



FCC RADIO TEST REPORT

FCC ID : 2AJN7-TP00159AL
Equipment : Notebook Computer
Brand Name : Lenovo
Model Name : TP00159A, TP00159B
Applicant : LC Future Center Limited Taiwan Branch
7F., No.780, Beian Rd., Zhongshan Dist., Taipei 104, Taiwan
Manufacturer : LCFC (HeFei) Electronics Technology Co., Ltd.
No. 3188-1, Yungu Road (Hefei Export Processing Zone), Hefei
Economics & Technology Development Area, Anhui, CHINA
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)

Equipment: Quectel EM061K-GL tested inside of Lenovo Notebook Computer.

The product was received on Nov. 13, 2023 and testing was performed from Nov. 13, 2023 to Nov. 30, 2023. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory



Table of Contents

History of this test report..... 3

Summary of Test Result..... 4

1 General Description 7

 1.1 Product Feature of Equipment Under Test..... 7

 1.2 Product Specification of Equipment Under Test..... 9

 1.3 Modification of EUT 10

 1.4 Testing Location 10

 1.5 Applicable Standards..... 11

2 Test Configuration of Equipment Under Test 12

 2.1 Test Mode..... 12

 2.2 Connection Diagram of Test System..... 13

 2.3 Support Unit used in test configuration and system 13

 2.4 Frequency List of Low/Middle/High Channels 14

3 Conducted Test Items..... 21

 3.1 Measuring Instruments 21

 3.2 Conducted Output Power and ERP/EIRP 22

4 Radiated Test Items 23

 4.1 Measuring Instruments 23

 4.2 Radiated Spurious Emission Measurement 25

5 List of Measuring Equipment..... 27

6 Measurement Uncertainty 28

Appendix A. Test Results of Conducted Test

Appendix B. Test Results of Radiated Test

Appendix C. Test Setup Photographs



History of this test report

| Report No. | Version | Description | Issue Date |
|--------------|---------|--|---------------|
| FG3N1049-01A | 01 | Initial issue of report | Dec. 26, 2023 |
| FG3N1049-01A | 02 | Revise Equipment, Antenna Information and Frequency List This report is an updated version, replacing the report issued on Dec. 26, 2023. | Feb. 07, 2024 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|---|--|--------------------|----------|
| 3.2 | §2.1046 | Conducted Output Power | Reporting only | - |
| | §22.913 (a)(5) §90.635 | Effective Radiated Power (Band 5) (Band 26) | Pass | |
| | §27.50 (b)(10) §27.50 (c)(10) | Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71) | | |
| | §24.232 (c) §27.50 (h)(2) | Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41) | | |
| | §27.50 (d)(4) | Equivalent Isotropic Radiated Power (Band 4) (Band 66) | | |
| | §27.50 (a)(3) | Effective Isotropic Radiated Power (Band 30) | | |
| | §90.542 (a)(7) | Effective Radiated Power (Band 14) | | |
| - | §24.232 (d) §27.50 (d)(5) | Peak-to-Average Ratio | - | See Note |
| - | §2.1049 | Occupied Bandwidth | - | See Note |
| - | §2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h) | Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71) | - | See Note |
| | §2.1051 §27.53 (m)(4) | Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41) | | |
| | §2.1051 §27.53 (a)(4) | Conducted Band Edge Measurement (Band 30) | | |
| | §2.1051 §90.543 (e)(2) | Conducted Band Edge Measurement (Band 14) | | |
| - | §2.1051 §90.210 (n) | Emission Mask (Band 14) | - | See Note |
| | §2.1051 §90.691 | Emission masks (Band 26) | | |



| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|---|--|--------------------|----------|
| - | §2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §90.691 | Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71) | - | See Note |
| | §2.1051 §27.53 (m)(4) | Conducted Spurious Emission (Band 7) (Band 38) (Band 41) | | |
| | §2.1051 §27.53 (a)(4) | Conducted Spurious Emission (Band 30) | | |
| | §2.1051 §90.543 (e)(3) | Conducted Spurious Emission (Band 14) | | |
| - | §2.1055 §22.355 §24.235 §27.54 §90.539 (e) §90.213 | Frequency Stability Temperature & Voltage | - | See Note |



| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|---|---|--------------------|---|
| 4.2 | §2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h) §90.691 | Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71) | Pass | 4.56 dB under the limit at 13845.00 MHz |
| | §2.1051 §27.53 (m)(4) | Radiated Spurious Emission (Band 7) (Band 38) (Band 41) | | |
| | §2.1053 §27.53 (a)(4) | Radiated Spurious Emission (Band 30) | | |
| | §2.1053 §90.543 (e)(3) §90.543 (f) | Radiated Spurious Emission (Band 14) | | |

Note:

- For host device, Radiated Spurious Emission, Effective Radiated Power and Equivalent Isotropic Radiated Power are verified and complies with the limit in this test report.
- For host device, the Conducted Output Power is no difference after compared to module (Model: EM061K-GL)

Conformity Assessment Condition:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

- The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.
- The purpose of different model name is for marketing segmentation.

Reviewed by: Sheng Kuo

Report Producer: Lucy Wu



1 General Description

1.1 Product Feature of Equipment Under Test

| Product Feature | |
|---------------------------------|--|
| Equipment | Notebook Computer |
| Brand Name | Lenovo |
| Model Name | TP00159A, TP00159B |
| FCC ID | 2AJN7-TP00159AL |
| Sample 1 | EUT with ATC Antenna |
| Sample 2 | EUT with AWAN Antenna |
| Integrated WLAN Module | Brand Name: Intel Model Name: AX211D2W FCC ID: PD9AX211D2 |
| Integrated WLAN Module | Brand Name: Intel Model Name: BE200D2W FCC ID: PD9BE200D2 |
| Integrated NFC Module | Brand Name: Foxconn Model Name: T77H747 |
| EUT supports Radios application | WCDMA/HSPA/LTE/GNSS/NFC WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 WLAN 11be EHT20/ EHT40/EHT80/EHT160/EHT320 Bluetooth BR/EDR/LE |
| EUT Stage | Production Unit |

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Quectel EM061K-GL tested inside of Lenovo Notebook Computer.

| Support band and evaluated information | |
|--|--|
| Supported band | B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B66, B71 |
| Evaluated and Tested band | B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B66, B71 |
| Band covered information | Wider operating frequency band range covers narrower one when the power is worse as follows: <ul style="list-style-type: none"> ■ B26 cover B5 (Part 22) ■ B25 cover B2 (Part 24) ■ B12 cover B17 (Part 27) ■ B41 cover B38 (Part 27) ■ B66 cover B4 (Part 27) |



| TDD band Power Class | | | | |
|----------------------|-----|-----|--|--|
| | PC3 | PC2 | | |
| B38 | V | - | | |
| B41 | V | - | | |

| Antenna Information | | | | |
|---------------------|--------------|-------------|----------------|---|
| Main Antenna | Manufacturer | ATC | Peak gain(dBi) | LTE Band 2 : -1.41 LTE Band 4 : -0.25 LTE Band 5 : -0.22 LTE Band 7 : -1.67 LTE Band 12 : -0.59 LTE Band 13 : -0.25 LTE Band 14 : -0.13 LTE Band 17 : -0.59 LTE Band 25 : -1.41 LTE Band 26 : -0.45 LTE Band 30 : -0.81 LTE Band 38 : -2.19 LTE Band 41 : -1.03 LTE Band 66 : -0.25 LTE Band 71 : -0.90 |
| | Part number | DC330022K70 | Type | PIFA |
| Main Antenna | Manufacturer | AWAN | Peak gain(dBi) | LTE Band 2 : -1.41 LTE Band 4 : -0.25 LTE Band 5 : -0.22 LTE Band 7 : -1.67 LTE Band 12 : -0.59 LTE Band 13 : -0.25 LTE Band 14 : -0.13 LTE Band 17 : -0.59 LTE Band 25 : -1.41 LTE Band 26 : -0.45 LTE Band 30 : -0.81 LTE Band 38 : -2.19 LTE Band 41 : -1.03 LTE Band 66 : -0.25 LTE Band 71 : -0.90 |
| | Part number | DC330022H70 | Type | PIFA |

Remark: The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.



1.2 Product Specification of Equipment Under Test

| Product Specification is subject to this standard | |
|---|--|
| Tx Frequency | LTE Band 2: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 7: 2502.5 MHz ~ 2567.5 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz LTE Band 13: 779.5 MHz ~ 784.5 MHz LTE Band 14: 790.5 MHz ~ 795.5 MHz LTE Band 17: 706.5 MHz ~ 713.5 MHz LTE Band 25: 1850.7MHz ~ 1914.3 MHz LTE Band 26 (Part22H): 824.7 MHz ~ 848.3 MHz LTE Band 26 (Part90S): 814.7 MHz ~ 823.3 MHz LTE Band 30: 2307.5 MHz ~ 2312.5 MHz LTE Band 38: 2572.5 MHz ~ 2617.5MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 1710.7 MHz ~ 1779.3 MHz LTE Band 71: 665.5 MHz ~ 695.5 MHz |
| Rx Frequency | LTE Band 2: 1930.7 MHz ~ 1989.3 MHz LTE Band 4: 2110.7 MHz ~ 2154.3 MHz LTE Band 5: 869.7 MHz ~ 893.3 MHz LTE Band 7: 2622.5MHz ~ 2687.5 MHz LTE Band 12: 729.7 MHz ~ 745.3 MHz LTE Band 13: 748.5 MHz ~ 753.5 MHz LTE Band 14: 760.5 MHz ~ 765.5 MHz LTE Band 17: 736.5 MHz ~ 743.5 MHz LTE Band 25: 1930.7MHz ~ 1994.3 MHz LTE Band 26 (Part22H): 869.7 MHz ~ 893.3MHz LTE Band 26 (Part90S): 859.7 MHz ~ 868.3 MHz LTE Band 30: 2352.5 MHz ~ 2357.5 MHz LTE Band 38: 2572.5 MHz ~ 2617.5MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz LTE Band 66: 2110.7 MHz ~ 2199.3 MHz LTE Band 71: 619.5 MHz ~ 649.5 MHz |
| Bandwidth | LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13: 5MHz / 10MHz LTE Band 14: 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 30: 5MHz / 10MHz LTE Band 38: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71: 5MHz / 10MHz / 15MHz / 20MHz |



| Product Specification is subject to this standard | |
|---|--|
| Maximum Output Power to Antenna | LTE Band 2 : 23.97 dBm LTE Band 4 : 23.71 dBm LTE Band 5 : 23.47 dBm LTE Band 7 : 23.13 dBm LTE Band 12 : 23.51 dBm LTE Band 13 : 23.47 dBm LTE Band 14 : 23.55 dBm LTE Band 17 : 23.46 dBm LTE Band 25 : 24.02 dBm LTE Band 26 : 23.51 dBm for Part22H LTE Band 26 : 23.40 dBm for Part90S LTE Band 30 : 22.01 dBm LTE Band 38 : 23.12 dBm LTE Band 41 : 23.17 dBm LTE Band 66 : 23.78 dBm LTE Band 71 : 23.92 dBm |
| Type of Modulation | QPSK / 16QAM |

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

| | |
|------------------------------|---|
| Test Site | Sporton International Inc. EMC & Wireless Communications Laboratory |
| Test Site Location | No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333 |
| Test Site No. | Sporton Site No. |
| | TH03-HY |
| Test Engineer | HaoEn Zhang |
| Temperature (°C) | 21.5~22.3 |
| Relative Humidity (%) | 52.1~53.6 |

| | |
|------------------------------|--|
| Test Site | Sporton International Inc. Wensan Laboratory |
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010 |
| Test Site No. | Sporton Site No. |
| | 03CH12-HY (TAF Code: 3786) |
| Test Engineer | Bill Chang, Tim Lee and Wilson Wu |
| Temperature (°C) | 20~25 |
| Relative Humidity (%) | 50~60 |
| Remark | The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory |

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786



1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

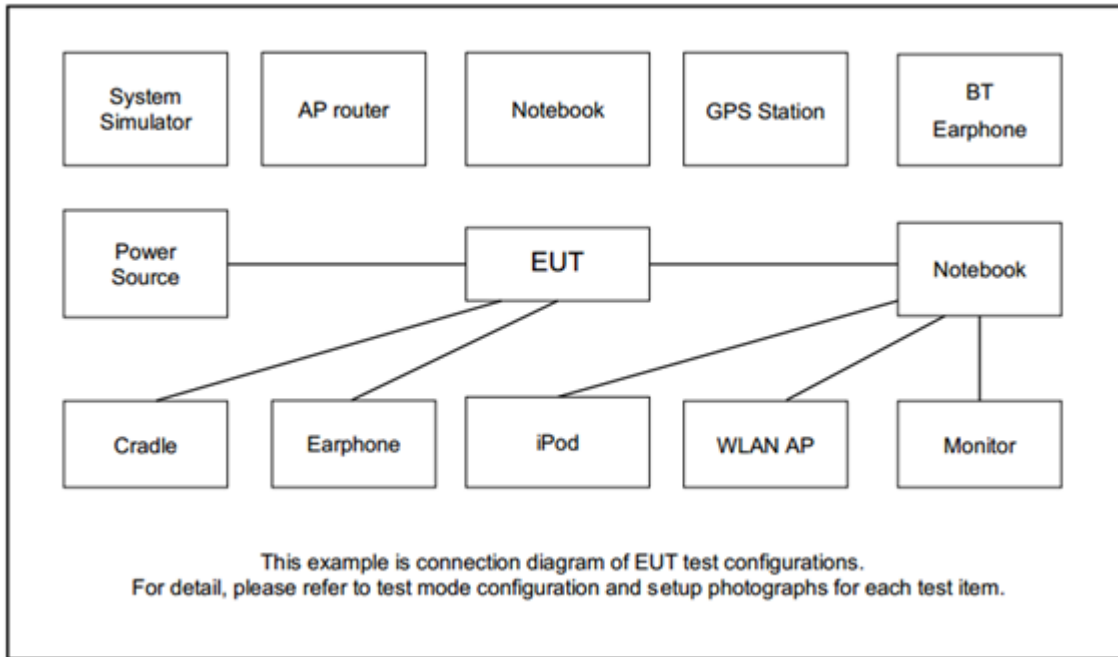
| Modulation Type | Modulation |
|-----------------|------------|
| A | QPSK |
| B | 16QAM |

| Test Item | Modulation Type | Bandwidth | RB Size | Channel |
|-----------------|-----------------|----------------|---------------|---------|
| Conducted Power | A, B | All | 1, Half, Full | L, M, H |
| ERP / EIRP | A, B | All | 1, Half, Full | L, M, H |
| RSE | A | 20 MHz or less | 1RB | L, M, H |

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. During the RSE preliminary test, the standalone mode and charging modes were verified. It is determined that the adapter mode is the worst case for the official test.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model No. | FCC ID | Data Cable | Power Cord |
|------|------------------|------------|-----------|--------|-----------------|-------------------|
| 1. | System Simulator | Anritsu | MT8821C | N/A | N/A | Unshielded, 1.8 m |
| 2. | Earphone | Google | G019A | N/A | Shielded, 1.2 m | N/A |



2.4 Frequency List of Low/Middle/High Channels

| LTE Band 2 Channel and Frequency List | | | | |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 18700 | 18900 | 19100 |
| | Frequency | 1860 | 1880 | 1900 |
| 15 | Channel | 18675 | 18900 | 19125 |
| | Frequency | 1857.5 | 1880 | 1902.5 |
| 10 | Channel | 18650 | 18900 | 19150 |
| | Frequency | 1855 | 1880 | 1905 |
| 5 | Channel | 18625 | 18900 | 19175 |
| | Frequency | 1852.5 | 1880 | 1907.5 |
| 3 | Channel | 18615 | 18900 | 19185 |
| | Frequency | 1851.5 | 1880 | 1908.5 |
| 1.4 | Channel | 18607 | 18900 | 19193 |
| | Frequency | 1850.7 | 1880 | 1909.3 |

| LTE Band 4 Channel and Frequency List | | | | |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 20050 | 20175 | 20300 |
| | Frequency | 1720 | 1732.5 | 1745 |
| 15 | Channel | 20025 | 20175 | 20325 |
| | Frequency | 1717.5 | 1732.5 | 1747.5 |
| 10 | Channel | 20000 | 20175 | 20350 |
| | Frequency | 1715 | 1732.5 | 1750 |
| 5 | Channel | 19975 | 20175 | 20375 |
| | Frequency | 1712.5 | 1732.5 | 1752.5 |
| 3 | Channel | 19965 | 20175 | 20385 |
| | Frequency | 1711.5 | 1732.5 | 1753.5 |
| 1.4 | Channel | 19957 | 20175 | 20393 |
| | Frequency | 1710.7 | 1732.5 | 1754.3 |



| LTE Band 5 Channel and Frequency List | | | | |
|--|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | 20450 | 20525 | 20600 |
| | Frequency | 829 | 836.5 | 844 |
| 5 | Channel | 20425 | 20525 | 20625 |
| | Frequency | 826.5 | 836.5 | 846.5 |
| 3 | Channel | 20415 | 20525 | 20635 |
| | Frequency | 825.5 | 836.5 | 847.5 |
| 1.4 | Channel | 20407 | 20525 | 20643 |
| | Frequency | 824.7 | 836.5 | 848.3 |

| LTE Band 7 Channel and Frequency List | | | | |
|--|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 20850 | 21100 | 21350 |
| | Frequency | 2510 | 2535 | 2560 |
| 15 | Channel | 20825 | 21100 | 21375 |
| | Frequency | 2507.5 | 2535 | 2562.5 |
| 10 | Channel | 20800 | 21100 | 21400 |
| | Frequency | 2505 | 2535 | 2565 |
| 5 | Channel | 20775 | 21100 | 21425 |
| | Frequency | 2502.5 | 2535 | 2567.5 |

| LTE Band 12 Channel and Frequency List | | | | |
|---|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | 23060 | 23095 | 23130 |
| | Frequency | 704 | 707.5 | 711 |
| 5 | Channel | 23035 | 23095 | 23155 |
| | Frequency | 701.5 | 707.5 | 713.5 |
| 3 | Channel | 23025 | 23095 | 23165 |
| | Frequency | 700.5 | 707.5 | 714.5 |
| 1.4 | Channel | 23017 | 23095 | 23173 |
| | Frequency | 699.7 | 707.5 | 715.3 |



| LTE Band 13 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | - | 23230 | - |
| | Frequency | - | 782 | - |
| 5 | Channel | 23205 | 23230 | 23255 |
| | Frequency | 779.5 | 782 | 784.5 |

