

TEST REPORT

Reference No...... : WTD21D11119033X1W001
FCC ID : 2AG328015GM11HPEUD
Applicant..... : Baicells Technologies Co., Ltd.
Address..... : 9-10F, 1st Bldg., No.81 Beiqing Road, Haidian District, Beijing, China
Manufacturer : Baicells Technologies Co., Ltd.
Address..... : 9-10F, 1st Bldg., No.81 Beiqing Road, Haidian District, Beijing, China
Product..... : LTE Outdoor CPE
Model(s) : EG8015G-M11-HP-EUD
Brand Name..... : **Baicells**
Standards..... : FCC CFR Title 47 Part 2
FCC CFR Title 47 Part 96
Date of Receipt sample : 2021-11-04
Date of Test : 2021-11-05 to 2021-11-10
Date of Issue..... : 2022-07-01
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

Waltek Testing Group Co., Ltd.

Address: No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China

Tel: +86-769-2267 6998

Fax: +86-769-2267 6828

Compiled by:

Approved by:

Ford Wang

Ford Wang / Project Engineer



Daniel Liu

Daniel Liu / Designated Reviewer

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3 Revision History

| Test report No. | Date of Receipt sample | Date of Test | Date of Issue | Purpose | Comment | Approved |
|--------------------------|------------------------|--------------------------------|---------------|----------|---------|----------|
| WTD21D11119 033X1W001 | 2021-11-04 | 2021-11-05 to 2021-11-10 | 2022-07-01 | original | - | Valid |

4 General Information

4.1 General Description of E.U.T.

| | |
|--------------------|--------------------|
| Product: | LTE Outdoor CPE |
| Model(s): | EG8015G-M11-HP-EUD |
| Model Description: | N/A |
| Storage Location: | Internal Storage |
| Device type: | End User Device |

4.2 Details of E.U.T.

| | |
|-----------------------|--|
| Operation Frequency: | LTE Band 48:3550MHz-3700MHz |
| Type of Modulation: | LTE: Uplink: QPSK, 16QAM, 64QAM;Downlink: QPSK, 16QAM, 64QAM |
| Antenna installation: | LTE: Internal antenna |
| Antenna Gain: | 18dBi |
| Ratings: | DC 24V 0.5A |

4.3 Channel List

Normal

| 10MHz | | 15MHz | |
|---------|-----------------|---------|-----------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low | 3555 | Low | 3557.5 |
| Middle | 3625 | Middle | 3625 |
| High | 3695 | High | 3692.5 |
| 20MHz | | | |
| Channel | Frequency (MHz) | | |
| Low | 3560 | | |
| Middle | 3625 | | |
| High | 3690 | | |

4.4 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests, the worst data were recorded and reported.

| Test Mode | Description |
|-------------------|---|
| Data Mode (QPSK) | Keep the EUT in data communicating mode (QPSK). (10MHz, 15MHz, 20MHz) |
| Data Mode (64QAM) | Keep the EUT in data communicating mode (64QAM). (10MHz, 15MHz, 20MHz) |

4.5 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

47 CFR FCC Part 96
 KDB 971168 D01 Power Meas License Digital Systems v03r01
 KDB 662911 D01 Multiple Transmitter Output v02r01
 KDB 940660 D01 Part 96 CBRS Eqpt v03
 ANSI/TIA/EIA-603-E 2016
 ANSI C63.26-2015

4.6 Test Facility

The test facility has a test site registered with the following organizations:

ISED CAB identifier: CN0013. Test Firm Registration No.: 7760A.

Waltek Testing Group Co., Ltd. Has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files. Registration number 7760A, October 15, 2016.

FCC Designation No.: CN1201. Test Firm Registration No.: 523476.

Waltek Testing Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration number 523476, September 10, 2019.

5 Test Summary

| Test Items | Available Channel (MHz) | Tested Channel (MHz) | Channel Bandwidth | Modulation |
|---|-------------------------|----------------------|-------------------|-------------|
| EIRP | 3555 to 3695 | 3555 to 3695 | 10MHz | QPSK, 64QAM |
| | 3557.5 to 3692.5 | 3557.5 to 3692.5 | 15MHz | QPSK, 64QAM |
| | 3560 to 3690 | 3560 to 3690 | 20MHz | QPSK, 64QAM |
| Frequency stability | 3555 to 3695 | 3625 | 10MHz | QPSK |
| | 3557.5 to 3692.5 | 3625 | 15MHz | QPSK |
| | 3560 to 3690 | 3625 | 20MHz | QPSK |
| Occupied Bandwidth | 3555 to 3695 | 3555, 3625, 3695 | 10MHz | QPSK, 64QAM |
| | 3557.5 to 3692.5 | 3557.5, 3625, 3692.5 | 15MHz | QPSK, 64QAM |
| | 3560 to 3690 | 3560, 3625, 3690 | 20MHz | QPSK, 64QAM |
| Peak to Average Ratio | 3555 to 3695 | 3555, 3625, 3695 | 10MHz | QPSK |
| | 3557.5 to 3692.5 | 3557.5, 3625, 3692.5 | 15MHz | QPSK |
| | 3560 to 3690 | 3560, 3625, 3690 | 20MHz | QPSK |
| Emission outside the fundamental | 3555 to 3695 | 3555, 3625, 3695 | 10MHz | QPSK |
| | 3557.5 to 3692.5 | 3557.5, 3625, 3692.5 | 15MHz | QPSK |
| | 3560 to 3690 | 3560, 3625, 3690 | 20MHz | QPSK |
| Out of band emission at antenna terminals | 3555 to 3695 | 3555, 3625, 3695 | 10MHz | QPSK |
| | 3557.5 to 3692.5 | 3557.5, 3625, 3692.5 | 15MHz | QPSK |
| | 3560 to 3690 | 3560, 3625, 3690 | 20MHz | QPSK |
| Field Strength of Spurious Radiation | 3555 to 3695 | 3555, 3625, 3695 | 10MHz | QPSK |
| | 3557.5 to 3692.5 | 3557.5, 3625, 3692.5 | 15MHz | QPSK |
| | 3560 to 3690 | 3560, 3625, 3690 | 20MHz | QPSK |

NOTE 1: All supported modulation types were evaluated. The Worst case of QPSK was selected. Therefore, the Frequency Stability, Peak to Average Ratio, Emission outside the fundamental, Out of band emission at antenna terminals and Field Strength of Spurious Radiation were presented under QPSK mode only.

NOTE 2: The duty cycle correction= $10 \log(1/\text{duty cycle})=10 \log(1/(1.999/5.0))=3.98(\text{dB})$

Offset factory=ATT loss+Cable loss+Duty cycle correction= $5.04+0.98+3.98=10(\text{dB})$

6 Equipment Used during Test

6.1 Equipments List

| 3m Semi-anechoic Chamber for Radiation Emissions Test site 1# | | | | | | |
|---|----------------------------|----------------------|-------------|------------|-----------------------|----------------------|
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Calibration Date | Calibration Due Date |
| 1 | Spectrum Analyzer | R&S | FSP30 | 100091 | 2021-04-20 | 2022-04-19 |
| 2 | Amplifier | Agilent | 8447D | 2944A10178 | 2021-04-20 | 2022-04-19 |
| 3 | Trilog Broadband Antenna | SCHWARZBECK | VULB9163 | 336 | 2021-08-22 | 2022-08-21 |
| 4 | Coaxial Cable (below 1GHz) | Top | TYPE16(13M) | - | 2021-04-20 | 2022-04-19 |
| 5 | Broad-band Horn Antenna | SCHWARZBECK | BBHA 9120 D | 667 | 2021-04-25 | 2022-04-24 |
| 6 | Broad-band Horn Antenna | SCHWARZBECK | BBHA 9170 | 335 | 2021-04-20 | 2022-04-19 |
| 7 | Broadband Preamplifier | COMPLIANCE DIRECTION | PAP-1G18 | 2004 | 2021-04-20 | 2022-04-19 |
| 8 | Coaxial Cable (above 1GHz) | ZT26-NJ-NJ-8M/FA | 1GHz-18GHz | NA | 2021-04-20 | 2022-04-19 |
| 3m Semi-anechoic Chamber for Radiation Emissions Test site 2# | | | | | | |
| Item | Equipment | Manufacturer | Model No. | Serial No | Last Calibration Date | Calibration Due Date |
| 1 | Test Receiver | R&S | ESCI | 101296 | 2021-04-20 | 2022-04-19 |
| 2 | Trilog Broadband Antenna | SCHWARZBECK | VULB9160 | 9160-3325 | 2021-04-25 | 2022-04-24 |
| 3 | Active Loop Antenna | Com-Power Corp. | AL-130R | 10160007 | 2021-05-06 | 2022-05-05 |
| 4 | Amplifier | ANRITSU | MH648A | M43381 | 2021-04-20 | 2022-04-19 |
| 5 | Cable | HUBER+SUHNER | CBL2 | 525178 | 2021-04-20 | 2022-04-19 |
| RF Conducted Testing | | | | | | |
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Calibration Date | Calibration Due Date |
| 1. | EMC Analyzer (9k~26.5GHz) | Agilent | E7405A | MY45114943 | 2021-04-20 | 2022-04-19 |
| 2. | Spectrum Analyzer | R&S | FSP30 | 100091 | 2021-04-20 | 2022-04-19 |
| 3. | EXA Signal Analyzer | Malaysia Keysight | N9010A | MY50520207 | 2021-04-20 | 2022-04-19 |

6.2 Measurement Uncertainty

| Parameter | Uncertainty |
|---|---|
| Conducted Emission | ± 3.64 dB(AC mains 150KHz~30MHz) |
| Radiated Spurious Emissions | ± 5.08 dB (Bilog antenna 30M~1000MHz) |
| | ± 5.47 dB (Horn antenna 1000M~25000MHz) |
| Radio Frequency | $\pm 1 \times 10^{-7}$ Hz |
| RF Power | ± 0.42 dB |
| RF Power Density | ± 0.7 dB |
| Conducted Spurious Emissions | ± 2.76 dB (9kHz~26500MHz) |
| Confidence interval: 95%. Confidence factor:k=2 | |

6.3 Test Equipment Calibration

All the test equipments used are valid and calibrated by CEPREI Certification Body that address is No.110 Dongguan Zhuang RD. Guangzhou, P.R.China.

7 Max EIRP and maximum spectral density

Test Requirement: FCC part96.41(b)
 Test Method: ANSI/TIA-603-E:2016, ANSI C63.26:2015
 Test Mode: Data communicating mode

Limit:

| Device | Maximum EIRP(dBm/10MHz) | Maximum PSD(dBm/MHz) |
|-----------------|-------------------------|----------------------|
| End User Device | 23 | n/a |
| Category A CBSD | 30 | 20 |
| Category B CBSD | 47 | 37 |

7.1 EUT Operation

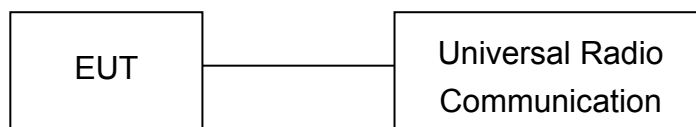
Operating Environment :

Temperature: 22.4 °C
 Humidity: 52.2 % RH
 Atmospheric Pressure: 101.3kPa

7.2 Test Procedure

Conducted method for 10M&15M&20M bandwidth:

The RF output of the transmitter was connected to the wireless test set and the spectrum analyzer through sufficient attenuation.



For Maximum EIRP

1. Connect the transmitter to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
2. Set span to 2 × to 3 × the OBW.
3. Set RBW = 1% to 5% of the OBW.
4. Set VBW ≥ 3 × RBW.
5. Set number of measurement points in sweep ≥ 2 × span / RBW.
6. Sweep time:
 - 1) Set = auto-couple, or
 - 2) Set ≥ [10 × (number of points in sweep) × (transmission symbol period)] for single sweep (automation-compatible) measurement.
7. Detector = power averaging (rms).
8. Set sweep trigger to “free run.”
9. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.
10. Compute power by integrating the spectrum across the OBW(10MHz) of the signal using the instrument's band or channel power measurement function with band/channel limits set equal to the OBW(10MHz) band edges.
11. Add 10 log (1/duty cycle) to the measured power level to compute the average power during continuous transmission.
12. EIRP = P_{Meas} + GT.
 P_{Meas} measured transmitter output power
 GT gain of the transmitting antenna.

Waltek Testing Group Co., Ltd.

<http://www.waltek.com.cn>

7.3 Test Result

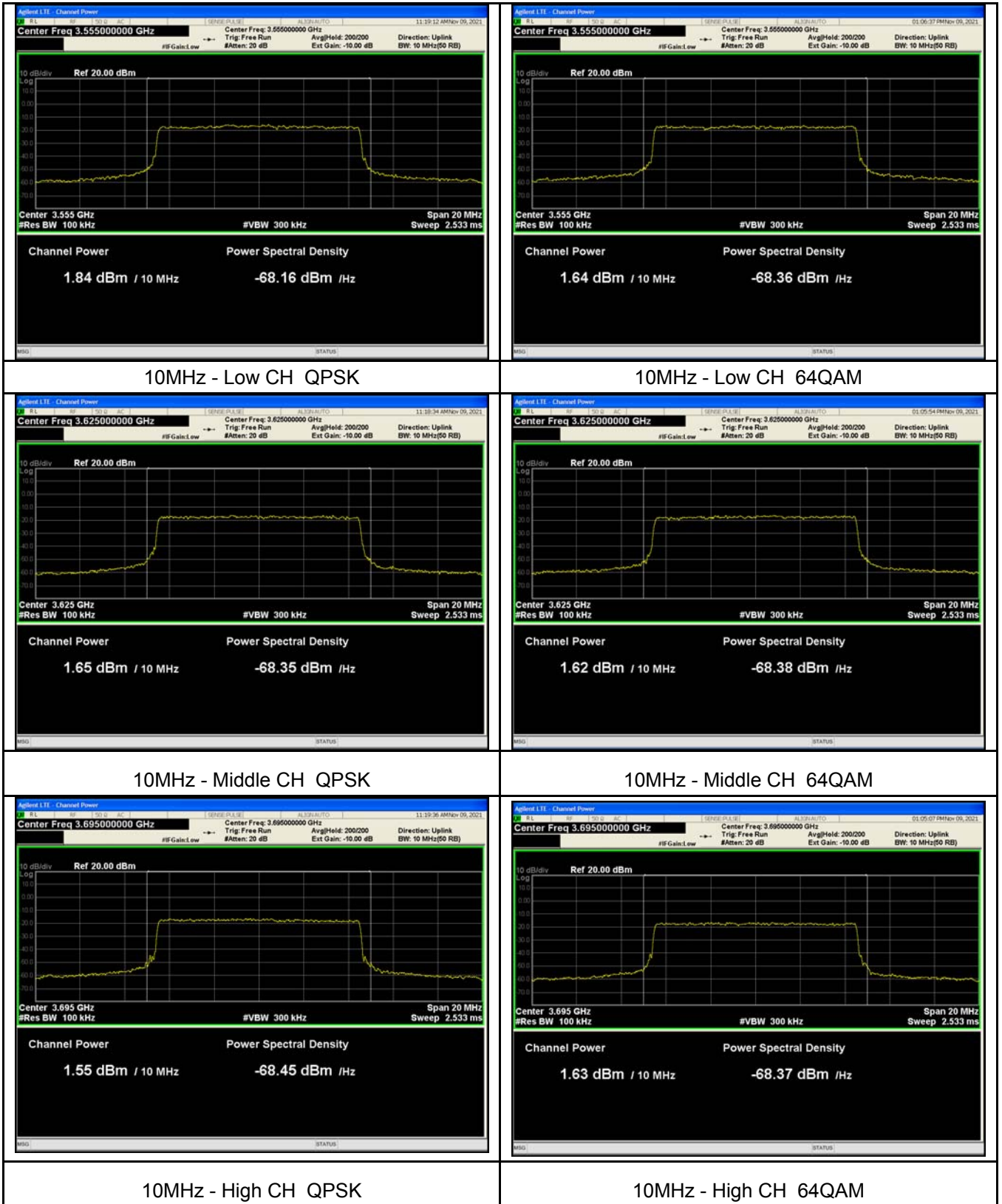
| Transmit Output Power | | | | | | | | |
|-----------------------|------------|--------------|----------------------------------|----------------------------------|-------------------------|--------------------|------------------|------------------------|
| Bandwidth (MHz) | Modulation | Test Channel | Chain 0 Output Power (dBm/10MHz) | Chain 1 Output Power (dBm/10MHz) | Total Power (dBm/10MHz) | Antenna Gain (dBi) | EIRP (dBm/10MHz) | EIRP Limit (dBm/10MHz) |
| 10 | QPSK | Low | 1.84 | 1.66 | 4.76 | 18.00 | 22.76 | 23 |
| | | Middle | 1.65 | 1.82 | 4.75 | 18.00 | 22.75 | |
| | | High | 1.55 | 1.74 | 4.66 | 18.00 | 22.66 | |
| | 64QAM | Low | 1.64 | 1.65 | 4.66 | 18.00 | 22.66 | |
| | | Middle | 1.62 | 1.60 | 4.62 | 18.00 | 22.62 | |
| | | High | 1.63 | 1.52 | 4.59 | 18.00 | 22.59 | |

| Transmit Output Power | | | | | | | | |
|-----------------------|------------|--------------|----------------------------------|----------------------------------|-------------------------|--------------------|------------------|------------------------|
| Bandwidth (MHz) | Modulation | Test Channel | Chain 0 Output Power (dBm/10MHz) | Chain 1 Output Power (dBm/10MHz) | Total Power (dBm/10MHz) | Antenna Gain (dBi) | EIRP (dBm/10MHz) | EIRP Limit (dBm/10MHz) |
| 15 | QPSK | Low | 0.54 | 0.16 | 3.36 | 18.00 | 21.36 | 23 |
| | | Middle | 0.18 | 0.54 | 3.37 | 18.00 | 21.37 | |
| | | High | 0.67 | 0.09 | 3.40 | 18.00 | 21.40 | |
| | 64QAM | Low | 0.02 | 0.12 | 3.08 | 18.00 | 21.08 | |
| | | Middle | 0.89 | 0.35 | 3.64 | 18.00 | 21.64 | |
| | | High | 0.48 | 0.53 | 3.52 | 18.00 | 21.52 | |

