

FCC Test Report

Product Name : WCDMA/LTE Mobile Phone
Trade Name : FIH
Model No. : EA211002, EC211002, EC211003
FCC ID : RYQEA211002

Applicant : FIH CO., LTD.
Address : No.4, Minsheng St., Tu-Cheng Dist.,
New Taipei City 23679, Taiwan

Date of Receipt : May. 18, 2021
Issued Date : Jul. 12, 2021
Report No. : 2150987R-E3042110012
Report Version : V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

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Test Report Certification



Product Name : WCDMA/LTE Mobile Phone
 Applicant : FIH CO., LTD.
 Address : No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan
 Manufacturer : FIH CO., LTD.
 Address : No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan
 Model No. : EA211002, EC211002, EC211003
 Trade name : FIH
 FCC ID : RYQEA211002
 EUT Voltage : DC 5V (adapter or host equipment)
 DC 3.85V for battery
 Testing Voltage : DC 5V
 Applicable Standard : FCC CFR Title 47 Part 22 Subpart H
 FCC CFR Title 47 Part 24 Subpart E
 FCC CFR Title 47 Part 27 Subpart L, Subpart F, Subpart D
 FCC CFR Title 47 Part 90 Subpart R
 ANSI/TIA-603
 Test Lab : Hsin Chu Laboratory
 Address : No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C.
 TEL: +886-3-582-8001 / FAX: +886-3-582-8958
 Test Result : Complied

Documented By :



(Carol Tsai / Senior Engineering Adm. Specialist)

Tested By :



(Scott Chang / Senior Engineer)

Approved By :



(Louis Hsu / Deputy Manager)

The test results relate only to the samples tested.

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Revision History

| Version | Description | Issued Date |
|----------------|-------------------------|--------------------|
| V1.0 | Initial issue of report | Jul. 12, 2021 |
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1. General Information

1.1. EUT Description

| | |
|--------------------------------|---|
| Product Name | WCDMA/LTE Mobile Phone |
| Trade Name | FIH |
| Model No. | EA211002, EC211002, EC211003 |
| Uplink Frequency Range (MHz) | LTE Band 2: 1850~1910 LTE Band 4: 1710~1755 LTE Band 5: 824~849 LTE Band 12: 699~716 LTE Band 14: 788~798 LTE Band 30: 2305~2315 |
| Downlink Frequency Range (MHz) | LTE Band 2: 1930~1990 LTE Band 4: 2110~2155 LTE Band 5: 869~894 LTE Band 12: 729~746 LTE Band 14: 758~768 LTE Band 30: 2350~2360 |
| Bandwidth (MHz) | LTE Band 2: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 4: 1.4 / 3 / 5 / 10 / 15 / 20 LTE Band 5: 1.4 / 3 / 5 / 10 LTE Band 12: 1.4 / 3 / 5 / 10 LTE Band 14: 5 / 10 LTE Band 30: 5 / 10 |
| Modulation | QPSK / 16QAM |
| IMEI No. | 350025200008863 |

| Accessories Information | |
|-------------------------------|--|
| Type C USB Cable | 1pcs, Shielded, 1m |
| Microphone& Earphone Cable | 1pcs, Non-Shielded, 1.5m |
| Power Adapter | MFR: Shenzhen Baijunda Electronic, M/N: UT-592A-5200ZY I/P: AC 100~240V, 50/60Hz, 0.35A O/P: DC 5V, 2.0A 10W |

The difference for each model is shown as below:

| Model No. | Operator Variant | Camera Feature | | Hardware Version | Software Version |
|-----------|------------------|----------------|--------------|------------------|------------------|
| | | Rear Camera | Front Camera | | |
| EA211002 | AT&T | 8MP | 5MP | 2.0 | EA211002_1090U |
| EC211002 | Cricket | 8MP | 5MP | 2.0 | EC211002_1090 |
| EC211003 | Cricket | 8MP | 2MP | 2.0 | EC211003_1090 |

Note:

1. From the above models, model: EA211002 was selected as representative model for the test and its data was recorded in this report.
2. The EUT description is from the customer declaration.

| Antenna Information | | | | | | | | | |
|---------------------|--------------|-------------|-----------|-----------------|------------|------------|-------------|-------------|-------------|
| Ant. No. | Manufacturer | Model No. | Ant. Type | Ant. Gain (dBi) | | | | | |
| | | | | LTE Band 2 | LTE Band 4 | LTE Band 5 | LTE Band 12 | LTE Band 14 | LTE Band 30 |
| 0 | INPAQ | MEBFL01007A | PIFA/LDS | 1.0 | -1.3 | -4.8 | -2.5 | -4.3 | 0.1 |

Note:

1. This WCDMA/LTE Mobile Phone including WLAN 2.4GHz, WLAN 5GHz, Bluetooth and WWAN (WCDMA and LTE) transmitting and receiving functions.
2. Regards to the frequency band operation; the lowest, middle and highest frequency of channel were selected to perform the test, and then shown on this report.
3. The EUT description is from the customer declaration.
4. The device was tested under all bandwidths, RB configurations and modulations, and the worst case was found in QPSK modulation and show in "Spurious Emission at Antenna Terminals" & "Spurious Emission".

1.2. Mode of Operation

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

| Test Mode |
|---------------------|
| Mode 1: LTE Band 2 |
| Mode 2: LTE Band 4 |
| Mode 3: LTE Band 5 |
| Mode 4: LTE Band 12 |
| Mode 5: LTE Band 14 |
| Mode 6: LTE Band 30 |

Note:

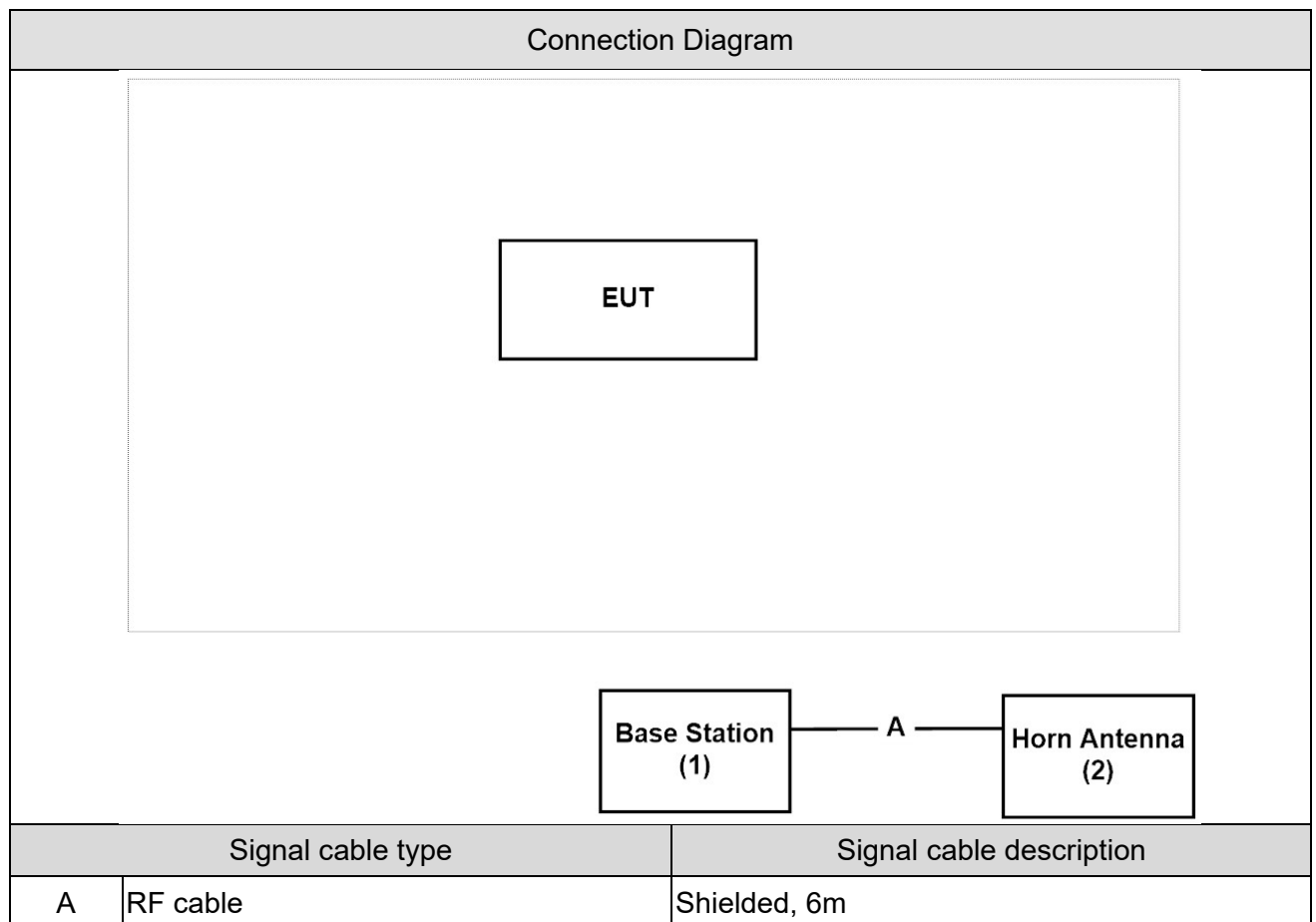
1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The EUT was performed at X axis, Y axis and Z axis position for radiated emission test. The worst case was found at X axis, so the measurement will follow this same test configuration.

1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

| Product | Manufacturer | Model No. | Serial No. | Power Cord |
|----------------|--------------|------------|------------|------------------|
| 1 Base Station | R&S | CMW500 | 157118 | Non-Shielded, 2m |
| 2 Horn Antenna | Schwarzbeck | BBHA 9120D | 1640 | -- |

1.4. Configuration of tested System



1.5. EUT Exercise Software

| | |
|---|---|
| 1 | Set the EUT as shown. |
| 2 | EUT is connected through the base station. |
| 3 | Configure test mode, test channel and data rate. |
| 4 | Let the EUT start sending transmit or receiving continuously. |
| 5 | Verify that device is working properly. |

1.6. Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

2. Technical Test

2.1. Summary of Test Result

- No deviations from the test standards
 Deviations from the test standards as below description:

B2

Uplink: 1850-1910MHz

Downlink: 1930-1990MHz

| LTE B2 | | | |
|---|-----------------------|-----------|--------|
| FCC Part 24 Subpart E | | | |
| Test item | FCC Reference section | FCC Limit | Result |
| RF Output Power | §2.1033 | <2 Watts | Pass |
| | §2.1046 | | |
| | §24.232 | | |
| Occupied Bandwidth | §2.1049 | N/A | Pass |
| Peak-to-average power ratio | §24.232 | <13 dB | Pass |
| Spurious Emissions | §2.1053 | <-13dBm | Pass |
| | §24.238 | | |
| Spurious Emissions at Antenna Terminals | §27.238 | <-13dBm | Pass |
| Frequency Stability | §2.1055 | <±2.5 ppm | Pass |
| | §24.235 | | |

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

B4

Uplink: 1710-1755MHz

Downlink: 2100-2155MHz

| LTE B4 | | | |
|---|-----------------------|-----------|--------|
| FCC Part 27 Subpart L | | | |
| Test item | FCC Reference section | FCC Limit | Result |
| RF Output Power | §2.1033 | <1 Watt | Pass |
| | §2.1046 | | |
| | §27.50 | | |
| Occupied Bandwidth | §2.1049 | N/A | Pass |
| Peak-to-average power ratio | §27.50 | <13 dB | Pass |
| Spurious Emissions | §2.1053 | <-13dBm | Pass |
| | §27.53 | | |
| Spurious Emissions at Antenna Terminals | §27.53 | <-13dBm | Pass |
| Frequency Stability | §2.1055 | <2.5 ppm | Pass |
| | §27.54 | | |

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

B5

Uplink: 824-849MHz

Downlink: 869-894MHz

| LTE B5 | | | |
|---|-----------------------|-----------|--------|
| FCC Part 22 Subpart H | | | |
| Test item | FCC Reference section | FCC Limit | Result |
| RF Output Power | §2.1033 | <7 Watts | Pass |
| | §2.1046 | | |
| | §22.913 | | |
| Occupied Bandwidth | §2.1049 | N/A | Pass |
| Peak-to-average power ratio | §22.913 | <13 dB | Pass |
| Spurious Emissions | §2.1053 | <-13dBm | Pass |
| | §22.917 | | |
| Spurious Emissions at Antenna Terminals | §22.917 | <-13dBm | Pass |
| Frequency Stability | §2.1055 | <±2.5 ppm | Pass |
| | §22.335 | | |

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

B12

Uplink: 699-716MHz

Downlink: 729-746MHz

| LTE B12 | | | |
|---|------------------------------|--------------|--------|
| FCC Part 27 Subpart F | | | |
| Test item | FCC Reference section | FCC Limit | Result |
| RF Output Power | §2.1033 §2.1046 §27.50 | <3 Watts ERP | Pass |
| Occupied Bandwidth | §2.1049 | N/A | Pass |
| Peak-to-average power ratio | §27.50 | <13 dB | Pass |
| Spurious Emissions | §2.1053 §27.53 | <-13dBm | Pass |
| Spurious Emissions at Antenna Terminals | §27.53 | <-13dBm | Pass |
| Frequency Stability | §2.1055 §27.54 | <±2.5 ppm | Pass |

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

B14

Uplink: 788-798MHz

Downlink: 758-768MHz

| LTE B14 | | | |
|---|-----------------------|--------------|--------|
| FCC Part 90 Subpart R | | | |
| Test item | FCC Reference section | FCC Limit | Result |
| RF Output Power | §2.1033 | <3 Watts ERP | Pass |
| | §2.1046 | | |
| | §90.542 | | |
| Occupied Bandwidth | §2.1049 | N/A | Pass |
| Peak-to-average power ratio | §27.50 | <13 dB | Pass |
| Spurious Emissions | §2.1053 | <-13dBm | Pass |
| | §90.543 | | |
| Spurious Emissions at Antenna Terminals | §90.543 | <-35dBm | Pass |
| Frequency Stability | §2.1055 | <±2.5 ppm | Pass |
| | §90.543 | | |

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

B30

Uplink: 2305~2315MHz

Downlink: 2350~2360MHz

| LTE B30 | | | |
|--|------------------------------|--|--------|
| FCC Part 27 Subpart D | | | |
| Test item | FCC Reference section | FCC Limit | Result |
| RF Output Power | §2.1033 §2.1046 §27.50 | <250 mW pwithin any 5 MHz bandwidth in average value EIRP: <50 mW pwithin any 1 MHz bandwidth in average value | Pass |
| Occupied Bandwidth | §2.1049 | N/A | Pass |
| Peak-to-average power ratio | §27.50 | <13 dB | Pass |
| Spurious Emissions | §2.1053 §27.53 | <-40dBm | Pass |
| Spurious Emissions at Antenna Terminals | §27.53 | <-40dBm | Pass |
| Frequency Stability | §2.1055 §27.54 | <±2.5 ppm | Pass |

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.2. Test Environment

| Items | Required | Test Site |
|------------------|----------|-----------|
| Temperature (°C) | 15-35 | 2 |
| Humidity (%RH) | 25-75 | |

Note: Test site information refers to Laboratory Information.

Laboratory Information

USA : FCC Registration Number: TW3024
Canada : IC Registration Number: 22397-1 / 22397-2 / 22397-3

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: <http://www.dekra.com.tw>

If you have any comments, please don't hesitate to contact us. Our test sites as below:

| | |
|-----------------|--|
| Test Laboratory | DEKRA Testing and Certification Co., Ltd. |
| Address | 1. No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. 2. No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. |
| Phone number | 1. +886-3-582-8001 2. +886-3-582-8001 |
| Fax number | 1. +886-3-582-8958 2. +886-3-582-8958 |
| E mail address | info.tw@dekra.com |
| Website | http://www.dekra.com.tw |

2.3. List of Test Equipment

Conducted

| Instrument | Manufacturer | Model No. | Serial No. | Cal. Date | Next Cal. Date |
|--|--------------|-----------|------------|------------|----------------|
| High Speed Peak Power Meter Dual Input | Anritsu | ML2496A | 1602004 | 2020/11/30 | 2021/11/29 |
| Pulse Power Sensor | Anritsu | MA2411B | 1531043 | 2020/11/30 | 2021/11/29 |
| EXA Signal Analyzer | Keysight | N9010A | MY51440132 | 2021/01/25 | 2022/01/24 |
| Pulse Power Sensor | Anritsu | MA2411B | 1531044 | 2020/11/30 | 2021/11/29 |
| Power Meter | Keysight | 8990B | MY51000248 | 2021/05/21 | 2022/05/20 |
| Power Sensor | Keysight | N1923A | MY57240005 | 2021/05/21 | 2022/05/20 |
| Spectrum Analyzer | Keysight | N9030B | MY57140404 | 2021/05/14 | 2022/05/13 |
| Spectrum Analyzer | Keysight | N9010B | MY57110159 | 2021/03/29 | 2022/03/28 |
| Wideband Radio Communication Tester | R&S | CMW500 | 106071 | 2021/01/27 | 2022/01/26 |
| Wireless Conn. Tseter | R&S | CMW500 | 157118 | 2020/07/23 | 2021/07/22 |
| Spectrum Analyzer | Agilent | N9010A | US47140172 | 2020/06/18 | 2021/06/17 |

Radiated

| Instrument | Manufacturer | Model No. | Serial No. | Cal. Date | Next Cal. Date |
|-------------------------------------|--------------|-------------|------------|------------|----------------|
| Signal Analyzer | R&S | FSVA40 | 101455 | 2020/10/12 | 2021/10/11 |
| Signal & Spectrum Analyzer | R&S | FSV40 | 101049 | 2021/03/31 | 2022/03/30 |
| Signal Analyzer | R&S | FSVA40 | 101435 | 2020/06/24 | 2021/06/23 |
| EXA Signal Analyzer | Keysight | N9010A | MY51440132 | 2021/01/25 | 2022/01/24 |
| Bilog Antenna | Teseq | CBL6112D | 23191 | 2021/02/26 | 2022/02/25 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 639 | 2020/06/04 | 2021/06/03 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | 202 | 2020/12/16 | 2021/12/15 |
| Pre-Amplifier | EMCI | EMC01820I | 980365 | 2020/06/19 | 2021/06/18 |
| Pre-Amplifier | EMEC | EM01G18GA | 060741 | 2020/07/24 | 2021/07/23 |
| Pre-Amplifier | DEKRA | AP-400C | 201801231 | 2020/11/16 | 2021/11/15 |
| Wideband Radio Communication Tester | R&S | CMW500 | 106071 | 2021/01/27 | 2022/01/26 |
| Wireless Conn. Tseter | R&S | CMW500 | 157118 | 2020/07/23 | 2021/07/22 |
| Coaxial Cable(13m) | Huber+Suhner | SF104 | CB2-H | 2020/07/25 | 2021/07/24 |
| DEKRA Testing System | DEKRA | Version 2.0 | CB2-H | NA | NA |

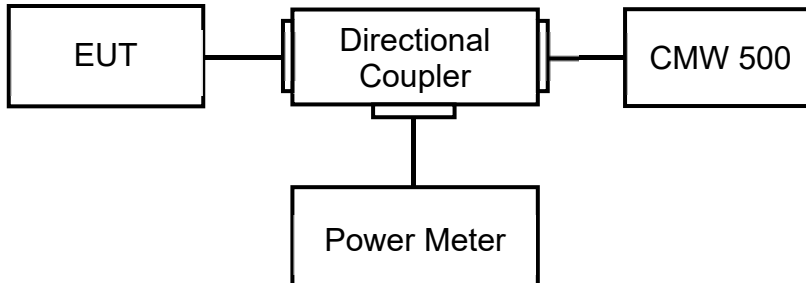
Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2.4. Uncertainty

| Test Item | Uncertainty |
|---|--|
| RF Output Power | ± 1.27 dB |
| Occupied Bandwidth | ± 10 Hz |
| Peak To Average Ratio | Not exceed 13 dB |
| Spurious Emissions | ± 1.27 dB for Conducted Measurement ± 3.2 dB for Radiated Measurement |
| Spurious Emissions at Antenna Terminals | ± 3.2 dB |
| Frequency Stability | ± 10 Hz |

3. RF Output Power

3.1. Test Setup



3.2. Test Procedure

- The RF output of the transmitter was connected to base station simulator.
- The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- Set EUT at maximum average power by base station simulator.
- Measure lowest, middle, and highest channels for each bandwidth and different modulation.

Effective Isotropic Radiated Power = Conducted Power(dBm) + Antenna Gain(dBi)

Effective Radiated Power = Conducted Power(dBm) + Antenna Gain(dBi) - 2.15dB

The conversion of dBm to watts is given by the formula:

$$P_{(W)} = 1W \times \frac{10^{\left(\frac{P_{(dBm)}}{10}\right)}}{1000} = 10^{((P_{(dBm)}-30)/10)}$$

3.3. Test Method

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 5.2.4

ANSI C63.26: 2015 Sub-clause 5.2.4.2

3.4. Test Result

| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 1: LTE Band 2 | | |
| Date of Test | 2021/06/04 | Test Site | SR12-H |
| Temperature(°C) | 23 | Humidity (%RH) | 68 |

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP |
|------------------|---------------------|---------------|--------|-----------|-------|------------------------------|--------------------------|----------------|
| Band 2 1.4MHz | 18607 1850.7 | QPSK | 1 | 0 | 0 | 23.08 | 0.256 | 2 |
| | | QPSK | | 2 | | 23.23 | 0.265 | 2 |
| | | QPSK | | 5 | | 23.10 | 0.257 | 2 |
| | | QPSK | 3 | 0 | 0 | 23.10 | 0.257 | 2 |
| | | QPSK | | 1 | | 23.18 | 0.262 | 2 |
| | | QPSK | | 2 | | 23.21 | 0.264 | 2 |
| | | QPSK | 6 | 0 | 1 | 22.00 | 0.200 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 22.06 | 0.202 | 2 |
| | | 16-QAM | | 2 | | 22.16 | 0.207 | 2 |
| | | 16-QAM | | 5 | | 22.10 | 0.204 | 2 |
| | | 16-QAM | 3 | 0 | 1 | 22.28 | 0.213 | 2 |
| | | 16-QAM | | 1 | | 22.33 | 0.215 | 2 |
| | | 16-QAM | | 2 | | 22.35 | 0.216 | 2 |
| | | 16-QAM | 6 | 0 | 2 | 20.98 | 0.158 | 2 |
| | | 18900 1880 | QPSK | 1 | 0 | 0 | 22.83 | 0.242 |
| | QPSK | | 2 | | 23.02 | | 0.252 | 2 |
| | QPSK | | 5 | | 22.84 | | 0.242 | 2 |
| | QPSK | | 3 | 0 | 0 | 22.99 | 0.251 | 2 |
| | QPSK | | | 1 | | 23.01 | 0.252 | 2 |
| | QPSK | | | 2 | | 22.96 | 0.249 | 2 |
| | QPSK | | 6 | 0 | 1 | 21.92 | 0.196 | 2 |
| | 16-QAM | | 1 | 0 | 1 | 21.45 | 0.176 | 2 |
| | 16-QAM | | | 2 | | 21.64 | 0.184 | 2 |
| | 16-QAM | | | 5 | | 21.53 | 0.179 | 2 |
| | 16-QAM | | 3 | 0 | 1 | 22.25 | 0.211 | 2 |
| | 16-QAM | | | 1 | | 22.28 | 0.213 | 2 |
| | 16-QAM | | | 2 | | 22.27 | 0.212 | 2 |
| | 16-QAM | | 6 | 0 | 2 | 20.85 | 0.153 | 2 |
| | 19193 1909.3 | | QPSK | 1 | 0 | 0 | 23.01 | 0.252 |
| | | QPSK | 2 | | 23.21 | | 0.264 | 2 |
| | | QPSK | 5 | | 23.00 | | 0.251 | 2 |
| | | QPSK | 3 | 0 | 0 | 23.07 | 0.255 | 2 |
| | | QPSK | | 1 | | 23.08 | 0.256 | 2 |
| | | QPSK | | 2 | | 23.09 | 0.256 | 2 |
| | | QPSK | 6 | 0 | 1 | 21.98 | 0.199 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 21.82 | 0.191 | 2 |
| | | 16-QAM | | 2 | | 21.96 | 0.198 | 2 |
| | | 16-QAM | | 5 | | 21.87 | 0.194 | 2 |
| | | 16-QAM | 3 | 0 | 1 | 22.10 | 0.204 | 2 |
| | | 16-QAM | | 1 | | 22.15 | 0.207 | 2 |
| | | 16-QAM | | 2 | | 22.14 | 0.206 | 2 |
| | | 16-QAM | 6 | 0 | 2 | 21.01 | 0.159 | 2 |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= $(10^{(\text{power(dBm)}/10)}) \times 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP |
|----------------|---------------------|---------------|--------|-----------|-------|------------------------------|--------------------------|----------------|
| Band 2 3MHz | 18615 1851.5 | QPSK | 1 | 0 | 0 | 23.02 | 0.252 | 2 |
| | | QPSK | | 7 | | 23.00 | 0.251 | 2 |
| | | QPSK | | 14 | | 22.93 | 0.247 | 2 |
| | | QPSK | 8 | 0 | 1 | 22.09 | 0.204 | 2 |
| | | QPSK | | 4 | | 22.11 | 0.205 | 2 |
| | | QPSK | | 7 | | 22.08 | 0.203 | 2 |
| | | QPSK | 15 | 0 | 1 | 22.15 | 0.207 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 22.66 | 0.232 | 2 |
| | | 16-QAM | | 7 | | 22.60 | 0.229 | 2 |
| | | 16-QAM | | 14 | | 22.52 | 0.225 | 2 |
| | | 16-QAM | 8 | 0 | 2 | 21.27 | 0.169 | 2 |
| | | 16-QAM | | 4 | | 21.21 | 0.166 | 2 |
| | | 16-QAM | | 7 | | 21.22 | 0.167 | 2 |
| | | 16-QAM | 15 | 0 | 2 | 21.27 | 0.169 | 2 |
| | | 18900 1880 | QPSK | 1 | 0 | 0 | 23.03 | 0.253 |
| | QPSK | | 7 | | 23.05 | | 0.254 | 2 |
| | QPSK | | 14 | | 23.02 | | 0.252 | 2 |
| | QPSK | | 8 | 0 | 1 | 21.93 | 0.196 | 2 |
| | QPSK | | | 4 | | 21.94 | 0.197 | 2 |
| | QPSK | | | 7 | | 21.96 | 0.198 | 2 |
| | QPSK | | 15 | 0 | 1 | 22.00 | 0.200 | 2 |
| | 16-QAM | | 1 | 0 | 1 | 21.82 | 0.191 | 2 |
| | 16-QAM | | | 7 | | 21.80 | 0.191 | 2 |
| | 16-QAM | | | 14 | | 21.79 | 0.190 | 2 |
| | 16-QAM | | 8 | 0 | 2 | 20.93 | 0.156 | 2 |
| | 16-QAM | | | 4 | | 20.94 | 0.156 | 2 |
| | 16-QAM | | | 7 | | 20.93 | 0.156 | 2 |
| | 16-QAM | | 15 | 0 | 2 | 20.90 | 0.155 | 2 |
| | 19185 1908.5 | | QPSK | 1 | 0 | 0 | 23.05 | 0.254 |
| | | QPSK | 7 | | 23.11 | | 0.258 | 2 |
| | | QPSK | 14 | | 23.10 | | 0.257 | 2 |
| | | QPSK | 8 | 0 | 1 | 22.07 | 0.203 | 2 |
| | | QPSK | | 4 | | 22.05 | 0.202 | 2 |
| | | QPSK | | 7 | | 22.02 | 0.200 | 2 |
| | | QPSK | 15 | 0 | 1 | 22.02 | 0.200 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 21.94 | 0.197 | 2 |
| | | 16-QAM | | 7 | | 21.96 | 0.198 | 2 |
| | | 16-QAM | | 14 | | 21.89 | 0.195 | 2 |
| | | 16-QAM | 8 | 0 | 2 | 21.05 | 0.160 | 2 |
| | | 16-QAM | | 4 | | 21.09 | 0.162 | 2 |
| | 16-QAM | 7 | | 21.07 | | 0.161 | 2 | |
| | 16-QAM | 15 | 0 | 2 | 21.04 | 0.160 | 2 | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)
2. power (W)= $(10^{(\text{power}(\text{dBm})/10)}) * 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP |
|----------------|---------------------|---------------|--------|-----------|-------|------------------------------|--------------------------|----------------|
| Band 2 5MHz | 18625 1852.5 | QPSK | 1 | 0 | 0 | 23.01 | 0.252 | 2 |
| | | QPSK | | 12 | | 23.17 | 0.261 | 2 |
| | | QPSK | | 24 | | 22.96 | 0.249 | 2 |
| | | QPSK | 12 | 0 | 1 | 22.06 | 0.202 | 2 |
| | | QPSK | | 6 | | 22.12 | 0.205 | 2 |
| | | QPSK | | 11 | | 22.13 | 0.206 | 2 |
| | | QPSK | 25 | 0 | | 22.09 | 0.204 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 21.99 | 0.199 | 2 |
| | | 16-QAM | | 12 | | 22.09 | 0.204 | 2 |
| | | 16-QAM | | 24 | | 21.96 | 0.198 | 2 |
| | | 16-QAM | 12 | 0 | 2 | 21.17 | 0.165 | 2 |
| | | 16-QAM | | 6 | | 21.12 | 0.163 | 2 |
| | | 16-QAM | | 11 | | 21.20 | 0.166 | 2 |
| | | 16-QAM | 25 | 0 | | 21.23 | 0.167 | 2 |
| | | 18900 1880 | QPSK | 1 | 0 | 0 | 22.84 | 0.242 |
| | 12 | | | | 23.02 | | 0.252 | 2 |
| | 24 | | | | 22.90 | | 0.245 | 2 |
| | QPSK | | 12 | 0 | 1 | 21.95 | 0.197 | 2 |
| | QPSK | | | 6 | | 21.94 | 0.197 | 2 |
| | QPSK | | | 11 | | 22.08 | 0.203 | 2 |
| | QPSK | | 25 | 0 | | 21.99 | 0.199 | 2 |
| | 16-QAM | | 1 | 0 | 1 | 22.31 | 0.214 | 2 |
| | 16-QAM | | | 12 | | 22.45 | 0.221 | 2 |
| | 16-QAM | | | 24 | | 22.34 | 0.216 | 2 |
| | 16-QAM | | 12 | 0 | 2 | 21.11 | 0.163 | 2 |
| | 16-QAM | | | 6 | | 21.24 | 0.167 | 2 |
| | 16-QAM | | | 11 | | 21.25 | 0.168 | 2 |
| | 16-QAM | | 25 | 0 | | 21.06 | 0.161 | 2 |
| | 19175 1907.5 | | QPSK | 1 | 0 | 0 | 22.84 | 0.242 |
| | | 12 | | | 23.04 | | 0.254 | 2 |
| | | 24 | | | 22.88 | | 0.244 | 2 |
| | | QPSK | 12 | 0 | 1 | 21.98 | 0.199 | 2 |
| | | QPSK | | 6 | | 22.07 | 0.203 | 2 |
| | | QPSK | | 11 | | 22.09 | 0.204 | 2 |
| | | QPSK | 25 | 0 | | 22.05 | 0.202 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 21.92 | 0.196 | 2 |
| | | 16-QAM | | 12 | | 22.09 | 0.204 | 2 |
| | | 16-QAM | | 24 | | 21.96 | 0.198 | 2 |
| | | 16-QAM | 12 | 0 | 2 | 20.90 | 0.155 | 2 |
| | | 16-QAM | | 6 | | 20.89 | 0.155 | 2 |
| | | 16-QAM | | 11 | | 21.02 | 0.159 | 2 |
| | | 16-QAM | 25 | 0 | | 21.06 | 0.161 | 2 |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= $(10^{(\text{power(dBm)}/10)}) * 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP |
|-----------------|---------------------|---------------|--------|-----------|-------|------------------------------|--------------------------|----------------|
| Band 2 10MHz | 18650 1855 | QPSK | 1 | 0 | 0 | 23.07 | 0.255 | 2 |
| | | QPSK | | 24 | | 23.17 | 0.261 | 2 |
| | | QPSK | | 49 | | 23.01 | 0.252 | 2 |
| | | QPSK | 25 | 0 | 1 | 22.09 | 0.204 | 2 |
| | | QPSK | | 12 | | 22.03 | 0.201 | 2 |
| | | QPSK | | 24 | | 22.19 | 0.208 | 2 |
| | | QPSK | 50 | 0 | | 22.10 | 0.204 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 22.64 | 0.231 | 2 |
| | | 16-QAM | | 24 | | 22.18 | 0.208 | 2 |
| | | 16-QAM | | 49 | | 22.64 | 0.231 | 2 |
| | | 16-QAM | 25 | 0 | 2 | 21.17 | 0.165 | 2 |
| | | 16-QAM | | 12 | | 21.30 | 0.170 | 2 |
| | | 16-QAM | | 24 | | 21.31 | 0.170 | 2 |
| | | 16-QAM | 50 | 0 | | 21.20 | 0.166 | 2 |
| | | 18900 1880 | QPSK | 1 | 0 | 0 | 23.07 | 0.255 |
| | QPSK | | 24 | | 23.26 | | 0.267 | 2 |
| | QPSK | | 49 | | 23.07 | | 0.255 | 2 |
| | QPSK | | 25 | 0 | 1 | 21.96 | 0.198 | 2 |
| | QPSK | | | 12 | | 22.18 | 0.208 | 2 |
| | QPSK | | | 24 | | 22.17 | 0.207 | 2 |
| | QPSK | | 50 | 0 | | 22.07 | 0.203 | 2 |
| | 16-QAM | | 1 | 0 | 1 | 21.87 | 0.194 | 2 |
| | 16-QAM | | | 24 | | 22.10 | 0.204 | 2 |
| | 16-QAM | | | 49 | | 21.83 | 0.192 | 2 |
| | 16-QAM | | 25 | 0 | 2 | 21.07 | 0.161 | 2 |
| | 16-QAM | | | 12 | | 21.09 | 0.162 | 2 |
| | 16-QAM | | | 24 | | 21.23 | 0.167 | 2 |
| | 16-QAM | | 50 | 0 | | 21.12 | 0.163 | 2 |
| | 19150 1905 | | QPSK | 1 | 0 | 0 | 23.06 | 0.255 |
| | | QPSK | 24 | | 23.15 | | 0.260 | 2 |
| | | QPSK | 49 | | 23.13 | | 0.259 | 2 |
| | | QPSK | 25 | 0 | 1 | 22.01 | 0.200 | 2 |
| | | QPSK | | 12 | | 22.06 | 0.202 | 2 |
| | | QPSK | | 24 | | 22.14 | 0.206 | 2 |
| | | QPSK | 50 | 0 | | 22.09 | 0.204 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 21.96 | 0.198 | 2 |
| | | 16-QAM | | 24 | | 22.21 | 0.209 | 2 |
| | | 16-QAM | | 49 | | 21.98 | 0.199 | 2 |
| | | 16-QAM | 25 | 0 | 2 | 21.21 | 0.166 | 2 |
| | | 16-QAM | | 12 | | 21.32 | 0.171 | 2 |
| | 16-QAM | 24 | | 21.37 | | 0.173 | 2 | |
| | 16-QAM | 50 | 0 | | 21.15 | 0.164 | 2 | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= $(10^{(\text{power(dBm)}/10)}) * 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP |
|-----------------|---------------------|---------------|--------|-----------|-------|------------------------------|--------------------------|----------------|
| Band 2 15MHz | 18675 1857.5 | QPSK | 1 | 0 | 0 | 22.99 | 0.251 | 2 |
| | | QPSK | | 37 | | 23.01 | 0.252 | 2 |
| | | QPSK | | 74 | | 22.86 | 0.243 | 2 |
| | | QPSK | 36 | 0 | 1 | 22.09 | 0.204 | 2 |
| | | QPSK | | 19 | | 22.12 | 0.205 | 2 |
| | | QPSK | | 38 | | 22.13 | 0.206 | 2 |
| | | QPSK | 75 | 0 | | 22.09 | 0.204 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 22.60 | 0.229 | 2 |
| | | 16-QAM | | 37 | | 22.65 | 0.232 | 2 |
| | | 16-QAM | | 74 | | 22.58 | 0.228 | 2 |
| | | 16-QAM | 36 | 0 | 2 | 21.11 | 0.163 | 2 |
| | | 16-QAM | | 19 | | 21.15 | 0.164 | 2 |
| | | 16-QAM | | 38 | | 21.09 | 0.162 | 2 |
| | | 16-QAM | 75 | 0 | | 21.16 | 0.164 | 2 |
| | | 18900 1880 | QPSK | 1 | 0 | 0 | 23.00 | 0.251 |
| | QPSK | | 37 | | 23.11 | | 0.258 | 2 |
| | QPSK | | 74 | | 23.04 | | 0.254 | 2 |
| | QPSK | | 36 | 0 | 1 | 22.04 | 0.201 | 2 |
| | QPSK | | | 19 | | 22.06 | 0.202 | 2 |
| | QPSK | | | 38 | | 22.17 | 0.207 | 2 |
| | QPSK | | 75 | 0 | | 22.12 | 0.205 | 2 |
| | 16-QAM | | 1 | 0 | 1 | 21.80 | 0.191 | 2 |
| | 16-QAM | | | 37 | | 21.90 | 0.195 | 2 |
| | 16-QAM | | | 74 | | 21.82 | 0.191 | 2 |
| | 16-QAM | | 36 | 0 | 2 | 20.94 | 0.156 | 2 |
| | 16-QAM | | | 19 | | 21.15 | 0.164 | 2 |
| | 16-QAM | | | 38 | | 21.13 | 0.163 | 2 |
| | 16-QAM | | 75 | 0 | | 21.14 | 0.164 | 2 |
| | 19125 1902.5 | | QPSK | 1 | 0 | 0 | 22.84 | 0.242 |
| | | QPSK | 37 | | 23.06 | | 0.255 | 2 |
| | | QPSK | 74 | | 23.00 | | 0.251 | 2 |
| | | QPSK | 36 | 0 | 1 | 22.12 | 0.205 | 2 |
| | | QPSK | | 19 | | 22.25 | 0.211 | 2 |
| | | QPSK | | 38 | | 22.24 | 0.211 | 2 |
| | | QPSK | 75 | 0 | | 22.21 | 0.209 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 22.16 | 0.207 | 2 |
| | | 16-QAM | | 37 | | 22.35 | 0.216 | 2 |
| | | 16-QAM | | 74 | | 22.20 | 0.209 | 2 |
| | | 16-QAM | 36 | 0 | 2 | 21.12 | 0.163 | 2 |
| | | 16-QAM | | 19 | | 21.16 | 0.164 | 2 |
| | 16-QAM | 38 | | 21.25 | | 0.168 | 2 | |
| | 16-QAM | 75 | 0 | | 21.16 | 0.164 | 2 | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= $(10^{(\text{power(dBm)/10})}) * 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP |
|-----------------|---------------------|---------------|--------|-----------|-------|------------------------------|--------------------------|----------------|
| Band 2 20MHz | 18700 1860 | QPSK | 1 | 0 | 0 | 22.98 | 0.250 | 2 |
| | | QPSK | | 49 | | 23.25 | 0.266 | 2 |
| | | QPSK | | 99 | | 22.92 | 0.247 | 2 |
| | | QPSK | 50 | 0 | 1 | 22.03 | 0.201 | 2 |
| | | QPSK | | 25 | | 22.05 | 0.202 | 2 |
| | | QPSK | | 49 | | 21.89 | 0.195 | 2 |
| | | QPSK | 100 | 0 | | 21.96 | 0.198 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 22.38 | 0.218 | 2 |
| | | 16-QAM | | 49 | | 22.70 | 0.234 | 2 |
| | | 16-QAM | | 99 | | 22.40 | 0.219 | 2 |
| | | 16-QAM | 50 | 0 | 2 | 21.04 | 0.160 | 2 |
| | | 16-QAM | | 25 | | 20.96 | 0.157 | 2 |
| | | 16-QAM | | 49 | | 20.97 | 0.157 | 2 |
| | | 16-QAM | 100 | 0 | | 21.04 | 0.160 | 2 |
| | | 18900 1880 | QPSK | 1 | 0 | 0 | 22.98 | 0.250 |
| | QPSK | | 49 | | 23.39 | | 0.275 | 2 |
| | QPSK | | 99 | | 23.01 | | 0.252 | 2 |
| | QPSK | | 50 | 0 | 1 | 21.90 | 0.195 | 2 |
| | QPSK | | | 25 | | 22.14 | 0.206 | 2 |
| | QPSK | | | 49 | | 22.16 | 0.207 | 2 |
| | QPSK | | 100 | 0 | | 22.04 | 0.201 | 2 |
| | 16-QAM | | 1 | 0 | 1 | 21.80 | 0.191 | 2 |
| | 16-QAM | | | 49 | | 22.76 | 0.238 | 2 |
| | 16-QAM | | | 99 | | 21.91 | 0.195 | 2 |
| | 16-QAM | | 50 | 0 | 2 | 20.93 | 0.156 | 2 |
| | 16-QAM | | | 25 | | 20.89 | 0.155 | 2 |
| | 16-QAM | | | 49 | | 21.20 | 0.166 | 2 |
| | 16-QAM | | 100 | 0 | | 21.10 | 0.162 | 2 |
| | 19100 1900 | | QPSK | 1 | 0 | 0 | 22.77 | 0.238 |
| | | QPSK | 49 | | 23.27 | | 0.267 | 2 |
| | | QPSK | 99 | | 22.87 | | 0.244 | 2 |
| | | QPSK | 50 | 0 | 1 | 22.18 | 0.208 | 2 |
| | | QPSK | | 25 | | 22.21 | 0.209 | 2 |
| | | QPSK | | 49 | | 22.25 | 0.211 | 2 |
| | | QPSK | 100 | 0 | | 22.23 | 0.210 | 2 |
| | | 16-QAM | 1 | 0 | 1 | 22.09 | 0.204 | 2 |
| | | 16-QAM | | 49 | | 22.36 | 0.217 | 2 |
| | | 16-QAM | | 99 | | 22.10 | 0.204 | 2 |
| | | 16-QAM | 50 | 0 | 2 | 21.28 | 0.169 | 2 |
| | | 16-QAM | | 25 | | 21.25 | 0.168 | 2 |
| | 16-QAM | 49 | | 21.24 | | 0.167 | 2 | |
| | 16-QAM | 100 | 0 | | 21.32 | 0.171 | 2 | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= $(10^{(\text{power(dBm)}/10)}) * 10^{-3}$

| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 2: LTE Band 4 | | |
| Date of Test | 2021/06/04 | Test Site | SR12-H |
| Temperature(°C) | 23 | Humidity (%RH) | 68 |

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | | |
|------------------|---------------------|-----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|-------|---|
| Band 4 1.4MHz | 19957 1710.7 | QPSK | 1 | 0 | 0 | 23.24 | 0.156 | 1 | | |
| | | QPSK | | 2 | | 23.40 | 0.162 | 1 | | |
| | | QPSK | | 5 | | 23.24 | 0.156 | 1 | | |
| | | QPSK | 3 | 0 | 0 | 23.34 | 0.160 | 1 | | |
| | | QPSK | | 1 | | 23.31 | 0.159 | 1 | | |
| | | QPSK | | 2 | | 23.30 | 0.158 | 1 | | |
| | | QPSK | 6 | 0 | 1 | 22.30 | 0.126 | 1 | | |
| | | 16-QAM | | 1 | | 0 | 22.04 | 0.119 | 1 | |
| | | 16-QAM | | | | 2 | 22.23 | 0.124 | 1 | |
| | | 16-QAM | 5 | | 22.05 | 0.119 | 1 | | | |
| | | 16-QAM | 3 | 0 | 1 | 22.32 | 0.126 | 1 | | |
| | | 16-QAM | | 1 | | 22.29 | 0.126 | 1 | | |
| | 16-QAM | 2 | | 22.33 | | 0.127 | 1 | | | |
| | 16-QAM | 6 | 0 | 2 | 21.32 | 0.100 | 1 | | | |
| | 20175 1732.5 | 20175 1732.5 | QPSK | 1 | 0 | 0 | 23.08 | 0.151 | 1 | |
| | | | QPSK | | 2 | | 23.29 | 0.158 | 1 | |
| | | | QPSK | | 5 | | 23.09 | 0.151 | 1 | |
| | | | QPSK | 3 | 0 | 0 | 23.14 | 0.153 | 1 | |
| | | | QPSK | | 1 | | 23.16 | 0.153 | 1 | |
| | | | QPSK | | 2 | | 23.18 | 0.154 | 1 | |
| | | | QPSK | 6 | 0 | 1 | 22.14 | 0.121 | 1 | |
| | | | 16-QAM | | 1 | | 0 | 22.00 | 0.117 | 1 |
| | | | 16-QAM | | | | 2 | 22.25 | 0.124 | 1 |
| | | | 16-QAM | 5 | | 22.03 | 0.118 | 1 | | |
| | | | 16-QAM | 3 | 0 | 1 | 22.30 | 0.126 | 1 | |
| | | | 16-QAM | | 1 | | 22.32 | 0.126 | 1 | |
| | 16-QAM | 2 | 22.27 | | 0.125 | | 1 | | | |
| | 16-QAM | 6 | 0 | 2 | 21.05 | 0.094 | 1 | | | |
| | 20393 1754.3 | 20393 1754.3 | QPSK | 1 | 0 | 0 | 23.08 | 0.151 | 1 | |
| | | | QPSK | | 2 | | 23.21 | 0.155 | 1 | |
| | | | QPSK | | 5 | | 22.91 | 0.145 | 1 | |
| | | | QPSK | 3 | 0 | 0 | 23.08 | 0.151 | 1 | |
| | | | QPSK | | 1 | | 23.06 | 0.150 | 1 | |
| | | | QPSK | | 2 | | 22.99 | 0.148 | 1 | |
| | | | QPSK | 6 | 0 | 1 | 21.98 | 0.117 | 1 | |
| | | | 16-QAM | | 1 | | 0 | 21.53 | 0.105 | 1 |
| 16-QAM | | | 2 | | | | 21.72 | 0.110 | 1 | |
| 16-QAM | | | 5 | 21.53 | | 0.105 | 1 | | | |
| 16-QAM | | | 3 | 0 | 1 | 22.22 | 0.124 | 1 | | |
| 16-QAM | | | | 1 | | 22.25 | 0.124 | 1 | | |
| 16-QAM | 2 | 22.21 | | 0.123 | | 1 | | | | |
| 16-QAM | 6 | 0 | 2 | 20.95 | 0.092 | 1 | | | | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W) = $(10^{(\text{power}(\text{dBm})/10)}) \times 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | |
|----------------|---------------------|-----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|-------|
| Band 4 3MHz | 19965 1711.5 | QPSK | 1 | 0 | 0 | 23.20 | 0.155 | 1 | |
| | | QPSK | | 7 | | 23.14 | 0.153 | 1 | |
| | | QPSK | | 14 | | 23.11 | 0.152 | 1 | |
| | | QPSK | 8 | 0 | 1 | 22.26 | 0.125 | 1 | |
| | | QPSK | | 4 | | 22.23 | 0.124 | 1 | |
| | | QPSK | | 7 | | 22.23 | 0.124 | 1 | |
| | | QPSK | 15 | 0 | 1 | 22.24 | 0.124 | 1 | |
| | | 16-QAM | 1 | 0 | | 22.76 | 0.140 | 1 | |
| | | 16-QAM | | 7 | | 22.66 | 0.137 | 1 | |
| | | 16-QAM | | 14 | 22.62 | 0.136 | 1 | | |
| | | 16-QAM | 8 | 0 | 2 | 21.42 | 0.103 | 1 | |
| | | 16-QAM | | 4 | | 21.37 | 0.102 | 1 | |
| | | 16-QAM | | 7 | | 21.39 | 0.102 | 1 | |
| | | 16-QAM | 15 | 0 | 1 | 21.38 | 0.102 | 1 | |
| | | 20175 1732.5 | QPSK | 1 | | 0 | 0 | 23.20 | 0.155 |
| | QPSK | | 7 | | | 23.18 | | 0.154 | 1 |
| | QPSK | | 14 | | 23.16 | 0.153 | | 1 | |
| | QPSK | | 8 | 0 | 1 | 22.17 | 0.122 | 1 | |
| | QPSK | | | 4 | | 22.20 | 0.123 | 1 | |
| | QPSK | | | 7 | | 22.17 | 0.122 | 1 | |
| | QPSK | | 15 | 0 | 1 | 22.12 | 0.121 | 1 | |
| | 16-QAM | | 1 | 0 | | 21.97 | 0.117 | 1 | |
| | 16-QAM | | | 7 | | 22.03 | 0.118 | 1 | |
| | 16-QAM | | | 14 | 22.00 | 0.117 | 1 | | |
| | 16-QAM | | 8 | 0 | 2 | 21.12 | 0.096 | 1 | |
| | 16-QAM | | | 4 | | 21.13 | 0.096 | 1 | |
| | 16-QAM | | | 7 | | 21.15 | 0.097 | 1 | |
| | 16-QAM | | 15 | 0 | 1 | 21.12 | 0.096 | 1 | |
| | 20385 1753.5 | | QPSK | 1 | | 0 | 0 | 23.05 | 0.150 |
| | | QPSK | 7 | | | 23.07 | | 0.150 | 1 |
| | | QPSK | 14 | | 23.03 | 0.149 | | 1 | |
| | | QPSK | 8 | 0 | 1 | 21.98 | 0.117 | 1 | |
| | | QPSK | | 4 | | 22.05 | 0.119 | 1 | |
| | | QPSK | | 7 | | 22.02 | 0.118 | 1 | |
| | | QPSK | 15 | 0 | 1 | 21.97 | 0.117 | 1 | |
| | | 16-QAM | 1 | 0 | | 21.94 | 0.116 | 1 | |
| | | 16-QAM | | 7 | | 21.96 | 0.116 | 1 | |
| | | 16-QAM | | 14 | 21.91 | 0.115 | 1 | | |
| | | 16-QAM | 8 | 0 | 2 | 21.09 | 0.095 | 1 | |
| | | 16-QAM | | 4 | | 21.06 | 0.095 | 1 | |
| | | 16-QAM | | 7 | | 21.04 | 0.094 | 1 | |
| | | 16-QAM | 15 | 0 | 1 | 21.02 | 0.094 | 1 | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= $(10^{(\text{power(dBm)}/10)}) * 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | |
|----------------|---------------------|-----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|-------|
| Band 4 5MHz | 19975 1712.5 | QPSK | 1 | 0 | 0 | 23.11 | 0.152 | 1 | |
| | | QPSK | | 12 | | 23.25 | 0.157 | 1 | |
| | | QPSK | | 24 | | 23.15 | 0.153 | 1 | |
| | | QPSK | 12 | 0 | 1 | 22.23 | 0.124 | 1 | |
| | | QPSK | | 6 | | 22.22 | 0.124 | 1 | |
| | | QPSK | | 11 | | 22.24 | 0.124 | 1 | |
| | | QPSK | 25 | 0 | 1 | 22.25 | 0.124 | 1 | |
| | | 16-QAM | 1 | 0 | | 22.08 | 0.120 | 1 | |
| | | 16-QAM | | 12 | | 22.20 | 0.123 | 1 | |
| | | 16-QAM | | 24 | 22.11 | 0.121 | 1 | | |
| | | 16-QAM | 12 | 0 | 2 | 21.28 | 0.100 | 1 | |
| | | 16-QAM | | 6 | | 21.29 | 0.100 | 1 | |
| | | 16-QAM | | 11 | | 21.23 | 0.098 | 1 | |
| | | 16-QAM | 25 | 0 | 1 | 21.33 | 0.101 | 1 | |
| | | 20175 1732.5 | QPSK | 1 | | 0 | 0 | 23.04 | 0.149 |
| | QPSK | | 12 | | | 23.15 | | 0.153 | 1 |
| | QPSK | | 24 | | 23.02 | 0.149 | | 1 | |
| | QPSK | | 12 | 0 | 1 | 22.23 | 0.124 | 1 | |
| | QPSK | | | 6 | | 22.21 | 0.123 | 1 | |
| | QPSK | | | 11 | | 22.21 | 0.123 | 1 | |
| | QPSK | | 25 | 0 | 1 | 22.16 | 0.122 | 1 | |
| | 16-QAM | | 1 | 0 | | 22.45 | 0.130 | 1 | |
| | 16-QAM | | | 12 | | 22.61 | 0.135 | 1 | |
| | 16-QAM | | | 24 | 22.43 | 0.130 | 1 | | |
| | 16-QAM | | 12 | 0 | 2 | 21.38 | 0.102 | 1 | |
| | 16-QAM | | | 6 | | 21.39 | 0.102 | 1 | |
| | 16-QAM | | | 11 | | 21.35 | 0.101 | 1 | |
| | 16-QAM | | 25 | 0 | 1 | 21.18 | 0.097 | 1 | |
| | 20375 1752.5 | | QPSK | 1 | | 0 | 0 | 22.85 | 0.143 |
| | | QPSK | 12 | | | 22.98 | | 0.147 | 1 |
| | | QPSK | 24 | | 22.87 | 0.144 | | 1 | |
| | | QPSK | 12 | 0 | 1 | 22.01 | 0.118 | 1 | |
| | | QPSK | | 6 | | 22.00 | 0.117 | 1 | |
| | | QPSK | | 11 | | 22.02 | 0.118 | 1 | |
| | | QPSK | 25 | 0 | 1 | 22.00 | 0.117 | 1 | |
| | | 16-QAM | 1 | 0 | | 21.90 | 0.115 | 1 | |
| | | 16-QAM | | 12 | | 22.05 | 0.119 | 1 | |
| | | 16-QAM | | 24 | 21.93 | 0.116 | 1 | | |
| | | 16-QAM | 12 | 0 | 2 | 20.99 | 0.093 | 1 | |
| | | 16-QAM | | 6 | | 20.98 | 0.093 | 1 | |
| | | 16-QAM | | 11 | | 20.92 | 0.092 | 1 | |
| | | 16-QAM | 25 | 0 | 1 | 21.09 | 0.095 | 1 | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= $(10^{(\text{power(dBm)}/10)}) * 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | |
|-----------------|---------------------|-----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|-------|
| Band 4 10MHz | 20000 1715 | QPSK | 1 | 0 | 0 | 23.15 | 0.153 | 1 | |
| | | QPSK | | 24 | | 23.36 | 0.161 | 1 | |
| | | QPSK | | 49 | | 23.17 | 0.154 | 1 | |
| | | QPSK | 25 | 0 | 1 | 22.33 | 0.127 | 1 | |
| | | QPSK | | 12 | | 22.35 | 0.127 | 1 | |
| | | QPSK | | 24 | | 22.35 | 0.127 | 1 | |
| | | QPSK | 50 | 0 | 1 | 22.31 | 0.126 | 1 | |
| | | 16-QAM | 1 | 0 | | 22.75 | 0.140 | 1 | |
| | | 16-QAM | | 24 | | 22.82 | 0.142 | 1 | |
| | | 16-QAM | | 49 | 22.76 | 0.140 | 1 | | |
| | | 16-QAM | 25 | 0 | 2 | 21.47 | 0.104 | 1 | |
| | | 16-QAM | | 12 | | 21.41 | 0.103 | 1 | |
| | | 16-QAM | | 24 | | 21.42 | 0.103 | 1 | |
| | | 16-QAM | 50 | 0 | 1 | 21.40 | 0.102 | 1 | |
| | | 20175 1732.5 | QPSK | 1 | | 0 | 0 | 23.18 | 0.154 |
| | QPSK | | 24 | | | 23.34 | | 0.160 | 1 |
| | QPSK | | 49 | | 23.23 | 0.156 | | 1 | |
| | QPSK | | 25 | 0 | 1 | 22.21 | 0.123 | 1 | |
| | QPSK | | | 12 | | 22.28 | 0.125 | 1 | |
| | QPSK | | | 24 | | 22.27 | 0.125 | 1 | |
| | QPSK | | 50 | 0 | 1 | 22.28 | 0.125 | 1 | |
| | 16-QAM | | 1 | 0 | | 22.06 | 0.119 | 1 | |
| | 16-QAM | | | 24 | | 22.19 | 0.123 | 1 | |
| | 16-QAM | | | 49 | 21.99 | 0.117 | 1 | | |
| | 16-QAM | | 25 | 0 | 2 | 21.26 | 0.099 | 1 | |
| | 16-QAM | | | 12 | | 21.28 | 0.100 | 1 | |
| | 16-QAM | | | 24 | | 21.33 | 0.101 | 1 | |
| | 16-QAM | | 50 | 0 | 1 | 21.32 | 0.100 | 1 | |
| | 20350 1750 | | QPSK | 1 | | 0 | 0 | 23.06 | 0.150 |
| | | QPSK | 24 | | | 23.20 | | 0.155 | 1 |
| | | QPSK | 49 | | 23.03 | 0.149 | | 1 | |
| | | QPSK | 25 | 0 | 1 | 22.18 | 0.122 | 1 | |
| | | QPSK | | 12 | | 22.19 | 0.123 | 1 | |
| | | QPSK | | 24 | | 22.03 | 0.118 | 1 | |
| | | QPSK | 50 | 0 | 1 | 22.11 | 0.121 | 1 | |
| | | 16-QAM | 1 | 0 | | 22.03 | 0.118 | 1 | |
| | | 16-QAM | | 24 | | 22.18 | 0.122 | 1 | |
| | | 16-QAM | | 49 | 21.96 | 0.116 | 1 | | |
| | | 16-QAM | 25 | 0 | 2 | 21.33 | 0.101 | 1 | |
| | | 16-QAM | | 12 | | 21.14 | 0.096 | 1 | |
| | | 16-QAM | | 24 | | 21.19 | 0.097 | 1 | |
| | | 16-QAM | 50 | 0 | 1 | 21.17 | 0.097 | 1 | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= $(10^{(\text{power(dBm)/10})}) \times 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | |
|-----------------|---------------------|-----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|-------|
| Band 4 15MHz | 20025 1717.5 | QPSK | 1 | 0 | 0 | 23.05 | 0.150 | 1 | |
| | | QPSK | | 37 | | 23.16 | 0.153 | 1 | |
| | | QPSK | | 74 | | 23.08 | 0.151 | 1 | |
| | | QPSK | 36 | 0 | 1 | 22.34 | 0.127 | 1 | |
| | | QPSK | | 19 | | 22.36 | 0.128 | 1 | |
| | | QPSK | | 38 | | 22.41 | 0.129 | 1 | |
| | | QPSK | 75 | 0 | 1 | 22.38 | 0.128 | 1 | |
| | | 16-QAM | 1 | 0 | | 22.63 | 0.136 | 1 | |
| | | 16-QAM | | 37 | | 22.77 | 0.140 | 1 | |
| | | 16-QAM | | 74 | 22.70 | 0.138 | 1 | | |
| | | 16-QAM | 36 | 0 | 2 | 21.29 | 0.100 | 1 | |
| | | 16-QAM | | 19 | | 21.30 | 0.100 | 1 | |
| | | 16-QAM | | 38 | | 21.33 | 0.101 | 1 | |
| | | 16-QAM | 75 | 0 | 1 | 21.37 | 0.102 | 1 | |
| | | 20175 1732.5 | QPSK | 1 | | 0 | 0 | 23.14 | 0.153 |
| | QPSK | | 37 | | | 23.23 | | 0.156 | 1 |
| | QPSK | | 74 | | 23.20 | 0.155 | | 1 | |
| | QPSK | | 36 | 0 | 1 | 22.24 | 0.124 | 1 | |
| | QPSK | | | 19 | | 22.25 | 0.124 | 1 | |
| | QPSK | | | 38 | | 22.23 | 0.124 | 1 | |
| | QPSK | | 75 | 0 | 1 | 22.31 | 0.126 | 1 | |
| | 16-QAM | | 1 | 0 | | 21.99 | 0.117 | 1 | |
| | 16-QAM | | | 37 | | 22.07 | 0.119 | 1 | |
| | 16-QAM | | | 74 | 21.96 | 0.116 | 1 | | |
| | 16-QAM | | 36 | 0 | 2 | 21.19 | 0.097 | 1 | |
| | 16-QAM | | | 19 | | 21.26 | 0.099 | 1 | |
| | 16-QAM | | | 38 | | 21.25 | 0.099 | 1 | |
| | 16-QAM | | 75 | 0 | 1 | 21.28 | 0.100 | 1 | |
| | 20325 1747.5 | | QPSK | 1 | | 0 | 0 | 22.94 | 0.146 |
| | | QPSK | 37 | | | 23.08 | | 0.151 | 1 |
| | | QPSK | 74 | | 22.92 | 0.145 | | 1 | |
| | | QPSK | 36 | 0 | 1 | 22.25 | 0.124 | 1 | |
| | | QPSK | | 19 | | 22.16 | 0.122 | 1 | |
| | | QPSK | | 38 | | 22.14 | 0.121 | 1 | |
| | | QPSK | 75 | 0 | 1 | 22.17 | 0.122 | 1 | |
| | | 16-QAM | 1 | 0 | | 22.20 | 0.123 | 1 | |
| | | 16-QAM | | 37 | | 22.26 | 0.125 | 1 | |
| | | 16-QAM | | 74 | 22.11 | 0.121 | 1 | | |
| | | 16-QAM | 36 | 0 | 2 | 21.19 | 0.097 | 1 | |
| | | 16-QAM | | 19 | | 21.18 | 0.097 | 1 | |
| | | 16-QAM | | 38 | | 21.08 | 0.095 | 1 | |
| | | 16-QAM | 75 | 0 | 1 | 21.12 | 0.096 | 1 | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= $(10^{(\text{power(dBm)}/10)}) * 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | |
|-----------------|---------------------|-----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|-------|
| Band 4 20MHz | 20050 1720 | QPSK | 1 | 0 | 0 | 23.09 | 0.151 | 1 | |
| | | QPSK | | 49 | | 23.42 | 0.163 | 1 | |
| | | QPSK | | 99 | | 23.05 | 0.150 | 1 | |
| | | QPSK | 50 | 0 | 1 | 22.27 | 0.125 | 1 | |
| | | QPSK | | 25 | | 22.23 | 0.124 | 1 | |
| | | QPSK | | 49 | | 22.27 | 0.125 | 1 | |
| | | QPSK | 100 | 0 | 1 | 22.29 | 0.126 | 1 | |
| | | 16-QAM | 1 | 0 | | 22.48 | 0.131 | 1 | |
| | | 16-QAM | | 49 | | 22.86 | 0.143 | 1 | |
| | | 16-QAM | | 99 | 22.51 | 0.132 | 1 | | |
| | | 16-QAM | 50 | 0 | 2 | 21.29 | 0.100 | 1 | |
| | | 16-QAM | | 25 | | 21.31 | 0.100 | 1 | |
| | | 16-QAM | | 49 | | 21.26 | 0.099 | 1 | |
| | | 16-QAM | 100 | 0 | 1 | 21.29 | 0.100 | 1 | |
| | | 20175 1732.5 | QPSK | 1 | | 0 | 0 | 23.09 | 0.151 |
| | QPSK | | 49 | | | 23.47 | | 0.165 | 1 |
| | QPSK | | 99 | | 23.09 | 0.151 | | 1 | |
| | QPSK | | 50 | 0 | 1 | 22.11 | 0.121 | 1 | |
| | QPSK | | | 25 | | 22.20 | 0.123 | 1 | |
| | QPSK | | | 49 | | 22.14 | 0.121 | 1 | |
| | QPSK | | 100 | 0 | 1 | 22.14 | 0.121 | 1 | |
| | 16-QAM | | 1 | 0 | | 22.05 | 0.119 | 1 | |
| | 16-QAM | | | 49 | | 22.33 | 0.127 | 1 | |
| | 16-QAM | | | 99 | 21.96 | 0.116 | 1 | | |
| | 16-QAM | | 50 | 0 | 2 | 21.11 | 0.096 | 1 | |
| | 16-QAM | | | 25 | | 21.17 | 0.097 | 1 | |
| | 16-QAM | | | 49 | | 21.20 | 0.098 | 1 | |
| | 16-QAM | | 100 | 0 | 1 | 21.18 | 0.097 | 1 | |
| | 20300 1745 | | QPSK | 1 | | 0 | 0 | 22.88 | 0.144 |
| | | QPSK | 49 | | | 23.29 | | 0.158 | 1 |
| | | QPSK | 99 | | 22.80 | 0.141 | | 1 | |
| | | QPSK | 50 | 0 | 1 | 22.08 | 0.120 | 1 | |
| | | QPSK | | 25 | | 22.09 | 0.120 | 1 | |
| | | QPSK | | 49 | | 21.94 | 0.116 | 1 | |
| | | QPSK | 100 | 0 | 1 | 22.03 | 0.118 | 1 | |
| | | 16-QAM | 1 | 0 | | 22.34 | 0.127 | 1 | |
| | | 16-QAM | | 49 | | 22.45 | 0.130 | 1 | |
| | | 16-QAM | | 99 | 22.09 | 0.120 | 1 | | |
| | | 16-QAM | 50 | 0 | 2 | 21.10 | 0.095 | 1 | |
| | | 16-QAM | | 25 | | 20.96 | 0.092 | 1 | |
| | | 16-QAM | | 49 | | 20.95 | 0.092 | 1 | |
| | | 16-QAM | 100 | 0 | 1 | 21.09 | 0.095 | 1 | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= (10^{(power(dBm)/10)})*10⁻³

| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 3: LTE Band 5 | | |
| Date of Test | 2021/06/04 | Test Site | SR12-H |
| Temperature(°C) | 23 | Humidity (%RH) | 68 |

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) ERP | Limit (W) ERP | | |
|------------------|---------------------|------------|--------|-----------|-------|------------------------------|-------------------------|---------------|-------|---|
| Band 5 1.4MHz | 20407 824.7 | QPSK | 1 | 0 | 0 | 23.36 | 0.044 | 7 | | |
| | | QPSK | | 2 | | 23.49 | 0.045 | 7 | | |
| | | QPSK | | 5 | | 23.44 | 0.045 | 7 | | |
| | | QPSK | 3 | 0 | 0 | 23.51 | 0.045 | 7 | | |
| | | QPSK | | 1 | | 23.48 | 0.045 | 7 | | |
| | | QPSK | | 2 | | 23.50 | 0.045 | 7 | | |
| | | QPSK | 6 | 0 | 1 | 22.45 | 0.035 | 7 | | |
| | | 16-QAM | | 1 | | 0 | 1 | 22.28 | 0.034 | 7 |
| | | 16-QAM | | | | 2 | | 22.42 | 0.035 | 7 |
| | | 16-QAM | 5 | | 22.25 | 0.034 | | 7 | | |
| | | 16-QAM | 3 | 0 | 1 | 22.50 | 0.036 | 7 | | |
| | | 16-QAM | | 1 | | 22.53 | 0.036 | 7 | | |
| | 16-QAM | 2 | | 22.50 | | 0.036 | 7 | | | |
| | 16-QAM | 6 | 0 | 2 | 21.40 | 0.028 | 7 | | | |
| | 20525 836.5 | | QPSK | | 1 | 0 | 0 | 23.37 | 0.044 | 7 |
| | | | QPSK | | | 2 | | 23.49 | 0.045 | 7 |
| | | QPSK | 5 | 23.38 | | 0.044 | | 7 | | |
| | | QPSK | 3 | 0 | 0 | 23.57 | 0.046 | 7 | | |
| | | QPSK | | 1 | | 23.53 | 0.045 | 7 | | |
| | | QPSK | | 2 | | 23.44 | 0.045 | 7 | | |
| | | QPSK | 6 | 0 | 1 | 22.47 | 0.036 | 7 | | |
| | | 16-QAM | | 1 | | 0 | 1 | 22.04 | 0.032 | 7 |
| | | 16-QAM | | | | 2 | | 22.23 | 0.034 | 7 |
| | | 16-QAM | 5 | | 22.07 | 0.033 | | 7 | | |
| | | 16-QAM | 3 | 0 | 1 | 22.75 | 0.038 | 7 | | |
| | | 16-QAM | | 1 | | 22.66 | 0.037 | 7 | | |
| | 16-QAM | 2 | | 22.76 | | 0.038 | 7 | | | |
| | 16-QAM | 6 | 0 | 2 | 21.43 | 0.028 | 7 | | | |
| | 20643 848.3 | | QPSK | | 1 | 0 | 0 | 23.50 | 0.045 | 7 |
| | | | QPSK | | | 2 | | 23.57 | 0.046 | 7 |
| | | QPSK | 5 | 23.47 | | 0.045 | | 7 | | |
| | | QPSK | 3 | 0 | 0 | 23.56 | 0.046 | 7 | | |
| | | QPSK | | 1 | | 23.54 | 0.046 | 7 | | |
| | | QPSK | | 2 | | 23.57 | 0.046 | 7 | | |
| | | QPSK | 6 | 0 | 1 | 22.53 | 0.036 | 7 | | |
| | | 16-QAM | | 1 | | 0 | 1 | 22.31 | 0.034 | 7 |
| | | 16-QAM | | | | 2 | | 22.52 | 0.036 | 7 |
| | | 16-QAM | 5 | | 22.35 | 0.035 | | 7 | | |
| | | 16-QAM | 3 | 0 | 1 | 22.56 | 0.036 | 7 | | |
| | | 16-QAM | | 1 | | 22.59 | 0.037 | 7 | | |
| | 16-QAM | 2 | | 22.57 | | 0.036 | 7 | | | |
| | 16-QAM | 6 | 0 | 2 | 21.51 | 0.029 | 7 | | | |

Note:

1. Measure Level (ERP) = Reading Level (dBm) + Antenna Gain(dBi) -2.15dB

2. power (W) = $(10^{(\text{power(dBm)}/10)}) \times 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP |
|----------------|---------------------|----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|
| Band 5 3MHz | 20415 825.5 | QPSK | 1 | 0 | 0 | 23.30 | 0.043 | 7 |
| | | QPSK | | 7 | | 23.30 | | |
| | | QPSK | | 14 | | 23.29 | | |
| | | QPSK | 8 | 0 | 1 | 22.45 | 0.035 | 7 |
| | | QPSK | | 4 | | 22.42 | | |
| | | QPSK | | 7 | | 22.44 | | |
| | | QPSK | 15 | 0 | | 22.42 | 0.035 | 7 |
| | | 16-QAM | 1 | 0 | 1 | 22.94 | 0.040 | 7 |
| | | 16-QAM | | 7 | | 22.88 | | |
| | | 16-QAM | | 14 | | 22.91 | | |
| | | 16-QAM | 8 | 0 | 2 | 21.58 | 0.029 | 7 |
| | | 16-QAM | | 4 | | 21.56 | | |
| | | 16-QAM | | 7 | | 21.54 | | |
| | | 16-QAM | 15 | 0 | | 21.53 | 0.029 | 7 |
| | | 20525 836.5 | QPSK | 1 | 0 | 0 | 23.49 | 0.045 |
| | 7 | | | | 23.45 | | | |
| | 14 | | | | 23.50 | | | |
| | QPSK | | 8 | 0 | 1 | 22.49 | 0.036 | 7 |
| | QPSK | | | 4 | | 22.49 | | |
| | QPSK | | | 7 | | 22.51 | | |
| | QPSK | | 15 | 0 | | 22.52 | 0.036 | 7 |
| | 16-QAM | | 1 | 0 | 1 | 22.37 | 0.035 | 7 |
| | 16-QAM | | | 7 | | 22.37 | | |
| | 16-QAM | | | 14 | | 22.29 | | |
| | 16-QAM | | 8 | 0 | 2 | 21.49 | 0.028 | 7 |
| | 16-QAM | | | 4 | | 21.42 | | |
| | 16-QAM | | | 7 | | 21.44 | | |
| | 16-QAM | | 15 | 0 | | 21.48 | 0.028 | 7 |
| | 20635 847.5 | | QPSK | 1 | 0 | 0 | 23.49 | 0.045 |
| | | 7 | | | 23.52 | | | |
| | | 14 | | | 23.50 | | | |
| | | QPSK | 8 | 0 | 1 | 22.56 | 0.036 | 7 |
| | | QPSK | | 4 | | 22.54 | | |
| | | QPSK | | 7 | | 22.51 | | |
| | | QPSK | 15 | 0 | | 22.51 | 0.036 | 7 |
| | | 16-QAM | 1 | 0 | 1 | 22.52 | 0.036 | 7 |
| | | 16-QAM | | 7 | | 22.47 | | |
| | | 16-QAM | | 14 | | 22.42 | | |
| | | 16-QAM | 8 | 0 | 2 | 21.59 | 0.029 | 7 |
| | | 16-QAM | | 4 | | 21.57 | | |
| | | 16-QAM | | 7 | | 21.54 | | |
| | | 16-QAM | 15 | 0 | | 21.54 | 0.029 | 7 |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= $(10^{(\text{power(dBm)}/10)}) * 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | | | |
|----------------|---------------------|----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|---|-------|-------|
| Band 5 5MHz | 20425 826.5 | QPSK | 1 | 0 | 0 | 23.30 | 0.043 | 7 | | | |
| | | QPSK | | 12 | | 23.47 | | | | | |
| | | QPSK | | 24 | | 23.36 | | | | | |
| | | QPSK | 12 | 0 | 1 | 22.42 | 0.035 | 7 | | | |
| | | QPSK | | 6 | | 22.46 | | | | | |
| | | QPSK | | 11 | | 22.43 | | | | | |
| | | QPSK | 25 | 0 | 1 | 22.38 | 0.035 | 7 | | | |
| | | 16-QAM | 1 | 0 | | 22.31 | | | | | |
| | | 16-QAM | | 12 | | 22.45 | | | | | |
| | | 16-QAM | | 24 | 22.33 | | | | | | |
| | | 16-QAM | 12 | 0 | 2 | 21.41 | 0.028 | 7 | | | |
| | | 16-QAM | | 6 | | 21.40 | | | | | |
| | | 16-QAM | | 11 | | 21.42 | | | | | |
| | | 16-QAM | 25 | 0 | 1 | 21.48 | 0.028 | 7 | | | |
| | | 20525 836.5 | QPSK | 1 | | 0 | | | 0 | 23.33 | 0.043 |
| | QPSK | | 12 | | | 23.45 | | | | | |
| | QPSK | | 24 | | 23.35 | | | | | | |
| | QPSK | | 12 | 0 | 1 | 22.49 | 0.036 | 7 | | | |
| | QPSK | | | 6 | | 22.47 | | | | | |
| | QPSK | | | 11 | | 22.49 | | | | | |
| | QPSK | | 25 | 0 | 1 | 22.47 | 0.036 | 7 | | | |
| | 16-QAM | | 1 | 0 | | 22.80 | | | | | |
| | 16-QAM | | | 12 | | 22.94 | | | | | |
| | 16-QAM | | | 24 | 22.76 | | | | | | |
| | 16-QAM | | 12 | 0 | 2 | 21.63 | 0.029 | 7 | | | |
| | 16-QAM | | | 6 | | 21.62 | | | | | |
| | 16-QAM | | | 11 | | 21.60 | | | | | |
| | 16-QAM | | 25 | 0 | 1 | 21.47 | 0.028 | 7 | | | |
| | 20625 846.5 | | QPSK | 1 | | 0 | | | 0 | 23.27 | 0.043 |
| | | QPSK | 12 | | | 23.44 | | | | | |
| | | QPSK | 24 | | 23.27 | | | | | | |
| | | QPSK | 12 | 0 | 1 | 22.56 | 0.036 | 7 | | | |
| | | QPSK | | 6 | | 22.46 | | | | | |
| | | QPSK | | 11 | | 22.45 | | | | | |
| | | QPSK | 25 | 0 | 1 | 22.53 | 0.036 | 7 | | | |
| | | 16-QAM | 1 | 0 | | 22.40 | | | | | |
| | | 16-QAM | | 12 | | 22.54 | | | | | |
| | | 16-QAM | | 24 | 22.44 | | | | | | |
| | | 16-QAM | 12 | 0 | 2 | 21.49 | 0.028 | 7 | | | |
| | | 16-QAM | | 6 | | 21.45 | | | | | |
| | | 16-QAM | | 11 | | 21.37 | | | | | |
| | | 16-QAM | 25 | 0 | 1 | 21.57 | 0.029 | 7 | | | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= $(10^{(\text{power(dBm)}/10)}) * 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | |
|-----------------|---------------------|----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|-------|
| Band 5 10MHz | 20450 829 | QPSK | 1 | 0 | 0 | 23.28 | 0.043 | 7 | |
| | | QPSK | | 24 | | 23.54 | 0.046 | 7 | |
| | | QPSK | | 49 | | 23.33 | 0.043 | 7 | |
| | | QPSK | 25 | 0 | 1 | 22.45 | 0.035 | 7 | |
| | | QPSK | | 12 | | 22.48 | 0.036 | 7 | |
| | | QPSK | | 24 | | 22.53 | 0.036 | 7 | |
| | | QPSK | 50 | 0 | 1 | 22.50 | 0.036 | 7 | |
| | | 16-QAM | 1 | 0 | | 22.89 | 0.039 | 7 | |
| | | 16-QAM | | 24 | | 23.14 | 0.042 | 7 | |
| | | 16-QAM | | 49 | 23.04 | 0.041 | 7 | | |
| | | 16-QAM | 25 | 0 | 2 | 21.55 | 0.029 | 7 | |
| | | 16-QAM | | 12 | | 21.58 | 0.029 | 7 | |
| | | 16-QAM | | 24 | | 21.56 | 0.029 | 7 | |
| | | 16-QAM | 50 | 0 | 1 | 21.54 | 0.029 | 7 | |
| | | 20525 836.5 | QPSK | 1 | | 0 | 0 | 23.47 | 0.045 |
| | QPSK | | 24 | | | 23.67 | | 0.047 | 7 |
| | QPSK | | 49 | | 23.48 | 0.045 | | 7 | |
| | QPSK | | 25 | 0 | 1 | 22.49 | 0.036 | 7 | |
| | QPSK | | | 12 | | 22.53 | 0.036 | 7 | |
| | QPSK | | | 24 | | 22.52 | 0.036 | 7 | |
| | QPSK | | 50 | 0 | 1 | 22.53 | 0.036 | 7 | |
| | 16-QAM | | 1 | 0 | | 22.33 | 0.035 | 7 | |
| | 16-QAM | | | 24 | | 22.54 | 0.036 | 7 | |
| | 16-QAM | | | 49 | 22.32 | 0.034 | 7 | | |
| | 16-QAM | | 25 | 0 | 2 | 21.56 | 0.029 | 7 | |
| | 16-QAM | | | 12 | | 21.58 | 0.029 | 7 | |
| | 16-QAM | | | 24 | | 21.56 | 0.029 | 7 | |
| | 16-QAM | | 50 | 0 | 1 | 21.52 | 0.029 | 7 | |
| | 20600 844 | | QPSK | 1 | | 0 | 0 | 23.40 | 0.044 |
| | | QPSK | 24 | | | 23.63 | | 0.047 | 7 |
| | | QPSK | 49 | | 23.50 | 0.045 | | 7 | |
| | | QPSK | 25 | 0 | 1 | 22.55 | 0.036 | 7 | |
| | | QPSK | | 12 | | 22.58 | 0.037 | 7 | |
| | | QPSK | | 24 | | 22.49 | 0.036 | 7 | |
| | | QPSK | 50 | 0 | 1 | 22.57 | 0.036 | 7 | |
| | | 16-QAM | 1 | 0 | | 22.39 | 0.035 | 7 | |
| | | 16-QAM | | 24 | | 22.57 | 0.036 | 7 | |
| | | 16-QAM | | 49 | 22.49 | 0.036 | 7 | | |
| | | 16-QAM | 25 | 0 | 2 | 21.69 | 0.030 | 7 | |
| | | 16-QAM | | 12 | | 21.59 | 0.029 | 7 | |
| | | 16-QAM | | 24 | | 21.55 | 0.029 | 7 | |
| | | 16-QAM | 50 | 0 | 1 | 21.54 | 0.029 | 7 | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)
2. power (W)= $(10^{(\text{power(dBm)}/10)}) \times 10^{-3}$

| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 4: LTE Band 12 | | |
| Date of Test | 2021/06/04 | Test Site | SR12-H |
| Temperature(°C) | 23 | Humidity (%RH) | 68 |

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) ERP | Limit (W) ERP | | |
|-------------------|---------------------|------------|--------|-----------|-------|------------------------------|-------------------------|---------------|-------|---|
| Band 12 1.4MHz | 23017 699.7 | QPSK | 1 | 0 | 0 | 22.67 | 0.063 | 3 | | |
| | | QPSK | | 2 | | 22.69 | 0.064 | 3 | | |
| | | QPSK | | 5 | | 22.71 | 0.064 | 3 | | |
| | | QPSK | 3 | 0 | 0 | 22.74 | 0.064 | 3 | | |
| | | QPSK | | 1 | | 22.77 | 0.065 | 3 | | |
| | | QPSK | | 2 | | 22.75 | 0.065 | 3 | | |
| | | QPSK | 6 | 0 | 1 | 21.72 | 0.051 | 3 | | |
| | | 16-QAM | | 1 | | 0 | 1 | 21.62 | 0.050 | 3 |
| | | 16-QAM | | | | 2 | | 21.88 | 0.053 | 3 |
| | | 16-QAM | 5 | | 21.71 | 0.051 | | 3 | | |
| | | 16-QAM | 3 | 0 | 1 | 21.88 | 0.053 | 3 | | |
| | | 16-QAM | | 1 | | 21.87 | 0.053 | 3 | | |
| | 16-QAM | 2 | | 22.01 | | 0.054 | 3 | | | |
| | 16-QAM | 6 | 0 | 2 | 20.54 | 0.039 | 3 | | | |
| | 23095 707.5 | | QPSK | | 1 | 0 | 0 | 22.58 | 0.062 | 3 |
| | | | QPSK | | | 2 | | 22.77 | 0.065 | 3 |
| | | QPSK | 5 | 22.61 | | 0.063 | | 3 | | |
| | | QPSK | 3 | 0 | 0 | 22.75 | 0.065 | 3 | | |
| | | QPSK | | 1 | | 22.75 | 0.065 | 3 | | |
| | | QPSK | | 2 | | 22.71 | 0.064 | 3 | | |
| | | QPSK | 6 | 0 | 1 | 21.70 | 0.051 | 3 | | |
| | | 16-QAM | | 1 | | 0 | 1 | 21.29 | 0.046 | 3 |
| | | 16-QAM | | | | 2 | | 21.45 | 0.048 | 3 |
| | | 16-QAM | 5 | | 21.29 | 0.046 | | 3 | | |
| | | 16-QAM | 3 | 0 | 1 | 21.93 | 0.053 | 3 | | |
| | | 16-QAM | | 1 | | 21.91 | 0.053 | 3 | | |
| | 16-QAM | 2 | | 21.92 | | 0.053 | 3 | | | |
| | 16-QAM | 6 | 0 | 2 | 20.63 | 0.040 | 3 | | | |
| | 23173 715.3 | | QPSK | | 1 | 0 | 0 | 22.66 | 0.063 | 3 |
| | | | QPSK | | | 2 | | 22.85 | 0.066 | 3 |
| | | QPSK | 5 | 22.72 | | 0.064 | | 3 | | |
| | | QPSK | 3 | 0 | 0 | 22.80 | 0.065 | 3 | | |
| | | QPSK | | 1 | | 22.75 | 0.065 | 3 | | |
| | | QPSK | | 2 | | 22.78 | 0.065 | 3 | | |
| | | QPSK | 6 | 0 | 1 | 21.72 | 0.051 | 3 | | |
| | | 16-QAM | | 1 | | 0 | 1 | 21.53 | 0.049 | 3 |
| | | 16-QAM | | | | 2 | | 21.71 | 0.051 | 3 |
| | | 16-QAM | 5 | | 21.58 | 0.049 | | 3 | | |
| | | 16-QAM | 3 | 0 | 1 | 21.78 | 0.052 | 3 | | |
| | | 16-QAM | | 1 | | 21.73 | 0.051 | 3 | | |
| | 16-QAM | 2 | | 21.80 | | 0.052 | 3 | | | |
| | 16-QAM | 6 | 0 | 2 | 20.72 | 0.040 | 3 | | | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W) = $(10^{(\text{power}(\text{dBm})/10)}) * 10^{-3}$

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | |
|-----------------|---------------------|----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|---|
| Band 12 3MHz | 23025 700.5 | QPSK | 1 | 0 | 0 | 22.64 | 0.063 | 3 | |
| | | QPSK | | 7 | | 22.66 | | | |
| | | QPSK | | 14 | | 22.63 | | | |
| | | QPSK | 8 | 15 | 0 | 1 | 21.74 | 0.051 | 3 |
| | | QPSK | | | 4 | | 21.77 | | |
| | | QPSK | | | 7 | | 21.76 | | |
| | | QPSK | 15 | 1 | 0 | 1 | 21.80 | 0.052 | 3 |
| | | 16-QAM | | | 0 | | 22.24 | | |
| | | 16-QAM | | | 7 | | 22.28 | | |
| | | 16-QAM | 1 | 8 | 14 | 2 | 22.23 | 0.057 | 3 |
| | | 16-QAM | | | 0 | | 20.84 | | |
| | | 16-QAM | | | 4 | | 20.86 | | |
| | | 16-QAM | 8 | 15 | 7 | 2 | 20.88 | 0.042 | 3 |
| | | 16-QAM | | | 0 | | 20.90 | | |
| | | 16-QAM | | | 7 | | 20.90 | | |
| | 23095 707.5 | 23095 707.5 | QPSK | 1 | 0 | 0 | 22.77 | 0.065 | 3 |
| | QPSK | | 7 | | 22.74 | | | | |
| | QPSK | | 14 | | 22.70 | | | | |
| | QPSK | | 8 | 15 | 0 | 1 | 21.71 | 0.051 | 3 |
| | QPSK | | | | 4 | | 21.74 | | |
| | QPSK | | | | 7 | | 21.73 | | |
| | QPSK | | 15 | 1 | 0 | 1 | 21.73 | 0.051 | 3 |
| | 16-QAM | | | | 0 | | 21.58 | | |
| | 16-QAM | | | | 7 | | 21.63 | | |
| | 16-QAM | | 1 | 8 | 14 | 2 | 21.50 | 0.048 | 3 |
| | 16-QAM | | | | 0 | | 20.70 | | |
| | 16-QAM | | | | 4 | | 20.69 | | |
| | 16-QAM | | 8 | 15 | 7 | 2 | 20.72 | 0.040 | 3 |
| | 16-QAM | | | | 0 | | 20.65 | | |
| | 16-QAM | | | | 7 | | 20.65 | | |
| | 23165 714.5 | 23165 714.5 | QPSK | 1 | 0 | 0 | 22.73 | 0.064 | 3 |
| | QPSK | | 7 | | 22.75 | | | | |
| | QPSK | | 14 | | 21.74 | | | | |
| | QPSK | | 8 | 15 | 0 | 1 | 21.73 | 0.051 | 3 |
| | QPSK | | | | 4 | | 21.75 | | |
| | QPSK | | | | 7 | | 21.74 | | |
| | QPSK | | 15 | 1 | 0 | 1 | 21.70 | 0.051 | 3 |
| | 16-QAM | | | | 0 | | 21.62 | | |
| | 16-QAM | | | | 7 | | 21.70 | | |
| | 16-QAM | | 1 | 8 | 14 | 2 | 21.62 | 0.050 | 3 |
| | 16-QAM | | | | 0 | | 20.77 | | |
| | 16-QAM | | | | 4 | | 20.73 | | |
| 16-QAM | 8 | | 15 | 7 | 2 | 21.62 | 0.050 | 3 | |
| 16-QAM | | | | 0 | | 20.70 | | | |
| 16-QAM | | | | 7 | | 20.70 | | | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= (10^{(power(dBm)/10)})*10⁻³

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP |
|-----------------|---------------------|----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|
| Band 12 5MHz | 23035 701.5 | QPSK | 1 | 0 | 0 | 22.61 | 0.063 | 3 |
| | | QPSK | | 12 | | 22.77 | 0.065 | 3 |
| | | QPSK | | 24 | | 22.58 | 0.062 | 3 |
| | | QPSK | 12 | 0 | 1 | 21.78 | 0.052 | 3 |
| | | QPSK | | 6 | | 21.74 | 0.051 | 3 |
| | | QPSK | | 11 | | 21.71 | 0.051 | 3 |
| | | QPSK | 25 | 0 | | 21.78 | 0.052 | 3 |
| | | 16-QAM | 1 | 0 | 1 | 21.56 | 0.049 | 3 |
| | | 16-QAM | | 12 | | 21.73 | 0.051 | 3 |
| | | 16-QAM | | 24 | | 21.59 | 0.049 | 3 |
| | | 16-QAM | 12 | 0 | 2 | 20.72 | 0.040 | 3 |
| | | 16-QAM | | 6 | | 20.75 | 0.041 | 3 |
| | | 16-QAM | | 11 | | 20.74 | 0.041 | 3 |
| | | 16-QAM | 25 | 0 | | 20.76 | 0.041 | 3 |
| | | 23095 707.5 | QPSK | 1 | 0 | 0 | 22.60 | 0.062 |
| | QPSK | | 12 | | 22.73 | | 0.064 | 3 |
| | QPSK | | 24 | | 22.57 | | 0.062 | 3 |
| | QPSK | | 12 | 0 | 1 | 21.72 | 0.051 | 3 |
| | QPSK | | | 6 | | 21.71 | 0.051 | 3 |
| | QPSK | | | 11 | | 21.78 | 0.052 | 3 |
| | QPSK | | 25 | 0 | | 21.70 | 0.051 | 3 |
| | 16-QAM | | 1 | 0 | 1 | 22.02 | 0.055 | 3 |
| | 16-QAM | | | 12 | | 22.17 | 0.056 | 3 |
| | 16-QAM | | | 24 | | 21.98 | 0.054 | 3 |
| | 16-QAM | | 12 | 0 | 2 | 20.85 | 0.042 | 3 |
| | 16-QAM | | | 6 | | 20.83 | 0.041 | 3 |
| | 16-QAM | | | 11 | | 20.86 | 0.042 | 3 |
| | 16-QAM | | 25 | 0 | | 20.74 | 0.041 | 3 |
| | 23155 713.5 | | QPSK | 1 | 0 | 0 | 22.53 | 0.061 |
| | | QPSK | 12 | | 22.70 | | 0.064 | 3 |
| | | QPSK | 24 | | 22.61 | | 0.063 | 3 |
| | | QPSK | 12 | 0 | 1 | 21.69 | 0.051 | 3 |
| | | QPSK | | 6 | | 21.64 | 0.050 | 3 |
| | | QPSK | | 11 | | 21.65 | 0.050 | 3 |
| | | QPSK | 25 | 0 | | 21.66 | 0.050 | 3 |
| | | 16-QAM | 1 | 0 | 1 | 21.57 | 0.049 | 3 |
| | | 16-QAM | | 12 | | 21.75 | 0.051 | 3 |
| | | 16-QAM | | 24 | | 21.63 | 0.050 | 3 |
| | | 16-QAM | 12 | 0 | 2 | 20.59 | 0.039 | 3 |
| | | 16-QAM | | 6 | | 20.61 | 0.039 | 3 |
| | | 16-QAM | | 11 | | 20.59 | 0.039 | 3 |
| | | 16-QAM | 25 | 0 | | 20.69 | 0.040 | 3 |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= (10^{(power(dBm)/10)})*10⁻³

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | |
|------------------|---------------------|----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|-------|
| Band 12 10MHz | 23060 704 | QPSK | 1 | 0 | 0 | 22.58 | 0.062 | 3 | |
| | | QPSK | | 24 | | 22.80 | 0.065 | 3 | |
| | | QPSK | | 49 | | 22.58 | 0.062 | 3 | |
| | | QPSK | 25 | 0 | 1 | 21.79 | 0.052 | 3 | |
| | | QPSK | | 12 | | 21.77 | 0.052 | 3 | |
| | | QPSK | | 24 | | 21.85 | 0.052 | 3 | |
| | | QPSK | 50 | 0 | 1 | 21.79 | 0.052 | 3 | |
| | | 16-QAM | 1 | 0 | | 22.17 | 0.056 | 3 | |
| | | 16-QAM | | 24 | | 22.45 | 0.060 | 3 | |
| | | 16-QAM | | 49 | 22.23 | 0.057 | 3 | | |
| | | 16-QAM | 25 | 0 | 2 | 20.81 | 0.041 | 3 | |
| | | 16-QAM | | 12 | | 20.87 | 0.042 | 3 | |
| | | 16-QAM | | 24 | | 20.86 | 0.042 | 3 | |
| | | 16-QAM | 50 | 0 | 1 | 20.81 | 0.041 | 3 | |
| | | 23095 707.5 | QPSK | 1 | | 0 | 0 | 22.69 | 0.064 |
| | QPSK | | 24 | | | 23.00 | | 0.068 | 3 |
| | QPSK | | 49 | | 22.78 | 0.065 | | 3 | |
| | QPSK | | 25 | 0 | 1 | 21.77 | 0.052 | 3 | |
| | QPSK | | | 12 | | 21.84 | 0.052 | 3 | |
| | QPSK | | | 24 | | 21.86 | 0.053 | 3 | |
| | QPSK | | 50 | 0 | 1 | 21.84 | 0.052 | 3 | |
| | 16-QAM | | 1 | 0 | | 21.52 | 0.049 | 3 | |
| | 16-QAM | | | 24 | | 21.76 | 0.051 | 3 | |
| | 16-QAM | | | 49 | 21.55 | 0.049 | 3 | | |
| | 16-QAM | | 25 | 0 | 2 | 20.80 | 0.041 | 3 | |
| | 16-QAM | | | 12 | | 20.81 | 0.041 | 3 | |
| | 16-QAM | | | 24 | | 20.85 | 0.042 | 3 | |
| | 16-QAM | | 50 | 0 | 1 | 20.82 | 0.041 | 3 | |
| | 23130 711 | | QPSK | 1 | | 0 | 0 | 22.72 | 0.064 |
| | | QPSK | 24 | | | 22.91 | | 0.067 | 3 |
| | | QPSK | 49 | | 22.74 | 0.064 | | 3 | |
| | | QPSK | 25 | 0 | 1 | 21.66 | 0.050 | 3 | |
| | | QPSK | | 12 | | 21.71 | 0.051 | 3 | |
| | | QPSK | | 24 | | 21.73 | 0.051 | 3 | |
| | | QPSK | 50 | 0 | 1 | 21.72 | 0.051 | 3 | |
| | | 16-QAM | 1 | 0 | | 21.68 | 0.050 | 3 | |
| | | 16-QAM | | 24 | | 21.87 | 0.053 | 3 | |
| | | 16-QAM | | 49 | 21.66 | 0.050 | 3 | | |
| | | 16-QAM | 25 | 0 | 2 | 20.77 | 0.041 | 3 | |
| | | 16-QAM | | 12 | | 20.80 | 0.041 | 3 | |
| | | 16-QAM | | 24 | | 20.88 | 0.042 | 3 | |
| | | 16-QAM | 50 | 0 | 1 | 20.76 | 0.041 | 3 | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)
2. power (W)= $(10^{(\text{power(dBm)/10})}) * 10^{-3}$

| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 5: LTE Band 14 | | |
| Date of Test | 2021/06/04 | Test Site | SR12-H |
| Temperature(°C) | 23 | Humidity (%RH) | 68 |

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) ERP | Limit (W) ERP | |
|-----------------|---------------------|----------------|--------|-----------|-------|------------------------------|-------------------------|---------------|---|
| Band 14 5MHz | 23305 790.5 | QPSK | 1 | 0 | 0 | 22.54 | 0.041 | 3 | |
| | | QPSK | | 12 | | 22.74 | 0.043 | 3 | |
| | | QPSK | | 24 | | 22.64 | 0.042 | 3 | |
| | | QPSK | 12 | 0 | 1 | 21.78 | 0.034 | 3 | |
| | | QPSK | | 6 | | 21.78 | 0.034 | 3 | |
| | | QPSK | | 11 | | 21.79 | 0.034 | 3 | |
| | | QPSK | 25 | 0 | 1 | 21.74 | 0.034 | 3 | |
| | | 16-QAM | | 0 | | 21.54 | 0.032 | 3 | |
| | | 16-QAM | | 12 | | 21.75 | 0.034 | 3 | |
| | | 16-QAM | 1 | 24 | 1 | 21.62 | 0.033 | 3 | |
| | | 16-QAM | | 0 | | 20.74 | 0.027 | 3 | |
| | | 16-QAM | | 12 | | 20.81 | 0.027 | 3 | |
| | | 16-QAM | 12 | 6 | 2 | 20.78 | 0.027 | 3 | |
| | | 16-QAM | | 11 | | 20.84 | 0.027 | 3 | |
| | | 16-QAM | | 25 | | 20.84 | 0.027 | 3 | |
| | 16-QAM | 25 | 0 | 2 | 20.74 | 0.027 | 3 | | |
| | 16-QAM | | 6 | | 20.81 | 0.027 | 3 | | |
| | 16-QAM | | 11 | | 20.78 | 0.027 | 3 | | |
| | 16-QAM | 12 | 0 | 2 | 20.74 | 0.027 | 3 | | |
| | 16-QAM | | 6 | | 20.81 | 0.027 | 3 | | |
| | 16-QAM | | 11 | | 20.78 | 0.027 | 3 | | |
| | 16-QAM | 25 | 0 | 2 | 20.74 | 0.027 | 3 | | |
| | 16-QAM | | 6 | | 20.81 | 0.027 | 3 | | |
| | 16-QAM | | 11 | | 20.78 | 0.027 | 3 | | |
| | 23330 793 | 23330 793 | QPSK | 1 | 0 | 0 | 22.59 | 0.041 | 3 |
| | | | QPSK | | 12 | | 22.69 | 0.042 | 3 |
| | | | QPSK | | 24 | | 22.53 | 0.041 | 3 |
| | | | QPSK | 12 | 0 | 1 | 21.62 | 0.033 | 3 |
| | | | QPSK | | 6 | | 21.66 | 0.033 | 3 |
| | | | QPSK | | 11 | | 21.80 | 0.034 | 3 |
| | | | QPSK | 25 | 0 | 1 | 21.70 | 0.033 | 3 |
| | | | 16-QAM | | 0 | | 22.01 | 0.036 | 3 |
| | | | 16-QAM | | 12 | | 22.14 | 0.037 | 3 |
| | | | 16-QAM | 1 | 24 | 1 | 22.01 | 0.036 | 3 |
| | | | 16-QAM | | 0 | | 20.79 | 0.027 | 3 |
| | | | 16-QAM | | 12 | | 20.77 | 0.027 | 3 |
| | | | 16-QAM | 12 | 6 | 2 | 20.89 | 0.028 | 3 |
| | | | 16-QAM | | 11 | | 20.70 | 0.027 | 3 |
| | | | 16-QAM | | 25 | | 20.70 | 0.027 | 3 |
| | 16-QAM | 25 | 0 | 2 | 20.74 | 0.027 | 3 | | |
| | 16-QAM | | 6 | | 20.81 | 0.027 | 3 | | |
| | 16-QAM | | 11 | | 20.78 | 0.027 | 3 | | |
| | 23355 795.5 | 23355 795.5 | QPSK | 1 | 0 | 0 | 22.52 | 0.040 | 3 |
| | | | QPSK | | 12 | | 22.61 | 0.041 | 3 |
| | | | QPSK | | 24 | | 22.49 | 0.040 | 3 |
| | | | QPSK | 12 | 0 | 1 | 21.68 | 0.033 | 3 |
| | | | QPSK | | 6 | | 21.57 | 0.033 | 3 |
| | | | QPSK | | 11 | | 21.59 | 0.033 | 3 |
| QPSK | | | 25 | 0 | 1 | 21.61 | 0.033 | 3 | |
| 16-QAM | | | | 0 | | 21.63 | 0.033 | 3 | |
| 16-QAM | | | | 12 | | 21.69 | 0.033 | 3 | |
| 16-QAM | | | 1 | 24 | 1 | 21.61 | 0.033 | 3 | |
| 16-QAM | | | | 0 | | 20.56 | 0.026 | 3 | |
| 16-QAM | | | | 12 | | 20.54 | 0.026 | 3 | |
| 16-QAM | | | 12 | 6 | 2 | 20.57 | 0.026 | 3 | |
| 16-QAM | | | | 11 | | 20.57 | 0.026 | 3 | |
| 16-QAM | | | | 25 | | 20.68 | 0.026 | 3 | |

Note:

1. Measure Level (ERP) = Reading Level (dBm) + Antenna Gain(dBi) -2.15dB

2. power (W)= (10^{(power(dBm)/10)})*10⁻³

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) ERP | Limit (W) ERP |
|------------------|---------------------|------------|--------|-----------|-----|------------------------------|-------------------------|---------------|
| Band 14 10MHz | 23330 793 | QPSK | 1 | 0 | 0 | 22.60 | 0.041 | 3 |
| | | QPSK | | 24 | | 22.76 | 0.043 | 3 |
| | | QPSK | | 49 | | 22.57 | 0.041 | 3 |
| | | QPSK | 25 | 0 | 1 | 21.77 | 0.034 | 3 |
| | | QPSK | | 12 | | 21.76 | 0.034 | 3 |
| | | QPSK | | 24 | | 21.68 | 0.033 | 3 |
| | | QPSK | 50 | 0 | | 21.73 | 0.034 | 3 |
| | | 16-QAM | 1 | 0 | 1 | 22.20 | 0.038 | 3 |
| | | 16-QAM | | 24 | | 22.40 | 0.039 | 3 |
| | | 16-QAM | | 49 | | 22.17 | 0.037 | 3 |
| | | 16-QAM | 25 | 0 | 2 | 20.79 | 0.027 | 3 |
| | | 16-QAM | | 12 | | 20.77 | 0.027 | 3 |
| | | 16-QAM | | 24 | | 20.80 | 0.027 | 3 |
| | | 16-QAM | 50 | 0 | | 20.78 | 0.027 | 3 |

Note:

1. Measure Level (ERP) = Reading Level (dBm) + Antenna Gain(dBi) -2.15dB
2. power (W)= $(10^{(\text{power(dBm)}/10)}) * 10^{-3}$

| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 6: LTE Band 30 | | |
| Date of Test | 2021/06/04 | Test Site | SR12-H |
| Temperature(°C) | 23 | Humidity (%RH) | 68 |

| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | |
|-----------------|---------------------|-----------------|--------|-----------|-------|------------------------------|--------------------------|----------------|------|
| Band 30 5MHz | 27685 2307.5 | QPSK | 1 | 0 | 0 | 22.87 | 0.198 | 0.25 | |
| | | QPSK | | 12 | | 23.00 | 0.204 | 0.25 | |
| | | QPSK | | 24 | | 22.89 | 0.199 | 0.25 | |
| | | QPSK | 12 | 0 | 1 | 22.08 | 0.165 | 0.25 | |
| | | QPSK | | 6 | | 22.04 | 0.164 | 0.25 | |
| | | QPSK | | 11 | | 22.09 | 0.166 | 0.25 | |
| | | QPSK | 25 | 0 | 1 | 22.06 | 0.164 | 0.25 | |
| | | 16-QAM | | 0 | | 21.94 | 0.160 | 0.25 | |
| | | 16-QAM | | 12 | | 22.08 | 0.165 | 0.25 | |
| | | 16-QAM | 1 | 24 | 1 | 21.99 | 0.162 | 0.25 | |
| | | 16-QAM | | 0 | | 20.93 | 0.127 | 0.25 | |
| | | 16-QAM | | 12 | | 20.96 | 0.128 | 0.25 | |
| | 16-QAM | 12 | 6 | 2 | 20.94 | 0.127 | 0.25 | | |
| | 16-QAM | | 11 | | 20.94 | 0.127 | 0.25 | | |
| | 16-QAM | | 25 | | 21.05 | 0.130 | 0.25 | | |
| | QPSK | 27710 2310 | QPSK | 1 | 0 | 0 | 22.91 | 0.200 | 0.25 |
| | QPSK | | 12 | | 22.66 | | 0.189 | 0.25 | |
| | QPSK | | 24 | | 22.94 | | 0.201 | 0.25 | |
| | QPSK | | 12 | 0 | 1 | 22.18 | 0.169 | 0.25 | |
| | QPSK | | | 6 | | 22.17 | 0.169 | 0.25 | |
| | QPSK | | | 11 | | 22.07 | 0.165 | 0.25 | |
| | QPSK | | 25 | 0 | 1 | 22.10 | 0.166 | 0.25 | |
| | 16-QAM | | | 0 | | 21.88 | 0.158 | 0.25 | |
| | 16-QAM | | | 12 | | 22.09 | 0.166 | 0.25 | |
| | 16-QAM | | 1 | 24 | 1 | 21.91 | 0.159 | 0.25 | |
| | 16-QAM | | | 0 | | 21.10 | 0.132 | 0.25 | |
| | 16-QAM | | | 12 | | 21.05 | 0.130 | 0.25 | |
| | 16-QAM | 12 | 6 | 2 | 21.02 | 0.129 | 0.25 | | |
| | 16-QAM | | 11 | | 21.02 | 0.129 | 0.25 | | |
| | 16-QAM | | 25 | | 21.15 | 0.133 | 0.25 | | |
| | QPSK | 27735 2312.5 | QPSK | 1 | 0 | 0 | 22.44 | 0.179 | 0.25 |
| | QPSK | | 12 | | 22.59 | | 0.186 | 0.25 | |
| | QPSK | | 24 | | 22.49 | | 0.182 | 0.25 | |
| | QPSK | | 12 | 0 | 1 | 21.61 | 0.148 | 0.25 | |
| | QPSK | | | 6 | | 21.54 | 0.146 | 0.25 | |
| | QPSK | | | 11 | | 21.56 | 0.147 | 0.25 | |
| | QPSK | | 25 | 0 | 1 | 21.56 | 0.147 | 0.25 | |
| | 16-QAM | | | 0 | | 21.88 | 0.158 | 0.25 | |
| | 16-QAM | | | 12 | | 22.04 | 0.164 | 0.25 | |
| | 16-QAM | | 1 | 24 | 1 | 21.93 | 0.160 | 0.25 | |
| | 16-QAM | | | 0 | | 20.74 | 0.121 | 0.25 | |
| | 16-QAM | | | 12 | | 20.77 | 0.122 | 0.25 | |
| | 16-QAM | 12 | 6 | 2 | 20.74 | 0.121 | 0.25 | | |
| | 16-QAM | | 11 | | 20.74 | 0.121 | 0.25 | | |
| | 16-QAM | | 25 | | 20.58 | 0.117 | 0.25 | | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)

2. power (W)= (10^{(power(dBm)/10)})*10⁻³

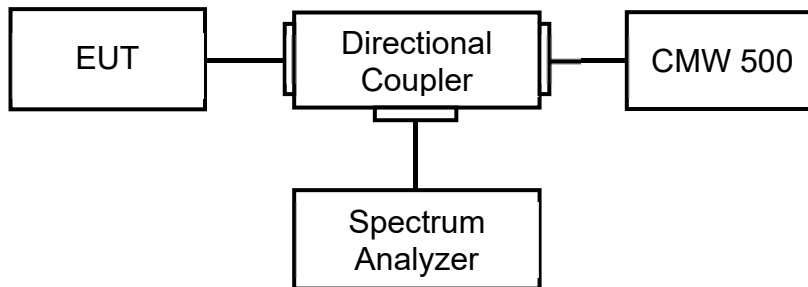
| Band | Channel Freq. (MHz) | Modulation | RB No. | RB offset | MPR | Conducted Output Power (dBm) | RF Output Power (W) EIRP | Limit (W) EIRP | | |
|------------------|---------------------|------------|--------|-----------|-------|------------------------------|--------------------------|----------------|-------|------|
| Band 30 10MHz | 27710 2310 | QPSK | 1 | 0 | 0 | 22.52 | 0.183 | 0.25 | | |
| | | QPSK | | 24 | | 23.08 | 0.208 | 0.25 | | |
| | | QPSK | | 49 | | 22.51 | 0.182 | 0.25 | | |
| | | QPSK | 25 | 50 | 0 | 1 | 22.14 | 0.167 | 0.25 | |
| | | QPSK | | | 12 | | 22.22 | 0.171 | 0.25 | |
| | | QPSK | | | 24 | | 21.90 | 0.158 | 0.25 | |
| | | QPSK | 1 | 1 | 0 | 1 | 22.16 | 0.168 | 0.25 | |
| | | 16-QAM | | | 0 | | 22.14 | 0.167 | 0.25 | |
| | | 16-QAM | | | 24 | | 22.46 | 0.180 | 0.25 | |
| | | 16-QAM | | 2 | 25 | 49 | 2 | 22.32 | 0.175 | 0.25 |
| | | 16-QAM | | | | 0 | | 21.15 | 0.133 | 0.25 |
| | | 16-QAM | | | | 12 | | 20.98 | 0.128 | 0.25 |
| | | 16-QAM | | | | 24 | | 20.67 | 0.119 | 0.25 |
| | | 16-QAM | 50 | 0 | 21.10 | 0.132 | 0.25 | | | |

Note:

1. Measure Level (EIRP) = Reading Level (dBm) + Antenna Gain(dBi)
2. power (W) = $(10^{(\text{power(dBm)}/10)}) * 10^{-3}$

4. Occupied Bandwidth

4.1. Test Setup



4.2. Test Procedure

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The 26 dB bandwidth and 99% occupied bandwidth of the low & middle & high channel for the highest RF powers were measured.

