



FCC CFR47 PART 22H, 24E, 27L, AND 90S

CERTIFICATION TEST REPORT

FOR

**Tablet with cellular GSM/GPRS/EGPRS/WCDMA/HSPA+/DC-HSDPA /CDMA 1xRTT
/1x Advanced/EV-DO Rev 0, A, B/LTE/IEEE 802.11a/b/g/n (MIMO 2x2) and
Bluetooth radio**

MODEL NUMBER: A1490

FCC ID: BCGA1490

REPORT NUMBER: 13U15668-1

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10. SETUP PHOTOS743

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: APPLE
1 INFINITE LOOP
CUPERTINA, CA, 95014, U.S.A.

EUT DESCRIPTION: Tablet with cellular GSM/GPRS/EGPRS/WCDMA/HSPA+/DC-HSDPA/CDMA1xRTT/1x Advanced/EV-DO Rev 0, A, B/LTE/IEEE 802.11a/b/g/n (MIMO 2x2) and Bluetooth radio

MODEL: A1490

SERIAL NUMBER: DLXL2008FN7N

DATE TESTED: AUGUST 07 – SEPTEMBER 13, 2013

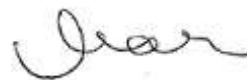
| APPLICABLE STANDARDS | |
|---------------------------------------|--------------|
| STANDARD | TEST RESULTS |
| FCC CFR47 PART 22H, 24E, 27L, and 90S | Pass |

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For UL CCS By:

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with TIA-603-C, FCC CFR 47 Part 2, Part 22, Part 24, Part 27, and Part 90.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

| 47173 Benicia Street | 47266 Benicia Street |
|------------------------------------|---|
| <input type="checkbox"/> Chamber A | <input checked="" type="checkbox"/> Chamber D |
| <input type="checkbox"/> Chamber B | <input checked="" type="checkbox"/> Chamber E |
| <input type="checkbox"/> Chamber C | <input type="checkbox"/> Chamber F |

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at <http://www.ccsenc.com>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamp Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m} \end{aligned}$$

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| PARAMETER | UNCERTAINTY |
|---------------------------------------|-------------|
| Conducted Disturbance, 0.15 to 30 MHz | 3.52 dB |
| Radiated Disturbance, 30 to 1000 MHz | 4.94 dB |

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The Apple iPad Model A1475 is a Tablet with cellular GSM/GPRS/EGPRS/WCDMA/HSPA+ DC-HSDPA/ CDMA 1xRTT/1x Advanced/EV-DO Rev 0, A, B/LTE/IEEE 802.11a/b/g/n (MIMO 2x2) and Bluetooth radio.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted and ERP / EIRP output powers as follows:

LTE BAND 2

| Part 24 LTE Band 2 | | | | | | |
|--------------------|-----------------|----------------|------------------|-------|------------|-------|
| Bandwidth (MHz) | Frequency Range | Modulation | Conducted (Peak) | | EIRP(Peak) | |
| | | | dBm | mW | dBm | mW |
| 1.4 | 1850.7 - 1909.3 | QPSK RB6-0 | 27.73 | 592.9 | 29.65 | 922.6 |
| | | 16QAM, RB6-0 | 27.72 | 591.6 | 28.65 | 732.8 |
| 3 | 1851.5-1908.5 | QPSK RB15-0 | 27.81 | 603.9 | 29.62 | 916.2 |
| | | 16QAM, RB15-0 | 27.49 | 561.0 | 28.62 | 727.8 |
| 5 | 1852.5-1907.5 | QPSK RB25-0 | 27.66 | 583.4 | 29.31 | 853.1 |
| | | 16QAM, RB25-0 | 27.35 | 543.3 | 28.37 | 687.1 |
| 10 | 1855.0-1905.0 | QPSK RB50-0 | 28.03 | 635.3 | 29.47 | 885.1 |
| | | 16QAM, RB50-0 | 27.84 | 608.1 | 28.43 | 696.6 |
| 15 | 1857.5-1902.5 | QPSK RB75-0 | 28.18 | 657.7 | 29.59 | 909.9 |
| | | 16QAM, RB75-0 | 28.02 | 633.9 | 28.59 | 722.8 |
| 20 | 1860.0-1900.0 | QPSK RB100-0 | 28.29 | 674.5 | 29.45 | 881.0 |
| | | 16QAM, RB100-0 | 28.10 | 645.7 | 28.40 | 691.8 |