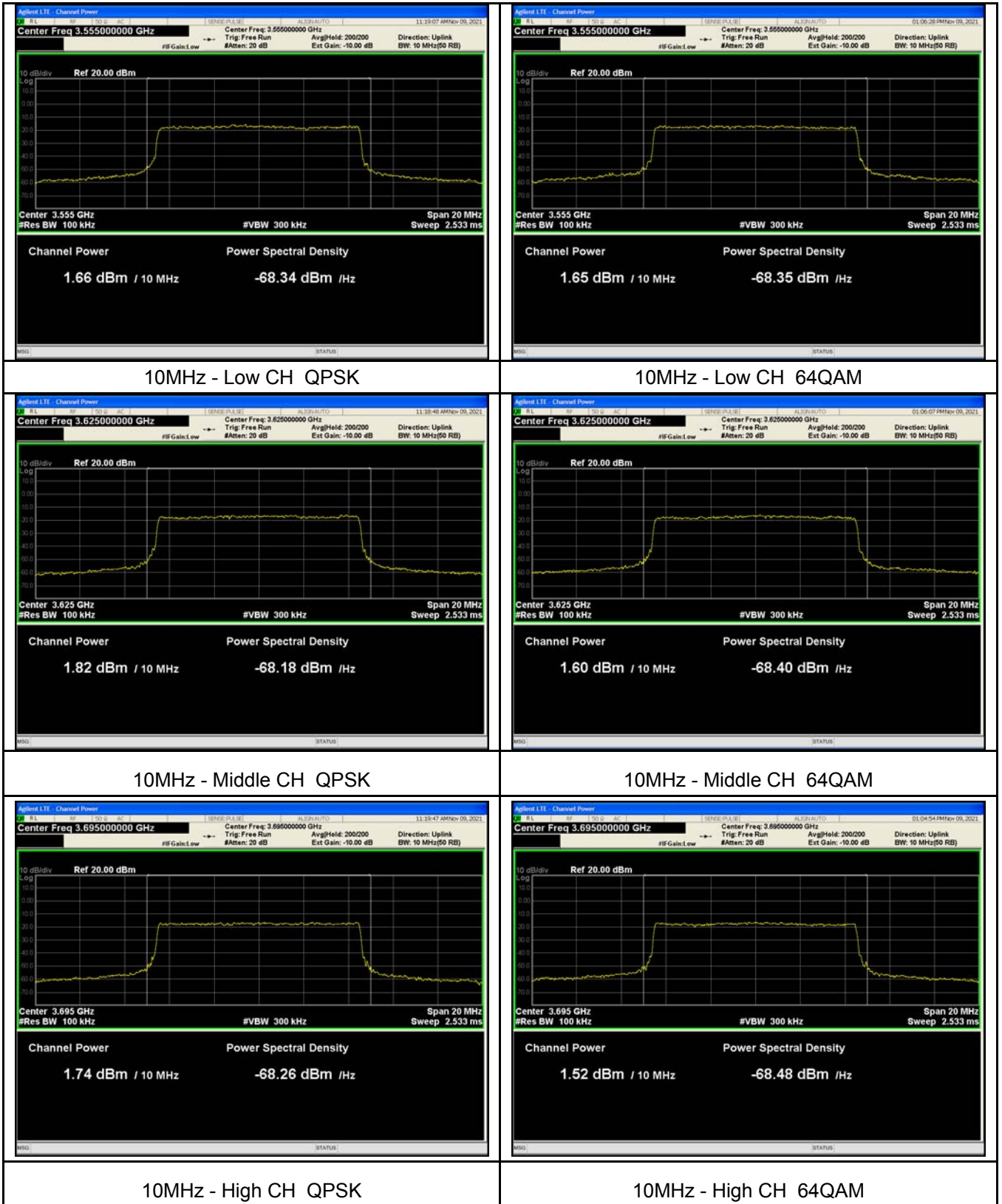
| Full Transmit Output Power | | | | | | | | |
|----------------------------|------------|--------------|----------------------------------|----------------------------------|-------------------------|--------------------|------------------|------------------------|
| Bandwidth (MHz) | Modulation | Test Channel | Chain 0 Output Power (dBm/15MHz) | Chain 1 Output Power (dBm/15MHz) | Total Power (dBm/15MHz) | Antenna Gain (dBi) | EIRP (dBm/15MHz) | EIRP Limit (dBm/15MHz) |
| 15 | QPSK | Low | 1.28 | 1.38 | 4.34 | 18.00 | 22.34 | - |
| | | Middle | 1.74 | 1.62 | 4.69 | 18.00 | 22.69 | |
| | | High | 1.59 | 1.63 | 4.62 | 18.00 | 22.62 | |
| | 64QAM | Low | 1.74 | 1.61 | 4.69 | 18.00 | 22.69 | |
| | | Middle | 1.83 | 1.86 | 4.86 | 18.00 | 22.86 | |
| | | High | 1.60 | 1.35 | 4.49 | 18.00 | 22.49 | |

| Transmit Output Power | | | | | | | | |
|----------------------------|------------|--------------|----------------------------------|----------------------------------|-------------------------|--------------------|------------------|------------------------|
| Bandwidth (MHz) | Modulation | Test Channel | Chain 0 Output Power (dBm/10MHz) | Chain 1 Output Power (dBm/10MHz) | Total Power (dBm/10MHz) | Antenna Gain (dBi) | EIRP (dBm/10MHz) | EIRP Limit (dBm/10MHz) |
| 20 | QPSK | Low | 0.32 | 0.28 | 3.31 | 18.00 | 21.31 | 23 |
| | | Middle | 0.22 | 0.13 | 3.19 | 18.00 | 21.19 | |
| | | High | 0.63 | 0.47 | 3.56 | 18.00 | 21.56 | |
| | 64QAM | Low | 0.77 | 0.74 | 3.77 | 18.00 | 21.77 | |
| | | Middle | 0.52 | 0.89 | 3.72 | 18.00 | 21.72 | |
| | | High | 0.15 | 0.34 | 3.26 | 18.00 | 21.26 | |
| Full Transmit Output Power | | | | | | | | |
| Bandwidth (MHz) | Modulation | Test Channel | Chain 0 Output Power (dBm/20MHz) | Chain 1 Output Power (dBm/20MHz) | Total Power (dBm/20MHz) | Antenna Gain (dBi) | EIRP (dBm/20MHz) | EIRP Limit (dBm/20MHz) |
| 20 | QPSK | Low | 1.41 | 1.78 | 4.61 | 18.00 | 22.61 | - |
| | | Middle | 1.39 | 1.58 | 4.50 | 18.00 | 22.50 | |
| | | High | 1.49 | 1.52 | 4.52 | 18.00 | 22.52 | |
| | 64QAM | Low | 1.70 | 1.61 | 4.67 | 18.00 | 22.67 | |
| | | Middle | 1.92 | 1.43 | 4.69 | 18.00 | 22.69 | |
| | | High | 1.46 | 1.89 | 4.69 | 18.00 | 22.69 | |

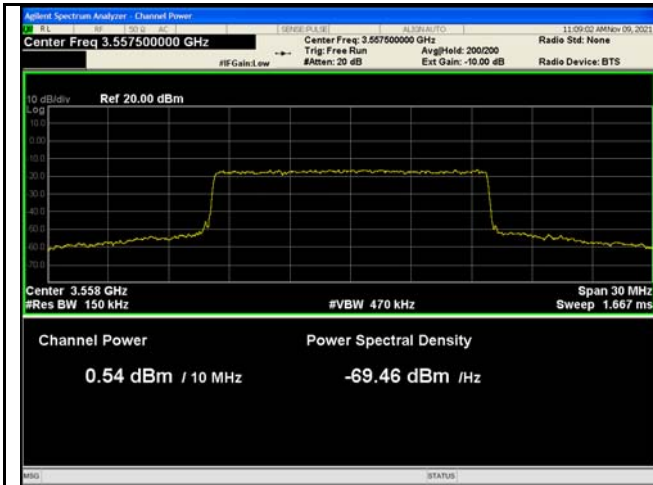
**Transmit Output Power Test Plots
Chain 0**



