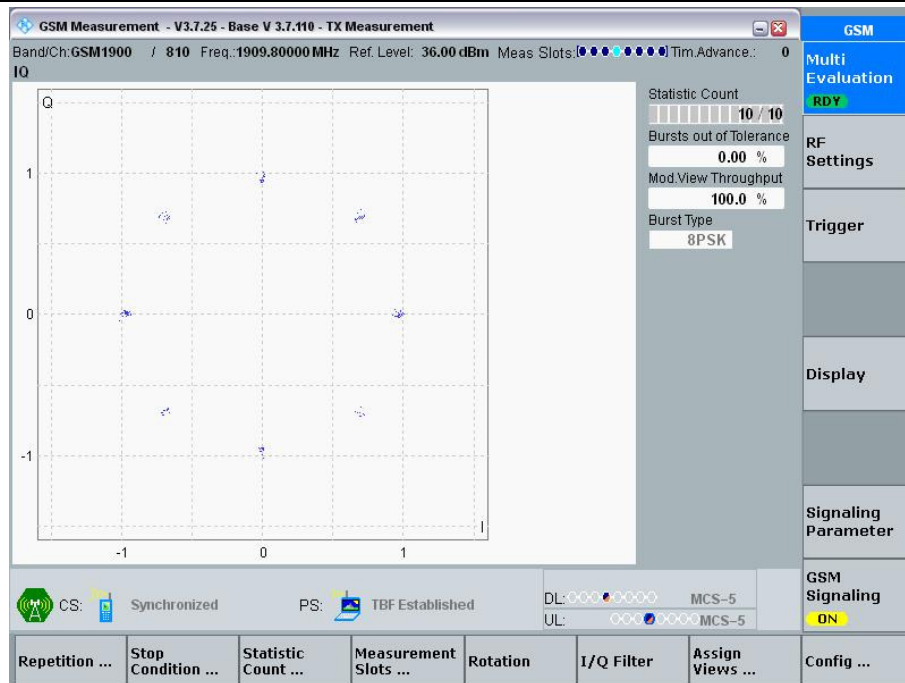


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EGPRS1900-Middle



EGPRS1900-High



- End of the Report -



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