# FCC TEST REPORT

For

General Procurement, Inc

Hyundai Koral_10XL

Model No.: Koral_10XL

| | | |
|---|---|---|
| Prepared For | : | General Procurement, Inc |
| Address | : | 800 E Dyer Road , Santa Ana, California, United States 92705 |
| Prepared By | : | Shenzhen Anbotek Compliance Laboratory Limited |
| Address | : | 1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102<br>Tel: (86) 755-26066440 Fax: (86) 755-26014772 |
| Report Number | : | SZAWW181122004-04 |
| Date of Receipt | : | Nov. 22, 2018 |
| Date of Test | : | Nov. 22, 2018~Jan. 02, 2019 |
| Date of Report | : | Jan. 03, 2019 |

# Contents

# TEST REPORT

| | | |
|---|---|---|
| Applicant | : | General Procurement, Inc |
| Manufacturer | : | Shen Zhen Cheng Fong Digital-Tech Limited |
| Product Name | : | Hyundai Koral_10XL |
| Model No. | : | Koral_10XL |
| Trade Mark | : | Hyundai |
| Rating(s) | : | Input: DC 5V, 2A(Via adapter Input: AC 100~240V, 50/60Hz, Max: 0.35A; with DC 3.7V, 5000mAh Battery inside) |

| | | |
|---|---|---|
| **Test Standard(s)** | **:** | **FCC PART 2, FCC Part 22(H) :2018, FCC Part 24(E):2018, FCC Part 27: 2018** |
| **Test Method(s)** | **:** | **ANSI/TIAC603 D: 2010，KDB971168 D01 v03** |

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 22/FCC Part 24/FCC Part 27 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Test : : Nov. 22, 2018~Jan. 02, 2019

Prepared by : : Oliay Yang

(Engineer / Oliay Yang)

Reviewer : : Snowy Meng

(Supervisor / Snowy Meng)

Approved & Authorized Signer : : Sally Zhang

(Manager / Sally Zhang)

# 1. General Information

## 1.1. Client Information

| | | |
|---|---|---|
| Applicant | : | General Procurement, Inc |
| Address | : | 800 E Dyer Road , Santa Ana, California, United States 92705 |
| Manufacturer | : | Shen Zhen Cheng Fong Digital-Tech Limited |
| Address | : | Building A, ChengFong Industrial Area, Huaxing road, Dalang, Longhua, Shen Zhen, China |
| Factory | : | Shen Zhen Cheng Fong Digital-Tech Limited |
| Address | : | Building A, ChengFong Industrial Area, Huaxing road, Dalang, Longhua, Shen Zhen, China |

## 1.2. Description of Device (EUT)

| | | | |
|---|---|---|---|
| Product Name | : | Hyundai Koral_10XL | |
| Model No. | : | Koral_10XL | |
| Trade Mark | : | Hyundai | |
| Test Sample NO. | : | S1 | |
| Test Power Supply | | AC 240V, 60Hz for adapter/ AC 120V, 60Hz for adapter/ DC 3.7V Battery inside | |
| Product Description | : | Operation Frequency: | GSM/GPRS 850<br>TX:824.2~848.8 MHz; RX:869.2~893.8 MHz<br>PCS/GPRS 1900<br>TX:1850.2~1909.8 MHz; RX:1930.2~1989.8 MHz<br>UMTS-FDD Band 5<br>TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz<br>UMTS-FDD Band 2<br>TX:1852.4~1907.6 MHz; RX: 1932.4~1987.6 MHz<br>LTE-FDD Band 2<br>TX: 1850.7 ~ 1909.3 MHz; RX: 1930.3 ~ 1989.3 MHz<br>LTE-FDD Band 4<br>TX:1710.7 ~ 1754.3 MHz; RX: 2110.7 ~ 2154.3 MHz |
| | | GPRS Class | 8/10/12 |
| | | Modulation Type: | GSM/GPRS: GMSK<br>WCDMA: BPSK, 16QAM<br>LTE: QPSK, 16QAM |
| | | Antenna Type: | PIFA Antenna |
| | | Antenna Gain(Peak): | GSM 850: 2.5 dBi<br>PCS 1900: 2.5 dBi<br>UMTS-FDD Band 2: 2.5 dBi<br>UMTS-FDD Band 5: 2.5 dBi<br>LTE-FDD Band 2: 2.5 dBi |

| | | | |
|---|---|---|---|
| | | | LTE-FDD Band 5: 2.5 dBi |
| **Remark:** 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.<br>2) This report is for GSM&WCDMA&LTE module. | | | |

## 1.3. Auxiliary Equipment Used During Test

| | | |
|---|---|---|
| Adapter | : | Manufacturer: Shenzhen Jihongda Power Co., Ltd. |
| | | M/N: JHD-AP013U-050200BB-B<br>Input: 100-240V~ 50/60Hz, 0.35A<br>Output: DC 5V, 2000mA |

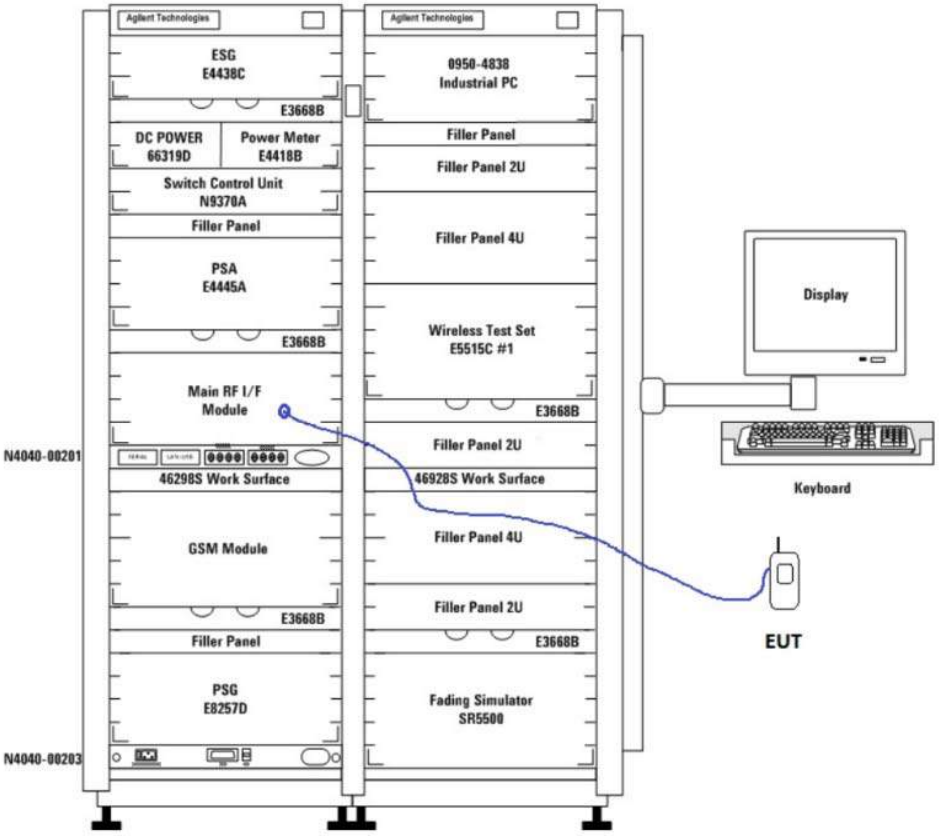
## 1.4. Description of Test Modes

The following is the description of how the EUT is exercised during testing.

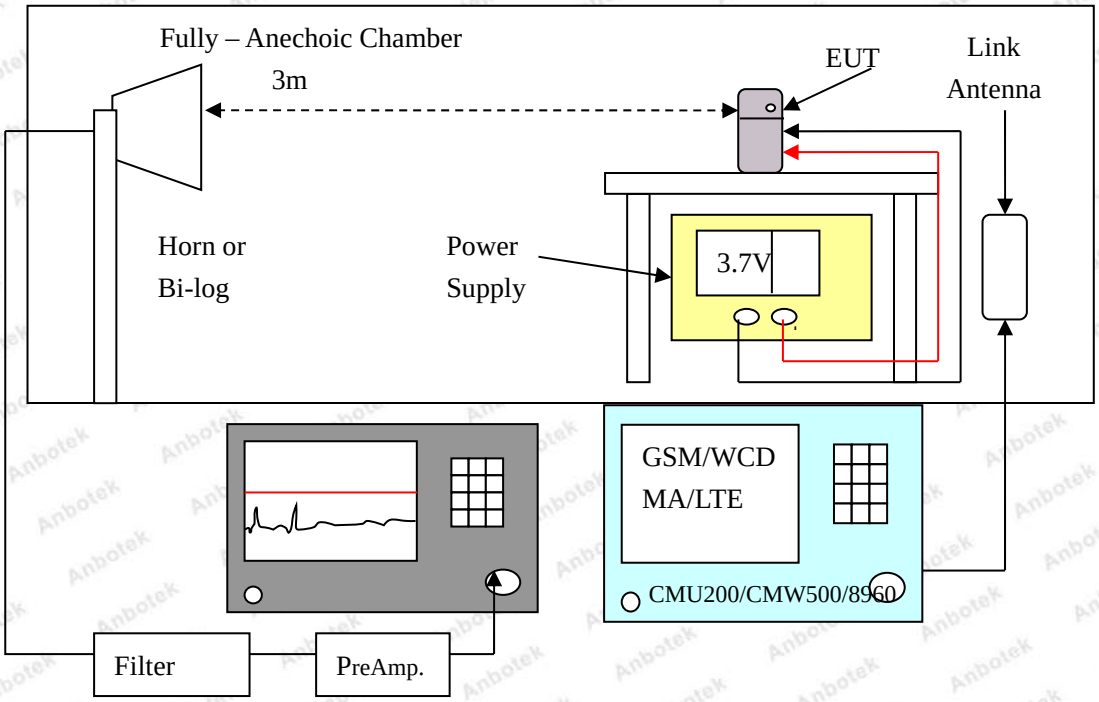
| Test | Description Of Operation |
|---|---|
| Emissions Testing | The EUT was communicating with base station. |
| Others Testing | The EUT was communicating with base station. |

## 1.5. Description Of Test Setup

### 1.5.1 Conducted Test Setup



1.5.2 Radiated Test Setup

1.6. Test Equipment List

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| 1. | Spectrum Analysis | Agilent | E4407B | US39390582 | Nov. 05, 2018 | 1 Year |
| 2. | Preamplifier | SKET Electronic | BK1G18G30D | KD17503 | Nov. 05, 2018 | 1 Year |
| 3. | EMI Test Receiver | Rohde & Schwarz | ESPI3 | 101604 | Nov. 05, 2018 | 1 Year |
| 4. | Double Ridged Horn Antenna | Instruments corporation | GTH-0118 | 351600 | Nov. 19, 2018 | 1 Year |
| 5. | Bilog Broadband Antenna | Schwarzbeck | VULB9163 | VULB 9163-289 | Nov. 19, 2018 | 1 Year |
| 6. | Bilog Broadband Antenna | SCHWARZBECK | VULB 9163 | 01109 | Nov. 20, 2018 | 1 Year |
| 7. | Pre-amplifier | SONOMA | 310N | 186860 | Nov. 05, 2018 | 1 Year |
| 8. | EMI Test Software EZ-EMC | SHURPLE | N/A | N/A | N/A | N/A |
| 9. | MXA Spectrum Analysis | Agilent | N9020A | MY51170037 | Nov. 05, 2018 | 1 Year |
| 10. | MXG RF Vector Signal Generator | Agilent | N5182A | MY48180656 | Nov. 05, 2018 | 1 Year |
| 11. | DC Power Supply | IVYTECH | IV3605 | 1804D360510 | Apr. 02, 2018 | 1 Year |
| 12. | Constant Temperature Humidity Chamber | ZHONGJIAN | ZJ-KHWS80B | N/A | Nov. 01, 2018 | 1 Year |
| 13. | Universal Radio Communication Tester | Rohde & Schwarz | CMU 200 | 117888 | Nov. 05, 2018 | 1 Year |
| 14. | Wideband Radio Communication Tester | Rohde & Schwarz | CMW 500 | 104209 | Nov. 05, 2018 | 1 Year |
| 15. | High-Pass Filter | CDKMV | ZHPF-BM1100-4000-0730 | B2015094550 | Nov. 08, 2018 | 1 Year |
| 16. | High-Pass Filter | CDKMV | ZHPF-M3.5-18G-3834 | 1307006523 | Nov. 05, 2018 | 1 Year |
| 17. | 4 Ch. Simultaneous Sampling 14 Bits 2 MS/s | Agilent | U2531A | TW54063507 | Nov. 05, 2018 | 1 Year |
| 18. | 4 Ch. Simultaneous Sampling 14 Bits 2 MS/s | Agilent | U2531A | TW54063513 | Nov. 05, 2018 | 1 Year |

## 1.7. Measurement Uncertainty

Maximum measurement uncertainty

| Parameter | Uncertainty |
|---|---|
| RF output power, conducted | ±1,5 dB |
| Power Spectral Density, conducted | ±3 dB |
| Unwanted Emissions, conducted | ±3 dB |
| All emissions, radiated | ±6 dB |
| Temperature | ±1 ℃ |
| Humidity | ±5 % |
| DC and low frequency voltages | ±3 % |
| Time | ±5 % |
| Confidence interval：95%. Confidence factor:k=2 | |

## 1.8. Description of Test Facility

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

**FCC-Registration No.: 184111**

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registed and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 184111, July 31, 2017.

**ISED-Registration No.: 8058A-1**

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A-1, June 13, 2016.