LTE BAND 4

| Part 27 LTE Band 4 | | | | | | |
|--------------------|-----------------|----------------|-----------------|-------|------------|-------|
| Bandwidth (MHz) | Frequency Range | Modulation | Conducted(Peak) | | EIRP(Peak) | |
| | | | dBm | mW | dBm | mW |
| 1.4 | 1710.7-1754.3 | QPSK RB6-0 | 27.85 | 609.5 | 27.17 | 521.2 |
| | | 16QAM, RB6-0 | 27.96 | 625.2 | 26.23 | 419.8 |
| 3 | 1711.5-1753.5 | QPSK RB15-0 | 28.11 | 647.1 | 26.99 | 500.0 |
| | | 16QAM, RB15-0 | 28.09 | 644.2 | 25.94 | 392.6 |
| 5 | 1712.5-1752.5 | QPSK RB25-0 | 28.34 | 682.3 | 27.73 | 592.9 |
| | | 16QAM, RB25-0 | 28.07 | 641.2 | 26.74 | 472.1 |
| 10 | 1715.0-1750.0 | QPSK RB50-0 | 28.39 | 690.2 | 27.67 | 584.8 |
| | | 16QAM, RB50-0 | 28.26 | 669.9 | 26.72 | 469.9 |
| 15 | 1717.5-1747.5 | QPSK RB75-0 | 28.39 | 690.2 | 28.02 | 633.9 |
| | | 16QAM, RB75-0 | 28.17 | 656.1 | 27.04 | 505.8 |
| 20 | 1720.0-1745.0 | QPSK RB100-0 | 28.38 | 688.7 | 28.16 | 654.6 |
| | | 16QAM, RB100-0 | 28.20 | 660.7 | 27.28 | 534.6 |

LTE BAND 5

| Part 22 LTE Band 5 | | | | | | |
|--------------------|-----------------|---------------|---------------------|-------|--------------|------|
| Bandwidth (MHz) | Frequency Range | Modulation | Conducted (Average) | | ERP(Average) | |
| | | | dBm | mW | dBm | mW |
| 1.4 | 824.7-848.3 | QPSK RB6-0 | 23.90 | 245.5 | 19.44 | 87.9 |
| | | 16QAM, RB6-0 | 22.83 | 191.9 | 18.40 | 69.2 |
| 3 | 825.5-847.5 | QPSK RB15-0 | 23.93 | 247.2 | 19.42 | 87.5 |
| | | 16QAM, RB15-0 | 22.86 | 193.2 | 18.47 | 70.3 |
| 5 | 826.5-846.5 | QPSK RB25-0 | 23.97 | 249.5 | 19.32 | 85.5 |
| | | 16QAM, RB25-0 | 23.02 | 200.4 | 18.30 | 67.6 |
| 10 | 829.0-844.0 | QPSK RB50-0 | 23.97 | 249.5 | 19.33 | 85.7 |
| | | 16QAM, RB50-0 | 22.83 | 191.9 | 18.30 | 67.6 |

LTE BAND 13

| Part 27 LTE Band 13 | | | | | | |
|---------------------|-----------------|---------------|--------------------|-------|--------------|-------|
| Bandwidth (MHz) | Frequency Range | Modulation | Conducted(Average) | | ERP(Average) | |
| | | | dBm | mW | dBm | mW |
| 5 | 779.5-784.5 | QPSK RB25-0 | 24.00 | 251.2 | 20.70 | 117.5 |
| | | 16QAM, RB25-0 | 23.10 | 204.2 | 19.80 | 95.5 |
| 10 | 782.0 | QPSK RB50-0 | 24.00 | 251.2 | 20.30 | 107.2 |
| | | 16QAM, RB50-0 | 23.10 | 204.2 | 19.40 | 87.1 |