| LTE Band 14 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | - | 23330 | - |
| | Frequency | - | 793 | - |
| 5 | Channel | 23305 | 23330 | 23355 |
| | Frequency | 790.5 | 793 | 795.5 |

| LTE Band 17 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | 23780 | 23790 | 23800 |
| | Frequency | 709 | 710 | 711 |
| 5 | Channel | 23755 | 23790 | 23825 |
| | Frequency | 706.5 | 710 | 713.5 |

| LTE Band 25 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 26140 | 26340 | 26590 |
| | Frequency | 1860 | 1880 | 1905 |
| 15 | Channel | 26115 | 26340 | 26615 |
| | Frequency | 1857.5 | 1880 | 1907.5 |
| 10 | Channel | 26090 | 26340 | 26640 |
| | Frequency | 1855 | 1880 | 1910 |
| 5 | Channel | 26065 | 26340 | 26665 |
| | Frequency | 1852.5 | 1880 | 1912.5 |
| 3 | Channel | 26055 | 26340 | 26675 |
| | Frequency | 1851.5 | 1880 | 1913.5 |
| 1.4 | Channel | 26047 | 26340 | 26683 |
| | Frequency | 1850.7 | 1880 | 1914.3 |



| LTE Band 26 Channel and Frequency List (Part22) | | | | |
|---|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 15 | Channel | 26865 | 26915 | 26965 |
| | Frequency | 831.5 | 836.5 | 841.5 |
| 10 | Channel | 26840 | 26915 | 26990 |
| | Frequency | 829.0 | 836.5 | 844.0 |
| 5 | Channel | 26815 | 26915 | 27015 |
| | Frequency | 826.5 | 836.5 | 846.5 |
| 3 | Channel | 26805 | 26915 | 27025 |
| | Frequency | 825.5 | 836.5 | 847.5 |
| 1.4 | Channel | 26797 | 26915 | 27033 |
| | Frequency | 824.7 | 836.5 | 848.3 |

| LTE Band 26 Channel and Frequency List (Part90 S) | | | | |
|---|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | - | 26740 | - |
| | Frequency | - | 819 | - |
| 5 | Channel | 26715 | 26740 | 26765 |
| | Frequency | 816.5 | 819 | 821.5 |
| 3 | Channel | 26705 | 26740 | 26775 |
| | Frequency | 815.5 | 819 | 822.5 |
| 1.4 | Channel | 26697 | 26740 | 26783 |
| | Frequency | 814.7 | 819 | 823.3 |



| LTE Band 26 Channel and Frequency List (Part90 S) | | | | |
|---|------------------------|---------------------|---------------------|---|
| BW [MHz] | Channel/Frequency(MHz) | cross-rule channels | cross-rule channels | - |
| 15 | Channel | 26765 | 26790 | - |
| | Frequency | 821.5 | 824 | - |
| 10 | Channel | - | 26790 | - |
| | Frequency | - | 824 | - |
| 5 | Channel | - | 26790 | - |
| | Frequency | - | 824 | - |
| 3 | Channel | - | 26790 | - |
| | Frequency | - | 824 | - |
| 1.4 | Channel | - | 26790 | - |
| | Frequency | - | 824 | - |

| LTE Band 30 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | - | 27710 | - |
| | Frequency | - | 2310 | - |
| 5 | Channel | 27685 | 27710 | 27735 |
| | Frequency | 2307.5 | 2310 | 2312.5 |



| LTE Band 38 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 37850 | 38000 | 38150 |
| | Frequency | 2580.0 | 2595.0 | 2610.0 |
| 15 | Channel | 37825 | 38000 | 38175 |
| | Frequency | 2577.5 | 2595.0 | 2612.5 |
| 10 | Channel | 37800 | 38000 | 38200 |
| | Frequency | 2575.0 | 2595.0 | 2615.0 |
| 5 | Channel | 37775 | 38000 | 38225 |
| | Frequency | 2572.5 | 2595.0 | 2617.5 |

| LTE Band 41 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 39750 | 40620 | 41490 |
| | Frequency | 2506.0 | 2593.0 | 2680.0 |
| 15 | Channel | 39725 | 40620 | 41515 |
| | Frequency | 2503.5 | 2593.0 | 2682.5 |
| 10 | Channel | 39700 | 40620 | 41540 |
| | Frequency | 2501.0 | 2593.0 | 2685.0 |
| 5 | Channel | 39675 | 40620 | 41565 |
| | Frequency | 2498.5 | 2593.0 | 2687.5 |

| LTE Band 66 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 132072 | 132322 | 132572 |
| | Frequency | 1720 | 1745 | 1770 |
| 15 | Channel | 132047 | 132322 | 132597 |
| | Frequency | 1717.5 | 1745 | 1772.5 |
| 10 | Channel | 132022 | 132322 | 132622 |
| | Frequency | 1715 | 1745 | 1775 |
| 5 | Channel | 131997 | 132322 | 132647 |
| | Frequency | 1712.5 | 1745 | 1777.5 |
| 3 | Channel | 131987 | 132322 | 132657 |
| | Frequency | 1711.5 | 1745 | 1778.5 |
| 1.4 | Channel | 131979 | 132322 | 132665 |
| | Frequency | 1710.7 | 1745 | 1779.3 |



| LTE Band 71 Channel and Frequency List | | | | |
|---|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 133222 | 133297 | 133372 |
| | Frequency | 673.0 | 680.5 | 688.0 |
| 15 | Channel | 133197 | 133297 | 133397 |
| | Frequency | 670.5 | 680.5 | 690.5 |
| 10 | Channel | 133172 | 133297 | 133422 |
| | Frequency | 668.0 | 680.5 | 693.0 |
| 5 | Channel | 133147 | 133297 | 133447 |
| | Frequency | 665.5 | 680.5 | 695.5 |

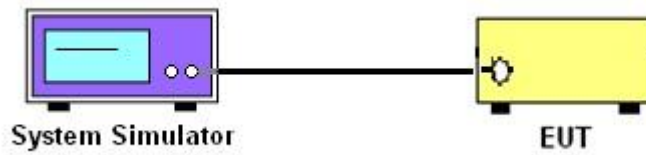
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5, Band 26 (Part 22H)

The Output Power of mobile transmitters must not exceed 100 Watts for LTE Band 26 (Part 90S)

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13, Band 14, Band 17, Band 71

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2, Band 25, Band 7, Band 38, Band 41

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4, Band 66

The EIRP of mobile transmitters must not exceed 250mW/5MHz for LTE Band 30

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

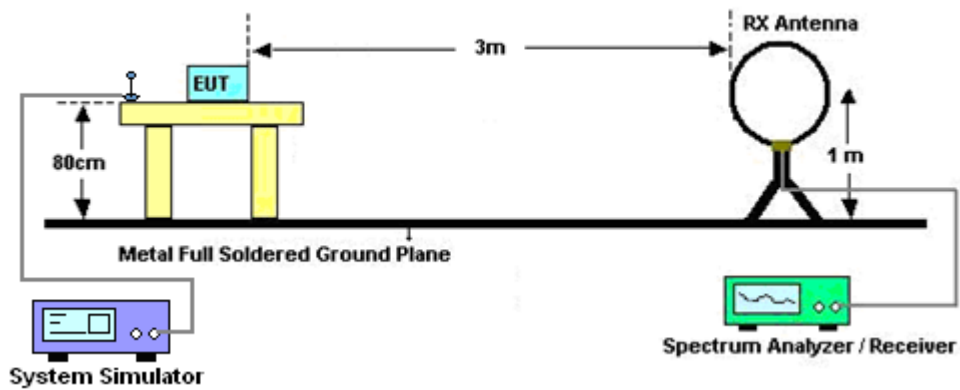
4 Radiated Test Items

4.1 Measuring Instruments

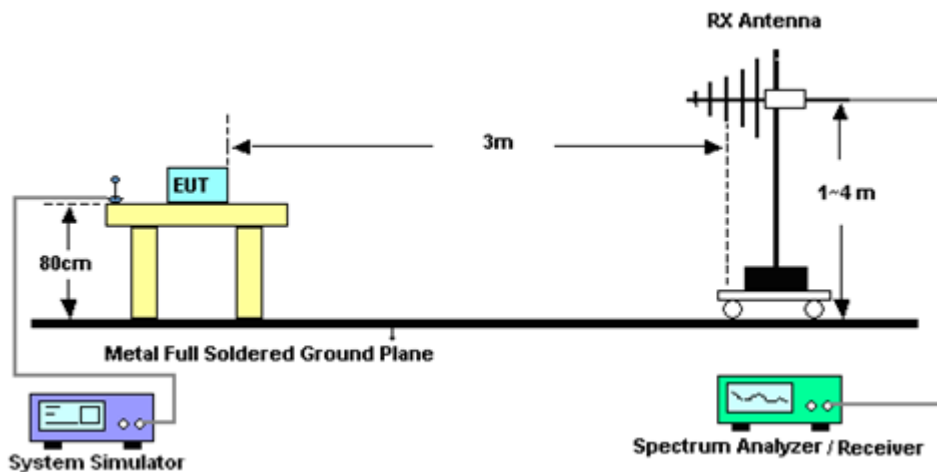
See list of measuring instruments of this test report.

4.1.1 Test Setup

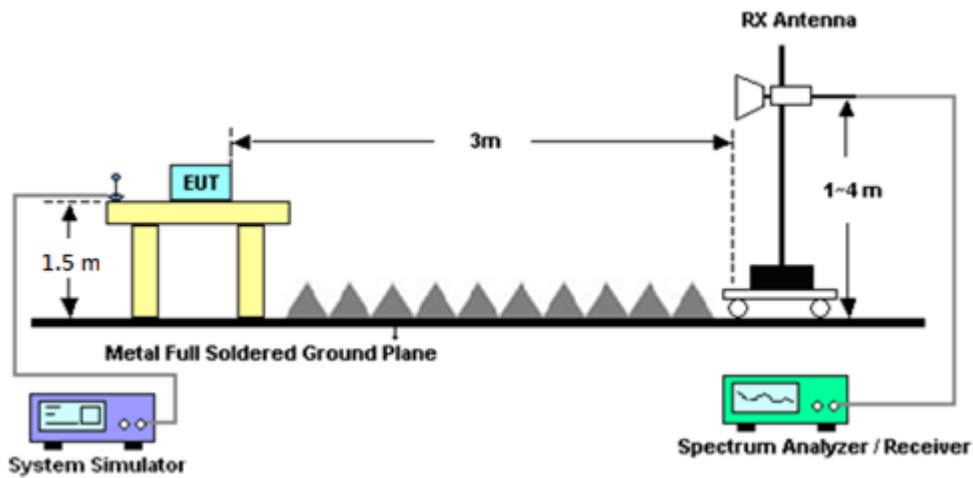
For radiated test below 30MHz



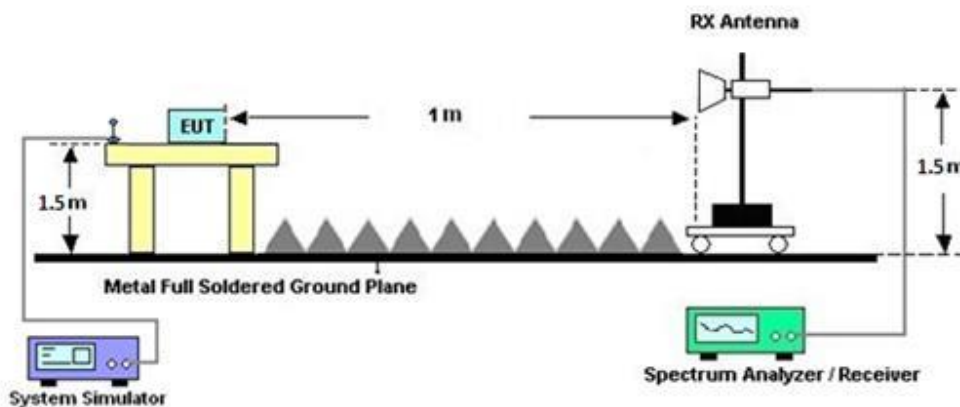
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For LTE Band 7

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For LTE Band 30

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $70 + 10 \log (P)$ dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.



4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
 $EIRP(dBm) = Level (dBuV/m) + 20\log(d) - 104.77,$
where d is the distance at which field strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---------------------------|----------------------------|--|-------------|---|------------------|---------------------------------|---------------|--------------------------|
| Loop Antenna | Rohde & Schwarz | HFH2-Z2 | 100315 | 9 kHz~30 MHz | Feb. 28, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | Feb. 27, 2024 | Radiation (03CH12-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & 00800N1D01N-06 | 37059 & 01 | 30MHz~1GHz | Nov. 03, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | Nov. 02, 2024 | Radiation (03CH12-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & 00800N1D01N-06 | 40103 & 07 | 30MHz~1GHz | Apr. 23, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | Apr. 22, 2024 | Radiation (03CH12-HY) |
| Horn Antenna | SCHWARZBE CK | BBHA 9120 D | 9120D-1328 | 1GHz~18GHz | Dec. 15, 2022 | Nov. 24, 2023~ Nov. 30, 2023 | Dec. 14, 2023 | Radiation (03CH12-HY) |
| Horn Antenna | SCHWARZBE CK | BBHA 9120 D | 9120D-02114 | 1GHz~18GHz | Jul. 31, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | Jul. 30, 2024 | Radiation (03CH12-HY) |
| SHF-EHF Horn Antenna | SCHWARZBE CK | BBHA9170 | 1224 | 18GHz~40GHz | Jul. 10, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | Jul. 09, 2024 | Radiation (03CH12-HY) |
| Preamplifier | COM-POWER | PA-103A | 161075 | 10MHz~1GHz | Mar. 21, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | Mar. 20, 2024 | Radiation (03CH12-HY) |
| Preamplifier | Agilent | 8449B | 3008A02375 | 1GHz~26.5GHz | May 23, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | May 22, 2024 | Radiation (03CH12-HY) |
| Preamplifier | E-INSTRUME NT TECH LTD. | ERA-100M-18G-5 6-01-A70 | EC1900249 | 1GHz-18GHz | Dec. 21, 2022 | Nov. 24, 2023~ Nov. 30, 2023 | Dec. 20, 2023 | Radiation (03CH12-HY) |
| Preamplifier | EMEC | EM18G40G | 060715 | 18GHz~40GHz | Dec. 07, 2022 | Nov. 24, 2023~ Nov. 30, 2023 | Dec. 06, 2023 | Radiation (03CH12-HY) |
| Spectrum Analyzer | Agilent | N9010A | MY53470118 | 10Hz~44GHz | Jan. 10, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | Jan. 09, 2024 | Radiation (03CH12-HY) |
| Filter | Wainwright | WHKX12-900-100 0-15000-60SS | SN12 | 1GHz High Pass Filter | Sep. 11, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | Sep. 10, 2024 | Radiation (03CH12-HY) |
| Filter | Wainwright | WHKX12-2700-30 00-18000-60ST | SN2 | 3GHz High Pass Filter | Mar. 14, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | Mar. 13, 2024 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 803951/2 | 9kHz~30MHz | Mar. 07, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | Mar. 06, 2024 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 126E | 0058/126E | 30MHz~18GHz | Dec. 20, 2022 | Nov. 24, 2023~ Nov. 30, 2023 | Dec. 19, 2023 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 505134/2 | 30MHz~40GHz | Dec. 20, 2022 | Nov. 24, 2023~ Nov. 30, 2023 | Dec. 19, 2023 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 803953/2 | 30MHz~40GHz | Dec. 20, 2022 | Nov. 24, 2023~ Nov. 30, 2023 | Dec. 19, 2023 | Radiation (03CH12-HY) |
| Hygrometer | TECPEL | DTM-303B | TP210117 | N/A | Oct. 19, 2023 | Nov. 24, 2023~ Nov. 30, 2023 | Oct. 18, 2024 | Radiation (03CH12-HY) |
| Controller | EMEC | EM1000 | N/A | Control Turn table & Ant Mast | N/A | Nov. 24, 2023~ Nov. 30, 2023 | N/A | Radiation (03CH12-HY) |
| Antenna Mast | EMEC | AM-BS-4500-B | N/A | 1m~4m | N/A | Nov. 24, 2023~ Nov. 30, 2023 | N/A | Radiation (03CH12-HY) |
| Turn Table | EMEC | TT2000 | N/A | 0~360 Degree | N/A | Nov. 24, 2023~ Nov. 30, 2023 | N/A | Radiation (03CH12-HY) |
| Software | Audix | E3 6.2009-8-24 | RK-000989 | N/A | N/A | Nov. 24, 2023~ Nov. 30, 2023 | N/A | Radiation (03CH12-HY) |
| Base Station (Measure) | Anritsu | MT8821C | 6201664755 | LTE FDD/TDD(with4 4), LTE-4CC DLCA/2CC ULCA, CatM1/NB1/NB2 | Jul. 18, 2023 | Nov. 13, 2023~ Nov. 17, 2023 | Jul. 17, 2024 | Conducted (TH03-HY) |
| Spectrum Analyzer | Rohde & Schwarz | FSV40 | 101908 | 10Hz~40GHz | Sep. 11, 2023 | Nov. 13, 2023~ Nov. 17, 2023 | Sep. 10, 2024 | Conducted (TH03-HY) |
| Coupler | Warison | 20dB 25W SMA Directional Coupler | #B | 1-18GHz | Jan. 06, 2023 | Nov. 13, 2023~ Nov. 17, 2023 | Jan. 05, 2024 | Conducted (TH03-HY) |



6 Measurement Uncertainty

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

| | |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 3.07 dB |
|---|---------|

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

| | |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 3.63 dB |
|---|---------|

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

| | |
|---|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 4.14 dB |
|---|---------|