**Test Location**

All Emissions tests were performed at

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

# 2. Summary of Test

## 2.1. Summary of test result

| FCC Rules | Description of Test | Result |
|---|---|---|
| §2.1046; § 22.913(a); § 24.232(c); § 27.50(c.10); § 27.50(d.4) | RF Output Power | Compliance |
| § 24.232 (d); § 27.50(d) | Peak-Average Ratio | Compliance |
| § 2.1047 | Modulation Characteristics | N/A |
| § 2.1049; § 22.905; § 22.917; § 24.238; § 27.53(a.5) | 99% & -26 dB Occupied Bandwidth | Compliance |
| § 2.1051; § 22.917(a); § 24.238(a); § 27.53(h) | Spurious Emissions at Antenna Terminal | Compliance |
| § 2.1053; § 22.917(a); § 24.238(a); § 27.53(h) | Field Strength of Spurious Radiation | Compliance |
| § 22.917(a); § 24.238(a); § 27.53(h) | Out of band emission, Band Edge | Compliance |
| § 2.1055; § 22.355; § 24.235; § 27.5(h); § 27.54 | Frequency stability vs. temperature<br>Frequency stability vs. voltage | Compliance |

Note: Testing was performed by configuring EUT to maximum output power status, the declared output power class for different

## 2.2. Test mode

During all testing, EUT is in link mode with base station emulator at maximum power level in each test mode and channel as below:

| | |
|---|---|
| Temperature range | 21-25℃ |
| Humidity range | 40-75% |
| Pressure range | 86-106kPa |

| Mode | Channel | Frequency(MHz) |
|---|---|---|
| GSM 850 | 128 | 824.2 |
| | 190 | 836.6 |
| | 251 | 848.8 |
| PCS 1900 | 512 | 1850.2 |
| | 661 | 1880.0 |
| | 810 | 1909.8 |
| UMTS BAND V | 4132 | 826.4 |
| | 4182 | 836.4 |
| | 4233 | 846.6 |
| UMTS BAND II | 9262 | 1852.4 |
| | 9400 | 1880.0 |
| | 9538 | 1907.6 |

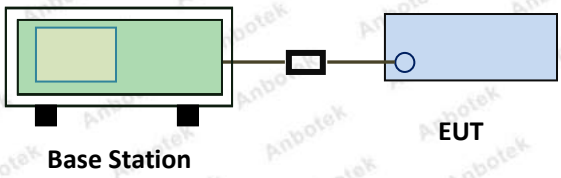
| Support Band | Test Mode BW(MHz) | Channel Frequency | Channel Number |
|---|---|---|---|
| LTE Band 2 | 1.4 | 1850.7 MHz | 18607 |
| | | 1880.0 MHz | 18900 |
| | | 1909.3 MHz | 19193 |
| | 3 | 1851.5 MHz | 18615 |
| | | 1880.0 MHz | 18900 |
| | | 1908.5 MHz | 19185 |
| | 5 | 1852.5 MHz | 18625 |
| | | 1880.0 MHz | 18900 |
| | | 1907.5 MHz | 19175 |
| | 10 | 1855.0 MHz | 18650 |
| | | 1880.0 MHz | 18900 |
| | | 1905.0 MHz | 19150 |
| | 15 | 1857.5 MHz | 18675 |
| | | 1880.0 MHz | 18900 |
| | | 1902.5 MHz | 19125 |
| | 20 | 1860.0 MHz | 18700 |
| | | 1880.0 MHz | 18900 |
| | | 1900.0 MHz | 19100 |
| LTE Band 4 | 1.4 | 1710.7 MHz | 19957 |
| | | 1732.5 MHz | 20175 |
| | | 1754.3 MHz | 20393 |
| | 3 | 1711.5 MHz | 19965 |
| | | 1732.5 MHz | 20175 |
| | | 1753.5 MHz | 20385 |
| | 5 | 1712.5 MHz | 19975 |
| | | 1732.5 MHz | 20175 |
| | | 1752.5 MHz | 20375 |
| | 10 | 1715.0 MHz | 20000 |
| | | 1732.5 MHz | 20175 |
| | | 1750.0 MHz | 20350 |
| | 15 | 1717.5 MHz | 20025 |
| | | 1732.5 MHz | 20175 |
| | | 1747.5 MHz | 20325 |
| | 20 | 1720.0 MHz | 20050 |
| | | 1732.5 MHz | 20175 |
| | | 1745.0 MHz | 20300 |

# 3. RF Output Power Test

## 3.1. Test Standard and Limit

| Spec | Item | Requirement |
|---|---|---|
| §22.913 (a) | a) | ERP:38.5dBm |
| §24.232 (c) | b) | EIRP:33dBm |
| § 27.50 (c) | c) | EIRP:30dBm |

## 3.2. Test Setup




## 3.3. Test Procedure

**For Conducted Power:**

The transmitter output port was connected to base station.

Set EUT at maximum power through base station.

Select lowest, middle, and highest channels for each band and different test mode.

**For ERP/EIRP:**

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

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.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

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.

Spurious emissions in dB = 10 log (TX power in Watts/0.001) – the absolute level

Spurious attenuation limit in dB = 43 + 10 Log10 (power out in Watts.

## 3.4. Test Data

Please to see the following pages

# Conducted Power:

GSM Mode:

| Band | Channel | PCL | Power(dBm) | Limit(dBm) | Verdict |
|---|---|---|---|---|---|
| GSM850 | 128 | 5 | 30.46 | 38.5 | PASS |
| GSM850 | 190 | 5 | 30.79 | 38.5 | PASS |
| GSM850 | 251 | 5 | 30.89 | 38.5 | PASS |
| GSM1900 | 512 | 0 | 27.87 | 33 | PASS |
| GSM1900 | 661 | 0 | 27.65 | 33 | PASS |
| GSM1900 | 810 | 0 | 27.58 | 33 | PASS |

GPRS Mode:

| Band | Channel | PCL | Slot | Power(dBm) | Limit(dBm) | Verdict |
|---|---|---|---|---|---|---|
| GPRS850 | 128 | 3 | 1 | 30.40 | 38.5 | PASS |
| GPRS850 | 128 | 3 | 2 | 27.94 | 38.5 | PASS |
| GPRS850 | 128 | 3 | 3 | 26.53 | 38.5 | PASS |
| GPRS850 | 128 | 3 | 4 | 25.26 | 38.5 | PASS |
| GPRS850 | 190 | 3 | 1 | 30.58 | 38.5 | PASS |
| GPRS850 | 190 | 3 | 2 | 28.15 | 38.5 | PASS |
| GPRS850 | 190 | 3 | 3 | 26.68 | 38.5 | PASS |
| GPRS850 | 190 | 3 | 4 | 25.39 | 38.5 | PASS |
| GPRS850 | 251 | 3 | 1 | 30.64 | 38.5 | PASS |
| GPRS850 | 251 | 3 | 2 | 28.20 | 38.5 | PASS |
| GPRS850 | 251 | 3 | 3 | 26.81 | 38.5 | PASS |
| GPRS850 | 251 | 3 | 4 | 25.53 | 38.5 | PASS |
| GPRS1900 | 512 | 3 | 1 | 28.08 | 33 | PASS |
| GPRS1900 | 512 | 3 | 2 | 27.84 | 33 | PASS |
| GPRS1900 | 512 | 3 | 3 | 25.81 | 33 | PASS |
| GPRS1900 | 512 | 3 | 4 | 24.54 | 33 | PASS |
| GPRS1900 | 661 | 3 | 1 | 27.70 | 33 | PASS |
| GPRS1900 | 661 | 3 | 2 | 27.50 | 33 | PASS |
| GPRS1900 | 661 | 3 | 3 | 25.53 | 33 | PASS |
| GPRS1900 | 661 | 3 | 4 | 24.09 | 33 | PASS |
| GPRS1900 | 810 | 3 | 1 | 27.62 | 33 | PASS |
| GPRS1900 | 810 | 3 | 2 | 27.39 | 33 | PASS |
| GPRS1900 | 810 | 3 | 3 | 25.28 | 33 | PASS |
| GPRS1900 | 810 | 3 | 4 | 23.96 | 33 | PASS |

WCDMA Mode:

| Band | Channel | Power(dBm) | Limit(dBm) | Verdict |
|---|---|---|---|---|
| Band II | 9262 | 22.38 | 33 | PASS |
| Band II | 9400 | 21.92 | 33 | PASS |
| Band II | 9538 | 22.30 | 33 | PASS |
| Band V | 4132 | 20.52 | 38.5 | PASS |
| Band V | 4182 | 20.73 | 38.5 | PASS |
| Band V | 4233 | 20.94 | 38.5 | PASS |

| Band | Channel | SubTest | Power(dBm) | Limit(dBm) | Verdict |
|---|---|---|---|---|---|
| Band II | 9262 | HSDPA_Sub1 | 21.73 | 33 | PASS |
| Band II | 9262 | HSDPA_Sub2 | 20.71 | 33 | PASS |
| Band II | 9262 | HSDPA_Sub3 | 21.04 | 33 | PASS |
| Band II | 9262 | HSDPA_Sub4 | 21.47 | 33 | PASS |
| Band II | 9400 | HSDPA_Sub1 | 21.96 | 33 | PASS |
| Band II | 9400 | HSDPA_Sub2 | 21.19 | 33 | PASS |
| Band II | 9400 | HSDPA_Sub3 | 20.97 | 33 | PASS |
| Band II | 9400 | HSDPA_Sub4 | 20.88 | 33 | PASS |
| Band II | 9538 | HSDPA_Sub1 | 22.29 | 33 | PASS |
| Band II | 9538 | HSDPA_Sub2 | 21.63 | 33 | PASS |
| Band II | 9538 | HSDPA_Sub3 | 21.09 | 33 | PASS |
| Band II | 9538 | HSDPA_Sub4 | 21.34 | 33 | PASS |
| Band V | 4132 | HSDPA_Sub1 | 20.64 | 38.5 | PASS |
| Band V | 4132 | HSDPA_Sub2 | 20.79 | 38.5 | PASS |
| Band V | 4132 | HSDPA_Sub3 | 20.44 | 38.5 | PASS |
| Band V | 4132 | HSDPA_Sub4 | 20.92 | 38.5 | PASS |
| Band V | 4182 | HSDPA_Sub1 | 20.40 | 38.5 | PASS |
| Band V | 4182 | HSDPA_Sub2 | 20.87 | 38.5 | PASS |
| Band V | 4182 | HSDPA_Sub3 | 20.59 | 38.5 | PASS |
| Band V | 4182 | HSDPA_Sub4 | 20.61 | 38.5 | PASS |
| Band V | 4233 | HSDPA_Sub1 | 20.73 | 38.5 | PASS |
| Band V | 4233 | HSDPA_Sub2 | 20.35 | 38.5 | PASS |
| Band V | 4233 | HSDPA_Sub3 | 20.91 | 38.5 | PASS |
| Band V | 4233 | HSDPA_Sub4 | 20.38 | 38.5 | PASS |

| Band | Channel | SubTest | Power(dBm) | Limit(dBm) | Verdict |
|---|---|---|---|---|---|
| Band II | 9262 | HSUPA_Sub1 | 20.67 | 33 | PASS |
| Band II | 9262 | HSUPA_Sub2 | 20.84 | 33 | PASS |
| Band II | 9262 | HSUPA_Sub3 | 20.97 | 33 | PASS |
| Band II | 9262 | HSUPA_Sub4 | 20.76 | 33 | PASS |
| Band II | 9262 | HSUPA_Sub5 | 20.31 | 33 | PASS |
| Band II | 9400 | HSUPA_Sub1 | 21.83 | 33 | PASS |
| Band II | 9400 | HSUPA_Sub2 | 21.08 | 33 | PASS |
| Band II | 9400 | HSUPA_Sub3 | 21.08 | 33 | PASS |
| Band II | 9400 | HSUPA_Sub4 | 20.83 | 33 | PASS |
| Band II | 9400 | HSUPA_Sub5 | 20.91 | 33 | PASS |
| Band II | 9538 | HSUPA_Sub1 | 20.41 | 33 | PASS |
| Band II | 9538 | HSUPA_Sub2 | 20.40 | 33 | PASS |
| Band II | 9538 | HSUPA_Sub3 | 20.35 | 33 | PASS |
| Band II | 9538 | HSUPA_Sub4 | 20.43 | 33 | PASS |
| Band II | 9538 | HSUPA_Sub5 | 20.62 | 33 | PASS |
| Band V | 4132 | HSUPA_Sub1 | 20.55 | 38.5 | PASS |
| Band V | 4132 | HSUPA_Sub2 | 20.52 | 38.5 | PASS |
| Band V | 4132 | HSUPA_Sub3 | 20.31 | 38.5 | PASS |
| Band V | 4132 | HSUPA_Sub4 | 20.45 | 38.5 | PASS |
| Band V | 4132 | HSUPA_Sub5 | 20.62 | 38.5 | PASS |
| Band V | 4182 | HSUPA_Sub1 | 20.49 | 38.5 | PASS |
| Band V | 4182 | HSUPA_Sub2 | 20.44 | 38.5 | PASS |
| Band V | 4182 | HSUPA_Sub3 | 20.53 | 38.5 | PASS |
| Band V | 4182 | HSUPA_Sub4 | 20.36 | 38.5 | PASS |
| Band V | 4182 | HSUPA_Sub5 | 20.33 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub1 | 20.77 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub2 | 20.48 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub3 | 20.68 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub4 | 20.71 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub5 | 20.62 | 38.5 | PASS |

LTE Mode:

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|---|---|---|---|---|---|---|
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#0 | 23.65 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#2 | 23.47 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#5 | 23.40 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#0 | 23.63 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#1 | 23.70 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#3 | 23.54 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 6RB#0 | 22.42 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#0 | 23.07 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#2 | 23.10 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#5 | 23.38 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#0 | 23.33 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#1 | 23.12 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#3 | 22.93 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 6RB#0 | 21.92 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#0 | 23.46 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#2 | 23.44 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#5 | 23.24 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#0 | 23.42 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#1 | 23.46 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#3 | 23.38 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 6RB#0 | 22.43 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#0 | 22.61 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#2 | 22.96 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#5 | 22.77 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#0 | 22.66 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#1 | 22.53 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#3 | 22.52 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0 | 21.23 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#0 | 22.04 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#2 | 21.86 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#5 | 21.86 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#0 | 21.70 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#1 | 21.79 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#3 | 22.06 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0 | 21.43 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#0 | 22.02 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#2 | 22.60 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#5 | 22.25 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#0 | 22.32 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#1 | 22.45 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#3 | 22.55 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0 | 21.39 | PASS |