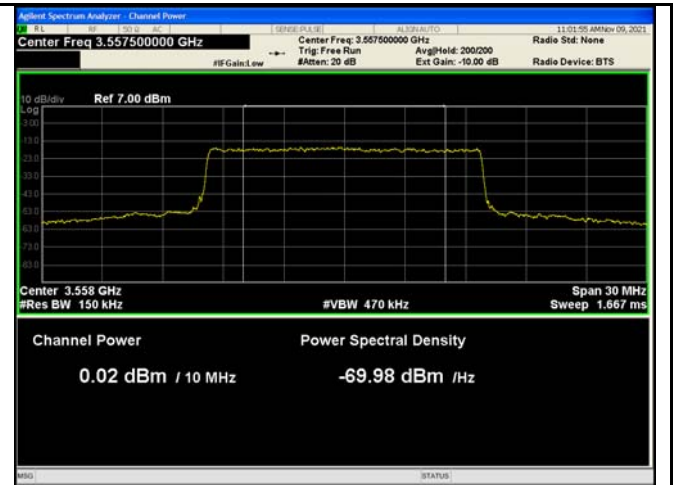
Chain 1



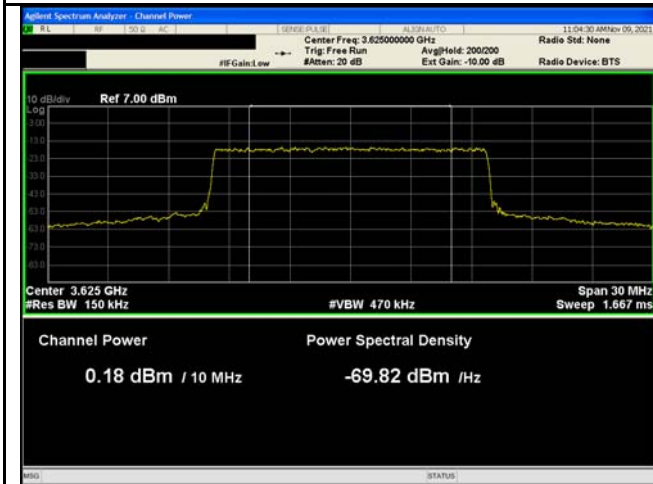
Chain 0



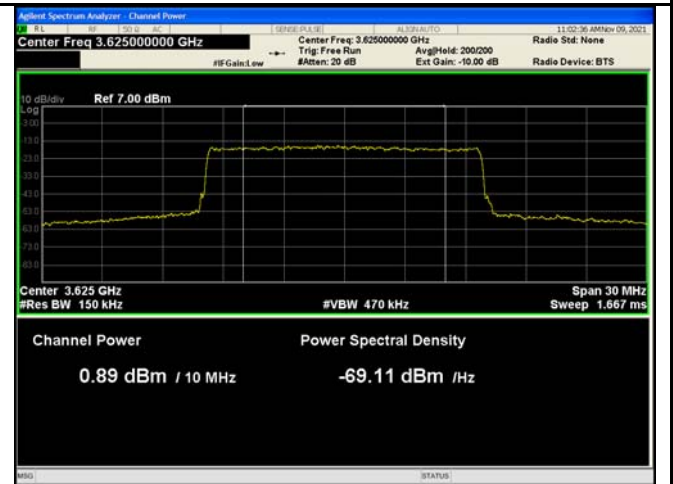
15MHz - Low CH QPSK



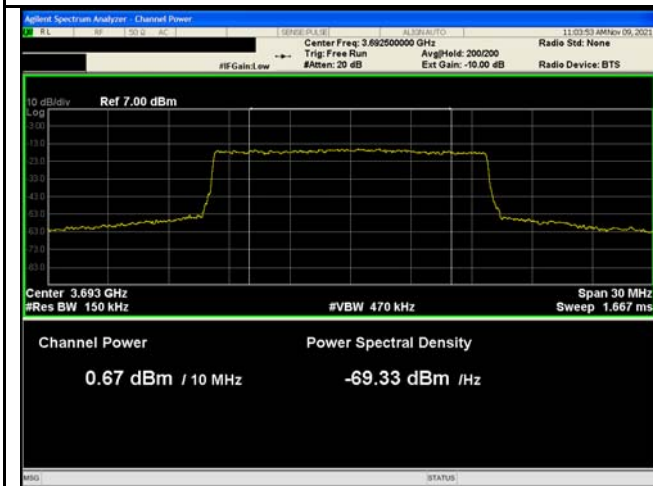
15MHz - Low CH 64QAM



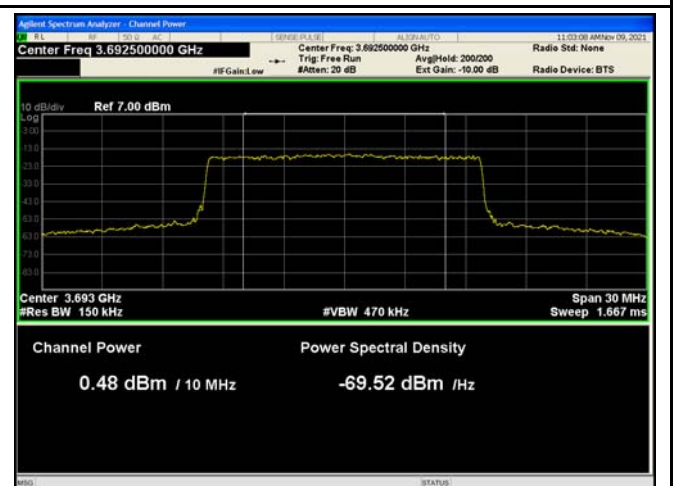
15MHz - Middle CH QPSK



15MHz - Middle CH 64QAM

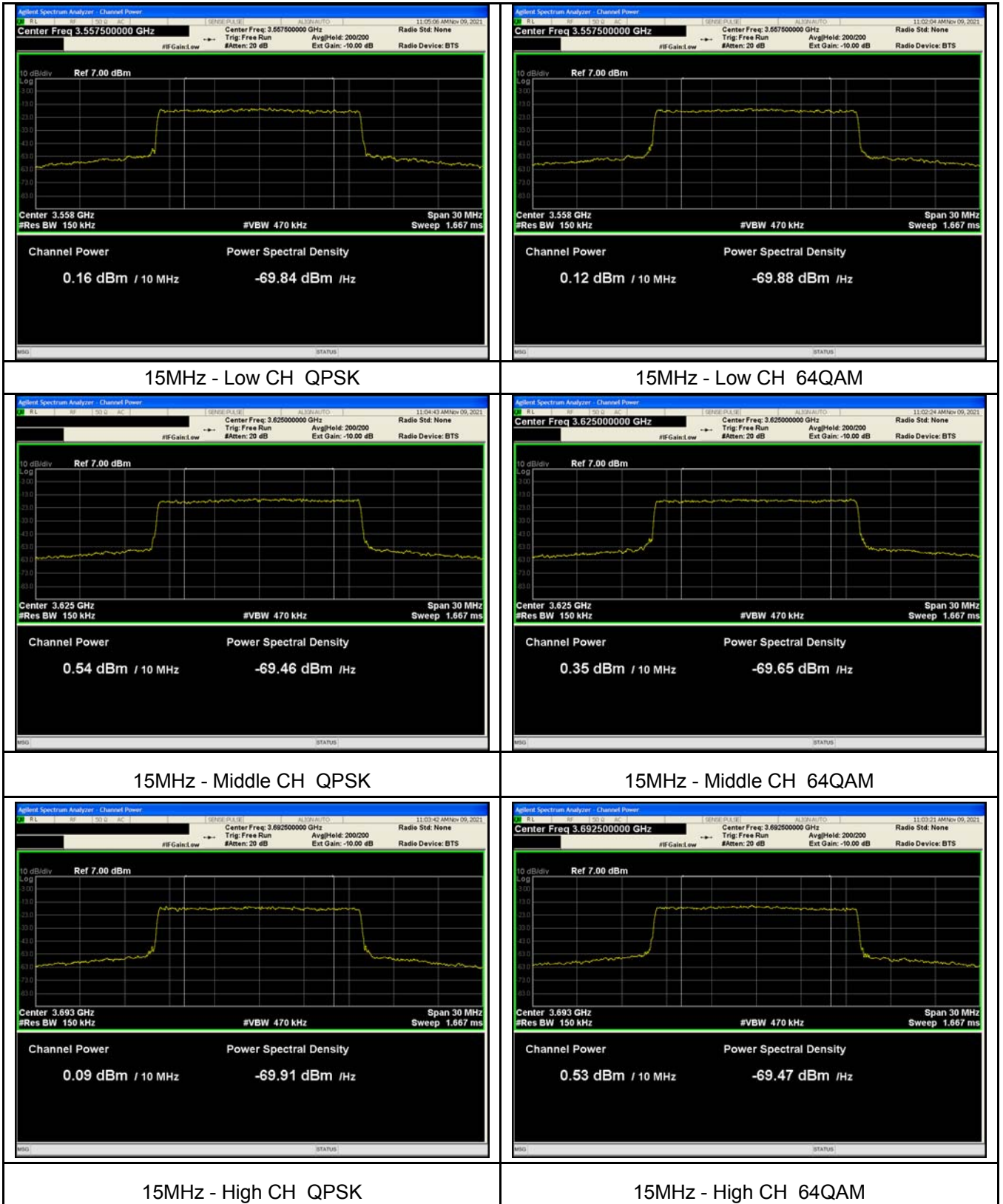


15MHz - High CH QPSK

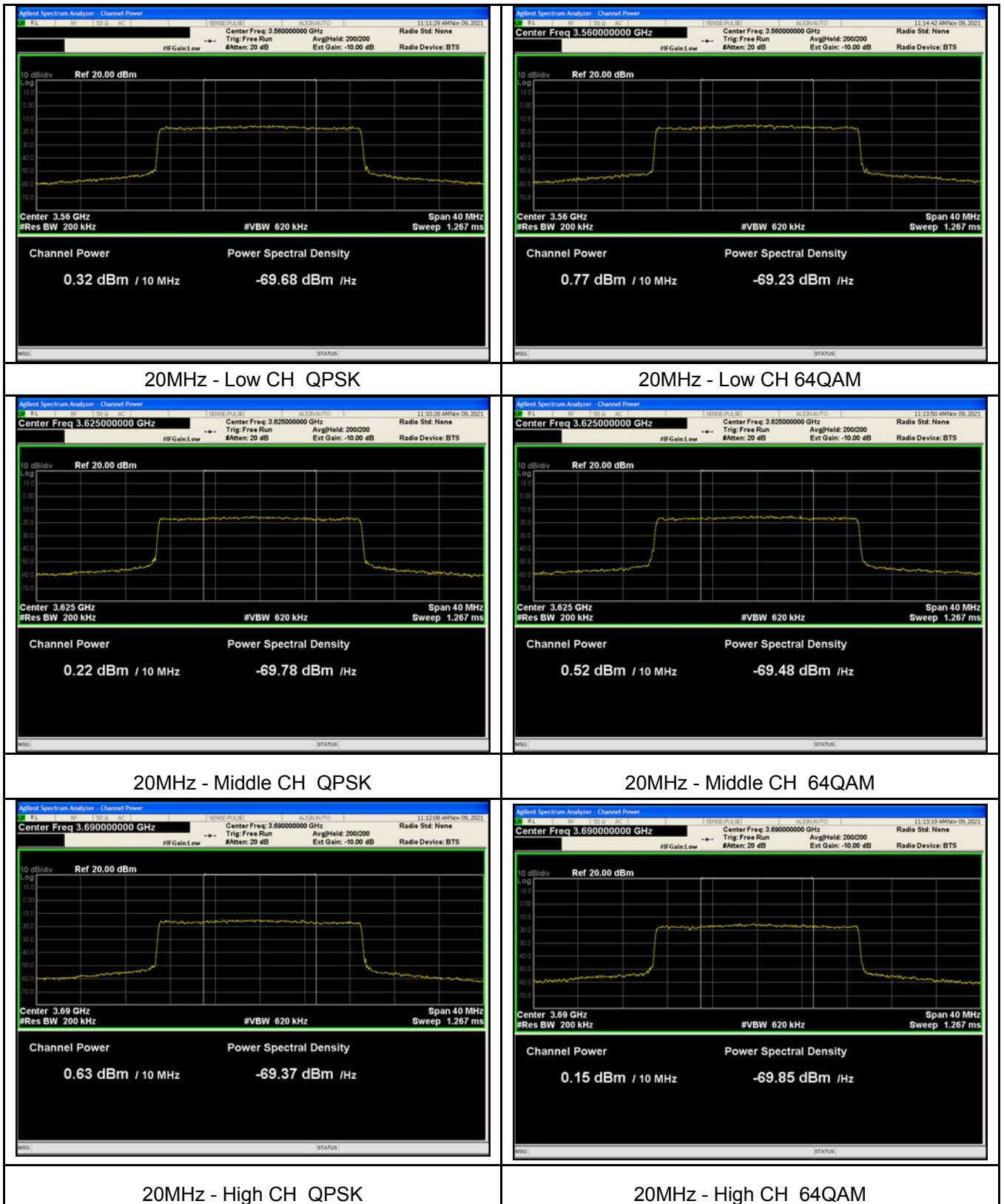


15MHz - High CH 64QAM

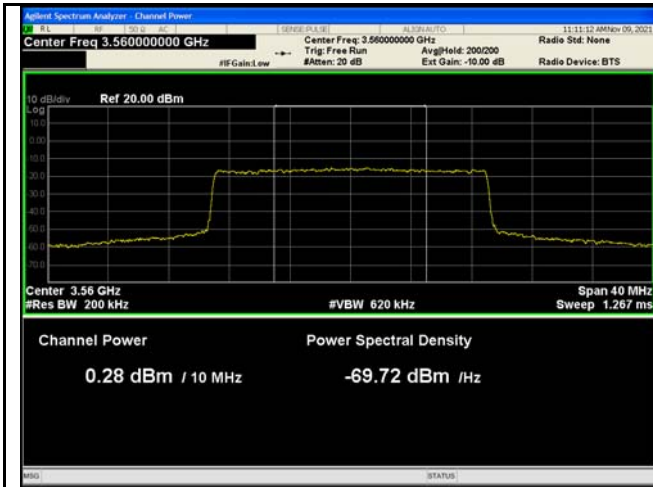
Chain 1



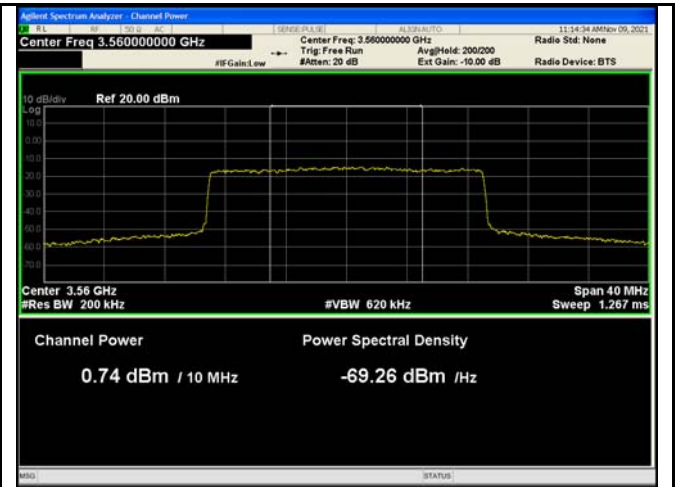
Chain 0



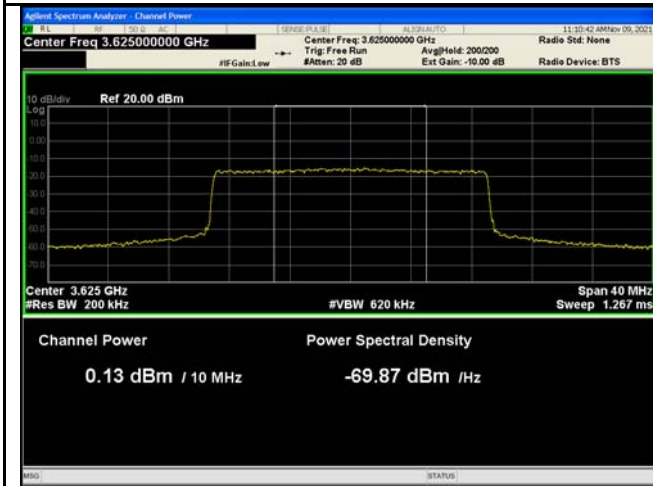
Chain 1



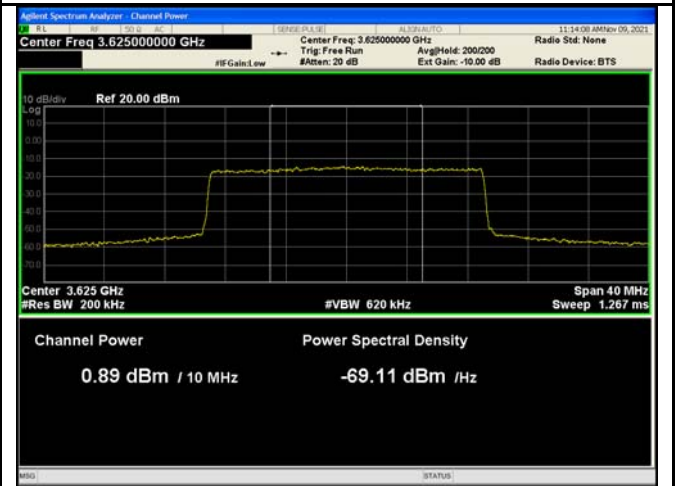
20MHz - Low CH QPSK



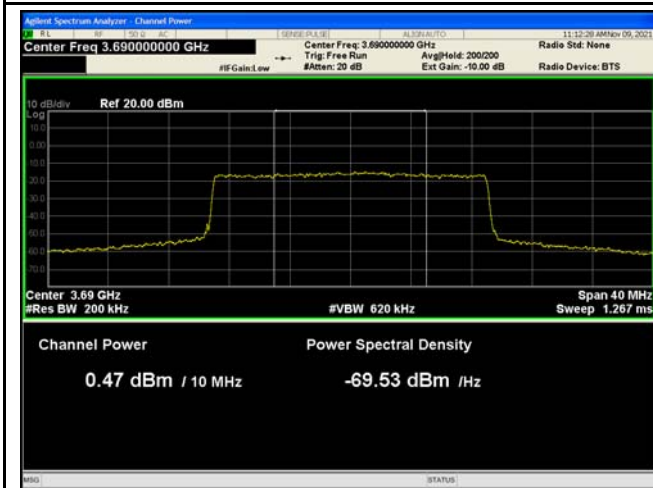
20MHz - Low CH 64QAM



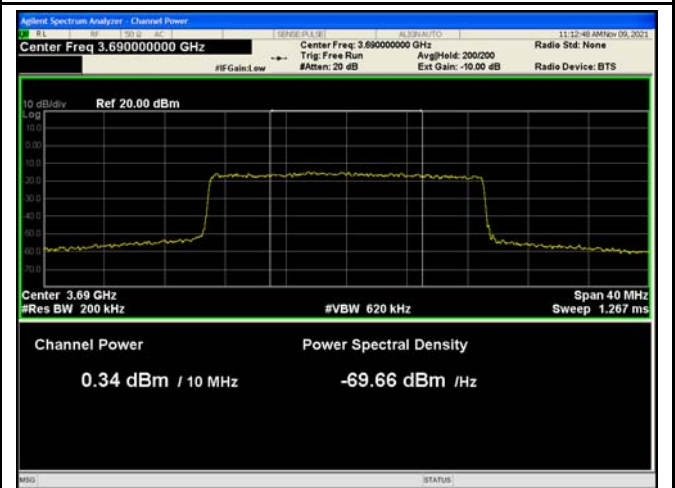
20MHz - Middle CH QPSK



20MHz - Middle CH 64QAM

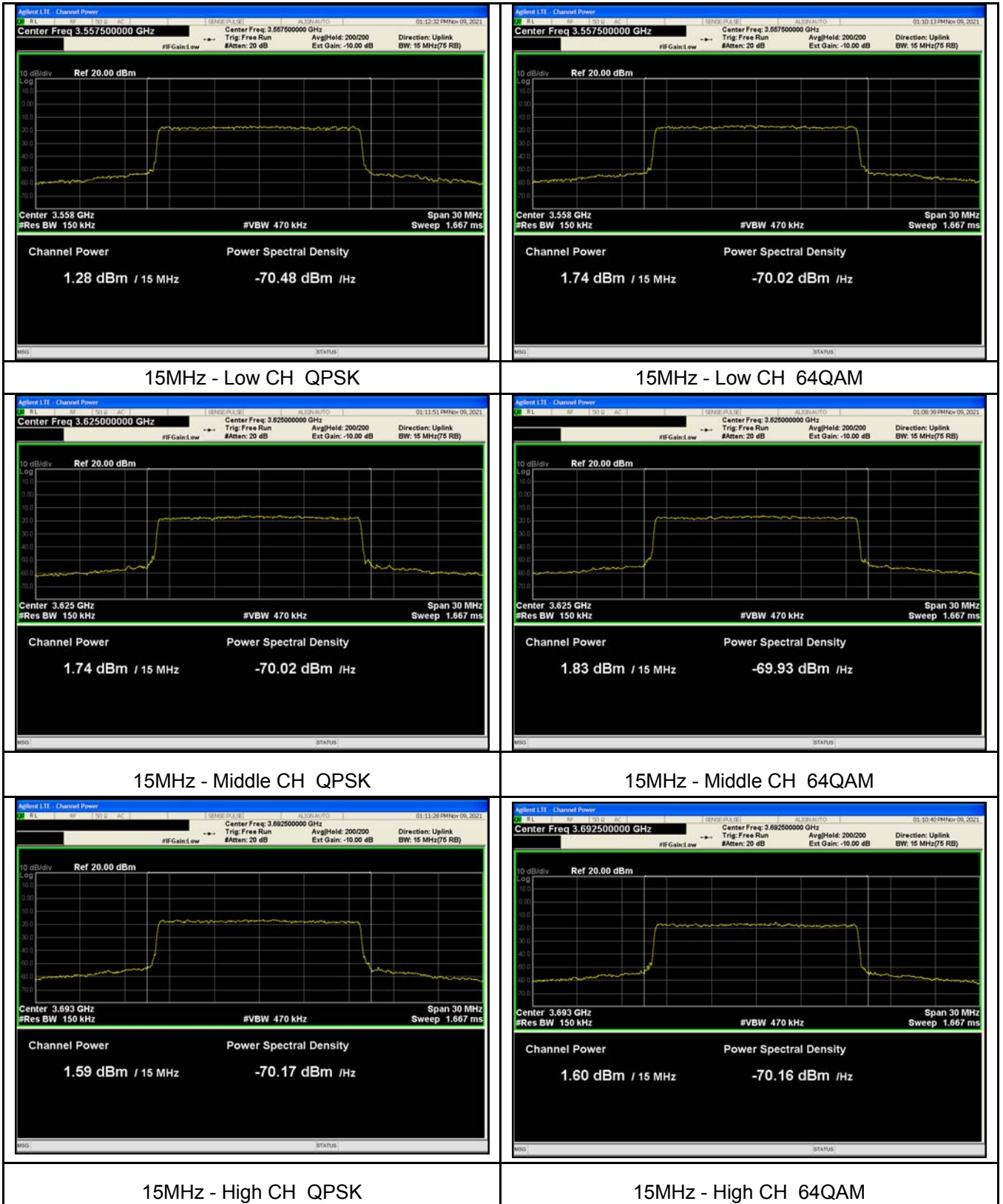


20MHz - High CH QPSK

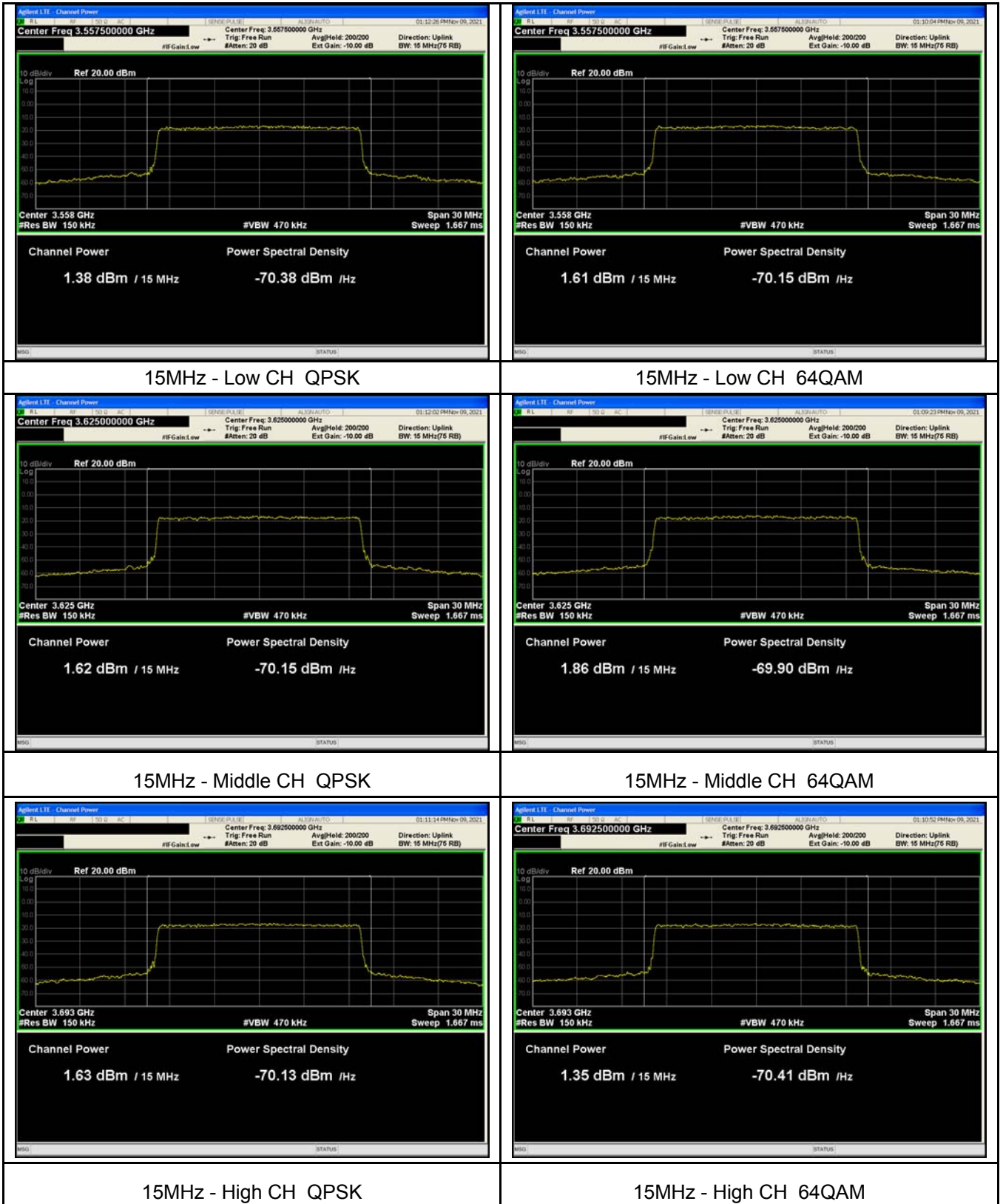


20MHz - High CH 64QAM

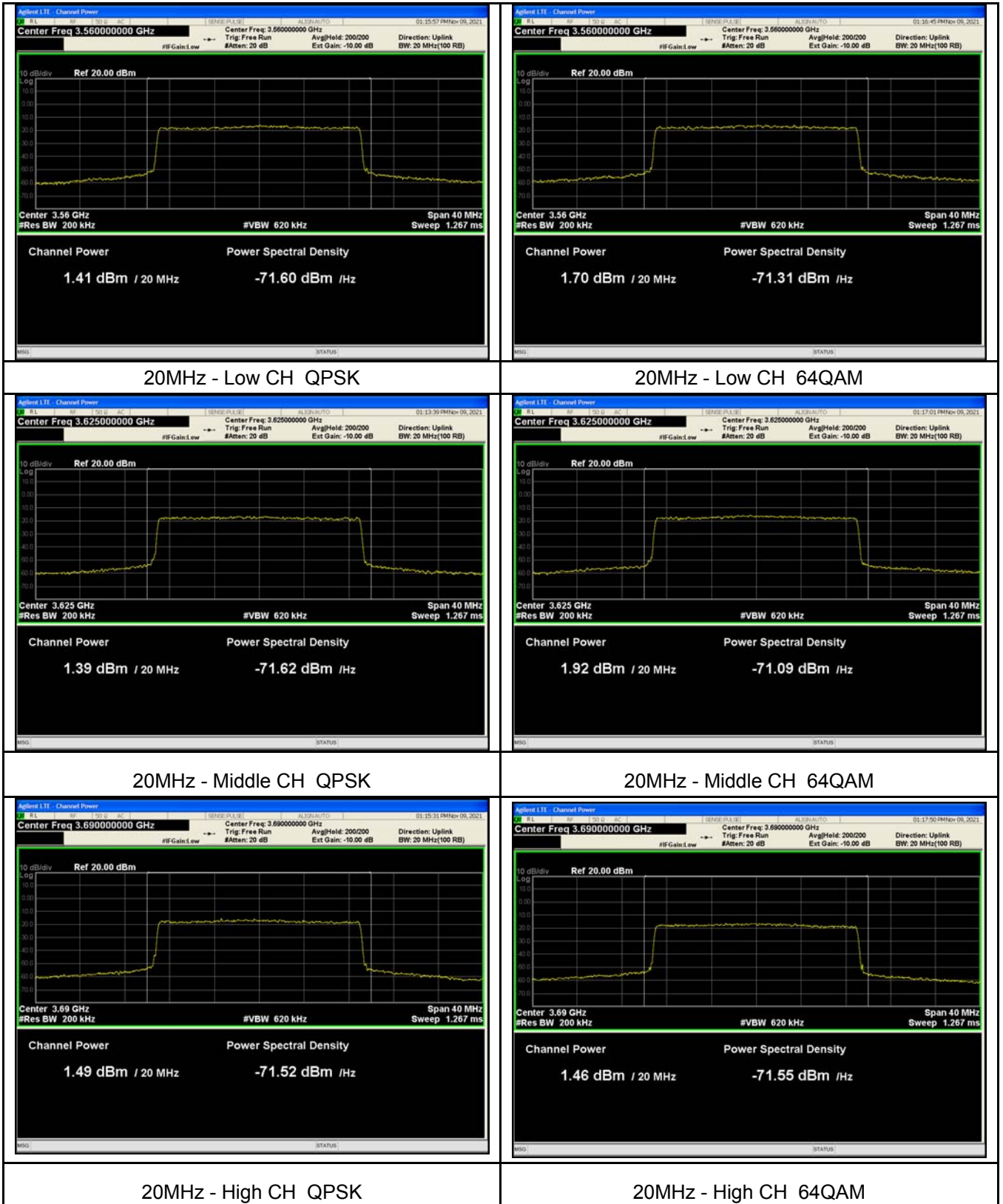
**Full Transmit Output Power Test Plots
Chain 0**