LTE BAND 17

| Part 27 LTE Band 17 | | | | | | |
|---------------------|-----------------|--------------|--------------------|-------|--------------|-------|
| Bandwidth (MHz) | Frequency Range | Modulation | Conducted(Average) | | ERP(Average) | |
| | | | dBm | mW | dBm | mW |
| 5 | 706-713.5 | QPSK RB1-0 | 24.88 | 307.6 | 20.50 | 112.2 |
| | | 16QAM, RB1-0 | 23.83 | 241.5 | 19.50 | 89.1 |
| 10 | 709.0-711.0 | QPSK RB1-0 | 24.80 | 302.0 | 20.40 | 109.6 |
| | | 16QAM, RB1-0 | 23.68 | 233.3 | 19.40 | 87.1 |

LTE BAND 25

| Part 24 LTE Band 25 | | | | | | |
|---------------------|-----------------|----------------|------------------|-------|-------------|-------|
| Bandwidth (MHz) | Frequency Range | Modulation | Conducted (Peak) | | EIRP (Peak) | |
| | | | dBm | mW | dBm | mW |
| 1.4 | 1850.7 - 1914.3 | QPSK RB6-0 | 27.61 | 576.8 | 28.55 | 716.1 |
| | | 16QAM, RB6-0 | 27.53 | 566.2 | 27.75 | 595.7 |
| 3 | 1851.5-1913.5 | QPSK RB15-0 | 27.88 | 613.8 | 28.45 | 699.8 |
| | | 16QAM, RB15-0 | 27.25 | 530.9 | 28.17 | 656.1 |
| 5 | 1852.5-1912.5 | QPSK RB25-0 | 27.67 | 584.8 | 29.15 | 822.2 |
| | | 16QAM, RB25-0 | 27.40 | 549.5 | 28.25 | 668.3 |
| 10 | 1855.0-1910.0 | QPSK RB50-0 | 27.48 | 559.8 | 29.25 | 841.4 |
| | | 16QAM, RB50-0 | 27.36 | 544.5 | 28.35 | 683.9 |
| 15 | 1857.5-1907.5 | QPSK RB75-0 | 27.96 | 625.2 | 29.35 | 861.0 |
| | | 16QAM, RB75-0 | 27.54 | 567.5 | 28.55 | 716.1 |
| 20 | 1860.0-1905.0 | QPSK RB100-0 | 28.06 | 639.7 | 29.55 | 901.6 |
| | | 16QAM, RB100-0 | 27.79 | 601.2 | 28.65 | 732.8 |

LTE BAND 26

| Part 22 LTE Band 26 | | | | | | |
|---------------------|-----------------|--------------|---------------------|-------|--------------|-------|
| Bandwidth (MHz) | Frequency Range | Modulation | Conducted (Average) | | ERP(Average) | |
| | | | dBm | mW | dBm | mW |
| 3 | 820.3-822.3 | QPSK RB1-0 | 23.46 | 221.8 | 20.30 | 107.2 |
| | | 16QAM, RB1-0 | 22.44 | 175.4 | 19.30 | 85.1 |
| 5 | 818.8-823.8 | QPSK RB1-0 | 23.50 | 223.9 | 20.20 | 104.7 |
| | | 16QAM, RB1-0 | 22.53 | 179.1 | 19.30 | 85.1 |

5.3. SOFTWARE AND FIRMWARE

The firmware installed in the EUT during testing was version 11B433.

The EUT is linked to CMW500 Test Set during test.

5.4. MAXIMUM ANTENNA GAIN

Please see table below:

| LTE BANDS | Antenna Gain (dBi) |
|-------------------------------|--------------------|
| LTE Band 2, 1850-1910MHz | 2.15 |
| LTE Band 4, 1710 – 1755MHz | 1.47 |
| LTE Band 5, 824 – 849MHz | -2.95 |
| LTE Band 13, 777 -787MHz | -3.44 |
| LTE Band 17, 704 – 716MHz | -4.54 |
| LTE Band 25, 1850 – 1915MHz | 2.15 |
| LTE Band 26, 818.8 – 823.8MHz | -2.92 |

5.5. WORST-CASE CONFIGURATION AND MODE

The worst-case scenario for all measurements is based on the investigation results.

The device has LTE Bands of 2, 4, 5, 13, 17, 25 and 26.