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|---|---|---|---|---|---|---|
| Band2 | 3MHz | QPSK | 18615 | 1RB#0 | 23.55 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#8 | 23.25 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#14 | 23.15 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#0 | 22.18 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#4 | 22.20 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#7 | 22.20 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 15RB#0 | 22.21 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#0 | 22.99 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#8 | 22.79 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#14 | 22.94 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#0 | 21.83 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#4 | 21.80 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#7 | 21.89 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 15RB#0 | 21.85 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#0 | 23.23 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#8 | 23.24 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#14 | 23.30 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#0 | 22.16 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#4 | 21.96 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#7 | 22.12 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 15RB#0 | 22.06 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#0 | 22.35 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#8 | 22.39 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#14 | 22.35 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#0 | 21.26 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#4 | 21.02 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#7 | 21.34 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0 | 21.04 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#0 | 21.54 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#8 | 21.44 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#14 | 21.39 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#0 | 20.72 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#4 | 20.72 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#7 | 20.66 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0 | 20.80 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#0 | 22.39 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#8 | 22.22 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#14 | 22.69 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#0 | 20.84 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#4 | 20.85 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#7 | 21.12 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0 | 21.02 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#0 | 23.22 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#12 | 23.58 | PASS |

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|---|---|---|---|---|---|---|
| Band2 | 5MHz | QPSK | 18625 | 1RB#24 | 22.98 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#0 | 22.19 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#6 | 22.12 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#13 | 22.01 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0 | 22.17 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#0 | 23.03 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#12 | 22.93 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#24 | 22.91 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#0 | 21.79 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#6 | 21.92 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#13 | 21.78 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 25RB#0 | 21.83 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#0 | 22.99 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#12 | 23.54 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#24 | 23.10 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#0 | 22.03 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#6 | 22.06 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#13 | 22.03 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0 | 22.07 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#0 | 21.84 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#12 | 21.73 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#24 | 21.60 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#0 | 21.09 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#6 | 21.13 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#13 | 21.10 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 25RB#0 | 21.20 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#0 | 21.51 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#12 | 21.84 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#24 | 21.90 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#0 | 20.96 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#6 | 20.96 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#13 | 20.76 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 25RB#0 | 21.00 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#0 | 21.50 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#12 | 22.14 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#24 | 22.26 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#0 | 20.98 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#6 | 20.82 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#13 | 20.81 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 25RB#0 | 21.33 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#0 | 23.34 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#24 | 23.05 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#49 | 23.17 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#0 | 22.31 | PASS |

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|---|---|---|---|---|---|---|
| Band2 | 10MHz | QPSK | 18650 | 25RB#12 | 22.10 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#25 | 22.12 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 50RB#0 | 22.17 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#0 | 23.03 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#24 | 22.76 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#49 | 22.94 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#0 | 21.98 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#12 | 21.95 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#25 | 21.93 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 50RB#0 | 21.91 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#0 | 23.24 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#24 | 23.18 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#49 | 23.24 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#0 | 22.14 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#12 | 22.14 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#25 | 22.21 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 50RB#0 | 22.15 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0 | 22.18 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#24 | 22.52 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#49 | 22.43 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#0 | 21.09 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#12 | 20.97 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#25 | 20.96 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0 | 21.15 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#0 | 22.14 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#24 | 22.16 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#49 | 22.31 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#0 | 21.05 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#12 | 20.83 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#25 | 20.86 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0 | 20.94 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#0 | 21.82 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#24 | 22.65 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#49 | 21.88 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#0 | 21.11 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#12 | 21.19 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#25 | 21.34 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0 | 21.10 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#0 | 23.32 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#38 | 23.38 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#74 | 23.34 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 38RB#0 | 22.23 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 38RB#18 | 22.12 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 38RB#37 | 22.16 | PASS |

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| Band2 | 15MHz | QPSK | 18675 | 75RB#0 | 22.22 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#0 | 22.92 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#38 | 22.95 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#74 | 22.83 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 38RB#0 | 21.98 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 38RB#18 | 22.01 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 38RB#37 | 21.93 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 75RB#0 | 21.90 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#0 | 22.99 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#38 | 23.06 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#74 | 23.29 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 38RB#0 | 22.14 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 38RB#18 | 22.17 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 38RB#37 | 22.18 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 75RB#0 | 22.11 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0 | 22.56 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#38 | 22.32 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#74 | 22.29 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 38RB#0 | 21.07 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 38RB#18 | 21.17 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 38RB#37 | 21.15 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0 | 21.17 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#0 | 21.89 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#38 | 22.52 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#74 | 22.90 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#0 | 20.99 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#18 | 21.01 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#37 | 20.97 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0 | 20.96 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0 | 22.51 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#38 | 22.22 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#74 | 22.27 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#0 | 21.14 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#18 | 20.85 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#37 | 21.03 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0 | 21.10 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#0 | 23.28 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#49 | 23.32 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#99 | 23.16 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#0 | 22.20 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#25 | 22.13 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#50 | 22.07 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 22.09 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#0 | 23.17 | PASS |

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|---|---|---|---|---|---|---|
| Band2 | 20MHz | QPSK | 18900 | 1RB#49 | 23.37 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#99 | 23.11 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#0 | 22.05 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#25 | 21.97 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#50 | 21.85 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 21.90 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#0 | 23.14 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#49 | 23.02 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#99 | 23.11 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#0 | 22.09 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#25 | 22.12 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#50 | 22.11 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 22.13 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0 | 22.37 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#49 | 22.17 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#99 | 22.12 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#0 | 21.23 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#25 | 21.18 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#50 | 21.06 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 21.29 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#0 | 22.11 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#49 | 21.94 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#99 | 21.95 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#0 | 20.92 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#25 | 20.99 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#50 | 20.94 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 20.98 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#0 | 21.90 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#49 | 21.97 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#99 | 21.32 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#0 | 21.16 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#25 | 21.14 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#50 | 20.91 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 21.00 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | 23.00 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#2 | 22.82 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#5 | 22.97 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#0 | 23.14 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#1 | 23.17 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#3 | 23.03 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 21.99 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 22.76 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#2 | 22.77 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#5 | 22.83 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#0 | 22.91 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#1 | 22.87 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#3 | 22.83 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 21.88 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 22.66 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#2 | 22.93 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#5 | 22.70 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#0 | 22.76 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#1 | 22.80 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#3 | 22.73 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 21.79 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 22.29 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#2 | 22.45 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#5 | 22.20 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#0 | 22.11 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#1 | 22.09 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#3 | 21.98 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 20.98 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 21.90 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#2 | 22.29 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#5 | 21.80 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#0 | 22.03 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#1 | 21.98 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#3 | 21.83 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 20.66 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 22.01 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#2 | 22.38 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#5 | 22.07 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#0 | 21.83 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#1 | 21.86 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#3 | 21.72 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 20.89 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 22.96 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#8 | 22.87 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#14 | 22.94 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#0 | 22.06 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#4 | 21.98 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#7 | 22.02 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 22.06 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 22.90 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#8 | 22.86 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#14 | 22.98 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#0 | 21.84 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#4 | 21.71 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 3MHz | QPSK | 20175 | 8RB#7 | 21.74 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 21.84 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 22.79 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#8 | 22.63 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#14 | 22.68 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#0 | 21.81 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#4 | 21.76 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#7 | 21.85 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 21.76 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 22.17 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#8 | 22.23 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#14 | 22.44 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#0 | 21.15 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#4 | 21.04 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#7 | 20.83 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 20.98 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 22.40 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#8 | 22.05 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#14 | 21.91 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#0 | 21.06 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#4 | 21.21 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#7 | 20.85 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 20.79 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 21.95 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#8 | 22.18 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#14 | 21.89 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#0 | 20.68 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#4 | 20.46 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#7 | 20.44 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 20.83 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 23.00 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#12 | 23.25 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#24 | 22.98 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#0 | 21.98 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#6 | 22.05 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#13 | 22.04 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 22.00 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 22.75 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#12 | 22.90 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#24 | 22.90 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#0 | 21.88 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#6 | 21.82 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#13 | 21.76 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 21.87 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 22.82 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#12 | 23.16 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#24 | 22.80 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#0 | 21.96 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#6 | 21.92 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#13 | 22.05 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 21.99 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 21.66 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#12 | 22.35 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#24 | 21.71 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#0 | 21.11 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#6 | 20.91 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#13 | 21.05 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 21.18 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 21.91 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#12 | 21.91 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#24 | 21.56 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#0 | 20.78 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#6 | 20.89 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#13 | 20.92 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 20.76 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 21.59 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#12 | 21.96 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#24 | 21.71 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#0 | 20.92 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#6 | 20.80 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#13 | 20.71 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 20.98 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 23.10 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#24 | 23.26 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#49 | 23.09 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#0 | 22.19 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#12 | 22.13 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#25 | 22.20 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 22.15 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 22.93 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#24 | 22.75 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#49 | 22.74 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#0 | 21.90 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#12 | 21.88 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#25 | 21.88 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 21.89 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 23.03 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#24 | 22.87 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 10MHz | QPSK | 20350 | 1RB#49 | 22.95 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#0 | 21.99 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#12 | 22.00 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#25 | 21.98 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 22.03 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 21.98 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24 | 22.72 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49 | 22.25 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#0 | 21.27 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#12 | 21.31 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#25 | 21.13 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 21.18 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 21.64 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24 | 21.54 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49 | 21.54 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#0 | 20.88 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#12 | 20.86 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#25 | 20.77 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 20.81 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 22.45 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24 | 22.29 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49 | 21.77 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#0 | 20.96 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#12 | 21.08 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#25 | 21.14 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 21.00 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 22.94 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#38 | 22.93 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#74 | 22.93 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#0 | 22.08 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#18 | 22.07 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#37 | 22.17 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 22.15 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 23.21 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#38 | 22.79 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#74 | 22.70 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#0 | 21.93 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#18 | 21.93 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#37 | 21.90 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 21.91 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 22.76 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#38 | 22.87 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#74 | 22.67 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#0 | 21.91 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 15MHz | QPSK | 20325 | 38RB#18 | 21.98 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#37 | 21.97 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 21.97 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 22.51 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38 | 22.04 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74 | 22.00 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#0 | 21.21 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#18 | 21.09 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#37 | 21.16 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 21.24 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 22.25 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38 | 21.97 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74 | 21.62 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#0 | 20.97 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#18 | 20.73 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#37 | 20.69 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 20.91 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 21.94 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38 | 21.91 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74 | 21.94 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#0 | 20.93 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#18 | 20.99 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#37 | 20.94 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 21.04 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 23.13 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#49 | 23.18 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#99 | 23.16 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#0 | 22.19 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#25 | 22.26 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#50 | 22.20 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 22.25 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 23.18 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#49 | 23.00 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#99 | 22.97 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#0 | 22.01 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#25 | 21.96 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#50 | 21.85 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 21.94 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 22.92 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#49 | 23.11 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#99 | 22.87 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#0 | 22.06 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#25 | 21.92 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#50 | 22.00 | PASS |

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|---|---|---|---|---|---|---|
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 21.97 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 22.05 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#49 | 22.03 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99 | 22.01 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#0 | 21.24 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#25 | 21.32 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#50 | 21.06 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 21.24 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 21.94 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#49 | 21.80 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#99 | 21.79 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#0 | 20.94 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#25 | 20.91 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#50 | 20.85 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 20.94 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 21.94 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#49 | 22.67 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99 | 21.68 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#0 | 21.10 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#25 | 21.03 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#50 | 20.99 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 20.95 | PASS |

## Radiated Output power:

**ERP & EIRP**

**ERP for Cellular Band (Part 22H)**

**GSM Mode**

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 824.2 | 23.66 | V | 6.8 | 0.53 | 29.93 | 38.45 |
| 824.2 | 23.49 | H | 6.8 | 0.53 | 29.76 | 38.45 |
| 836.6 | 23.35 | V | 6.8 | 0.53 | 29.62 | 38.45 |
| 836.6 | 23.58 | H | 6.8 | 0.53 | 29.85 | 38.45 |
| 848.8 | 22.97 | V | 6.9 | 0.53 | 29.34 | 38.45 |
| 848.8 | 21.75 | H | 6.9 | 0.53 | 28.12 | 38.45 |

**GPRS Mode**

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 824.2 | 23.38 | V | 6.8 | 0.53 | 29.65 | 38.45 |
| 824.2 | 23.61 | H | 6.8 | 0.53 | 29.88 | 38.45 |
| 836.6 | 22.58 | V | 6.8 | 0.53 | 28.85 | 38.45 |
| 836.6 | 22.48 | H | 6.8 | 0.53 | 28.75 | 38.45 |
| 848.8 | 22.40 | V | 6.9 | 0.53 | 28.77 | 38.45 |
| 848.8 | 22.56 | H | 6.9 | 0.53 | 28.93 | 38.45 |

## ERP for UMTS-FDD Band Ⅴ (Part 22H)

### WCDMA Mode

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 826.4 | 13.61 | V | 6.8 | 0.53 | 19.88 | 38.45 |
| 826.4 | 15.21 | H | 6.8 | 0.53 | 21.48 | 38.45 |
| 836.4 | 14.63 | V | 6.8 | 0.53 | 20.90 | 38.45 |
| 836.4 | 13.30 | H | 6.8 | 0.53 | 19.57 | 38.45 |
| 846.6 | 13.41 | V | 6.9 | 0.53 | 19.78 | 38.45 |
| 846.6 | 14.61 | H | 6.9 | 0.53 | 20.98 | 38.45 |