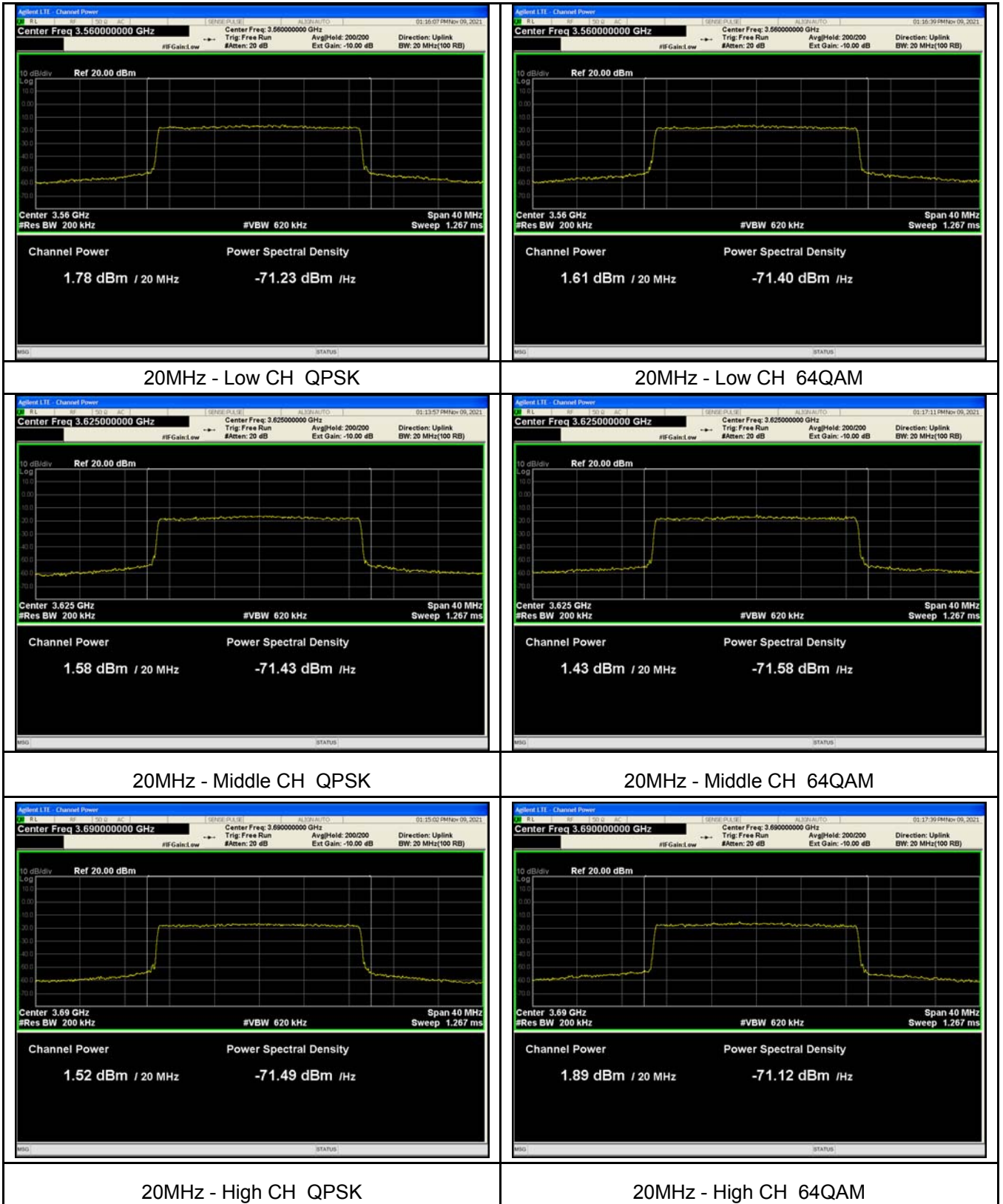
Chain 1



Chain 0



Chain 1



8 Peak-to-average power ratio

| | |
|-------------------|---------------------------------------|
| Test Requirement: | FCC part96.41(g) |
| Test Method: | ANSI/TIA-603-E:2016, ANSI C63.26:2015 |
| Test Mode: | Data communicating mode |
| Limit: | |

| Probability, % | dB |
|----------------|----|
| 0.1 | 13 |

8.1 EUT Operation

Operating Environment :

| | |
|-----------------------|-----------|
| Temperature: | 22.5 °C |
| Humidity: | 52.1 % RH |
| Atmospheric Pressure: | 102.3kPa |

Note: Data that only reflects the worst mode is reported

8.2 Test Procedure

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. Set EUT to transmit at maximum output power.
3. When the duty cycle is less than 98%, then signal gating will be implemented on the spectrum analyzer by triggering from the system simulator.
4. Set the CCDF (Complementary Cumulative Distribution Function) option of the spectrum analyzer. Record the maximum PAPR level associated with a probability of 0.1%.

8.3 Test Result

10MHz bandwidth

| Mode | Chain 0 | | | Chain 1 | | | Limit (dB) |
|----------------------------|---------|--------|------|---------|--------|------|---------------|
| | Low | Middle | High | Low | Middle | High | |
| Peak-to-Average Ratio (dB) | 8.90 | 9.54 | 8.58 | 8.98 | 8.32 | 8.15 | 13 |

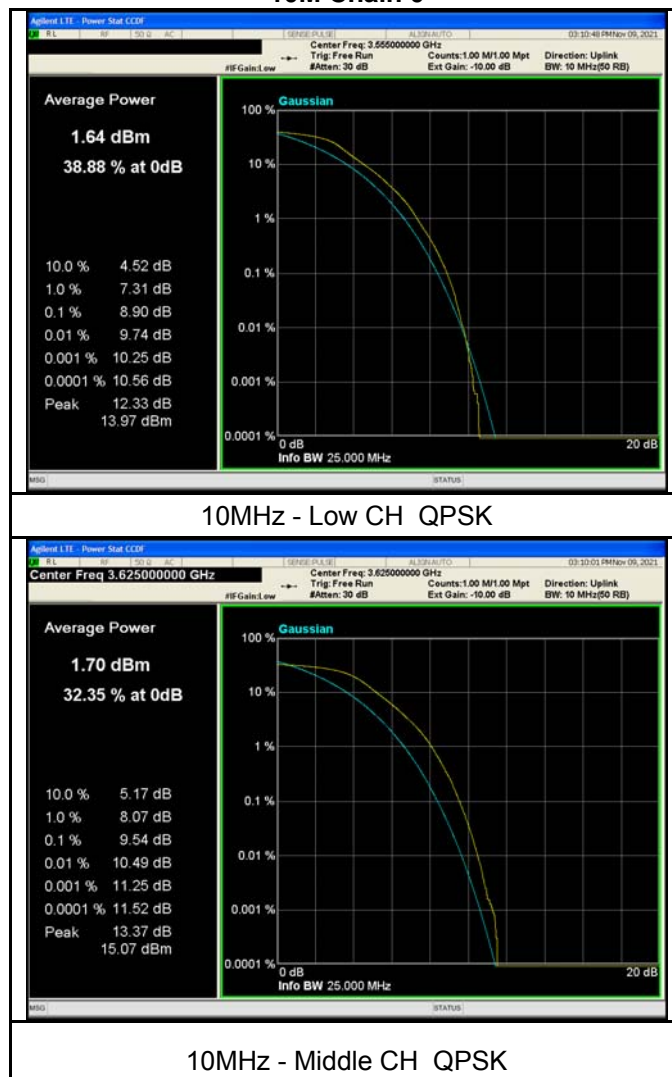
15MHz bandwidth

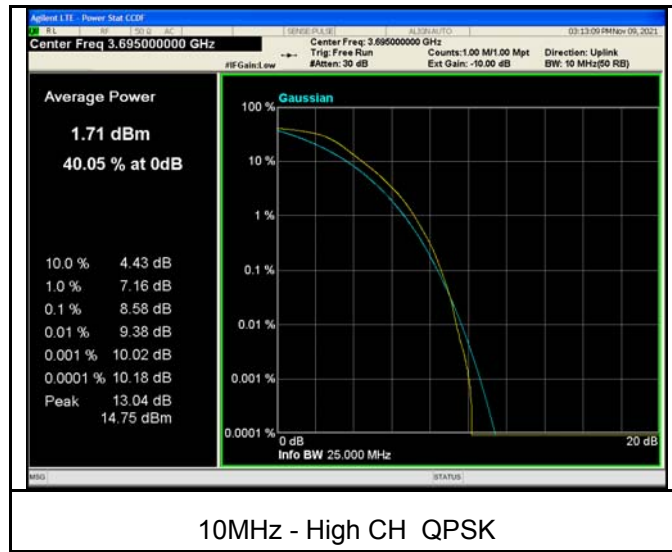
| Mode | Chain 0 | | | Chain 1 | | | Limit (dB) |
|----------------------------|---------|--------|-------|---------|--------|------|---------------|
| | Low | Middle | High | Low | Middle | High | |
| Peak-to-Average Ratio (dB) | 9.53 | 9.56 | 10.37 | 10.90 | 9.62 | 9.37 | 13 |

20MHz bandwidth

| Mode | Chain 0 | | | Chain 1 | | | Limit |
|----------------------------|---------|--------|------|---------|--------|------|-------|
| Channel | Low | Middle | High | Low | Middle | High | (dB) |
| Peak-to-Average Ratio (dB) | 9.80 | 8.98 | 7.75 | 9.38 | 9.13 | 9.39 | 13 |

Test Plots
10M Chain 0





10M Chain 1



10MHz - Low CH QPSK



10MHz - Middle CH QPSK



10MHz - High CH QPSK

15M Chain 0



15MHz - Low CH QPSK



15MHz - Middle CH QPSK



15MHz - High CH QPSK

15M Chain 1



15MHz - Low CH QPSK



15MHz - Middle CH QPSK



15MHz - High CH QPSK

20M Chain 0



20MHz - Low CH QPSK



20MHz - Middle CH QPSK



20MHz - High CH QPSK

20M Chain 1



20MHz - Low CH QPSK



20MHz - Middle CH QPSK



20MHz - High CH QPSK

9 Occupy Bandwidth

| | |
|-------------------|---------------------------------------|
| Test Requirement: | FCC part 2.1049 |
| Test Method: | ANSI/TIA-603-E:2016, ANSI C63.26:2015 |
| Test Mode: | Data communicating mode |

9.1 EUT Operation

| | |
|-------------------------|-----------|
| Operating Environment : | |
| Temperature: | 22.6 °C |
| Humidity: | 52.4 % RH |
| Atmospheric Pressure: | 103.3kPa |

9.2 Test Procedure

1. The EUT's output RF connector was connected with a short cable to the spectrum analyzer.
2. The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
3. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
4. The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3x RBW.

9.3 Test Result

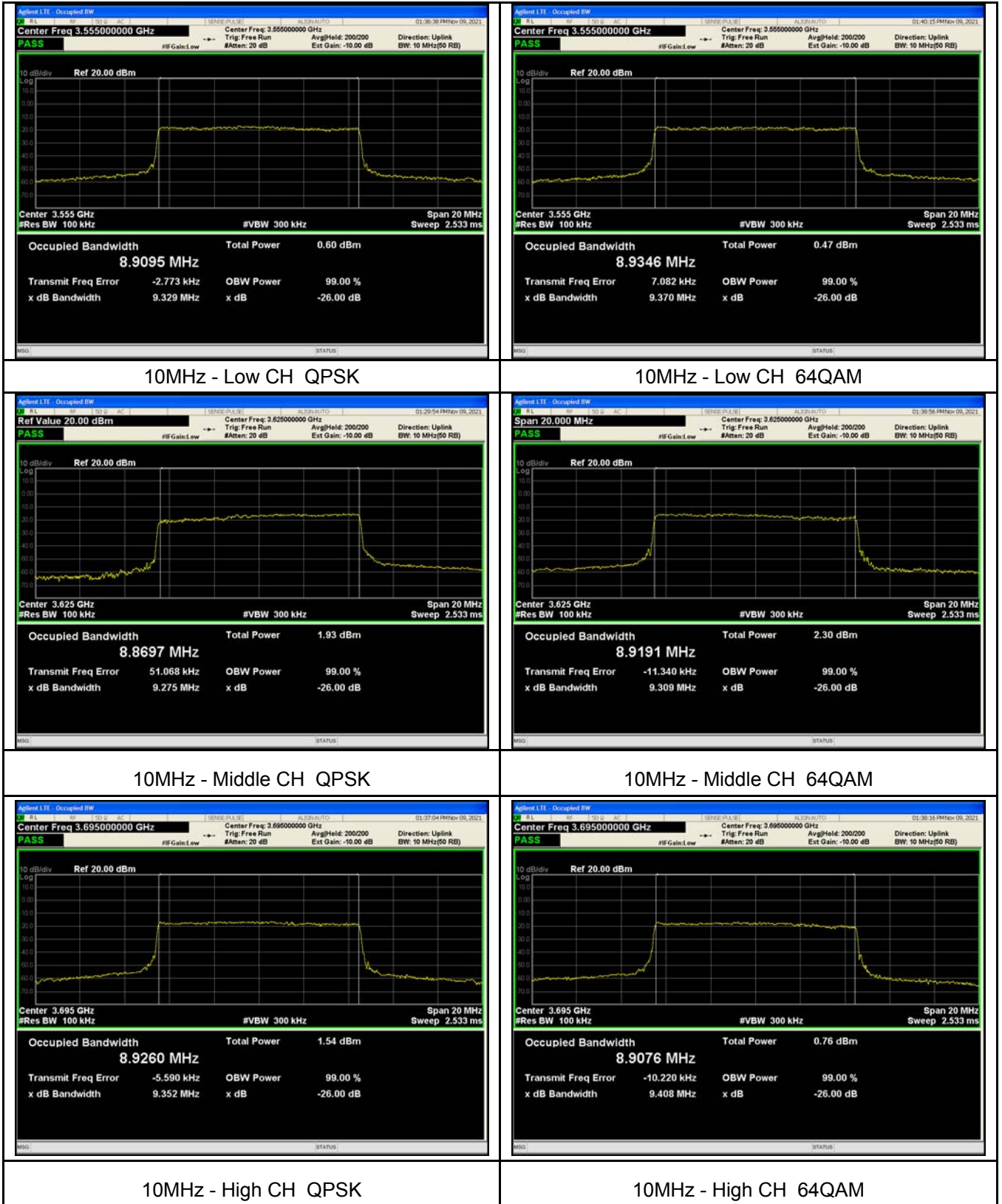
Chain 0

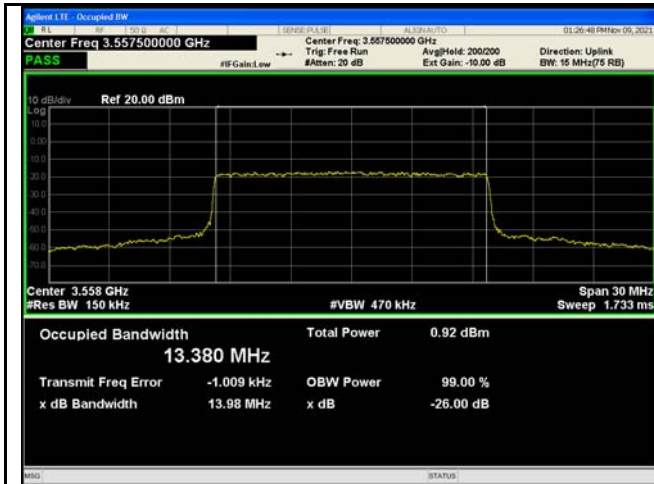
| Bandwidth (MHz) | Modulation | Test Channel | 26dB Down Bandwidth | 99% Occupy bandwidth (MHz) |
|-----------------|------------|--------------|---------------------|----------------------------|
| 10 | QPSK | Low | 9.329 | 8.9095 |
| | | Middle | 9.275 | 8.8697 |
| | | High | 9.352 | 8.9260 |
| | 64QAM | Low | 9.370 | 8.9346 |
| | | Middle | 9.309 | 8.9191 |
| | | High | 9.408 | 8.9076 |
| Bandwidth (MHz) | Modulation | Test Channel | 26dB Down Bandwidth | 99% Occupy bandwidth (MHz) |
| 15 | QPSK | Low | 13.98 | 13.380 |
| | | Middle | 13.89 | 13.408 |
| | | High | 13.89 | 13.378 |
| | 64QAM | Low | 13.92 | 13.382 |
| | | Middle | 13.89 | 13.396 |
| | | High | 13.88 | 13.362 |
| Bandwidth (MHz) | Modulation | Test Channel | 26dB Down Bandwidth | 99% Occupy bandwidth (MHz) |
| 20 | QPSK | Low | 18.49 | 17.785 |
| | | Middle | 18.50 | 17.836 |
| | | High | 18.47 | 17.817 |
| | 64QAM | Low | 18.54 | 17.843 |
| | | Middle | 18.50 | 17.816 |
| | | High | 18.52 | 17.811 |

Chain 1

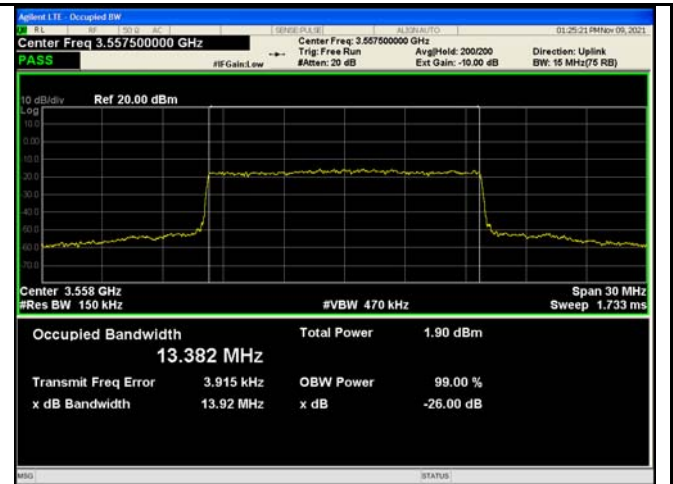
| Bandwidth (MHz) | Modulation | Test Channel | 26dB Down Bandwidth | 99% Occupy bandwidth (MHz) |
|-----------------|------------|--------------|---------------------|----------------------------|
| 10 | QPSK | Low | 9.323 | 8.8904 |
| | | Middle | 9.273 | 8.9175 |
| | | High | 9.349 | 8.9039 |
| | 64QAM | Low | 9.373 | 8.9100 |
| | | Middle | 9.347 | 8.9259 |
| | | High | 9.392 | 8.9208 |
| Bandwidth (MHz) | Modulation | Test Channel | 26dB Down Bandwidth | 99% Occupy bandwidth (MHz) |
| 15 | QPSK | Low | 13.95 | 13.362 |
| | | Middle | 13.91 | 13.348 |
| | | High | 13.89 | 13.367 |
| | 64QAM | Low | 13.96 | 13.368 |
| | | Middle | 13.90 | 13.389 |
| | | High | 14.01 | 13.375 |
| Bandwidth (MHz) | Modulation | Test Channel | 26dB Down Bandwidth | 99% Occupy bandwidth (MHz) |
| 20 | QPSK | Low | 18.47 | 17.793 |
| | | Middle | 18.51 | 17.843 |
| | | High | 18.52 | 17.818 |
| | 64QAM | Low | 18.49 | 17.798 |
| | | Middle | 18.52 | 17.837 |
| | | High | 18.54 | 17.804 |