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.97 | 23.96 | 23.65 | 22.56 | 0.1803 |
| 20 | 1 | 0 | 16-QAM | 23.24 | 23.37 | 23.31 | 21.96 | 0.1570 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.89 | 23.96 | 23.93 | 22.55 | 0.1799 |
| 15 | 1 | 0 | 16-QAM | 23.18 | 23.28 | 23.24 | 21.87 | 0.1538 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.86 | 23.93 | 23.91 | 22.52 | 0.1786 |
| 10 | 1 | 0 | 16-QAM | 23.13 | 23.31 | 23.22 | 21.90 | 0.1549 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.90 | 23.91 | 23.90 | 22.50 | 0.1778 |
| 5 | 1 | 0 | 16-QAM | 23.14 | 23.28 | 23.25 | 21.87 | 0.1538 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.86 | 23.93 | 23.95 | 22.54 | 0.1795 |
| 3 | 1 | 0 | 16-QAM | 23.14 | 23.31 | 23.25 | 21.90 | 0.1549 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 23.81 | 23.89 | 23.90 | 22.49 | 0.1774 |
| 1.4 | 1 | 0 | 16-QAM | 23.19 | 23.18 | 23.16 | 21.78 | 0.1507 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.64 | 24.02 | 23.82 | 22.61 | 0.1824 |
| 20 | 1 | 0 | 16-QAM | 22.96 | 23.25 | 23.14 | 21.84 | 0.1528 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.55 | 23.77 | 23.70 | 22.36 | 0.1722 |
| 15 | 1 | 0 | 16-QAM | 22.90 | 23.19 | 23.08 | 21.78 | 0.1507 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.55 | 23.79 | 23.72 | 22.38 | 0.1730 |
| 10 | 1 | 0 | 16-QAM | 22.84 | 23.14 | 23.04 | 21.73 | 0.1489 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.57 | 23.81 | 23.75 | 22.40 | 0.1738 |
| 5 | 1 | 0 | 16-QAM | 22.84 | 23.16 | 23.06 | 21.75 | 0.1496 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.56 | 23.79 | 23.74 | 22.38 | 0.1730 |
| 3 | 1 | 0 | 16-QAM | 22.87 | 23.17 | 23.03 | 21.76 | 0.1500 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 25 Maximum Average Power [dBm] (GT - LC = -1.41 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 23.45 | 23.74 | 23.50 | 22.33 | 0.1710 |
| 1.4 | 1 | 0 | 16-QAM | 22.74 | 23.05 | 22.79 | 21.64 | 0.1459 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.68 | 23.71 | 23.69 | 23.46 | 0.2218 |
| 20 | 1 | 0 | 16-QAM | 23.05 | 23.03 | 22.84 | 22.80 | 0.1905 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.70 | 23.65 | 23.58 | 23.45 | 0.2213 |
| 15 | 1 | 0 | 16-QAM | 22.94 | 22.92 | 22.75 | 22.69 | 0.1858 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.70 | 23.65 | 23.54 | 23.45 | 0.2213 |
| 10 | 1 | 0 | 16-QAM | 22.98 | 22.92 | 22.77 | 22.73 | 0.1875 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.71 | 23.68 | 23.57 | 23.46 | 0.2218 |
| 5 | 1 | 0 | 16-QAM | 22.97 | 22.93 | 22.76 | 22.72 | 0.1871 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.70 | 23.69 | 23.56 | 23.45 | 0.2213 |
| 3 | 1 | 0 | 16-QAM | 22.98 | 22.97 | 22.78 | 22.73 | 0.1875 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 23.65 | 23.53 | 23.67 | 23.42 | 0.2198 |
| 1.4 | 1 | 0 | 16-QAM | 22.89 | 22.75 | 22.94 | 22.69 | 0.1858 |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.22 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 23.46 | 23.47 | 23.45 | 21.10 | 0.1288 |
| 10 | 1 | 0 | 16-QAM | 22.72 | 22.77 | 22.68 | 20.40 | 0.1096 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.22 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.40 | 23.42 | 23.31 | 21.05 | 0.1274 |
| 5 | 1 | 0 | 16-QAM | 22.64 | 22.66 | 22.60 | 20.29 | 0.1069 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.22 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3 | 1 | 0 | QPSK | 23.35 | 23.42 | 23.30 | 21.05 | 0.1274 |
| 3 | 1 | 0 | 16-QAM | 22.64 | 22.69 | 22.57 | 20.32 | 0.1076 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.22 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4 | 1 | 0 | QPSK | 23.36 | 23.37 | 23.41 | 21.04 | 0.1271 |
| 1.4 | 1 | 0 | 16-QAM | 22.63 | 22.66 | 22.65 | 20.29 | 0.1069 |
| Limit | ERP < 7W | | | Result | | | Pass | |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.67 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.09 | 23.13 | 22.94 | 21.46 | 0.1400 |
| 20 | 1 | 0 | 16-QAM | 22.38 | 22.41 | 22.33 | 20.74 | 0.1186 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.67 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 22.97 | 23.02 | 22.86 | 21.35 | 0.1365 |
| 15 | 1 | 0 | 16-QAM | 22.27 | 22.30 | 22.26 | 20.63 | 0.1156 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.67 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.93 | 23.02 | 22.85 | 21.35 | 0.1365 |
| 10 | 1 | 0 | 16-QAM | 22.30 | 22.31 | 22.25 | 20.64 | 0.1159 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.67 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 22.94 | 23.02 | 22.86 | 21.35 | 0.1365 |
| 5 | 1 | 0 | 16-QAM | 22.30 | 22.31 | 22.22 | 20.64 | 0.1159 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.59 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 23.51 | 23.42 | 23.36 | 20.77 | 0.1194 |
| 10 | 1 | 0 | 16-QAM | 22.69 | 22.49 | 22.54 | 19.95 | 0.0989 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.59 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.43 | 23.27 | 23.22 | 20.69 | 0.1172 |
| 5 | 1 | 0 | 16-QAM | 22.58 | 22.39 | 22.45 | 19.84 | 0.0964 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.59 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3 | 1 | 0 | QPSK | 23.40 | 23.26 | 23.24 | 20.66 | 0.1164 |
| 3 | 1 | 0 | 16-QAM | 22.63 | 22.39 | 22.45 | 19.89 | 0.0975 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -0.59 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4 | 1 | 0 | QPSK | 23.42 | 23.35 | 23.30 | 20.68 | 0.1169 |
| 1.4 | 1 | 0 | 16-QAM | 22.63 | 22.52 | 22.56 | 19.89 | 0.0975 |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | - | 23.47 | - | 21.07 | 0.1279 |
| 10 | 1 | 0 | 16-QAM | - | 22.54 | - | 20.14 | 0.1033 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.42 | 23.38 | 23.37 | 21.02 | 0.1265 |
| 5 | 1 | 0 | 16-QAM | 22.42 | 22.42 | 22.48 | 20.08 | 0.1019 |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -0.59 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 23.46 | 23.34 | 23.30 | 20.72 | 0.1180 |
| 10 | 1 | 0 | 16-QAM | 22.53 | 22.51 | 22.42 | 19.79 | 0.0953 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -0.59 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.35 | 23.23 | 23.21 | 20.61 | 0.1151 |
| 5 | 1 | 0 | 16-QAM | 22.46 | 22.45 | 22.32 | 19.72 | 0.0938 |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -0.45 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15 | 1 | 0 | QPSK | 23.42 | 23.51 | 23.39 | 20.91 | 0.1233 |
| 15 | 1 | 0 | 16-QAM | 22.80 | 22.72 | 22.71 | 20.20 | 0.1047 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -0.45 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 23.33 | 23.40 | 23.24 | 20.80 | 0.1202 |
| 10 | 1 | 0 | 16-QAM | 22.69 | 22.61 | 22.64 | 20.09 | 0.1021 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -0.45 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.34 | 23.41 | 23.29 | 20.81 | 0.1205 |
| 5 | 1 | 0 | 16-QAM | 22.72 | 22.65 | 22.60 | 20.12 | 0.1028 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -0.45 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3 | 1 | 0 | QPSK | 23.31 | 23.40 | 23.24 | 20.80 | 0.1202 |
| 3 | 1 | 0 | 16-QAM | 22.71 | 22.65 | 22.65 | 20.11 | 0.1026 |
| Limit | ERP < 7W | | | Result | | | Pass | |

| LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = -0.45 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4 | 1 | 0 | QPSK | 23.34 | 23.25 | 23.31 | 20.74 | 0.1186 |
| 1.4 | 1 | 0 | 16-QAM | 22.60 | 22.57 | 22.55 | 20.00 | 0.1000 |
| Limit | ERP < 7W | | | Result | | | Pass | |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -2.19 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.02 | 23.06 | 23.12 | 20.93 | 0.1239 |
| 20 | 1 | 0 | 16-QAM | 22.05 | 22.15 | 22.17 | 19.98 | 0.0995 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -2.19 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 22.85 | 22.94 | 23.05 | 20.86 | 0.1219 |
| 15 | 1 | 0 | 16-QAM | 21.96 | 22.06 | 22.05 | 19.87 | 0.0971 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -2.19 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.87 | 22.92 | 23.00 | 20.81 | 0.1205 |
| 10 | 1 | 0 | 16-QAM | 21.98 | 22.03 | 22.07 | 19.88 | 0.0973 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -2.19 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 22.87 | 22.94 | 23.04 | 20.85 | 0.1216 |
| 5 | 1 | 0 | 16-QAM | 21.96 | 22.04 | 22.07 | 19.88 | 0.0973 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.03 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.17 | 23.15 | 23.00 | 22.14 | 0.1637 |
| 20 | 1 | 0 | 16-QAM | 22.22 | 22.30 | 22.06 | 21.27 | 0.1340 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.03 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.08 | 23.08 | 22.88 | 22.05 | 0.1603 |
| 15 | 1 | 0 | 16-QAM | 22.15 | 22.23 | 22.00 | 21.20 | 0.1318 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.03 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.07 | 23.09 | 22.87 | 22.06 | 0.1607 |
| 10 | 1 | 0 | 16-QAM | 22.11 | 22.24 | 21.99 | 21.21 | 0.1321 |
| Limit | EIRP < 2W | | | Result | | | Pass | |

| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.03 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.10 | 23.06 | 22.88 | 22.07 | 0.1611 |
| 5 | 1 | 0 | 16-QAM | 22.14 | 22.24 | 21.98 | 21.21 | 0.1321 |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 30 Maximum Average Power [dBm] (GT - LC = -0.81 dB) | | | | | | | | |
|--|-------------------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | - | 22.01 | - | 21.20 | 0.1318 |
| 10 | 1 | 0 | 16-QAM | | 21.28 | | 20.47 | 0.1114 |
| Limit | EIRP < 250mW/5MHz | | | Result | | | Pass | |

| LTE Band 30 Maximum Average Power [dBm] (GT - LC = -0.81 dB) | | | | | | | | |
|--|-------------------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 21.95 | 21.89 | 21.96 | 21.15 | 0.1303 |
| 5 | 1 | 0 | 16-QAM | 21.20 | 21.17 | 21.17 | 20.39 | 0.1094 |
| Limit | EIRP < 250mW/5MHz | | | Result | | | Pass | |

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.61 | 23.78 | 23.67 | 23.53 | 0.2254 |
| 20 | 1 | 0 | 16-QAM | 22.84 | 22.83 | 22.98 | 22.73 | 0.1875 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.46 | 23.57 | 23.60 | 23.35 | 0.2163 |
| 15 | 1 | 0 | 16-QAM | 22.73 | 22.75 | 22.92 | 22.67 | 0.1849 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.47 | 23.57 | 23.55 | 23.32 | 0.2148 |
| 10 | 1 | 0 | 16-QAM | 22.73 | 22.77 | 22.89 | 22.64 | 0.1837 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.49 | 23.62 | 23.55 | 23.37 | 0.2173 |
| 5 | 1 | 0 | 16-QAM | 22.75 | 22.72 | 22.91 | 22.66 | 0.1845 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.49 | 23.60 | 23.61 | 23.36 | 0.2168 |
| 3 | 1 | 0 | 16-QAM | 22.73 | 22.76 | 22.93 | 22.68 | 0.1854 |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.25 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 23.57 | 23.41 | 23.50 | 23.32 | 0.2148 |
| 1.4 | 1 | 0 | 16-QAM | 22.82 | 22.59 | 22.70 | 22.57 | 0.1807 |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.9 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 20 | 1 | 0 | QPSK | 23.92 | 23.79 | 23.75 | 20.87 | 0.1222 |
| 20 | 1 | 0 | 16-QAM | 23.17 | 23.00 | 22.98 | 20.12 | 0.1028 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.9 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15 | 1 | 0 | QPSK | 23.84 | 23.73 | 23.69 | 20.79 | 0.1199 |
| 15 | 1 | 0 | 16-QAM | 23.07 | 22.93 | 22.92 | 20.02 | 0.1005 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.9 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 23.84 | 23.74 | 23.65 | 20.79 | 0.1199 |
| 10 | 1 | 0 | 16-QAM | 23.11 | 22.90 | 22.93 | 20.06 | 0.1014 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -0.9 dB) | | | | | | | | |
|---|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.87 | 23.74 | 23.67 | 20.82 | 0.1208 |
| 5 | 1 | 0 | 16-QAM | 23.09 | 22.92 | 22.91 | 20.04 | 0.1009 |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 14 Maximum Average Power [dBm] (GT - LC = -0.13 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | - | 23.55 | - | 21.27 | 0.1340 |
| 10 | 1 | 0 | 16-QAM | | 22.84 | | 20.56 | 0.1138 |
| Limit | ERP < 3W | | | Result | | | Pass | |

| LTE Band 14 Maximum Average Power [dBm] (GT - LC = -0.13 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.46 | 23.50 | 23.47 | 21.22 | 0.1324 |
| 5 | 1 | 0 | 16-QAM | 22.74 | 22.72 | 22.78 | 20.50 | 0.1122 |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = -0.45 dB) | | | | | | | | |
|--|--------------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15 | 1 | 0 | QPSK | 23.35 | - | - | 20.75 | 0.1189 |
| 15 | 1 | 0 | 16-QAM | 22.75 | - | - | 20.15 | 0.1035 |
| Limit | Power < 100W | | | Result | | | Pass | |

| LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = -0.45 dB) | | | | | | | | |
|--|--------------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | - | 23.31 | - | 20.71 | 0.1178 |
| 10 | 1 | 0 | 16-QAM | - | 22.53 | - | 19.93 | 0.0984 |
| Limit | Power < 100W | | | Result | | | Pass | |

| LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = -0.45 dB) | | | | | | | | |
|--|--------------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.15 | 23.40 | 23.14 | 20.80 | 0.1202 |
| 5 | 1 | 0 | 16-QAM | 22.57 | 22.47 | 22.42 | 19.97 | 0.0993 |
| Limit | Power < 100W | | | Result | | | Pass | |

| LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = -0.45 dB) | | | | | | | | |
|--|--------------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3 | 1 | 0 | QPSK | 23.12 | 23.24 | 23.05 | 20.64 | 0.1159 |
| 3 | 1 | 0 | 16-QAM | 22.67 | 22.62 | 22.46 | 20.07 | 0.1016 |
| Limit | Power < 100W | | | Result | | | Pass | |

| LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = -0.45 dB) | | | | | | | | |
|--|--------------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4 | 1 | 0 | QPSK | 23.17 | 23.10 | 23.28 | 20.68 | 0.1169 |
| 1.4 | 1 | 0 | 16-QAM | 22.46 | 22.41 | 22.55 | 19.95 | 0.0989 |
| Limit | Power < 100W | | | Result | | | Pass | |



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

<Sample 1>

| Part | Mode | Ch | Freq (MHz) | Level (dBm) | Detector | Ant Factor (dB/m) | Amp\Cbl (dB) | Filter (dB) | EIRP CF (dB) | Reading (dBuV) | Limit (dBm) | Margin (dB) | Pol | Ant |
|----------|------|----|------------|-------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|-------------|-----|------|
| Part 27F | 1 | H | 1564.000 | -58.69 | RMS | 25.60 | -28.43 | 0.93 | -95.23 | 38.44 | -42.15 | -16.54 | H | Main |
| Part 27F | 2 | M | 2333.000 | -52.68 | RMS | 27.23 | -27.00 | 0.42 | -95.23 | 41.90 | -13.00 | -39.68 | V | Main |
| Part 27L | 1 | L | 3422.000 | -43.52 | RMS | 29.74 | -24.56 | 1.20 | -95.23 | 45.33 | -13.00 | -30.52 | H | Main |
| Part 27D | 1 | L | 13845.000 | -44.77 | RMS | 40.40 | -47.65 | 0.75 | -95.23 | 56.96 | -40.00 | -4.77 | V | Main |
| Part 27D | 2 | M | 13845.000 | -44.56 | RMS | 40.40 | -47.65 | 0.75 | -95.23 | 57.17 | -40.00 | -4.56 | V | Main |
| Part 27M | 1 | H | 10204.000 | -39.74 | RMS | 38.99 | -20.12 | 0.78 | -95.23 | 35.84 | -25.00 | -14.74 | V | Main |

<Sample 2>

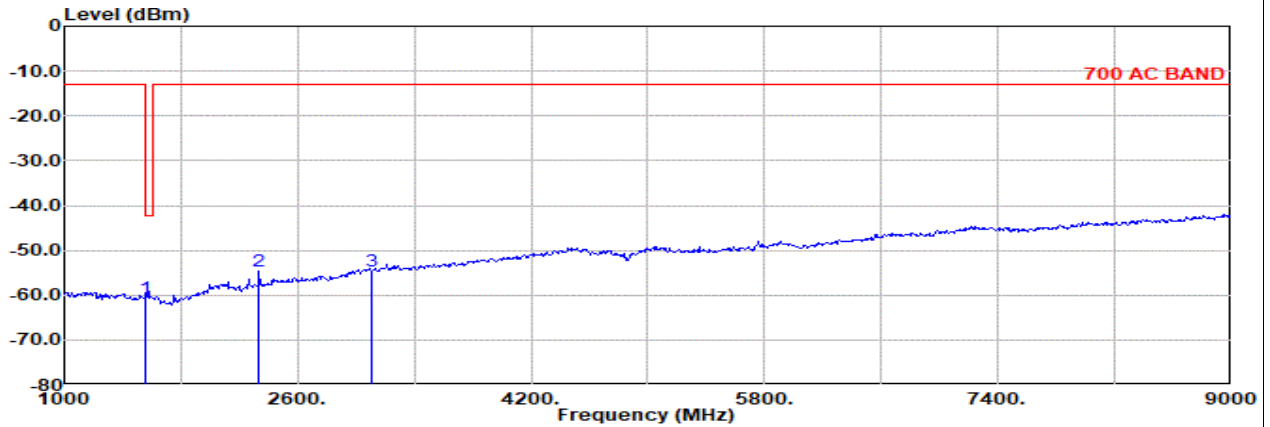
| Part | Mode | Ch | Freq (MHz) | Level (dBm) | Detector | Ant Factor (dB/m) | Amp\Cbl (dB) | Filter (dB) | EIRP CF (dB) | Reading (dBuV) | Limit (dBm) | Margin (dB) | Pol | Ant |
|----------|------|----|------------|-------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|-------------|-----|------|
| Part 27F | 3 | H | 1564.000 | -60.02 | RMS | 25.60 | -28.43 | 0.60 | -95.23 | 37.44 | -42.15 | -17.87 | V | Main |
| Part 27L | 2 | L | 6844.000 | -45.87 | RMS | 36.19 | -22.53 | 0.73 | -95.23 | 34.97 | -13.00 | -32.87 | H | Main |
| Part 27D | 3 | M | 13833.000 | -46.83 | RMS | 40.40 | -47.64 | 0.75 | -95.23 | 54.89 | -40.00 | -6.83 | V | Main |
| Part 27M | 2 | H | 10204.000 | -40.62 | RMS | 38.99 | -20.12 | 0.78 | -95.23 | 34.96 | -25.00 | -15.62 | V | Main |