4.3. Test Method

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 4.2 & 4.3

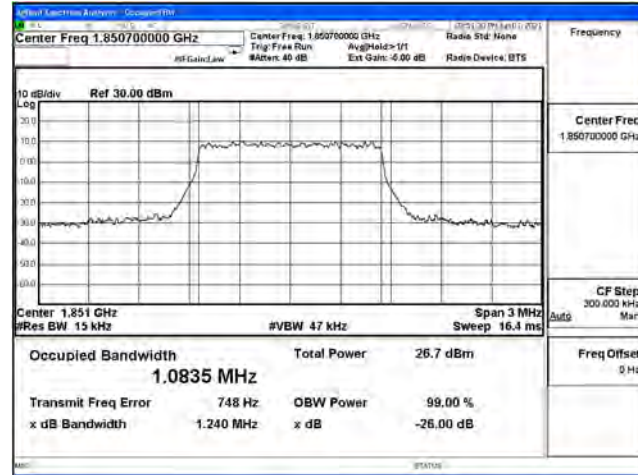
ANSI C63.26: 2015 Sub-clause 5.4.3 & 5.4.4

4.4. Test Result

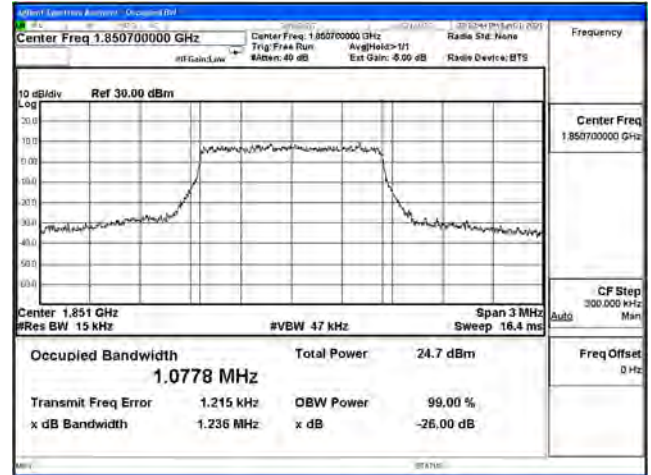
| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 1: LTE Band 2 | | |
| Date of Test | 2021/06/01 | Test Site | SR10-H |
| Temperature(°C) | 26 | Humidity (%RH) | 60 |

| LTE Band2_Full RB | | | | | |
|-------------------|------------|-----------------|---------------------|--------|-------------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | Measure Level (MHz) | | Limit (MHz) |
| | | | 26dB BW | 99% BW | |
| 1.4M | QPSK | 1850.7 | 1.240 | 1.083 | N/A |
| | | 1880 | 1.238 | 1.076 | N/A |
| | | 1909.3 | 1.250 | 1.077 | N/A |
| | 16-QAM | 1850.7 | 1.236 | 1.077 | N/A |
| | | 1880 | 1.264 | 1.079 | N/A |
| | | 1909.3 | 1.211 | 1.074 | N/A |
| 3M | QPSK | 1851.5 | 2.844 | 2.677 | N/A |
| | | 1880 | 2.850 | 2.683 | N/A |
| | | 1908.5 | 2.853 | 2.674 | N/A |
| | 16-QAM | 1851.5 | 2.856 | 2.674 | N/A |
| | | 1880 | 2.851 | 2.677 | N/A |
| | | 1908.5 | 2.856 | 2.671 | N/A |
| 5M | QPSK | 1852.5 | 4.833 | 4.477 | N/A |
| | | 1880 | 4.788 | 4.481 | N/A |
| | | 1907.5 | 4.800 | 4.451 | N/A |
| | 16-QAM | 1852.5 | 4.779 | 4.462 | N/A |
| | | 1880 | 4.814 | 4.468 | N/A |
| | | 1907.5 | 4.831 | 4.455 | N/A |
| 10M | QPSK | 1855 | 9.577 | 8.944 | N/A |
| | | 1880 | 9.646 | 8.932 | N/A |
| | | 1905 | 9.551 | 8.939 | N/A |
| | 16-QAM | 1855 | 9.549 | 8.937 | N/A |
| | | 1880 | 9.558 | 8.948 | N/A |
| | | 1905 | 9.479 | 8.937 | N/A |
| 15M | QPSK | 1857.5 | 14.410 | 13.407 | N/A |
| | | 1880 | 14.310 | 13.414 | N/A |
| | | 1902.5 | 14.370 | 13.437 | N/A |
| | 16-QAM | 1857.5 | 14.230 | 13.380 | N/A |
| | | 1880 | 14.160 | 13.421 | N/A |
| | | 1902.5 | 14.140 | 13.453 | N/A |
| 20M | QPSK | 1860 | 18.870 | 17.817 | N/A |
| | | 1880 | 18.930 | 17.863 | N/A |
| | | 1900 | 19.310 | 17.962 | N/A |
| | 16-QAM | 1860 | 18.720 | 17.860 | N/A |
| | | 1880 | 18.990 | 17.905 | N/A |
| | | 1900 | 19.050 | 17.898 | N/A |

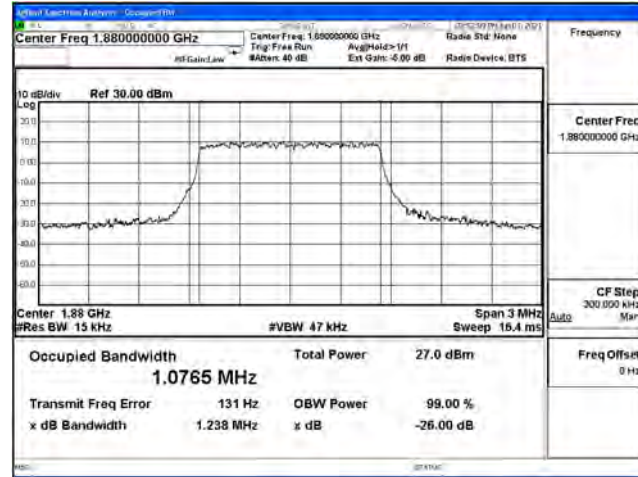
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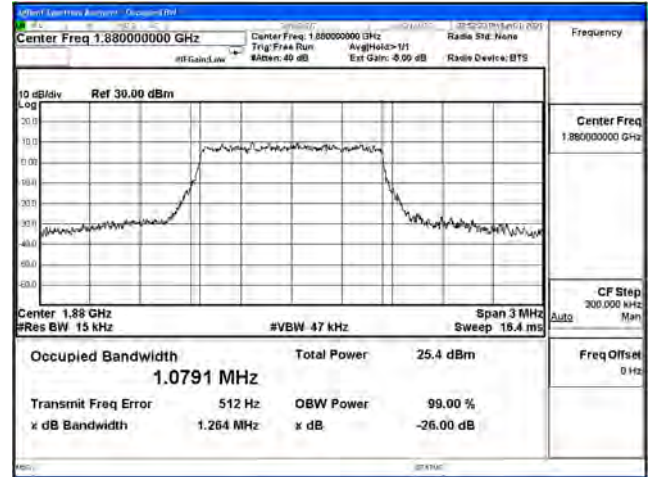
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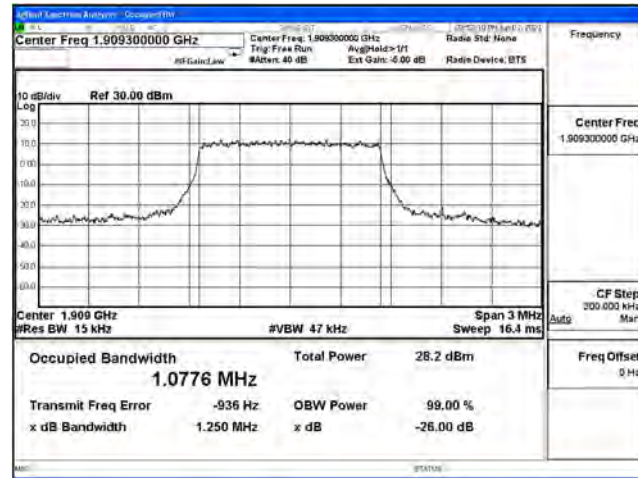
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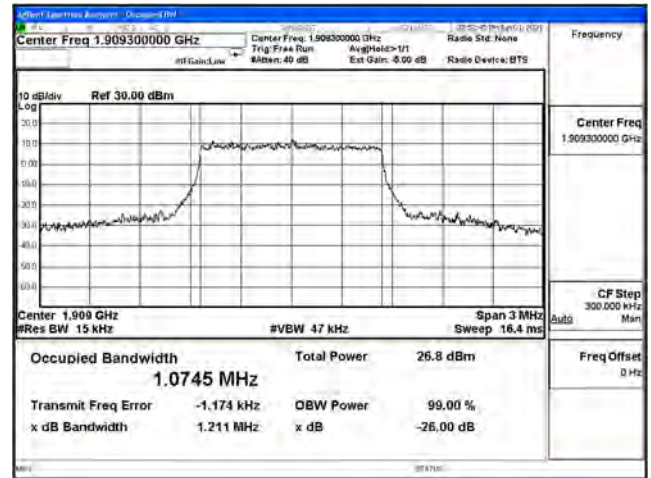
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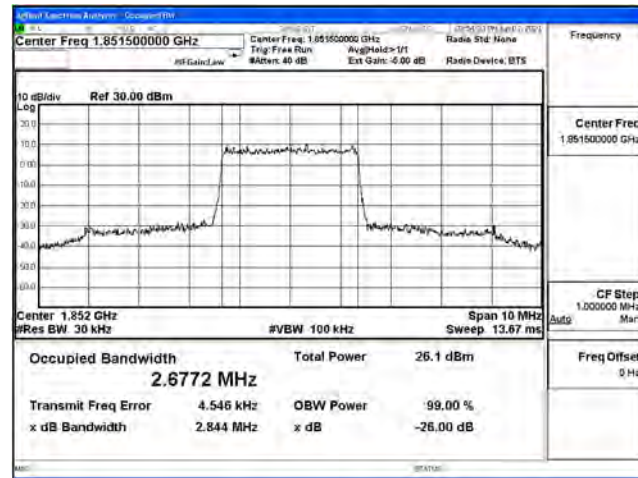
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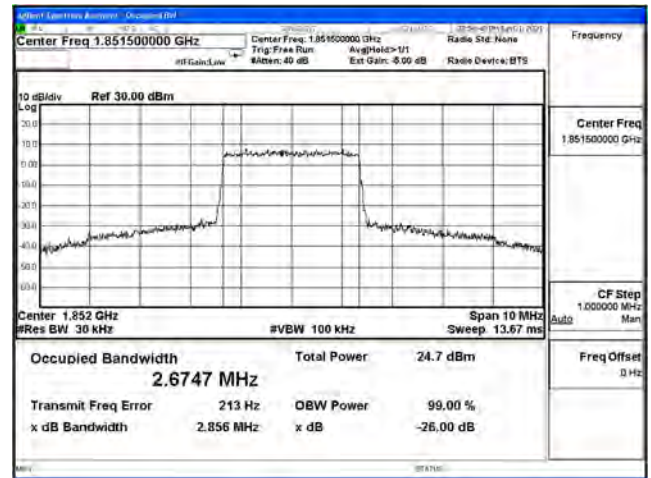
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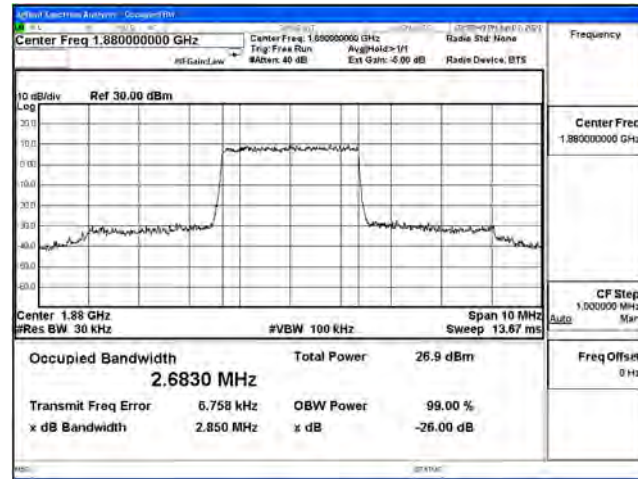
LTE B2 CH18615 3M QPSK 15RB0



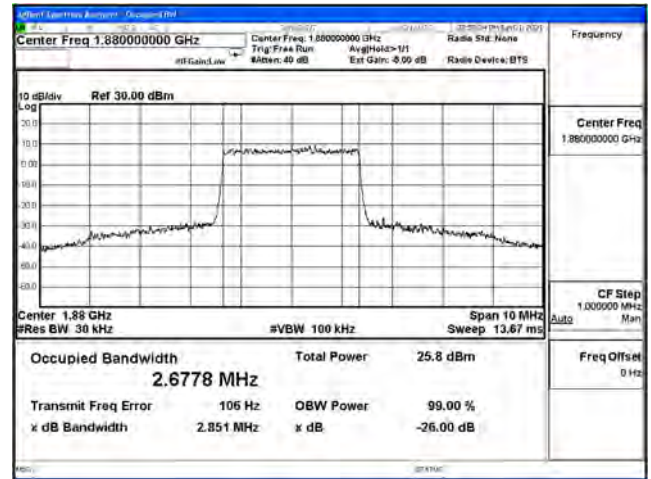
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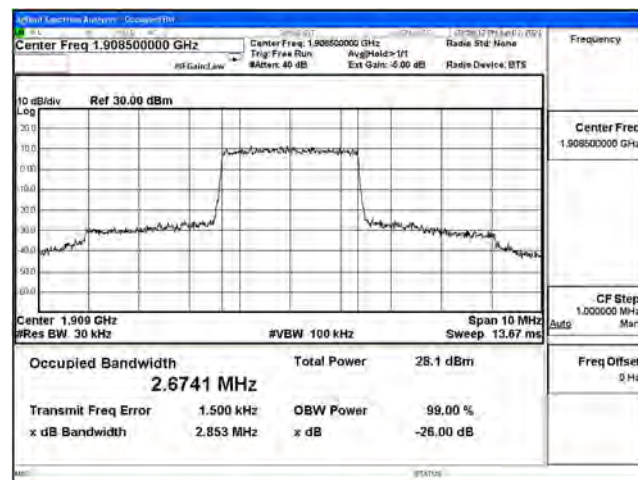
LTE B2 CH18900 3M QPSK 15RB0



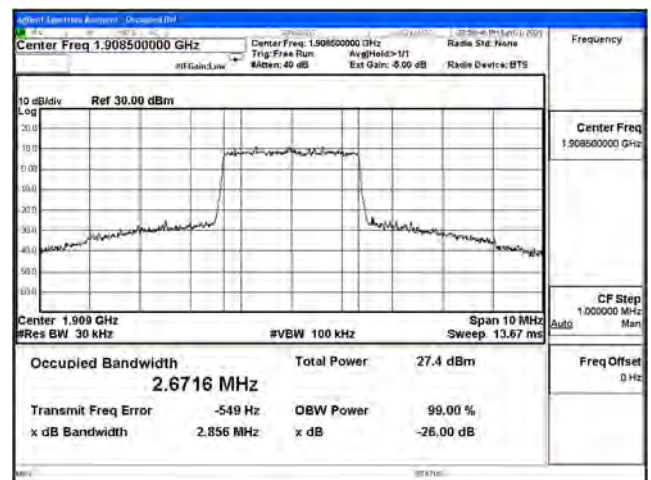
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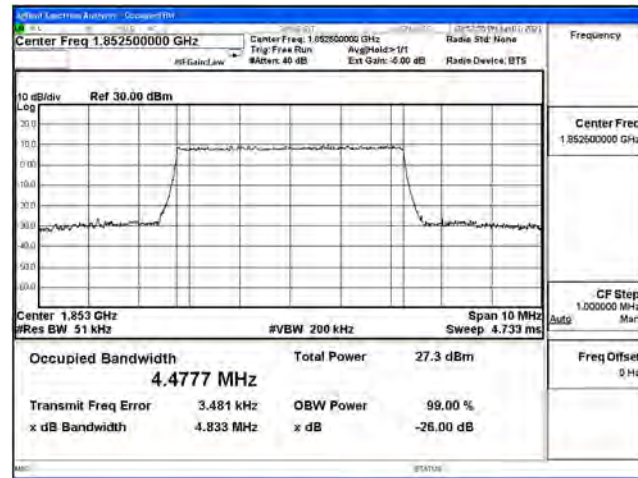
LTE B2 CH19185 3M QPSK 15RB0



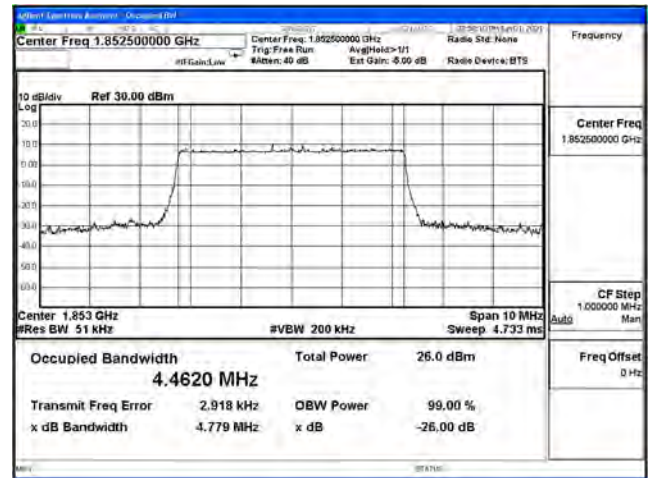
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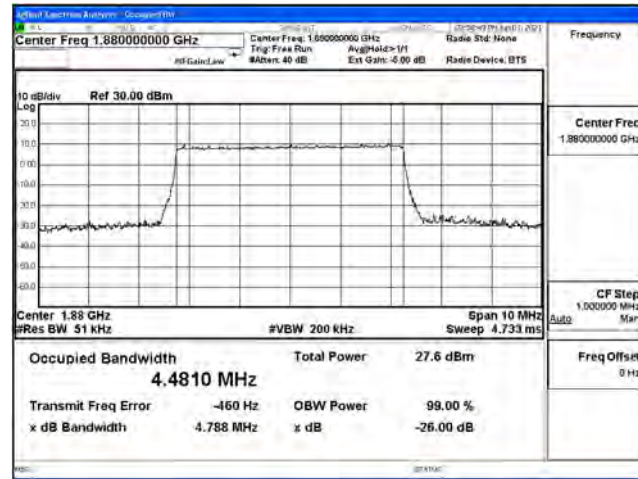
LTE B2 CH18625 5M QPSK 25RB0



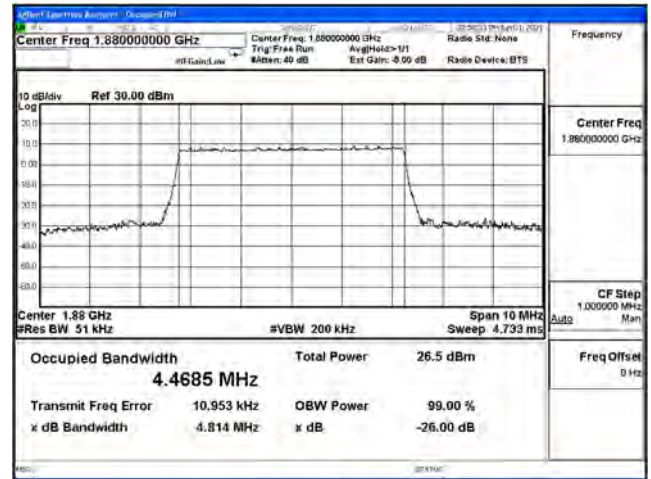
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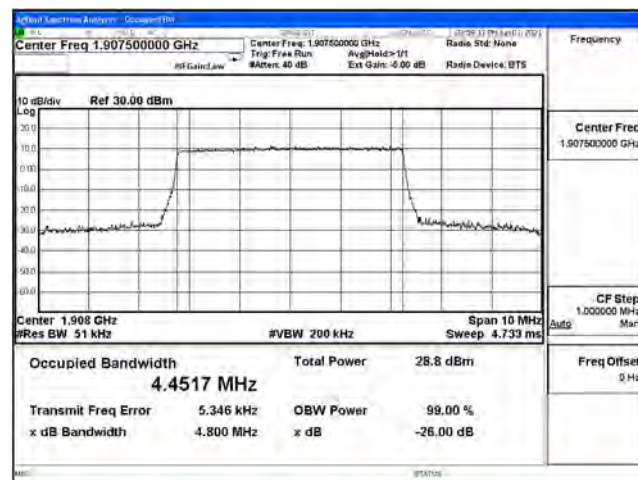
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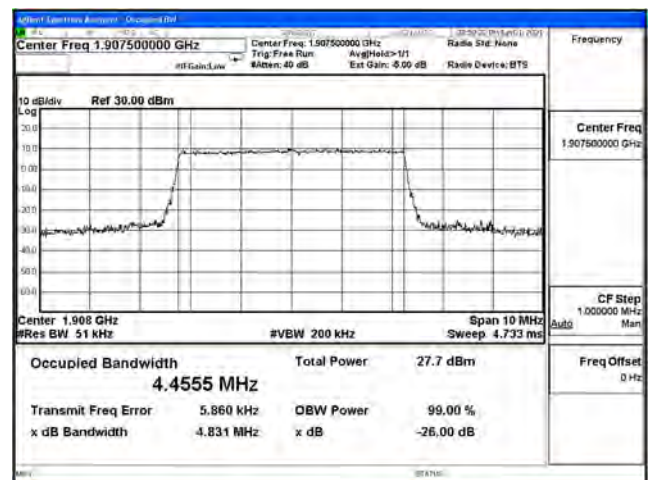
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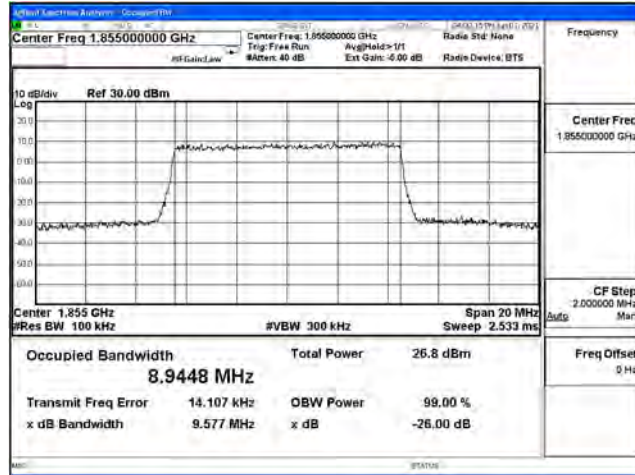
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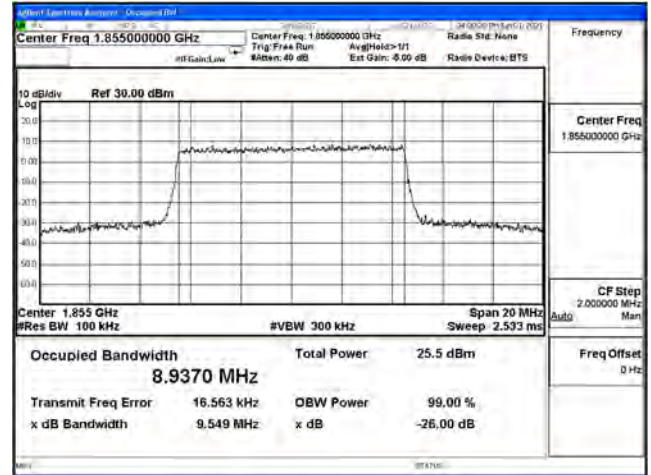
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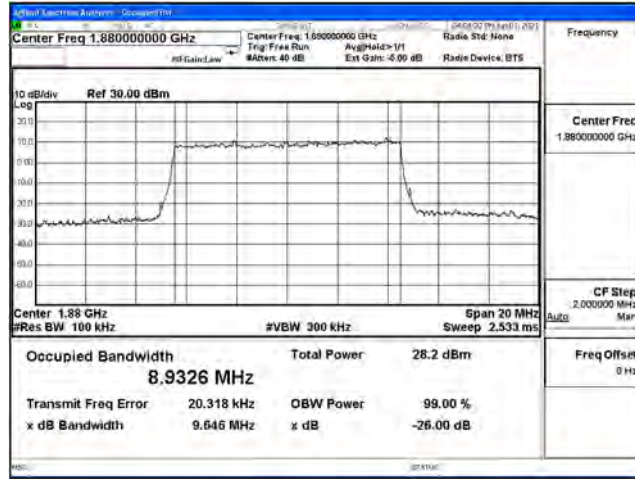
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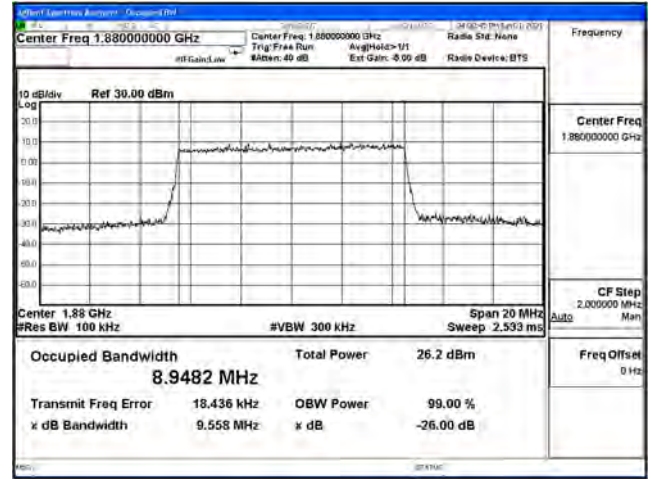
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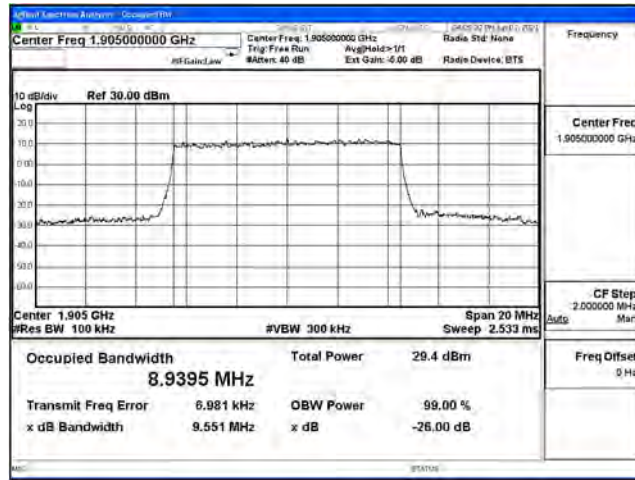
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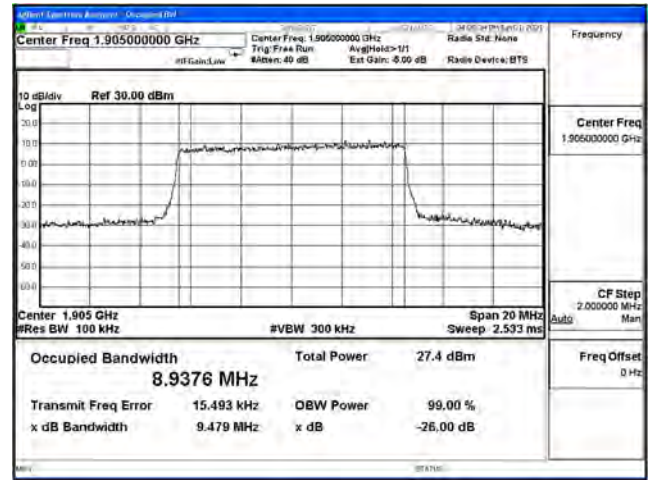
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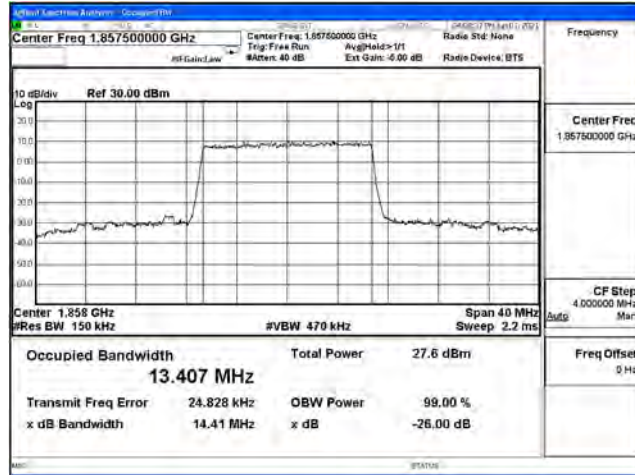
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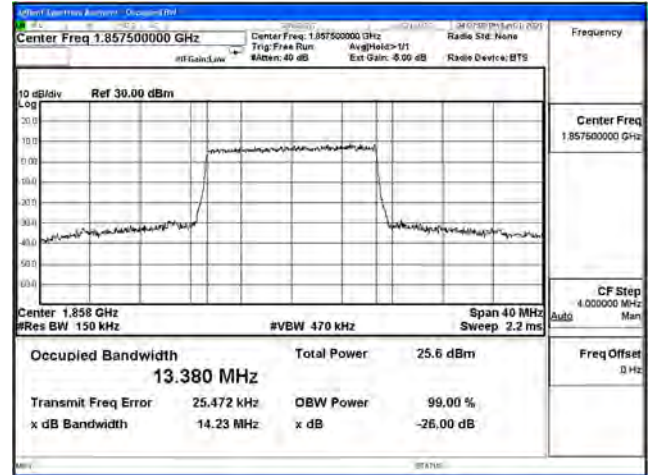
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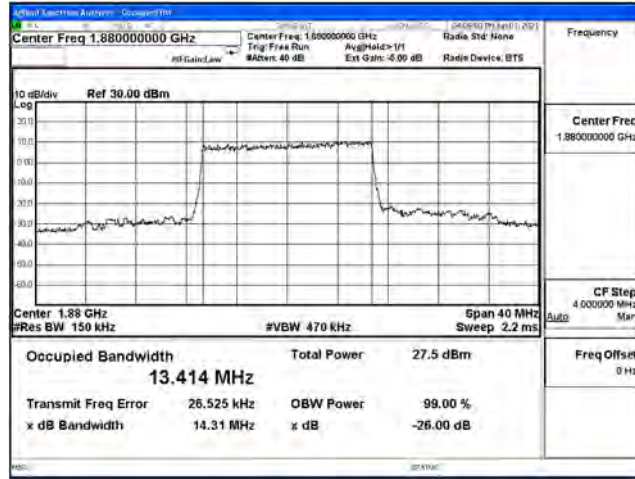
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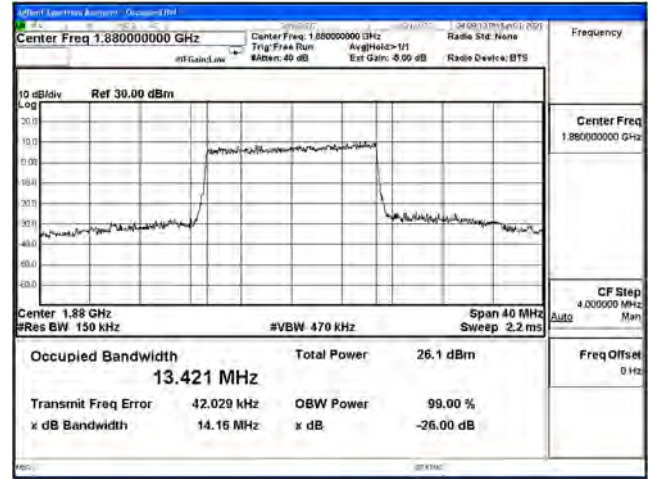
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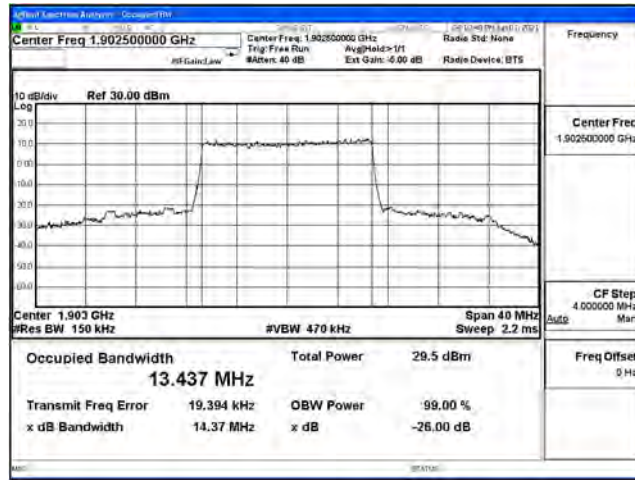
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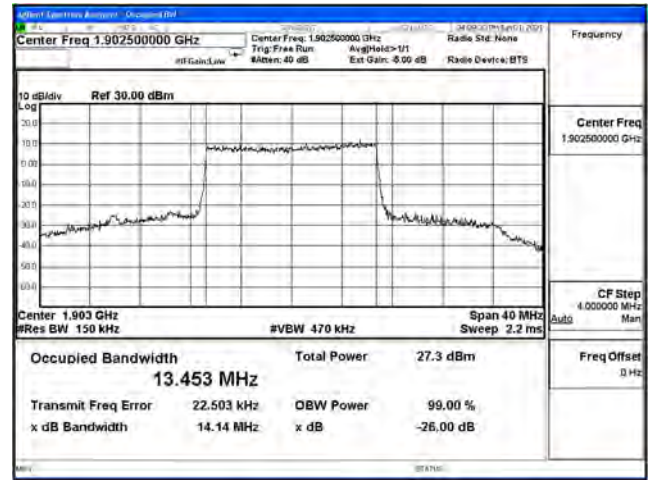
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LTE_B2_CH19125_15M_QPSK_75RB0



LTE_B2_CH19125_15M_16-QAM_75RB0



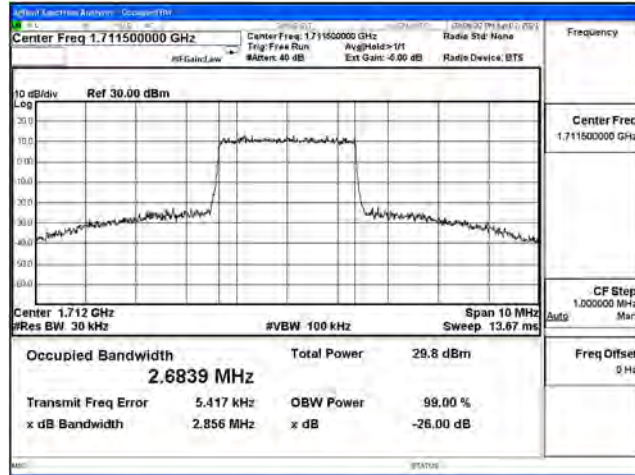
| LTE B2 CH18700 20M QPSK 100RB0 | LTE_B2_CH18700_20M_16-QAM_100RB0 |
|---|---|
| <p>Center Freq 1.860000000 GHz</p> <p>Center Freq 1.860000000 GHz</p> <p>Occupied Bandwidth 17.817 MHz</p> <p>Total Power 26.9 dBm</p> <p>Transmit Freq Error 29.370 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 18.87 MHz</p> <p>x dB -26.00 dB</p> | <p>Center Freq 1.860000000 GHz</p> <p>Center Freq 1.860000000 GHz</p> <p>Occupied Bandwidth 17.860 MHz</p> <p>Total Power 25.5 dBm</p> <p>Transmit Freq Error 31.151 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 18.72 MHz</p> <p>x dB -26.00 dB</p> |
| LTE B2 CH18900 20M QPSK 100RB0 | LTE_B2_CH18900_20M_16-QAM_100RB0 |
| <p>Center Freq 1.880000000 GHz</p> <p>Center Freq 1.880000000 GHz</p> <p>Occupied Bandwidth 17.863 MHz</p> <p>Total Power 26.7 dBm</p> <p>Transmit Freq Error 60.153 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 18.93 MHz</p> <p>x dB -26.00 dB</p> | <p>Center Freq 1.880000000 GHz</p> <p>Center Freq 1.880000000 GHz</p> <p>Occupied Bandwidth 17.905 MHz</p> <p>Total Power 26.4 dBm</p> <p>Transmit Freq Error 47.539 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 18.99 MHz</p> <p>x dB -26.00 dB</p> |
| LTE B2 CH19100 20M QPSK 100RB0 | LTE_B2_CH19100_20M_16-QAM_100RB0 |
| <p>Center Freq 1.900000000 GHz</p> <p>Center Freq 1.900000000 GHz</p> <p>Occupied Bandwidth 17.962 MHz</p> <p>Total Power 29.6 dBm</p> <p>Transmit Freq Error 12.486 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.31 MHz</p> <p>x dB -26.00 dB</p> | <p>Center Freq 1.900000000 GHz</p> <p>Center Freq 1.900000000 GHz</p> <p>Occupied Bandwidth 17.898 MHz</p> <p>Total Power 27.6 dBm</p> <p>Transmit Freq Error 30.604 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.05 MHz</p> <p>x dB -26.00 dB</p> |

| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 2: LTE Band 4 | | |
| Date of Test | 2021/06/01 | Test Site | SR10-H |
| Temperature(°C) | 26 | Humidity (%RH) | 60 |

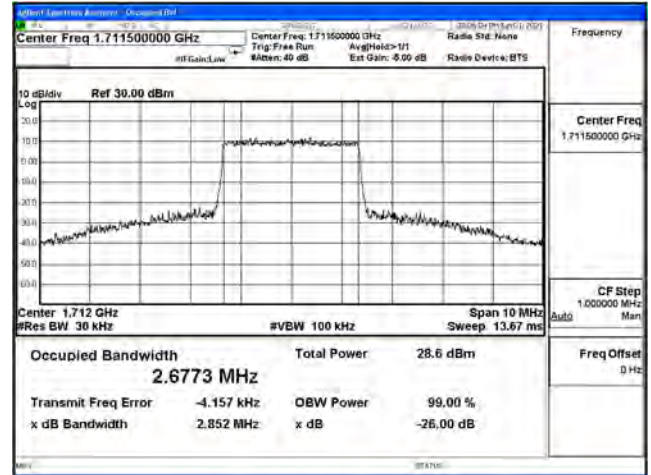
| LTE Band4_Full RB | | | | | |
|-------------------|------------|-----------------|---------------------|--------|-------------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | Measure Level (MHz) | | Limit (MHz) |
| | | | 26dB BW | 99% BW | |
| 1.4M | QPSK | 1710.7 | 1.247 | 1.083 | N/A |
| | | 1732.5 | 1.233 | 1.077 | N/A |
| | | 1754.3 | 1.242 | 1.076 | N/A |
| | 16-QAM | 1710.7 | 1.236 | 1.078 | N/A |
| | | 1732.5 | 1.269 | 1.078 | N/A |
| | | 1754.3 | 1.209 | 1.073 | N/A |
| 3M | QPSK | 1711.5 | 2.856 | 2.683 | N/A |
| | | 1732.5 | 2.862 | 2.675 | N/A |
| | | 1753.5 | 2.868 | 2.677 | N/A |
| | 16-QAM | 1711.5 | 2.852 | 2.677 | N/A |
| | | 1732.5 | 2.850 | 2.673 | N/A |
| | | 1753.5 | 2.858 | 2.672 | N/A |
| 5M | QPSK | 1712.5 | 4.829 | 4.474 | N/A |
| | | 1732.5 | 4.824 | 4.610 | N/A |
| | | 1752.2 | 4.829 | 4.480 | N/A |
| | 16-QAM | 1712.5 | 4.824 | 4.465 | N/A |
| | | 1732.5 | 4.841 | 4.465 | N/A |
| | | 1752.2 | 4.769 | 4.462 | N/A |
| 10M | QPSK | 1715 | 9.493 | 8.940 | N/A |
| | | 1732.5 | 9.542 | 8.940 | N/A |
| | | 1750 | 9.620 | 8.950 | N/A |
| | 16-QAM | 1715 | 9.482 | 8.944 | N/A |
| | | 1732.5 | 9.546 | 8.941 | N/A |
| | | 1750 | 9.563 | 8.939 | N/A |
| 15M | QPSK | 1717.5 | 14.290 | 13.396 | N/A |
| | | 1732.5 | 14.320 | 13.407 | N/A |
| | | 1747.5 | 14.300 | 13.427 | N/A |
| | 16-QAM | 1717.5 | 14.300 | 13.421 | N/A |
| | | 1732.5 | 14.250 | 13.413 | N/A |
| | | 1747.5 | 14.260 | 13.409 | N/A |
| 20M | QPSK | 1720 | 18.870 | 17.881 | N/A |
| | | 1732.5 | 18.950 | 17.835 | N/A |
| | | 1745 | 19.160 | 17.901 | N/A |
| | 16-QAM | 1720 | 19.020 | 17.910 | N/A |
| | | 1732.5 | 18.900 | 17.859 | N/A |
| | | 1745 | 18.870 | 17.847 | N/A |

| B4_CH19957_1.4M_QPSK_6RB0 | B4_CH19957_1.4M_16-QAM_6RB0 |
|---|---|
| <p>Center Freq 1.710700000 GHz</p> <p>Center Freq: 1.710700000 GHz</p> <p>Trig: Free Run</p> <p>Avg: Hold > 1/1</p> <p>#Aver: 40 dB</p> <p>Ext Gain: -0.00 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Center Freq: 1.710700000 GHz</p> <p>CF Step: 300.000 kHz</p> <p>Center 1.711 GHz</p> <p>#Res BW 15 kHz</p> <p>#VBW 47 kHz</p> <p>Span 3 MHz</p> <p>Sweep 16.4 ms</p> <p>Occupied Bandwidth: 1.0836 MHz</p> <p>Total Power: 30.4 dBm</p> <p>Transmit Freq Error: 763 Hz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 1.247 MHz</p> <p>x dB: -26.00 dB</p> <p>Freq Offset: 0 Hz</p> | <p>Center Freq 1.710700000 GHz</p> <p>Center Freq: 1.710700000 GHz</p> <p>Trig: Free Run</p> <p>Avg: Hold > 1/1</p> <p>#Aver: 40 dB</p> <p>Ext Gain: -0.00 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Center Freq: 1.710700000 GHz</p> <p>CF Step: 300.000 kHz</p> <p>Center 1.711 GHz</p> <p>#Res BW 15 kHz</p> <p>#VBW 47 kHz</p> <p>Span 3 MHz</p> <p>Sweep 16.4 ms</p> <p>Occupied Bandwidth: 1.0784 MHz</p> <p>Total Power: 28.7 dBm</p> <p>Transmit Freq Error: -120 Hz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 1.236 MHz</p> <p>x dB: -26.00 dB</p> <p>Freq Offset: 0 Hz</p> |
| <p>B4_CH20175_1.4M_QPSK_6RB0</p> | <p>B4_CH20175_1.4M_16-QAM_6RB0</p> |
| <p>Center Freq 1.732500000 GHz</p> <p>Center Freq: 1.732500000 GHz</p> <p>Trig: Free Run</p> <p>Avg: Hold > 1/1</p> <p>#Aver: 40 dB</p> <p>Ext Gain: -0.00 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Center Freq: 1.732500000 GHz</p> <p>CF Step: 300.000 kHz</p> <p>Center 1.733 GHz</p> <p>#Res BW 15 kHz</p> <p>#VBW 47 kHz</p> <p>Span 3 MHz</p> <p>Sweep 16.4 ms</p> <p>Occupied Bandwidth: 1.0775 MHz</p> <p>Total Power: 29.4 dBm</p> <p>Transmit Freq Error: -52 Hz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 1.233 MHz</p> <p>x dB: -26.00 dB</p> <p>Freq Offset: 0 Hz</p> | <p>Center Freq 1.732500000 GHz</p> <p>Center Freq: 1.732500000 GHz</p> <p>Trig: Free Run</p> <p>Avg: Hold > 1/1</p> <p>#Aver: 40 dB</p> <p>Ext Gain: -0.00 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Center Freq: 1.732500000 GHz</p> <p>CF Step: 300.000 kHz</p> <p>Center 1.733 GHz</p> <p>#Res BW 15 kHz</p> <p>#VBW 47 kHz</p> <p>Span 3 MHz</p> <p>Sweep 16.4 ms</p> <p>Occupied Bandwidth: 1.0789 MHz</p> <p>Total Power: 28.2 dBm</p> <p>Transmit Freq Error: -93 Hz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 1.269 MHz</p> <p>x dB: -26.00 dB</p> <p>Freq Offset: 0 Hz</p> |
| <p>B4_CH20393_1.4M_QPSK_6RB0</p> | <p>B4_CH20393_1.4M_16-QAM_6RB0</p> |
| <p>Center Freq 1.754300000 GHz</p> <p>Center Freq: 1.754300000 GHz</p> <p>Trig: Free Run</p> <p>Avg: Hold > 1/1</p> <p>#Aver: 40 dB</p> <p>Ext Gain: -0.00 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Center Freq: 1.754300000 GHz</p> <p>CF Step: 300.000 kHz</p> <p>Center 1.754 GHz</p> <p>#Res BW 15 kHz</p> <p>#VBW 47 kHz</p> <p>Span 3 MHz</p> <p>Sweep 16.4 ms</p> <p>Occupied Bandwidth: 1.0763 MHz</p> <p>Total Power: 28.6 dBm</p> <p>Transmit Freq Error: 426 Hz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 1.242 MHz</p> <p>x dB: -26.00 dB</p> <p>Freq Offset: 0 Hz</p> | <p>Center Freq 1.754300000 GHz</p> <p>Center Freq: 1.754300000 GHz</p> <p>Trig: Free Run</p> <p>Avg: Hold > 1/1</p> <p>#Aver: 40 dB</p> <p>Ext Gain: -0.00 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Center Freq: 1.754300000 GHz</p> <p>CF Step: 300.000 kHz</p> <p>Center 1.754 GHz</p> <p>#Res BW 15 kHz</p> <p>#VBW 47 kHz</p> <p>Span 3 MHz</p> <p>Sweep 16.4 ms</p> <p>Occupied Bandwidth: 1.0732 MHz</p> <p>Total Power: 27.4 dBm</p> <p>Transmit Freq Error: -1.441 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 1.209 MHz</p> <p>x dB: -26.00 dB</p> <p>Freq Offset: 0 Hz</p> |