Test Plots
Chain 0

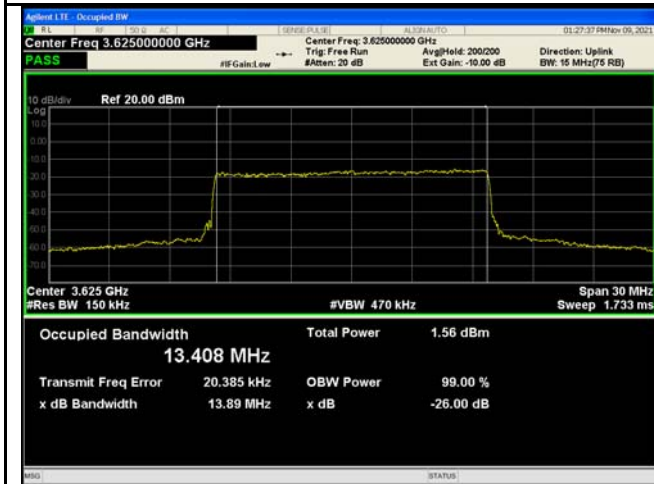




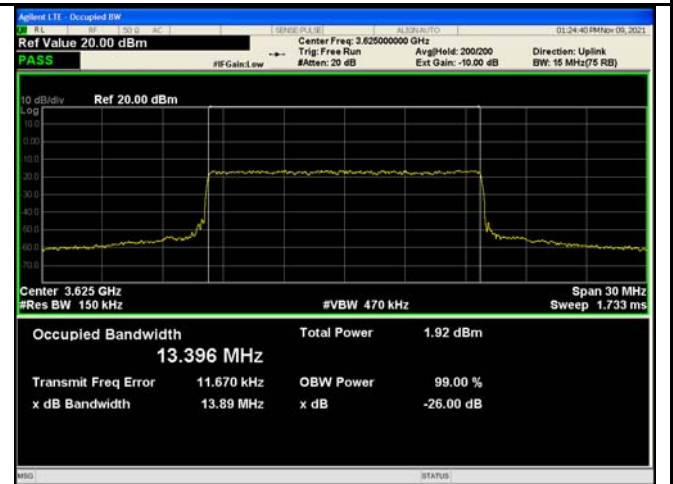
15MHz - Low CH QPSK



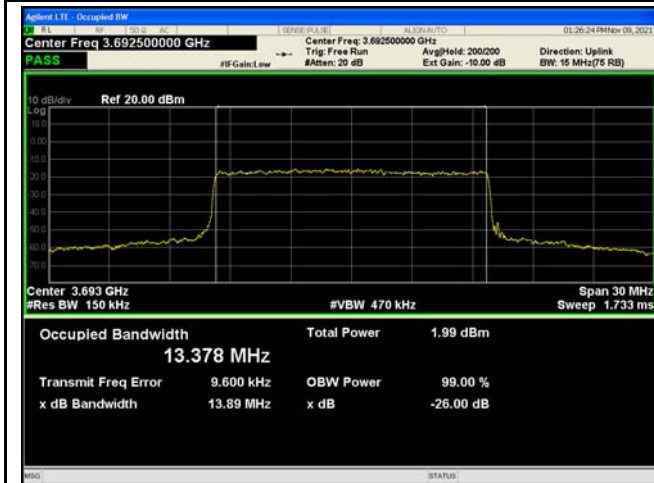
15MHz - Low CH 64QAM



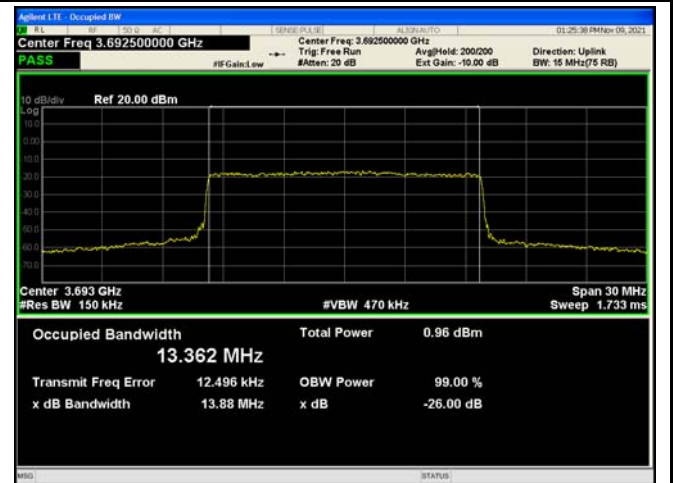
15MHz - Middle CH QPSK



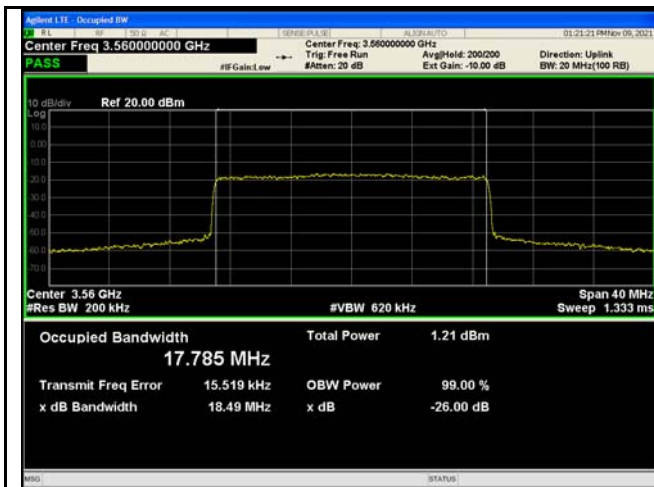
15MHz - Middle CH 64QAM



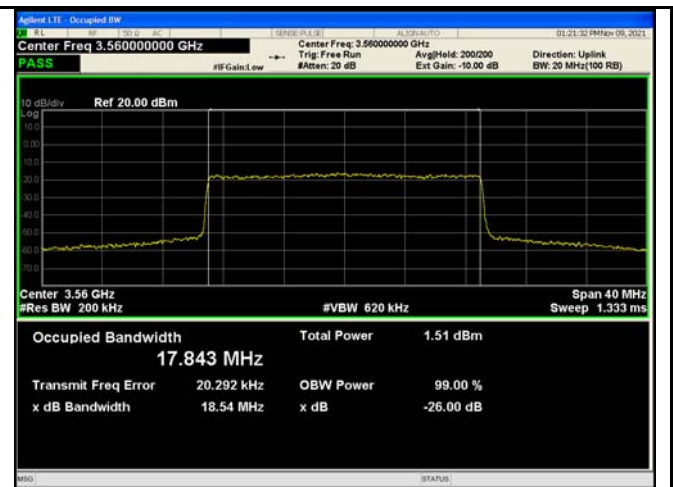
15MHz - High CH QPSK



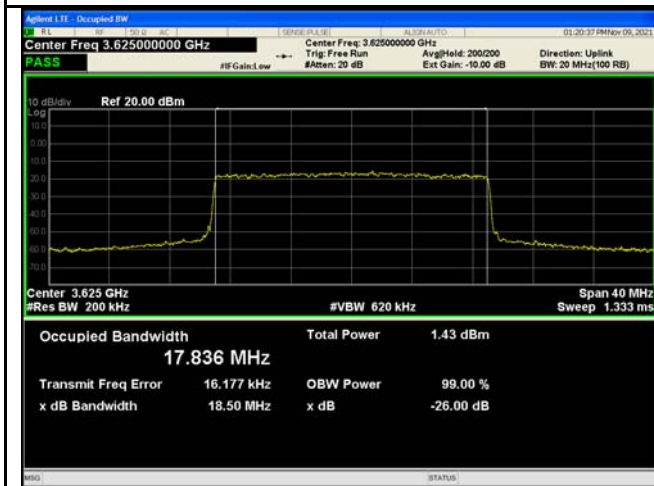
15MHz - High CH 64QAM



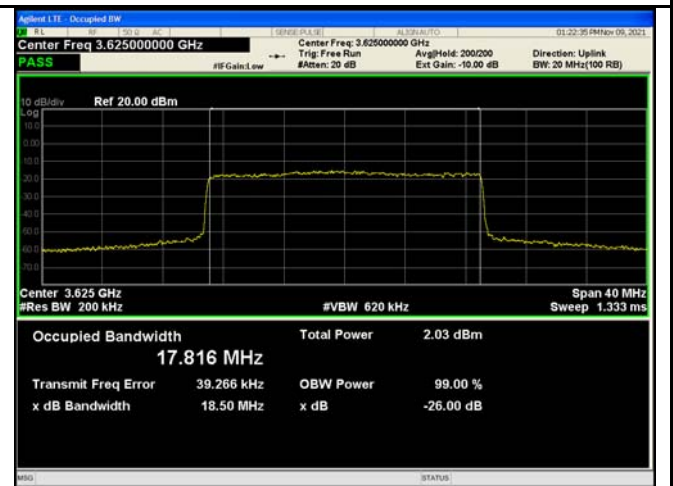
20MHz - Low CH QPSK



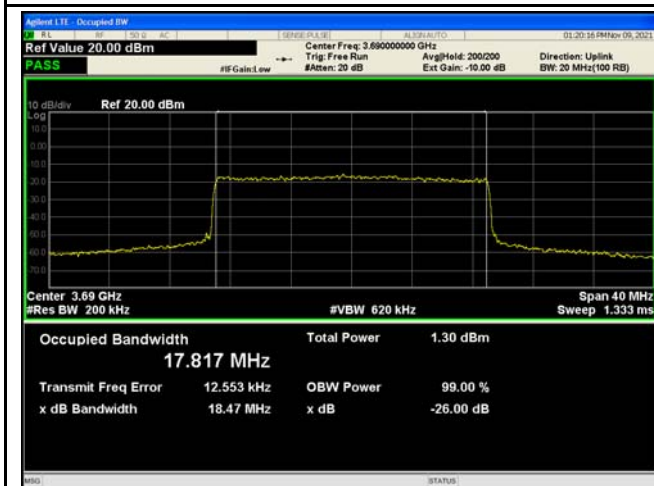
20MHz - Low CH 64QAM



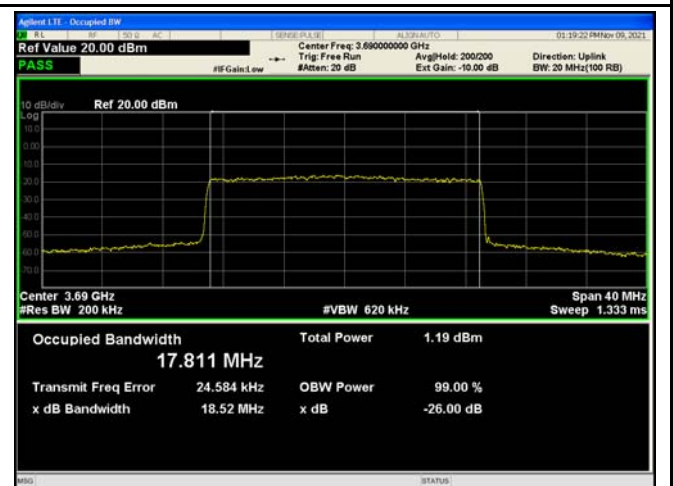
20MHz - Middle CH QPSK



20MHz - Middle CH 64QAM

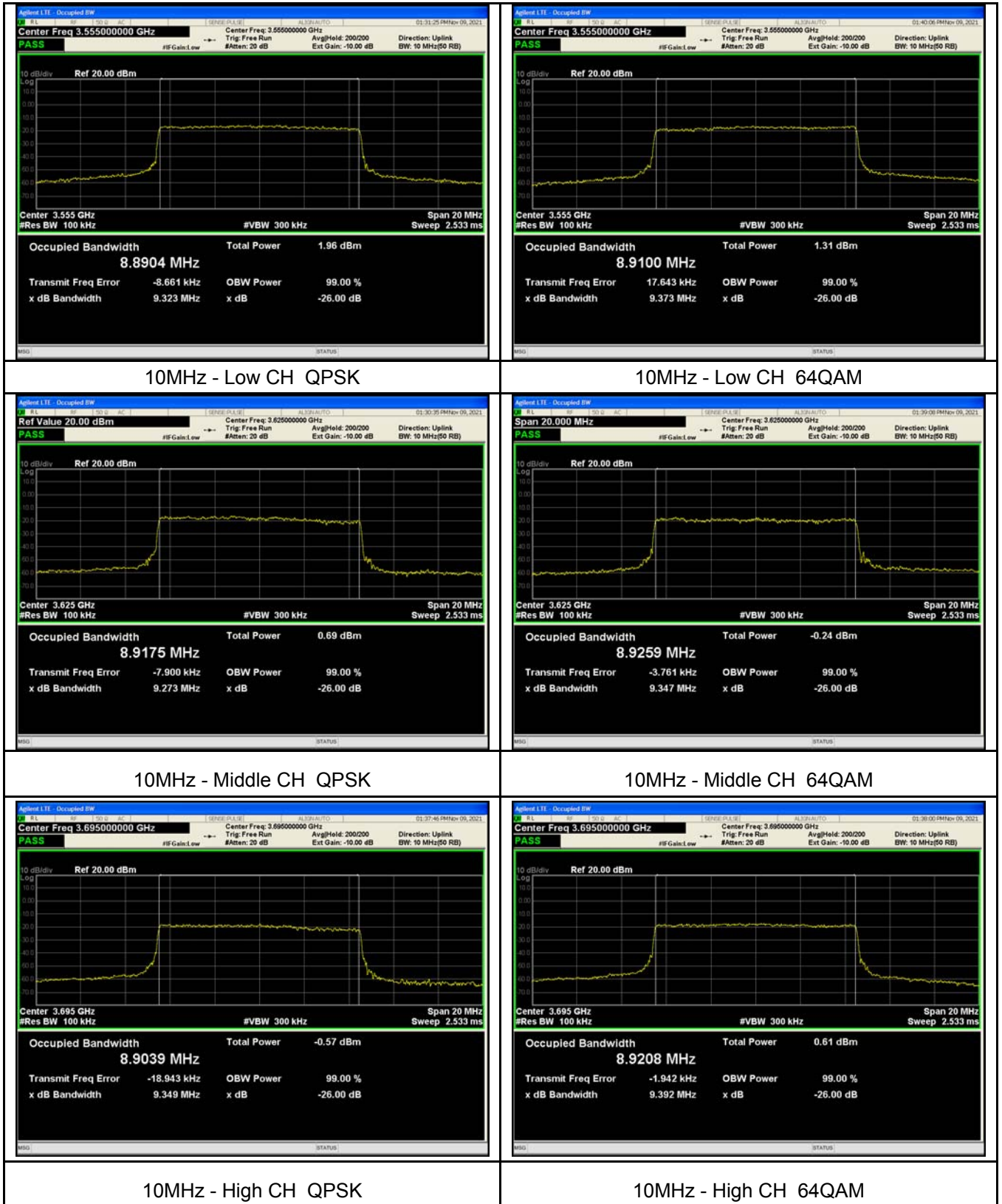


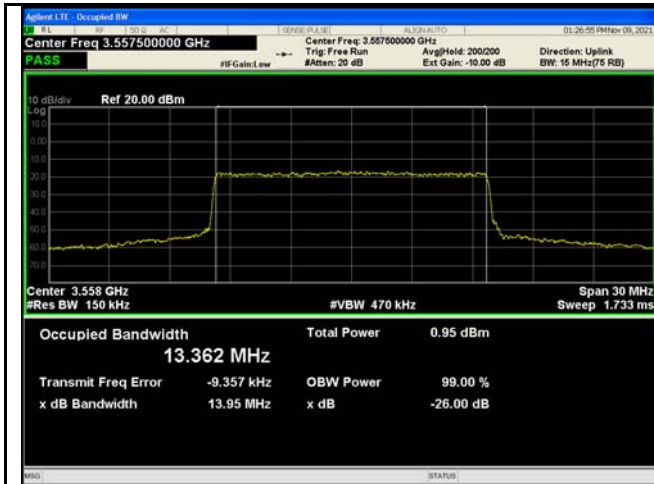
20MHz - High CH QPSK



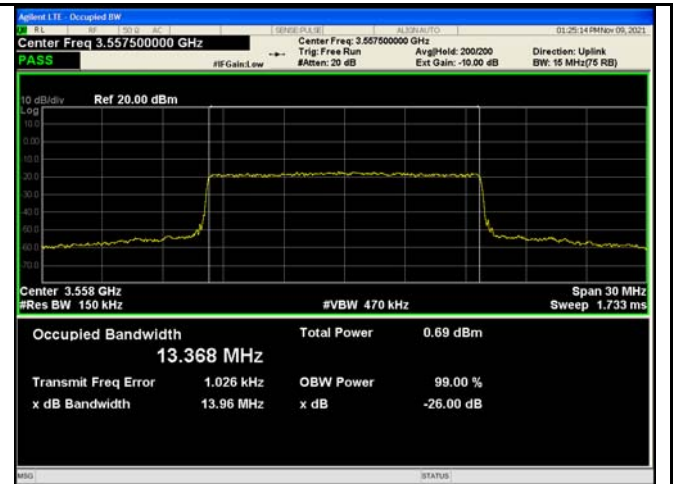
20MHz - High CH 64QAM

Chain 1

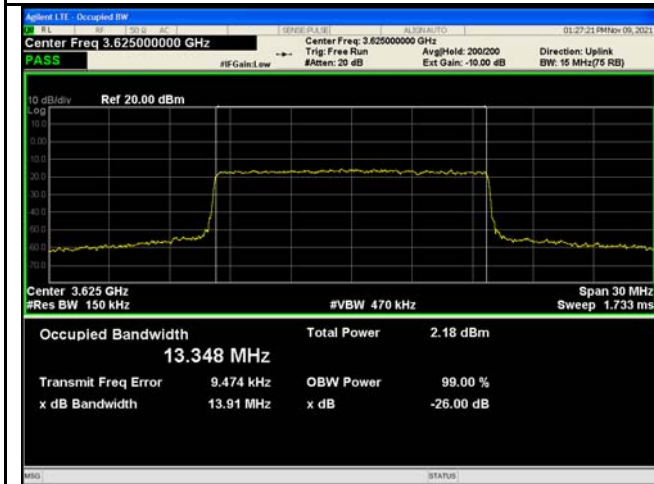




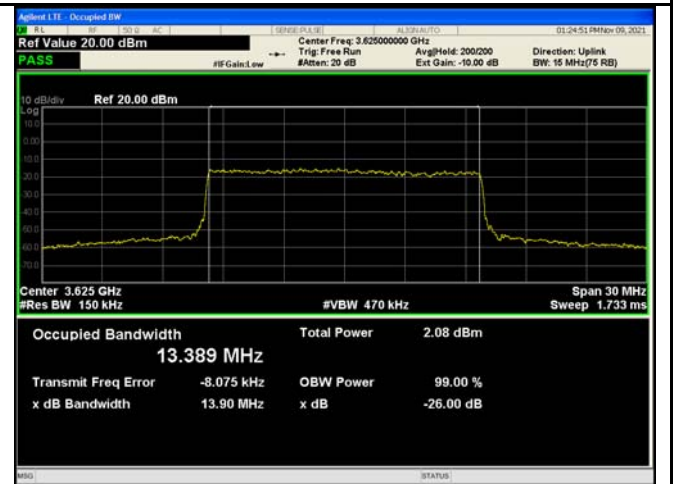
15MHz - Low CH QPSK



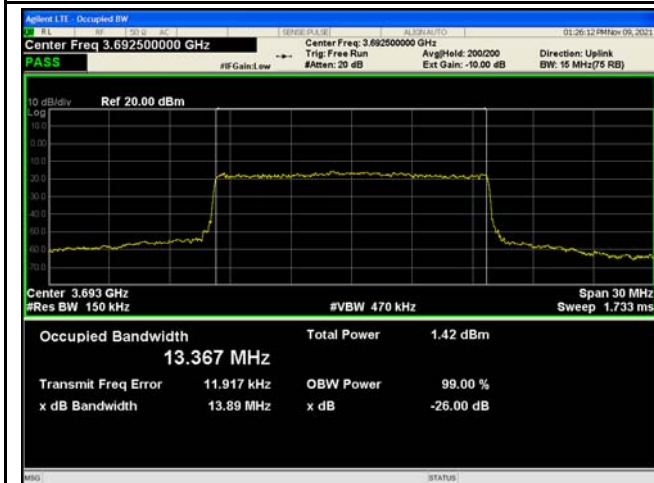
15MHz - Low CH 64QAM



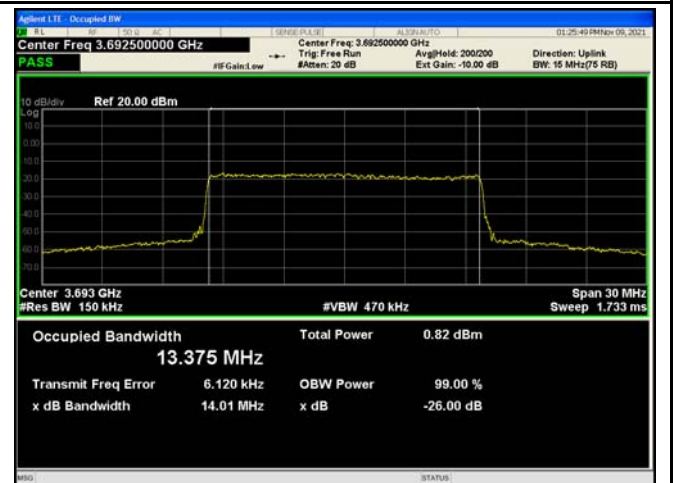
15MHz - Middle CH QPSK



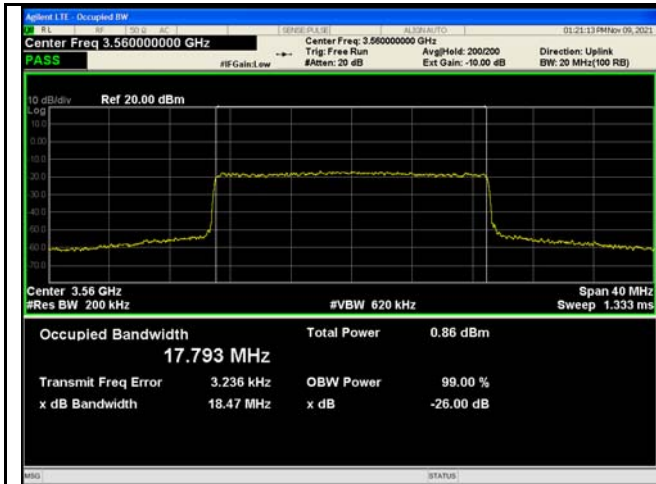
15MHz - Middle CH 64QAM



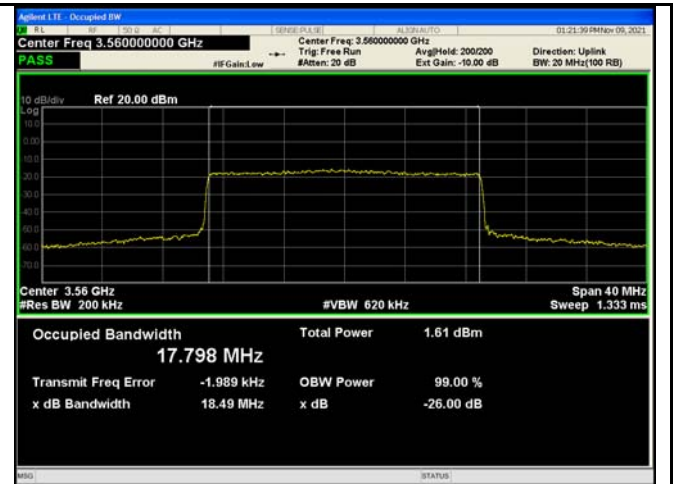
15MHz - High CH QPSK



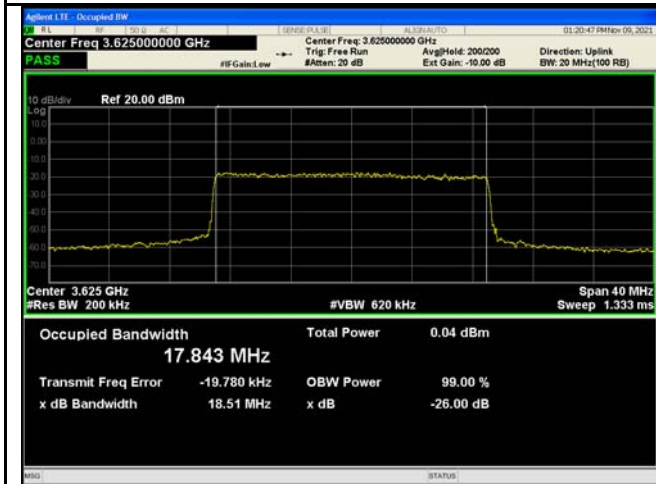
15MHz - High CH 64QAM



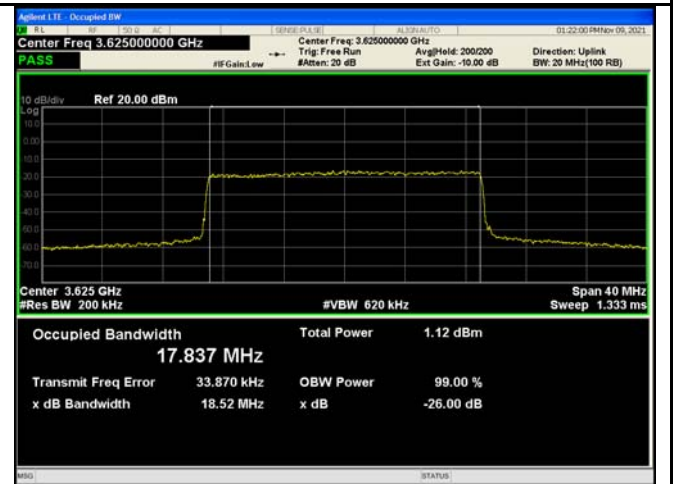
20MHz - Low CH QPSK



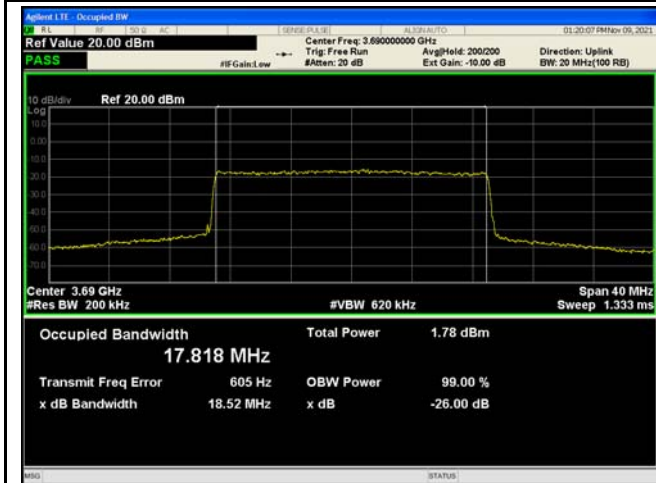
20MHz - Low CH 64QAM



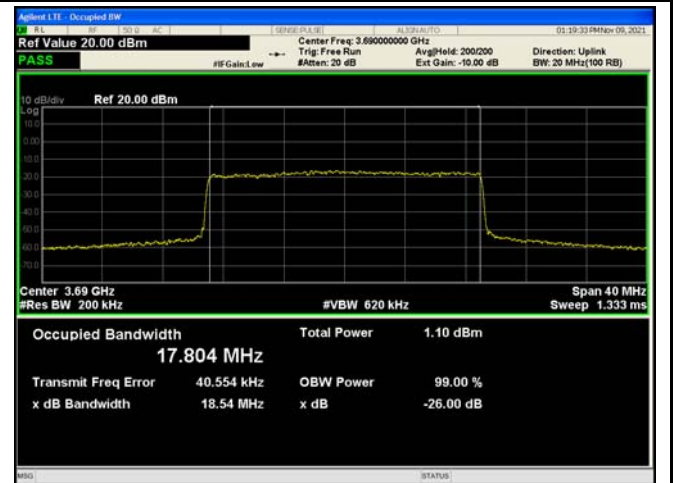
20MHz - Middle CH QPSK



20MHz - Middle CH 64QAM



20MHz - High CH QPSK



20MHz - High CH 64QAM

10 Emission outside the fundamental

| | |
|-------------------|---|
| Test Requirement: | FCC part 96.41(e) |
| Test Method: | ANSI/TIA-603-E:2016, ANSI C63.26:2015 |
| Test Mode: | Data communicating mode |
| Limit: | <ul style="list-style-type: none">• within 0 MHz to 10 MHz above and below the assigned channel \leq -13 dBm/MHz• greater than 10 MHz above and below the assigned channel \leq -25 dBm/MHz• any emission below 3530 MHz and above 3720 MHz \leq -40 dBm/MHz |

10.1 EUT Operation

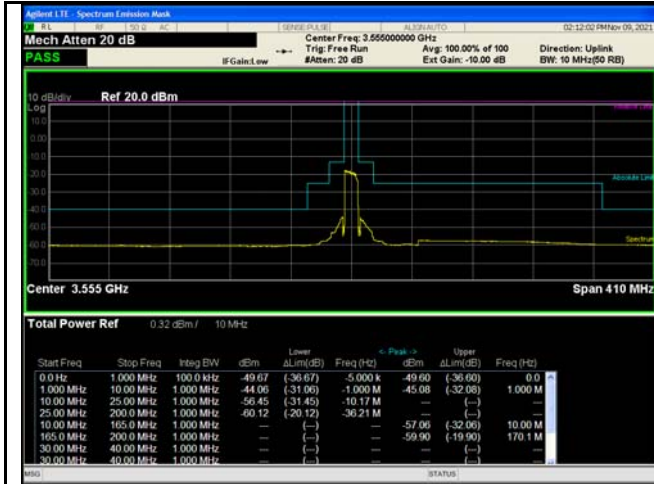
| | |
|-------------------------|-----------|
| Operating Environment : | |
| Temperature: | 22.7 °C |
| Humidity: | 52.1 % RH |
| Atmospheric Pressure: | 102.3kPa |

10.2 Test Procedure

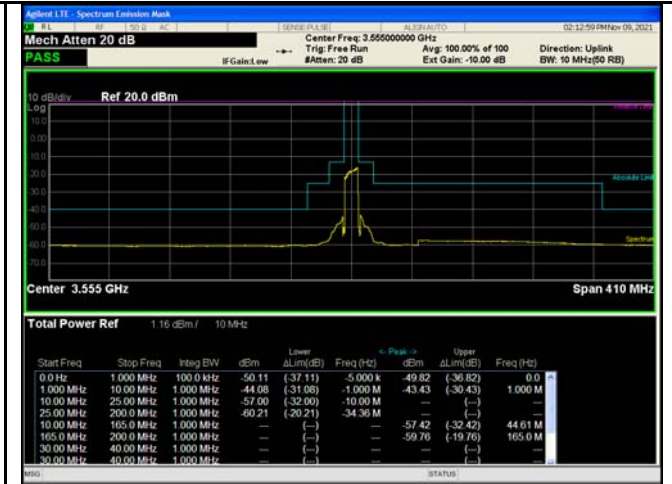