### HSDPA Mode

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 826.4 | 14.63 | V | 6.8 | 0.53 | 20.90 | 38.45 |
| 826.4 | 13.47 | H | 6.8 | 0.53 | 19.74 | 38.45 |
| 836.4 | 14.57 | V | 6.8 | 0.53 | 20.84 | 38.45 |
| 836.4 | 14.26 | H | 6.8 | 0.53 | 20.53 | 38.45 |
| 846.6 | 14.00 | V | 6.9 | 0.53 | 20.37 | 38.45 |
| 846.6 | 14.15 | H | 6.9 | 0.53 | 20.52 | 38.45 |

### HSUPA Mode

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 826.4 | 14.20 | V | 6.8 | 0.53 | 20.47 | 38.45 |
| 826.4 | 14.57 | H | 6.8 | 0.53 | 20.84 | 38.45 |
| 836.4 | 14.58 | V | 6.8 | 0.53 | 20.85 | 38.45 |
| 836.4 | 13.33 | H | 6.8 | 0.53 | 19.60 | 38.45 |
| 846.6 | 14.56 | V | 6.9 | 0.53 | 20.93 | 38.45 |
| 846.6 | 14.62 | H | 6.9 | 0.53 | 20.99 | 38.45 |

## EIRP for PCS Band (Part 24E)

### GSM Mode

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1850.2 | 21.53 | V | 7.88 | 0.85 | 28.56 | 33 |
| 1850.2 | 21.95 | H | 7.88 | 0.85 | 28.98 | 33 |
| 1880 | 21.11 | V | 7.88 | 0.85 | 28.14 | 33 |
| 1880 | 22.05 | H | 7.88 | 0.85 | 29.08 | 33 |
| 1909.8 | 20.55 | V | 7.86 | 0.85 | 27.56 | 33 |
| 1909.8 | 21.55 | H | 7.86 | 0.85 | 28.56 | 33 |

### GPRS Mode

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1850.2 | 20.28 | V | 7.88 | 0.85 | 27.31 | 33 |
| 1850.2 | 20.98 | H | 7.88 | 0.85 | 28.01 | 33 |
| 1880 | 20.11 | V | 7.88 | 0.85 | 27.14 | 33 |
| 1880 | 20.50 | H | 7.88 | 0.85 | 27.53 | 33 |
| 1909.8 | 20.42 | V | 7.86 | 0.85 | 27.43 | 33 |
| 1909.8 | 19.96 | H | 7.86 | 0.85 | 26.97 | 33 |

## EIRP for UMTS-FDD Band Ⅱ (Part 24E)

### WCDMA Mode

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1852.4 | 14.03 | V | 7.88 | 0.85 | 21.06 | 33 |
| 1852.4 | 12.84 | H | 7.88 | 0.85 | 19.87 | 33 |
| 1880 | 14.57 | V | 7.88 | 0.85 | 21.60 | 33 |
| 1880 | 14.03 | H | 7.88 | 0.85 | 21.06 | 33 |
| 1907.6 | 14.40 | V | 7.86 | 0.85 | 21.41 | 33 |
| 1907.6 | 14.86 | H | 7.86 | 0.85 | 21.87 | 33 |

### HSDPA Mode

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1852.4 | 12.66 | V | 7.88 | 0.85 | 19.69 | 33 |
| 1852.4 | 12.71 | H | 7.88 | 0.85 | 19.74 | 33 |
| 1880 | 12.20 | V | 7.88 | 0.85 | 19.23 | 33 |
| 1880 | 12.57 | H | 7.88 | 0.85 | 19.60 | 33 |
| 1907.6 | 13.22 | V | 7.86 | 0.85 | 20.23 | 33 |
| 1907.6 | 12.54 | H | 7.86 | 0.85 | 19.55 | 33 |

### HSUPA Mode

| Frequency (MHz) | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1852.4 | 12.84 | V | 7.88 | 0.85 | 19.87 | 33 |
| 1852.4 | 12.02 | H | 7.88 | 0.85 | 19.05 | 33 |
| 1880 | 12.66 | V | 7.88 | 0.85 | 19.69 | 33 |
| 1880 | 11.95 | H | 7.88 | 0.85 | 18.98 | 33 |
| 1907.6 | 11.88 | V | 7.86 | 0.85 | 18.89 | 33 |
| 1907.6 | 13.09 | H | 7.86 | 0.85 | 20.10 | 33 |

## EIRP for LTE Band 2 (Part 24E)

| Frequency (MHz) | BW (MHz) | Modulation | RB Size/Offset | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|---|---|---|
| 1850.7 | 1.4 | QPSK | 1/0 | 9.88 | V | 7.88 | 0.85 | 16.91 | 33 |
| 1880 | 1.4 | QPSK | 1/0 | 10.17 | V | 7.88 | 0.85 | 17.20 | 33 |
| 1909.3 | 1.4 | QPSK | 1/0 | 9.64 | V | 7.88 | 0.85 | 16.67 | 33 |
| 1850.7 | 1.4 | QPSK | 1/0 | 10.02 | H | 7.88 | 0.85 | 17.05 | 33 |
| 1880 | 1.4 | QPSK | 1/0 | 10.02 | H | 7.88 | 0.85 | 17.05 | 33 |
| 1909.3 | 1.4 | QPSK | 1/0 | 9.90 | H | 7.88 | 0.85 | 16.93 | 33 |
| 1850.7 | 1.4 | 16-QAM | 1/0 | 9.69 | V | 7.88 | 0.85 | 16.72 | 33 |
| 1880 | 1.4 | 16-QAM | 1/0 | 9.56 | V | 7.88 | 0.85 | 16.59 | 33 |
| 1909.3 | 1.4 | 16-QAM | 1/0 | 9.79 | V | 7.88 | 0.85 | 16.82 | 33 |
| 1850.7 | 1.4 | 16-QAM | 1/0 | 10.06 | H | 7.88 | 0.85 | 17.09 | 33 |
| 1880 | 1.4 | 16-QAM | 1/0 | 9.62 | H | 7.88 | 0.85 | 16.65 | 33 |
| 1909.3 | 1.4 | 16-QAM | 1/0 | 9.36 | H | 7.88 | 0.85 | 16.39 | 33 |
| 1851.5 | 3 | QPSK | 1/0 | 9.49 | V | 7.88 | 0.85 | 16.52 | 33 |
| 1880 | 3 | QPSK | 1/0 | 9.92 | V | 7.88 | 0.85 | 16.95 | 33 |
| 1908.5 | 3 | QPSK | 1/0 | 9.20 | V | 7.88 | 0.85 | 16.23 | 33 |
| 1851.5 | 3 | QPSK | 1/0 | 10.35 | H | 7.88 | 0.85 | 17.38 | 33 |
| 1880 | 3 | QPSK | 1/0 | 10.53 | H | 7.88 | 0.85 | 17.56 | 33 |
| 1908.5 | 3 | QPSK | 1/0 | 9.21 | H | 7.88 | 0.85 | 16.24 | 33 |
| 1851.5 | 3 | 16-QAM | 1/0 | 10.73 | V | 7.88 | 0.85 | 17.76 | 33 |
| 1880 | 3 | 16-QAM | 1/0 | 10.27 | V | 7.88 | 0.85 | 17.30 | 33 |
| 1908.5 | 3 | 16-QAM | 1/0 | 9.35 | V | 7.88 | 0.85 | 16.38 | 33 |
| 1851.5 | 3 | 16-QAM | 1/0 | 10.10 | H | 7.88 | 0.85 | 17.13 | 33 |
| 1880 | 3 | 16-QAM | 1/0 | 9.28 | H | 7.88 | 0.85 | 16.31 | 33 |
| 1908.5 | 3 | 16-QAM | 1/0 | 10.42 | H | 7.88 | 0.85 | 17.45 | 33 |
| 1852.5 | 5 | QPSK | 1/24 | 10.39 | V | 7.88 | 0.85 | 17.42 | 33 |
| 1880 | 5 | QPSK | 1/0 | 9.72 | V | 7.88 | 0.85 | 16.75 | 33 |
| 1907.5 | 5 | QPSK | 1/24 | 9.66 | V | 7.88 | 0.85 | 16.69 | 33 |
| 1852.5 | 5 | QPSK | 1/24 | 10.20 | H | 7.88 | 0.85 | 17.64 | 33 |
| 1880 | 5 | QPSK | 1/0 | 10.30 | H | 7.88 | 0.85 | 17.33 | 33 |
| 1907.5 | 5 | QPSK | 1/24 | 10.58 | H | 7.88 | 0.85 | 17.61 | 33 |
| 1852.5 | 5 | 16-QAM | 1/24 | 9.44 | V | 7.88 | 0.85 | 16.47 | 33 |
| 1880 | 5 | 16-QAM | 1/0 | 9.84 | V | 7.88 | 0.85 | 16.87 | 33 |
| 1907.5 | 5 | 16-QAM | 1/24 | 10.34 | V | 7.88 | 0.85 | 17.37 | 33 |
| 1852.5 | 5 | 16-QAM | 1/24 | 10.02 | H | 7.88 | 0.85 | 17.05 | 33 |
| 1880 | 5 | 16-QAM | 1/0 | 10.06 | H | 7.88 | 0.85 | 17.09 | 33 |
| 1907.5 | 5 | 16-QAM | 1/24 | 10.05 | H | 7.88 | 0.85 | 17.08 | 33 |
| 1855 | 10 | QPSK | 1/0 | 9.77 | V | 7.88 | 0.85 | 16.80 | 33 |
| 1880 | 10 | QPSK | 1/0 | 9.76 | V | 7.88 | 0.85 | 16.79 | 33 |
| 1905 | 10 | QPSK | 1/49 | 9.61 | V | 7.88 | 0.85 | 16.64 | 33 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1855 | 10 | QPSK | 1/0 | 9.58 | H | 7.88 | 0.85 | 16.61 | 33 |
| 1880 | 10 | QPSK | 1/0 | 10.03 | H | 7.88 | 0.85 | 17.06 | 33 |
| 1905 | 10 | QPSK | 1/49 | 9.79 | H | 7.88 | 0.85 | 16.82 | 33 |
| 1855 | 10 | 16-QAM | 1/0 | 9.89 | V | 7.88 | 0.85 | 16.92 | 33 |
| 1880 | 10 | 16-QAM | 1/0 | 9.95 | V | 7.88 | 0.85 | 16.98 | 33 |
| 1905 | 10 | 16-QAM | 1/49 | 9.86 | V | 7.88 | 0.85 | 16.89 | 33 |
| 1855 | 10 | 16-QAM | 1/0 | 10.47 | H | 7.88 | 0.85 | 17.50 | 33 |
| 1880 | 10 | 16-QAM | 1/0 | 9.86 | H | 7.88 | 0.85 | 16.89 | 33 |
| 1905 | 10 | 16-QAM | 1/49 | 9.83 | H | 7.88 | 0.85 | 16.86 | 33 |
| 1857.5 | 15 | QPSK | 1/0 | 10.04 | V | 7.88 | 0.85 | 17.07 | 33 |
| 1880 | 15 | QPSK | 1/0 | 9.47 | V | 7.88 | 0.85 | 16.50 | 33 |
| 1902.5 | 15 | QPSK | 1/0 | 9.24 | V | 7.88 | 0.85 | 16.27 | 33 |
| 1857.5 | 15 | QPSK | 1/0 | 9.97 | H | 7.88 | 0.85 | 17.00 | 33 |
| 1880 | 15 | QPSK | 1/0 | 9.91 | H | 7.88 | 0.85 | 16.94 | 33 |
| 1902.5 | 15 | QPSK | 1/0 | 9.12 | H | 7.88 | 0.85 | 16.15 | 33 |
| 1857.5 | 15 | 16-QAM | 1/0 | 9.69 | V | 7.88 | 0.85 | 16.72 | 33 |
| 1880 | 15 | 16-QAM | 1/0 | 10.14 | V | 7.88 | 0.85 | 17.17 | 33 |
| 1902.5 | 15 | 16-QAM | 1/0 | 9.80 | V | 7.88 | 0.85 | 16.83 | 33 |
| 1857.5 | 15 | 16-QAM | 1/0 | 10.25 | H | 7.88 | 0.85 | 17.28 | 33 |
| 1880 | 15 | 16-QAM | 1/0 | 9.66 | H | 7.88 | 0.85 | 16.69 | 33 |
| 1902.5 | 15 | 16-QAM | 1/0 | 10.41 | H | 7.88 | 0.85 | 17.44 | 33 |
| 1860 | 20 | QPSK | 1/0 | 9.46 | V | 7.88 | 0.85 | 16.49 | 33 |
| 1880 | 20 | QPSK | 1/0 | 10.61 | V | 7.88 | 0.85 | 16.94 | 33 |
| 1900 | 20 | QPSK | 1/0 | 8.90 | V | 7.88 | 0.85 | 15.93 | 33 |
| 1860 | 20 | QPSK | 1/0 | 9.80 | H | 7.88 | 0.85 | 16.83 | 33 |
| 1880 | 20 | QPSK | 1/0 | 9.73 | H | 7.88 | 0.85 | 16.76 | 33 |
| 1900 | 20 | QPSK | 1/0 | 9.89 | H | 7.88 | 0.85 | 16.92 | 33 |
| 1860 | 20 | 16-QAM | 1/0 | 10.10 | V | 7.88 | 0.85 | 17.13 | 33 |
| 1880 | 20 | 16-QAM | 1/0 | 9.83 | V | 7.88 | 0.85 | 16.86 | 33 |
| 1900 | 20 | 16-QAM | 1/0 | 9.98 | V | 7.88 | 0.85 | 17.01 | 33 |
| 1860 | 20 | 16-QAM | 1/0 | 9.69 | H | 7.88 | 0.85 | 16.72 | 33 |
| 1880 | 20 | 16-QAM | 1/0 | 10.02 | H | 7.88 | 0.85 | 17.05 | 33 |
| 1900 | 20 | 16-QAM | 1/0 | 9.54 | H | 7.88 | 0.85 | 16.57 | 33 |