For the fundamental investigation of radiated emissions, the EUT is investigated for vertical and horizontal antenna orientations and X Y and Z orientation with and without AC Adapter and headset and the worst case was determined to be at X orientation for pcs bands and X orientation for cell bands without AC Adapter and headset.

5.6. DESCRIPTION OF TEST SETUP

RADIATED TESTS SUPPORT EQUIPMENT

| Support Equipment List | | | | |
|------------------------|--------------|---------|---------------|--------|
| Description | Manufacturer | Model | Serial Number | FCC ID |
| AC/DC Adapter | Apple | A1357 | A12981EA | DoC |
| DC Power Supply | Sorensen | XT 15-4 | 1319A02780 | NA |

I/O CABLES (RF Conducted Test)

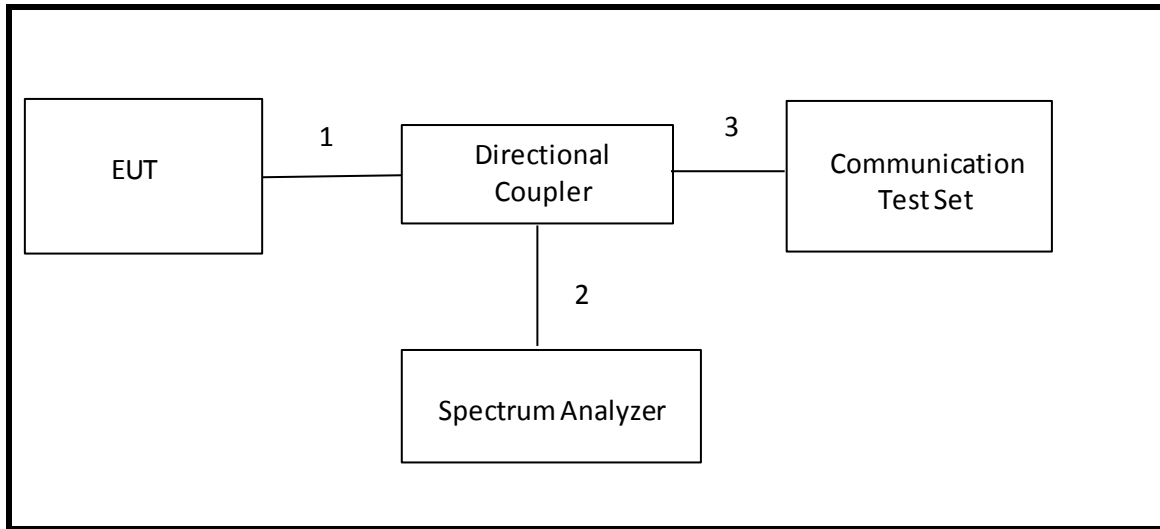
| I/O CABLE LIST | | | | | | |
|----------------|-----------|----------------------|-------------------------|-------------|--------------|---------|
| Cable No. | Port | # of Identical Ports | Connector Type | Cable Type | Cable Length | Remarks |
| 1 | RFOut | 1 | Directional Coupler | Un-shielded | 0.1m | NA |
| 2 | RF In/Out | 1 | Spectrum Analyzer | Un-shielded | None | NA |
| 3 | RF In/Out | 1 | Communications Test Set | Un-shielded | 1.2m | NA |

I/O CABLES (RF Radiated Test)