<Sample 1>

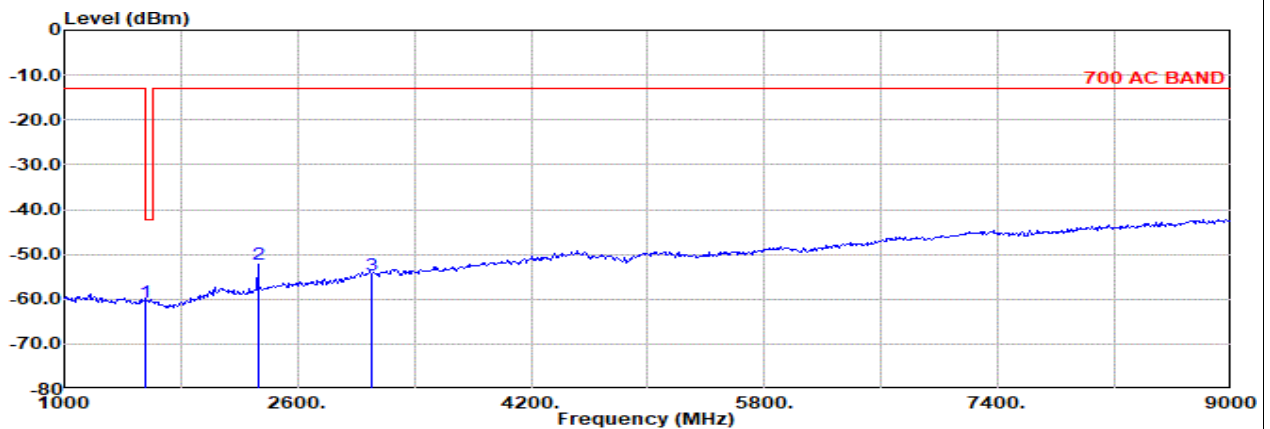
Main

Part 27F Mode 1
LTE B13 5M Ch23205 1RB0 QPSK
L



Site : 03CH12-HY
Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal
: LTE Band 13 5M Ch23205 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp | \Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|------|--------|--------|--------|--------|------------|-----|
| | MHz | dBm | | dB/m | dB | | dB | dB | dBuV | dBm | dB | |
| 1 | 1554.00 | -60.81 | RMS | 25.60 | -28.45 | 0.93 | -95.23 | 36.34 | -13.00 | -47.81 | Horizontal | |
| 2 | 2332.00 | -54.55 | RMS | 27.22 | -27.00 | 0.73 | -95.23 | 39.73 | -13.00 | -41.55 | Horizontal | |
| 3 | 3109.00 | -54.58 | RMS | 29.78 | -25.58 | 0.56 | -95.23 | 35.89 | -13.00 | -41.58 | Horizontal | |



Site : 03CH12-HY
Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical
: LTE Band 13 5M Ch23205 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp | \Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|------|--------|--------|--------|--------|----------|-----|
| | MHz | dBm | | dB/m | dB | | dB | dB | dBuV | dBm | dB | |
| 1 | 1554.00 | -60.63 | RMS | 25.60 | -28.45 | 0.93 | -95.23 | 36.52 | -13.00 | -47.63 | Vertical | |
| 2 | 2332.00 | -52.33 | RMS | 27.22 | -27.00 | 0.73 | -95.23 | 41.95 | -13.00 | -39.33 | Vertical | |
| 3 | 3109.00 | -54.65 | RMS | 29.78 | -25.58 | 0.56 | -95.23 | 35.82 | -13.00 | -41.65 | Vertical | |

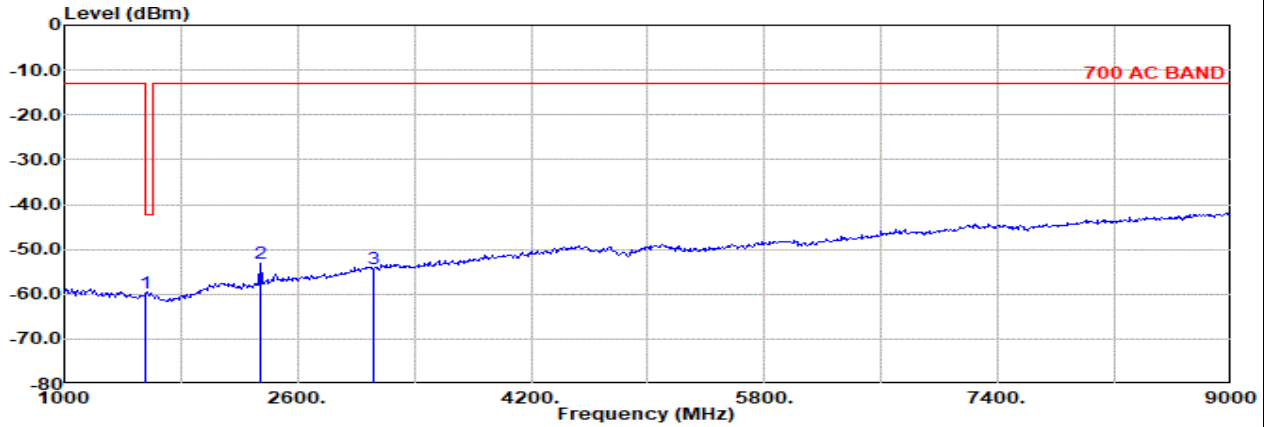


Main

Part 27F Mode 1

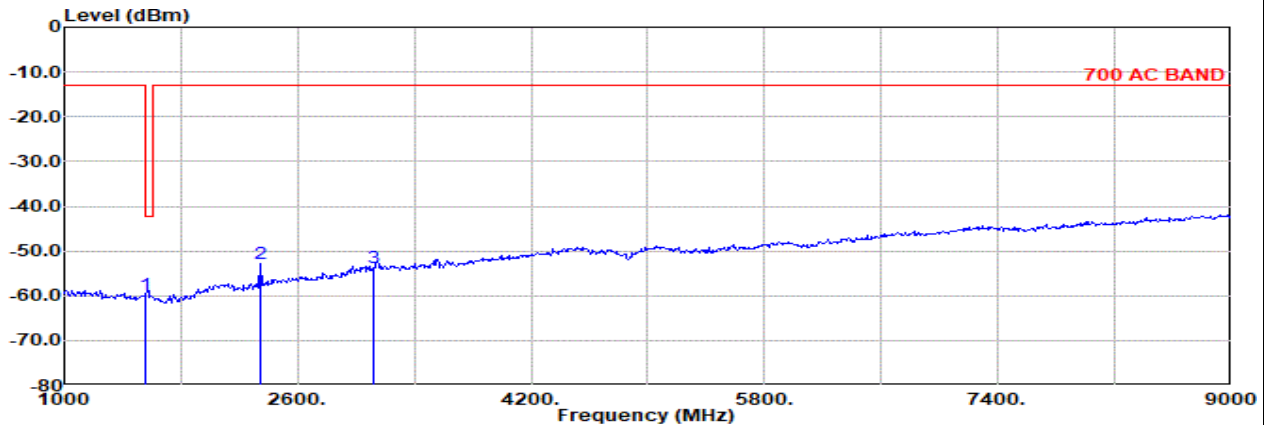
LTE B13 5M Ch23230 1RB0 QPSK

M



Site : 03CH12-HY
 Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal
 : LTE Band 13 5M Ch23230 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp | Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|----|--------|--------|--------|--------|--------|------------|
| | MHz | dBm | | dB/m | dB | | dB | dB | dBuV | dBm | dB | |
| 1 | 1559.00 | -59.82 | RMS | 25.60 | -28.44 | | 0.93 | -95.23 | 37.32 | -42.15 | -17.67 | Horizontal |
| 2 | 2339.00 | -53.06 | RMS | 27.29 | -26.99 | | 0.73 | -95.23 | 41.14 | -13.00 | -40.06 | Horizontal |
| 3 | 3119.00 | -54.25 | RMS | 29.76 | -25.55 | | 0.56 | -95.23 | 36.21 | -13.00 | -41.25 | Horizontal |



Site : 03CH12-HY
 Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical
 : LTE Band 13 5M Ch23230 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp | Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|----|--------|--------|--------|--------|--------|----------|
| | MHz | dBm | | dB/m | dB | | dB | dB | dBuV | dBm | dB | |
| 1 | 1559.00 | -59.70 | RMS | 25.60 | -28.44 | | 0.93 | -95.23 | 37.44 | -42.15 | -17.55 | Vertical |
| 2 | 2339.00 | -52.79 | RMS | 27.29 | -26.99 | | 0.73 | -95.23 | 41.41 | -13.00 | -39.79 | Vertical |
| 3 | 3119.00 | -53.80 | RMS | 29.76 | -25.55 | | 0.56 | -95.23 | 36.66 | -13.00 | -40.80 | Vertical |

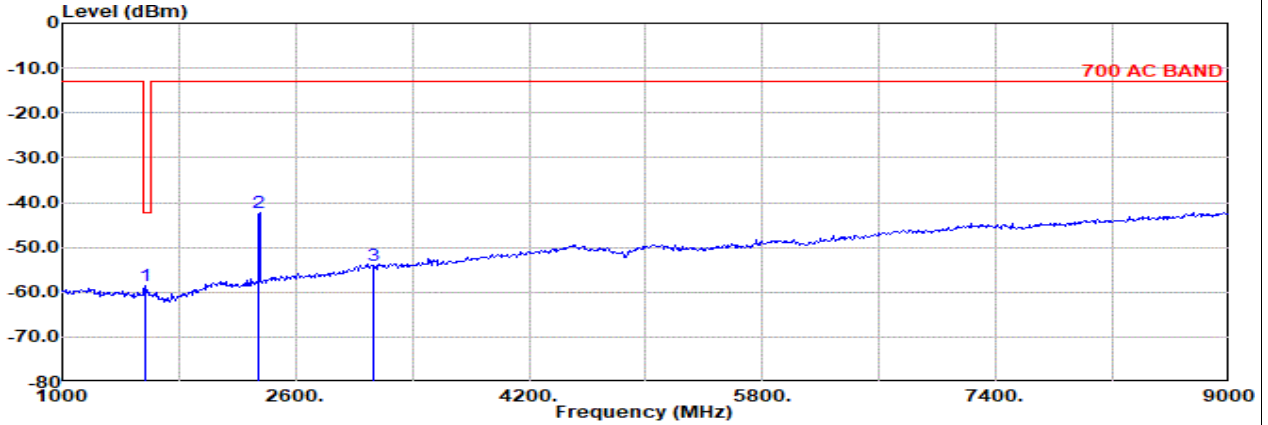


Main

Part 27F Mode 1

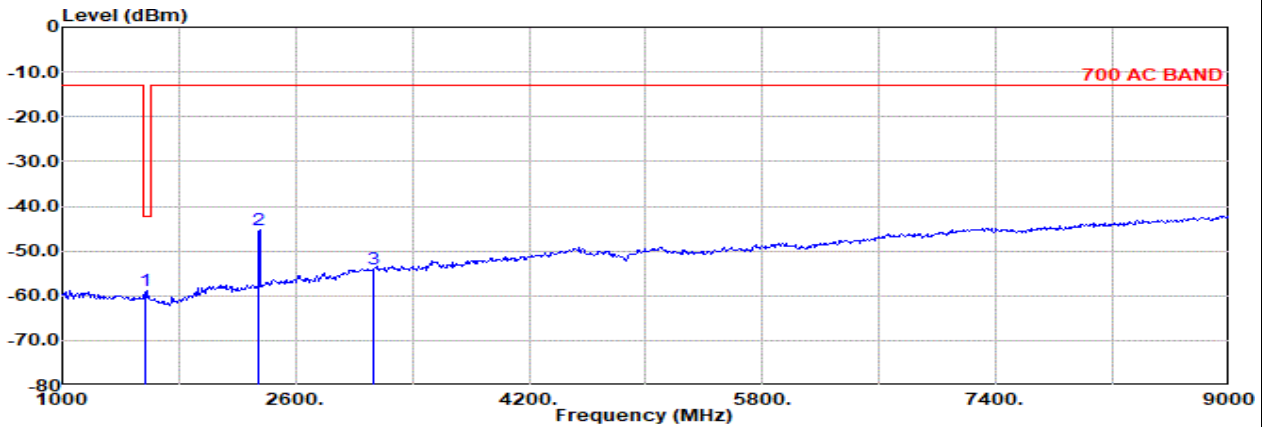
LTE B13 5M Ch23255 1RB0 QPSK

H



Site : 03CH12-HY
 Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal
 : LTE Band 13 5M Ch23255 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|--------|--------|--------|--------|--------|------------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 1564.00 | -58.69 | RMS | 25.60 | -28.43 | 0.93 | -95.23 | 38.44 | -42.15 | -16.54 | Horizontal |
| 2 | 2347.00 | -42.13 | RMS | 27.30 | -26.98 | 0.73 | -95.23 | 52.05 | -13.00 | -29.13 | Horizontal |
| 3 | 3129.00 | -54.12 | RMS | 29.74 | -25.52 | 0.56 | -95.23 | 36.33 | -13.00 | -41.12 | Horizontal |



Site : 03CH12-HY
 Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical
 : LTE Band 13 5M Ch23255 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|--------|--------|--------|--------|--------|----------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 1564.00 | -58.88 | RMS | 25.60 | -28.43 | 0.93 | -95.23 | 38.25 | -42.15 | -16.73 | Vertical |
| 2 | 2347.00 | -45.34 | RMS | 27.30 | -26.98 | 0.73 | -95.23 | 48.84 | -13.00 | -32.34 | Vertical |
| 3 | 3129.00 | -53.97 | RMS | 29.74 | -25.52 | 0.56 | -95.23 | 36.48 | -13.00 | -40.97 | Vertical |

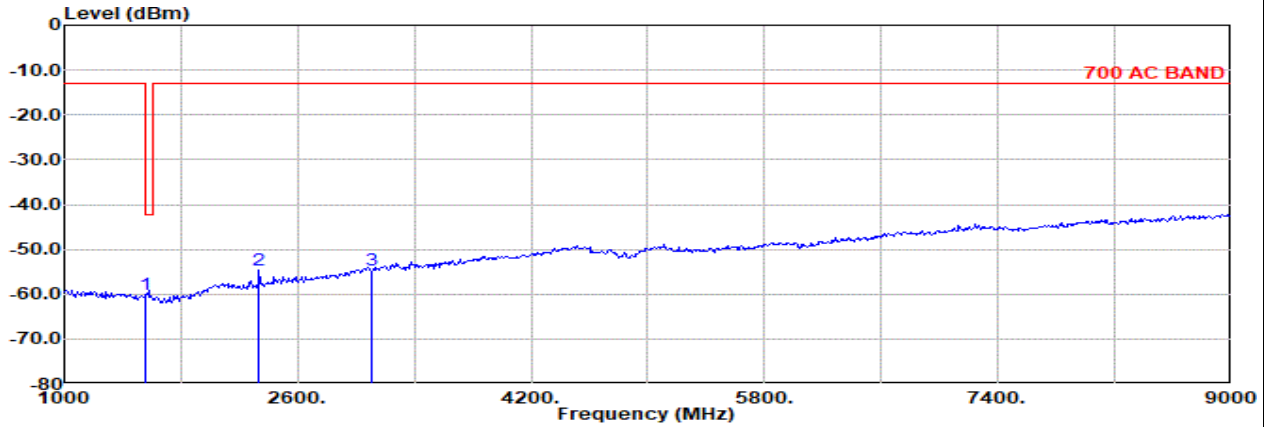


Main

Part 27F Mode 2

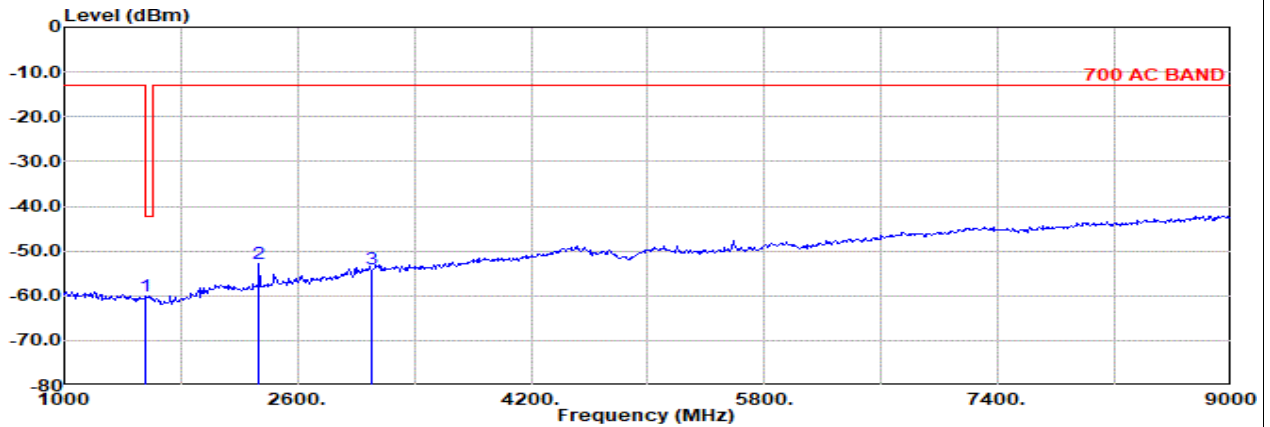
LTE B13 10M Ch23230 1RB0 QPSK

M



Site : 03CH12-HY
 Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal
 : LTE Band 13 10M Ch23230 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp | \Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|-----|--------|--------|--------|--------|--------|------------|
| | MHz | dBm | | dB/m | dB | | dB | dB | dBuV | dBm | dB | |
| 1 | 1555.00 | -60.08 | RMS | 25.60 | -28.45 | | 0.61 | -95.23 | 37.39 | -13.00 | -47.08 | Horizontal |
| 2 | 2333.00 | -54.54 | RMS | 27.23 | -27.00 | | 0.42 | -95.23 | 40.04 | -13.00 | -41.54 | Horizontal |
| 3 | 3110.00 | -54.58 | RMS | 29.78 | -25.58 | | 0.30 | -95.23 | 36.15 | -13.00 | -41.58 | Horizontal |