## EIRP for LTE Band 4 (Part 27)

| Frequency (MHz) | BW (MHz) | Modulation | RB Size/Offset | Substituted level (dBm) | Antenna Polarization | Antenna Gain correction (dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|---|---|---|
| 1710.7 | 1.4 | QPSK | 1/0 | 10.22 | V | 7.95 | 0.79 | 17.38 | 30 |
| 1732.5 | 1.4 | QPSK | 1/0 | 10.18 | V | 7.95 | 0.79 | 17.34 | 30 |
| 1754.3 | 1.4 | QPSK | 1/0 | 9.80 | V | 7.95 | 0.79 | 16.96 | 30 |
| 1710.7 | 1.4 | QPSK | 1/0 | 9.78 | H | 7.95 | 0.79 | 16.94 | 30 |
| 1732.5 | 1.4 | QPSK | 1/0 | 10.36 | H | 7.95 | 0.79 | 17.52 | 30 |
| 1754.3 | 1.4 | QPSK | 1/0 | 9.89 | H | 7.95 | 0.79 | 17.05 | 30 |
| 1710.7 | 1.4 | 16-QAM | 1/5 | 9.90 | V | 7.95 | 0.79 | 17.06 | 30 |
| 1732.5 | 1.4 | 16-QAM | 1/0 | 10.62 | V | 7.95 | 0.79 | 17.78 | 30 |
| 1754.3 | 1.4 | 16-QAM | 1/0 | 10.38 | V | 7.95 | 0.79 | 17.54 | 30 |
| 1710.7 | 1.4 | 16-QAM | 1/5 | 9.56 | H | 7.95 | 0.79 | 16.72 | 30 |
| 1732.5 | 1.4 | 16-QAM | 1/0 | 9.63 | H | 7.95 | 0.79 | 16.79 | 30 |
| 1754.3 | 1.4 | 16-QAM | 1/0 | 10.06 | H | 7.95 | 0.79 | 17.22 | 30 |
| 1711.5 | 3 | QPSK | 1/0 | 9.62 | V | 7.95 | 0.79 | 16.78 | 30 |
| 1732.5 | 3 | QPSK | 1/0 | 9.38 | V | 7.95 | 0.79 | 16.54 | 30 |
| 1753.5 | 3 | QPSK | 1/0 | 9.60 | V | 7.95 | 0.79 | 16.76 | 30 |
| 1711.5 | 3 | QPSK | 1/0 | 10.29 | H | 7.95 | 0.79 | 17.45 | 30 |
| 1732.5 | 3 | QPSK | 1/0 | 9.56 | H | 7.95 | 0.79 | 16.72 | 30 |
| 1753.5 | 3 | QPSK | 1/0 | 9.65 | H | 7.95 | 0.79 | 16.81 | 30 |
| 1711.5 | 3 | 16-QAM | 1/0 | 9.46 | V | 7.95 | 0.79 | 16.62 | 30 |
| 1732.5 | 3 | 16-QAM | 1/0 | 9.76 | V | 7.95 | 0.79 | 16.92 | 30 |
| 1753.5 | 3 | 16-QAM | 1/0 | 9.85 | V | 7.95 | 0.79 | 17.01 | 30 |
| 1711.5 | 3 | 16-QAM | 1/0 | 9.53 | H | 7.95 | 0.79 | 16.69 | 30 |
| 1732.5 | 3 | 16-QAM | 1/0 | 9.50 | H | 7.95 | 0.79 | 16.66 | 30 |
| 1753.5 | 3 | 16-QAM | 1/0 | 9.95 | H | 7.95 | 0.79 | 17.11 | 30 |
| 1712.5 | 5 | QPSK | 1/0 | 9.90 | V | 7.95 | 0.79 | 17.06 | 30 |
| 1732.5 | 5 | QPSK | 1/0 | 9.22 | V | 7.95 | 0.79 | 16.38 | 30 |
| 1752.5 | 5 | QPSK | 1/24 | 10.25 | V | 7.95 | 0.79 | 17.41 | 30 |
| 1712.5 | 5 | QPSK | 1/0 | 9.71 | H | 7.95 | 0.79 | 16.87 | 30 |
| 1732.5 | 5 | QPSK | 1/0 | 9.43 | H | 7.95 | 0.79 | 16.59 | 30 |
| 1752.5 | 5 | QPSK | 1/24 | 9.10 | H | 7.95 | 0.79 | 16.26 | 30 |
| 1712.5 | 5 | 16-QAM | 1/0 | 9.83 | V | 7.95 | 0.79 | 16.99 | 30 |
| 1732.5 | 5 | 16-QAM | 1/0 | 10.01 | V | 7.95 | 0.79 | 17.17 | 30 |
| 1752.5 | 5 | 16-QAM | 1/24 | 10.24 | V | 7.95 | 0.79 | 17.40 | 30 |
| 1712.5 | 5 | 16-QAM | 1/0 | 9.98 | H | 7.95 | 0.79 | 17.14 | 30 |
| 1732.5 | 5 | 16-QAM | 1/0 | 9.02 | H | 7.95 | 0.79 | 16.18 | 30 |
| 1752.5 | 5 | 16-QAM | 1/24 | 9.89 | H | 7.95 | 0.79 | 17.05 | 30 |
| 1715 | 10 | QPSK | 1/0 | 10.41 | V | 7.95 | 0.79 | 17.57 | 30 |
| 1732.5 | 10 | QPSK | 1/49 | 9.87 | V | 7.95 | 0.79 | 17.03 | 30 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1750 | 10 | QPSK | 1/0 | 9.44 | V | 7.95 | 0.79 | 16.60 | 30 |
| 1715 | 10 | QPSK | 1/0 | 9.44 | H | 7.95 | 0.79 | 16.60 | 30 |
| 1732.5 | 10 | QPSK | 1/49 | 10.45 | H | 7.95 | 0.79 | 17.61 | 30 |
| 1750 | 10 | QPSK | 1/0 | 9.67 | H | 7.95 | 0.79 | 16.83 | 30 |
| 1715 | 10 | 16-QAM | 1/0 | 10.25 | V | 7.95 | 0.79 | 17.41 | 30 |
| 1732.5 | 10 | 16-QAM | 1/49 | 9.99 | V | 7.95 | 0.79 | 17.15 | 30 |
| 1750 | 10 | 16-QAM | 1/0 | 9.84 | V | 7.95 | 0.79 | 17.00 | 30 |
| 1715 | 10 | 16-QAM | 1/0 | 9.89 | H | 7.95 | 0.79 | 17.05 | 30 |
| 1732.5 | 10 | 16-QAM | 1/49 | 9.90 | H | 7.95 | 0.79 | 17.06 | 30 |
| 1750 | 10 | 16-QAM | 1/0 | 10.19 | H | 7.95 | 0.79 | 17.35 | 30 |
| 1717.5 | 15 | QPSK | 1/0 | 10.41 | V | 7.95 | 0.79 | 17.57 | 30 |
| 1732.5 | 15 | QPSK | 1/74 | 9.23 | V | 7.95 | 0.79 | 16.39 | 30 |
| 1747.5 | 15 | QPSK | 1/0 | 9.98 | V | 7.95 | 0.79 | 17.14 | 30 |
| 1717.5 | 15 | QPSK | 1/0 | 10.05 | H | 7.95 | 0.79 | 17.21 | 30 |
| 1732.5 | 15 | QPSK | 1/74 | 10.05 | H | 7.95 | 0.79 | 17.21 | 30 |
| 1747.5 | 15 | QPSK | 1/0 | 9.40 | H | 7.95 | 0.79 | 16.56 | 30 |
| 1717.5 | 15 | 16-QAM | 1/0 | 9.74 | V | 7.95 | 0.79 | 16.90 | 30 |
| 1732.5 | 15 | 16-QAM | 1/74 | 9.90 | V | 7.95 | 0.79 | 17.06 | 30 |
| 1747.5 | 15 | 16-QAM | 1/0 | 10.04 | V | 7.95 | 0.79 | 17.20 | 30 |
| 1717.5 | 15 | 16-QAM | 1/0 | 10.09 | H | 7.95 | 0.79 | 17.25 | 30 |
| 1732.5 | 15 | 16-QAM | 1/74 | 9.60 | H | 7.95 | 0.79 | 16.76 | 30 |
| 1747.5 | 15 | 16-QAM | 1/0 | 9.61 | H | 7.95 | 0.79 | 16.77 | 30 |
| 1720 | 20 | QPSK | 1/99 | 10.27 | V | 7.95 | 0.79 | 17.43 | 30 |
| 1732.5 | 20 | QPSK | 1/99 | 9.22 | V | 7.95 | 0.79 | 16.38 | 30 |
| 1745 | 20 | QPSK | 1/0 | 9.21 | V | 7.95 | 0.79 | 16.37 | 30 |
| 1720 | 20 | QPSK | 1/99 | 10.12 | H | 7.95 | 0.79 | 17.28 | 30 |
| 1732.5 | 20 | QPSK | 1/99 | 9.77 | H | 7.95 | 0.79 | 16.93 | 30 |
| 1745 | 20 | QPSK | 1/0 | 9.54 | H | 7.95 | 0.79 | 16.70 | 30 |
| 1720 | 20 | 16-QAM | 1/99 | 10.29 | V | 7.95 | 0.79 | 17.45 | 30 |
| 1732.5 | 20 | 16-QAM | 1/99 | 10.28 | V | 7.95 | 0.79 | 17.44 | 30 |
| 1745 | 20 | 16-QAM | 1/0 | 9.89 | V | 7.95 | 0.79 | 17.05 | 30 |
| 1720 | 20 | 16-QAM | 1/99 | 9.84 | H | 7.95 | 0.79 | 17.00 | 30 |
| 1732.5 | 20 | 16-QAM | 1/99 | 9.52 | H | 7.95 | 0.79 | 16.68 | 30 |
| 1745 | 20 | 16-QAM | 1/0 | 9.07 | H | 7.95 | 0.79 | 16.23 | 30 |

Note:

Absolute level=Substituted Level-Cable loss+Antenna Gain

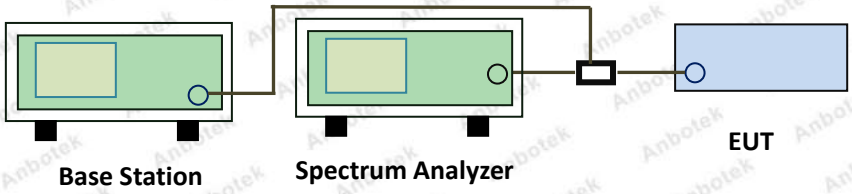
Margin=Limit -Absolute Level

# 4. Peak-Average Ratio

## 4.1. Test Standard and Limit

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.

## 4.2. Test Setup




## 4.3. Test Procedure

**According with KDB 971168**

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW > Emission bandwidth of signal
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

## 4.4. Test Data

GSM Mode：

| Band | Channel | Peak-to-Average Ratio(dB) | Limit(dBm) | Verdict |
|---|---|---|---|---|
| GSM850 | 128 | 0.23 | 13 | PASS |
| GSM850 | 190 | 0.26 | 13 | PASS |
| GSM850 | 251 | 0.24 | 13 | PASS |
| GPRS850 | 128 | 0.24 | 13 | PASS |
| GPRS850 | 190 | 0.24 | 13 | PASS |
| GPRS850 | 251 | 0.28 | 13 | PASS |
| GSM1900 | 512 | 0.16 | 13 | PASS |
| GSM1900 | 661 | 0.18 | 13 | PASS |
| GSM1900 | 810 | 0.18 | 13 | PASS |
| GPRS1900 | 512 | 0.16 | 13 | PASS |
| GPRS1900 | 661 | 0.16 | 13 | PASS |
| GPRS1900 | 810 | 0.22 | 13 | PASS |

WCDMA Mode：

| Band | Channel | Peak-to-Average Ratio(dB) | Limit(dBm) | Verdict |
|---|---|---|---|---|
| Band II | 9262 | 2.78 | 13 | PASS |
| Band II | 9400 | 3.34 | 13 | PASS |
| Band II | 9538 | 3.42 | 13 | PASS |
| Band V | 4132 | 3.11 | 13 | PASS |
| Band V | 4182 | 3.43 | 13 | PASS |
| Band V | 4233 | 3.06 | 13 | PASS |

LTE Mode：

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|---|---|---|
| Band2 | 1.4MHz | QPSK | 18607 | 6RB#0 | 4.26 | 13 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 6RB#0 | 5.27 | 13 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 6RB#0 | 5.51 | 13 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0 | 4.96 | 13 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0 | 6.08 | 13 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0 | 6.39 | 13 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 15RB#0 | 4.27 | 13 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 15RB#0 | 5.27 | 13 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 15RB#0 | 5.66 | 13 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0 | 4.76 | 13 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0 | 6.06 | 13 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0 | 6.61 | 13 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0 | 4.34 | 13 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 25RB#0 | 5.46 | 13 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0 | 5.61 | 13 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 25RB#0 | 5.07 | 13 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 25RB#0 | 6.30 | 13 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 25RB#0 | 6.41 | 13 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 50RB#0 | 4.83 | 13 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 50RB#0 | 5.40 | 13 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 50RB#0 | 5.35 | 13 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0 | 5.45 | 13 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0 | 6.11 | 13 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0 | 6.18 | 13 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 75RB#0 | 5.15 | 13 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 75RB#0 | 5.14 | 13 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 75RB#0 | 5.18 | 13 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0 | 6.12 | 13 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0 | 6.36 | 13 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0 | 6.31 | 13 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 6.06 | 13 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 6.00 | 13 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 6.03 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 6.71 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 6.78 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 6.61 | 13 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 4.17 | 13 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 4.52 | 13 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 4.75 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 5.00 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 5.37 | 13 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 5.57 | 13 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 4.23 | 13 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 4.59 | 13 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 4.80 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 5.09 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 5.43 | 13 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 5.59 | 13 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 4.32 | 13 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 4.59 | 13 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 4.88 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 5.09 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 5.28 | 13 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 5.70 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 4.78 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 4.88 | 13 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 5.03 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 5.55 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 5.65 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 5.79 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 5.20 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 5.17 | 13 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 5.15 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 6.19 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 6.20 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 6.23 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 6.17 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 6.16 | 13 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 6.05 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 6.74 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 6.69 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 6.73 | 13 | PASS |