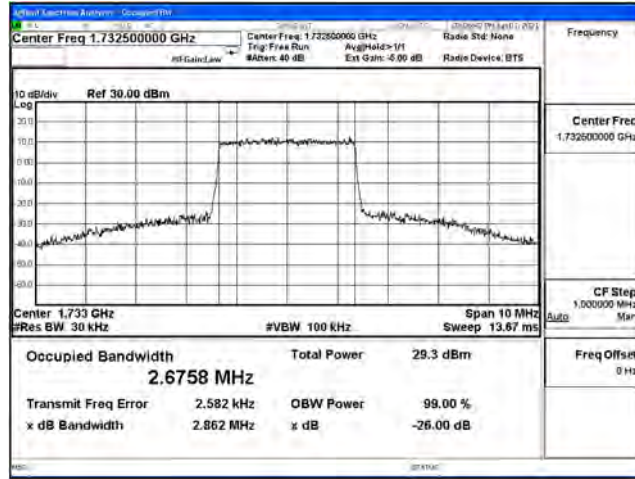
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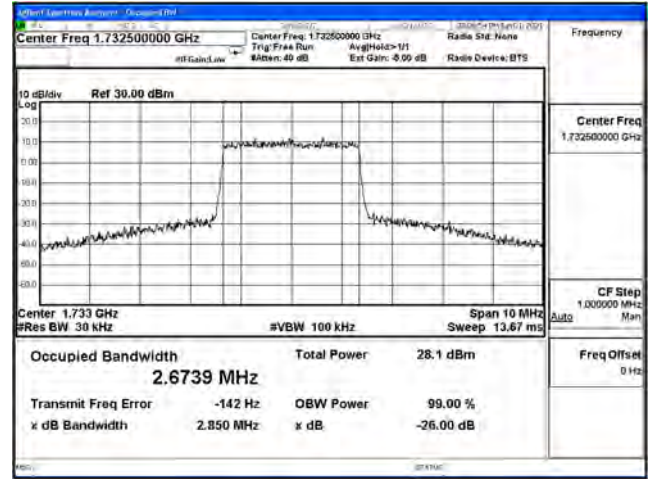
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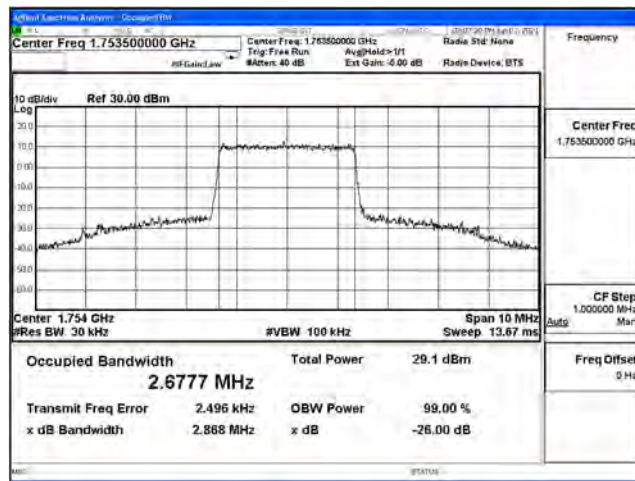
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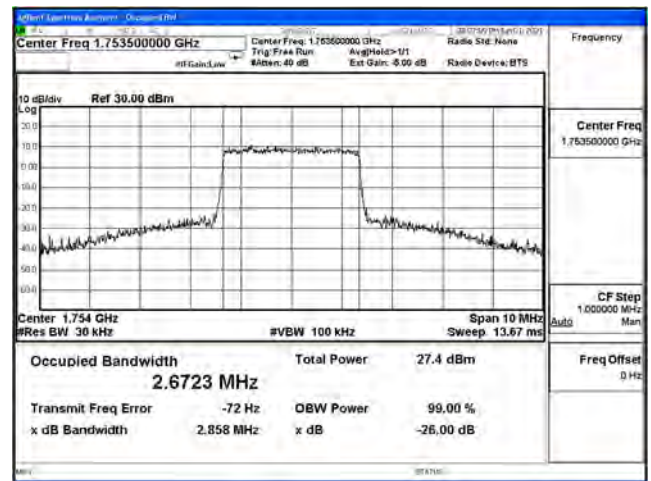
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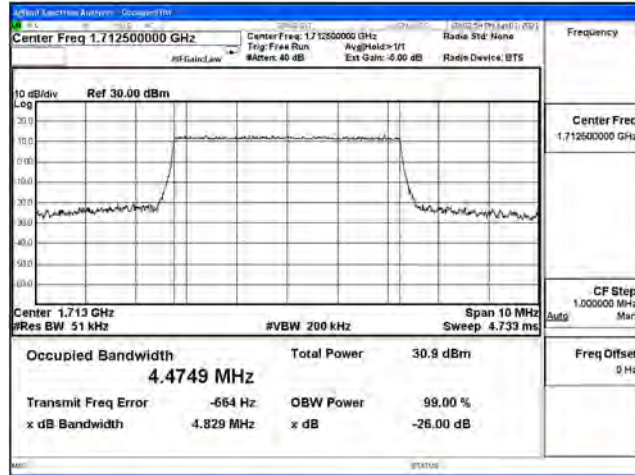
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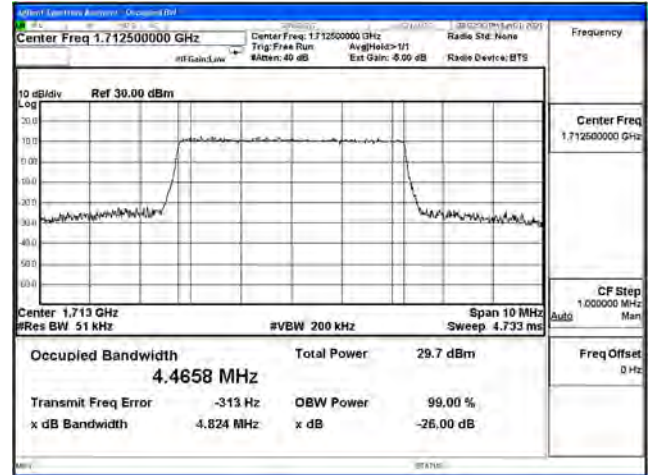
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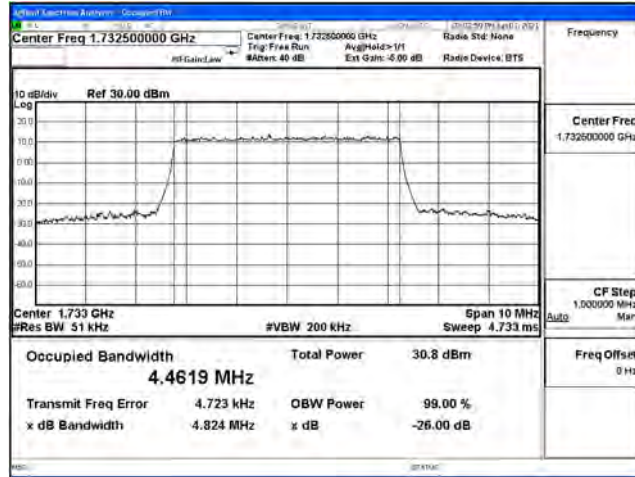
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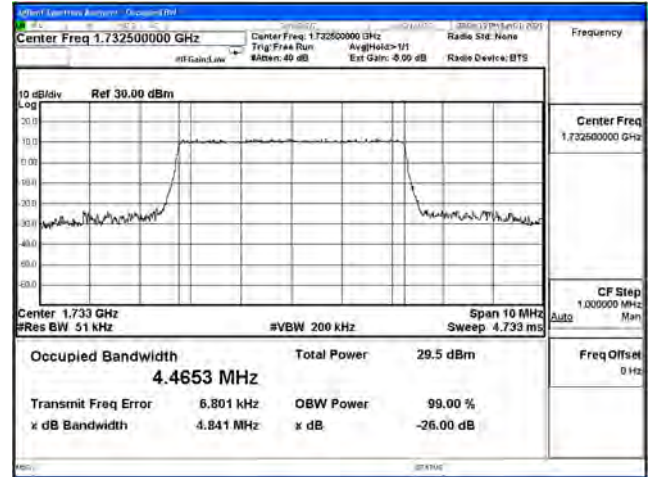
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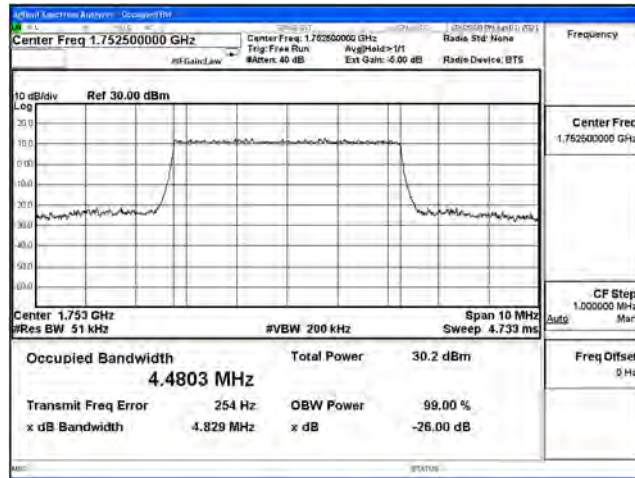
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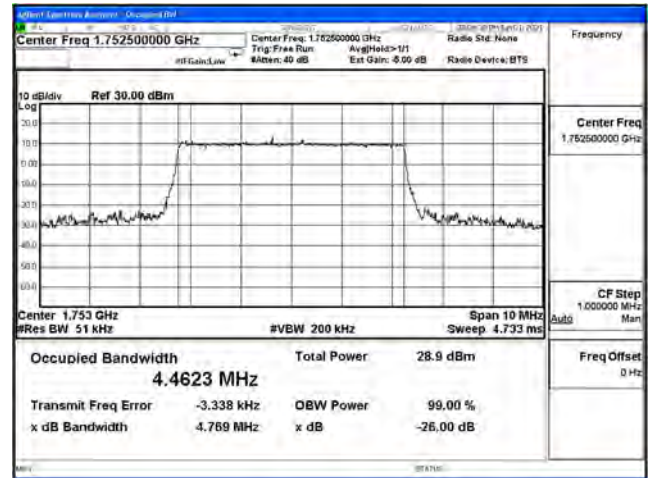
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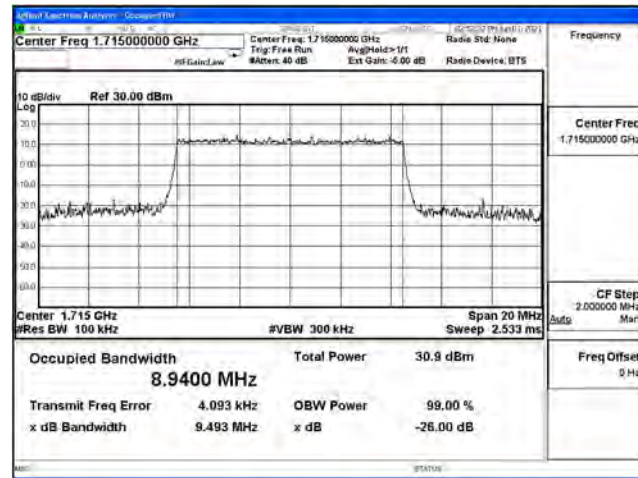
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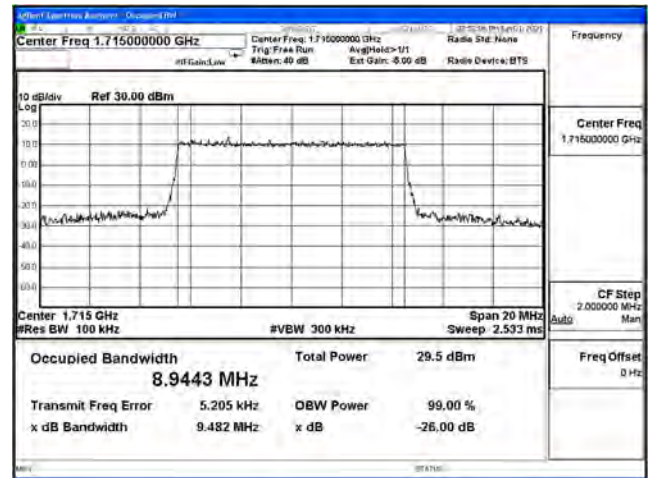
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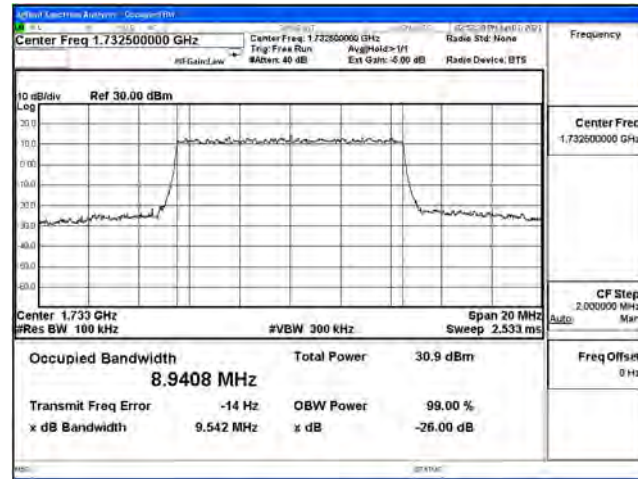
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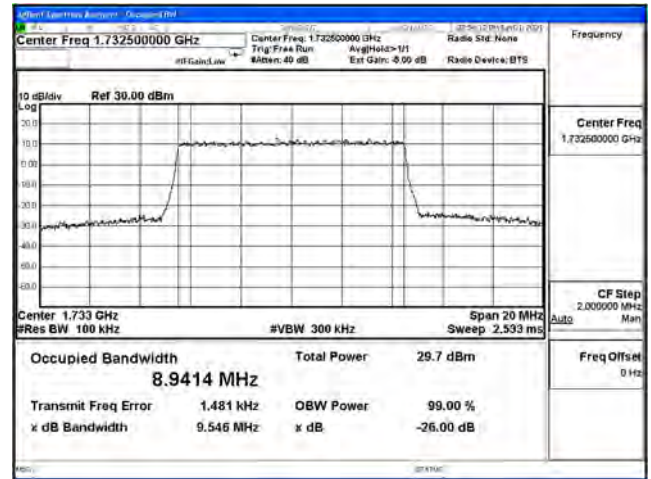
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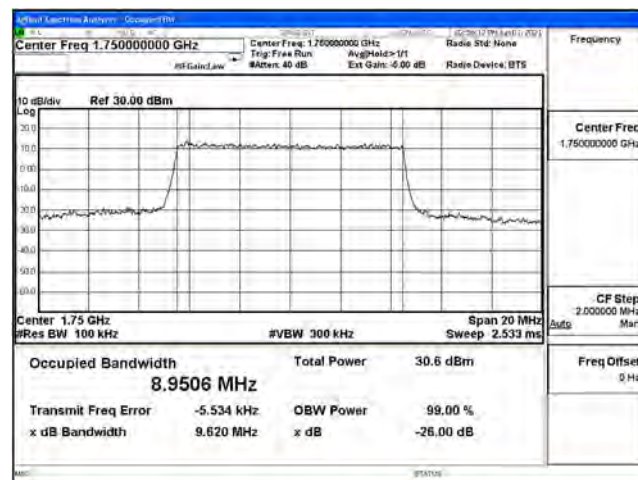
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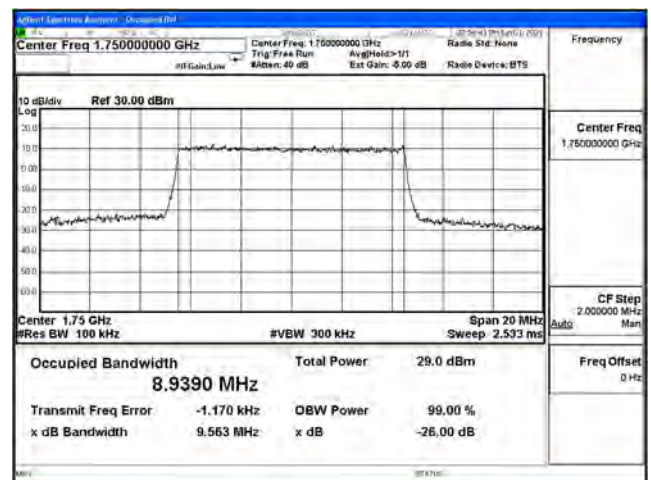
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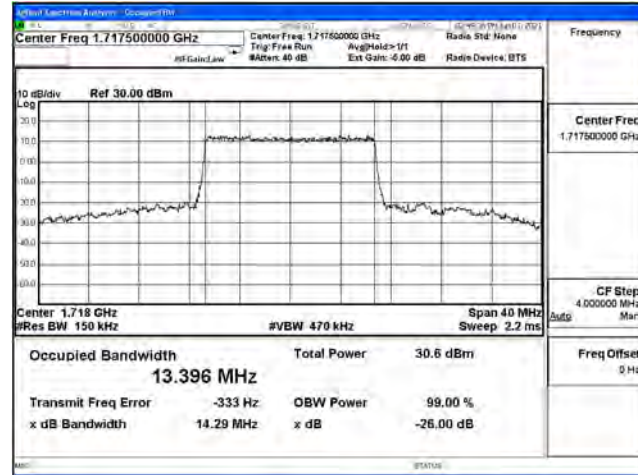
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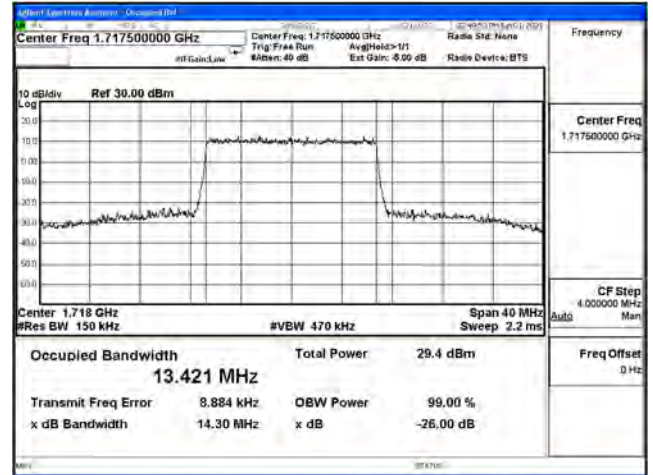
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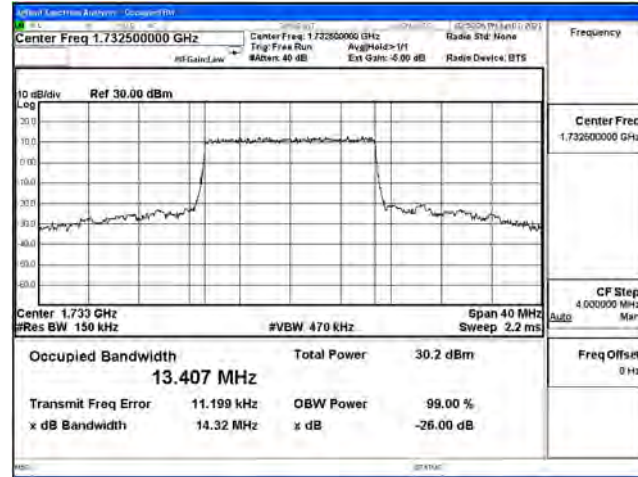
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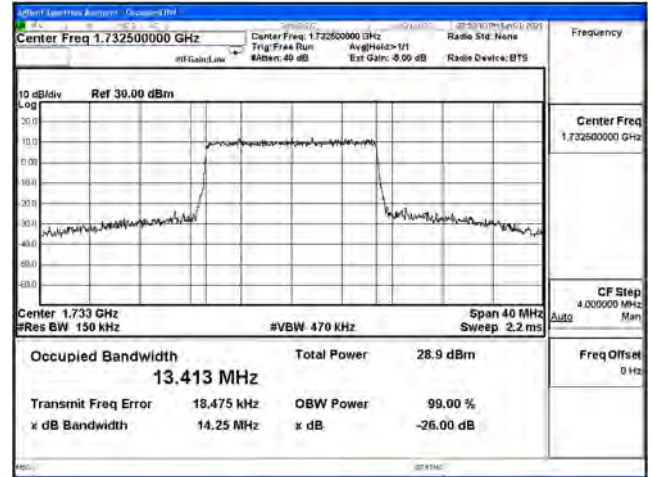
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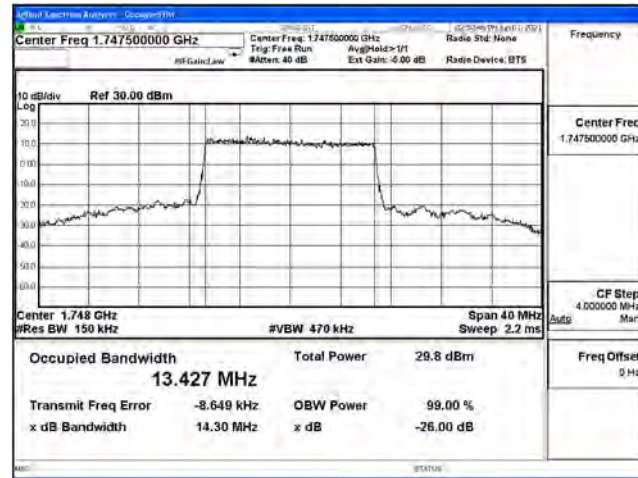
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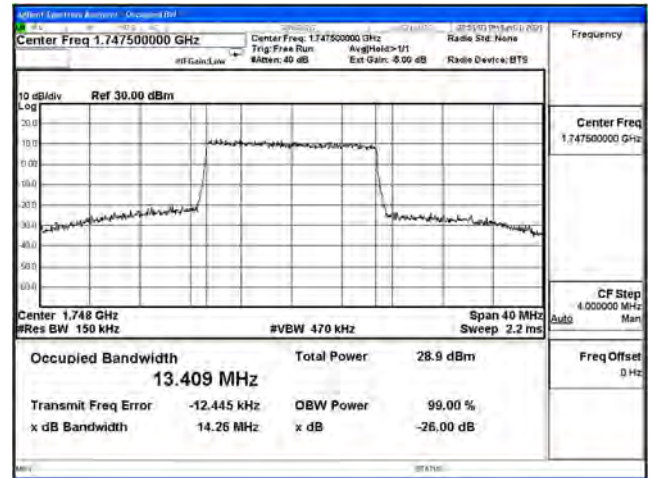
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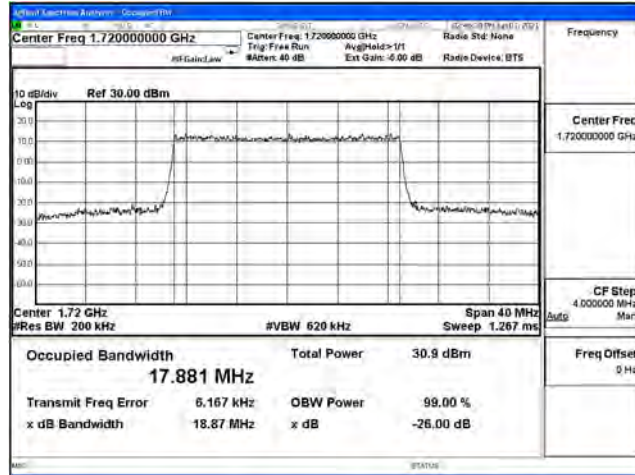
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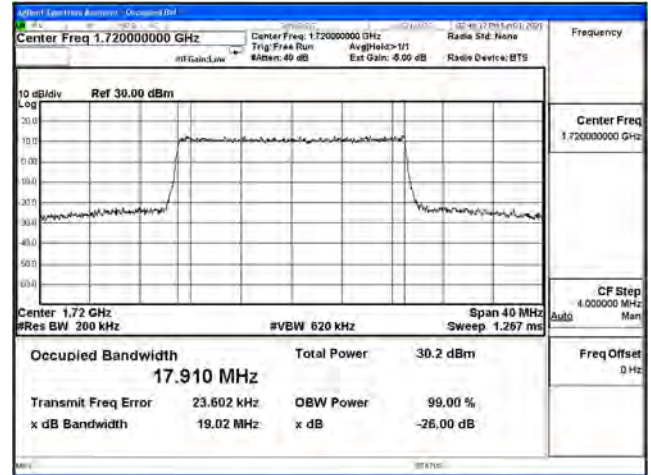
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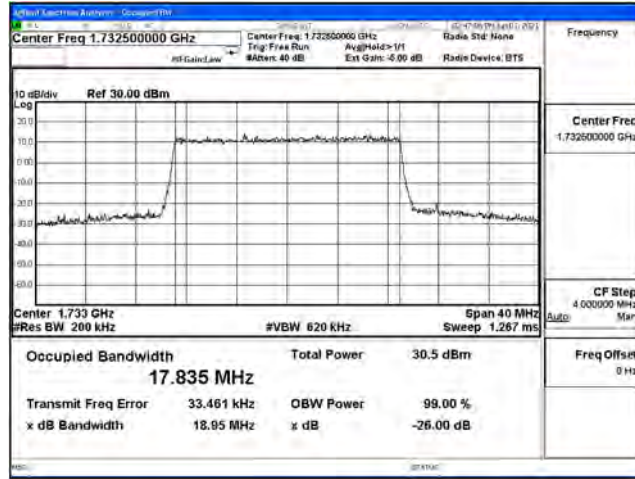
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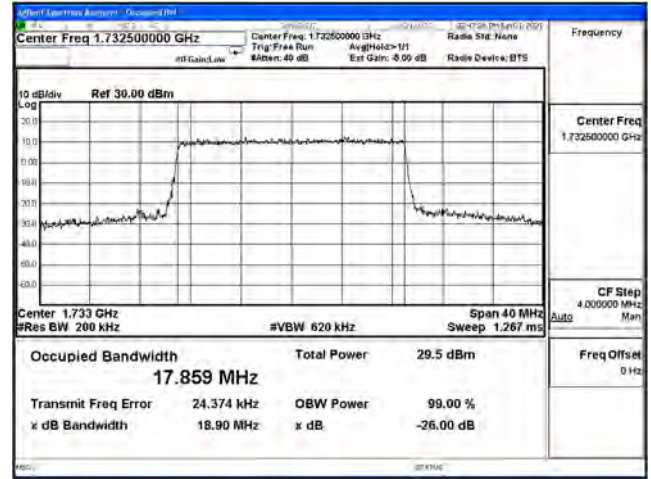
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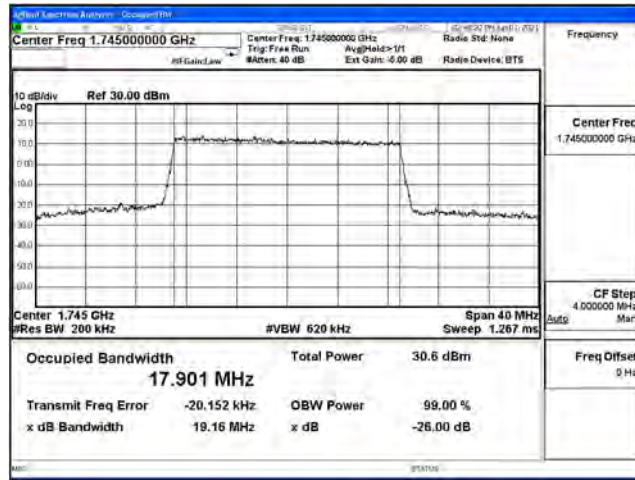
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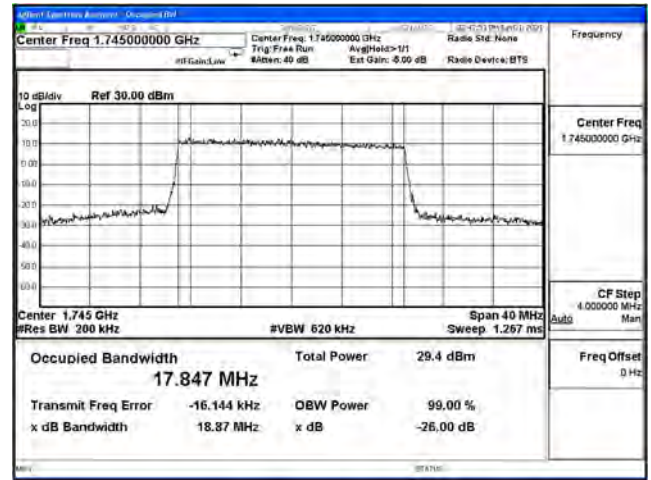
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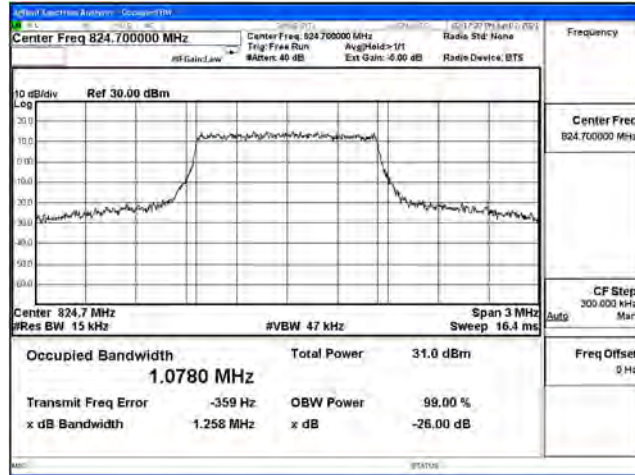
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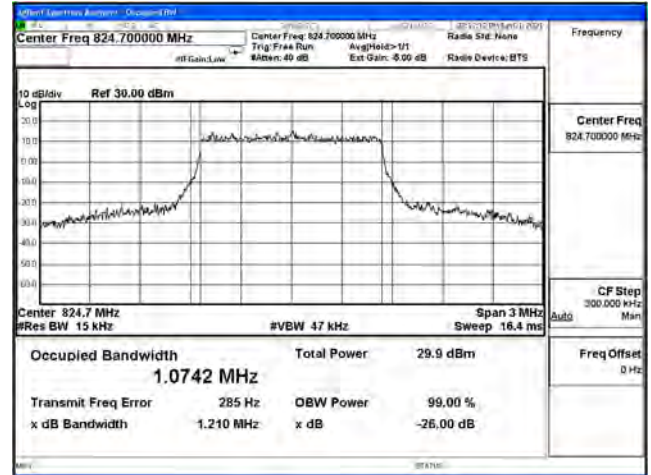
| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 3: LTE Band 5 | | |
| Date of Test | 2021/06/01 | Test Site | SR10-H |
| Temperature(°C) | 26 | Humidity (%RH) | 60 |

| LTE Band5_Full RB | | | | | |
|-------------------|------------|-----------------|---------------------|--------|-------------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | Measure Level (MHz) | | Limit (MHz) |
| | | | 26dB BW | 99% BW | |
| 1.4M | QPSK | 824.7 | 1.258 | 1.078 | N/A |
| | | 836.5 | 1.230 | 1.083 | N/A |
| | | 848.3 | 1.239 | 1.076 | N/A |
| | 16-QAM | 824.7 | 1.210 | 1.074 | N/A |
| | | 836.5 | 1.241 | 1.078 | N/A |
| | | 848.3 | 1.257 | 1.080 | N/A |
| 3M | QPSK | 825.5 | 2.839 | 2.673 | N/A |
| | | 836.5 | 2.855 | 2.678 | N/A |
| | | 847.5 | 2.859 | 2.680 | N/A |
| | 16-QAM | 825.5 | 2.848 | 2.677 | N/A |
| | | 836.5 | 2.839 | 2.681 | N/A |
| | | 847.5 | 2.860 | 2.675 | N/A |
| 5M | QPSK | 826.5 | 4.806 | 4.461 | N/A |
| | | 836.5 | 4.813 | 4.461 | N/A |
| | | 846.5 | 4.818 | 4.475 | N/A |
| | 16-QAM | 826.5 | 4.847 | 4.463 | N/A |
| | | 836.5 | 4.789 | 4.457 | N/A |
| | | 846.5 | 4.818 | 4.469 | N/A |
| 10M | QPSK | 829.0 | 9.578 | 8.940 | N/A |
| | | 836.5 | 9.478 | 8.931 | N/A |
| | | 844.0 | 9.529 | 8.930 | N/A |
| | 16-QAM | 829.0 | 9.545 | 8.942 | N/A |
| | | 836.5 | 9.481 | 8.938 | N/A |
| | | 844.0 | 9.523 | 8.933 | N/A |

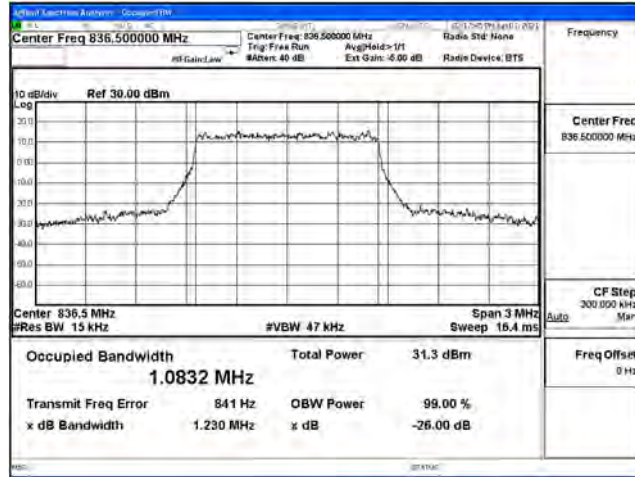
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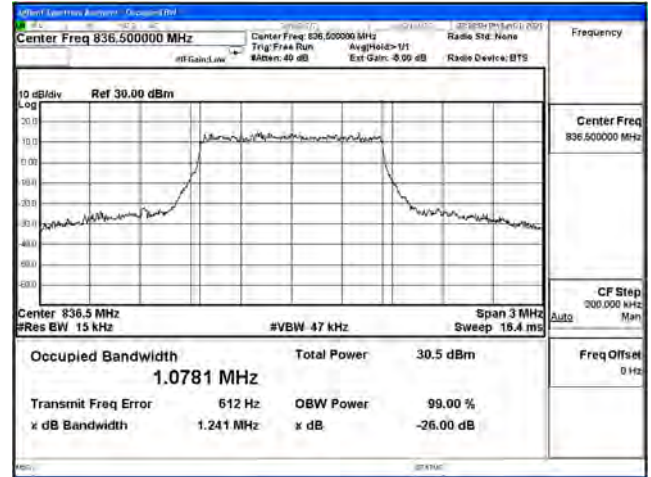
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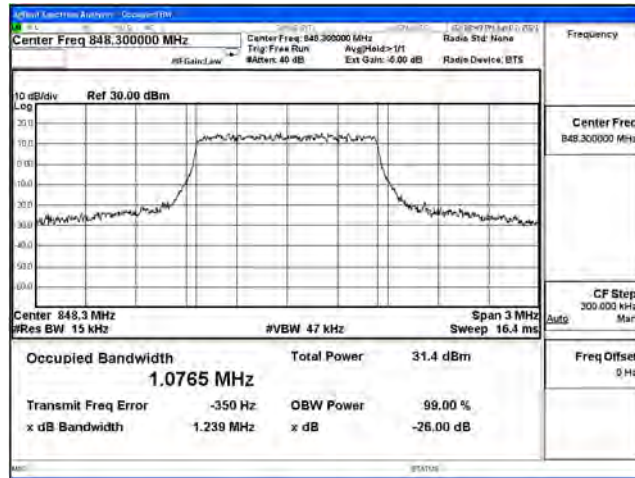
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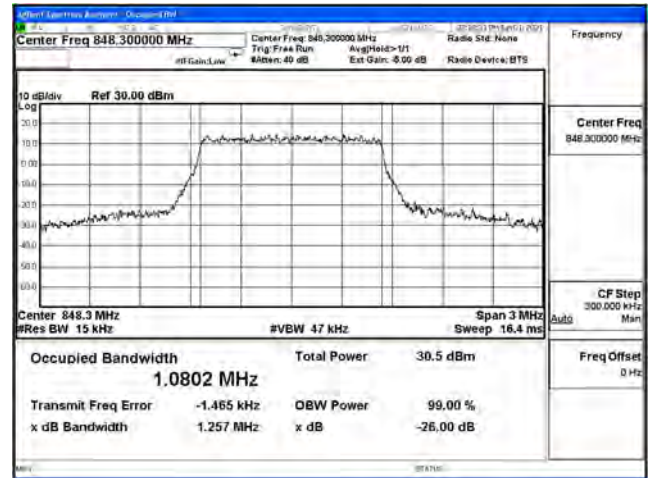
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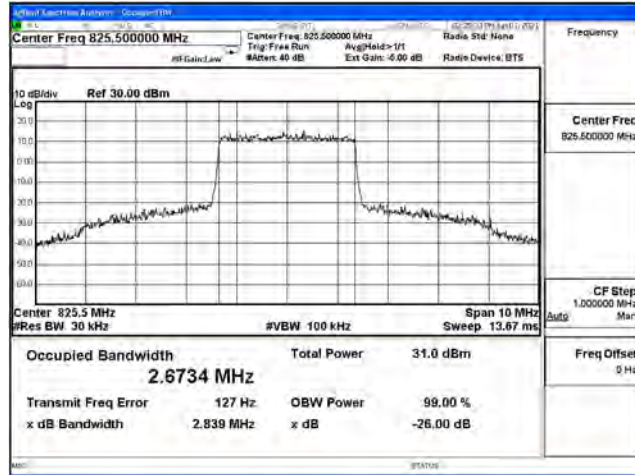
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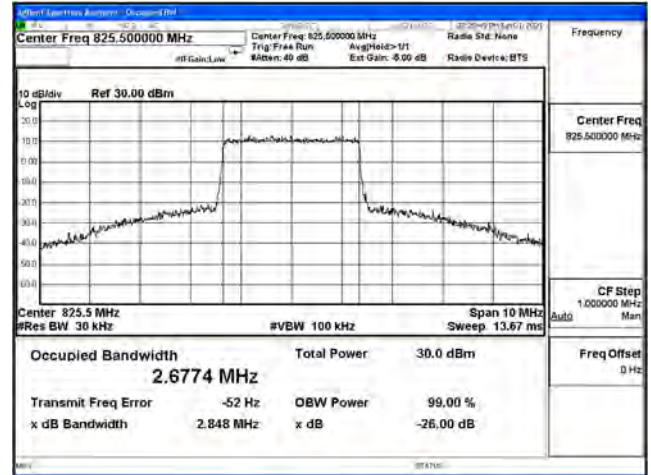
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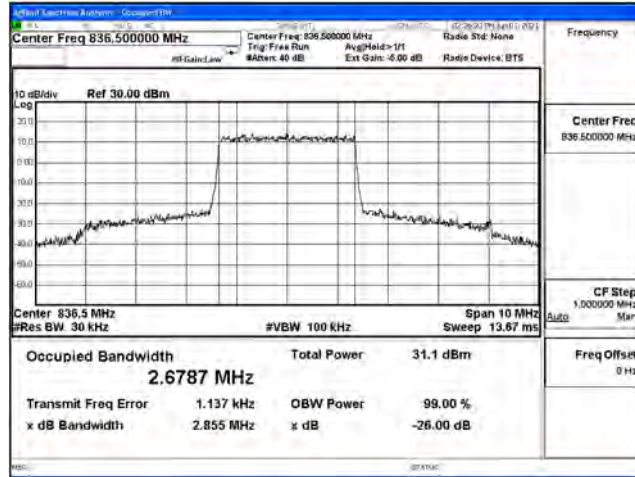
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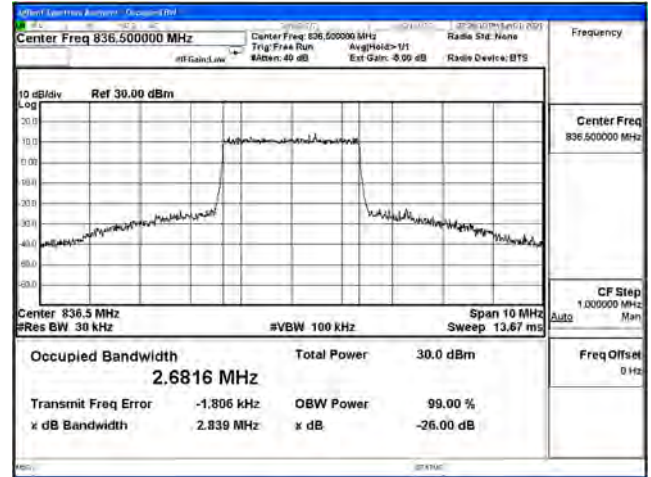
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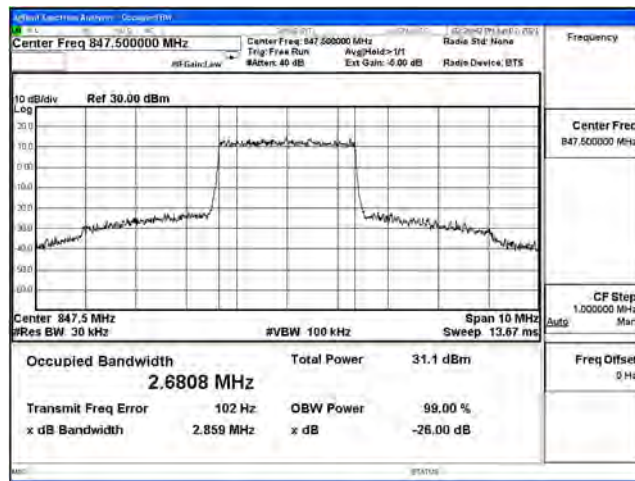
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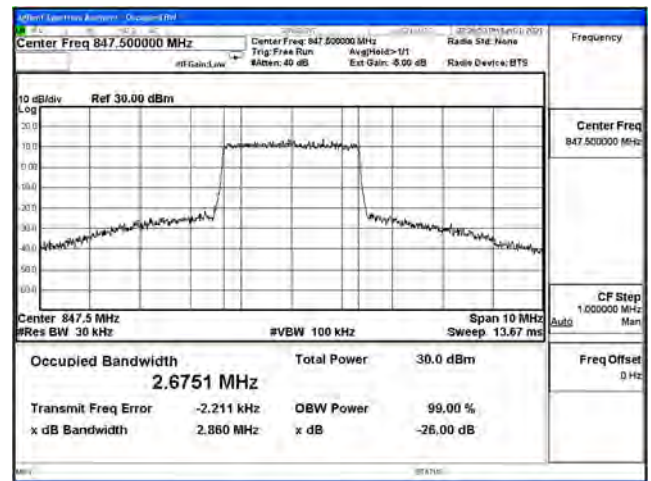
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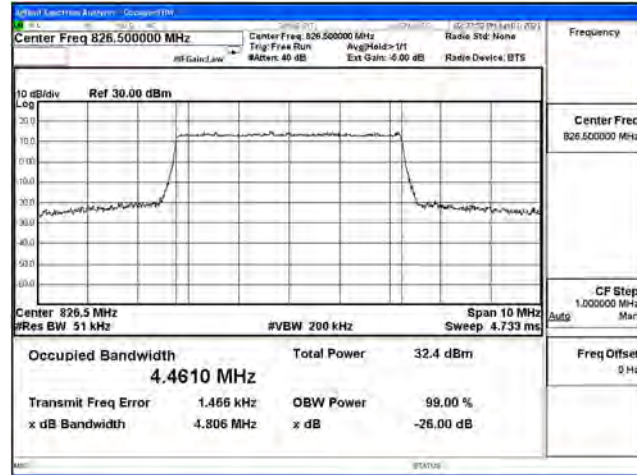
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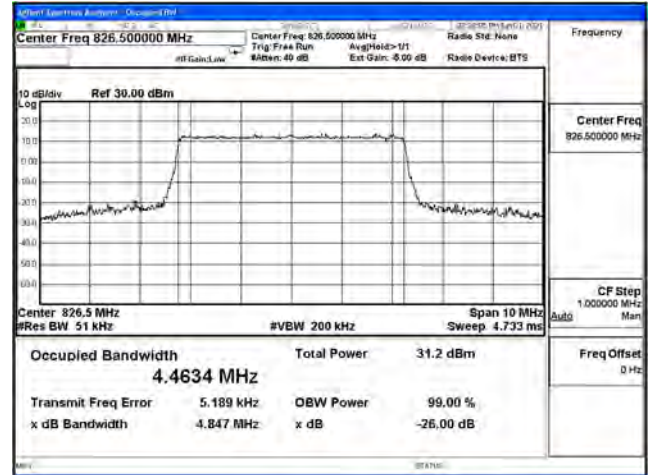
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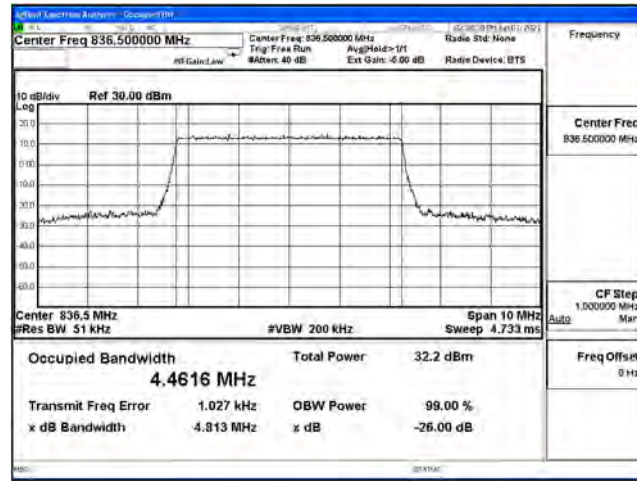
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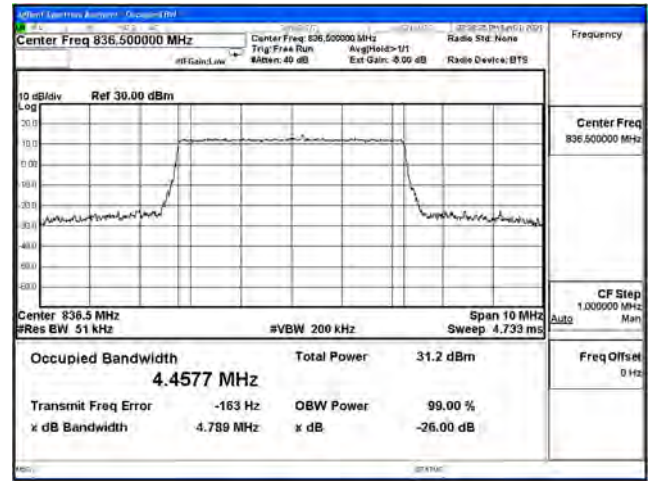
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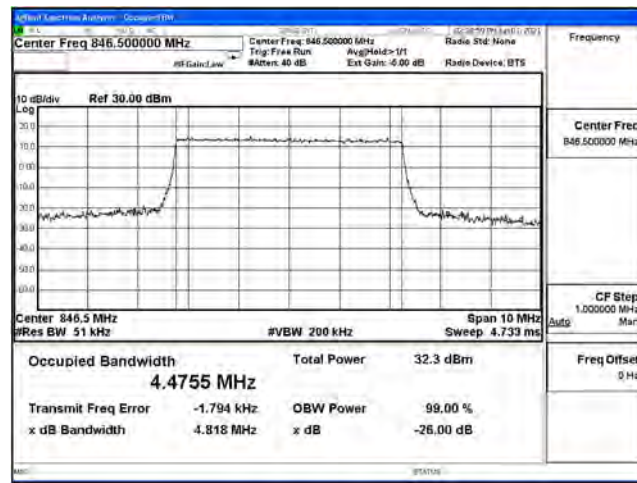
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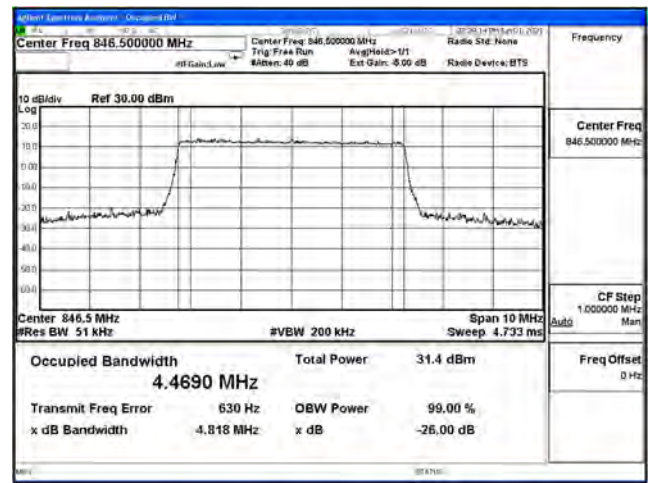
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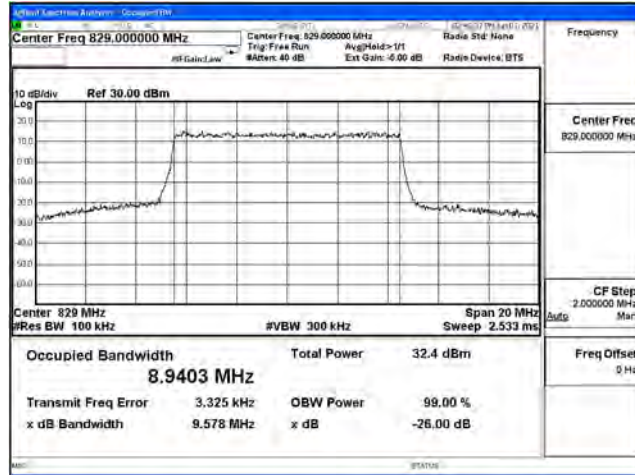
LTE B5 CH20625 5M QPSK 25RB0



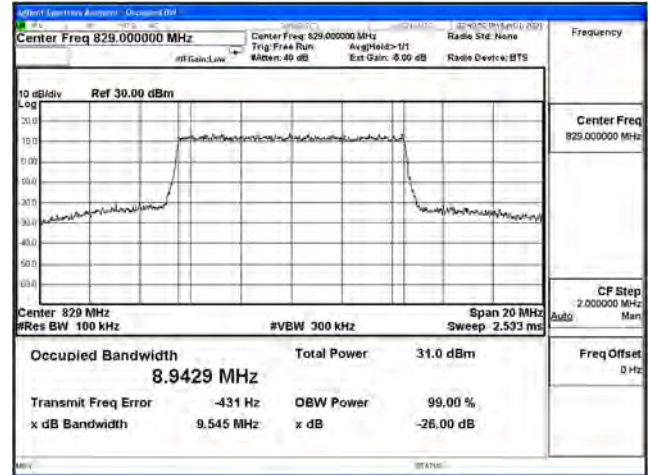
LTE_B5_CH20625_5M_16-QAM_25RB0



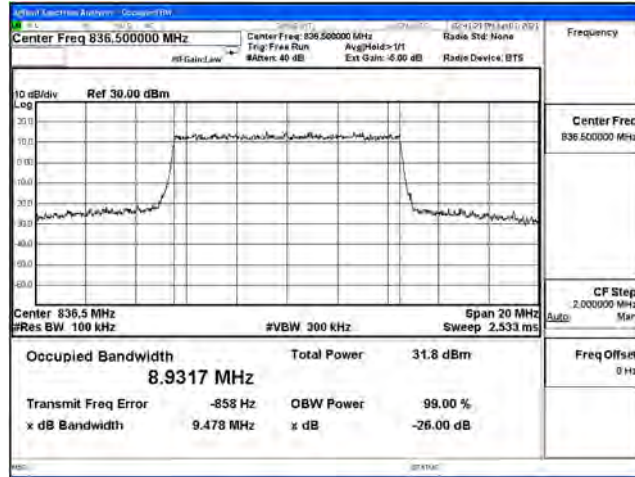
LTE_B5_CH20450_10M_QPSK_50RB0



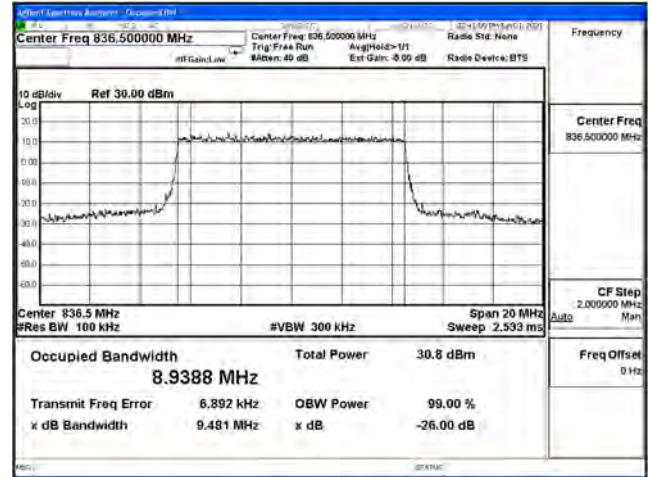
LTE_B5_CH20450_10M_16-QAM_50RB0



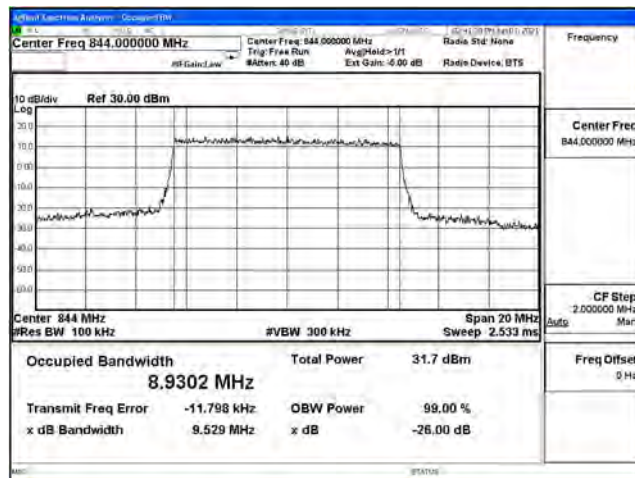
LTE_B5_CH20525_10M_QPSK_50RB0



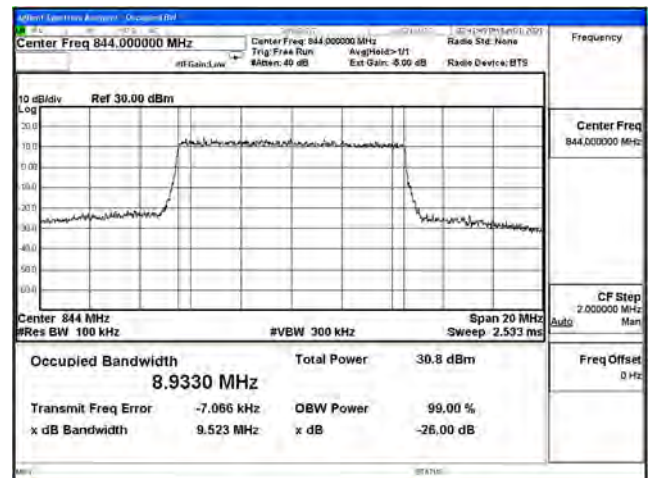
LTE_B5_CH20525_10M_16-QAM_50RB0



LTE_B5_CH20600_10M_QPSK_50RB0



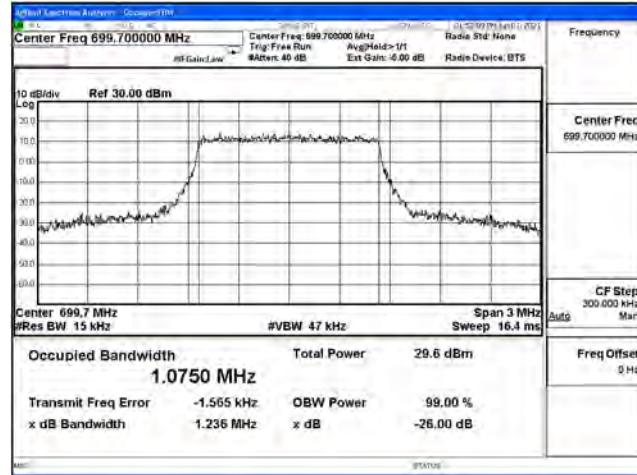
LTE_B5_CH20600_10M_16-QAM_50RB0



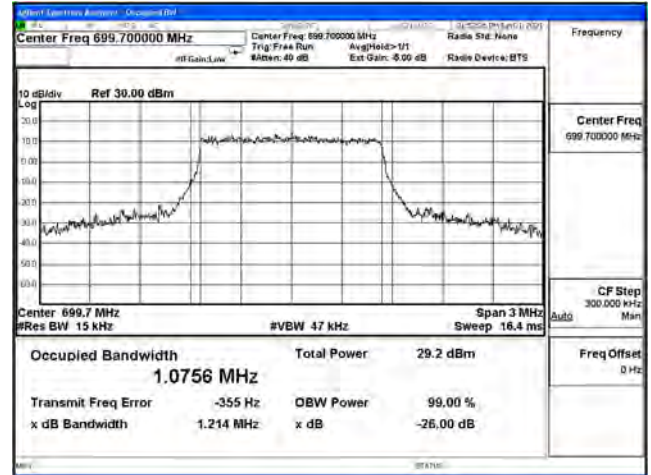
| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 4: LTE Band 12 | | |
| Date of Test | 2021/06/01 | Test Site | SR10-H |
| Temperature(°C) | 26 | Humidity (%RH) | 60 |

| LTE Band12_Full RB | | | | | |
|--------------------|------------|-----------------|---------------------|--------|-------------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | Measure Level (MHz) | | Limit (MHz) |
| | | | 26dB BW | 99% BW | |
| 1.4M | QPSK | 699.7 | 1.236 | 1.075 | N/A |
| | | 707.5 | 1.240 | 1.081 | N/A |
| | | 715.3 | 1.239 | 1.075 | N/A |
| | 16-QAM | 699.7 | 1.214 | 1.075 | N/A |
| | | 707.5 | 1.235 | 1.077 | N/A |
| | | 715.3 | 1.260 | 1.080 | N/A |
| 3M | QPSK | 700.5 | 2.862 | 2.677 | N/A |
| | | 707.5 | 2.862 | 2.678 | N/A |
| | | 714.5 | 2.858 | 2.676 | N/A |
| | 16-QAM | 700.5 | 2.851 | 2.673 | N/A |
| | | 707.5 | 2.851 | 2.674 | N/A |
| | | 714.5 | 2.835 | 2.675 | N/A |
| 5M | QPSK | 701.5 | 5.010 | 4.484 | N/A |
| | | 707.5 | 5.046 | 4.471 | N/A |
| | | 713.5 | 4.996 | 4.467 | N/A |
| | 16-QAM | 701.5 | 5.051 | 4.471 | N/A |
| | | 707.5 | 5.043 | 4.478 | N/A |
| | | 713.5 | 4.940 | 4.467 | N/A |
| 10M | QPSK | 704.0 | 9.758 | 8.951 | N/A |
| | | 707.5 | 9.953 | 8.969 | N/A |
| | | 711.0 | 9.721 | 8.932 | N/A |
| | 16-QAM | 704.0 | 9.912 | 8.958 | N/A |
| | | 707.5 | 9.627 | 8.955 | N/A |
| | | 711.0 | 9.771 | 8.937 | N/A |