Site : 03CH12-HY
 Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical
 : LTE Band 13 10M Ch23230 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp | \Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|-----|--------|--------|--------|--------|--------|----------|
| | MHz | dBm | | dB/m | dB | | dB | dB | dBuV | dBm | dB | |
| 1 | 1555.00 | -60.07 | RMS | 25.60 | -28.45 | | 0.61 | -95.23 | 37.40 | -13.00 | -47.07 | Vertical |
| 2 | 2333.00 | -52.68 | RMS | 27.23 | -27.00 | | 0.42 | -95.23 | 41.90 | -13.00 | -39.68 | Vertical |
| 3 | 3110.00 | -54.18 | RMS | 29.78 | -25.58 | | 0.30 | -95.23 | 36.55 | -13.00 | -41.18 | Vertical |

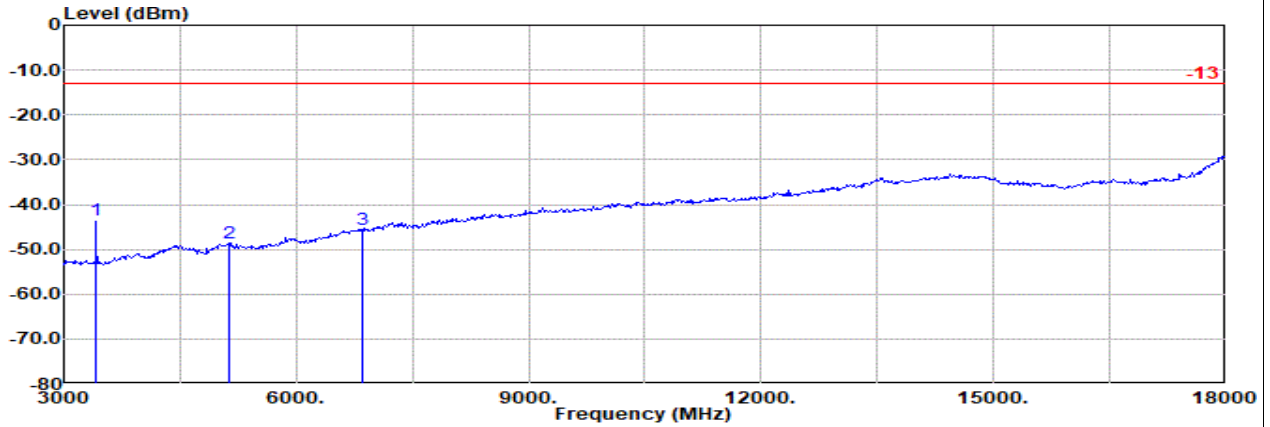


Main

Part 27L Mode 1

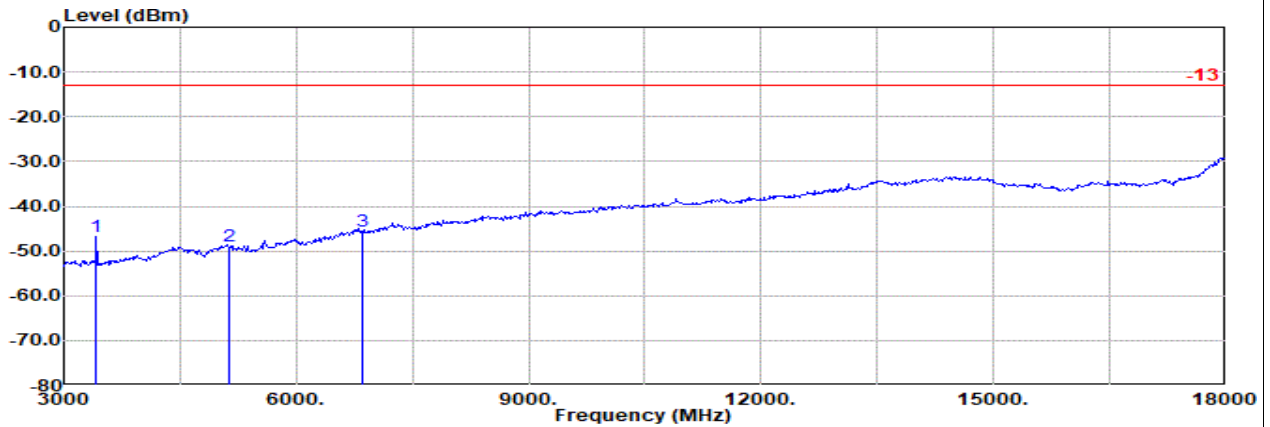
LTE B4 20M Ch20050 1RB0 QPSK

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 4 20M Ch20050 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|--------|--------|---------|--------|--------|------------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 3422.00 | -43.52 | RMS | 29.74 | -24.56 | 1.20 | -95.23 | 45.33 | -13.00 | -30.52 | Horizontal |
| 2 | 5133.00 | -48.57 | RMS | 33.30 | -23.67 | 0.68 | -95.23 | 36.35 | -13.00 | -35.57 | Horizontal |
| 3 | 6844.00 | -45.54 | RMS | 36.19 | -22.53 | 0.73 | -95.23 | 35.30 | -13.00 | -32.54 | Horizontal |



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 4 20M Ch20050 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|--------|--------|---------|--------|--------|----------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 3422.00 | -46.89 | RMS | 29.74 | -24.56 | 1.20 | -95.23 | 41.96 | -13.00 | -33.89 | Vertical |
| 2 | 5133.00 | -48.90 | RMS | 33.30 | -23.67 | 0.68 | -95.23 | 36.02 | -13.00 | -35.90 | Vertical |
| 3 | 6844.00 | -45.49 | RMS | 36.19 | -22.53 | 0.73 | -95.23 | 35.35 | -13.00 | -32.49 | Vertical |

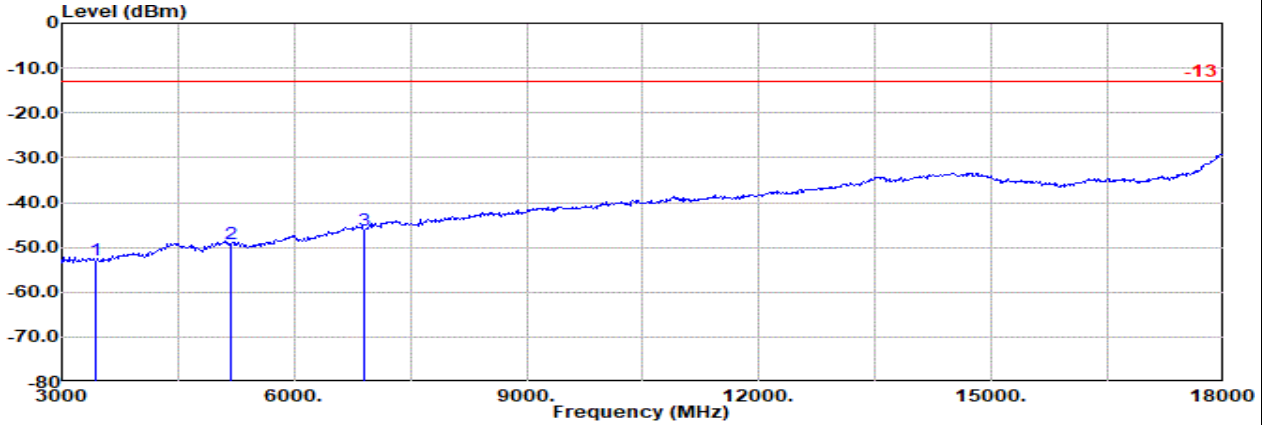


Main

Part 27L Mode 1

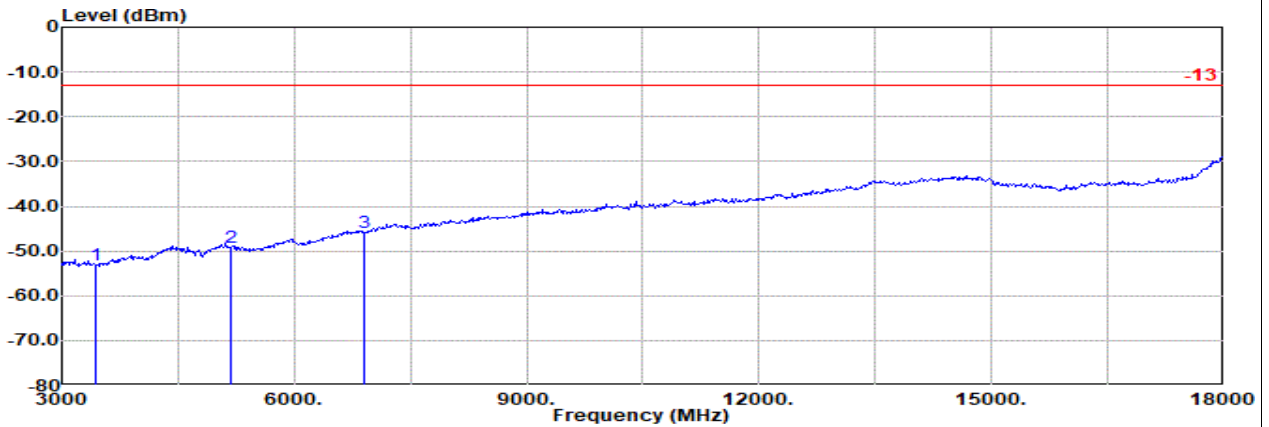
LTE B4 20M Ch20175 1RB0 QPSK

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 4 20M Ch20175 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|--------|--------|---------|--------|--------|------------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 3447.00 | -52.92 | RMS | 29.79 | -24.50 | 1.20 | -95.23 | 35.82 | -13.00 | -39.92 | Horizontal |
| 2 | 5171.00 | -49.32 | RMS | 33.16 | -23.62 | 0.70 | -95.23 | 35.67 | -13.00 | -36.32 | Horizontal |
| 3 | 6894.00 | -46.12 | RMS | 36.02 | -22.52 | 0.72 | -95.23 | 34.89 | -13.00 | -33.12 | Horizontal |



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 4 20M Ch20175 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|--------|--------|---------|--------|--------|----------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 3447.00 | -53.21 | RMS | 29.79 | -24.50 | 1.20 | -95.23 | 35.53 | -13.00 | -40.21 | Vertical |
| 2 | 5171.00 | -49.31 | RMS | 33.16 | -23.62 | 0.70 | -95.23 | 35.68 | -13.00 | -36.31 | Vertical |
| 3 | 6894.00 | -45.79 | RMS | 36.02 | -22.52 | 0.72 | -95.23 | 35.22 | -13.00 | -32.79 | Vertical |

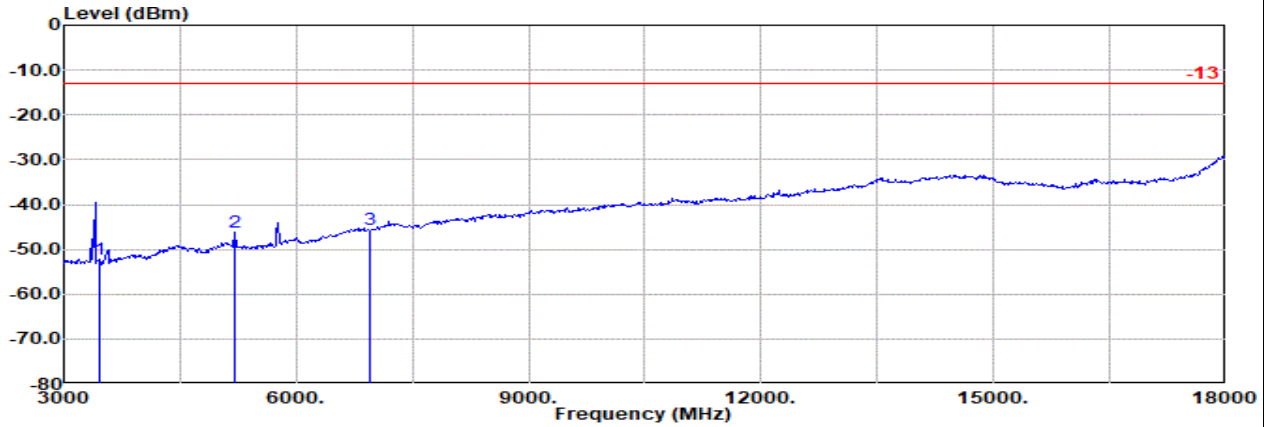


Main

Part 27L Mode 1

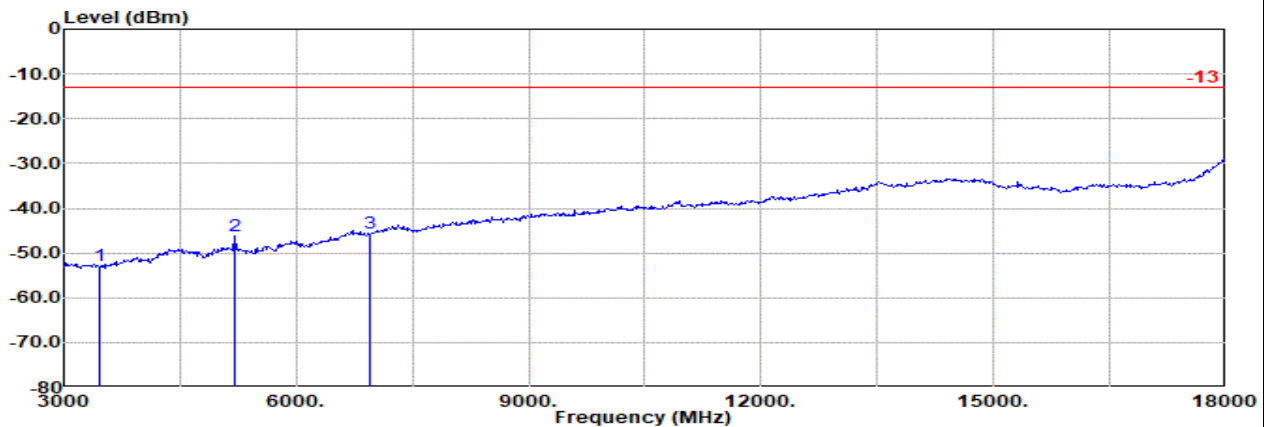
LTE B4 20M Ch20300 1RB0 QPSK

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 4 20M Ch20300 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|--------|--------|---------|--------|--------|------------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 3472.00 | -52.30 | RMS | 29.71 | -24.43 | 1.21 | -95.23 | 36.44 | -13.00 | -39.30 | Horizontal |
| 2 | 5208.00 | -46.10 | RMS | 33.12 | -23.57 | 0.71 | -95.23 | 38.87 | -13.00 | -33.10 | Horizontal |
| 3 | 6944.00 | -45.63 | RMS | 36.00 | -22.51 | 0.71 | -95.23 | 35.40 | -13.00 | -32.63 | Horizontal |



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 4 20M Ch20300 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|--------|--------|---------|--------|--------|----------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 3472.00 | -52.95 | RMS | 29.71 | -24.43 | 1.21 | -95.23 | 35.79 | -13.00 | -39.95 | Vertical |
| 2 | 5208.00 | -46.25 | RMS | 33.12 | -23.57 | 0.71 | -95.23 | 38.72 | -13.00 | -33.25 | Vertical |
| 3 | 6944.00 | -45.67 | RMS | 36.00 | -22.51 | 0.71 | -95.23 | 35.36 | -13.00 | -32.67 | Vertical |

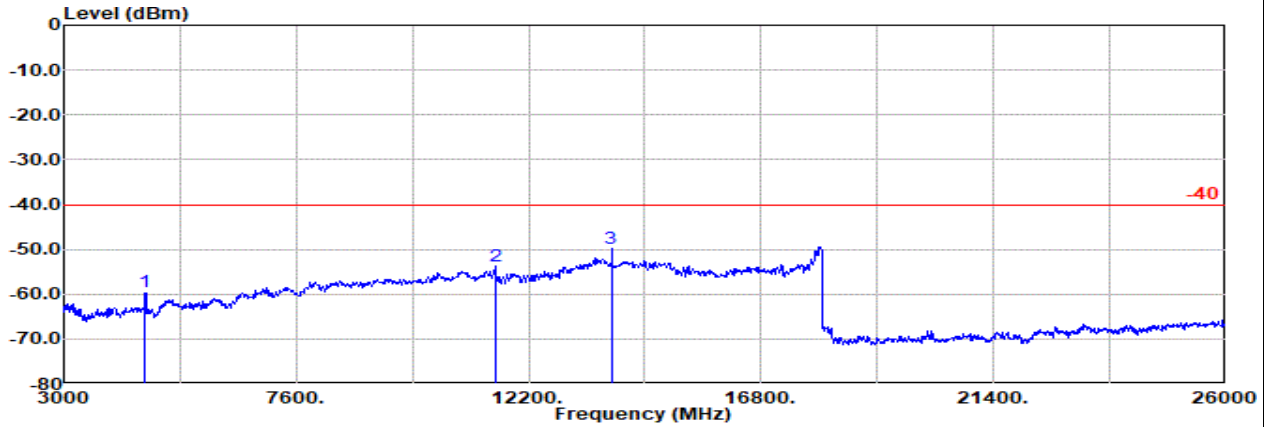


Main

Part 27D Mode 1

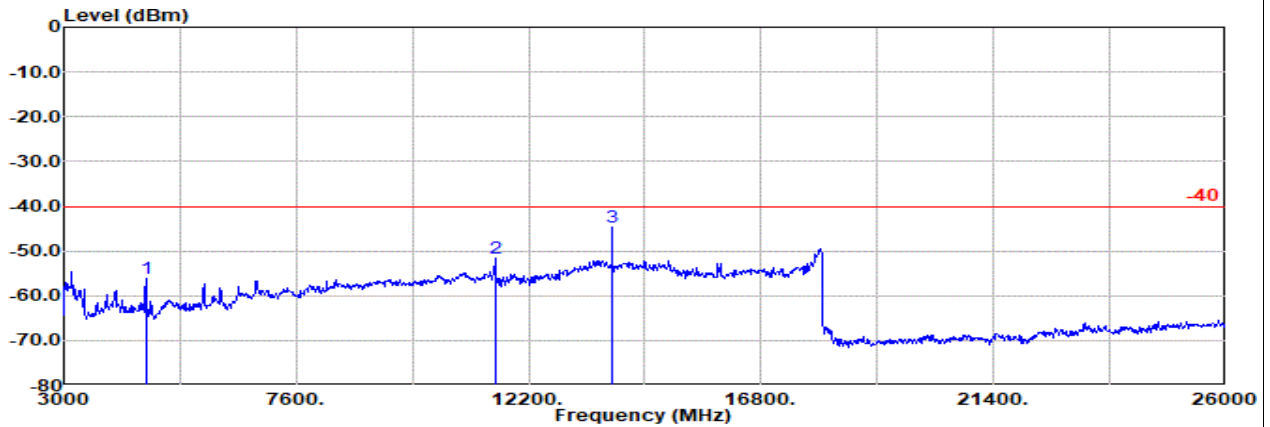
LTE B30 5M Ch27685 1RB0 QPSK

L



Site : 03CH12-HY
 Condition: -40 3m 9120D-02114-230731 Horizontal
 : LTE Band 30 BW5M Ch27685 1RB0 QPSK