1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
2. Measurements must be performed for low, mid, and high channels.
3. RBW=1% of fundamental for measurements within 1 MHz immediately outside the authorized channel; and 1 MHz for beyond 1 MHz outside the authorized channel. (eg. For 5MHz, RBW=51KHz within 1 MHz immediately outside the authorized channel)
4. Trace average at least 100 traces

10.3 Test Result

Test Plots



10MHz - Low CH QPSK- Chain 0



10MHz - Low CH QPSK - Chain 1



10MHz - Middle CH QPSK- Chain 0



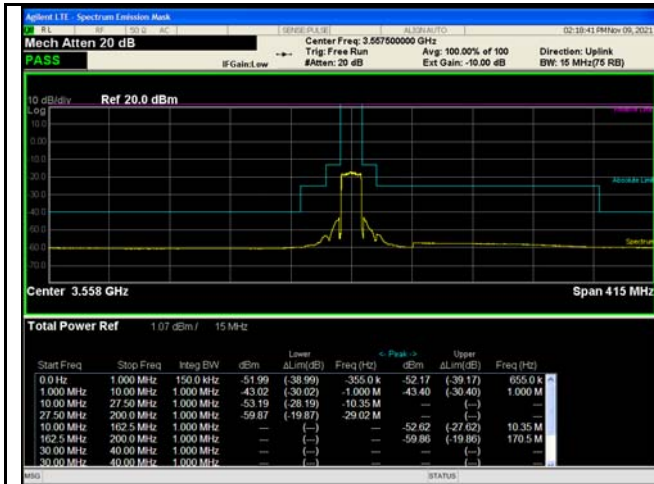
10MHz - Middle CH QPSK - Chain 1



10MHz - High CH QPSK- Chain 0



10MHz - High CH QPSK - Chain 1



15MHz - Low CH QPSK- Chain 0



15MHz - Low CH QPSK - Chain 1



15MHz - Middle CH QPSK- Chain 0



15MHz - Middle CH QPSK - Chain 1



15MHz - High CH QPSK- Chain 0



15MHz - High CH QPSK - Chain 1



20MHz - Low CH QPSK - Chain 0



20MHz - Low CH QPSK - Chain 1



20MHz - Middle CH QPSK - Chain 0



20MHz - Middle CH QPSK - Chain 1



20MHz - High CH QPSK - Chain 0



20MHz - High CH QPSK - Chain 1

11 Out of band emission at antenna terminals

| | |
|-------------------|---|
| Test Requirement: | FCC part 96.41(e) |
| Test Method: | ANSI/TIA-603-E:2016, ANSI C63.26:2015 |
| Test Mode: | Data communicating mode |
| Limit: | below 3530 MHz and above 3720 MHz \leq -40dBm |

11.1 EUT Operation

Operating Environment :

| | |
|-----------------------|-----------|
| Temperature: | 23.5 °C |
| Humidity: | 52.1 % RH |
| Atmospheric Pressure: | 101.3kPa |

11.2 Test Procedure

1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
2. The resolution bandwidth of the spectrum analyzer was 1MHz; sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

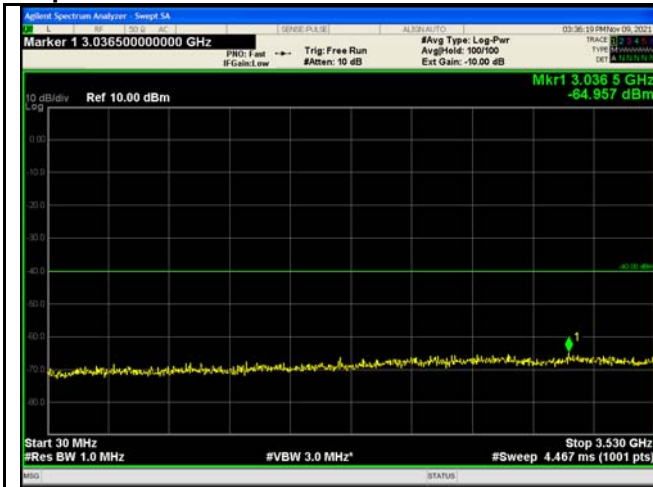
11.3 Test Result

Remark: During the test, pre-scan the QPSK, 64QAM modulation, and found the QPSK modulation(10MHz/15MHz/20MHz) is the worst case.

The permit frequency range of Part 96 is from 3550-3700MHz. Notes as below:

Note 1: This device can be implement MIMO function, so the limit of spurious emissions needs to be reduced by $10\log(\text{Numbers}_{\text{ANT}})$ according to KDB 662911
The general limit = -40dBm
For 2x2 MIMO, the limit = -40dBm - $10\log 2$ = -43dBm.

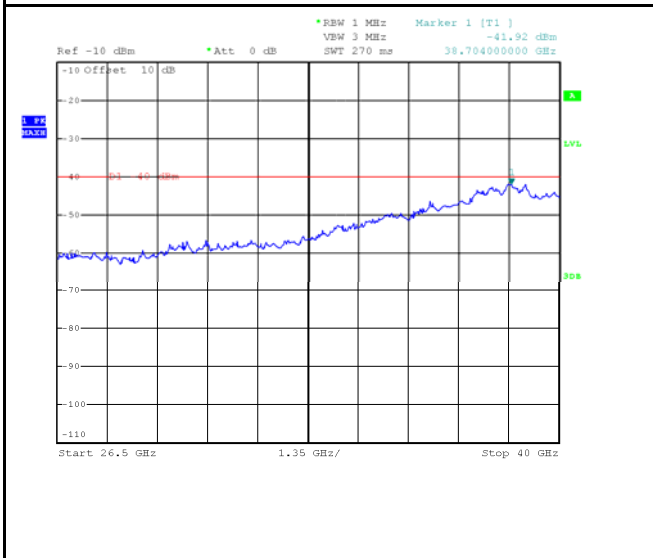
**Test Plots (Worst case Chain 0)
Spurious emission**