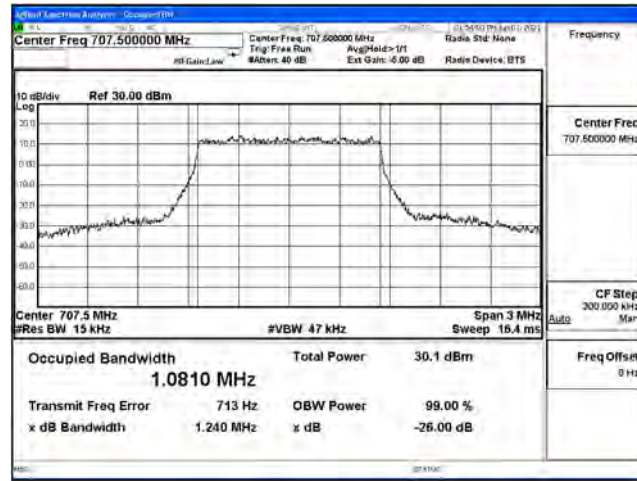
LTE B12_CH23017 1.4M QPSK 6RB0



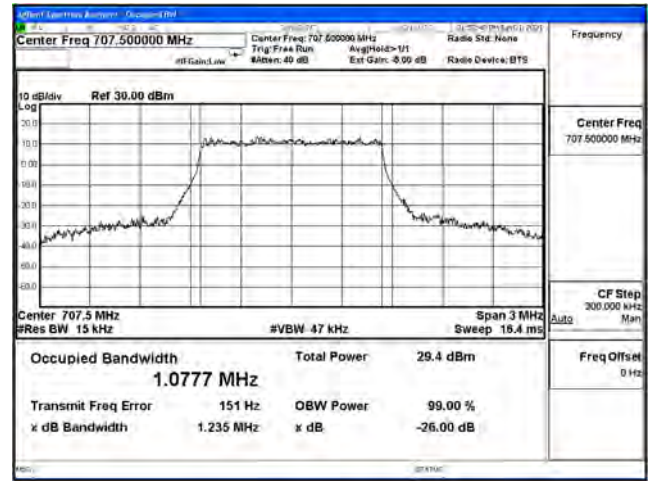
LTE_B12_CH23017_1.4M_16-QAM_6RB0



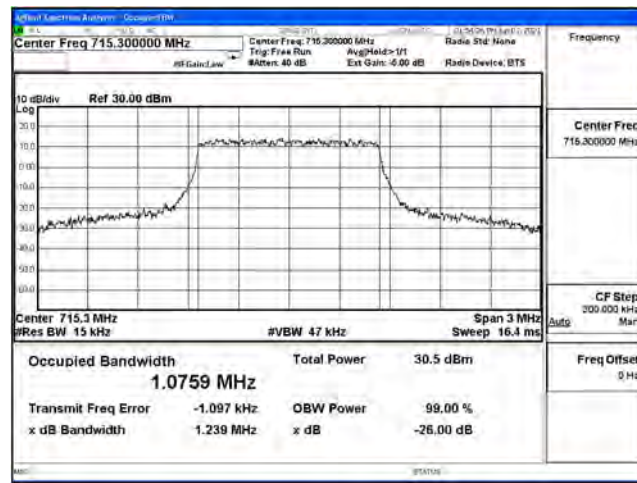
LTE B12_CH23095 1.4M QPSK 6RB0



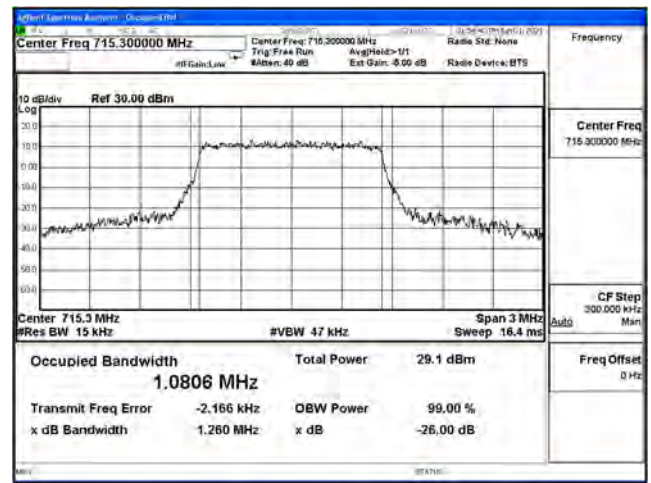
LTE_B12_CH23095_1.4M_16-QAM_6RB0



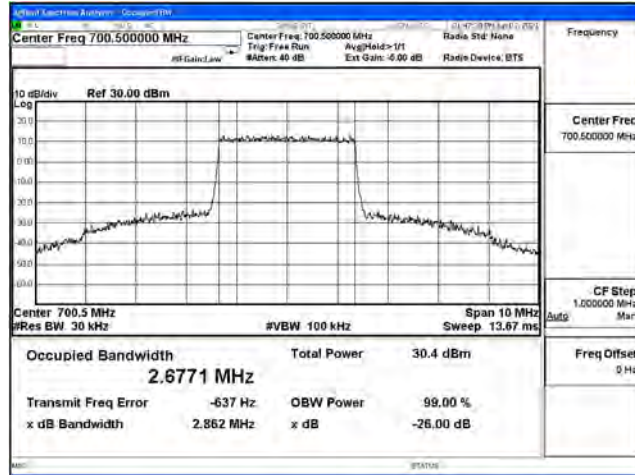
LTE B12_CH23173 1.4M QPSK 6RB0



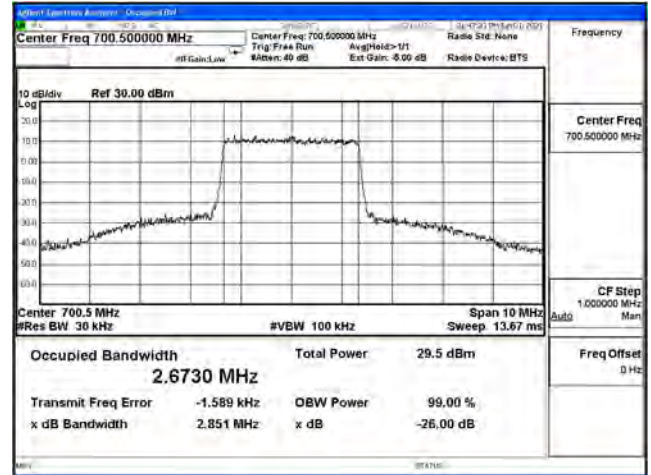
LTE_B12_CH23173_1.4M_16-QAM_6RB0



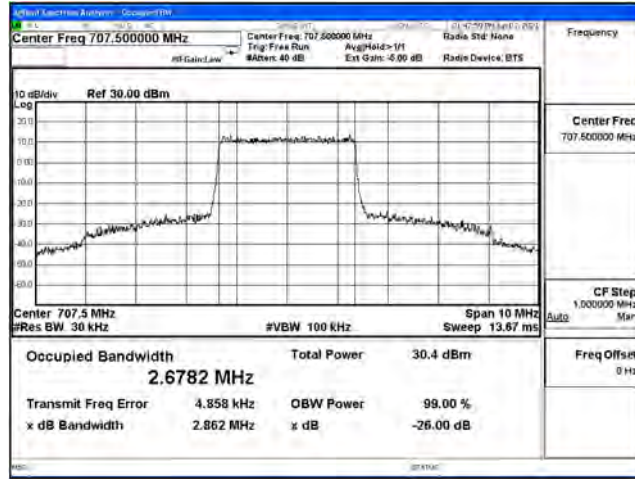
LTE_B12_CH23025_3M_QPSK_15RB0



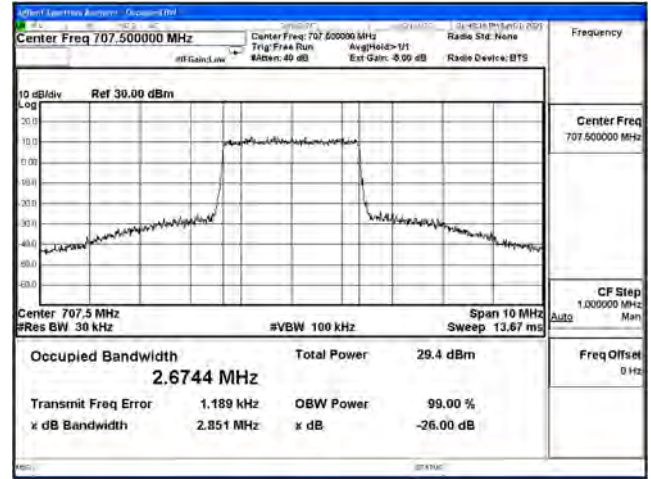
LTE_B12_CH23025_3M_16-QAM_15RB0



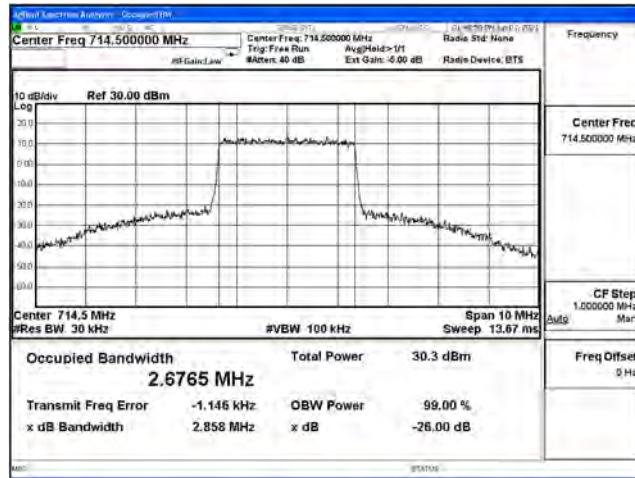
LTE_B12_CH23095_3M_QPSK_15RB0



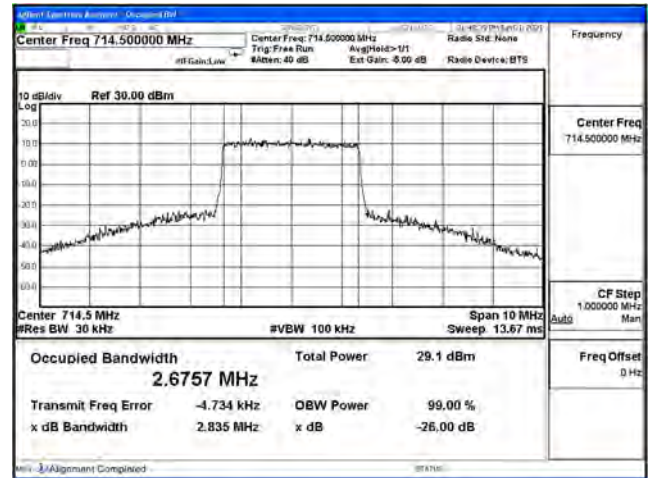
LTE_B12_CH23095_3M_16-QAM_15RB0



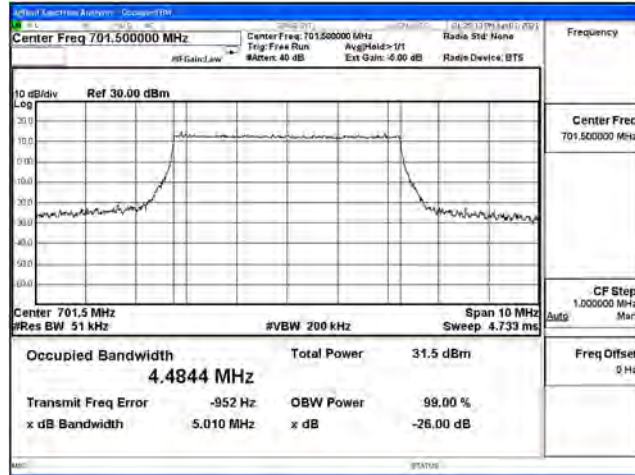
LTE_B12_CH23165_3M_QPSK_15RB0



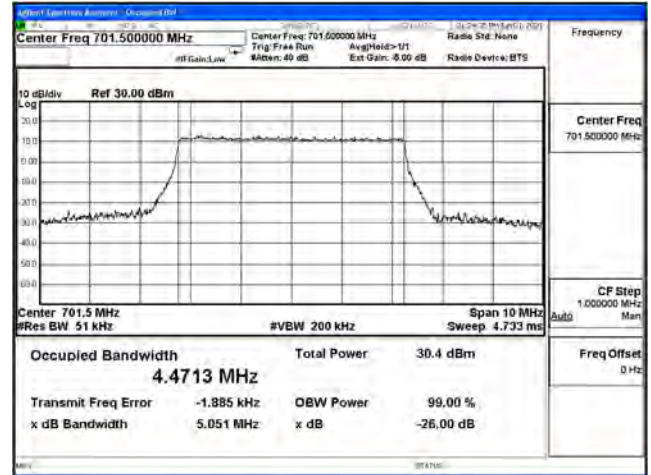
LTE_B12_CH23165_3M_16-QAM_15RB0



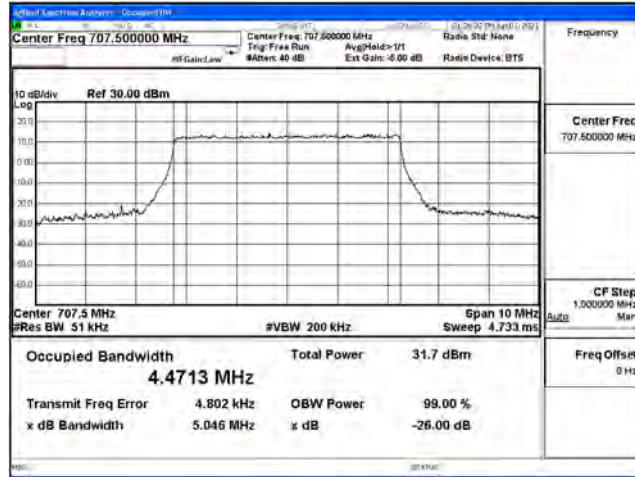
LTE_B12_CH23035_5M_QPSK_25RB0



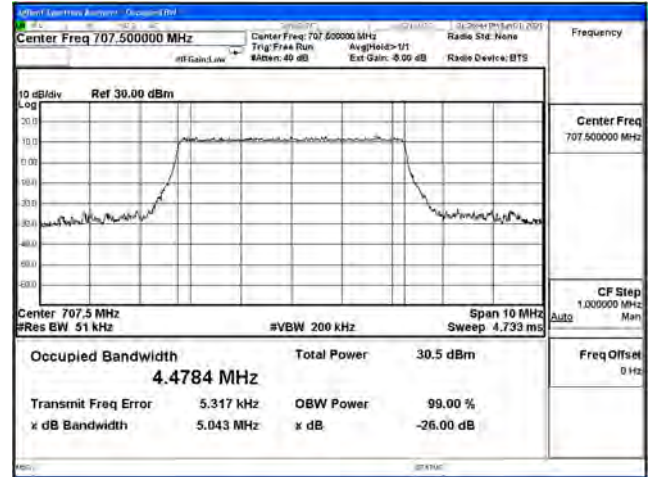
LTE_B12_CH23035_5M_16-QAM_25RB0



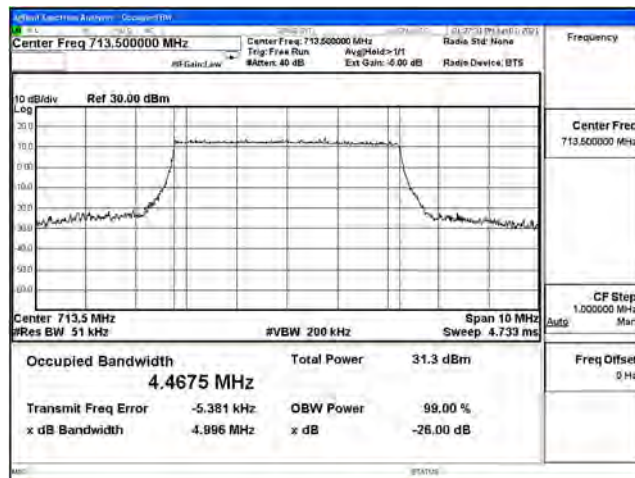
LTE_B12_CH23095_5M_QPSK_25RB0



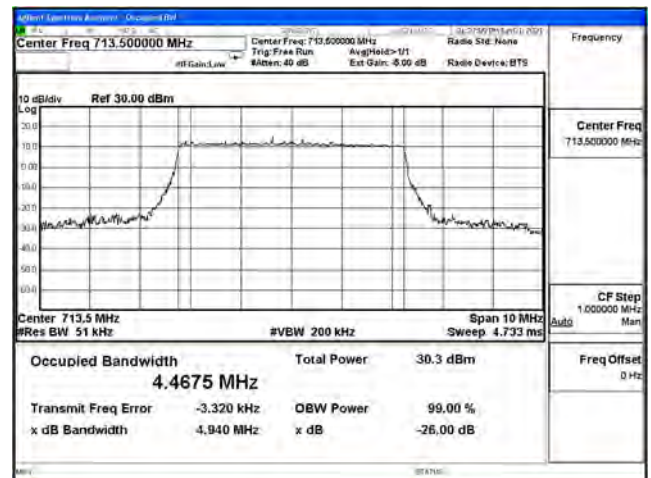
LTE_B12_CH23095_5M_16-QAM_25RB0



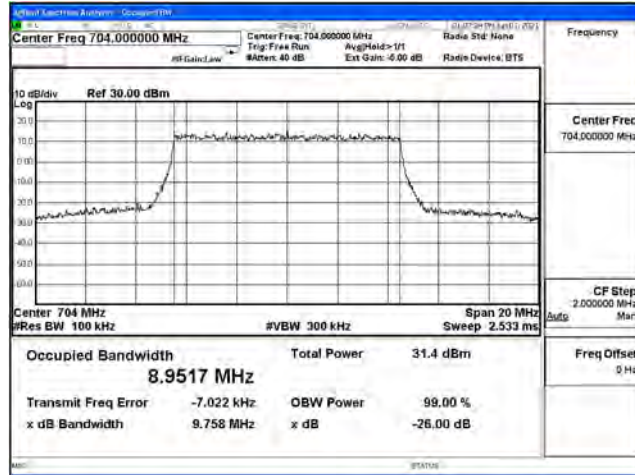
LTE_B12_CH23155_5M_QPSK_25RB0



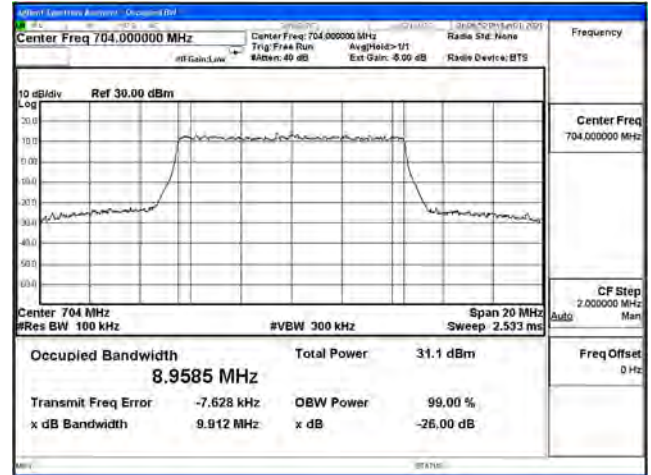
LTE_B12_CH23155_5M_16-QAM_25RB0



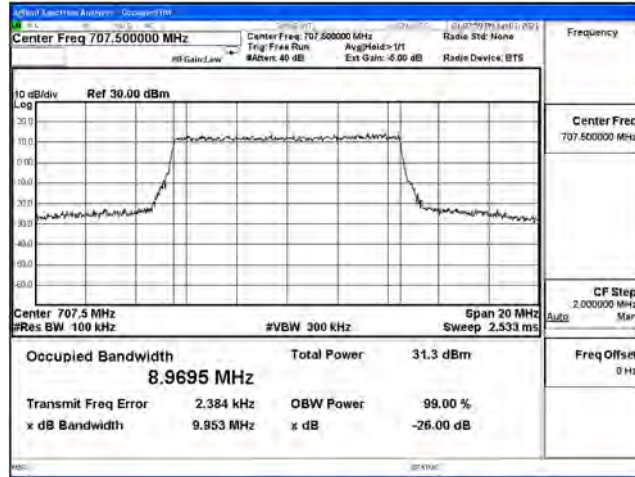
LTE B12 CH23060 10M QPSK 50RB0



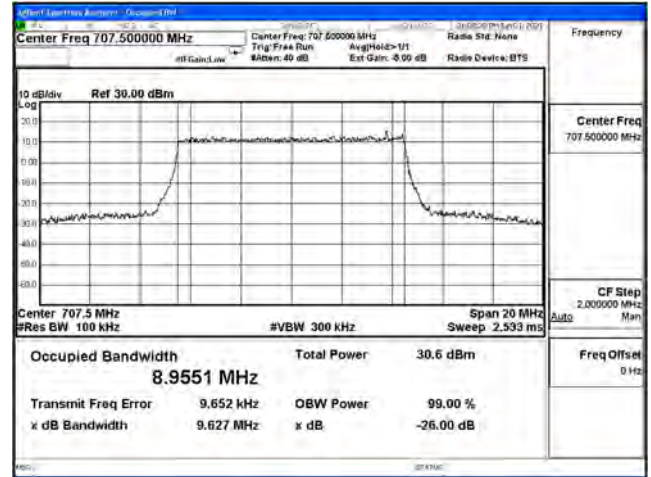
LTE_B12_CH23060_10M_16-QAM_50RB0



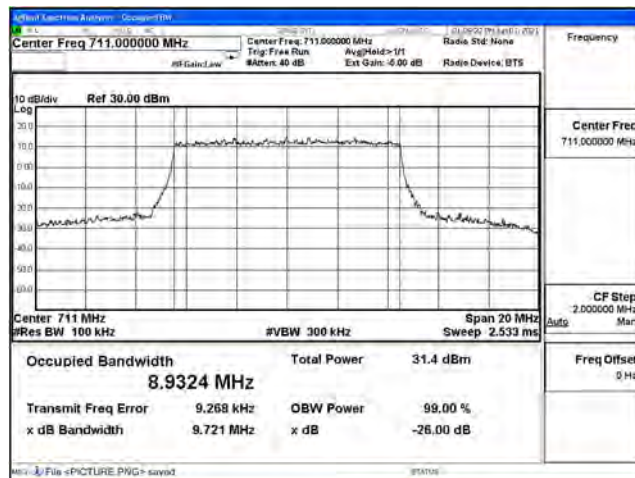
LTE B12 CH23095 10M QPSK 50RB0



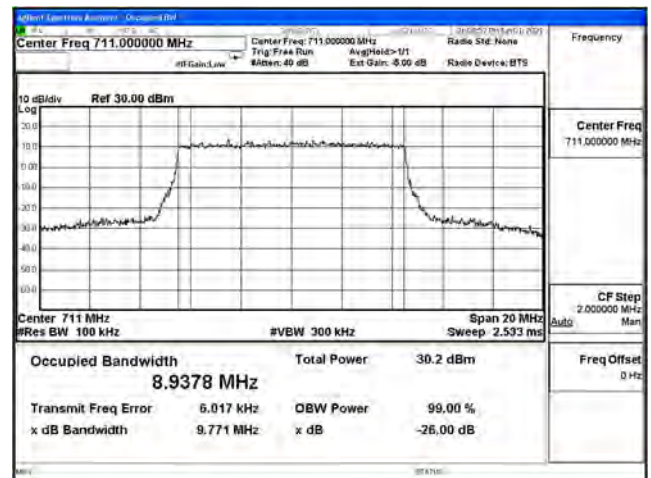
LTE_B12_CH23095_10M_16-QAM_50RB0



LTE B12 CH23130 10M QPSK 50RB0



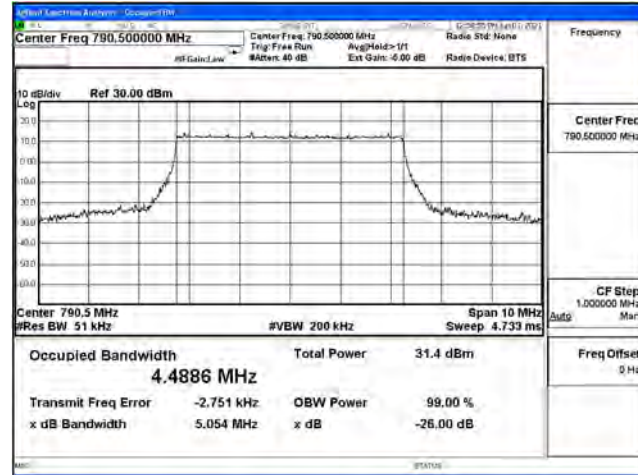
LTE_B12_CH23130_10M_16-QAM_50RB0



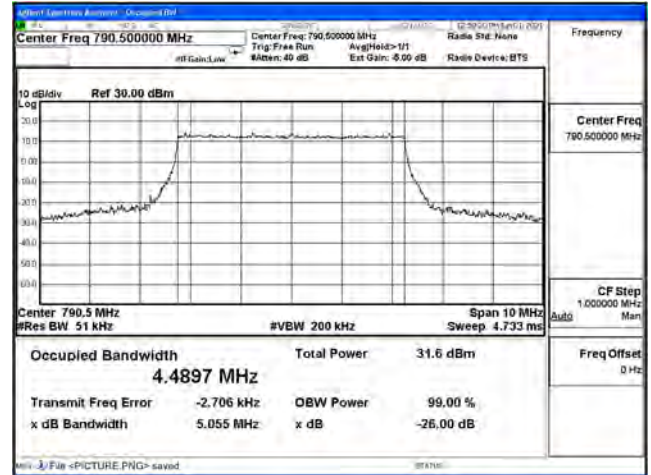
| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 5: LTE Band 14 | | |
| Date of Test | 2021/06/01 | Test Site | SR10-H |
| Temperature(°C) | 26 | Humidity (%RH) | 60 |

| LTE Band14_Full RB | | | | | |
|--------------------|------------|-----------------|---------------------|--------|-------------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | Measure Level (MHz) | | Limit (MHz) |
| | | | 26dB BW | 99% BW | |
| 5M | QPSK | 790.5 | 5.054 | 4.488 | N/A |
| | | 793 | 4.983 | 4.466 | N/A |
| | | 795.5 | 5.010 | 4.480 | N/A |
| | 16-QAM | 790.5 | 5.055 | 4.489 | N/A |
| | | 793 | 5.048 | 4.477 | N/A |
| | | 795.5 | 4.967 | 4.469 | N/A |
| 10M | QPSK | 793 | 9.910 | 8.960 | N/A |
| | 16-QAM | 793 | 9.880 | 8.956 | N/A |

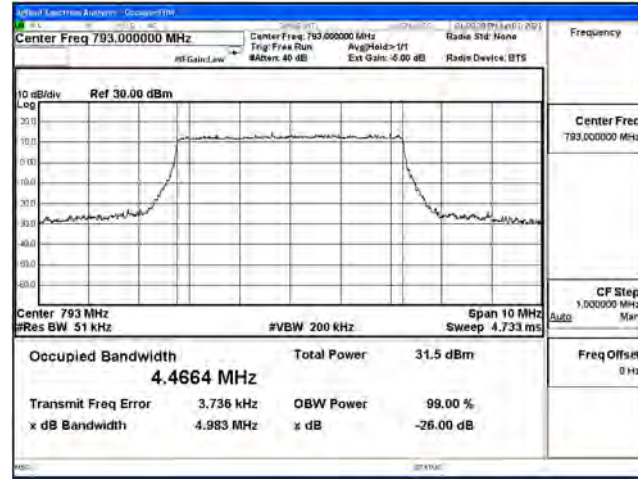
LTE_B14_CH23305_5M_QPSK_25RB0



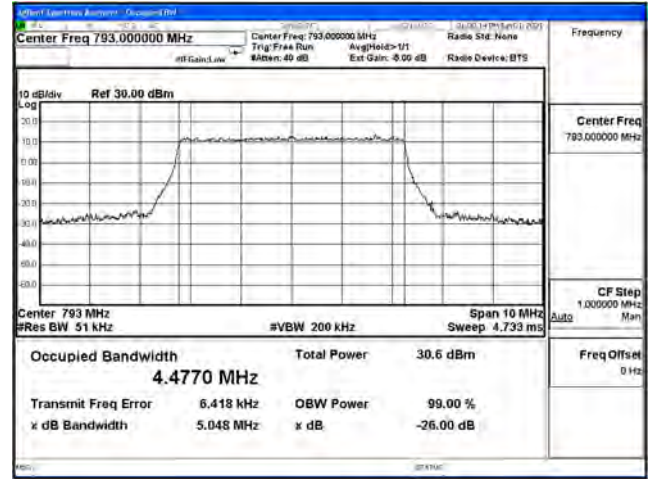
LTE_B14_CH23305_5M_16-QAM_25RB0



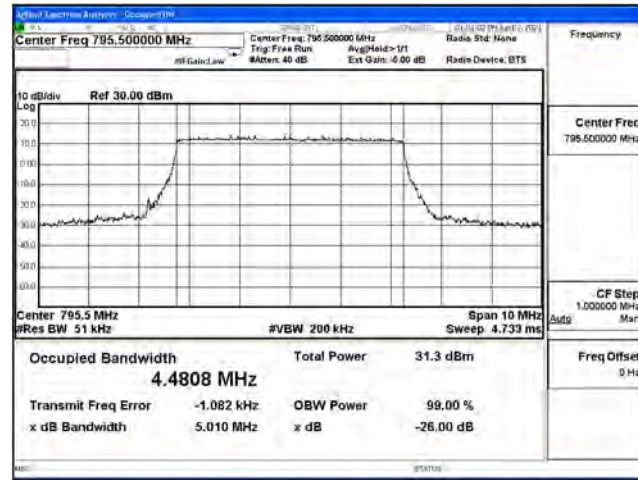
LTE_B14_CH23330_5M_QPSK_25RB0



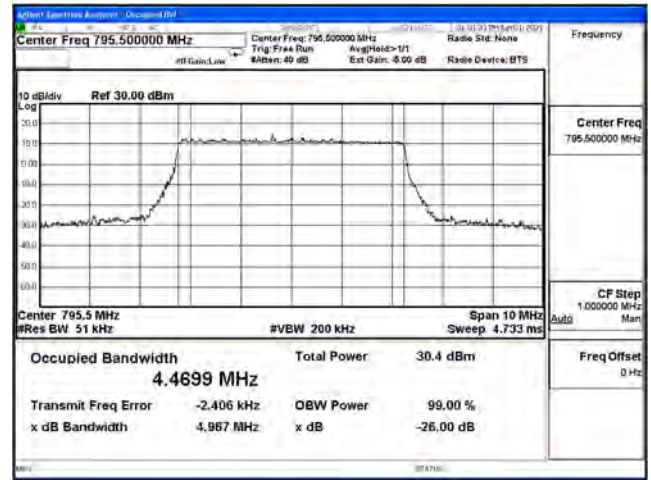
LTE_B14_CH23330_5M_16-QAM_25RB0



LTE_B14_CH23355_5M_QPSK_25RB0

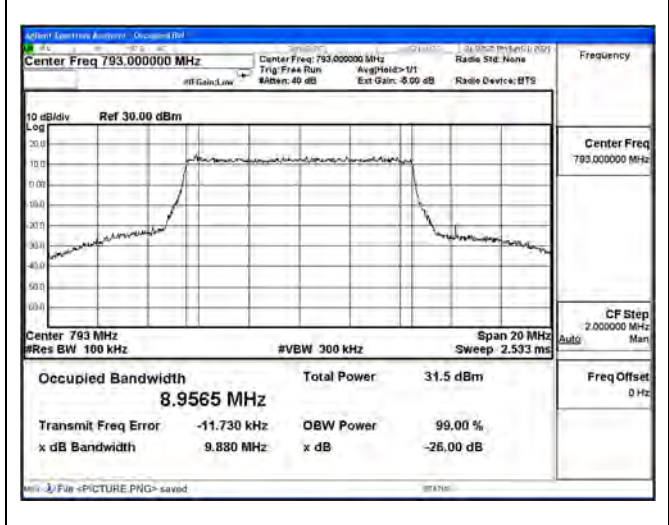
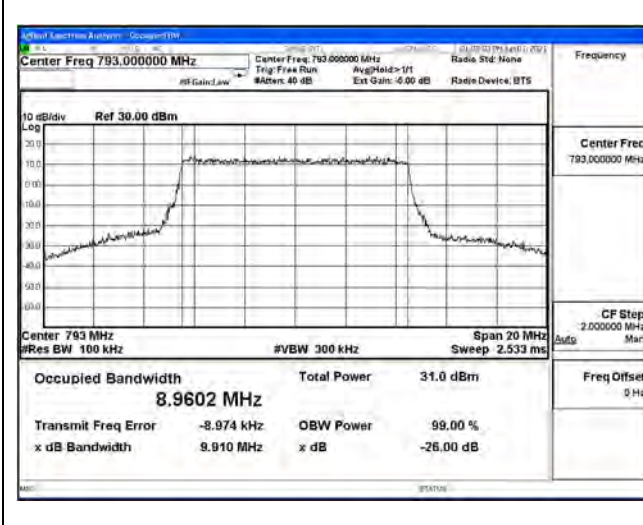


LTE_B14_CH23355_5M_16-QAM_25RB0



LTE B14 CH23330 10M QPSK 50RB0

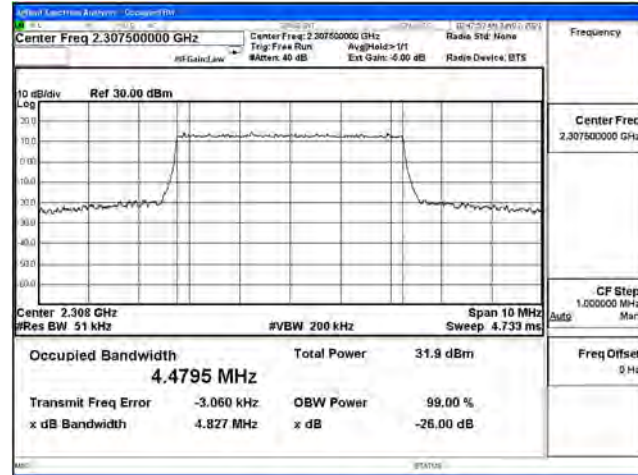
LTE_B14_CH23330_10M_16-QAM_50RB0



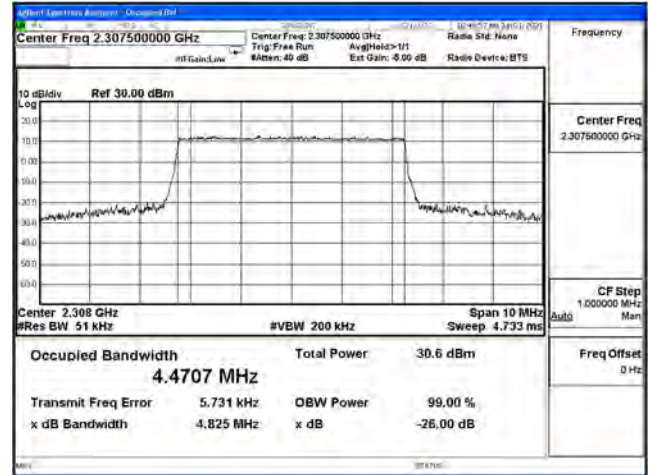
| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 6: LTE Band 30 | | |
| Date of Test | 2021/06/01 | Test Site | SR10-H |
| Temperature(°C) | 26 | Humidity (%RH) | 60 |

| LTE Band30_Full RB | | | | | |
|--------------------|------------|-----------------|---------------------|--------|-------------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | Measure Level (MHz) | | Limit (MHz) |
| | | | 26dB BW | 99% BW | |
| 5M | QPSK | 2307.5 | 4.827 | 4.479 | N/A |
| | | 2310 | 4.842 | 4.464 | N/A |
| | | 2312.5 | 4.832 | 4.475 | N/A |
| | 16-QAM | 2307.5 | 4.825 | 4.470 | N/A |
| | | 2310 | 4.879 | 4.469 | N/A |
| | | 2312.5 | 4.790 | 4.466 | N/A |
| 10M | QPSK | 2310 | 9.602 | 8.950 | N/A |
| | 16-QAM | 2310 | 9.532 | 8.940 | N/A |

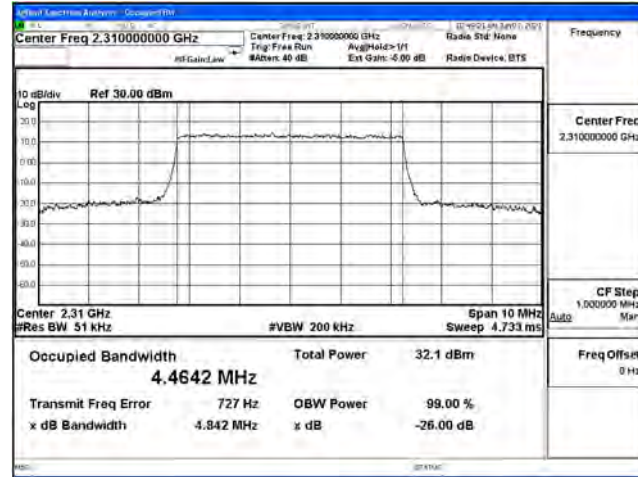
LTE_B30_CH27685_5M_QPSK_25RB0



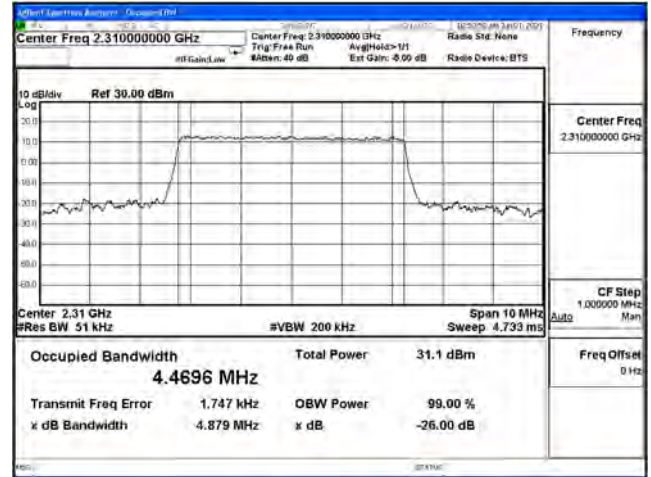
LTE_B30_CH27685_5M_16-QAM_25RB0



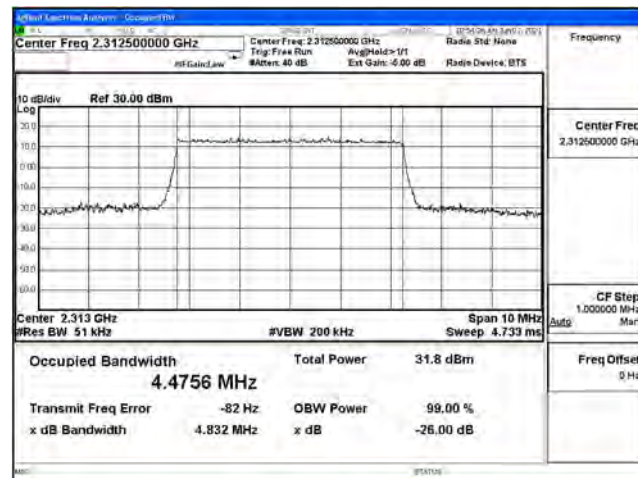
LTE_B30_CH27710_5M_QPSK_25RB0



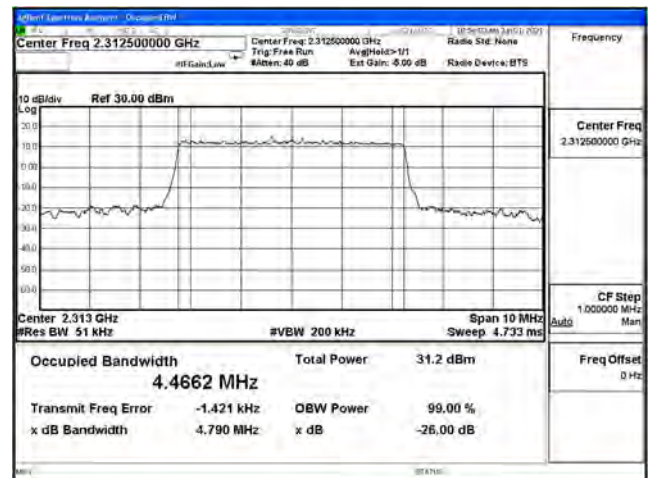
LTE_B30_CH27710_5M_16-QAM_25RB0



LTE_B30_CH27735_5M_QPSK_25RB0

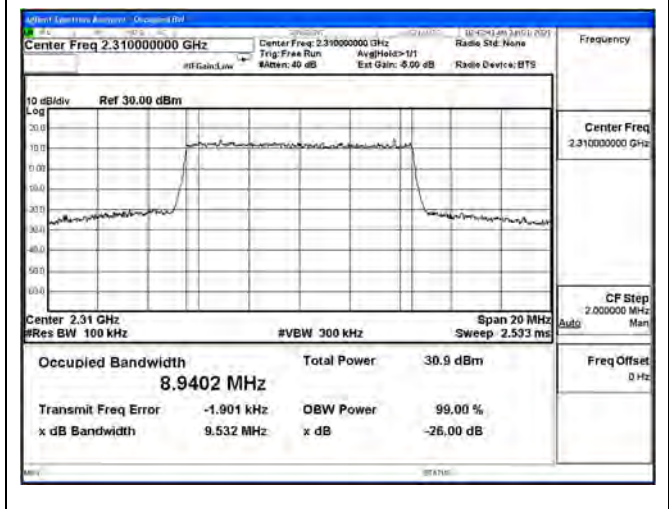
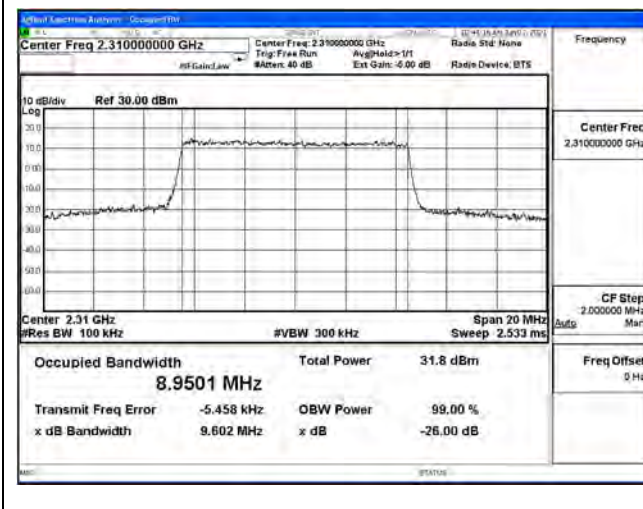


LTE_B30_CH27735_5M_16-QAM_25RB0



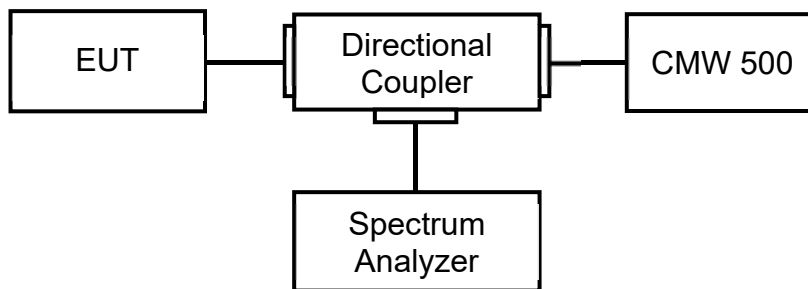
LTE B30 CH27710 10M QPSK 50RB0

LTE_B30_CH27710_10M_16-QAM_50RB0



5. Peak To Average Ratio

5.1. Test Setup



5.2. Test Procedure

1. Set resolution/measurement bandwidth \geq signal's occupied bandwidth.
2. Set the number of counts to a value that stabilizes the measured CCDF curve.
3. Record the maximum PAPR level associated with a probability of 0.1 %.

5.3. Test Method

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 5.7.2
ANSI C63.26: 2015 Sub-clause 5.2.3.4

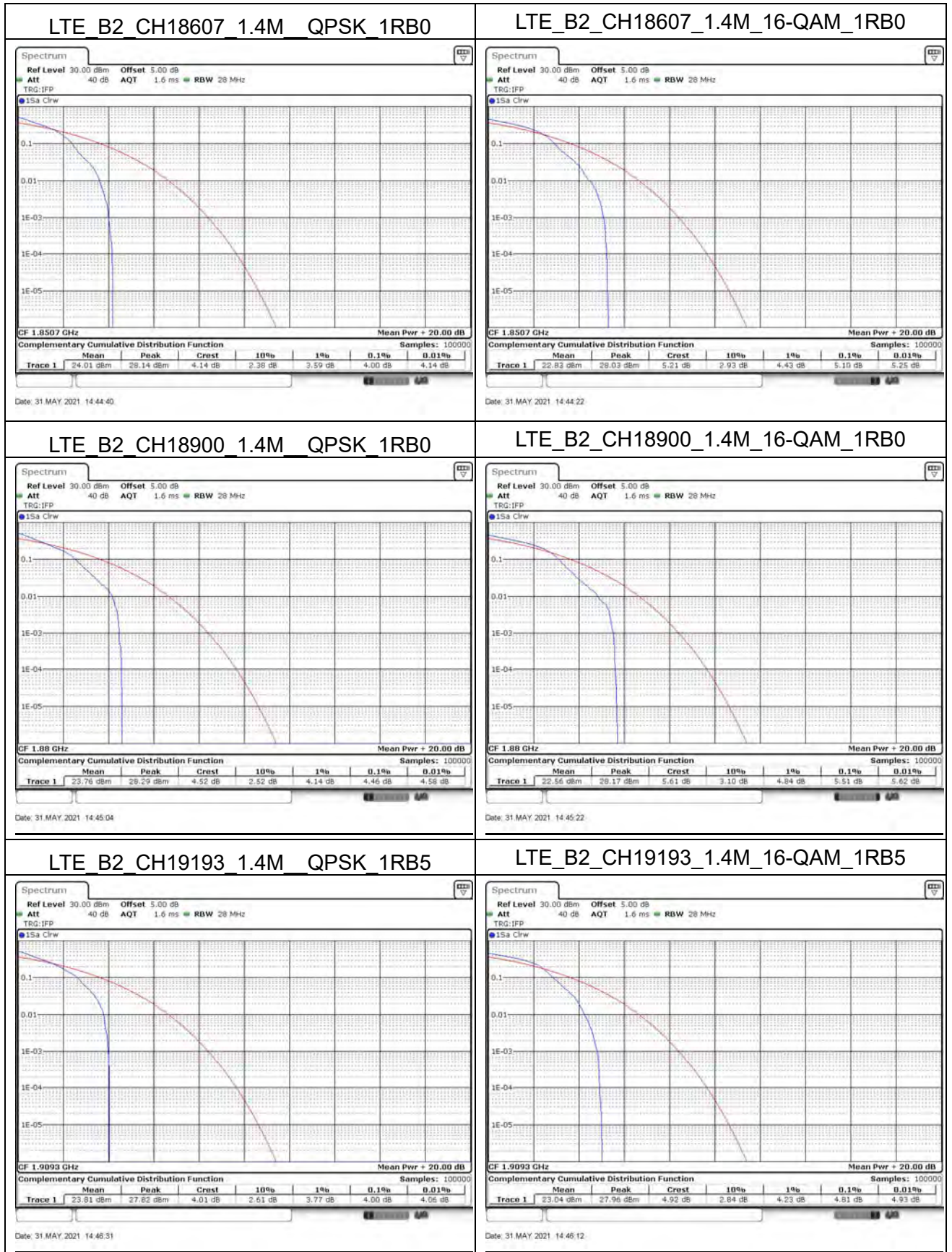
5.4. Limit

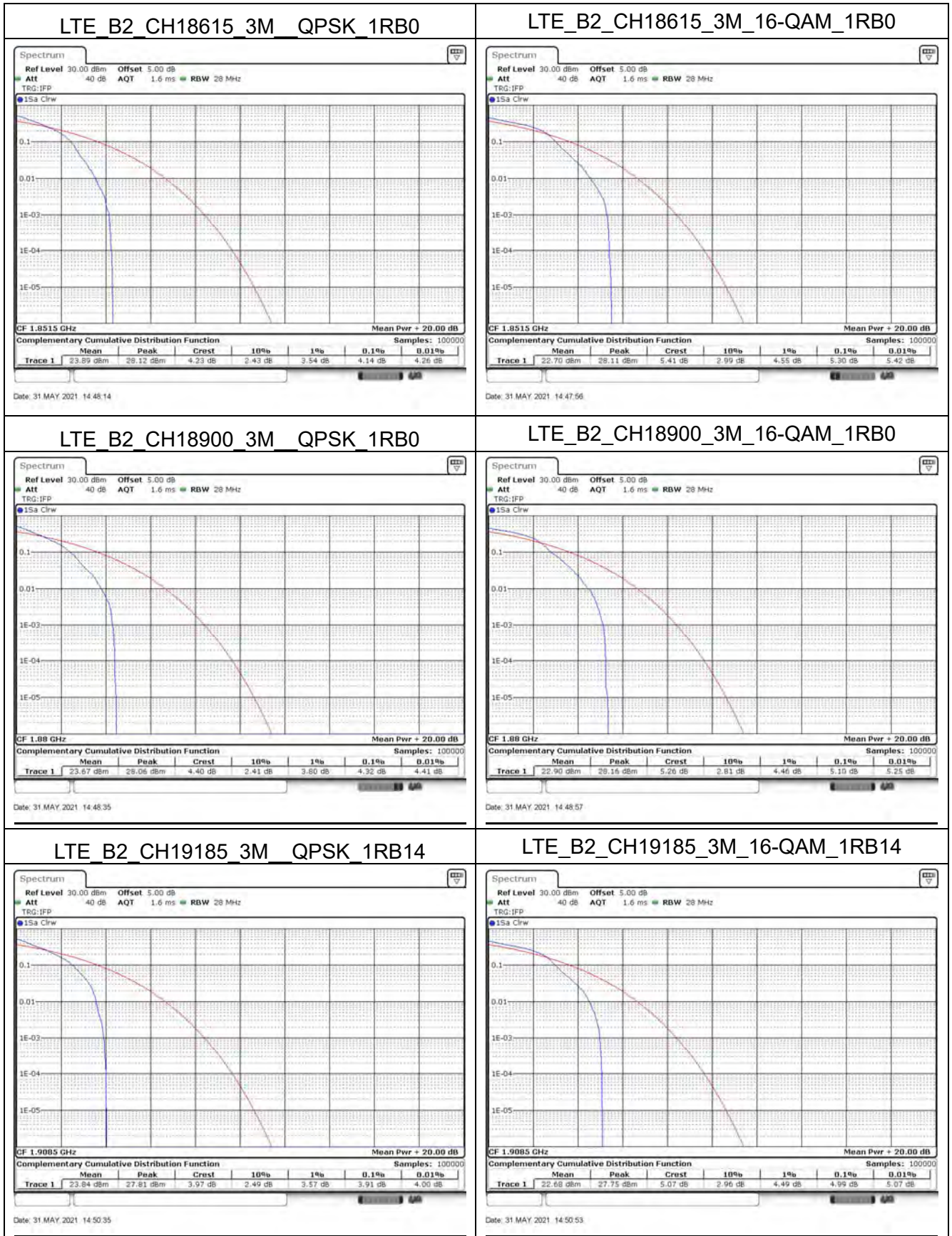
In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13dB.

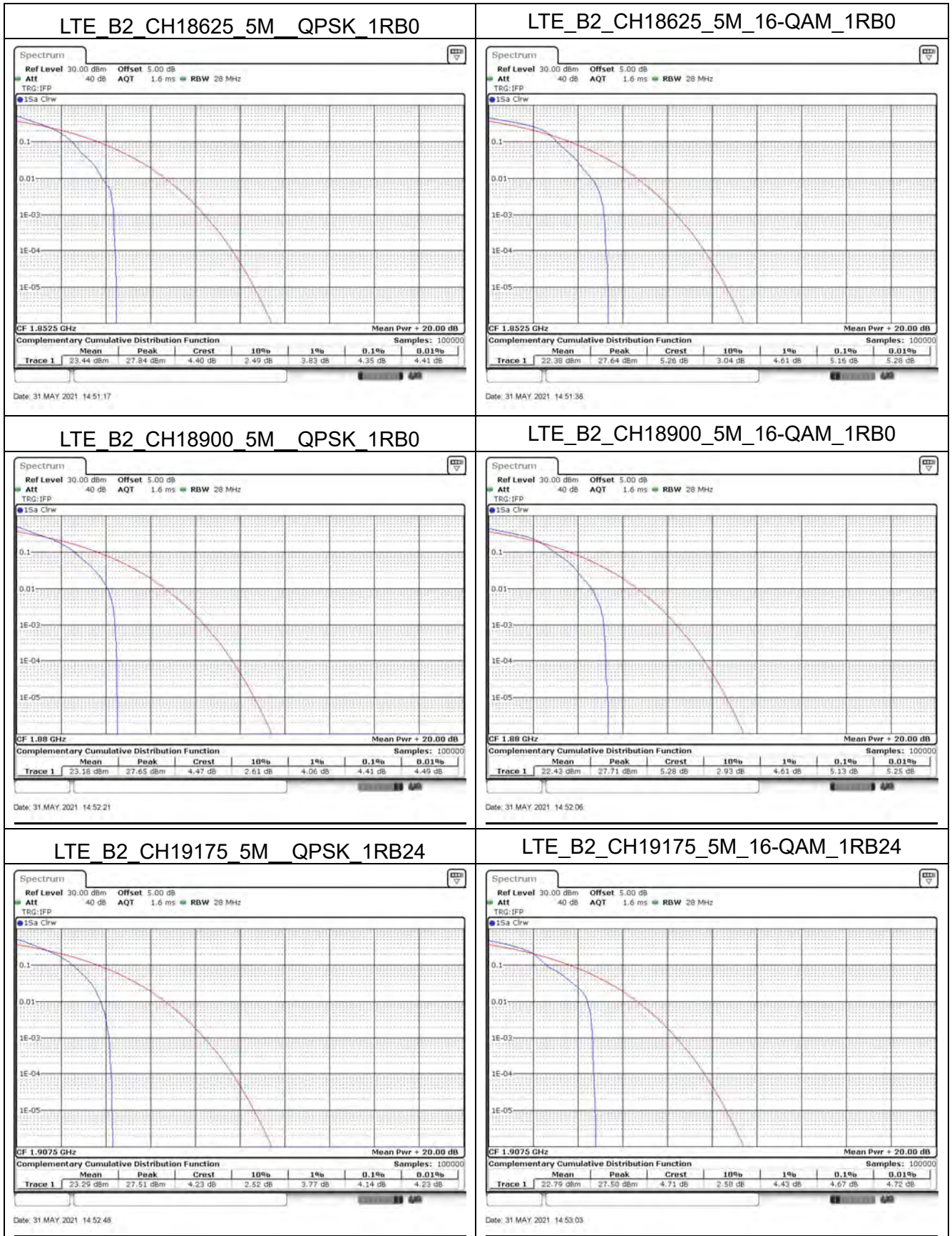
5.5. Test Result

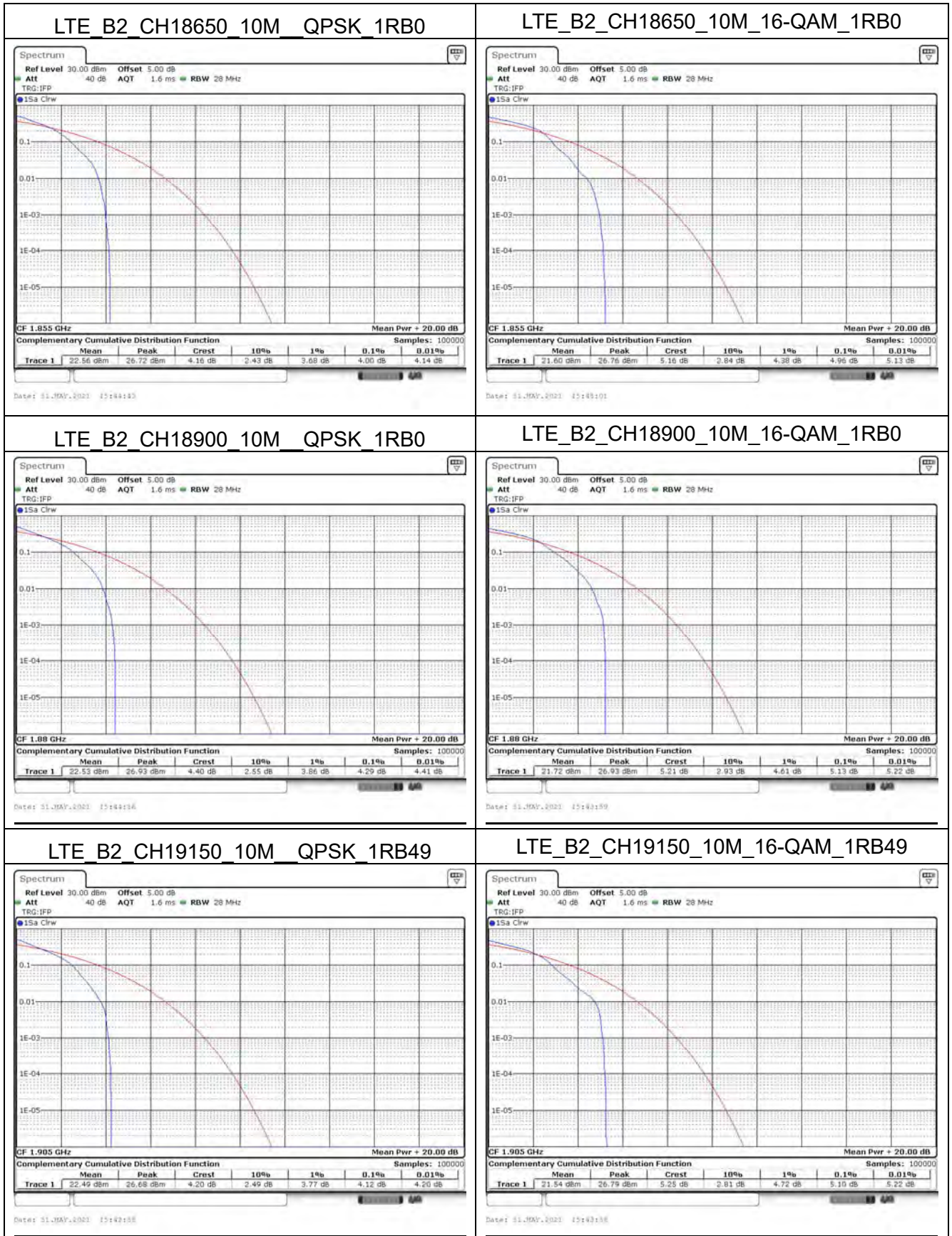
| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 1: LTE Band 2 | | |
| Date of Test | 2021/05/31 | Test Site | SR10-H |
| Temperature(°C) | 25 | Humidity (%RH) | 58 |