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----------|--------|----------|------------|--------|--------|--------|--------|--------|--------|------------|----|
| Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol | |
| MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | dB | |
| 4610.00 | -59.62 | RMS | 31.78 | -57.17 | 0.75 | -95.23 | 60.25 | -40.00 | -19.62 | Horizontal | |
| 11535.00 | -53.72 | RMS | 39.16 | -49.69 | 0.76 | -95.23 | 51.28 | -40.00 | -13.72 | Horizontal | |
| 13832.00 | -49.82 | RMS | 40.40 | -47.64 | 0.75 | -95.23 | 51.90 | -40.00 | -9.82 | Horizontal | |



Site : 03CH12-HY
 Condition: -40 3m 9120D-02114-230731 Vertical
 : LTE Band 30 BW5M Ch27685 1RB0 QPSK

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----------|--------|----------|------------|--------|--------|--------|--------|--------|--------|----------|----|
| Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol | |
| MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | dB | |
| 4620.00 | -56.01 | RMS | 31.76 | -57.15 | 0.75 | -95.23 | 63.86 | -40.00 | -16.01 | Vertical | |
| 11535.00 | -51.49 | RMS | 39.16 | -49.69 | 0.76 | -95.23 | 53.51 | -40.00 | -11.49 | Vertical | |
| 13845.00 | -44.77 | RMS | 40.40 | -47.65 | 0.75 | -95.23 | 56.96 | -40.00 | -4.77 | Vertical | |

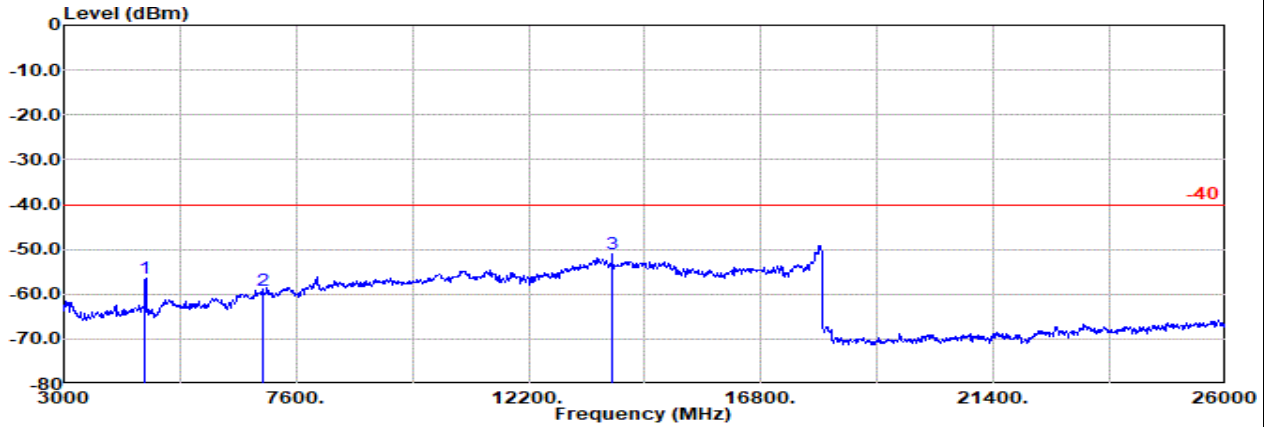


Main

Part 27D Mode 1

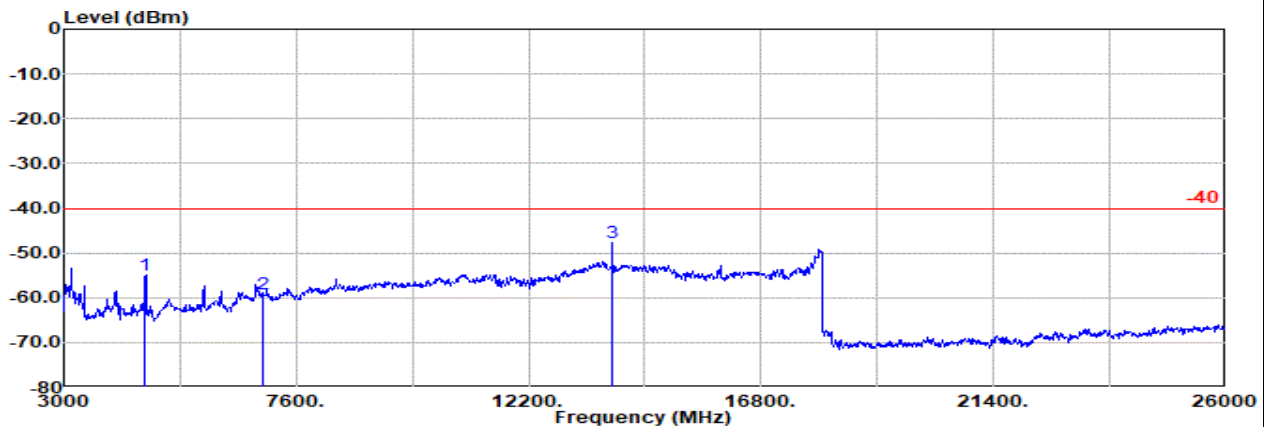
LTE B30 5M Ch27710 1RB0 QPSK

M



Site : 03CH12-HY
 Condition: -40 3m 9120D-02114-230731 Horizontal
 : LTE Band 30 BW5M Ch27710 1RB0 QPSK

| | Freq MHz | Level dBm | Detector | Ant Amp\Cb | | Filter | EIRPCF | Readin g | Limit dBm | Margin dB | Pol |
|---|-------------|--------------|----------|------------|--------|--------|--------|-------------|--------------|--------------|------------|
| | | | | Factor | 1 | | | | | | |
| | | | | dB/m | dB | dB | dB | dBuV | | | |
| 1 | 4616.00 | -56.48 | RMS | 31.77 | -57.16 | 0.75 | -95.23 | 63.39 | -40.00 | -16.48 | Horizontal |
| 2 | 6923.00 | -59.26 | RMS | 36.00 | -53.07 | 0.72 | -95.23 | 52.32 | -40.00 | -19.26 | Horizontal |
| 3 | 13847.00 | -50.98 | RMS | 40.40 | -47.65 | 0.75 | -95.23 | 50.75 | -40.00 | -10.98 | Horizontal |



Site : 03CH12-HY
 Condition: -40 3m 9120D-02114-230731 Vertical
 : LTE Band 30 BW5M Ch27710 1RB0 QPSK

| | Freq MHz | Level dBm | Detector | Ant Amp\Cb | | Filter | EIRPCF | Readin g | Limit dBm | Margin dB | Pol |
|---|-------------|--------------|----------|------------|--------|--------|--------|-------------|--------------|--------------|----------|
| | | | | Factor | 1 | | | | | | |
| | | | | dB/m | dB | dB | dB | dBuV | | | |
| 1 | 4616.00 | -54.91 | RMS | 31.77 | -57.16 | 0.75 | -95.23 | 64.96 | -40.00 | -14.91 | Vertical |
| 2 | 6923.00 | -59.24 | RMS | 36.00 | -53.07 | 0.72 | -95.23 | 52.34 | -40.00 | -19.24 | Vertical |
| 3 | 13847.00 | -47.58 | RMS | 40.40 | -47.65 | 0.75 | -95.23 | 54.15 | -40.00 | -7.58 | Vertical |

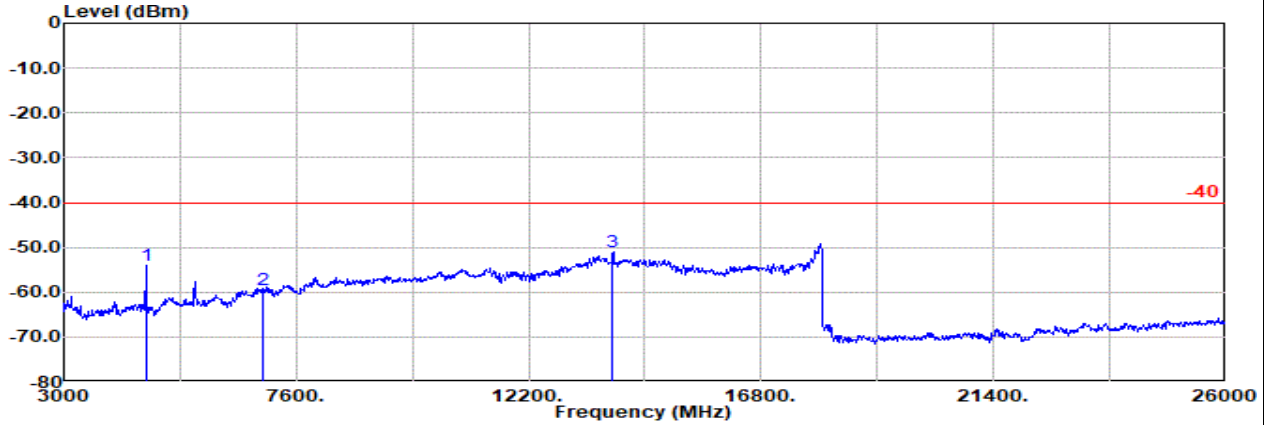


Main

Part 27D Mode 1

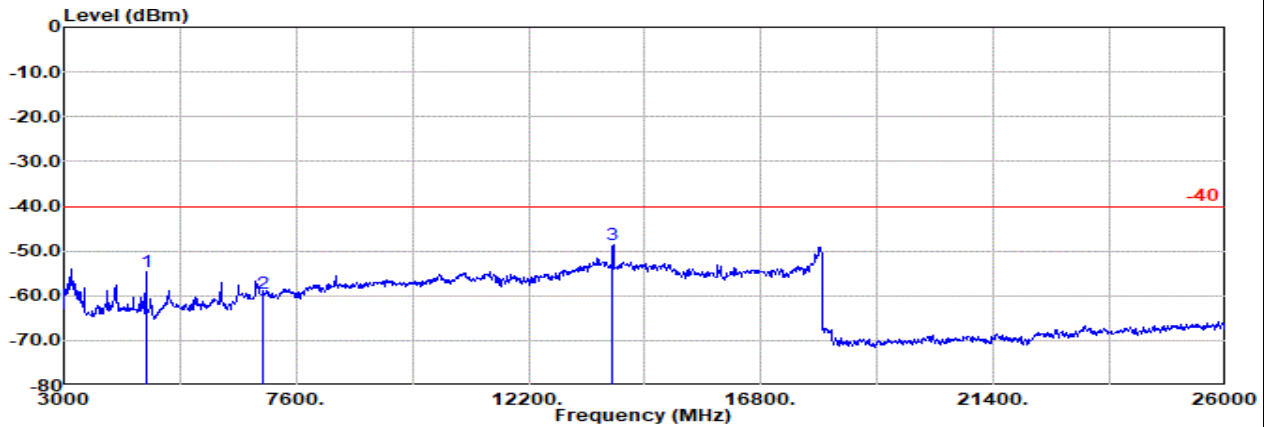
LTE B30 5M Ch27735 1RB0 QPSK

H



Site : 03CH12-HY
 Condition: -40 3m 9120D-02114-230731 Horizontal
 : LTE Band 30 BW5M Ch27735 1RB0 QPSK

| Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|------------|--------|----------|------------|--------|--------|--------|---------|--------|--------|------------|
| MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 4630.00 | -54.15 | RMS | 31.74 | -57.14 | 0.74 | -95.23 | 65.74 | -40.00 | -14.15 | Horizontal |
| 2 6931.00 | -59.39 | RMS | 36.00 | -53.07 | 0.71 | -95.23 | 52.20 | -40.00 | -19.39 | Horizontal |
| 3 13862.00 | -51.06 | RMS | 40.45 | -47.66 | 0.75 | -95.23 | 50.63 | -40.00 | -11.06 | Horizontal |



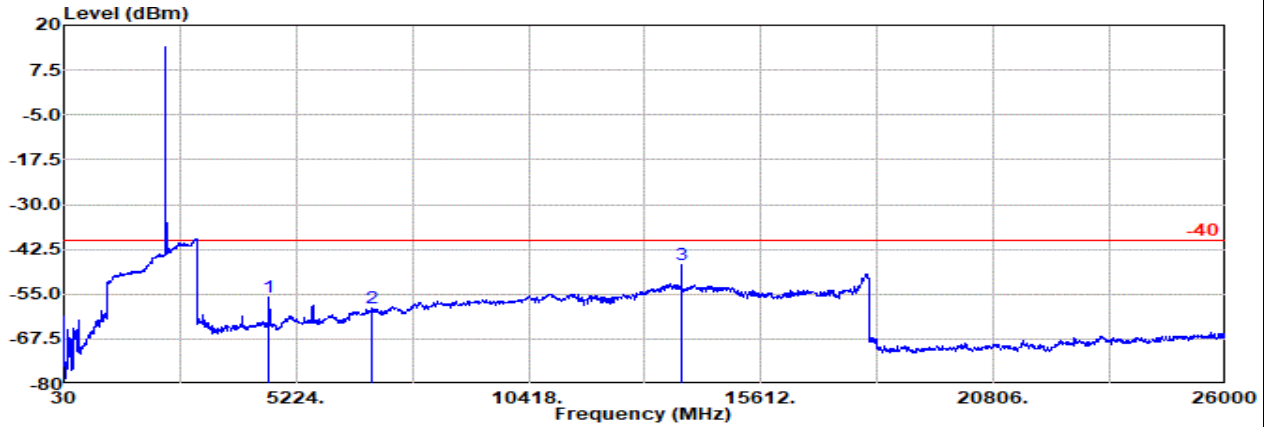
Site : 03CH12-HY
 Condition: -40 3m 9120D-02114-230731 Vertical
 : LTE Band 30 BW5M Ch27735 1RB0 QPSK

| Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|------------|--------|----------|------------|--------|--------|--------|---------|--------|--------|----------|
| MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 4630.00 | -54.64 | RMS | 31.74 | -57.14 | 0.74 | -95.23 | 65.25 | -40.00 | -14.64 | Vertical |
| 2 6931.00 | -59.34 | RMS | 36.00 | -53.07 | 0.71 | -95.23 | 52.25 | -40.00 | -19.34 | Vertical |
| 3 13862.00 | -48.47 | RMS | 40.45 | -47.66 | 0.75 | -95.23 | 53.22 | -40.00 | -8.47 | Vertical |



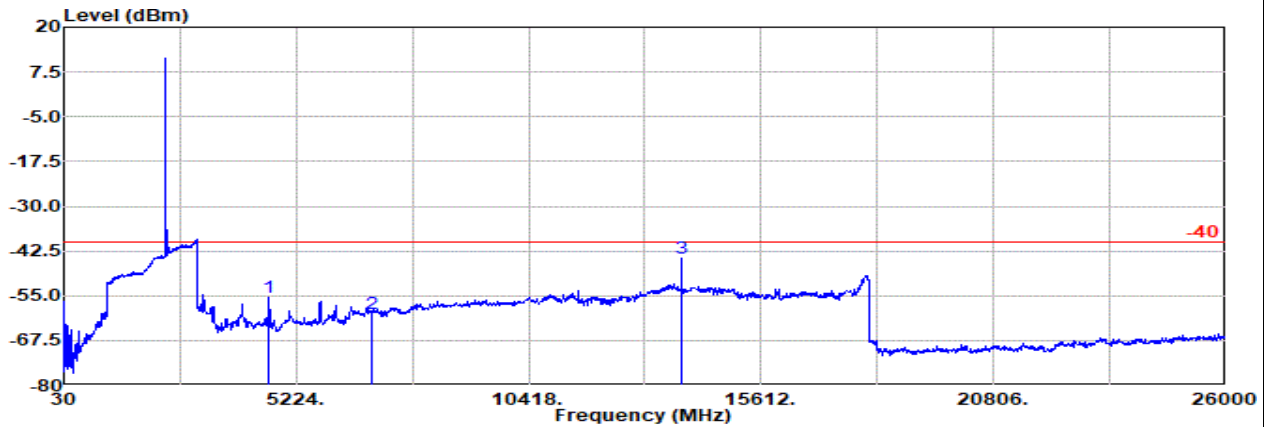
Main

Part 27D Mode 2
LTE B30 10M Ch27710 1RB0 QPSK
M



Site : 03CH12-HY
Condition: -40 3m 9120D-02114-230731 Horizontal
: LTE Band 30 BW10M Ch27710 1RB0 QPSK

| Freq | Level | Detector | Ant Factor | Amp\Cb | Filter 1 | EIRPCF | Readin | Limit | Margin | Pol |
|------------|--------|----------|------------|--------|----------|--------|--------|--------|--------|------------|
| MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 4620.00 | -55.98 | RMS | 31.76 | -57.15 | 0.75 | -95.23 | 63.89 | -40.00 | -15.98 | Horizontal |
| 2 6915.00 | -59.03 | RMS | 36.00 | -53.07 | 0.72 | -95.23 | 52.55 | -40.00 | -19.03 | Horizontal |
| 3 13845.00 | -46.94 | RMS | 40.40 | -47.65 | 0.75 | -95.23 | 54.79 | -40.00 | -6.94 | Horizontal |



Site : 03CH12-HY
Condition: -40 3m 9120D-02114-230731 Vertical
: LTE Band 30 BW10M Ch27710 1RB0 QPSK

| Freq | Level | Detector | Ant Factor | Amp\Cb | Filter 1 | EIRPCF | Readin | Limit | Margin | Pol |
|------------|--------|----------|------------|--------|----------|--------|--------|--------|--------|----------|
| MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 4620.00 | -55.48 | RMS | 31.76 | -57.15 | 0.75 | -95.23 | 64.39 | -40.00 | -15.48 | Vertical |
| 2 6915.00 | -59.90 | RMS | 36.00 | -53.07 | 0.72 | -95.23 | 51.68 | -40.00 | -19.90 | Vertical |
| 3 13845.00 | -44.56 | RMS | 40.40 | -47.65 | 0.75 | -95.23 | 57.17 | -40.00 | -4.56 | Vertical |

Remark: The limit signal before #1 is fundamental signal which can be ignored.