Test Graphs

| Band2_1.4MHz_QPSK_18607_6RB#0 |
|---|
|  |
| Band2_1.4MHz_QPSK_18900_6RB#0 |
|  |
| Band2_1.4MHz_QPSK_19193_6RB#0 |
|  |
| Band2_1.4MHz_16QAM_18607_6RB#0 |


Band2_1.4MHz_16QAM_18900_6RB#0


Band2_1.4MHz_16QAM_19193_6RB#0


Band2_3MHz_QPSK_18615_15RB#0


Band2_3MHz_QPSK_18900_15RB#0


Band2_3MHz_QPSK_19185_15RB#0


Band2_3MHz_16QAM_18615_15RB#0


Band2_3MHz_16QAM_18900_15RB#0


Band2_3MHz_16QAM_19185_15RB#0


Band2_5MHz_QPSK_18625_25RB#0


Band2_5MHz_QPSK_18900_25RB#0


Band2_5MHz_QPSK_19175_25RB#0


Band2_5MHz_16QAM_18625_25RB#0


Band2_5MHz_16QAM_18900_25RB#0


Band2_5MHz_16QAM_19175_25RB#0


Band2_10MHz_QPSK_18650_50RB#0


Band2_10MHz_QPSK_18900_50RB#0


Band2_10MHz_QPSK_19150_50RB#0

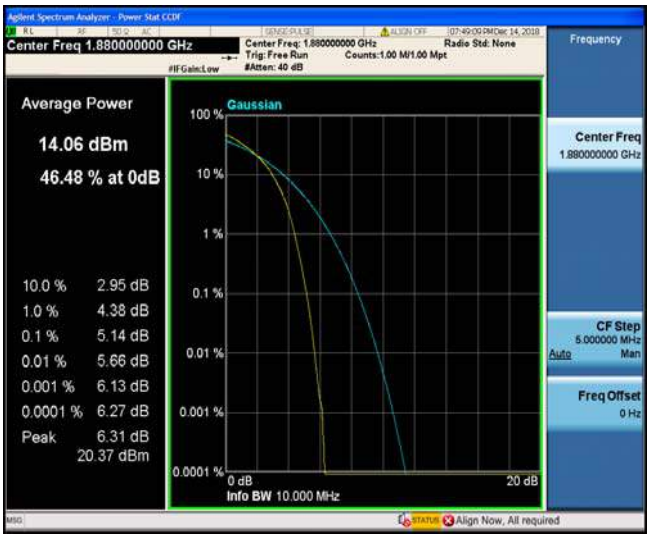

Band2_10MHz_16QAM_18650_50RB#0


Band2_10MHz_16QAM_18900_50RB#0


Band2_10MHz_16QAM_19150_50RB#0


Band2_15MHz_QPSK_18675_75RB#0


Band2_15MHz_QPSK_18900_75RB#0




Band2_15MHz_QPSK_19125_75RB#0

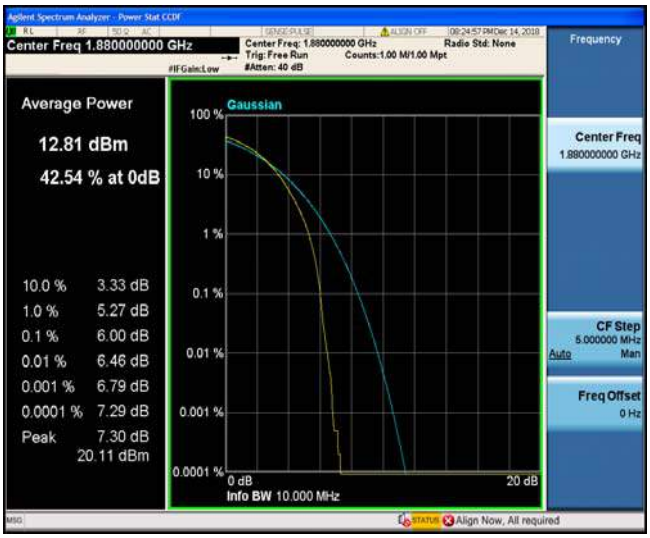

Band2_15MHz_16QAM_18675_75RB#0


Band2_15MHz_16QAM_18900_75RB#0


Band2_15MHz_16QAM_19125_75RB#0


Band2_20MHz_QPSK_18700_100RB#0


Band2_20MHz_QPSK_18900_100RB#0




Band2_20MHz_QPSK_19100_100RB#0


Band2_20MHz_16QAM_18700_100RB#0


Band2_20MHz_16QAM_18900_100RB#0


Band2_20MHz_16QAM_19100_100RB#0


Band4_1.4MHz_QPSK_19957_6RB#0


Band4_1.4MHz_QPSK_20175_6RB#0


Band4_1.4MHz_QPSK_20393_6RB#0


Band4_1.4MHz_16QAM_19957_6RB#0


Band4_1.4MHz_16QAM_20175_6RB#0


Band4_1.4MHz_16QAM_20393_6RB#0


Band4_3MHz_QPSK_19965_15RB#0


Band4_3MHz_QPSK_20175_15RB#0


Band4_3MHz_QPSK_20385_15RB#0


Band4_3MHz_16QAM_19965_15RB#0


Band4_3MHz_16QAM_20175_15RB#0


Band4_3MHz_16QAM_20385_15RB#0


Band4_5MHz_QPSK_19975_25RB#0


Band4_5MHz_QPSK_20175_25RB#0


Band4_5MHz_QPSK_20375_25RB#0


Band4_5MHz_16QAM_19975_25RB#0


Band4_5MHz_16QAM_20175_25RB#0


Band4_5MHz_16QAM_20375_25RB#0

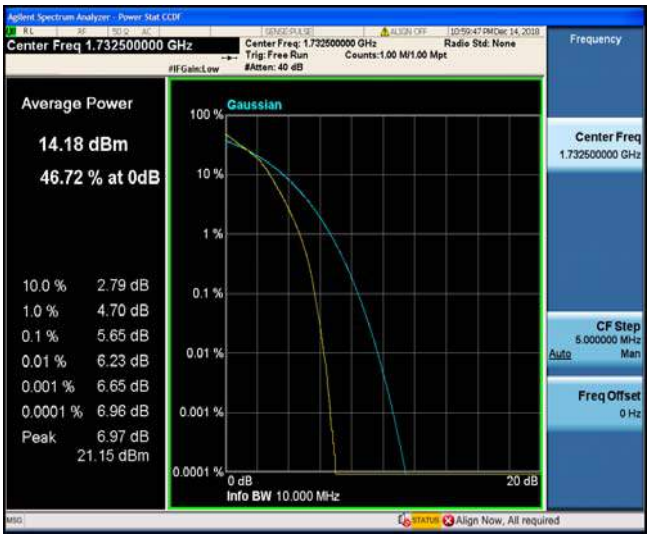

Band4_10MHz_QPSK_20000_50RB#0


Band4_10MHz_QPSK_20175_50RB#0


Band4_10MHz_QPSK_20350_50RB#0


Band4_10MHz_16QAM_20000_50RB#0


Band4_10MHz_16QAM_20175_50RB#0




Band4_10MHz_16QAM_20350_50RB#0


Band4_15MHz_QPSK_20025_75RB#0


Band4_15MHz_QPSK_20175_75RB#0


Band4_15MHz_QPSK_20325_75RB#0


Band4_15MHz_16QAM_20025_75RB#0


Band4_15MHz_16QAM_20175_75RB#0


Band4_15MHz_16QAM_20325_75RB#0


Band4_20MHz_QPSK_20050_100RB#0


Band4_20MHz_QPSK_20175_100RB#0


Band4_20MHz_QPSK_20300_100RB#0


Band4_20MHz_16QAM_20050_100RB#0


Band4_20MHz_16QAM_20175_100RB#0


Band4_20MHz_16QAM_20300_100RB#0

# 5. Modulation Characteristic

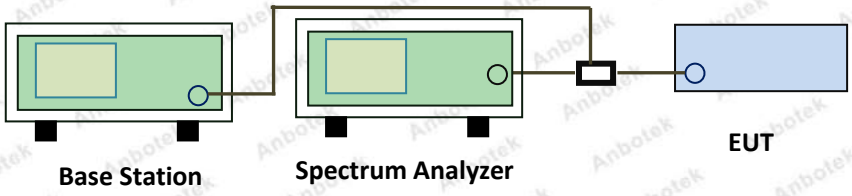
According to FCC § 2.1047(d), Part 22H, Part 24E& Part 27 there is no specific requirement for digital modulation, thereforemodulation characteristic is not presented.

# 6. Occupied Bandwidth

## 6.1. Test Standard and Limit

| Spec | Item | Requirement |
|---|---|---|
| §2.1049, §22.917, §22.905 §24.238 §27.53(a) | a) | 99% Occupied Bandwidth(kHz) |
| | b) | 26 dB Bandwidth(kHz) |

## 6.2. Test Setup




## 6.3. Test Procedure

1. The EUT's output RF connector was connected with a short cable to the spectrum analyzer
2. RBWwas set to about 1% of emission BW, VBW= 3 times RBW.
3. -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth isthe delta frequency between the two points where the display line intersects the signal trace.

## 6.4. Test Data

**Cellular Band (Part 22H) result/PCS Band (Part 24E) result:**

GSM Mode:

| Band | Channel | Occupied Bandwidth (kHz) | 26dB Bandwidth (kHz) | Verdict |
|---|---|---|---|---|
| GSM850 | 128 | 246.6 | 308 | PASS |
| GSM850 | 190 | 243.0 | 317 | PASS |
| GSM850 | 251 | 244.2 | 310 | PASS |
| GPRS850 | 128 | 244.4 | 312 | PASS |
| GPRS850 | 190 | 249.2 | 312 | PASS |
| GPRS850 | 251 | 245.6 | 313 | PASS |
| GSM1900 | 512 | 246.8 | 318 | PASS |
| GSM1900 | 661 | 247.7 | 311 | PASS |
| GSM1900 | 810 | 243.5 | 308 | PASS |
| GPRS1900 | 512 | 248.1 | 314 | PASS |
| GPRS1900 | 661 | 244.4 | 317 | PASS |
| GPRS1900 | 810 | 243.4 | 310 | PASS |

WCDMA Mode:

| Band | Channel | Occupied Bandwidth (kHz) | 26dB Bandwidth (kHz) | Verdict |
|---|---|---|---|---|
| Band II | 9262 | 4134.1 | 4734 | PASS |
| Band II | 9400 | 4121.0 | 4707 | PASS |
| Band II | 9538 | 4114.8 | 4689 | PASS |
| Band V | 4132 | 4116.1 | 4695 | PASS |
| Band V | 4182 | 4122.8 | 4678 | PASS |
| Band V | 4233 | 4109.5 | 4697 | PASS |

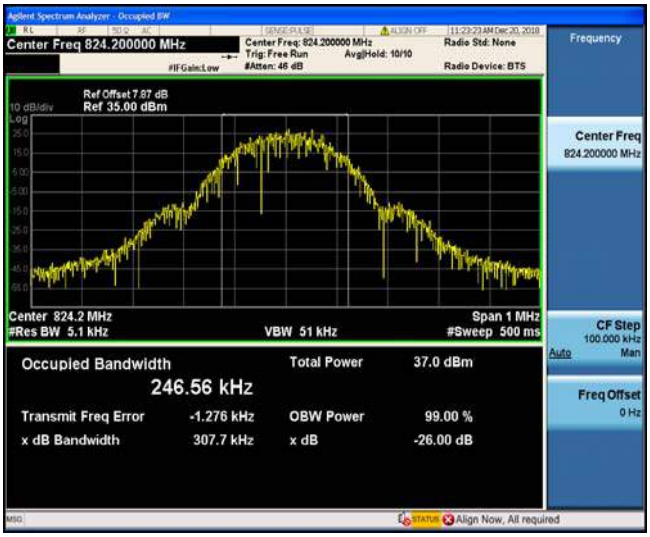
LTE Mode:

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| Band2 | 1.4MHz | QPSK | 18607 | 6RB#0 | 1.0943 | 1.331 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 6RB#0 | 1.0871 | 1.268 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 6RB#0 | 1.0905 | 1.257 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0 | 1.0963 | 1.313 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0 | 1.0914 | 1.257 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0 | 1.0923 | 1.281 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 15RB#0 | 2.6960 | 2.964 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 15RB#0 | 2.6948 | 2.940 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 15RB#0 | 2.6927 | 2.928 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0 | 2.6971 | 2.946 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0 | 2.6970 | 2.931 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0 | 2.6916 | 2.930 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0 | 4.4999 | 4.927 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 25RB#0 | 4.4980 | 4.869 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0 | 4.4974 | 4.897 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 25RB#0 | 4.5027 | 4.847 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 25RB#0 | 4.4881 | 4.846 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 25RB#0 | 4.5049 | 4.897 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 50RB#0 | 8.9176 | 9.532 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 50RB#0 | 8.9168 | 9.421 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 50RB#0 | 8.9339 | 9.459 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0 | 8.9301 | 9.458 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0 | 8.9248 | 9.431 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0 | 8.9275 | 9.397 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 75RB#0 | 13.403 | 14.12 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 75RB#0 | 13.376 | 14.04 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 75RB#0 | 13.385 | 14.06 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0 | 13.397 | 14.07 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0 | 13.371 | 14.07 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0 | 13.383 | 14.04 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 17.828 | 18.63 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 17.820 | 18.53 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 17.828 | 18.65 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 17.823 | 18.62 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 17.805 | 18.64 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 17.842 | 18.58 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 1.0894 | 1.305 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 1.0900 | 1.271 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 1.0875 | 1.264 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 1.0943 | 1.279 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 1.0931 | 1.275 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 1.0915 | 1.271 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 2.6992 | 2.919 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 2.6954 | 2.929 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 2.6935 | 2.928 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 2.6944 | 2.926 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 2.6964 | 2.921 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 2.6901 | 2.920 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 4.4996 | 4.896 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 4.4911 | 4.870 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 4.4987 | 4.868 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 4.5014 | 4.889 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 4.4928 | 4.828 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 4.4909 | 4.893 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 8.9380 | 9.515 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 8.9220 | 9.515 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 8.9110 | 9.422 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 8.9294 | 9.416 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 8.9323 | 9.423 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 8.9316 | 9.448 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 13.401 | 14.16 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 13.387 | 14.08 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 13.386 | 14.03 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 13.378 | 14.06 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 13.378 | 14.02 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 13.373 | 14.04 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 17.813 | 18.65 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 17.801 | 18.58 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 17.812 | 18.58 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 17.825 | 18.57 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 17.808 | 18.54 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 17.812 | 18.60 | PASS |