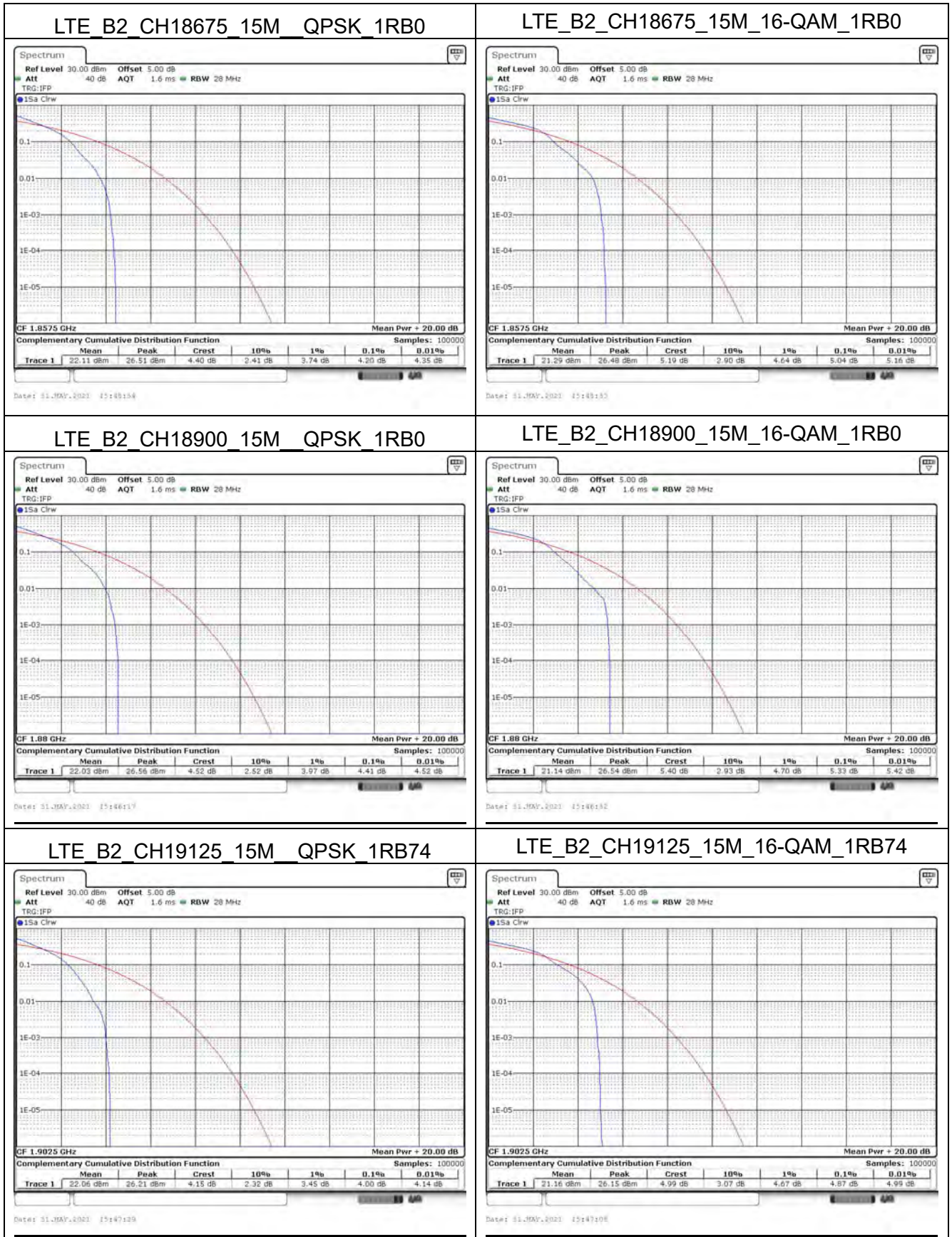
| BW | Ch | Freq. (MHz) | Modulation | Peak (dBm) | Average (dBm) | PAPR (dB) |
|------|-------|-------------|------------|------------|---------------|-----------|
| 1.4M | 18607 | 1850.7 | QPSK | 28.14 | 24.01 | 4.00 |
| | | | 16-QAM | 28.03 | 22.83 | 5.10 |
| | 18900 | 1880 | QPSK | 28.29 | 23.76 | 4.46 |
| | | | 16-QAM | 28.17 | 22.56 | 5.51 |
| | 19193 | 1909.3 | QPSK | 27.82 | 23.81 | 4.00 |
| | | | 16-QAM | 27.96 | 23.04 | 4.81 |
| 3M | 18615 | 1851.5 | QPSK | 28.12 | 23.89 | 4.14 |
| | | | 16-QAM | 28.11 | 22.70 | 4.55 |
| | 18900 | 1880 | QPSK | 28.06 | 23.67 | 4.32 |
| | | | 16-QAM | 28.16 | 22.90 | 5.10 |
| | 19185 | 1908.5 | QPSK | 27.81 | 23.84 | 3.91 |
| | | | 16-QAM | 27.75 | 22.68 | 4.99 |
| 5M | 18625 | 1852.5 | QPSK | 27.84 | 23.44 | 4.35 |
| | | | 16-QAM | 27.64 | 22.38 | 5.16 |
| | 18900 | 1880 | QPSK | 27.65 | 23.18 | 4.41 |
| | | | 16-QAM | 27.71 | 22.43 | 5.13 |
| | 19175 | 1907.5 | QPSK | 27.51 | 23.29 | 4.14 |
| | | | 16-QAM | 27.50 | 22.79 | 4.67 |
| 10M | 18650 | 1855 | QPSK | 26.72 | 22.56 | 4.00 |
| | | | 16-QAM | 26.76 | 21.60 | 4.96 |
| | 18900 | 1880 | QPSK | 26.93 | 22.53 | 4.29 |
| | | | 16-QAM | 26.93 | 21.72 | 5.13 |
| | 19150 | 1905 | QPSK | 26.68 | 22.49 | 4.12 |
| | | | 16-QAM | 26.79 | 21.54 | 5.10 |
| 15M | 18675 | 1857.5 | QPSK | 26.51 | 22.11 | 4.20 |
| | | | 16-QAM | 26.48 | 21.29 | 5.04 |
| | 18900 | 1880 | QPSK | 26.56 | 22.03 | 4.41 |
| | | | 16-QAM | 26.54 | 21.14 | 5.33 |
| | 19125 | 1902.5 | QPSK | 26.21 | 22.06 | 4.00 |
| | | | 16-QAM | 26.15 | 21.16 | 4.87 |
| 20M | 18700 | 1860 | QPSK | 25.99 | 21.44 | 4.38 |
| | | | 16-QAM | 25.82 | 20.48 | 5.22 |
| | 18900 | 1880 | QPSK | 25.76 | 21.50 | 4.14 |
| | | | 16-QAM | 26.11 | 20.47 | 5.48 |
| | 19100 | 1900 | QPSK | 25.88 | 21.52 | 4.23 |
| | | | 16-QAM | 25.86 | 20.48 | 5.16 |

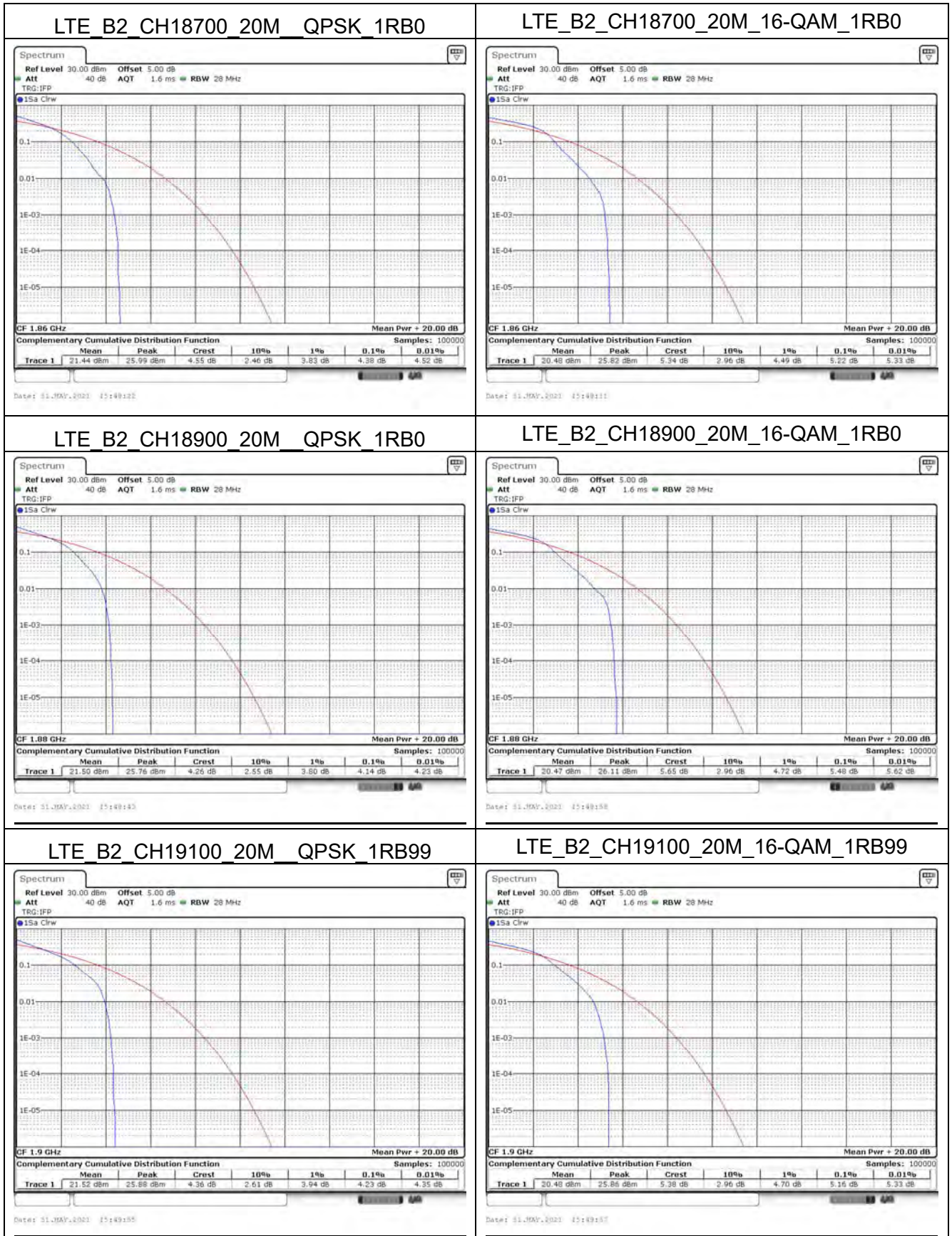






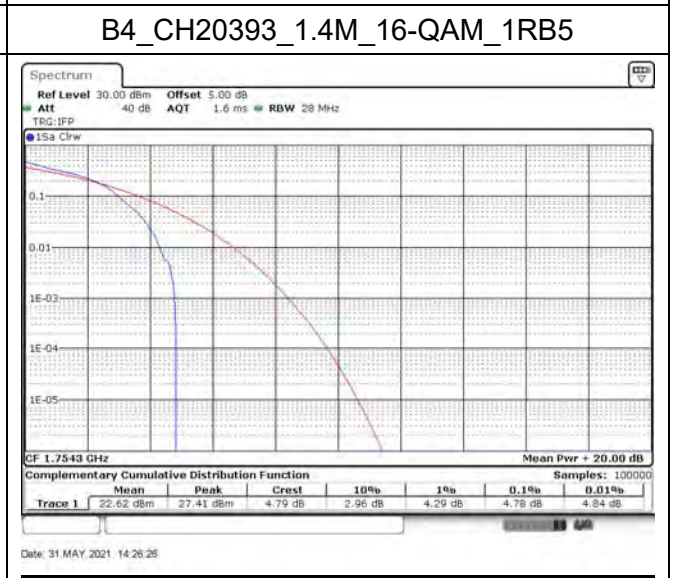
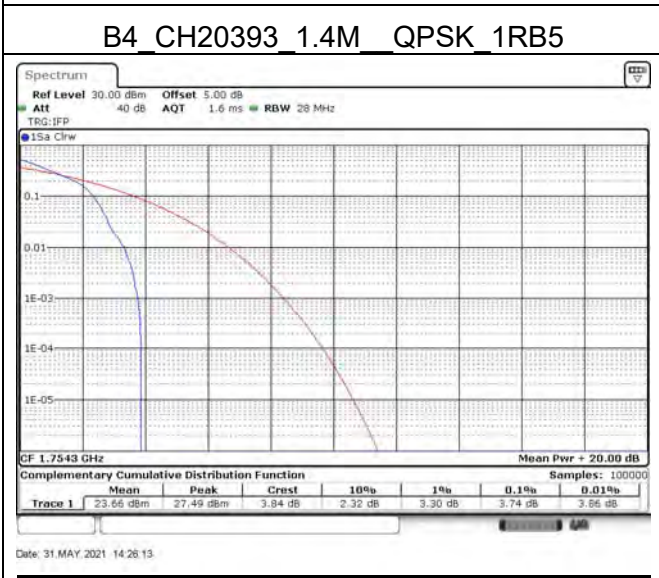
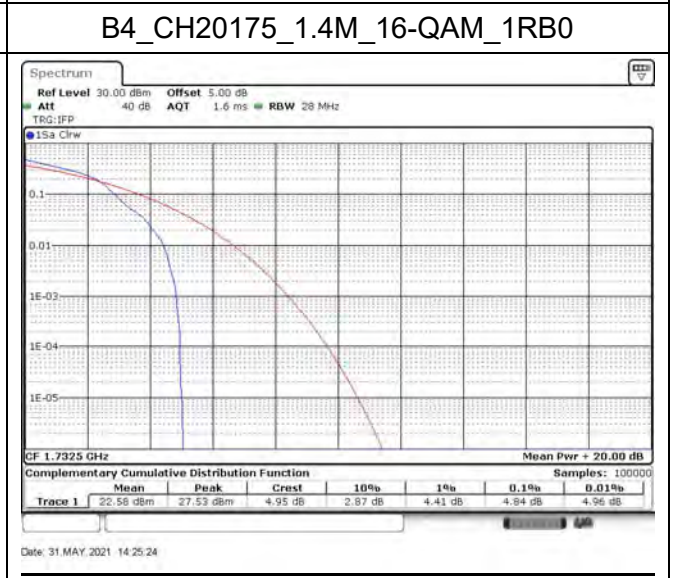
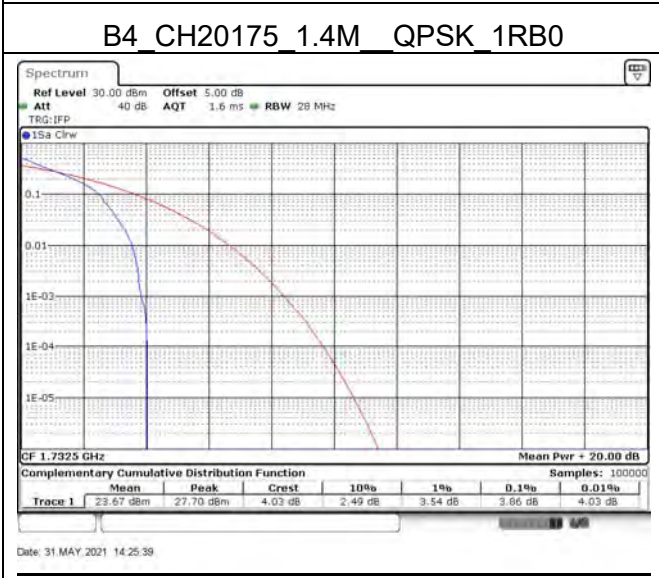
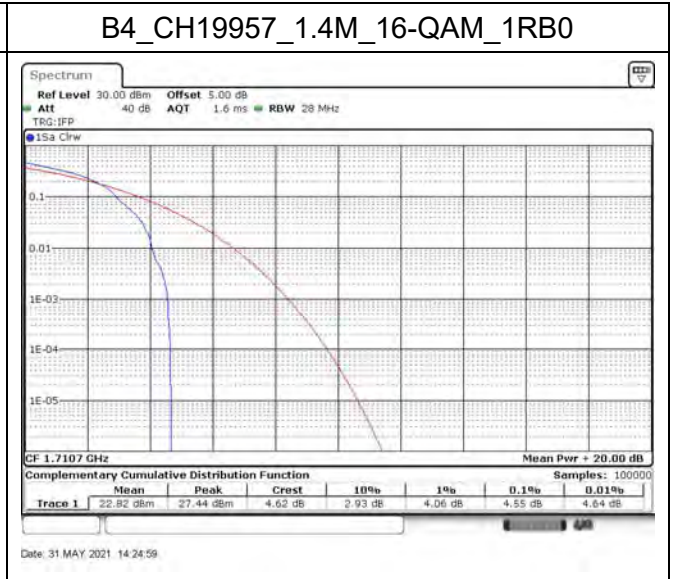
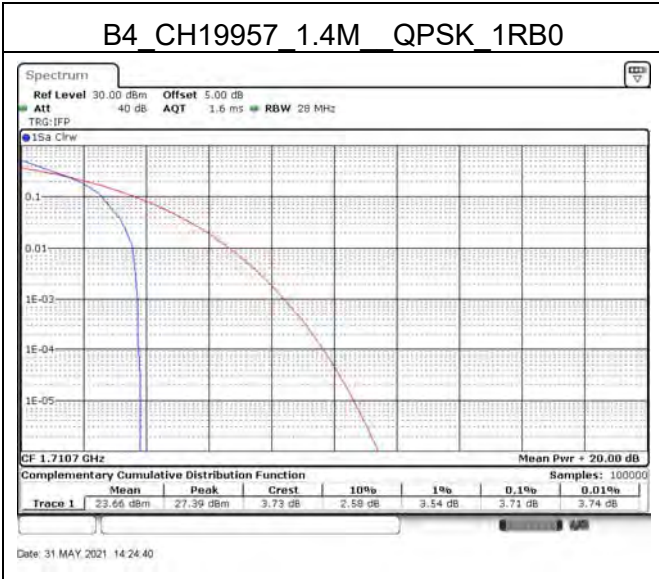


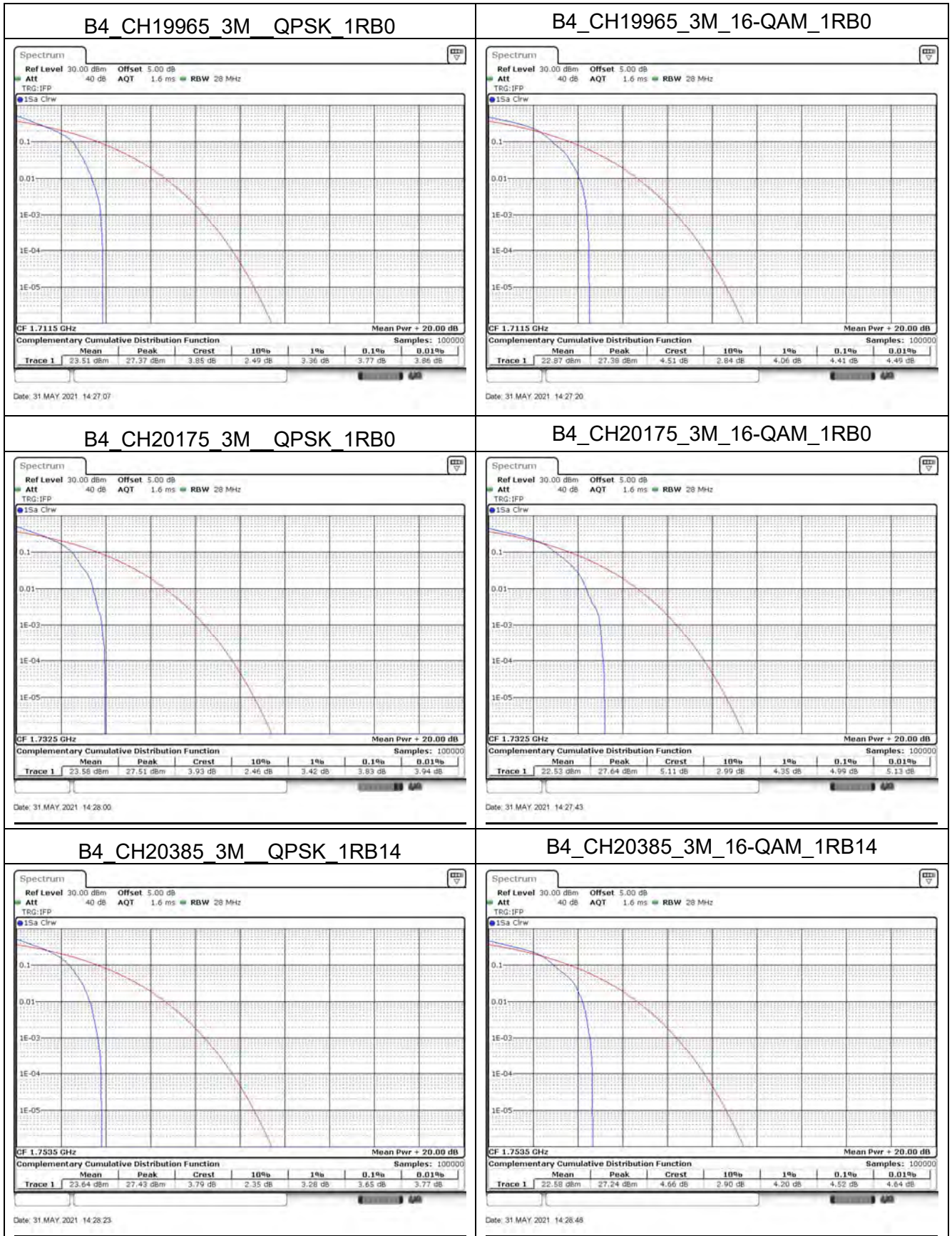


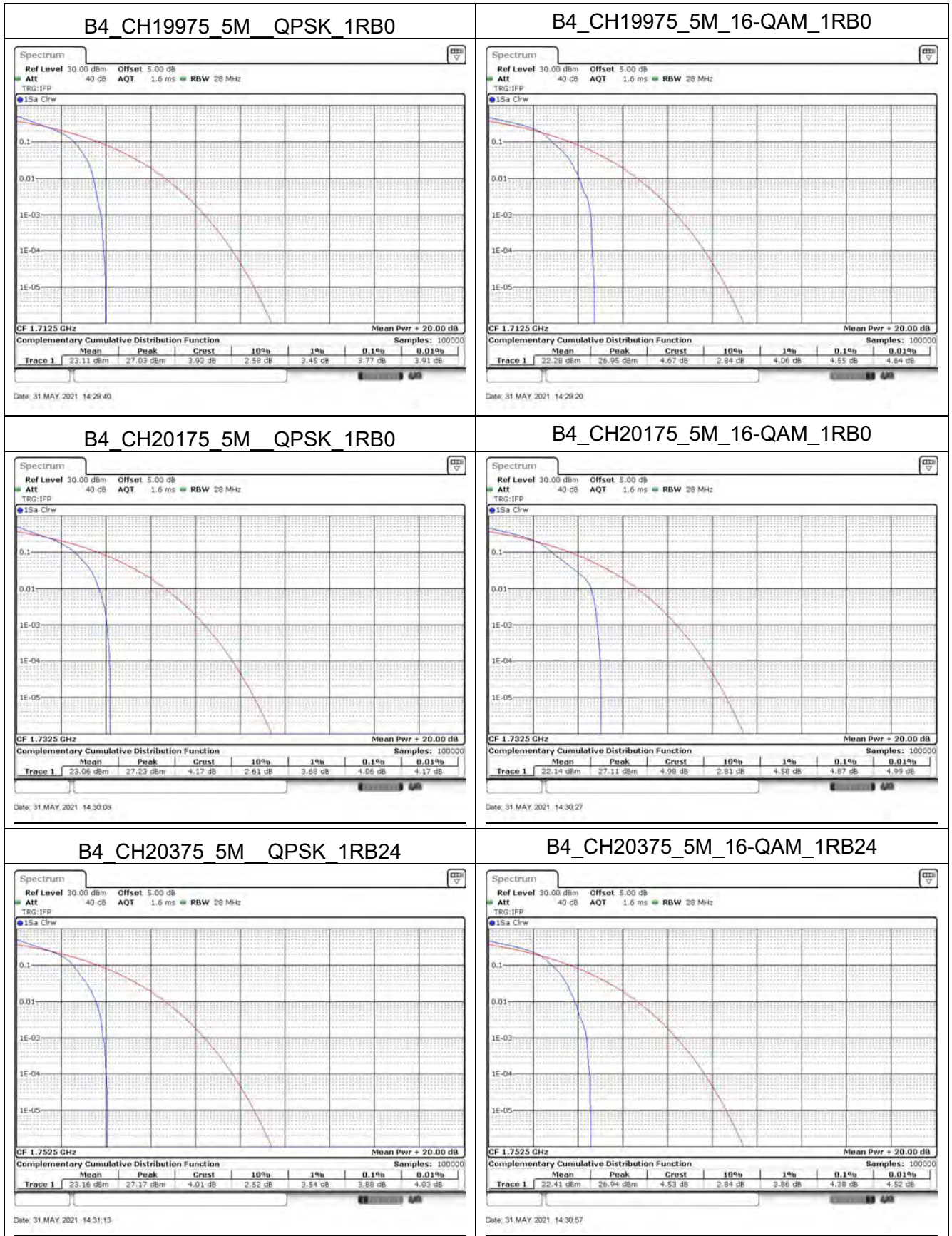


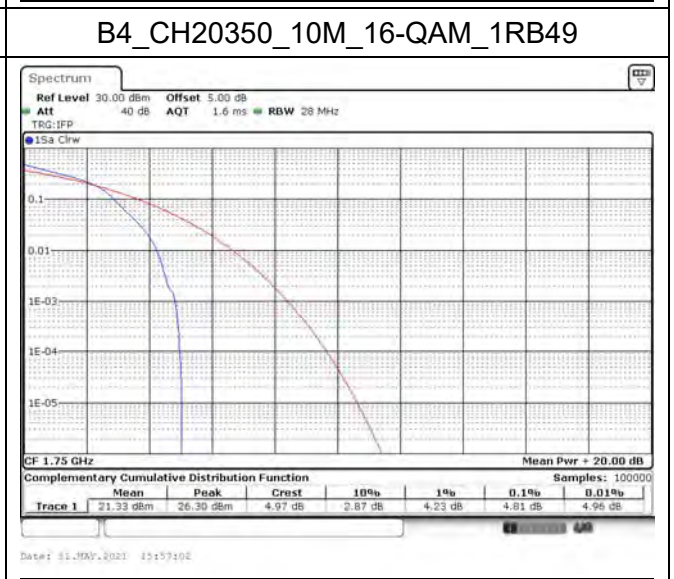
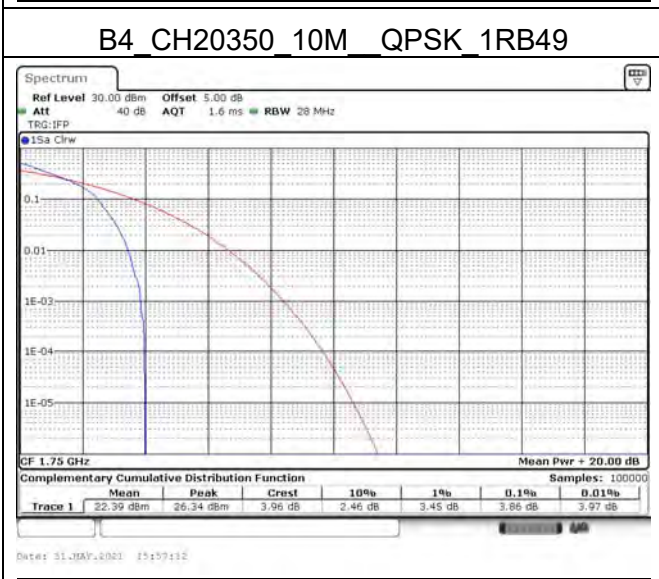
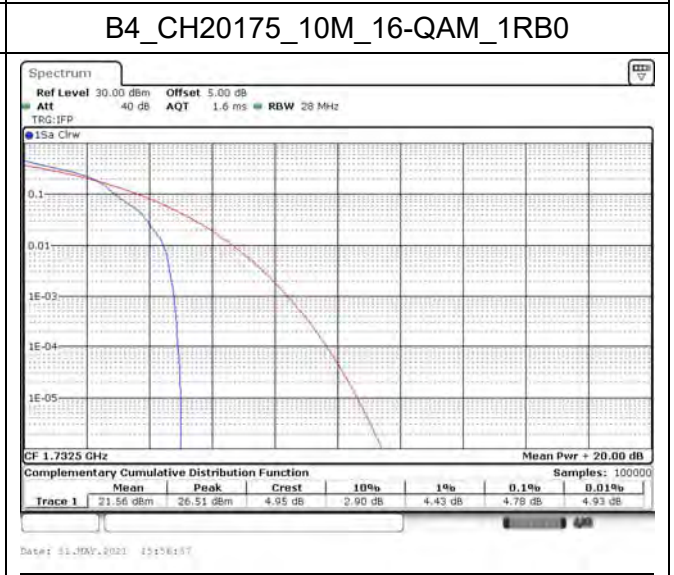
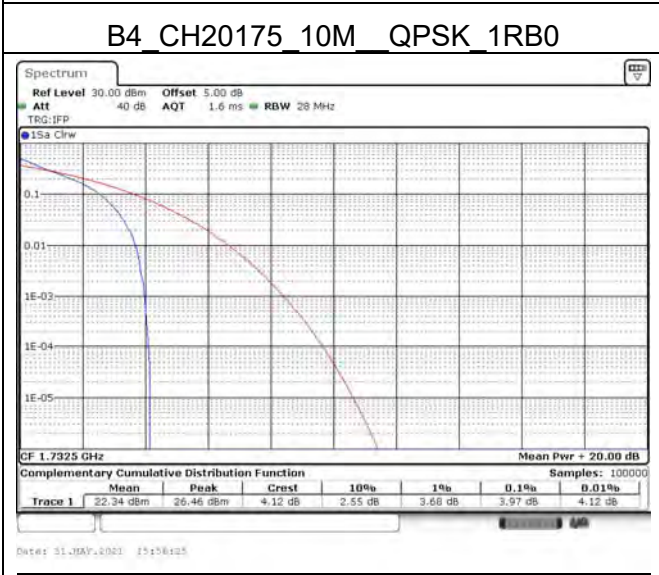
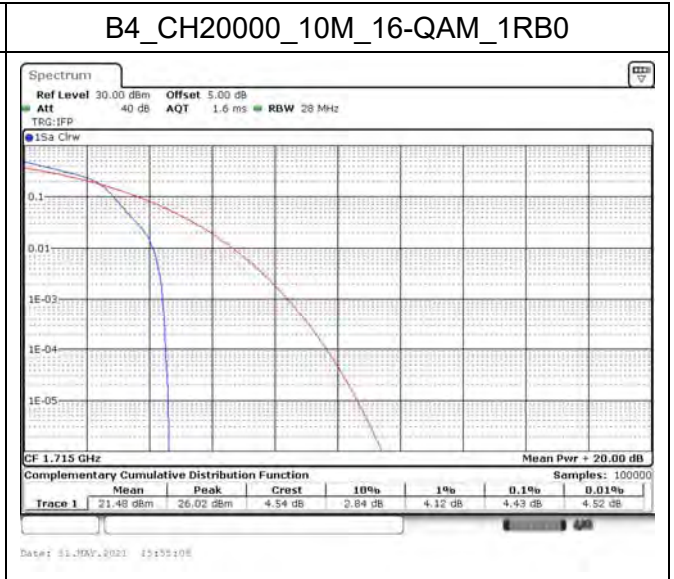
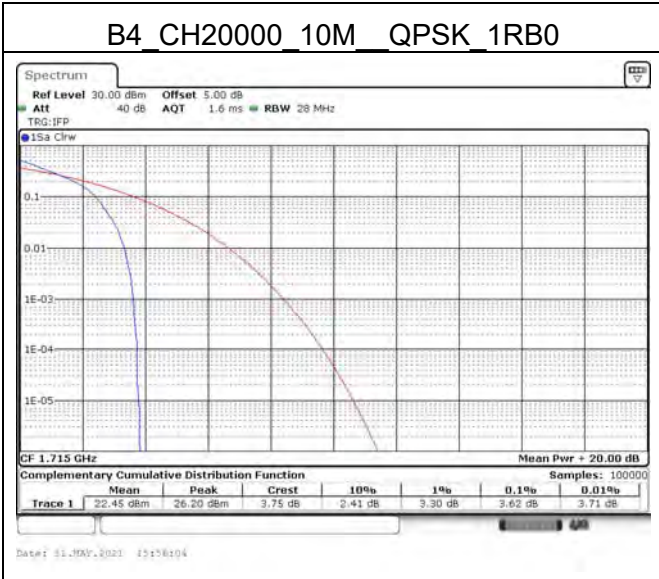
| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 2: LTE Band 4 | | |
| Date of Test | 2021/05/31 | Test Site | SR10-H |
| Temperature(°C) | 25 | Humidity (%RH) | 58 |

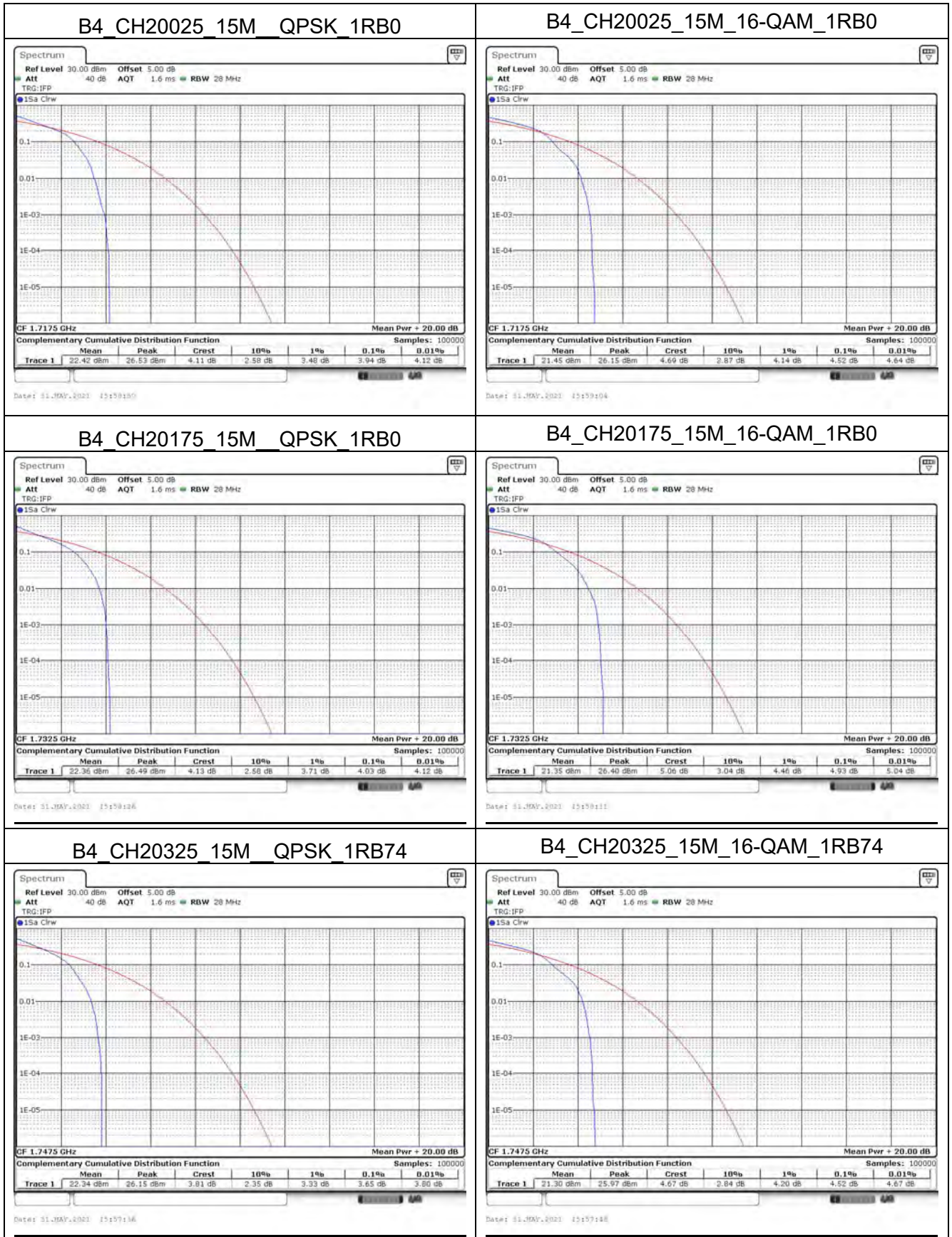
| BW | Ch | Freq. (MHz) | Modulation | Peak (dBm) | Average (dBm) | PAPR (dB) |
|------|-------|-------------|------------|------------|---------------|-----------|
| 1.4M | 19957 | 1710.7 | QPSK | 27.39 | 23.66 | 3.71 |
| | | | 16-QAM | 27.44 | 22.82 | 4.55 |
| | 20175 | 1732.5 | QPSK | 27.70 | 23.67 | 3.86 |
| | | | 16-QAM | 27.53 | 22.58 | 4.84 |
| | 20393 | 1754.3 | QPSK | 27.49 | 23.66 | 3.74 |
| | | | 16-QAM | 27.41 | 22.62 | 4.78 |
| 3M | 19965 | 1711.5 | QPSK | 27.37 | 23.51 | 3.77 |
| | | | 16-QAM | 27.38 | 22.87 | 4.41 |
| | 20175 | 1732.5 | QPSK | 27.51 | 23.58 | 3.83 |
| | | | 16-QAM | 27.64 | 22.53 | 4.99 |
| | 20385 | 1753.5 | QPSK | 27.43 | 23.64 | 3.65 |
| | | | 16-QAM | 27.24 | 22.58 | 4.52 |
| 5M | 19975 | 1712.5 | QPSK | 27.03 | 23.11 | 3.77 |
| | | | 16-QAM | 26.95 | 22.28 | 4.55 |
| | 20175 | 1732.5 | QPSK | 27.23 | 23.06 | 4.06 |
| | | | 16-QAM | 27.11 | 22.14 | 4.87 |
| | 20375 | 1752.5 | QPSK | 27.17 | 23.16 | 3.88 |
| | | | 16-QAM | 26.94 | 22.41 | 4.38 |
| 10M | 20000 | 1715 | QPSK | 26.20 | 22.45 | 3.62 |
| | | | 16-QAM | 26.02 | 21.48 | 4.43 |
| | 20175 | 1732.5 | QPSK | 26.46 | 22.34 | 3.97 |
| | | | 16-QAM | 26.51 | 21.56 | 4.78 |
| | 20350 | 1750 | QPSK | 26.34 | 22.39 | 3.86 |
| | | | 16-QAM | 26.30 | 21.33 | 4.81 |
| 15M | 20025 | 1717.5 | QPSK | 26.53 | 22.42 | 3.94 |
| | | | 16-QAM | 26.15 | 21.45 | 4.52 |
| | 20175 | 1732.5 | QPSK | 26.49 | 22.36 | 4.03 |
| | | | 16-QAM | 26.40 | 21.35 | 4.93 |
| | 20325 | 1747.5 | QPSK | 26.15 | 22.34 | 3.65 |
| | | | 16-QAM | 25.97 | 21.30 | 4.52 |
| 20M | 20050 | 1720 | QPSK | 25.37 | 21.31 | 3.94 |
| | | | 16-QAM | 25.25 | 20.59 | 4.46 |
| | 20175 | 1732.5 | QPSK | 25.60 | 21.30 | 4.17 |
| | | | 16-QAM | 25.67 | 20.21 | 5.25 |
| | 20300 | 1745 | QPSK | 25.31 | 21.22 | 3.91 |
| | | | 16-QAM | 25.20 | 20.37 | 4.67 |

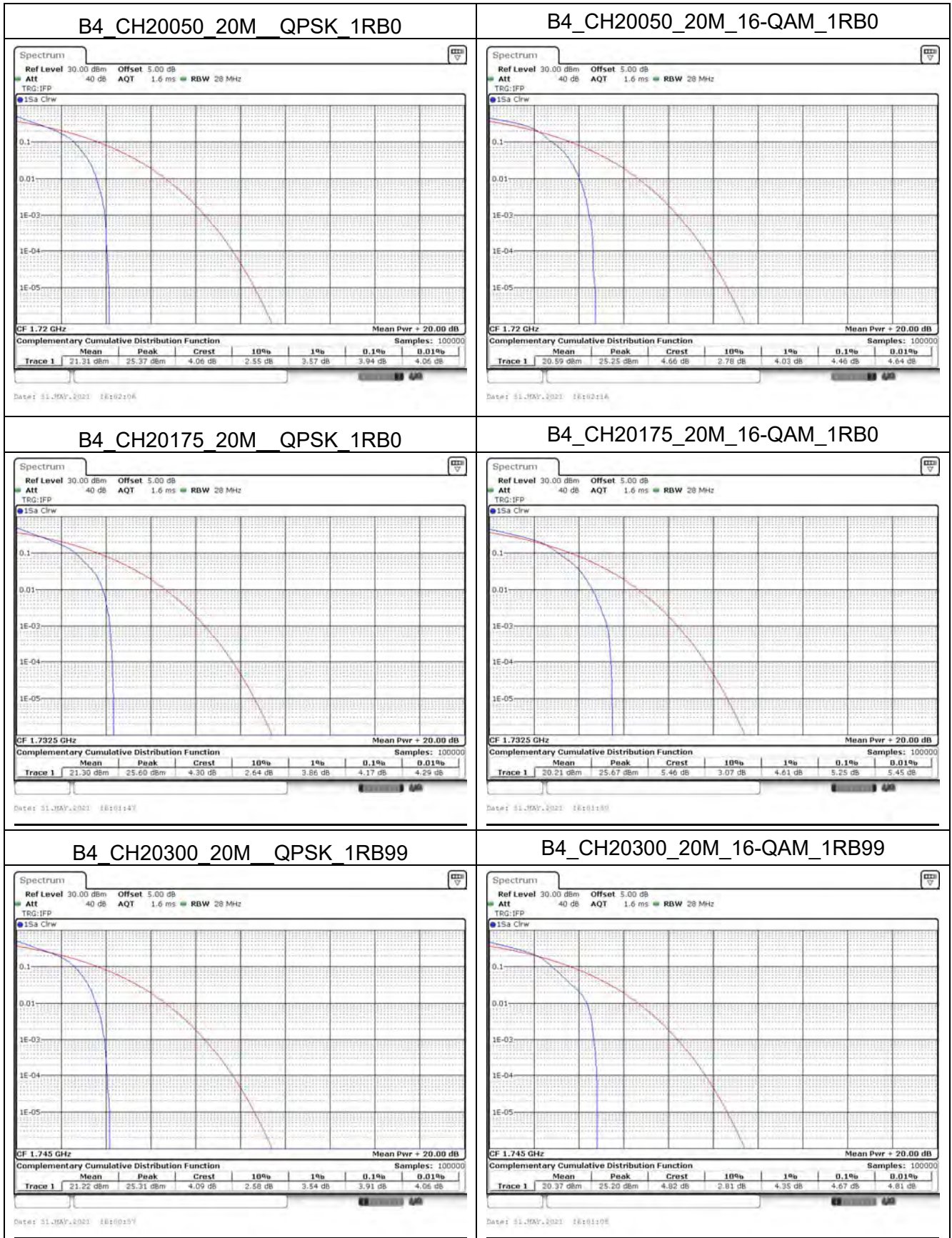






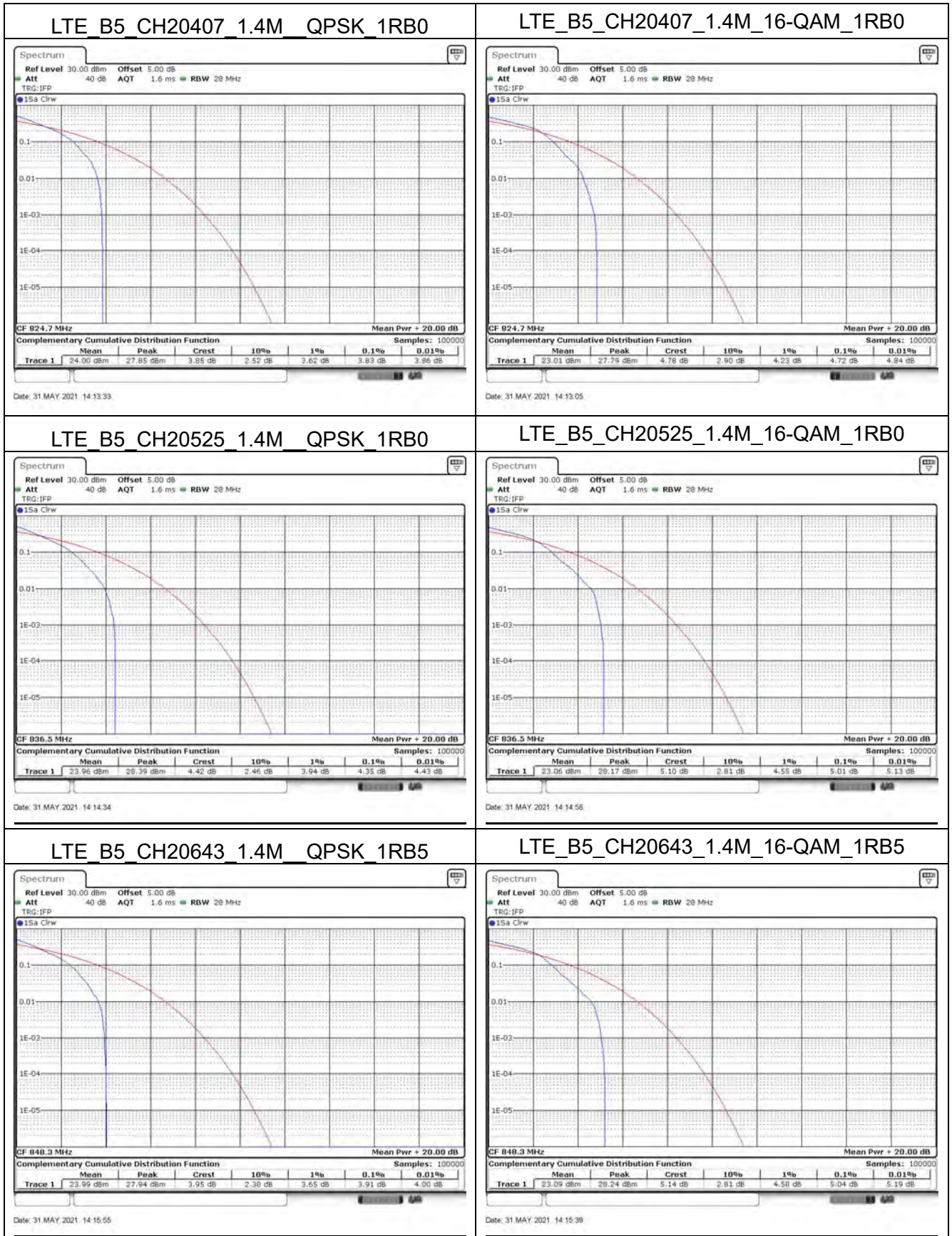


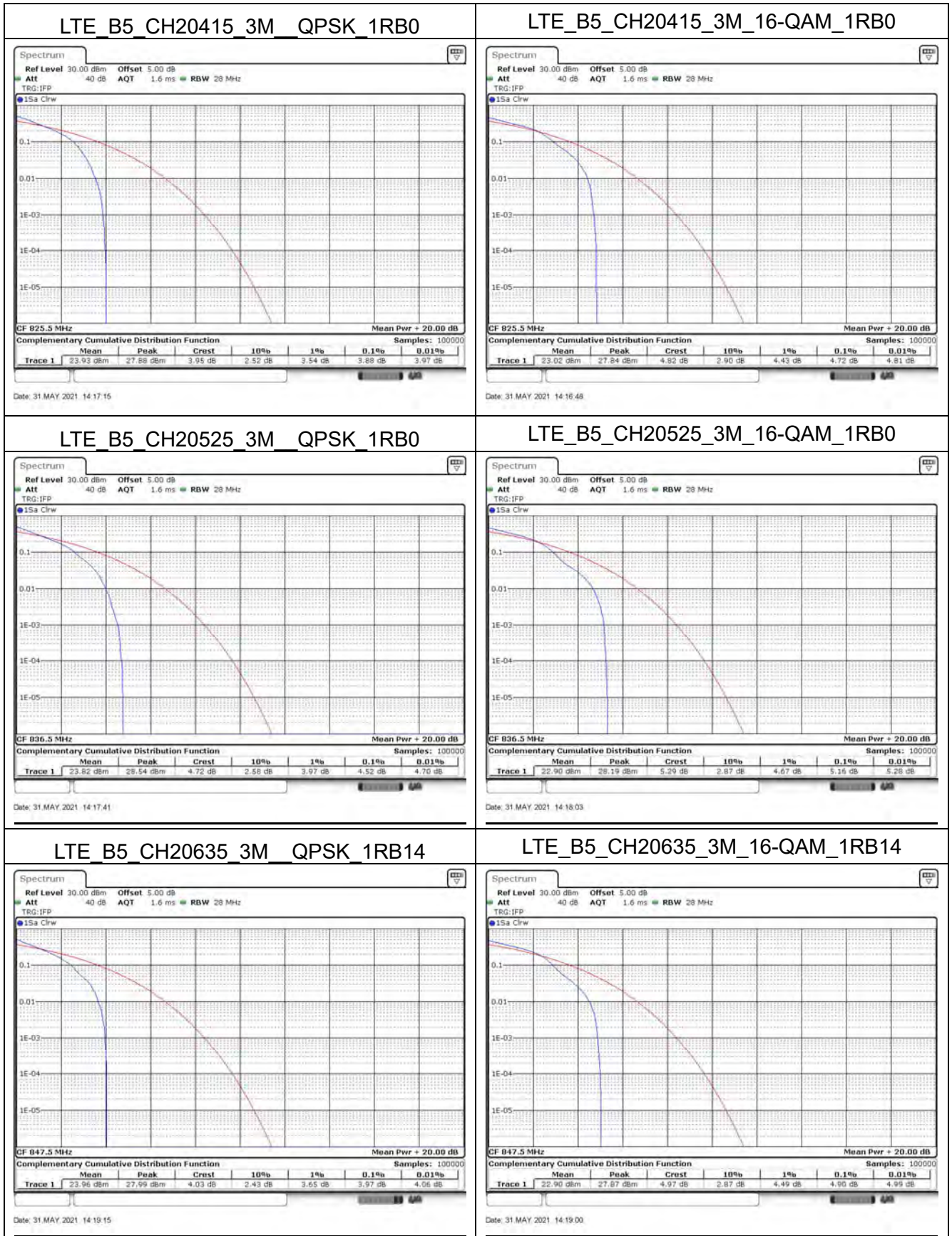


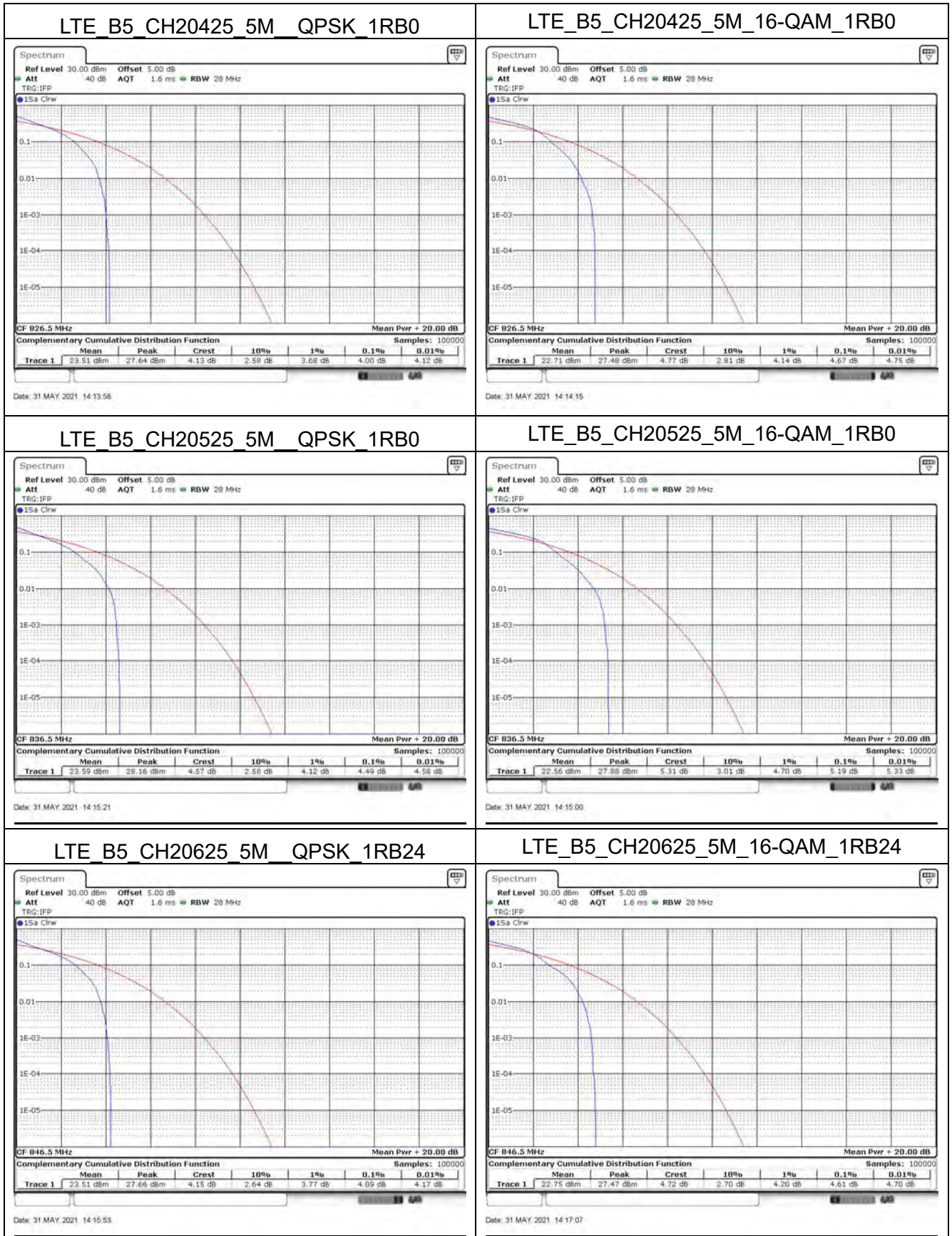


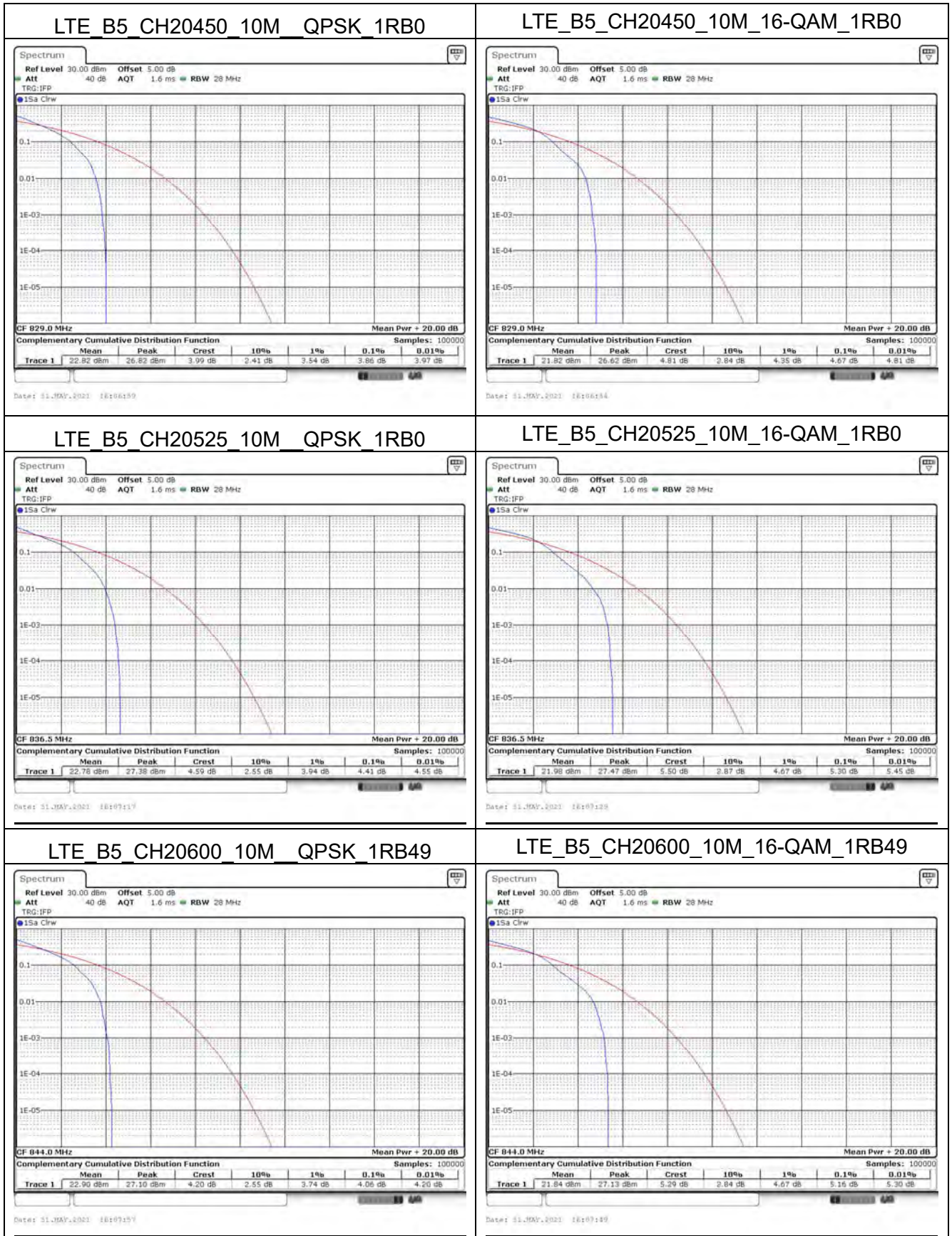
| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 3: LTE Band 5 | | |
| Date of Test | 2021/05/31 | Test Site | SR10-H |
| Temperature(°C) | 25 | Humidity (%RH) | 58 |

| BW | Ch | Freq. (MHz) | Modulation | Peak (dBm) | Average (dBm) | PAPR (dB) |
|------|-------|-------------|------------|------------|---------------|-----------|
| 1.4M | 20407 | 824.7 | QPSK | 27.85 | 24.00 | 3.83 |
| | | | 16-QAM | 27.79 | 23.01 | 4.72 |
| | 20525 | 836.5 | QPSK | 28.39 | 23.96 | 4.35 |
| | | | 16-QAM | 28.17 | 23.06 | 5.01 |
| | 20643 | 848.3 | QPSK | 27.94 | 23.99 | 3.91 |
| | | | 16-QAM | 28.24 | 23.09 | 5.04 |
| 3M | 20415 | 825.5 | QPSK | 27.88 | 23.93 | 3.88 |
| | | | 16-QAM | 27.84 | 23.02 | 4.72 |
| | 20525 | 836.5 | QPSK | 28.54 | 23.82 | 4.52 |
| | | | 16-QAM | 28.19 | 22.90 | 5.16 |
| | 20635 | 847.5 | QPSK | 27.99 | 23.96 | 3.97 |
| | | | 16-QAM | 27.87 | 22.90 | 4.90 |
| 5M | 20425 | 826.5 | QPSK | 27.64 | 23.51 | 4.00 |
| | | | 16-QAM | 27.48 | 22.71 | 4.67 |
| | 20525 | 836.5 | QPSK | 28.16 | 23.59 | 4.49 |
| | | | 16-QAM | 27.88 | 22.56 | 5.19 |
| | 20625 | 846.5 | QPSK | 27.66 | 23.51 | 4.09 |
| | | | 16-QAM | 27.47 | 22.75 | 4.61 |
| 10M | 20450 | 829 | QPSK | 26.82 | 22.82 | 3.86 |
| | | | 16-QAM | 26.62 | 21.82 | 4.67 |
| | 20525 | 836.5 | QPSK | 27.38 | 22.78 | 4.41 |
| | | | 16-QAM | 27.47 | 21.98 | 5.30 |
| | 20600 | 844 | QPSK | 27.10 | 22.90 | 4.06 |
| | | | 16-QAM | 27.13 | 21.84 | 5.16 |