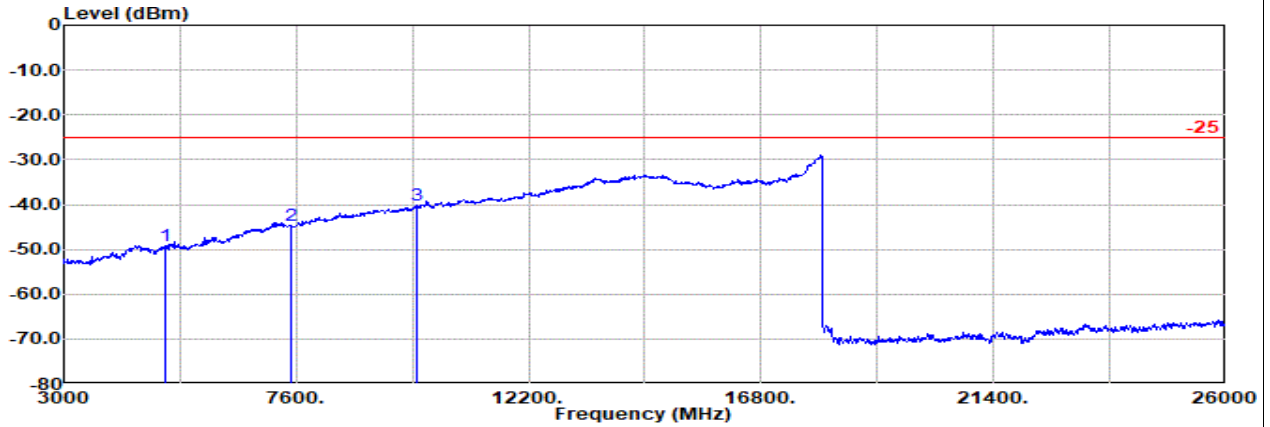


Main

Part 27M Mode 1

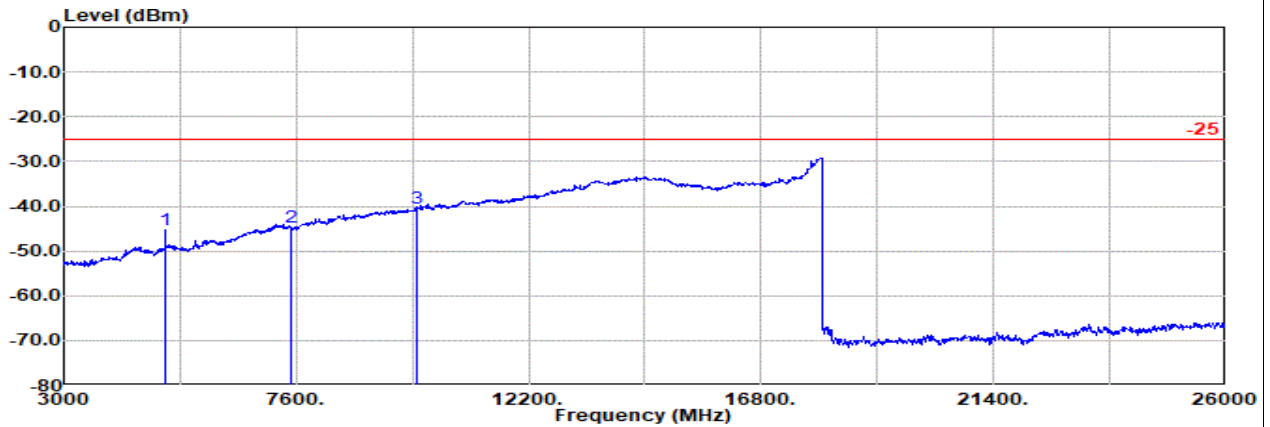
LTE B7 20M Ch20850 1RB0 QPSK

L



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Horizontal
 : LTE Band 7 20M Ch20850 1RB0 QPSK

| Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|------------|--------|----------|------------|--------|--------|--------|---------|--------|--------|------------|
| MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 5002.00 | -49.17 | RMS | 33.21 | -23.86 | 0.63 | -95.23 | 36.08 | -25.00 | -24.17 | Horizontal |
| 2 7503.00 | -44.69 | RMS | 36.49 | -22.19 | 0.71 | -95.23 | 35.53 | -25.00 | -19.69 | Horizontal |
| 3 10004.00 | -40.11 | RMS | 38.61 | -20.37 | 0.78 | -95.23 | 36.10 | -25.00 | -15.11 | Horizontal |



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Vertical
 : LTE Band 7 20M Ch20850 1RB0 QPSK

| Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|------------|--------|----------|------------|--------|--------|--------|---------|--------|--------|----------|
| MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 5002.00 | -45.31 | RMS | 33.21 | -23.86 | 0.63 | -95.23 | 39.94 | -25.00 | -20.31 | Vertical |
| 2 7503.00 | -44.79 | RMS | 36.49 | -22.19 | 0.71 | -95.23 | 35.43 | -25.00 | -19.79 | Vertical |
| 3 10004.00 | -40.50 | RMS | 38.61 | -20.37 | 0.78 | -95.23 | 35.71 | -25.00 | -15.50 | Vertical |

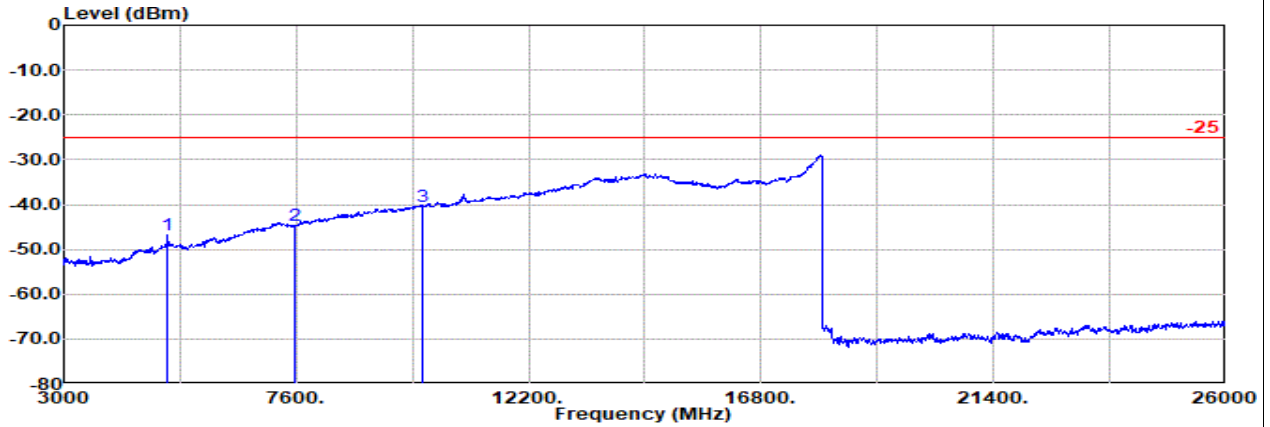


Main

Part 27M Mode 1

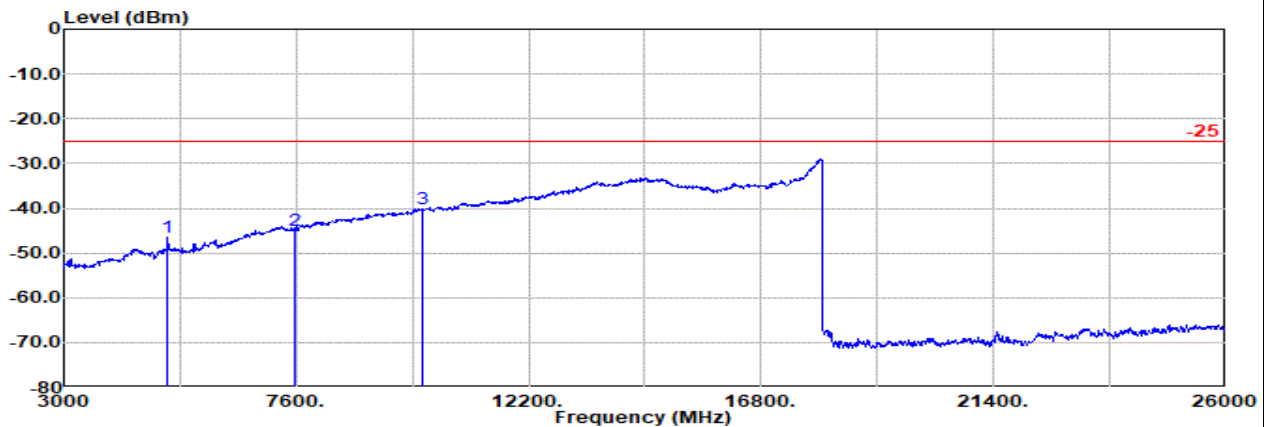
LTE B7 20M Ch21100 1RB0 QPSK

M



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Horizontal
 : LTE Band 7 20M Ch21100 1RB0 QPSK

| | Freq MHz | Level dBm | Detector | Ant Amp\Cb Filter | | EIRPCF | Readin g | Limit dBm | Margin dB | Pol | |
|---|-------------|--------------|----------|-------------------|--------|--------|-------------|--------------|--------------|--------|------------|
| | | | | Factor | 1 | | | | | | |
| 1 | 5052.00 | -46.92 | RMS | 33.40 | -23.79 | 0.65 | -95.23 | 38.05 | -25.00 | -21.92 | Horizontal |
| 2 | 7578.00 | -44.55 | RMS | 36.40 | -22.17 | 0.76 | -95.23 | 35.69 | -25.00 | -19.55 | Horizontal |
| 3 | 10104.00 | -40.53 | RMS | 38.71 | -20.25 | 0.78 | -95.23 | 35.46 | -25.00 | -15.53 | Horizontal |



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Vertical
 : LTE Band 7 20M Ch21100 1RB0 QPSK

| | Freq MHz | Level dBm | Detector | Ant Amp\Cb Filter | | EIRPCF | Readin g | Limit dBm | Margin dB | Pol | |
|---|-------------|--------------|----------|-------------------|--------|--------|-------------|--------------|--------------|--------|----------|
| | | | | Factor | 1 | | | | | | |
| 1 | 5052.00 | -46.37 | RMS | 33.40 | -23.79 | 0.65 | -95.23 | 38.60 | -25.00 | -21.37 | Vertical |
| 2 | 7578.00 | -44.96 | RMS | 36.40 | -22.17 | 0.76 | -95.23 | 35.28 | -25.00 | -19.96 | Vertical |
| 3 | 10104.00 | -40.27 | RMS | 38.71 | -20.25 | 0.78 | -95.23 | 35.72 | -25.00 | -15.27 | Vertical |

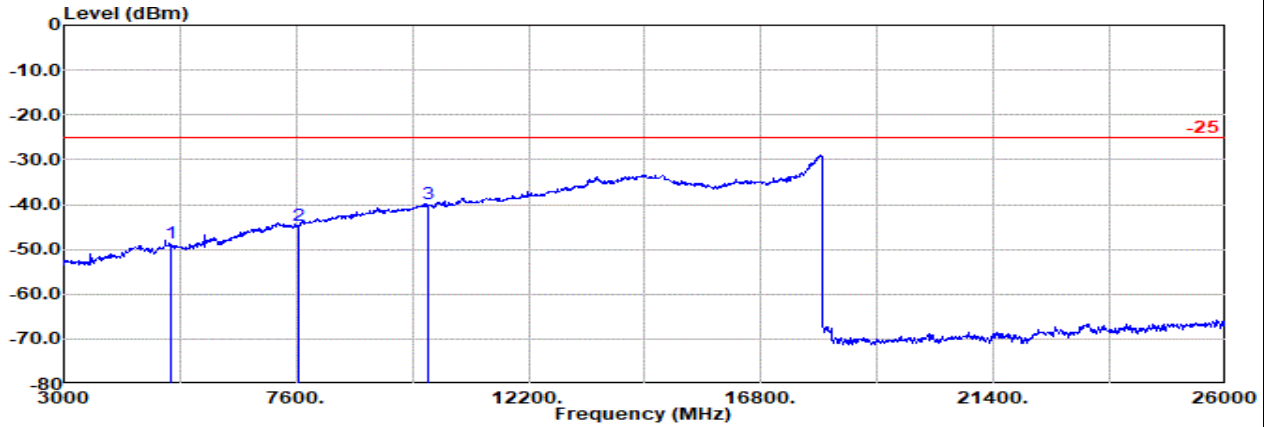


Main

Part 27M Mode 1

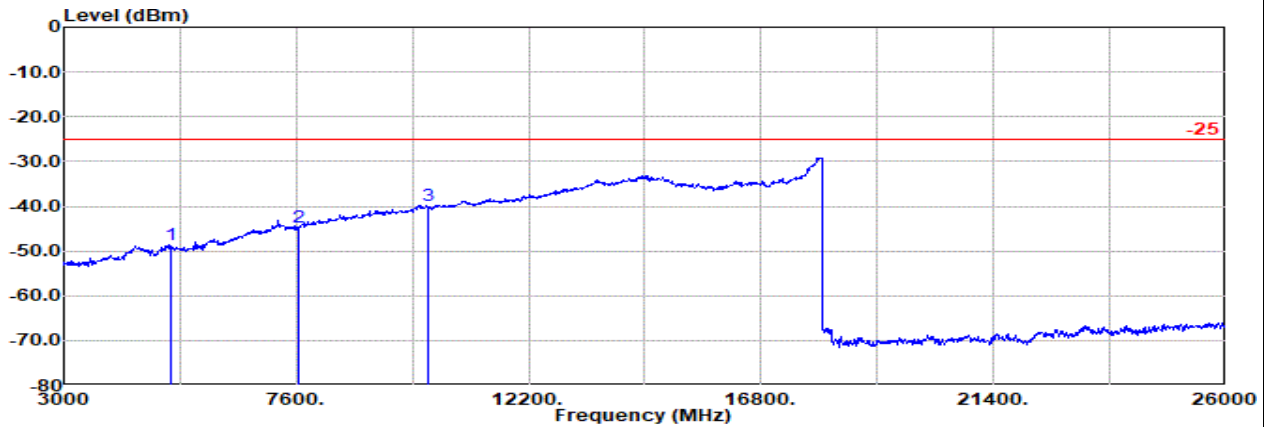
LTE B7 20M Ch21350 1RB0 QPSK

H



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Horizontal
 : LTE Band 7 20M Ch21350 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|----------|--------|----------|------------|--------|--------|--------|---------|--------|--------|------------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 5102.00 | -48.73 | RMS | 33.49 | -23.72 | 0.67 | -95.23 | 36.06 | -25.00 | -23.73 | Horizontal |
| 2 | 7653.00 | -44.62 | RMS | 36.51 | -22.17 | 0.80 | -95.23 | 35.47 | -25.00 | -19.62 | Horizontal |
| 3 | 10204.00 | -39.81 | RMS | 38.99 | -20.12 | 0.78 | -95.23 | 35.77 | -25.00 | -14.81 | Horizontal |



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Vertical
 : LTE Band 7 20M Ch21350 1RB0 QPSK

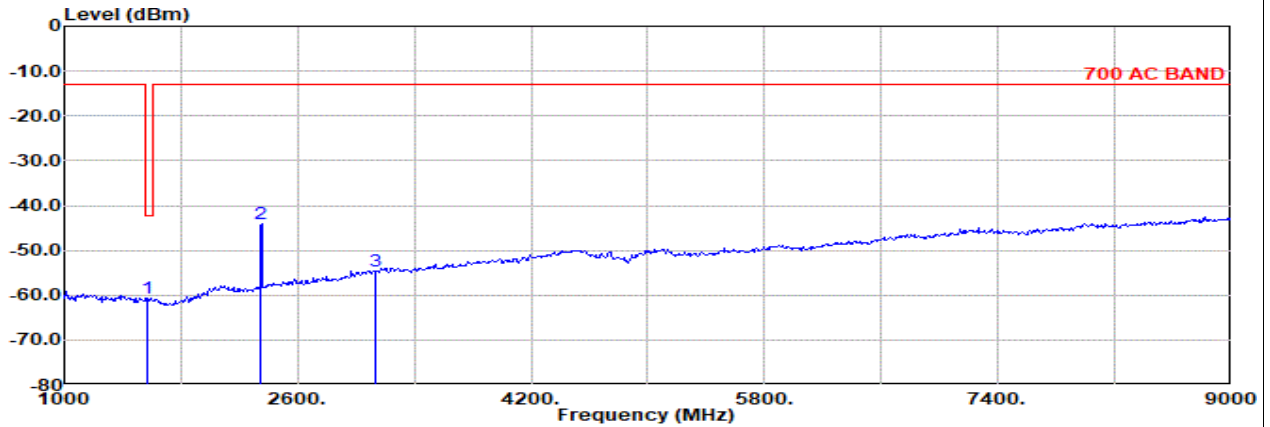
| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|----------|--------|----------|------------|--------|--------|--------|---------|--------|--------|----------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 5102.00 | -48.75 | RMS | 33.49 | -23.72 | 0.67 | -95.23 | 36.04 | -25.00 | -23.75 | Vertical |
| 2 | 7653.00 | -44.71 | RMS | 36.51 | -22.17 | 0.80 | -95.23 | 35.38 | -25.00 | -19.71 | Vertical |
| 3 | 10204.00 | -39.74 | RMS | 38.99 | -20.12 | 0.78 | -95.23 | 35.84 | -25.00 | -14.74 | Vertical |