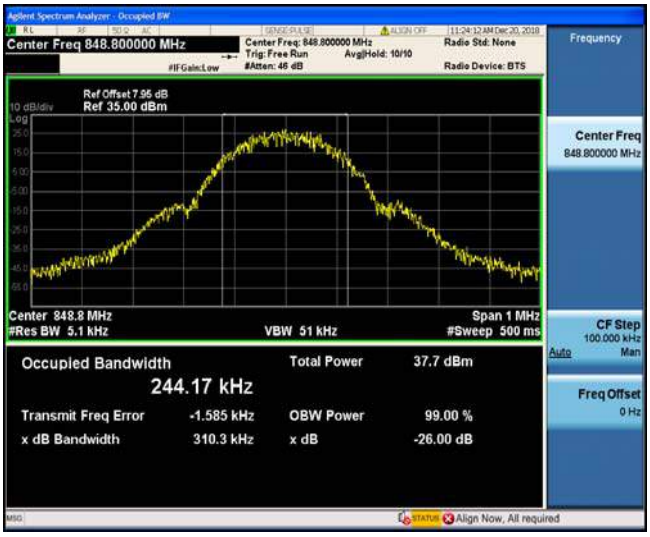
Test Graphs

GSM850_128



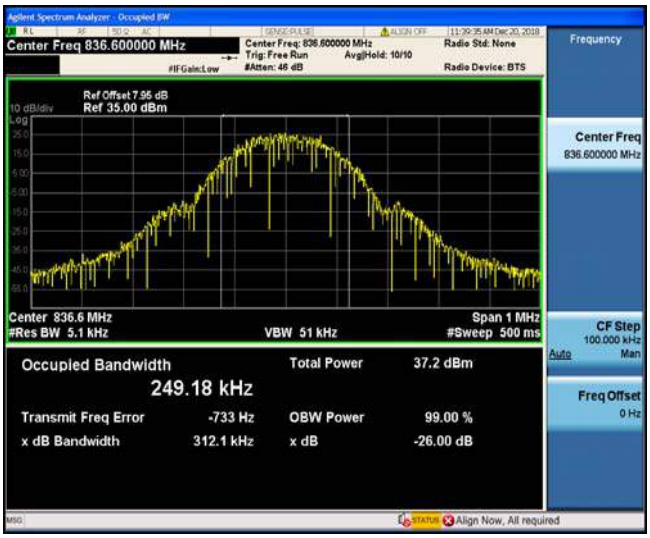

GSM850_190


GSM850_251

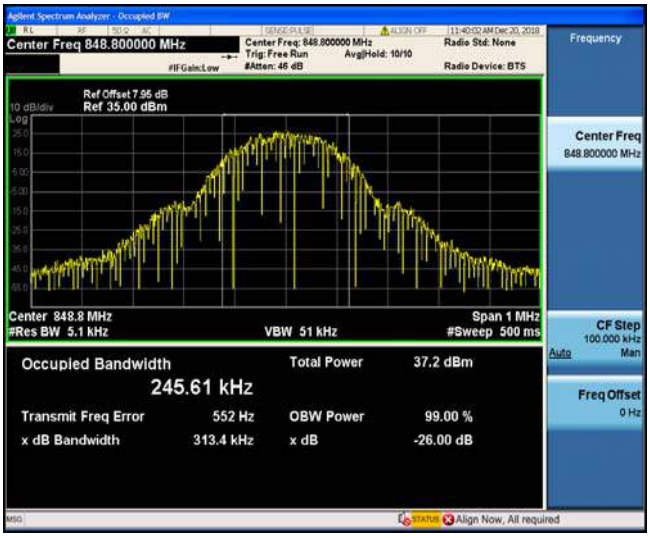



GPRS850_128

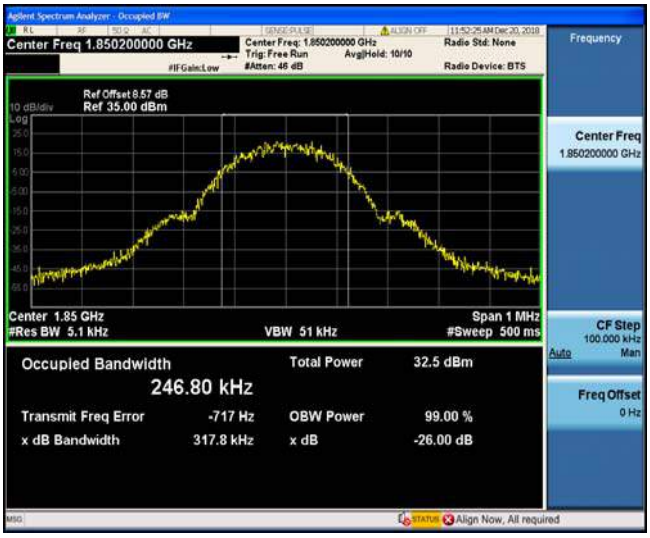

GPRS850_190



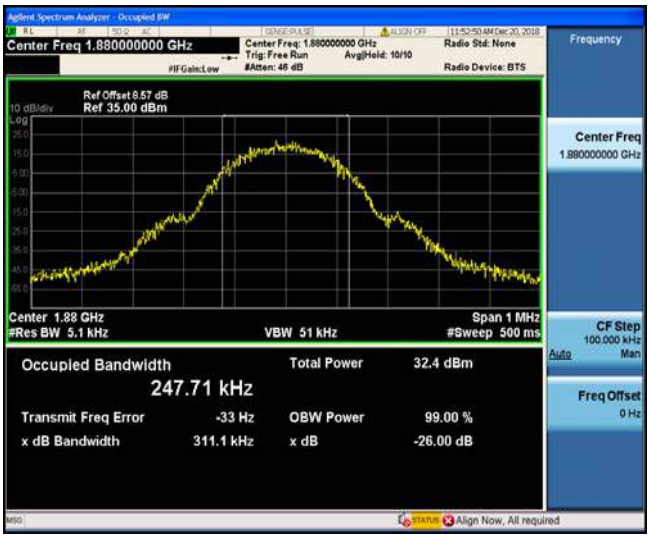

GPRS850_251



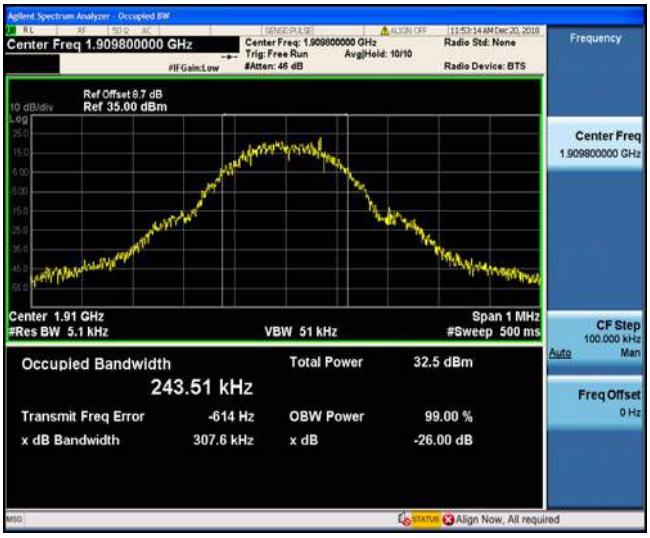

GSM1900_512



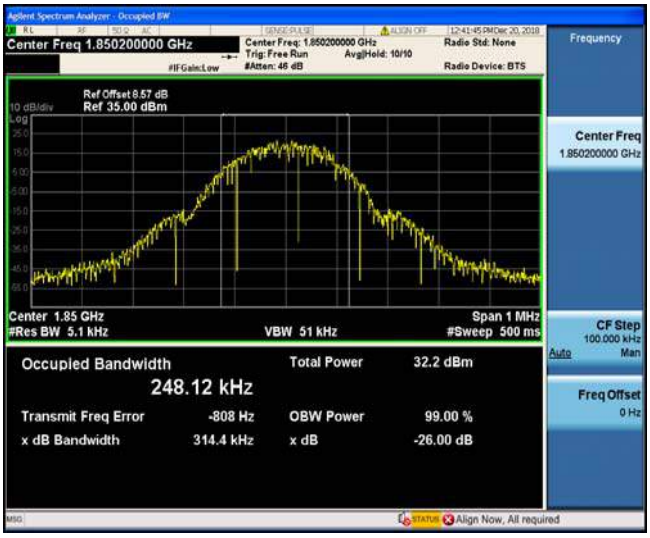

GSM1900_661



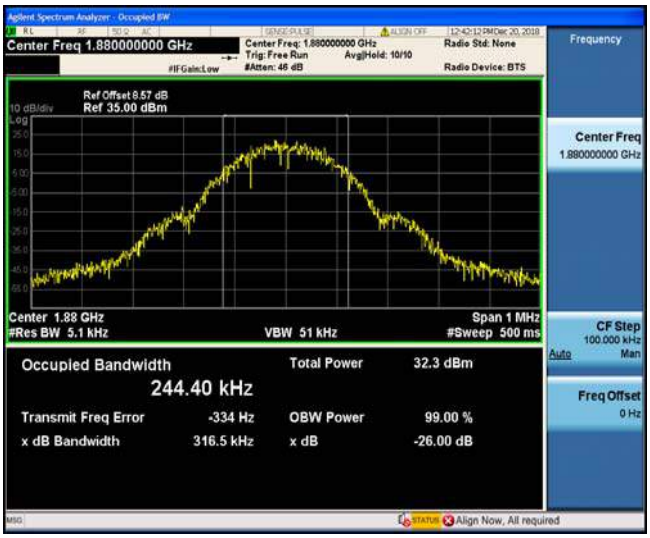

GSM1900_810



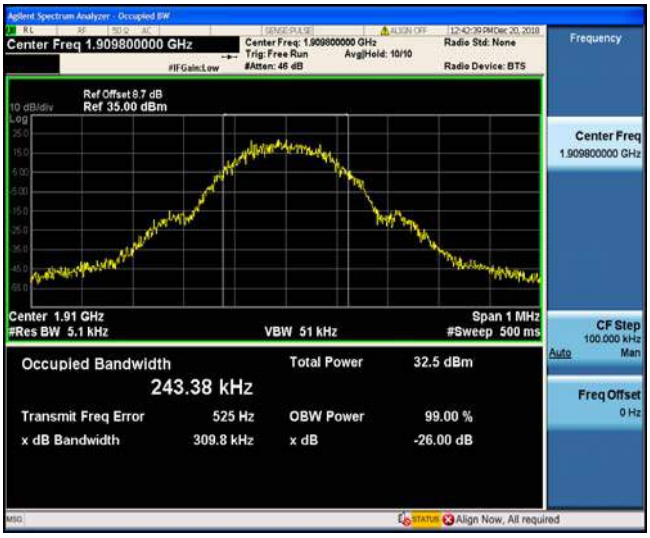

GPRS1900_512

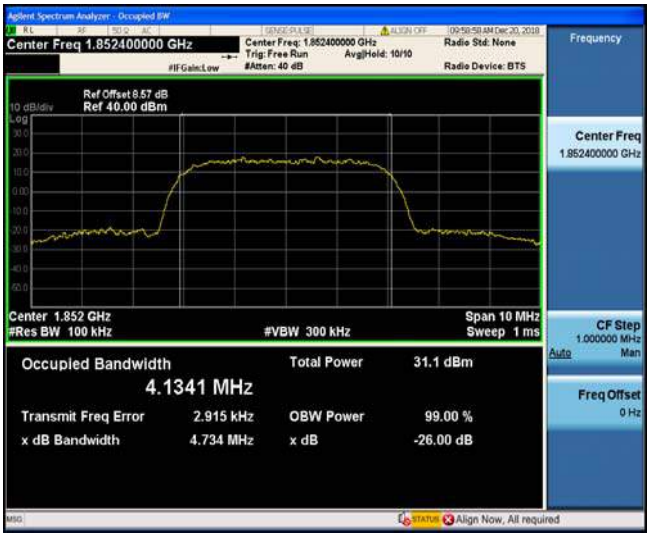



GPRS1900_661




GPRS1900_810






Band II_9262


Band II_9400


Band II_9538


Band V_4132


Band V_4182


Band V_4233

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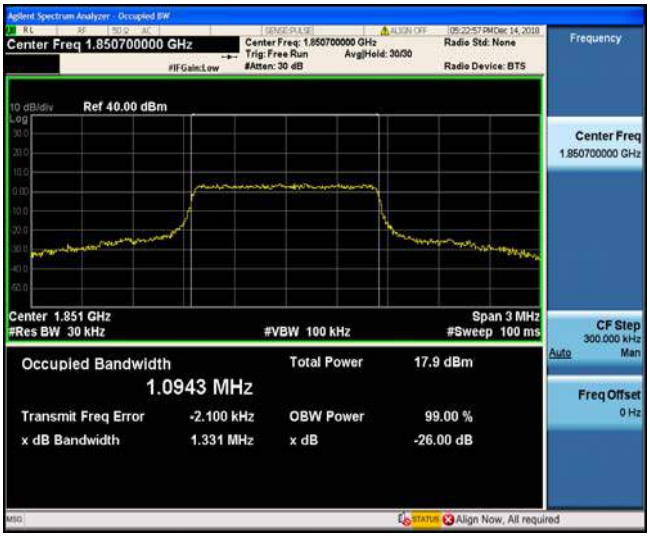
|---|
|  |