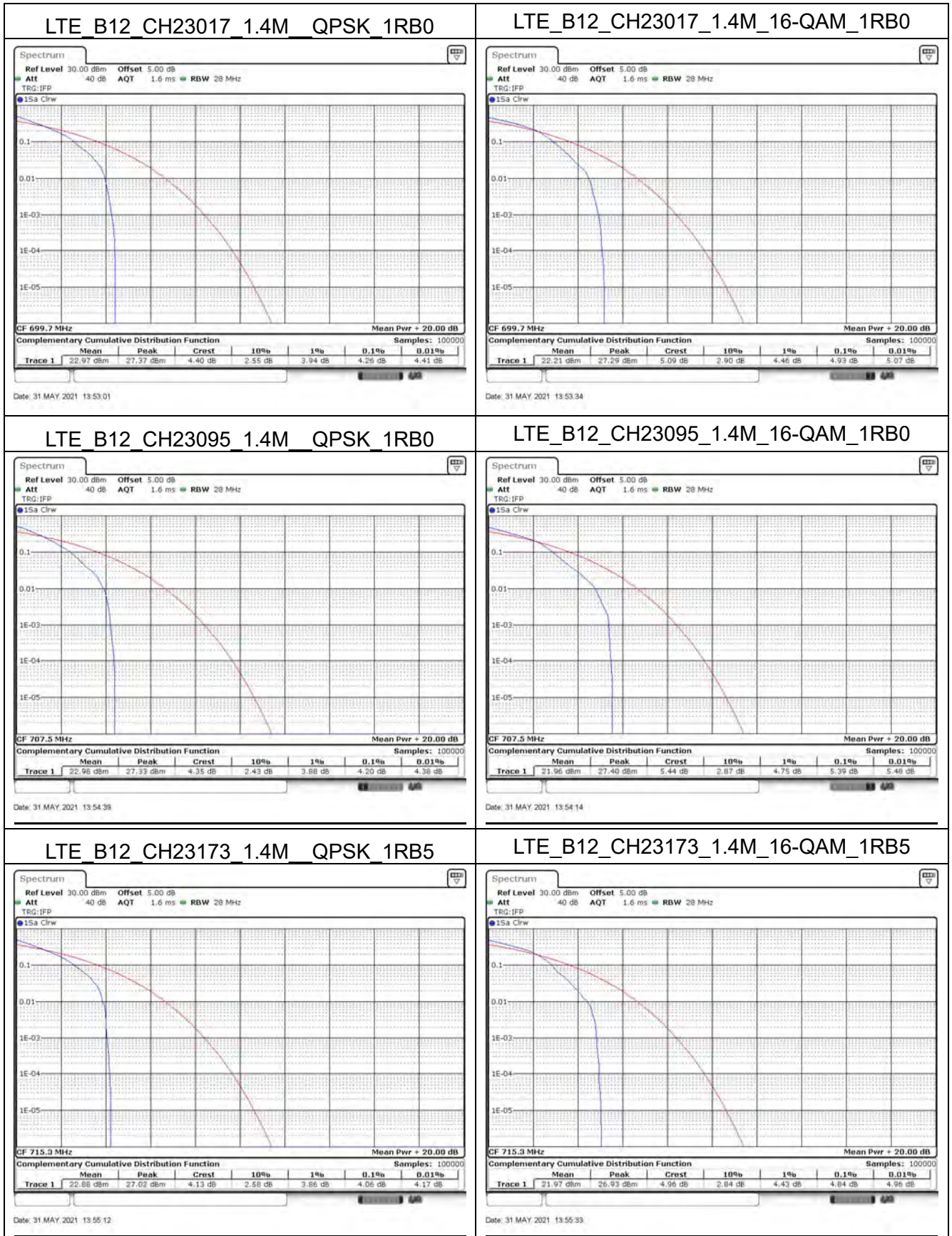


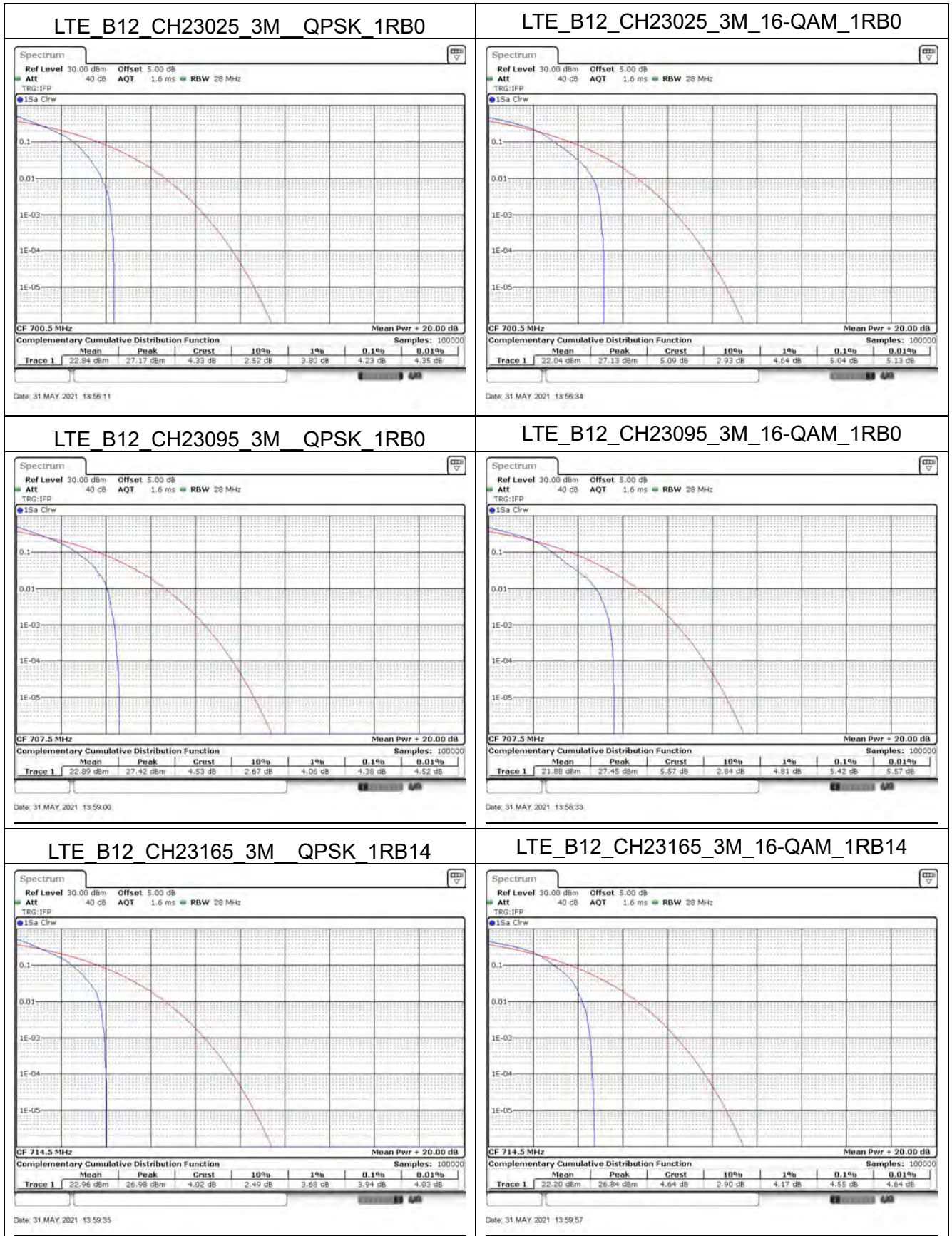


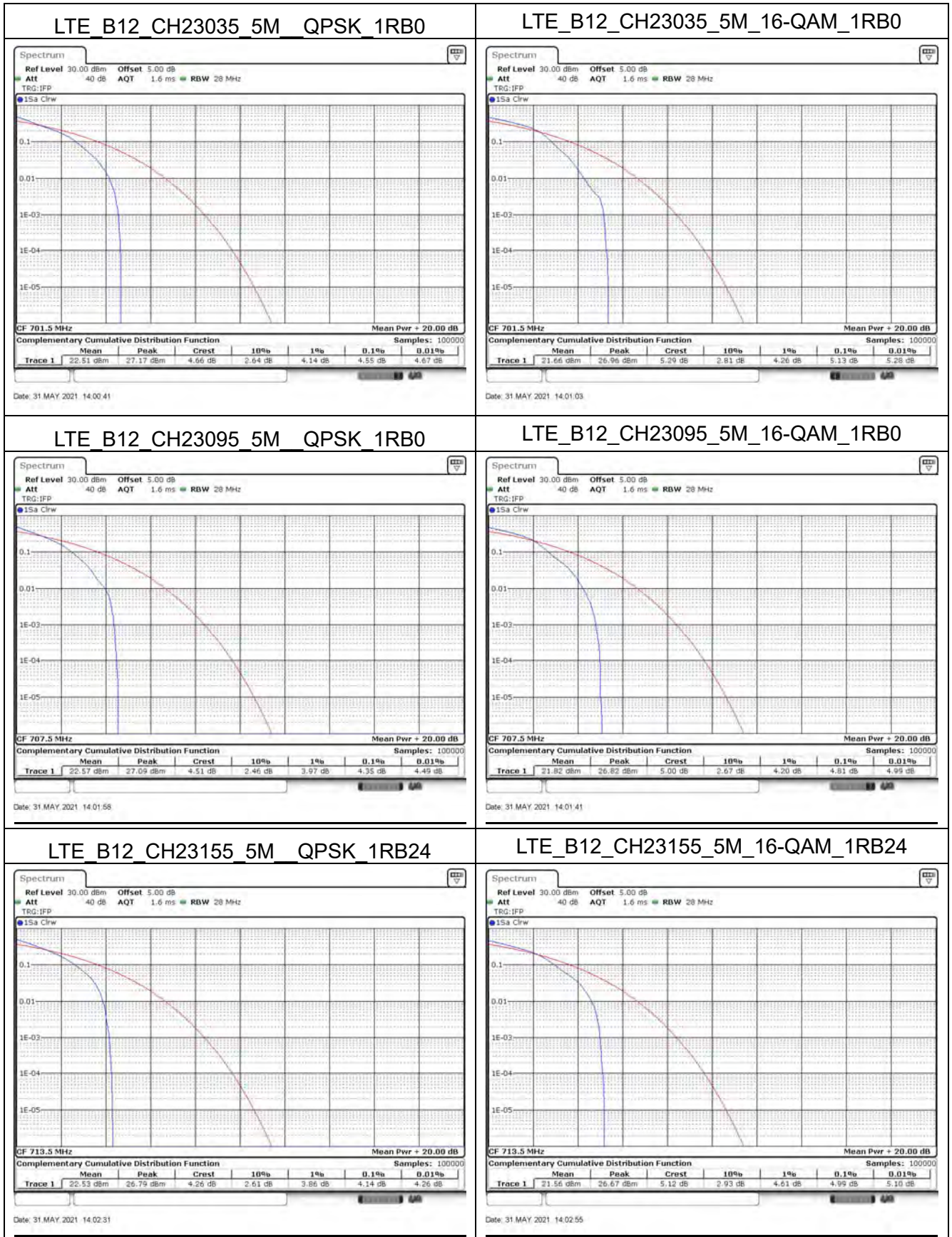


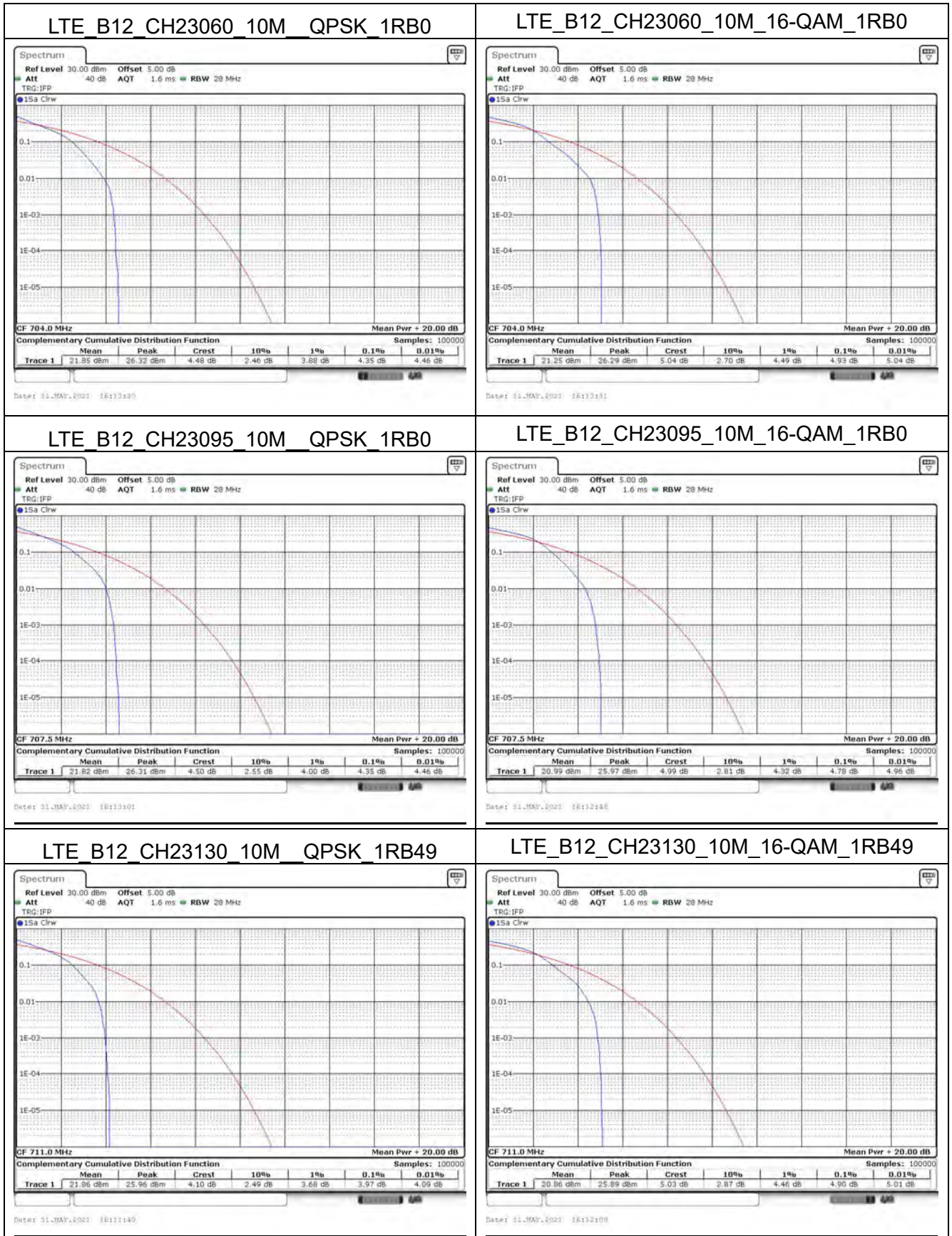
| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 4: LTE Band 12 | | |
| Date of Test | 2021/05/31 | Test Site | SR10-H |
| Temperature(°C) | 25 | Humidity (%RH) | 58 |

| BW | Ch | Freq. (MHz) | Modulation | Peak (dBm) | Average (dBm) | PAPR (dB) |
|------|-------|-------------|------------|------------|---------------|-----------|
| 1.4M | 23017 | 699.7 | QPSK | 27.37 | 22.97 | 4.26 |
| | | | 16-QAM | 27.29 | 22.21 | 4.93 |
| | 23097 | 707.5 | QPSK | 27.33 | 22.98 | 4.20 |
| | | | 16-QAM | 27.40 | 21.96 | 5.39 |
| | 23173 | 715.3 | QPSK | 27.02 | 22.88 | 4.06 |
| | | | 16-QAM | 26.93 | 21.97 | 4.84 |
| 3M | 23025 | 700.5 | QPSK | 27.17 | 22.84 | 4.23 |
| | | | 16-QAM | 27.13 | 22.04 | 5.04 |
| | 23095 | 707.5 | QPSK | 27.42 | 22.89 | 4.38 |
| | | | 16-QAM | 27.45 | 21.88 | 5.42 |
| | 23165 | 714.5 | QPSK | 26.98 | 22.96 | 3.94 |
| | | | 16-QAM | 26.84 | 22.20 | 4.55 |
| 5M | 23035 | 701.5 | QPSK | 27.17 | 22.51 | 4.55 |
| | | | 16-QAM | 26.96 | 21.66 | 5.13 |
| | 23095 | 707.5 | QPSK | 27.09 | 22.57 | 4.35 |
| | | | 16-QAM | 26.82 | 21.82 | 4.81 |
| | 23155 | 713.5 | QPSK | 26.79 | 22.53 | 4.14 |
| | | | 16-QAM | 26.67 | 21.56 | 4.99 |
| 10M | 23060 | 704 | QPSK | 26.32 | 21.85 | 4.35 |
| | | | 16-QAM | 26.29 | 21.25 | 4.93 |
| | 23095 | 707.5 | QPSK | 26.31 | 21.82 | 4.35 |
| | | | 16-QAM | 25.97 | 20.99 | 4.78 |
| | 23130 | 711 | QPSK | 25.96 | 21.86 | 3.97 |
| | | | 16-QAM | 25.89 | 20.86 | 4.90 |



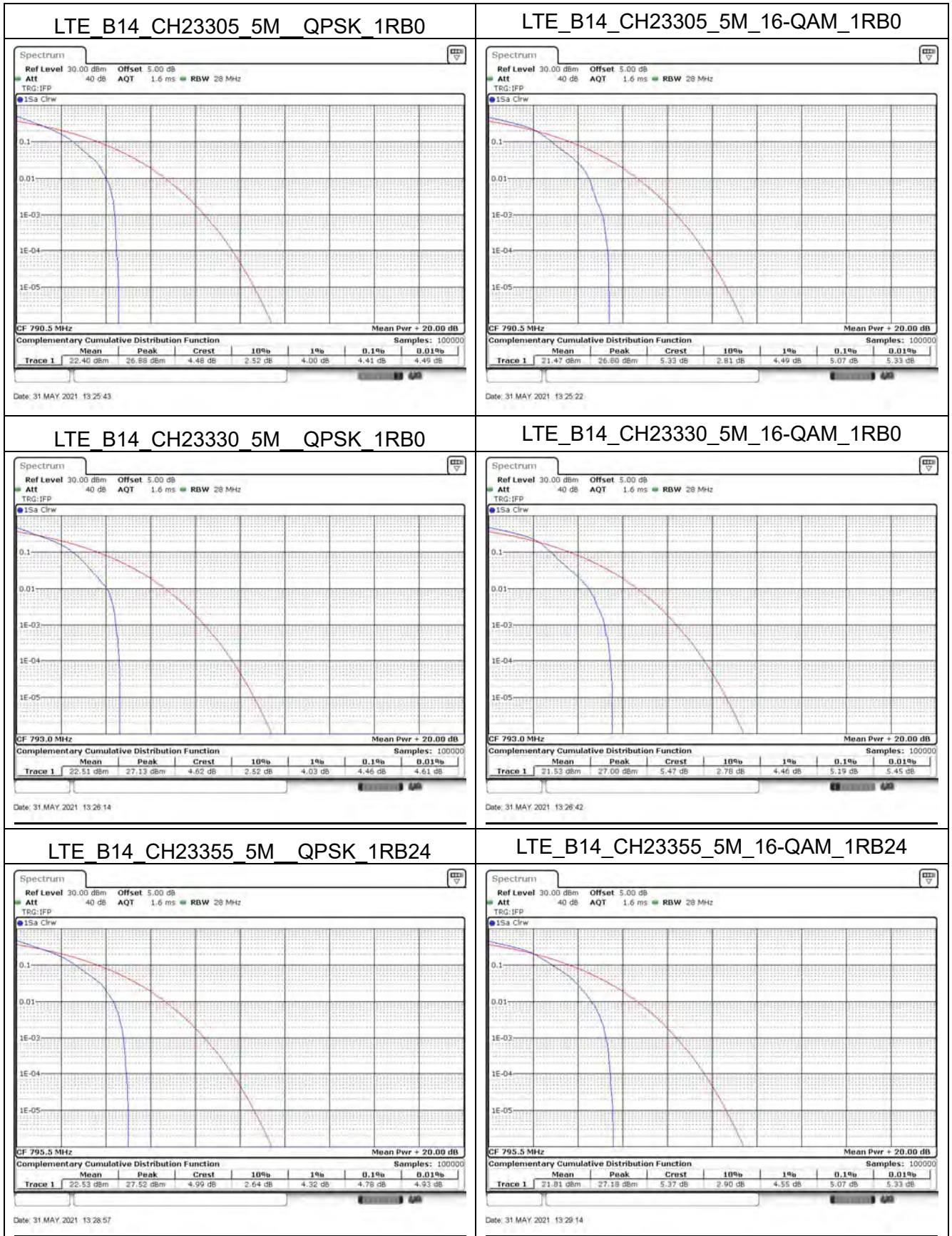


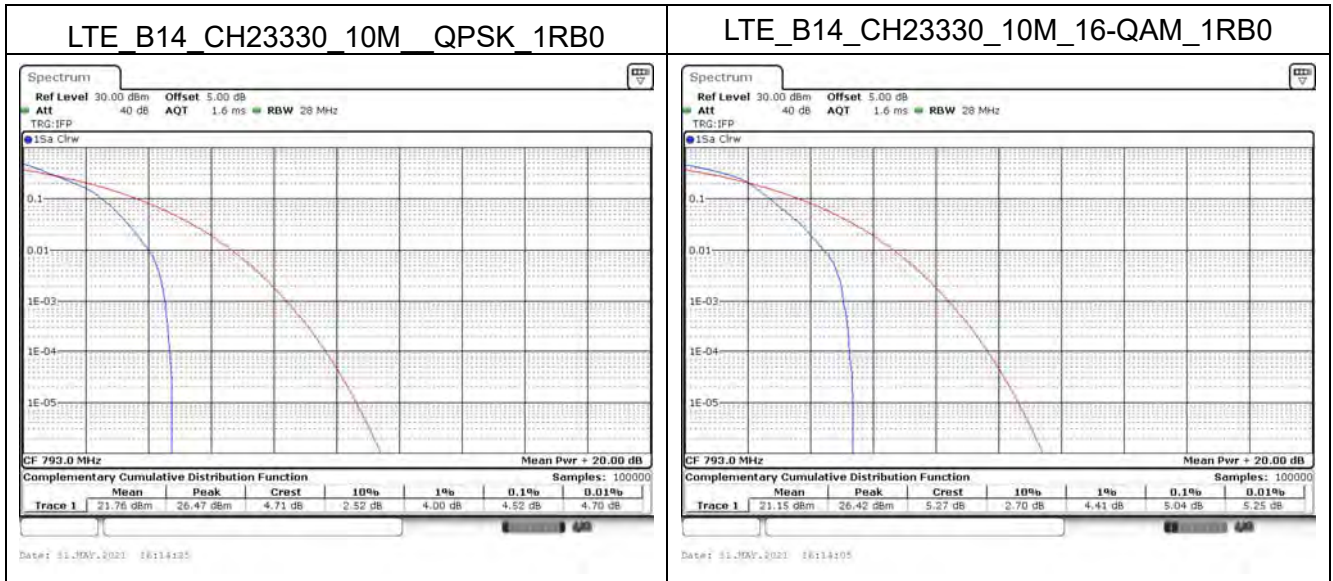




| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 5: LTE Band 14 | | |
| Date of Test | 2021/05/31 | Test Site | SR10-H |
| Temperature(°C) | 25 | Humidity (%RH) | 58 |

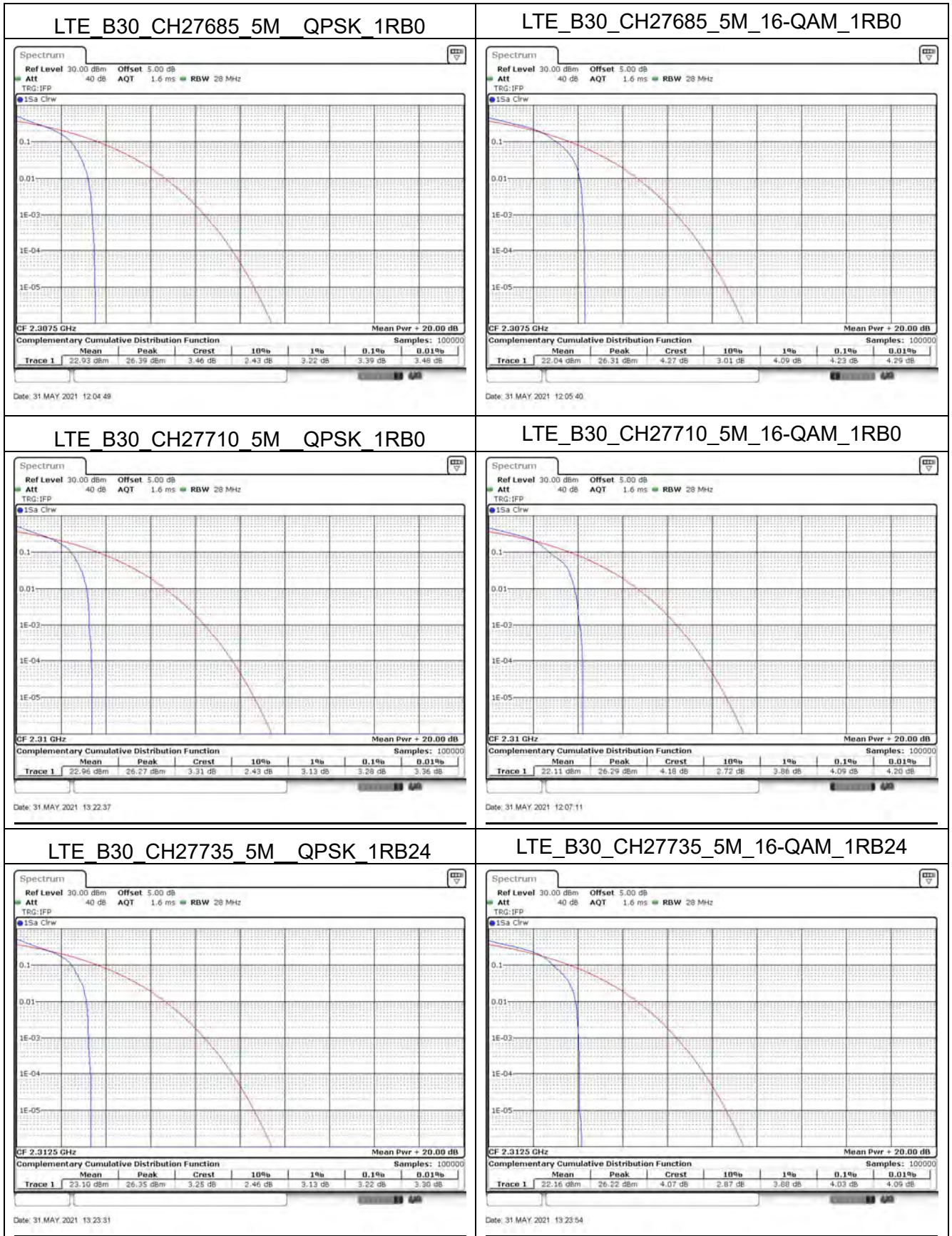
| BW | Ch | Freq. (MHz) | Modulation | Peak (dBm) | Average (dBm) | PAPR (dB) |
|-----|-------|----------------|------------|---------------|------------------|--------------|
| 5M | 23305 | 790.5 | QPSK | 26.88 | 22.40 | 4.41 |
| | | | 16-QAM | 26.80 | 21.47 | 5.07 |
| | 23330 | 793 | QPSK | 27.13 | 22.51 | 4.46 |
| | | | 16-QAM | 27.00 | 21.53 | 5.19 |
| | 23355 | 795.5 | QPSK | 27.52 | 22.53 | 4.78 |
| | | | 16-QAM | 27.18 | 21.81 | 5.07 |
| 10M | 23330 | 793 | QPSK | 26.47 | 21.76 | 4.52 |
| | | | 16-QAM | 26.42 | 21.15 | 5.04 |





| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 6: LTE Band 30 | | |
| Date of Test | 2021/05/31 | Test Site | SR10-H |
| Temperature(°C) | 25 | Humidity (%RH) | 58 |

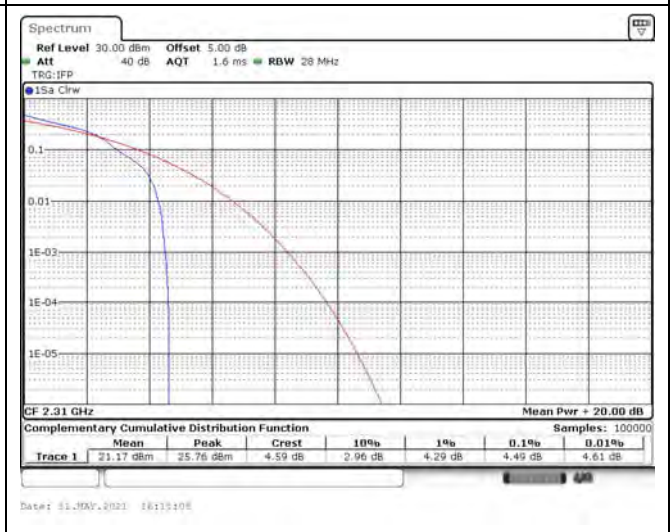
| BW | Ch | Freq. (MHz) | Modulation | Peak (dBm) | Average (dBm) | PAPR (dB) |
|-----|-------|-------------|------------|------------|---------------|-----------|
| 5M | 27685 | 2307.5 | QPSK | 26.39 | 22.93 | 3.39 |
| | | | 16-QAM | 26.31 | 22.04 | 4.23 |
| | 27710 | 2310 | QPSK | 26.27 | 22.96 | 3.28 |
| | | | 16-QAM | 26.29 | 22.11 | 4.09 |
| | 27735 | 2312.5 | QPSK | 26.35 | 23.10 | 3.22 |
| | | | 16-QAM | 26.22 | 22.16 | 4.03 |
| 10M | 27710 | 2310 | QPSK | 25.73 | 22.22 | 3.45 |
| | | | 16-QAM | 25.73 | 22.22 | 3.45 |



LTE_B30_CH27710_10M_QPSK_1RB0



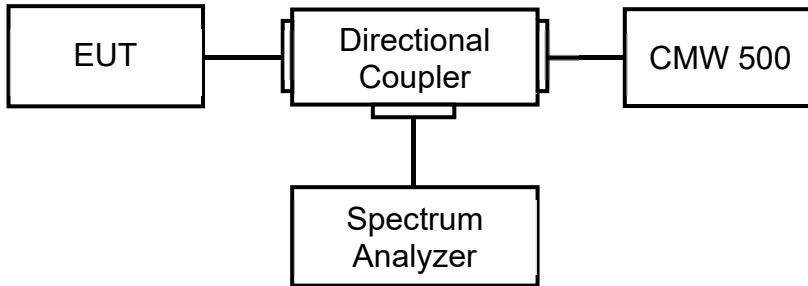
LTE_B30_CH27710_10M_16-QAM_1RB0



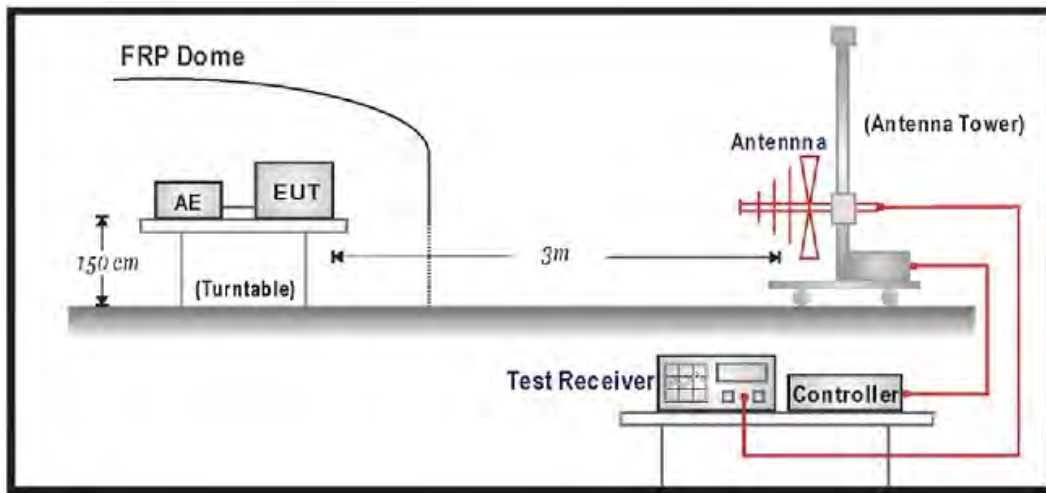
6. Spurious Emissions

6.1. Test Setup

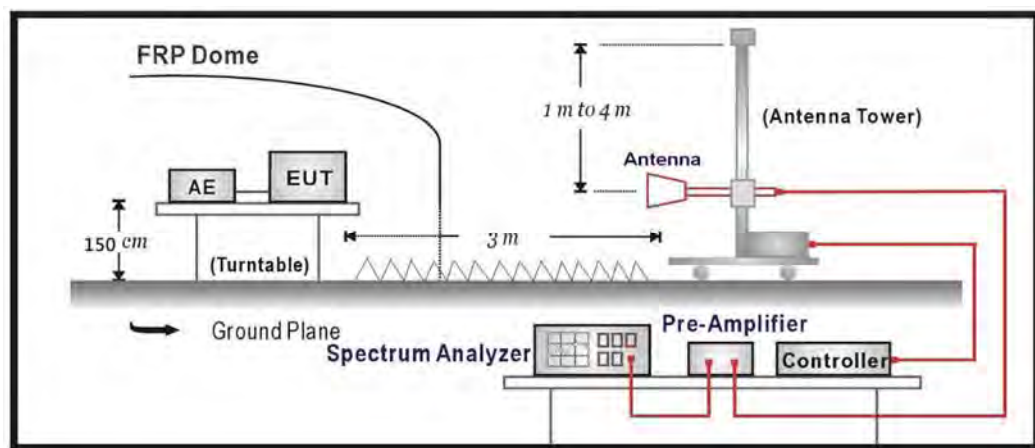
Conducted Spurious Measurement:



Radiated Spurious Measurement (below 1GHz)



Radiated Spurious Measurement (above 1GHz)



6.2. Test Procedure

Conducted Spurious Measurement:

- a) Place the EUT on a bench and set it in transmitting mode.
- b) Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMW500 by a Directional Couple.
- c) EUT Communicate with CMW500, then select a channel for testing.
- d) Add a correction factor to the display of spectrum, and then test.
- e) The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10th harmonic.

Radiated Spurious Measurement:

- a) The EUT was placed on a rotatable wooden table with 1.5 meter above ground.
- b) The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
- c) The table was rotated 360 degrees to determine the position of the highest spurious emission.
- d) 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.
- e) Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 1MHz, Sweep 500ms, Taking the record of maximum spurious emission.
- f) A horn antenna was substituted in place of the EUT and was driven by a signal generator.
- g) Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- h) Taking the record of output power at antenna port
- i) Repeat step 7 to step 8 for another polarization.
- j) $EIRP = SG - \text{Cable loss} + \text{Antenna Gain}$

6.3. Test Method

Conducted Spurious Measurement:

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 6.1
ANSI C63.26: 2015 Sub-clause 5.7

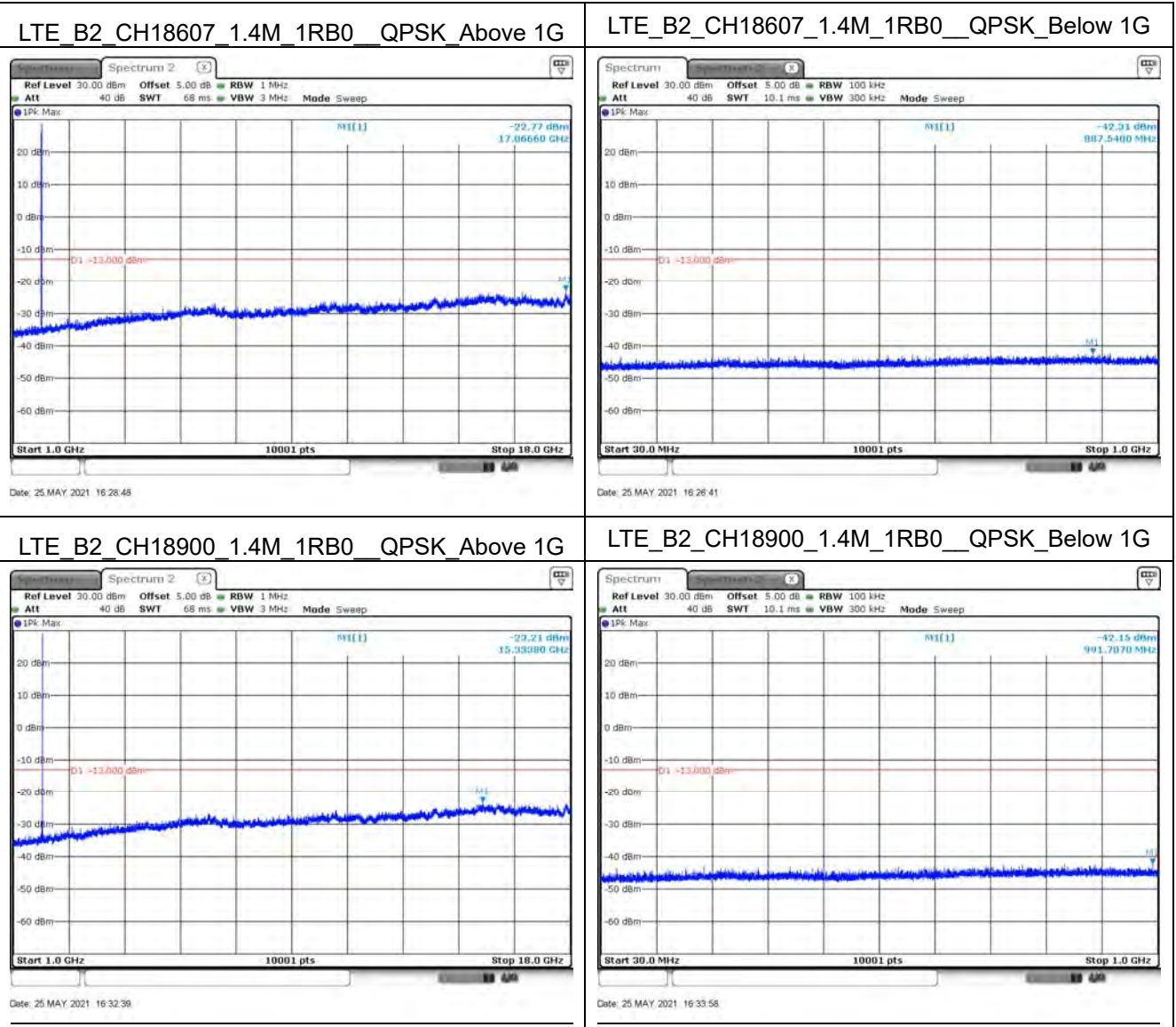
Radiated Spurious Measurement:

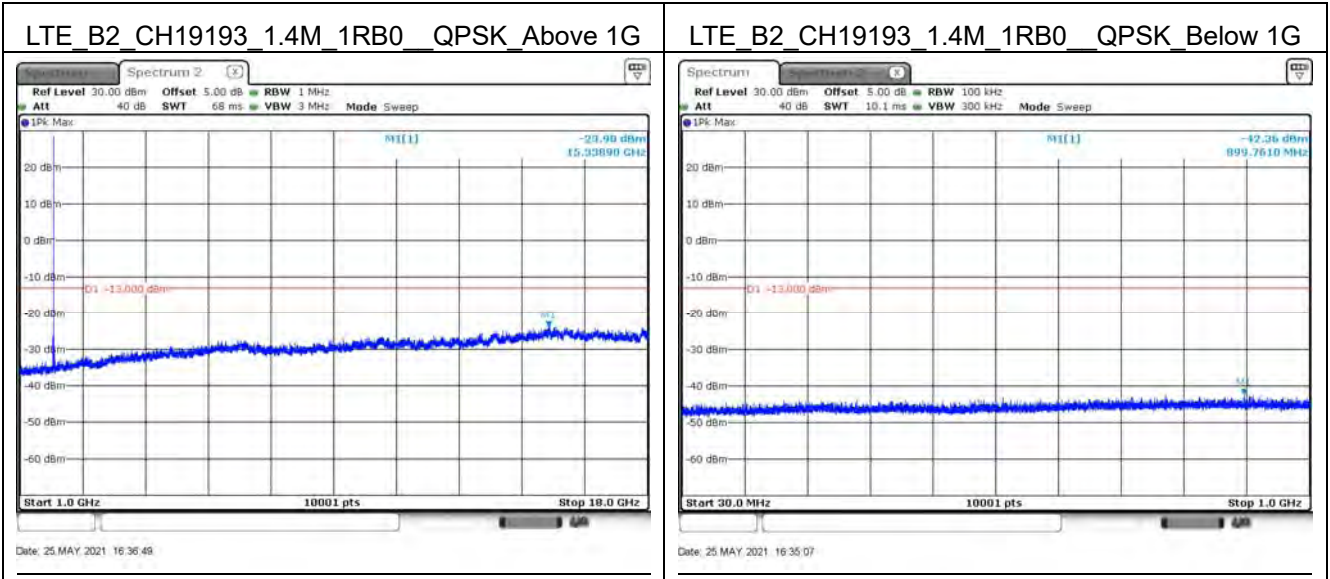
KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 5.8
ANSI C63.26: 2015 Sub-clause 5.5.3.2

6.4. Test Result

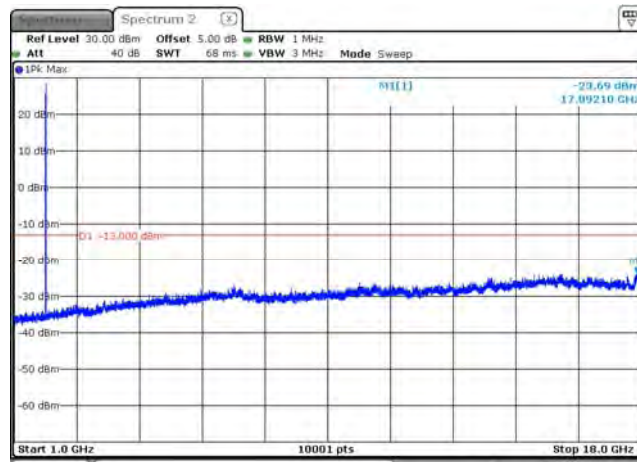
Conducted Spurious Emissions

| | | | |
|-----------------|------------------------|----------------|--------|
| Product Name | WCDMA/LTE Mobile Phone | | |
| Test Mode | Mode 1: LTE Band 2 | | |
| Date of Test | 2021/05/25 | Test Site | SR10-H |
| Temperature(°C) | 26.8 | Humidity (%RH) | 65 |



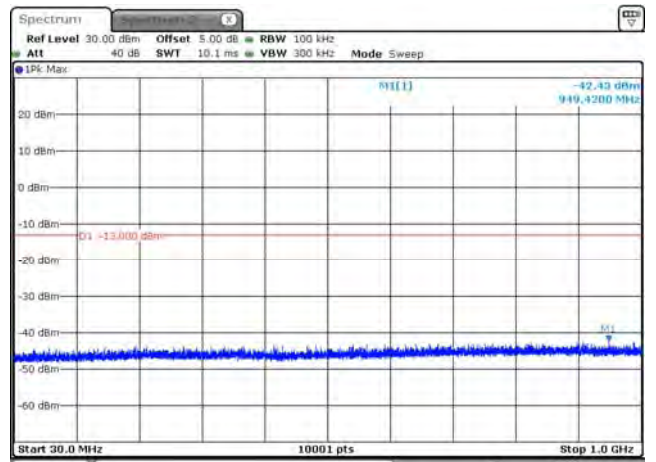


LTE_B2_CH18615_3M_1RB0_QPSK_Above 1G



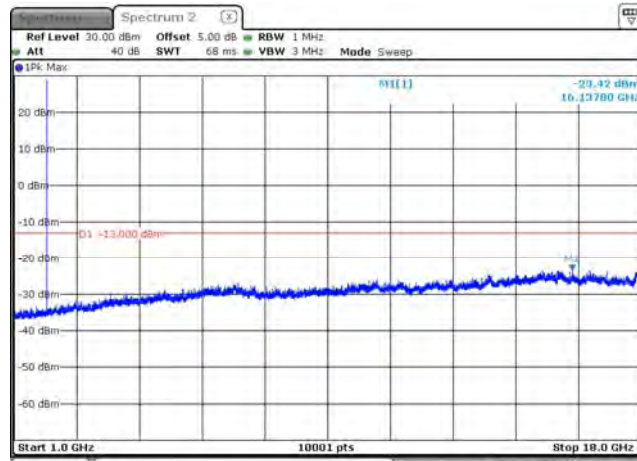
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LTE_B2_CH18615_3M_1RB0_QPSK_Below 1G



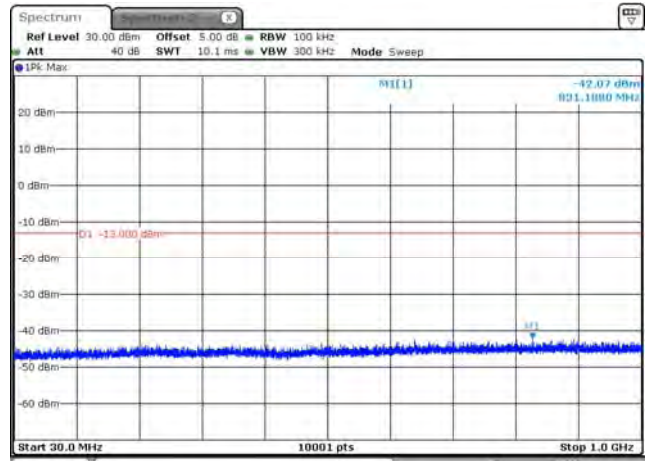
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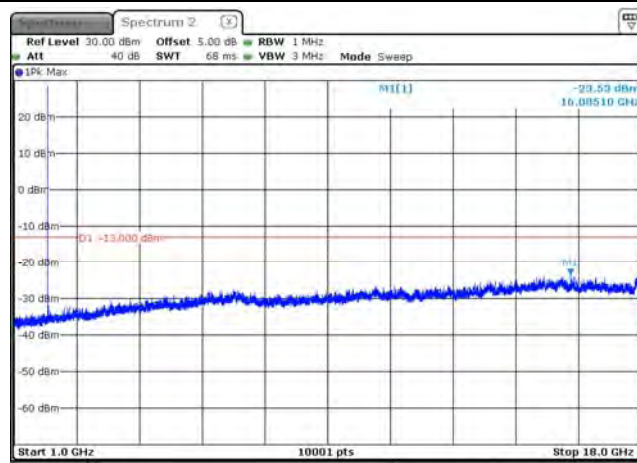
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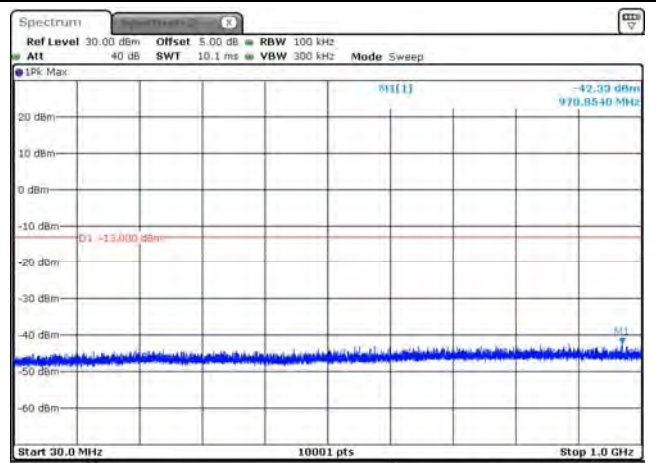
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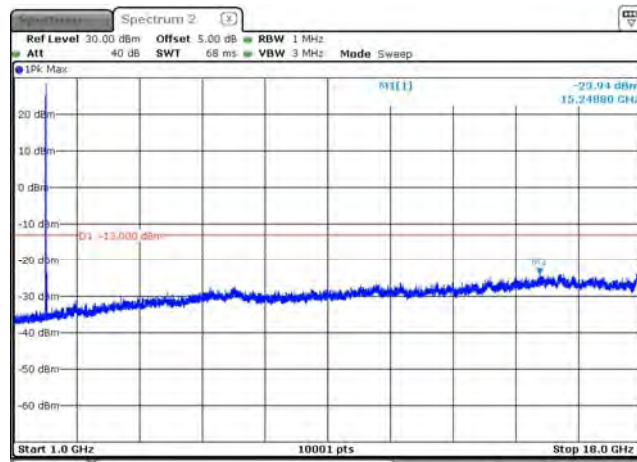
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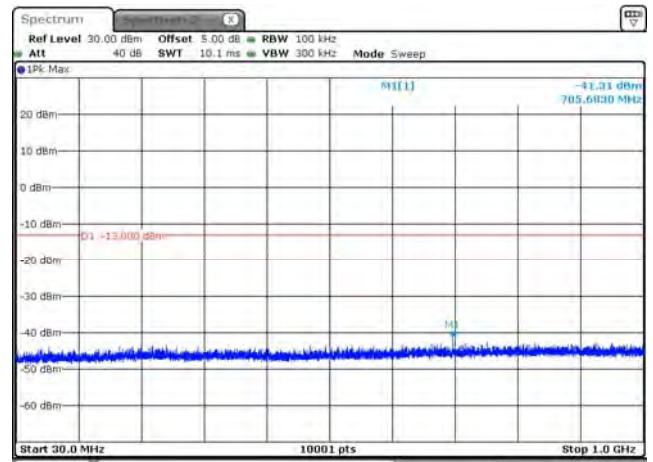
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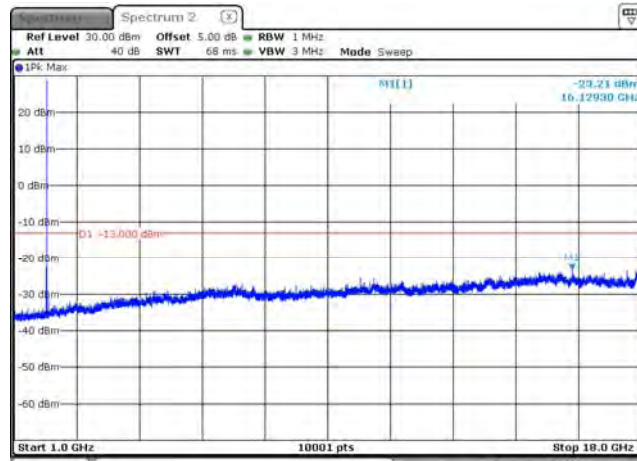
Date: 25 MAY 2021 16:48:37