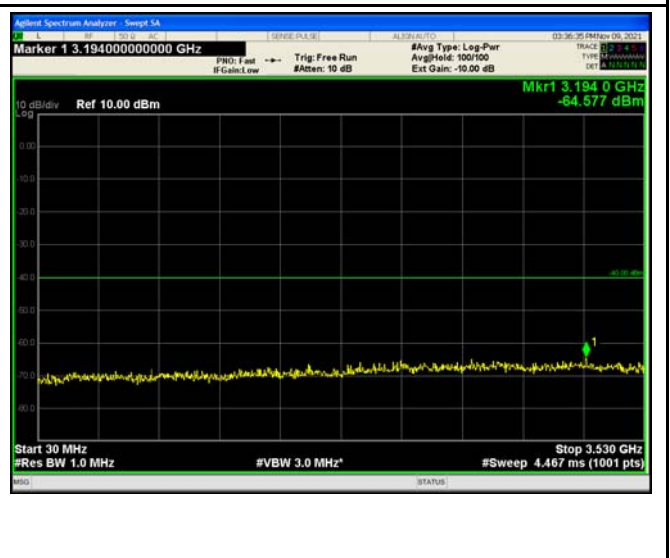
10MHz - Low CH 30MHz~3.53GHz



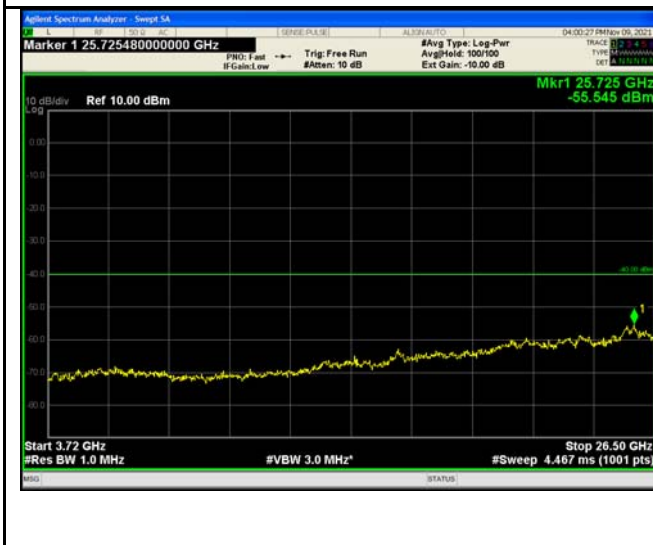
10MHz - Low CH 3.72GHz~26.5GHz



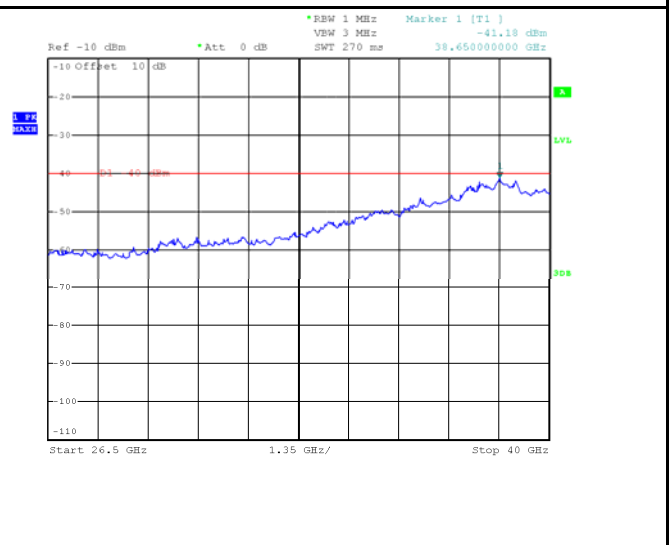
10MHz - Low CH 26.5GHz~40GHz



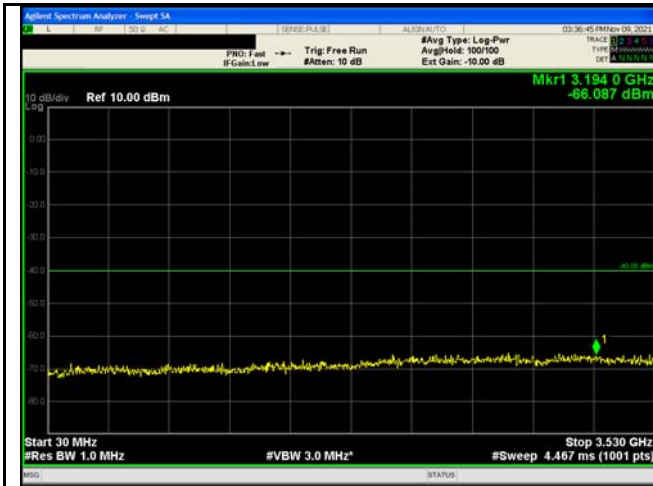
10MHz - Middle CH 30MHz~3.53GHz



10MHz - Middle CH 3.72GHz~26.5GHz



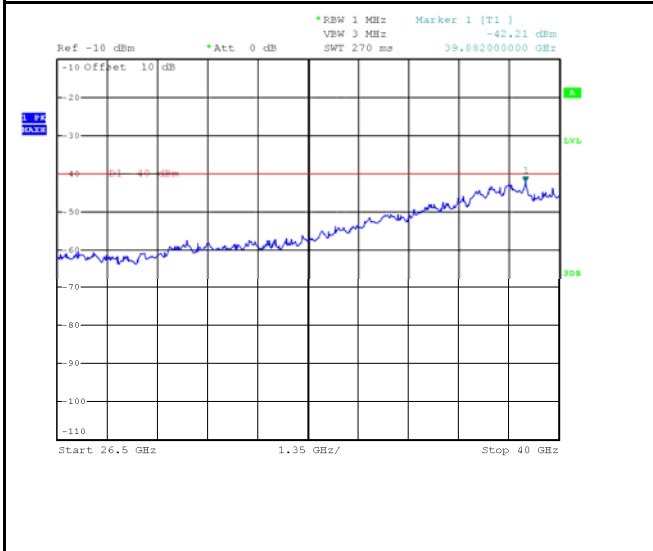
10MHz - Middle CH 26.5GHz~40GHz



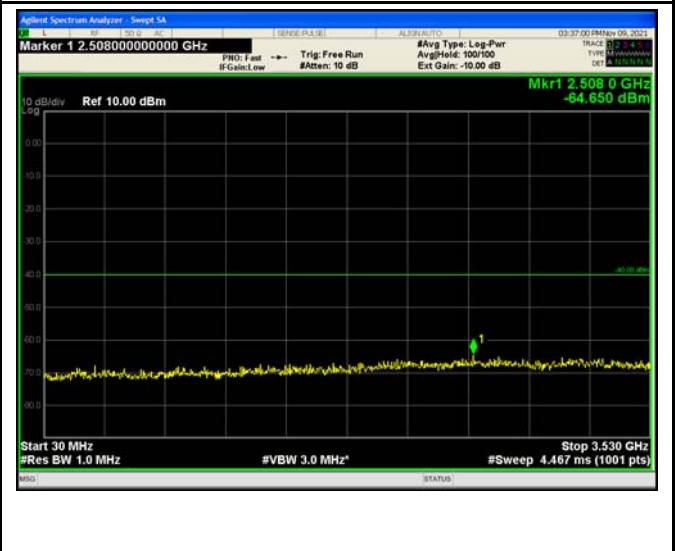
10MHz - High CH 30MHz~3.53GHz



10MHz - High CH 3.72GHz~26.5GHz



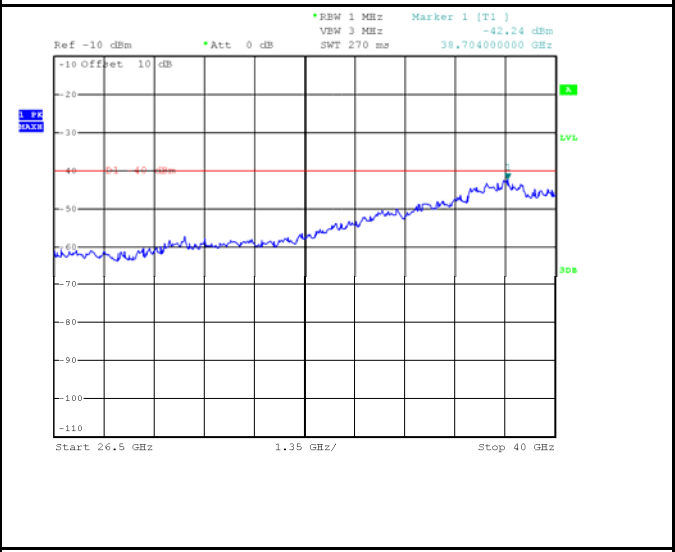
10MHz - High CH 26.5GHz~40GHz



15MHz - Low CH 30MHz~3.53GHz



15MHz - Low CH 3.72GHz~26.5GHz



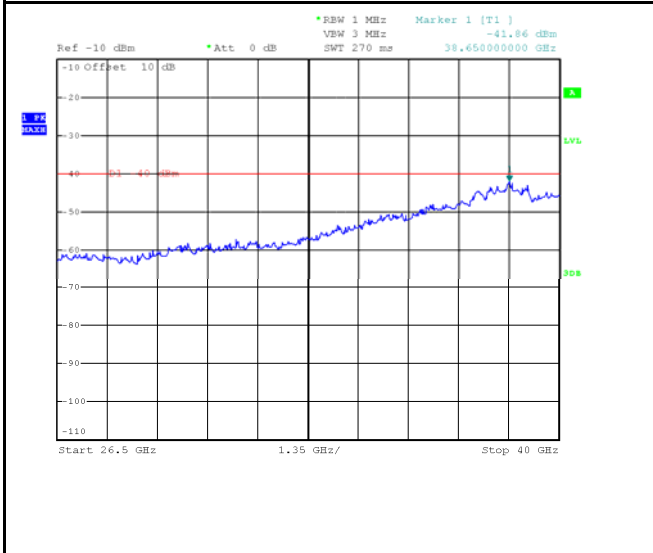
15MHz - Low CH 26.5GHz~40GHz



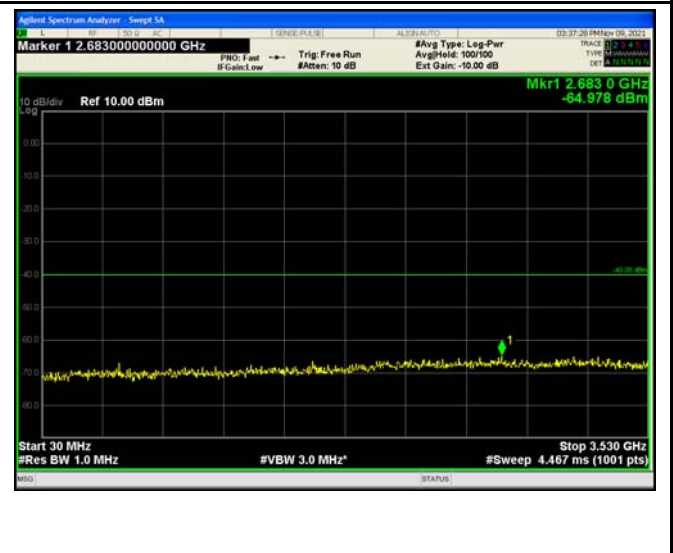
15MHz - Middle CH 30MHz~3.53GHz



15MHz - Middle CH 3.72GHz~26.5GHz



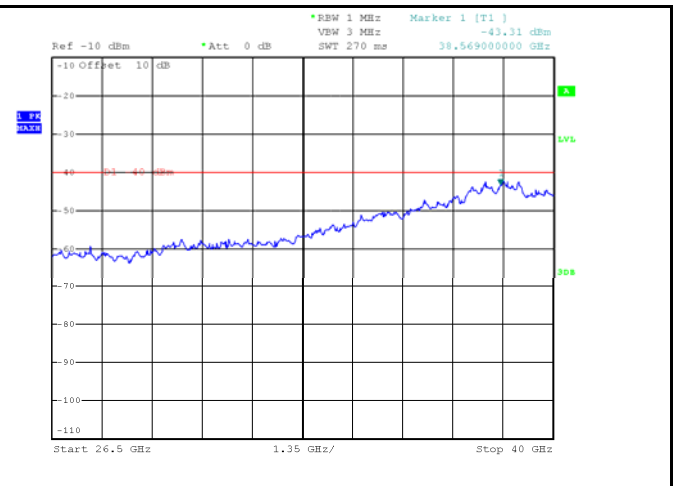
15MHz - Middle CH 26.5GHz~40GHz



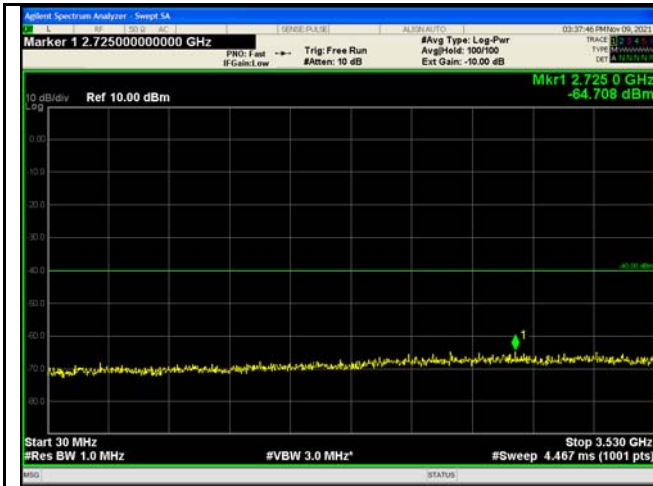
15MHz - High CH 30MHz~3.53GHz



15MHz - High CH 3.72GHz~26.5GHz



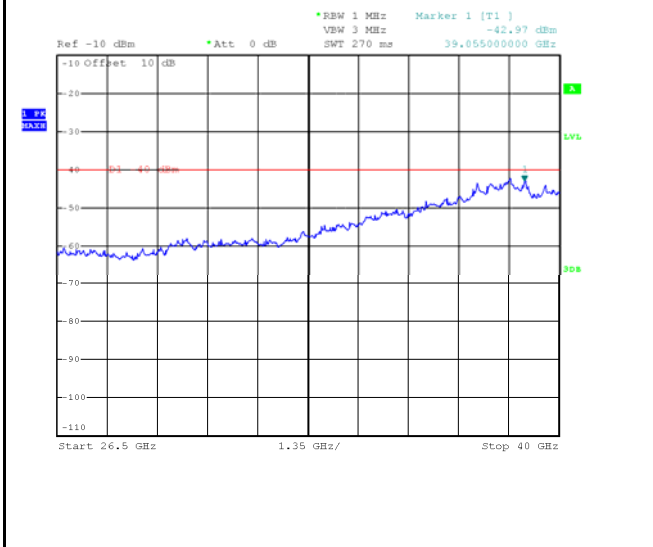
15MHz - High CH 26.5GHz~40GHz



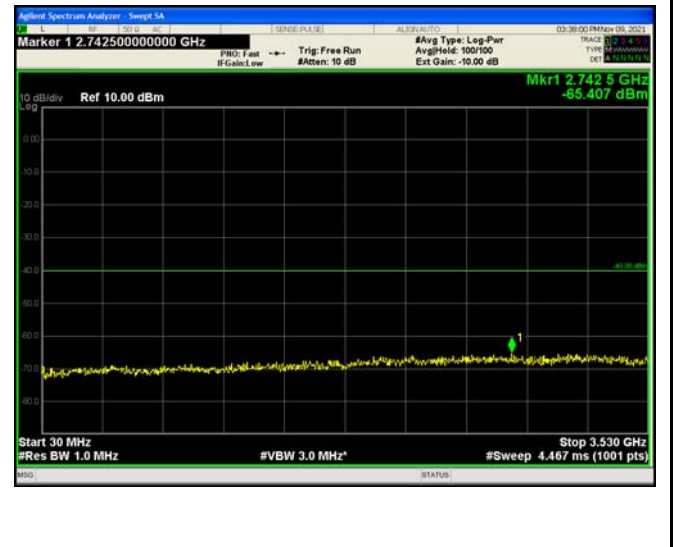
20MHz - Low CH 30MHz~3.53GHz



20MHz - Low CH 3.72GHz~26.5GHz



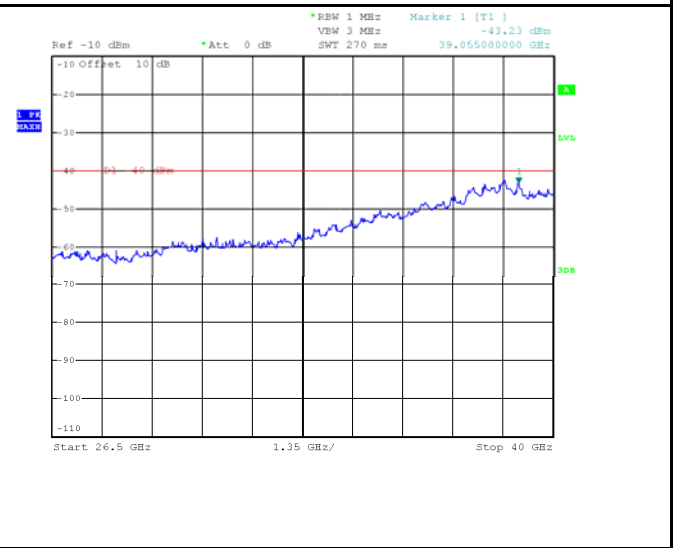
20MHz - Low CH 26.5GHz~40GHz



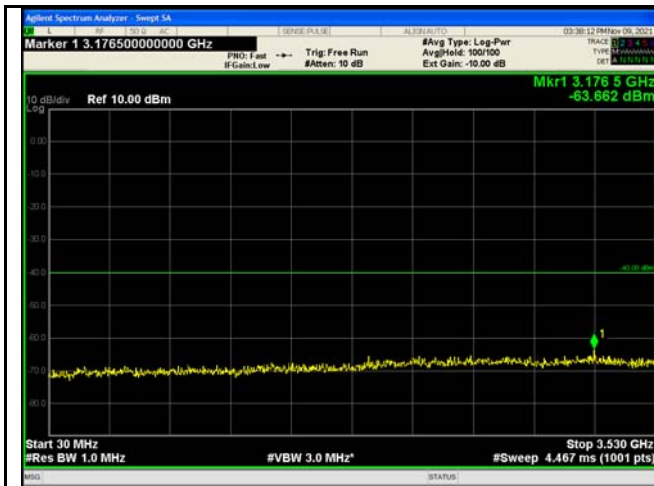
20MHz - Middle CH 30MHz~3.53GHz



20MHz - Middle CH 3.72GHz~26.5GHz



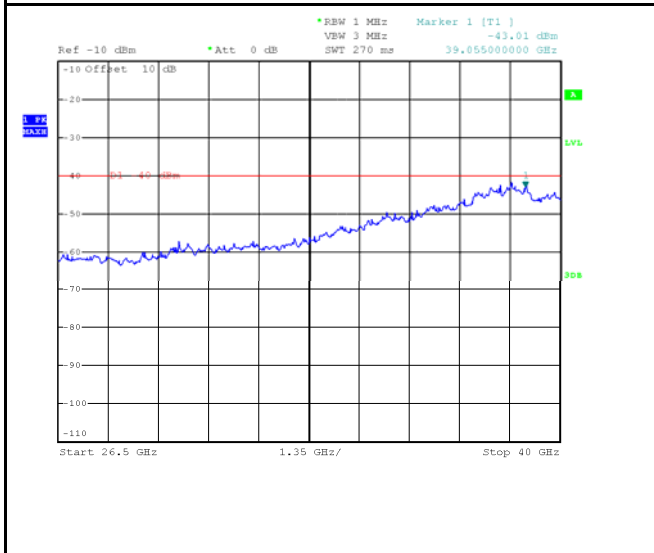
20MHz - Middle CH 26.5GHz~40GHz



20MHz - High CH 30MHz~3.53GHz



20MHz - High CH 3.72GHz~26.5GHz



20MHz - High CH 26.5GHz~40GHz

12 Field strength of spurious radiation measurement

| | |
|-------------------|---------------------------------------|
| Test Requirement: | FCC part 96.41(e) |
| Test Method: | ANSI/TIA-603-E:2016, ANSI C63.26:2015 |
| Test Mode: | Data communicating mode |
| Limit: | -40dBm |

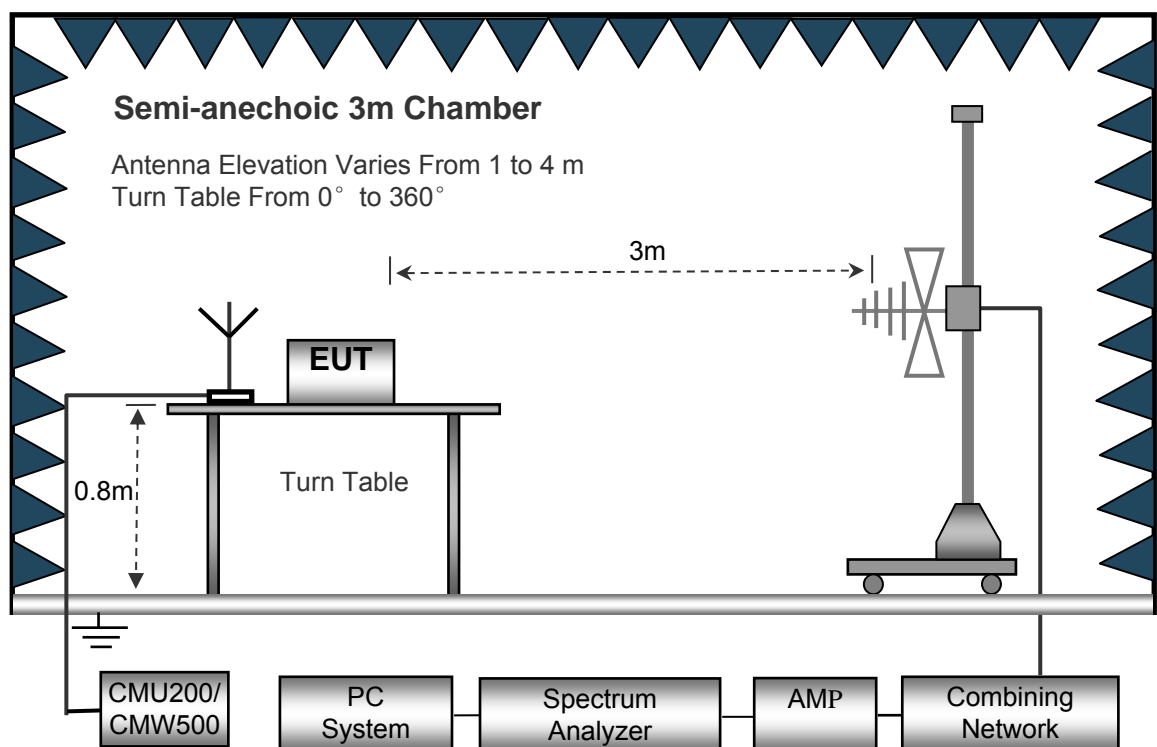
12.1 EUT Operation

Operating Environment :