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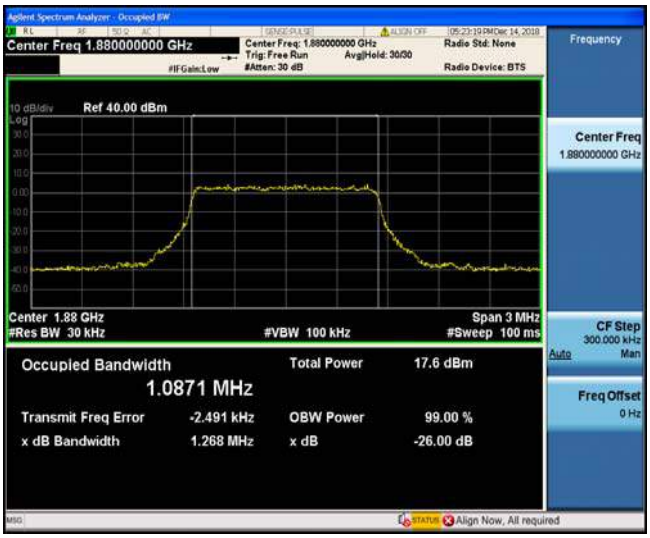
|  |



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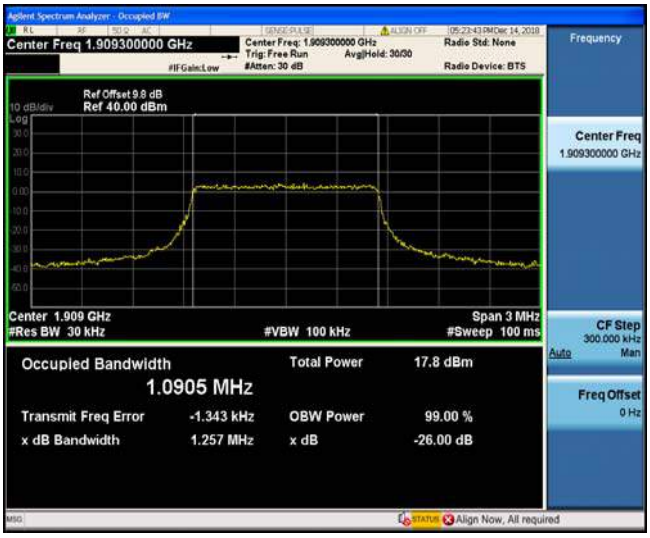
|  |



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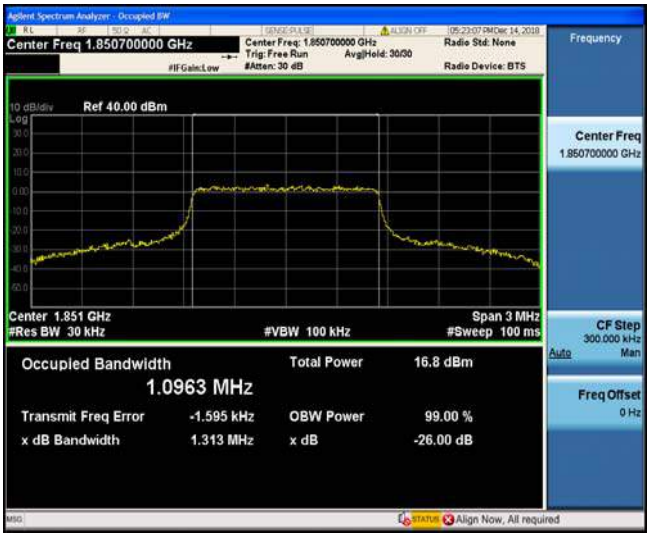
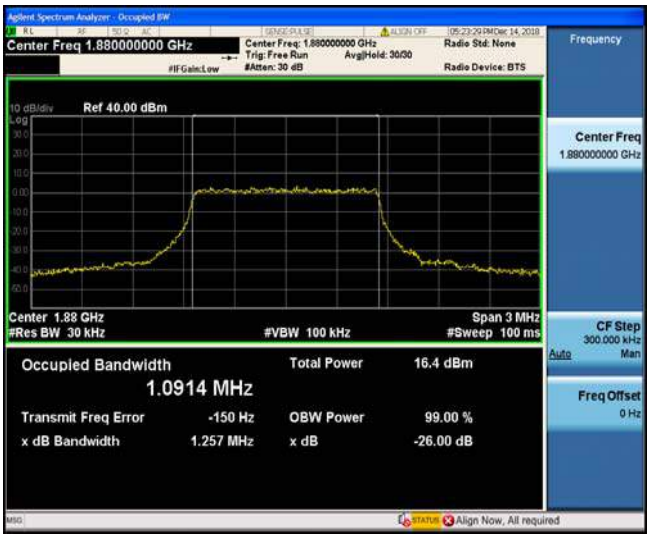
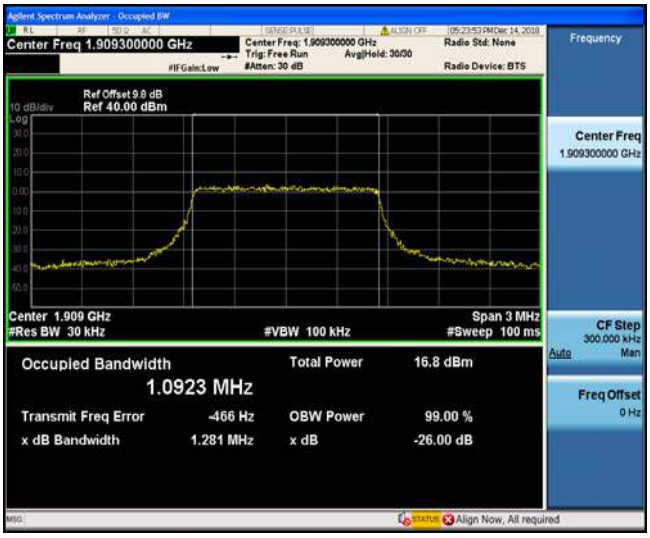


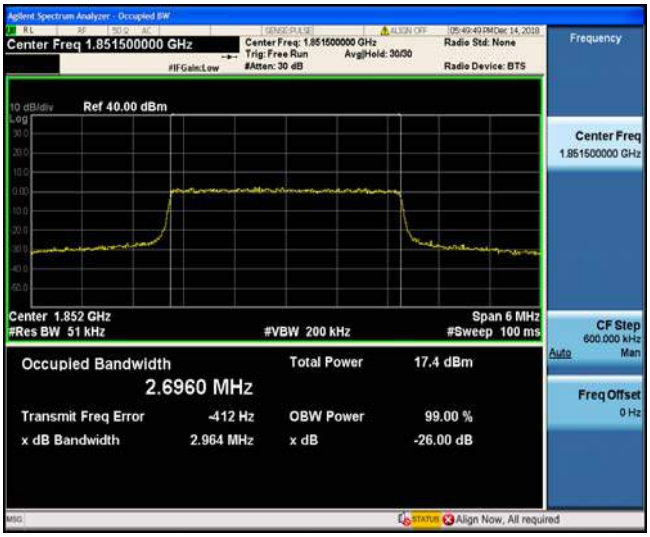

Band2_1.4MHz_16QAM_18900_6RB#0




Band2_1.4MHz_16QAM_19193_6RB#0




Band2_3MHz_QPSK_18615_15RB#0

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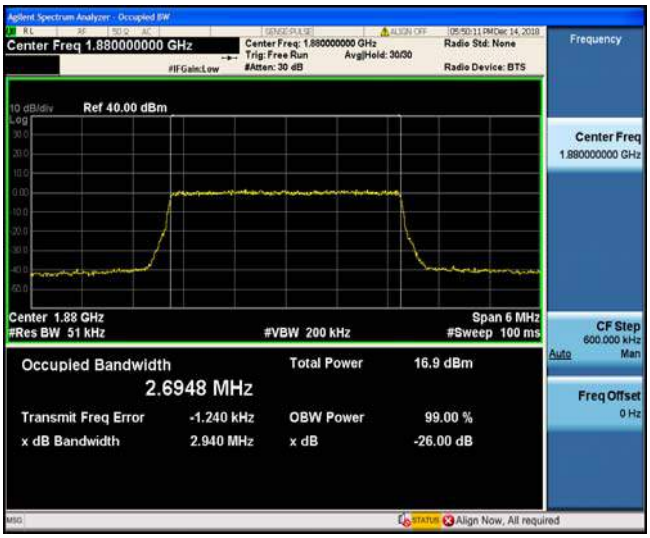


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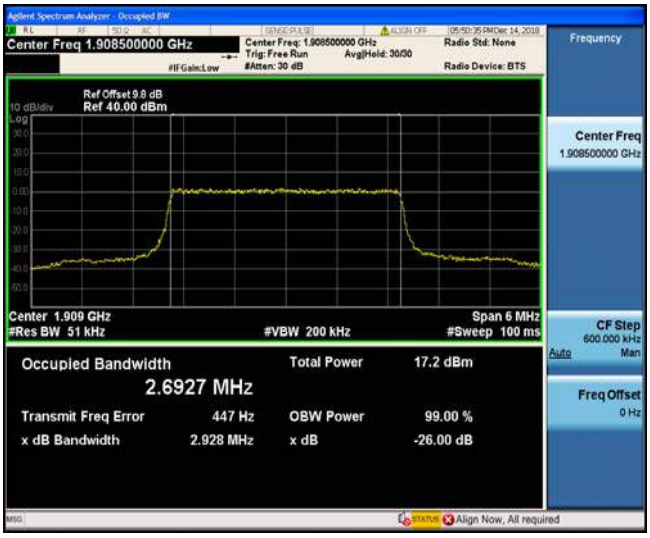


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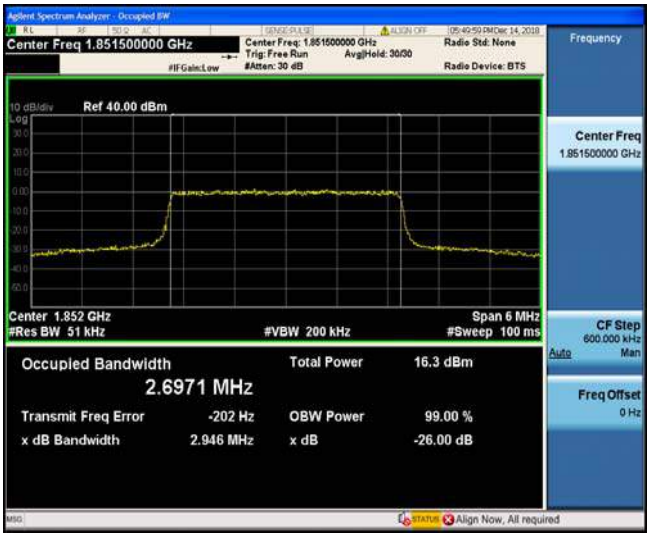


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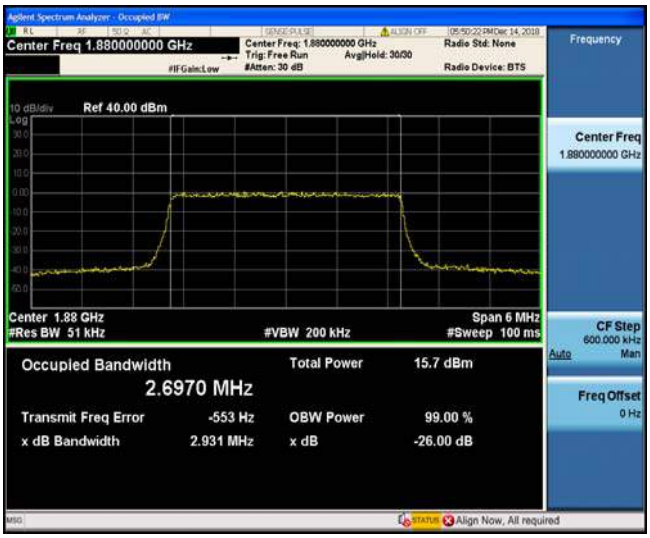


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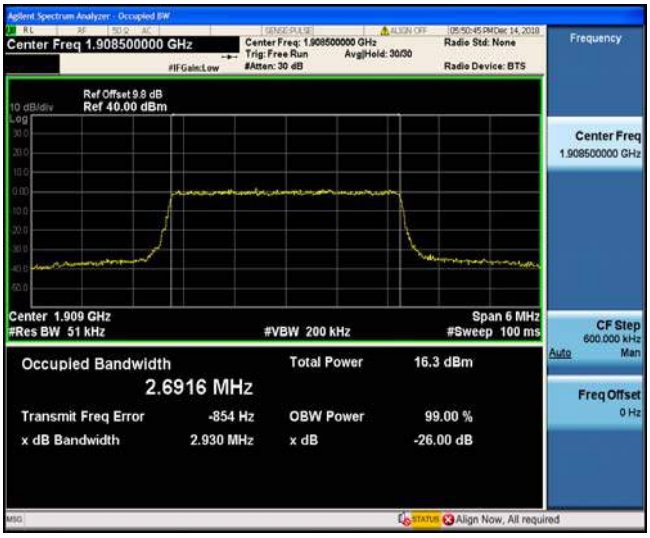


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