LTE_B2_CH18625_5M_1RB0_QPSK_Below 1G



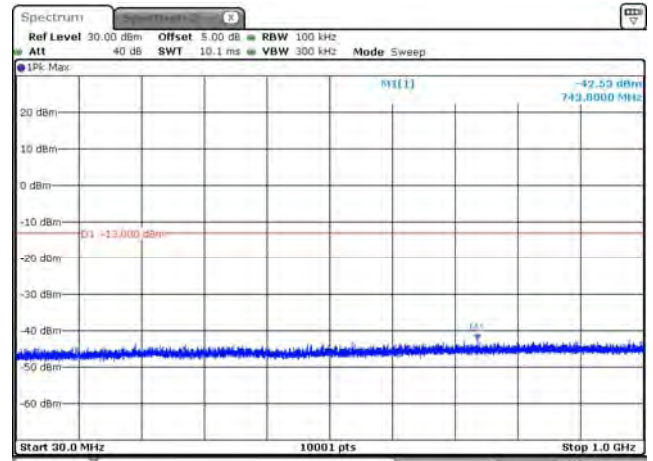
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LTE_B2_CH18900_5M_1RB0_QPSK_Above 1G



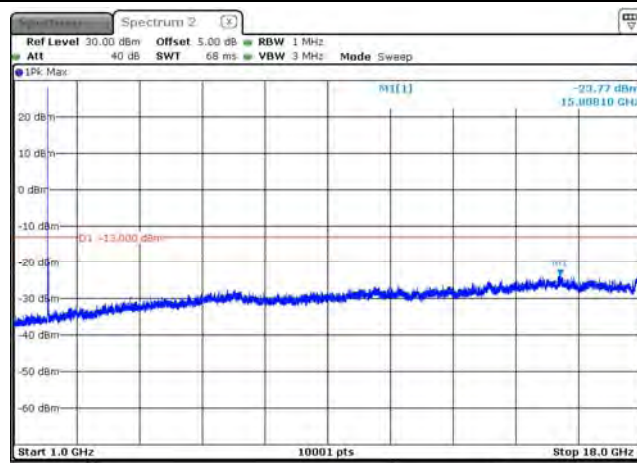
Date: 25 MAY 2021 16:50:59

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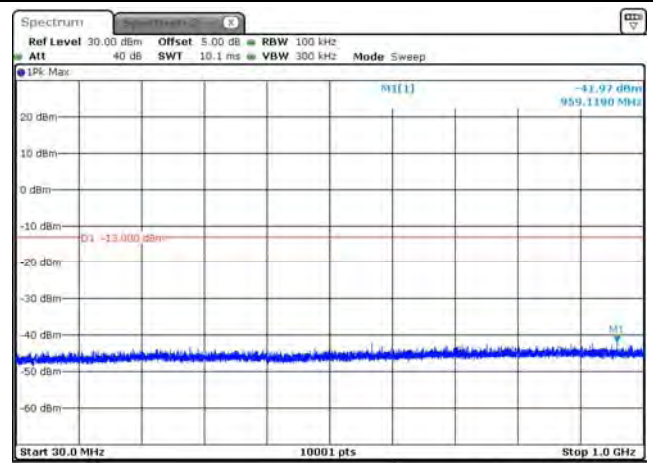
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LTE_B2_CH19175_5M_1RB0_QPSK_Above 1G

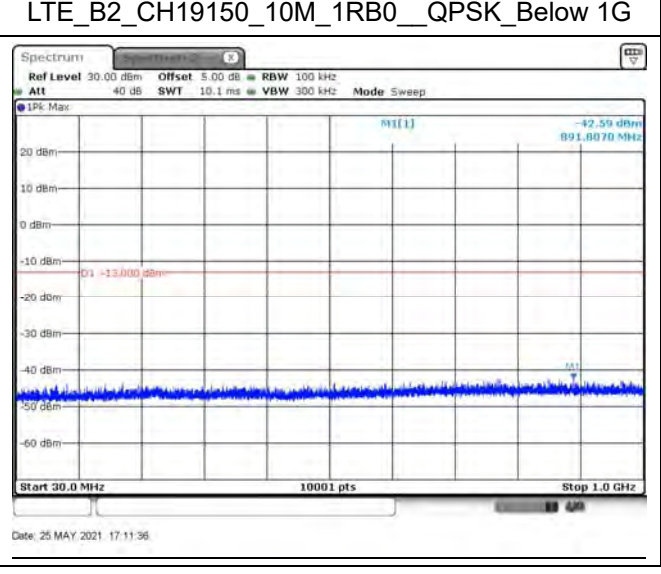
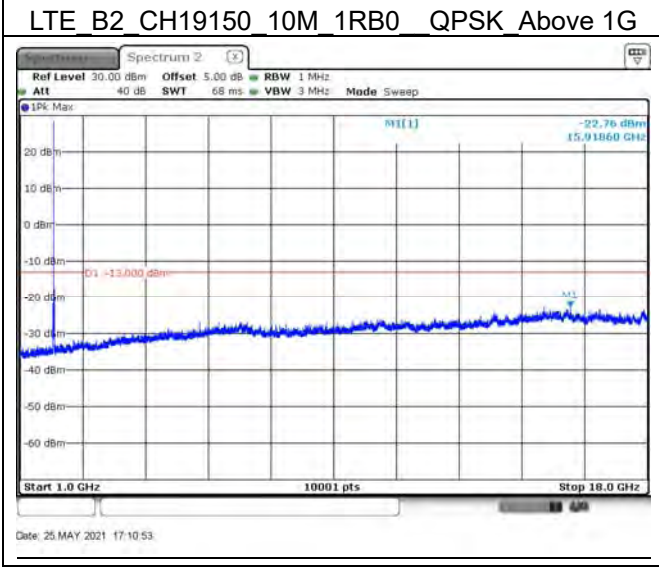
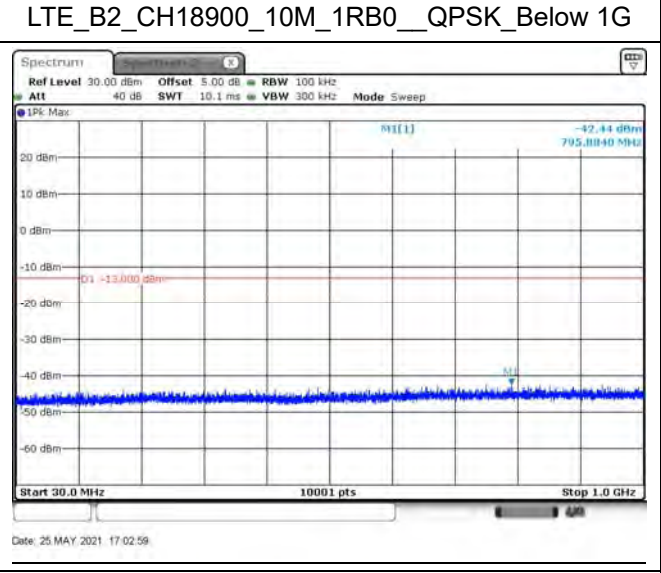
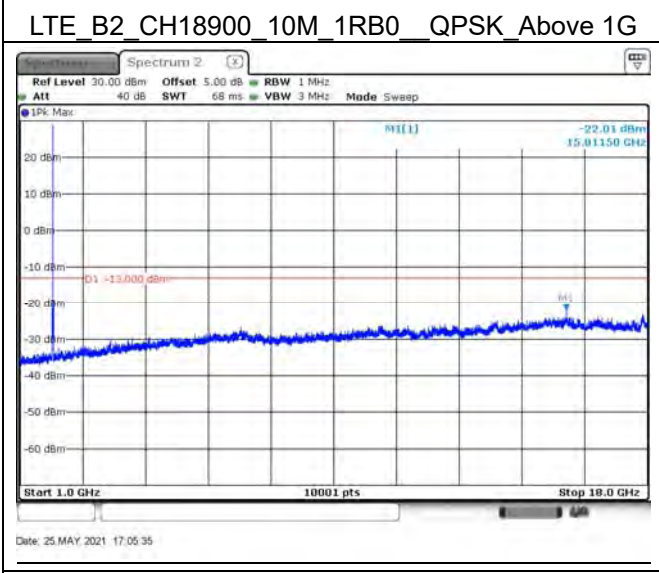
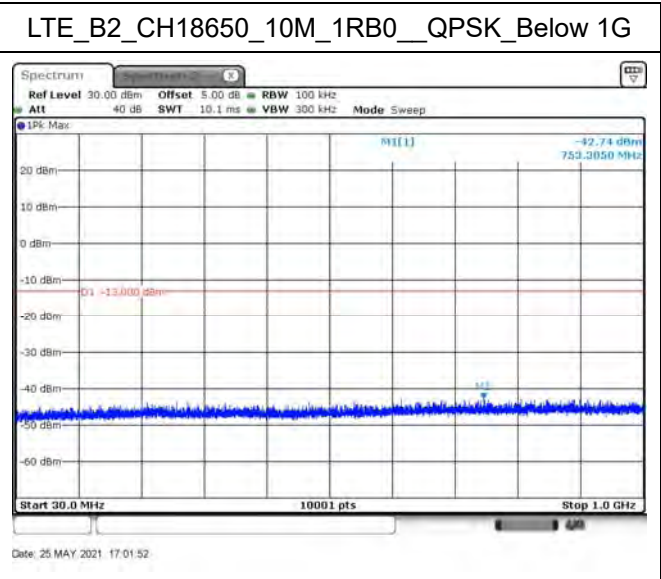
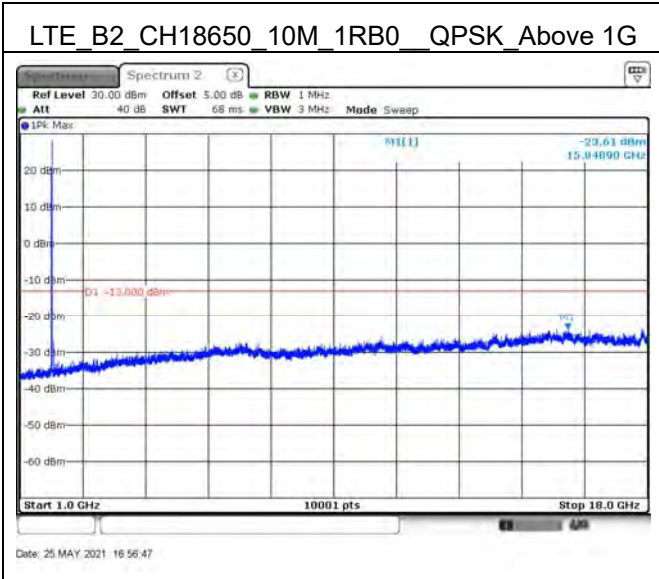


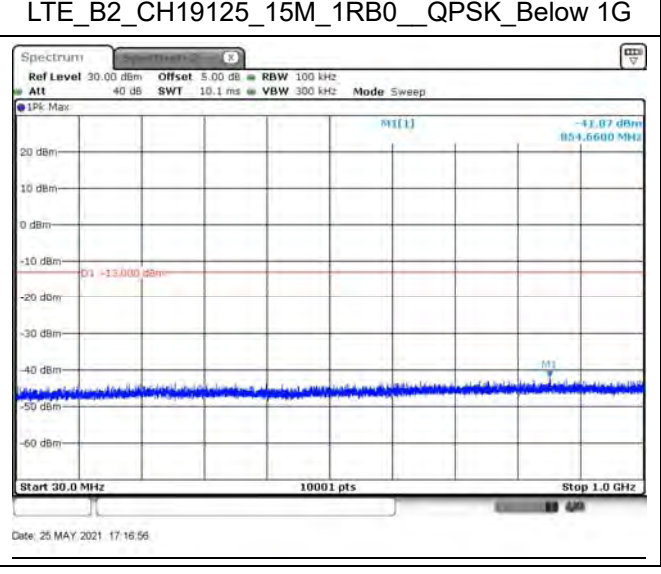
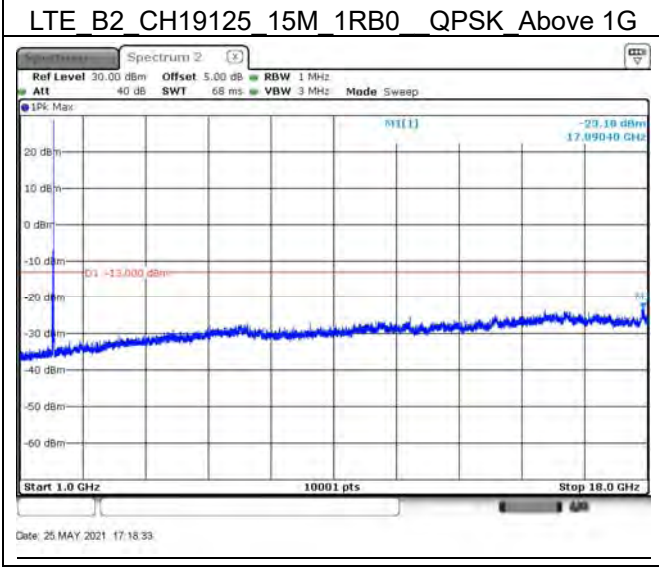
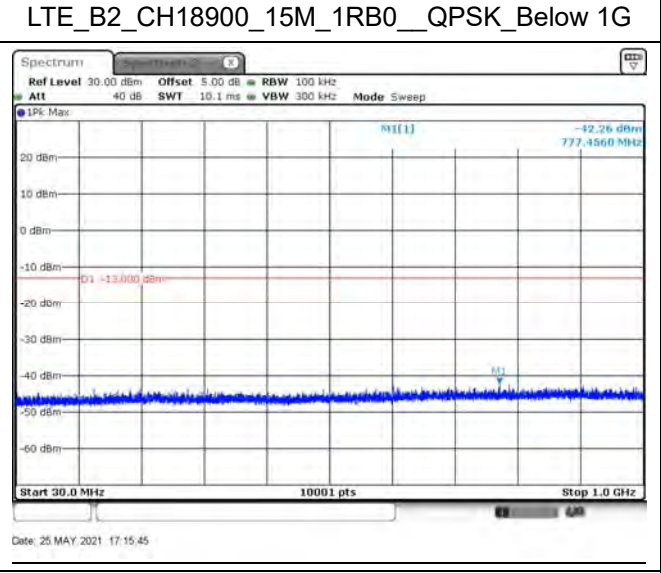
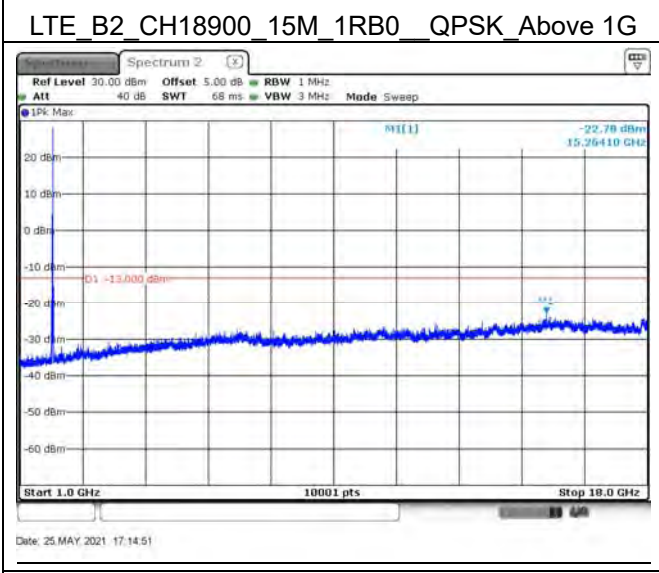
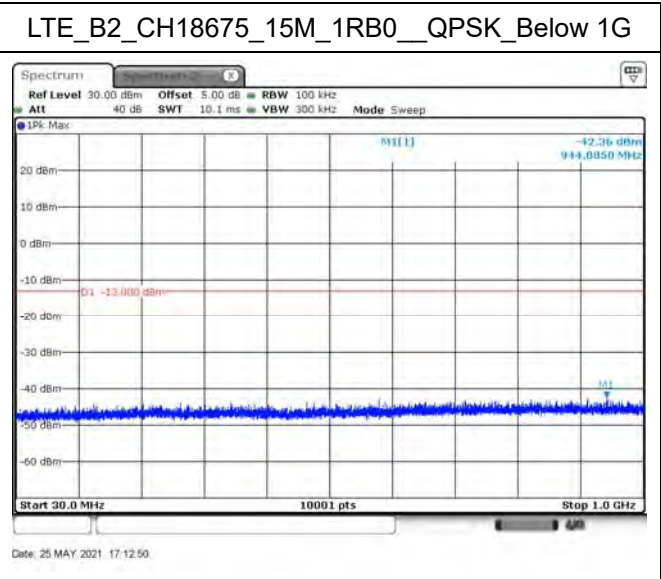
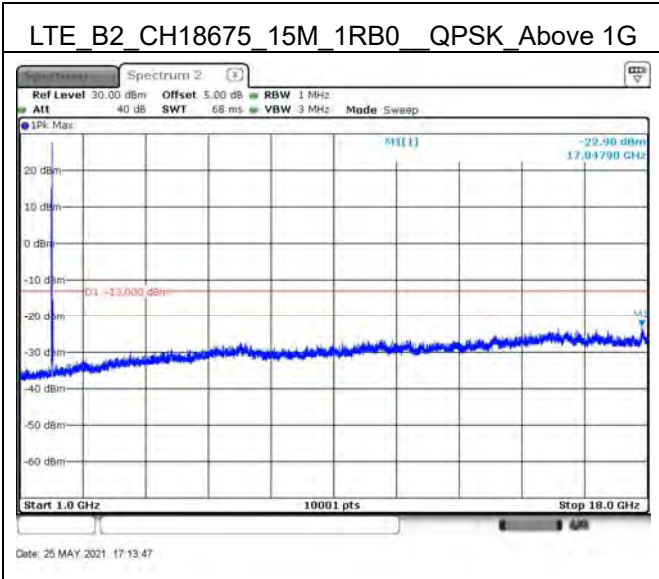
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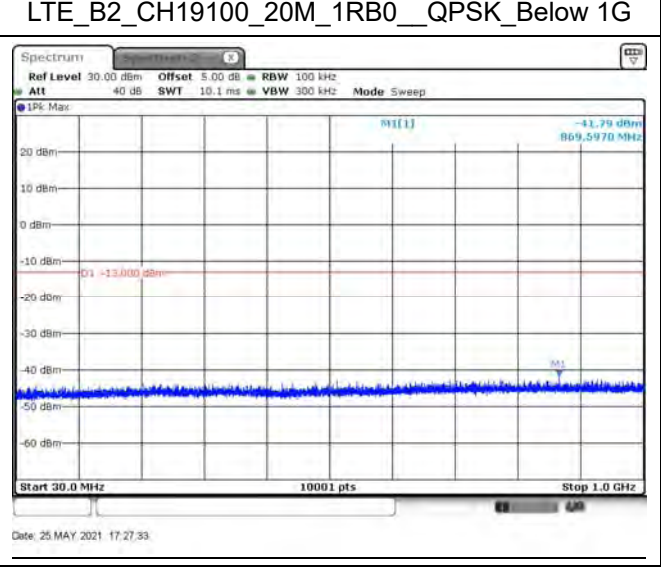
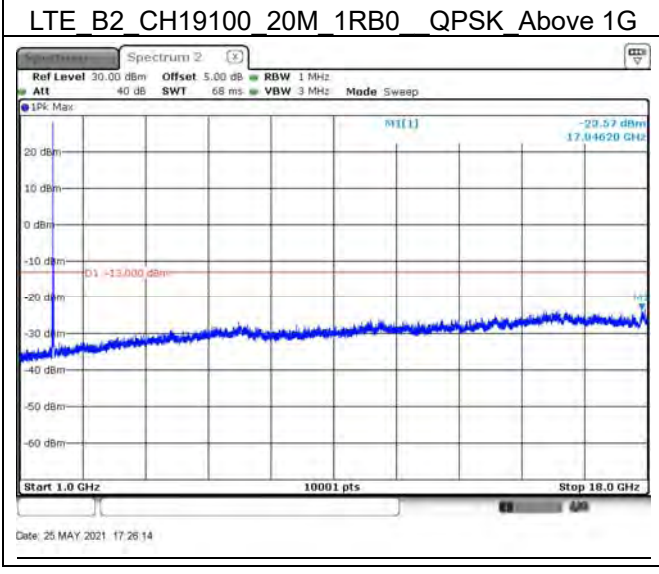
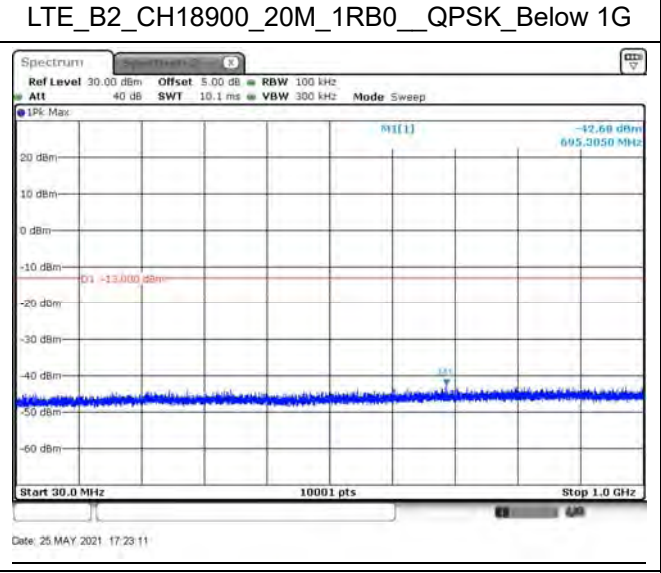
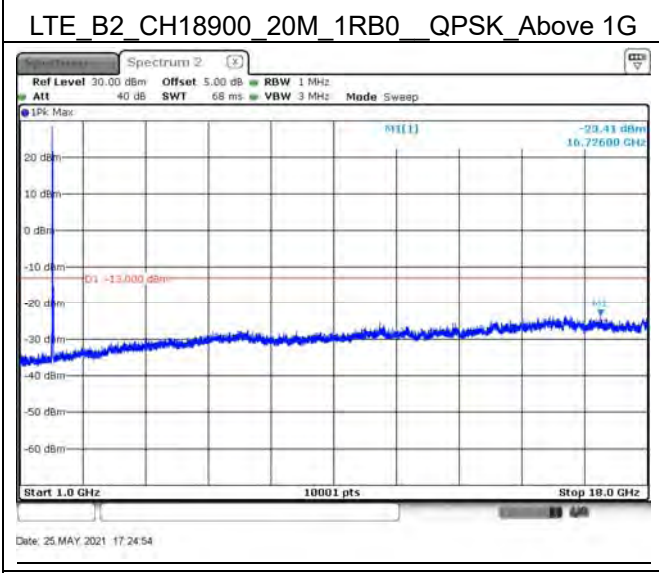
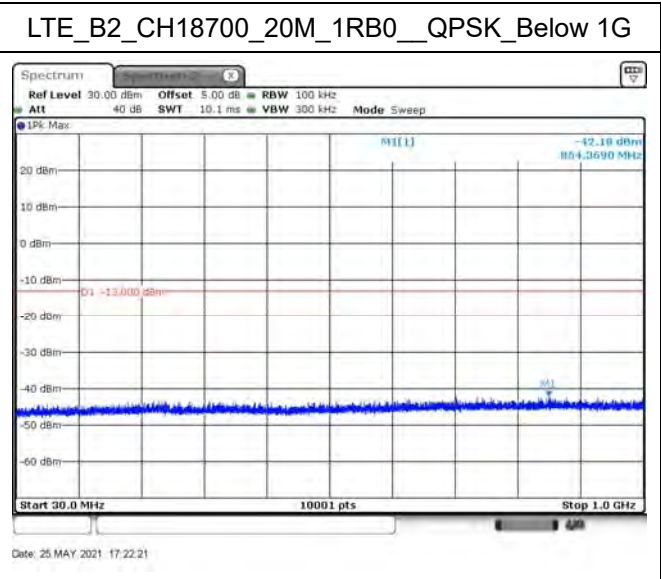
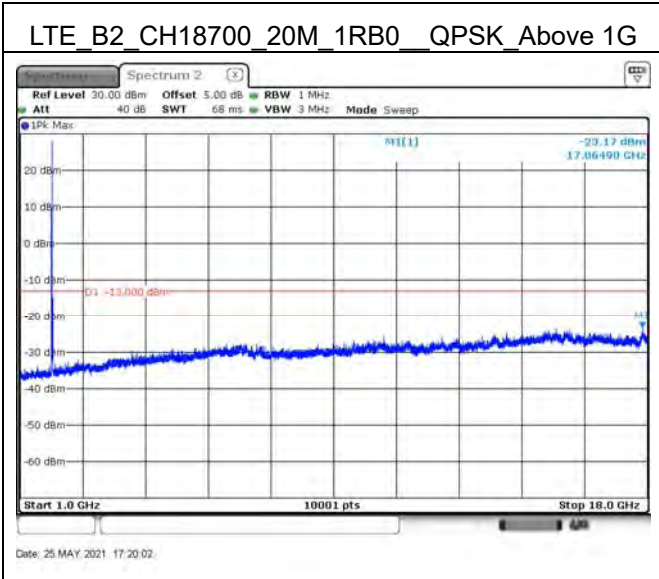
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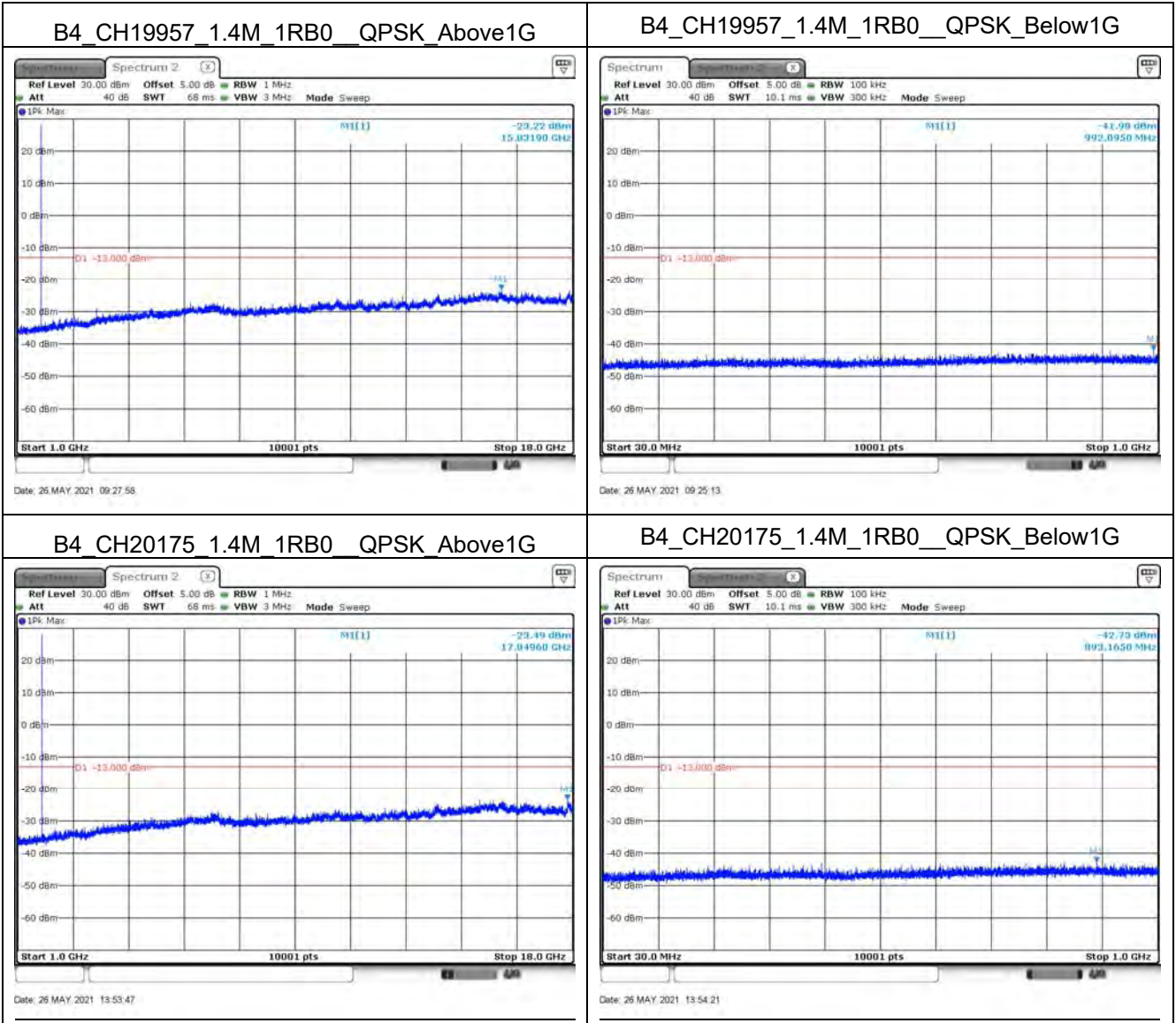
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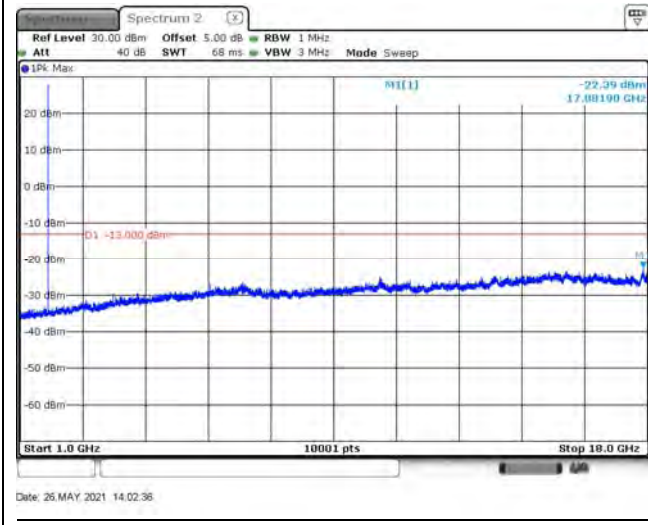




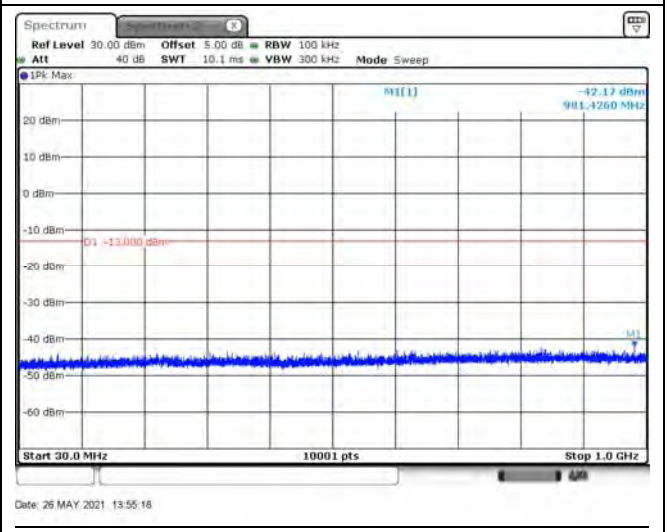
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|-----------------|------------------------|----------------|--------|
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| Test Mode | Mode 2: LTE Band 4 | | |
| Date of Test | 2021/05/26 | Test Site | SR10-H |
| Temperature(°C) | 26.1 | Humidity (%RH) | 68 |



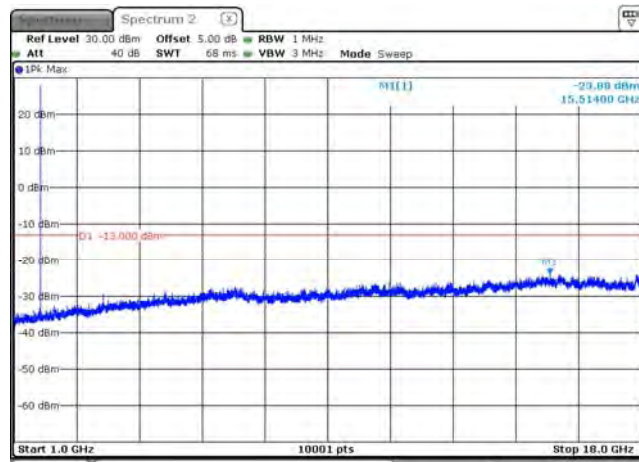
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B4_CH20393_1.4M_1RB0_QPSK_Below1G

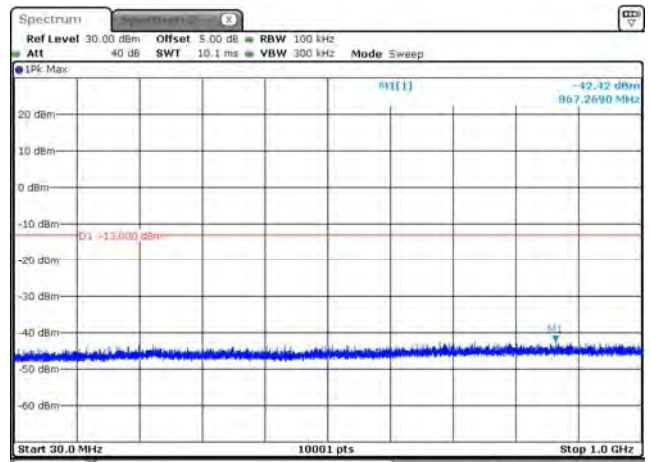


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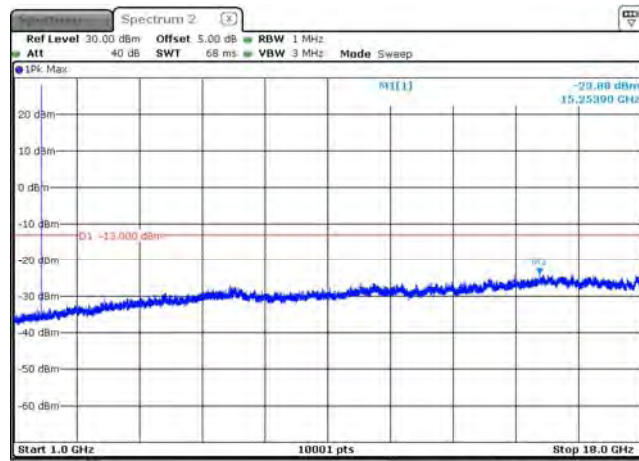
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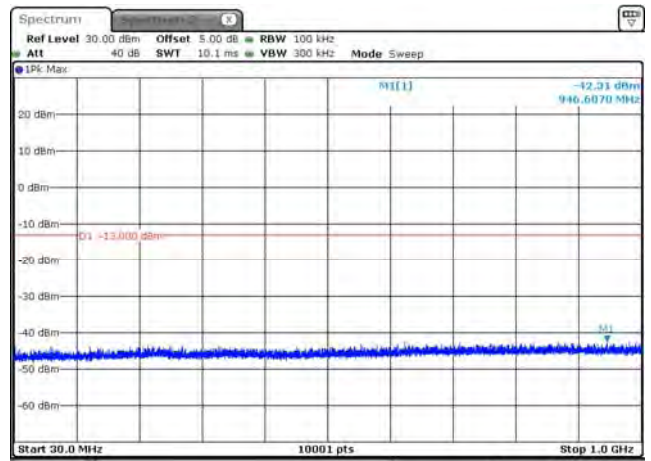
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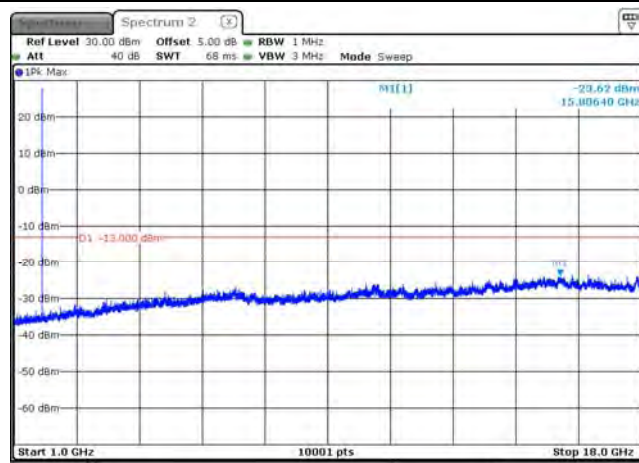
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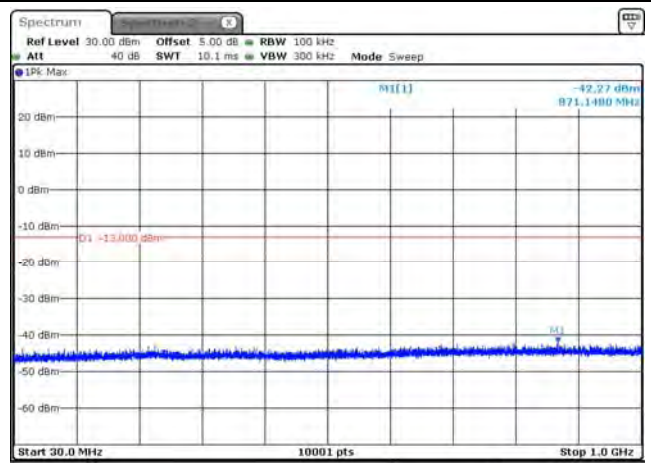
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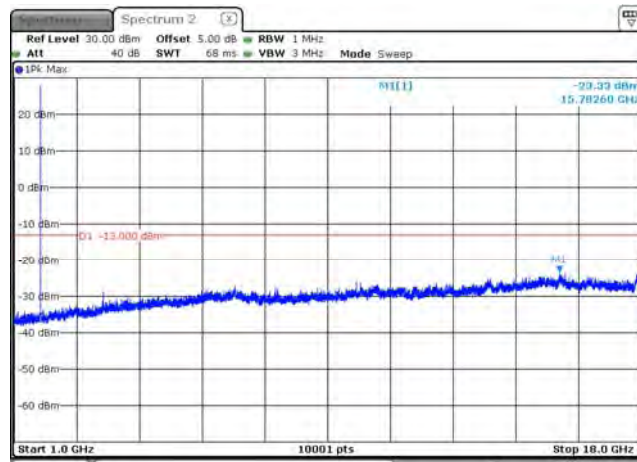
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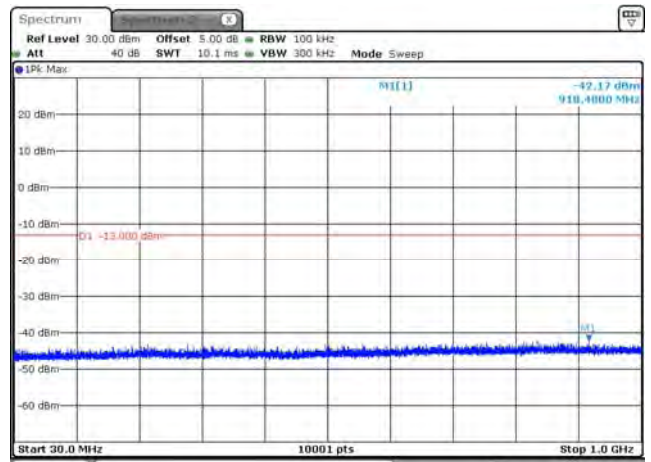
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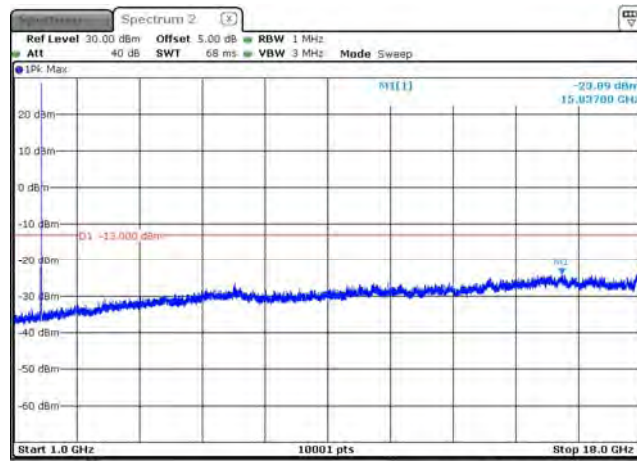
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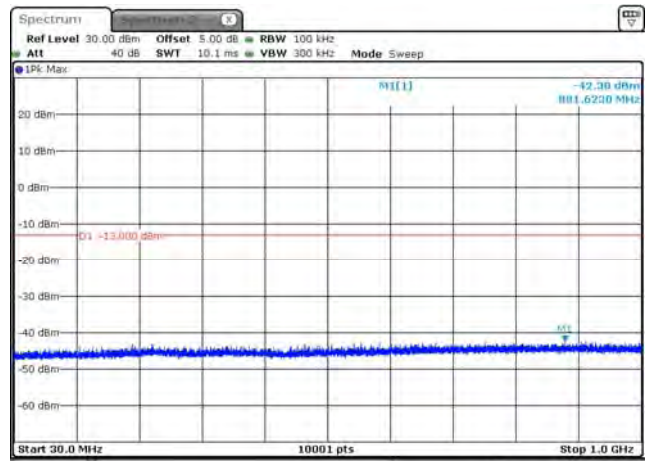
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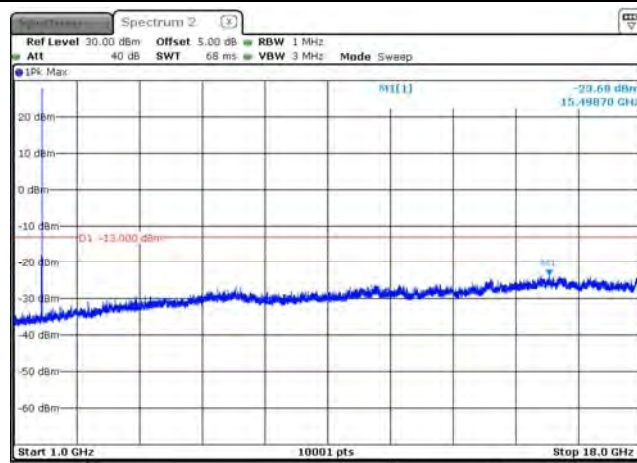
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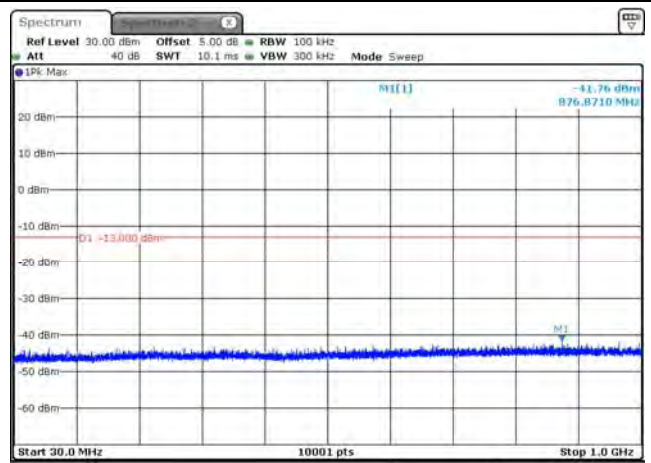
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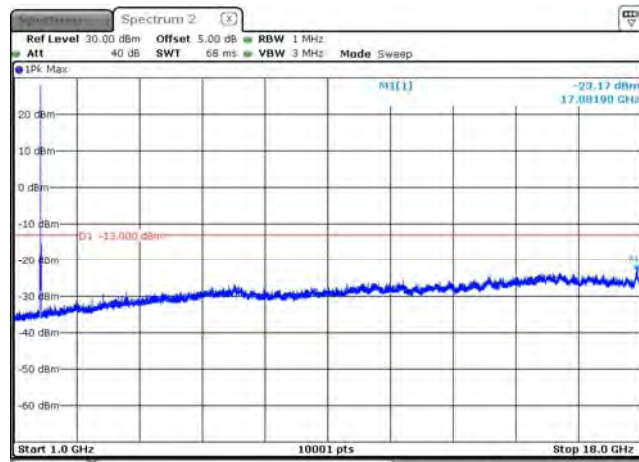
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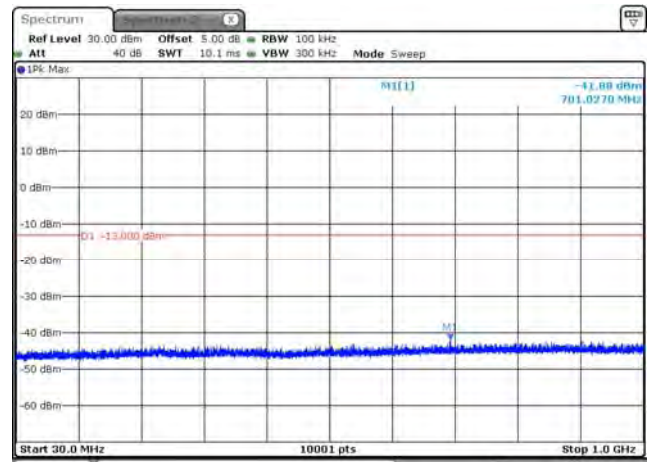
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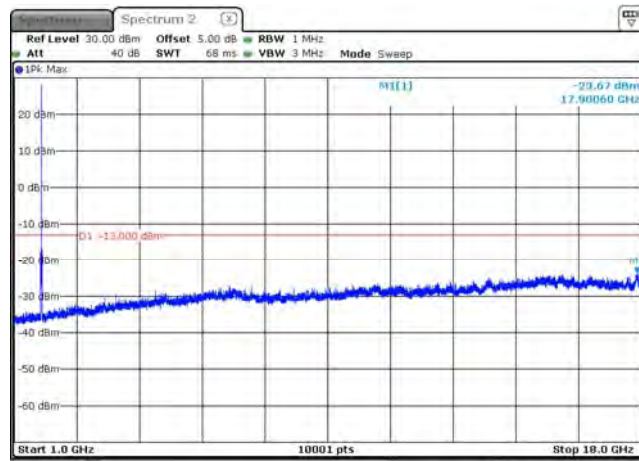
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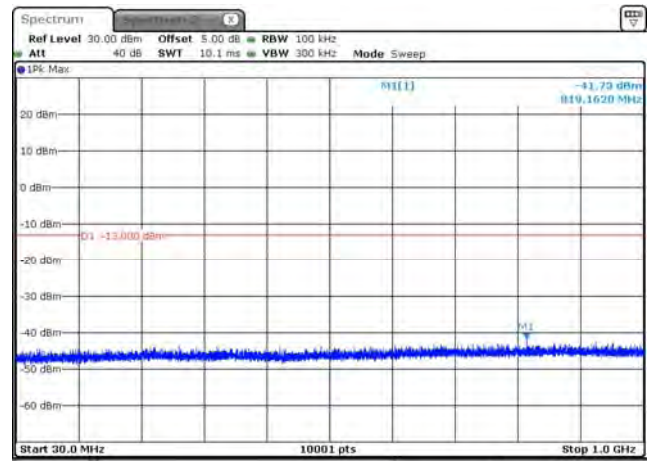
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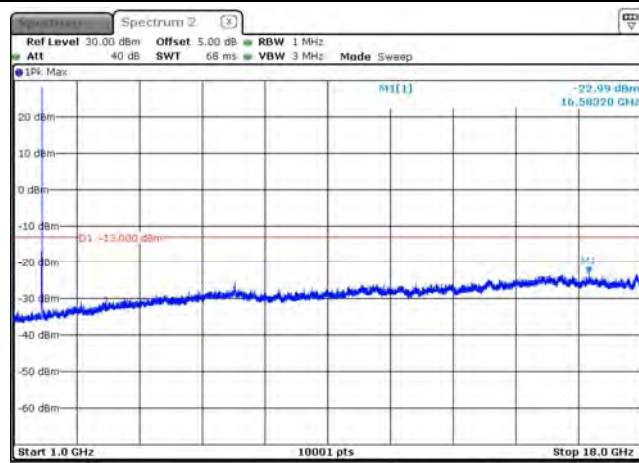
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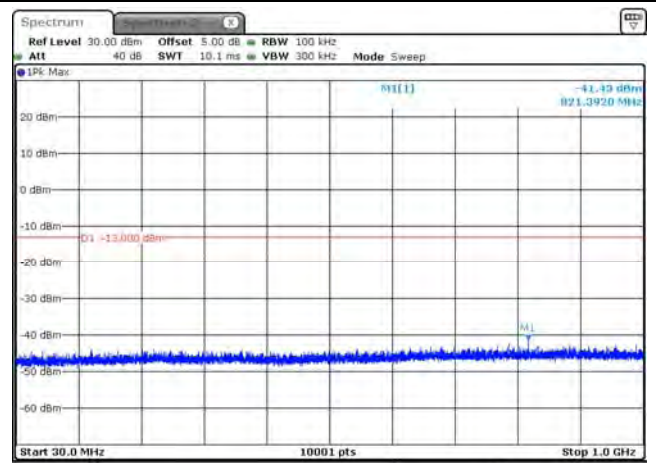
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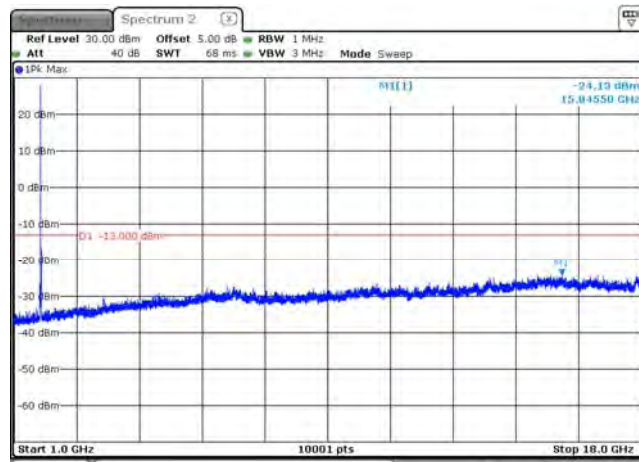
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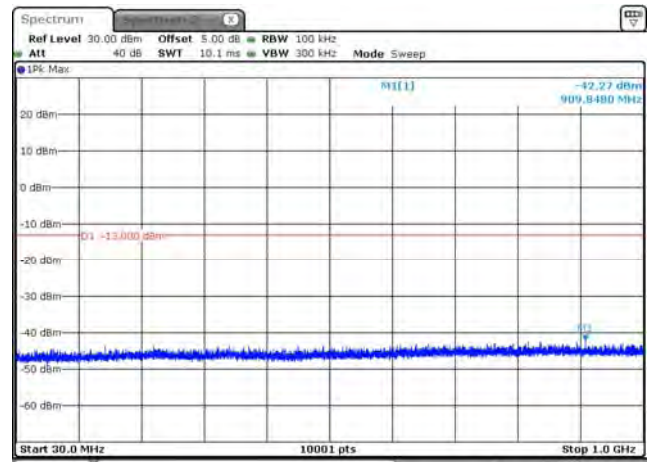
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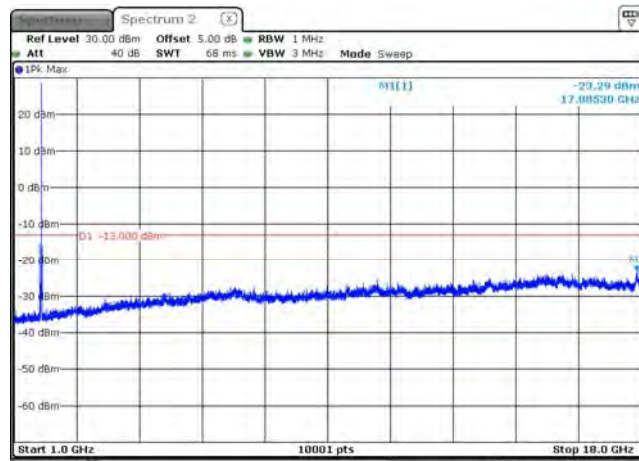
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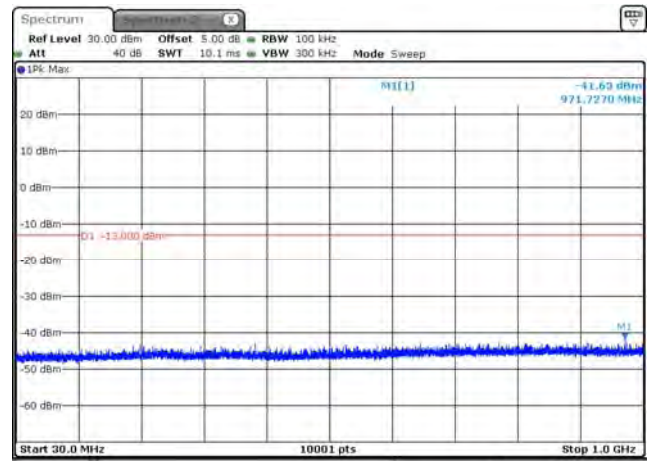
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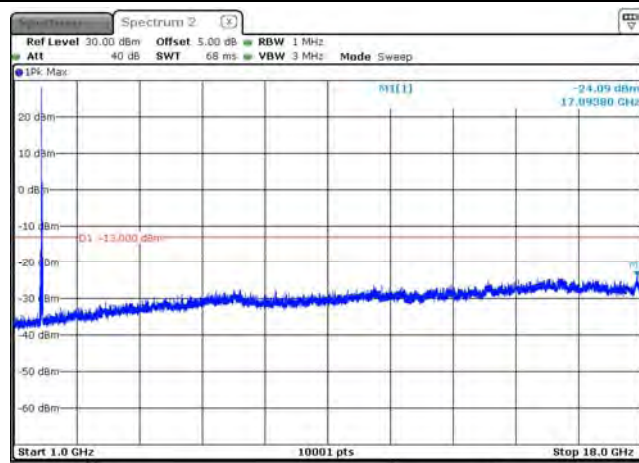
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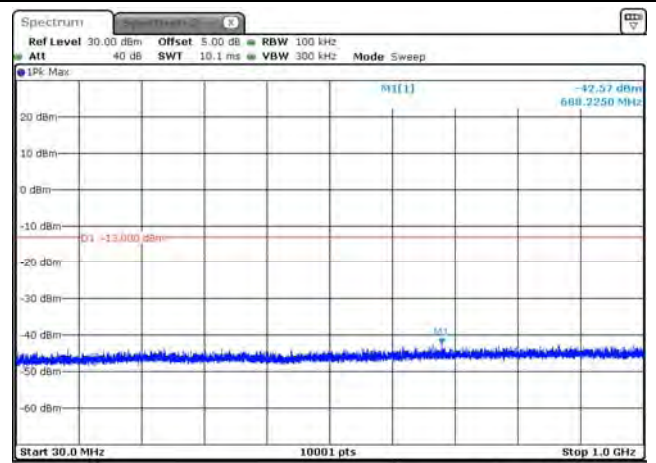
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Date: 26 MAY 2021 14:50:15

B4_CH20325_15M_1RB0_QPSK_Below 1G



Date: 26 MAY 2021 14:49:46