<Sample 2>

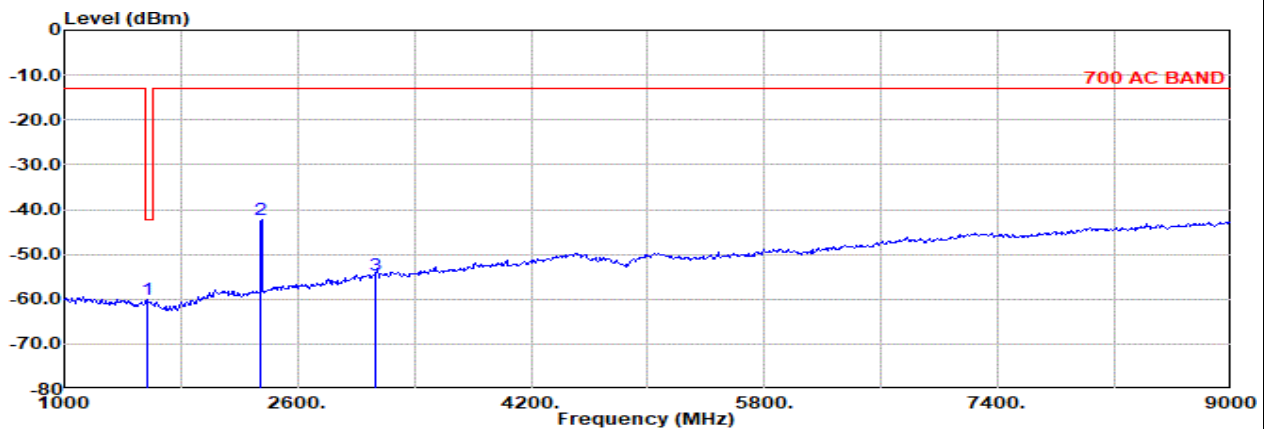
Main

Part 27F Mode 3
LTE B13 5M Ch23255 1RB0 QPSK
H



Site : 03CH12-HY
Condition: 700 AC BAND 3m 9120D-02114-230731 Horizontal
: LTE Band 13 5M Ch23255 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp | \Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|------|--------|--------|--------|--------|------------|-----|
| | MHz | dBm | | dB/m | dB | | dB | dB | dBuV | dBm | dB | dB |
| 1 | 1564.00 | -60.60 | RMS | 25.60 | -28.43 | 0.60 | -95.23 | 36.86 | -42.15 | -18.45 | Horizontal | |
| 2 | 2347.00 | -43.96 | RMS | 27.30 | -26.98 | 0.42 | -95.23 | 50.53 | -13.00 | -30.96 | Horizontal | |
| 3 | 3129.00 | -54.61 | RMS | 29.74 | -25.52 | 0.30 | -95.23 | 36.10 | -13.00 | -41.61 | Horizontal | |



Site : 03CH12-HY
Condition: 700 AC BAND 3m 9120D-02114-230731 Vertical
: LTE Band 13 5M Ch23255 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp | \Cb | Filter | EIRPCF | Readin | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|------|--------|--------|--------|--------|----------|-----|
| | MHz | dBm | | dB/m | dB | | dB | dB | dBuV | dBm | dB | dB |
| 1 | 1564.00 | -60.02 | RMS | 25.60 | -28.43 | 0.60 | -95.23 | 37.44 | -42.15 | -17.87 | Vertical | |
| 2 | 2347.00 | -42.27 | RMS | 27.30 | -26.98 | 0.42 | -95.23 | 52.22 | -13.00 | -29.27 | Vertical | |
| 3 | 3129.00 | -54.64 | RMS | 29.74 | -25.52 | 0.30 | -95.23 | 36.07 | -13.00 | -41.64 | Vertical | |

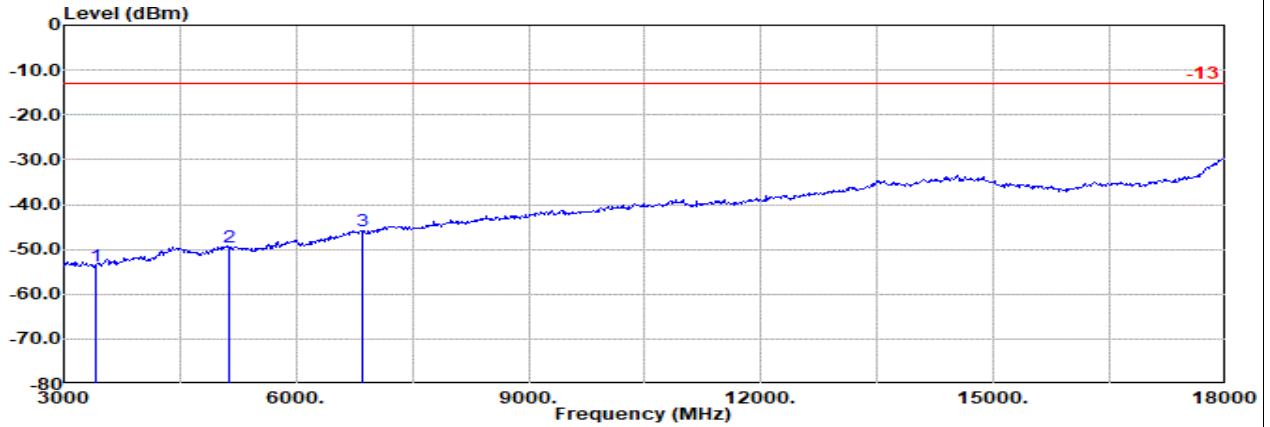


Main

Part 27L Mode 2

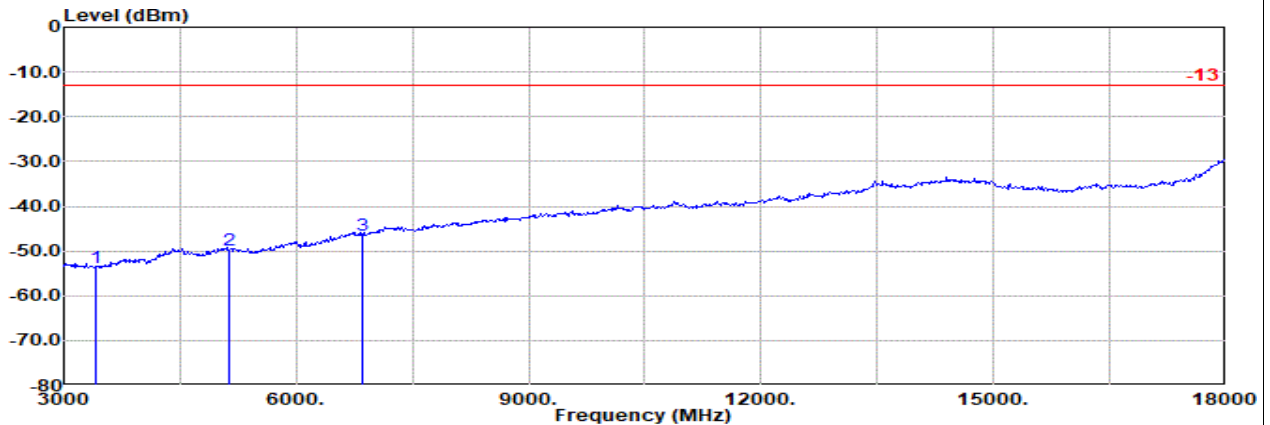
LTE B4 20M Ch20050 1RB0 QPSK

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 4 20M Ch20050 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|--------|--------|---------|--------|--------|------------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 3422.00 | -53.77 | RMS | 29.74 | -24.56 | 1.20 | -95.23 | 35.08 | -13.00 | -40.77 | Horizontal |
| 2 | 5133.00 | -49.48 | RMS | 33.30 | -23.67 | 0.68 | -95.23 | 35.44 | -13.00 | -36.48 | Horizontal |
| 3 | 6844.00 | -45.87 | RMS | 36.19 | -22.53 | 0.73 | -95.23 | 34.97 | -13.00 | -32.87 | Horizontal |



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 4 20M Ch20050 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|---------|--------|----------|------------|--------|--------|--------|---------|--------|--------|----------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 3422.00 | -53.75 | RMS | 29.74 | -24.56 | 1.20 | -95.23 | 35.10 | -13.00 | -40.75 | Vertical |
| 2 | 5133.00 | -49.83 | RMS | 33.30 | -23.67 | 0.68 | -95.23 | 35.09 | -13.00 | -36.83 | Vertical |
| 3 | 6844.00 | -46.51 | RMS | 36.19 | -22.53 | 0.73 | -95.23 | 34.33 | -13.00 | -33.51 | Vertical |

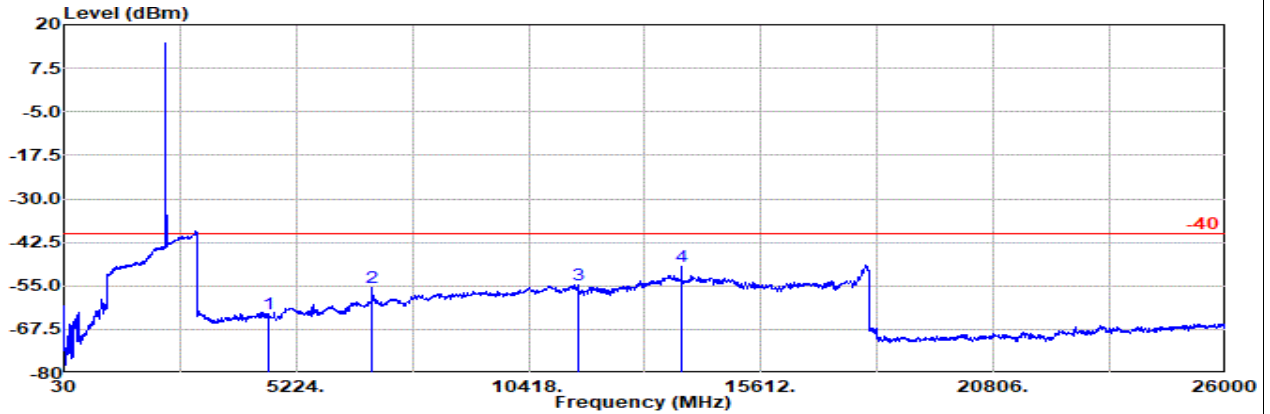


Main

Part 27D Mode 3

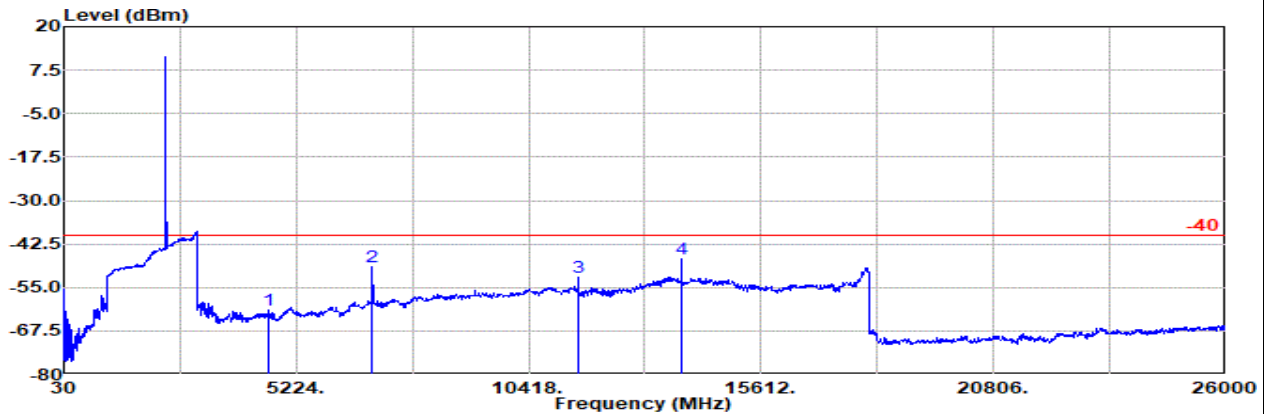
LTE B30 10M Ch27710 1RB0 QPSK

M



Site : 03CH12-HY
 Condition: -40 3m 9120D-02114-230731 Horizontal
 : LTE Band 30 BW10M Ch27710 1RB0 QPSK

| 1 | 2 | 3 | 4 | | | | | | | |
|----------|--------|----------|-------------------|--------|--------|--------|--------|--------|--------|------------|
| Freq | Level | Detector | Ant Amp\Cb Filter | EIRPCF | Readin | Limit | Margin | Pol | | |
| MHz | dBm | | Factor | dB | dB | dB | dB | dB | | |
| 4611.00 | -63.03 | RMS | 31.78 | -57.17 | 0.75 | -95.23 | 56.84 | -40.00 | -23.03 | Horizontal |
| 6916.00 | -55.53 | RMS | 36.00 | -53.07 | 0.72 | -95.23 | 56.05 | -40.00 | -15.53 | Horizontal |
| 11527.00 | -54.69 | RMS | 39.19 | -49.69 | 0.76 | -95.23 | 50.28 | -40.00 | -14.69 | Horizontal |
| 13833.00 | -49.38 | RMS | 40.40 | -47.64 | 0.75 | -95.23 | 52.34 | -40.00 | -9.38 | Horizontal |



Site : 03CH12-HY
 Condition: -40 3m 9120D-02114-230731 Vertical
 : LTE Band 30 BW10M Ch27710 1RB0 QPSK

| 1 | 2 | 3 | 4 | | | | | | | |
|----------|--------|----------|-------------------|--------|--------|--------|--------|--------|--------|----------|
| Freq | Level | Detector | Ant Amp\Cb Filter | EIRPCF | Readin | Limit | Margin | Pol | | |
| MHz | dBm | | Factor | dB | dB | dB | dB | dB | | |
| 4611.00 | -61.34 | RMS | 31.78 | -57.17 | 0.75 | -95.23 | 58.53 | -40.00 | -21.34 | Vertical |
| 6916.00 | -48.92 | RMS | 36.00 | -53.07 | 0.72 | -95.23 | 62.66 | -40.00 | -8.92 | Vertical |
| 11527.00 | -52.21 | RMS | 39.19 | -49.69 | 0.76 | -95.23 | 52.76 | -40.00 | -12.21 | Vertical |
| 13833.00 | -46.83 | RMS | 40.40 | -47.64 | 0.75 | -95.23 | 54.89 | -40.00 | -6.83 | Vertical |

Remark: The limit signal before #1 is fundamental signal which can be ignored.

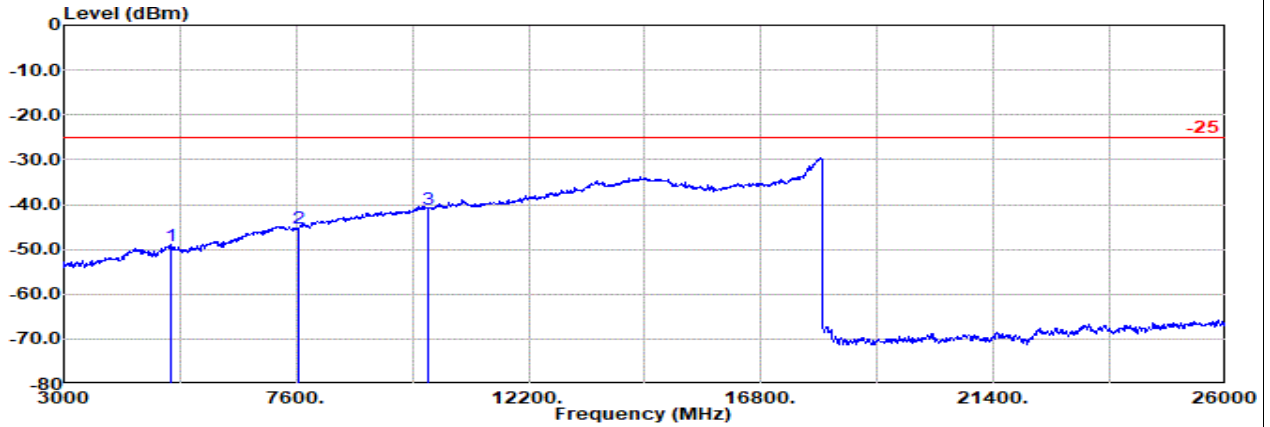


Main

Part 27M Mode 2

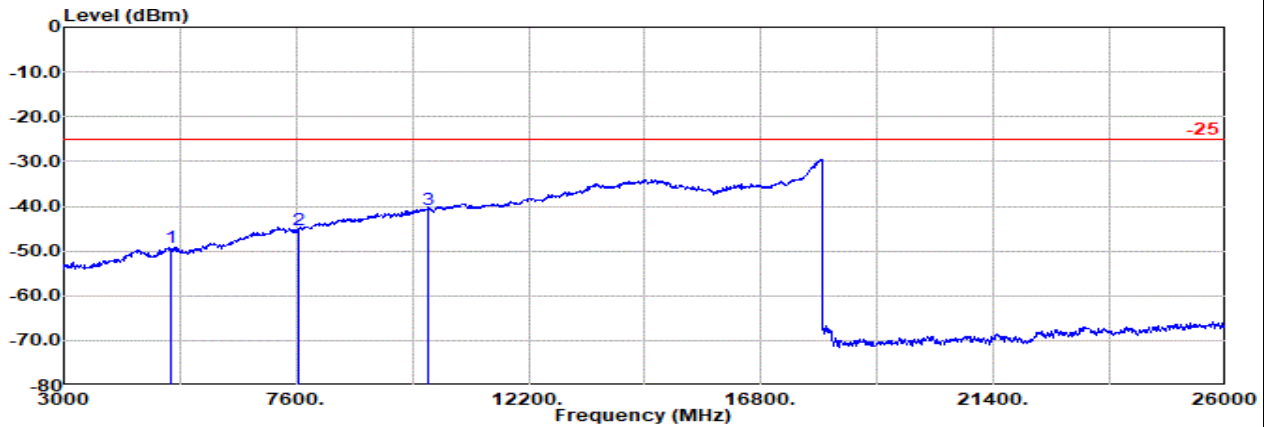
LTE B7 20M Ch21350 1RB0 QPSK

H



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Horizontal
 : LTE Band 7 20M Ch21350 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|----------|--------|----------|------------|--------|--------|--------|---------|--------|--------|------------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 5102.00 | -49.36 | RMS | 33.49 | -23.72 | 0.67 | -95.23 | 35.43 | -25.00 | -24.36 | Horizontal |
| 2 | 7653.00 | -45.42 | RMS | 36.51 | -22.17 | 0.80 | -95.23 | 34.67 | -25.00 | -20.42 | Horizontal |
| 3 | 10204.00 | -40.96 | RMS | 38.99 | -20.12 | 0.78 | -95.23 | 34.62 | -25.00 | -15.96 | Horizontal |



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Vertical
 : LTE Band 7 20M Ch21350 1RB0 QPSK

| | Freq | Level | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol |
|---|----------|--------|----------|------------|--------|--------|--------|---------|--------|--------|----------|
| | MHz | dBm | | dB/m | dB | dB | dB | dBuV | dBm | dB | |
| 1 | 5102.00 | -49.35 | RMS | 33.49 | -23.72 | 0.67 | -95.23 | 35.44 | -25.00 | -24.35 | Vertical |
| 2 | 7653.00 | -45.30 | RMS | 36.51 | -22.17 | 0.80 | -95.23 | 34.79 | -25.00 | -20.30 | Vertical |
| 3 | 10204.00 | -40.62 | RMS | 38.99 | -20.12 | 0.78 | -95.23 | 34.96 | -25.00 | -15.62 | Vertical |