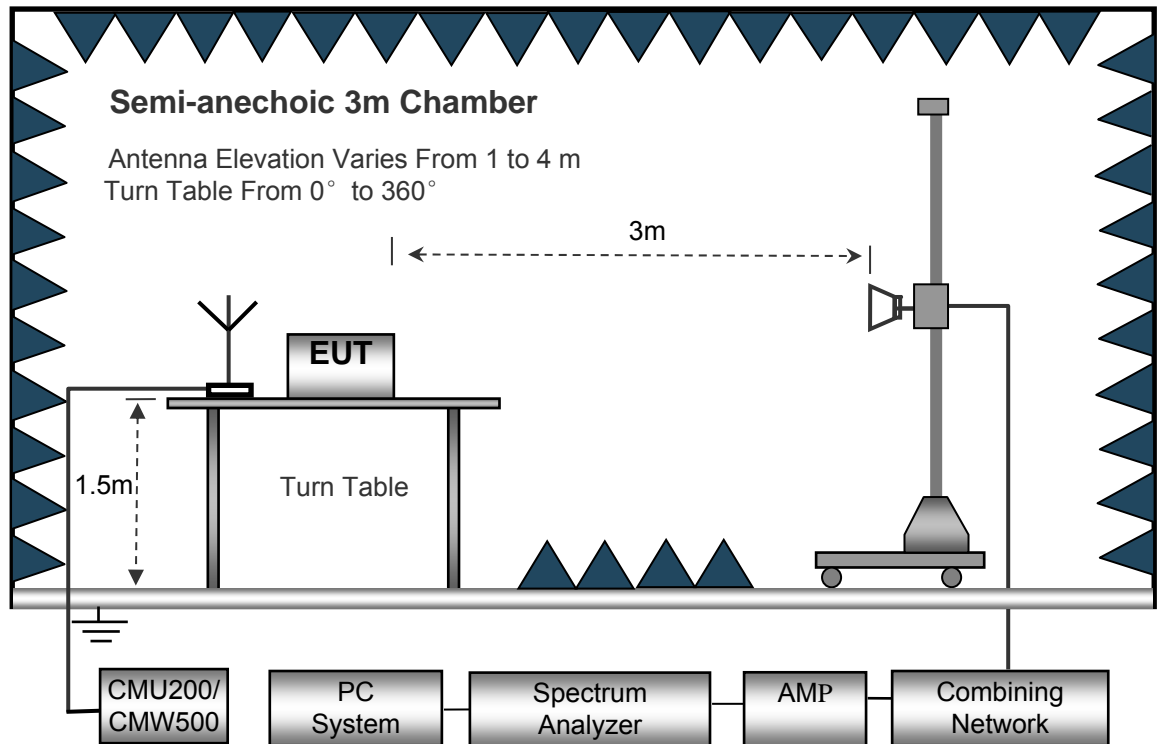
| | |
|-----------------------|-----------|
| Temperature: | 23.5 °C |
| Humidity: | 52.1 % RH |
| Atmospheric Pressure: | 101.2kPa |

12.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site. The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz.



12.3 Spectrum Analyzer Setup

30MHz ~ 1GHz

Sweep Speed Auto
 Detector PK
 Resolution Bandwidth..... 1MHz
 Video Bandwidth..... 3MHz

Above 1GHz

Sweep Speed Auto
 Detector PK
 Resolution Bandwidth..... 1MHz
 Video Bandwidth..... 3MHz

12.4 Test Procedure

1. The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.
2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.
3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.
4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

$$\text{ERP / EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$$

12.5 Test Result

30MHz-18GHz

Remark: During the test, pre-scan the QPSK, 64QAM modulation, and found the QPSK modulation and 20MHz bandwidth is the worst case.

| Frequency | Receiver Reading | Turn table Angle | RX Antenna | | Substituted | | | Absolute Level | Result | |
|----------------|------------------|------------------|------------|-------|-------------|-------|--------------|----------------|--------|--------|
| | | | Height | Polar | SG Level | Cable | Antenna Gain | | Limit | Margin |
| (MHz) | (dB μ V) | Degree | (m) | (H/V) | (dBm) | (dB) | (dB) | (dBm) | (dBm) | (dB) |
| Low channel | | | | | | | | | | |
| 223.12 | 58.94 | 64 | 1.5 | H | -51.57 | 0.15 | 0.00 | -51.72 | -40.00 | -11.72 |
| 223.12 | 59.16 | 348 | 1.9 | V | -48.43 | 0.15 | 0.00 | -48.58 | -40.00 | -8.58 |
| 1247.30 | 57.60 | 216 | 1.6 | H | -53.94 | 2.37 | 12.50 | -43.81 | -40.00 | -3.81 |
| 1247.30 | 55.80 | 289 | 1.2 | V | -54.01 | 2.37 | 12.50 | -43.88 | -40.00 | -3.88 |
| 5553.75 | 53.58 | 343 | 1.1 | H | -56.03 | 2.86 | 12.90 | -45.99 | -40.00 | -5.99 |
| 5553.75 | 44.73 | 359 | 1.6 | V | -64.15 | 2.86 | 12.90 | -54.11 | -40.00 | -14.11 |
| Middle channel | | | | | | | | | | |
| 223.12 | 57.76 | 337 | 1.8 | H | -52.75 | 0.15 | 0.00 | -52.90 | -40.00 | -12.90 |
| 223.12 | 58.38 | 109 | 1.0 | V | -49.21 | 0.15 | 0.00 | -49.36 | -40.00 | -9.36 |
| 1251.50 | 55.30 | 175 | 2.0 | H | -56.24 | 2.37 | 12.50 | -46.11 | -40.00 | -6.11 |
| 1251.50 | 56.30 | 298 | 1.3 | V | -53.51 | 2.37 | 12.50 | -43.38 | -40.00 | -3.38 |
| 5640.00 | 53.58 | 217 | 2.0 | H | -56.03 | 2.86 | 12.90 | -45.99 | -40.00 | -5.99 |
| 5640.00 | 44.73 | 27 | 1.5 | V | -64.15 | 2.86 | 12.90 | -54.11 | -40.00 | -14.11 |
| High channel | | | | | | | | | | |
| 223.12 | 59.13 | 144 | 1.1 | H | -51.38 | 0.15 | 0.00 | -51.53 | -40.00 | -11.53 |
| 223.12 | 58.65 | 11 | 2.1 | V | -48.94 | 0.15 | 0.00 | -49.09 | -40.00 | -9.09 |
| 1250.50 | 53.90 | 189 | 1.9 | H | -57.64 | 2.37 | 12.50 | -47.51 | -40.00 | -7.51 |
| 1250.50 | 50.90 | 327 | 1.1 | V | -58.91 | 2.37 | 12.50 | -48.78 | -40.00 | -8.78 |
| 5726.25 | 53.58 | 1 | 1.1 | H | -56.03 | 2.86 | 12.90 | -45.99 | -40.00 | -5.99 |
| 5726.25 | 44.73 | 233 | 1.9 | V | -64.15 | 2.86 | 12.90 | -54.11 | -40.00 | -14.11 |

Remark:

Test Frequency: 18GHz~40GHz

The measurements were more than 20 dB below the limit and not recorded.

13 Frequency stability V.S. Temperature measurement

Test Requirement: FCC Part2.1055
 Test Method: FCC Part2.1055
 Test Mode: Data communicating mode
 Limit:

| Frequency range (MHz) | Fixed and base stations (ppm) | Mobile stations (ppm) | |
|-----------------------|-------------------------------|---------------------------|------------------------------|
| | | Over 2 watts output power | 2 watts or less output power |
| Below 25 | 100 | 100 | 200 |
| 25-50 | 20 | 20 | 50 |
| 72-76 | 5 | | 50 |
| 150-174 | 5 | 5 | 50 |
| 216-220 | 1.0 | | 1.0 |
| 220-222 | 0.1 | 1.5 | 1.5 |
| 421-512 | 2.5 | 5 | 5 |
| 806-809 | 1.0 | 1.5 | 1.5 |
| 809-824 | 1.5 | 2.5 | 2.5 |
| 851-854 | 1.0 | 1.5 | 1.5 |
| 854-869 | 1.5 | 2.5 | 2.5 |
| 896-901 | 0.1 | 1.5 | 1.5 |
| 902-928 | 2.5 | 2.5 | 2.5 |
| 902-928 | 2.5 | 2.5 | 2.5 |
| 929-930 | 1.5 | | |
| 935-940 | 0.1 | 1.5 | 1.5 |
| 1427-1435 | 300 | 300 | 300 |
| Above 2450 | | | |

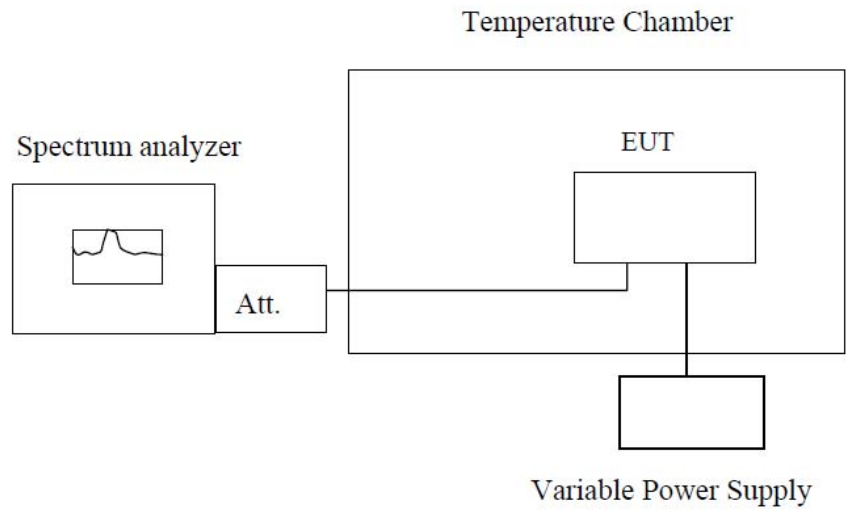
13.1 EUT Operation

Operating Environment :

Temperature: 23.6 °C
 Humidity: 52.2 % RH
 Atmospheric Pressure: 101.3kPa

13.2 Test Procedure

1. The equipment under test was connected to an external DC power supply and input rated voltage.
2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators.
3. The EUT was placed inside the temperature chamber.
4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency.
5. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency.
6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.



Note : Measurement setup for testing on Antenna connector

13.3 Test Result

Remark: All three channels of all modulations have been tested, but only the worst channel and the worst modulation show in this test item.

Chain 0

| Test Frequency: 3555MHz QPSK 10MHz | | | |
|------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| -30 | 120 | 97 | 0.0273 |
| -20 | | 100 | 0.0281 |
| -10 | | 99 | 0.0278 |
| 0 | | 102 | 0.0287 |
| 10 | | 101 | 0.0284 |
| 20 | | 100 | 0.0281 |
| 30 | | 104 | 0.0293 |
| 40 | | 96 | 0.0270 |
| 50 | | 101 | 0.0284 |

| Test Frequency: 3557.5MHz QPSK 15MHz | | | |
|--------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| -30 | 120 | 108 | 0.0304 |
| -20 | | 102 | 0.0287 |
| -10 | | 105 | 0.0295 |
| 0 | | 105 | 0.0295 |
| 10 | | 108 | 0.0304 |
| 20 | | 107 | 0.0301 |
| 30 | | 105 | 0.0295 |
| 40 | | 97 | 0.0273 |
| 50 | | 105 | 0.0295 |

| Test Frequency: 3560MHz QPSK 20MHz | | | |
|------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| -30 | 120 | 107 | 0.0301 |
| -20 | | 103 | 0.0289 |
| -10 | | 99 | 0.0278 |
| 0 | | 103 | 0.0289 |
| 10 | | 94 | 0.0264 |
| 20 | | 107 | 0.0301 |
| 30 | | 104 | 0.0292 |
| 40 | | 106 | 0.0298 |
| 50 | | 103 | 0.0289 |

Chain 1

| Test Frequency: 3555MHz QPSK 10MHz | | | |
|------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| -30 | 120 | 107 | 0.0301 |
| -20 | | 105 | 0.0295 |
| -10 | | 102 | 0.0287 |
| 0 | | 104 | 0.0293 |
| 10 | | 110 | 0.0309 |
| 20 | | 108 | 0.0304 |
| 30 | | 108 | 0.0304 |
| 40 | | 106 | 0.0298 |
| 50 | | 111 | 0.0312 |

| Test Frequency: 3557.5MHz QPSK 15MHz | | | |
|--------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| -30 | 120 | 109 | 0.0306 |
| -20 | | 105 | 0.0295 |
| -10 | | 97 | 0.0273 |
| 0 | | 101 | 0.0284 |
| 10 | | 98 | 0.0275 |
| 20 | | 105 | 0.0295 |
| 30 | | 94 | 0.0264 |
| 40 | | 100 | 0.0281 |
| 50 | | 101 | 0.0284 |

| Test Frequency: 3560MHz QPSK 20MHz | | | |
|------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| -30 | 120 | 109 | 0.0306 |
| -20 | | 110 | 0.0309 |
| -10 | | 106 | 0.0298 |
| 0 | | 106 | 0.0298 |
| 10 | | 106 | 0.0298 |
| 20 | | 108 | 0.0303 |
| 30 | | 113 | 0.0317 |
| 40 | | 105 | 0.0295 |
| 50 | | 99 | 0.0278 |

14 Frequency stability V.S. Voltage measurement

Test Requirement: FCC Part2.1055
 Test Method: FCC Part2.1055
 Test Mode: Data communicating mode
 Limit: FCC:

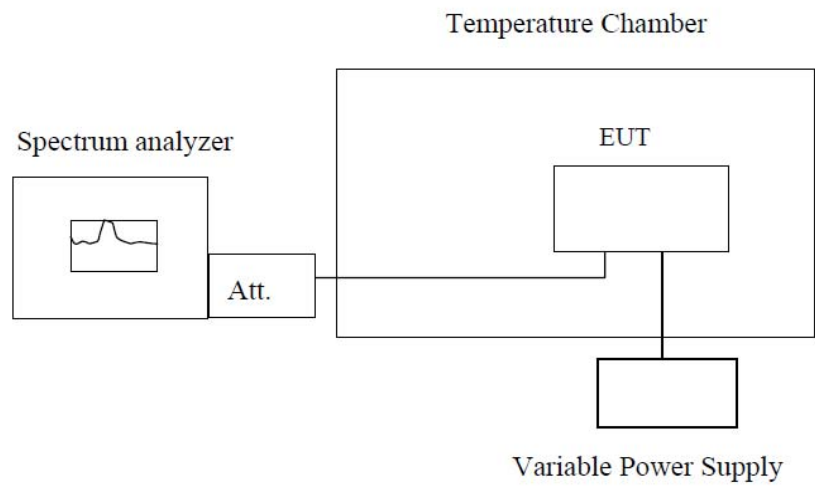
| Frequency range (MHz) | Fixed and base stations (ppm) | Mobile stations (ppm) | |
|-----------------------|-------------------------------|---------------------------|------------------------------|
| | | Over 2 watts output power | 2 watts or less output power |
| Below 25 | 100 | 100 | 200 |
| 25-50 | 20 | 20 | 50 |
| 72-76 | 5 | | 50 |
| 150-174 | 5 | 5 | 50 |
| 216-220 | 1.0 | | 1.0 |
| 220-222 | 0.1 | 1.5 | 1.5 |
| 421-512 | 2.5 | 5 | 5 |
| 806-809 | 1.0 | 1.5 | 1.5 |
| 809-824 | 1.5 | 2.5 | 2.5 |
| 851-854 | 1.0 | 1.5 | 1.5 |
| 854-869 | 1.5 | 2.5 | 2.5 |
| 896-901 | 0.1 | 1.5 | 1.5 |
| 902-928 | 2.5 | 2.5 | 2.5 |
| 902-928 | 2.5 | 2.5 | 2.5 |
| 929-930 | 1.5 | | |
| 935-940 | 0.1 | 1.5 | 1.5 |
| 1427-1435 | 300 | 300 | 300 |
| Above 2450 | | | |

14.1 EUT Operation

Operating Environment :
 Temperature: 23.7 °C
 Humidity: 52.9 % RH
 Atmospheric Pressure: 101.4kPa

14.2 Test Procedure

1. Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage.
2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.
3. Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.



Note : Measurement setup for testing on Antenna connector

14.3 Test Result

Remark: All three channels of all modulations have been tested, but only the worst channel and the worst modulation show in this test item.

Chain 0

| Test Frequency: 3555MHz QPSK 10MHz | | | |
|------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| 25 | 102 | 110 | 0.0309 |
| | 120 | 112 | 0.0315 |
| | 138 | 104 | 0.0293 |

| Test Frequency: 3557.5MHz QPSK 15MHz | | | |
|--------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| 25 | 102 | 110 | 0.0309 |
| | 120 | 109 | 0.0306 |
| | 138 | 106 | 0.0298 |

| Test Frequency: 3560MHz QPSK 20MHz | | | |
|------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| 25 | 102 | 103 | 0.0289 |
| | 120 | 116 | 0.0326 |
| | 138 | 110 | 0.0309 |

Chain 1

| Test Frequency: 3555MHz QPSK 10MHz | | | |
|------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| 25 | 102 | 116 | 0.0326 |
| | 120 | 108 | 0.0304 |
| | 138 | 105 | 0.0295 |

| Test Frequency: 3557.5MHz QPSK 15MHz | | | |
|--------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| 25 | 102 | 102 | 0.0287 |
| | 120 | 105 | 0.0295 |
| | 138 | 106 | 0.0298 |

| Test Frequency: 3560MHz QPSK 20MHz | | | |
|------------------------------------|--------------------|----------------------|-----------------------|
| Temperature (°C) | Power Supply (VAC) | Frequency Error (Hz) | Frequency Error (ppm) |
| 25 | 102 | 107 | 0.0301 |
| | 120 | 106 | 0.0298 |
| | 138 | 107 | 0.0301 |

15 Photographs of test setup and EUT.

Note: Please refer to appendix: EG8015G-M11-HP-EUD_Photos.

===== End of Report =====