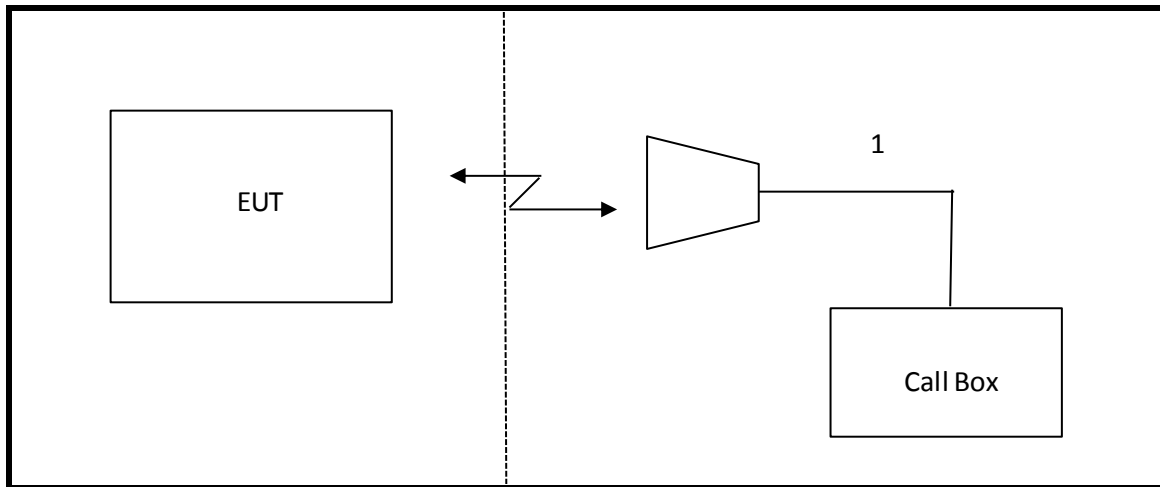
| I/O CABLE LIST | | | | | | |
|----------------|-----------|----------------------|----------------|-------------|--------------|---------|
| Cable No. | Port | # of Identical Ports | Connector Type | Cable Type | Cable Length | Remarks |
| 1 | RF In/Out | 1 | Antenna | Un-shielded | 5m | NA |

TEST SETUP

CONDUCTED SETUP DIAGRAM FOR TESTS



RADIATED SETUP DIAGRAM FOR TESTS



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

| TEST EQUIPMENT LIST | | | | |
|------------------------------------|---------------|--------------|--------|----------|
| Description | Manufacturer | Model | Asset | Cal Due |
| Spectrum Analyzer, 44GHz | Agilent | N9030A | F00129 | 02/21/14 |
| Directional Coupler | Krytar | 1817 | N02656 | CNR |
| Communication Test Set | R & S | CMW500 | F00014 | 02/21/14 |
| Temperature / Humidity Chamber | Thermotron | SE 600-10-10 | C00930 | 01/09/14 |
| Antenna, Tuned Dipole 400~1000 MHz | ETS | 3121C DB4 | C00993 | 02/14/14 |
| Vector signal generator, 6 GHz | Agilent / HP | E4438C | F00037 | 07/06/14 |
| Highpass Filter, 2.7 GHz | Micro-Tronics | HPM13194 | N02686 | CNR |
| Highpass Filter, 1.5 GHz | Micro-Tronics | HPM13193 | N02688 | CNR |
| Bilog, 30-1GHz | Sunol Science | A0222813-1 | C01011 | 03/07/14 |
| Peak Power Meter | Boonton | 4541 | C01189 | 06/20/14 |
| Peak Power Sensor | Boonton | 57006 | C01202 | 05/29/14 |
| Horn Antenna | ETS Lindgren | 3117 | F00131 | 02/19/14 |
| PreAmp 1-18GHz | Agilent/HP | 8449B | C01063 | 03/18/14 |
| PreAmp 30-1000MHz | Sonama | 310 | 981661 | 11/06/13 |

7. RF POWER OUTPUT VERIFICATION

7.1. LTE BAND 2

Output power for LTE Band 2 (1.4MHz)

| Bandwidth | UL Channel | Frequency | Modulation | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|------------|---------|-----------|----------------------|---------|
| 1.4 | 18607 | 1850.7 | QPSK | 1 | 0 | 27.34 | 22.69 |
| | | | | 1 | 2 | 27.20 | 22.70 |
| | | | | 1 | 5 | 27.11 | 22.74 |
| | | | | 3 | 0 | 27.51 | 22.65 |
| | | | | 3 | 1 | 27.34 | 22.69 |
| | | | | 3 | 2 | 27.28 | 22.72 |
| | | | | 6 | 0 | 26.96 | 21.71 |
| | | | 16QAM | 1 | 0 | 26.96 | 21.71 |
| | | | | 1 | 2 | 26.54 | 21.66 |
| | | | | 1 | 5 | 26.60 | 21.74 |
| | | | | 3 | 0 | 27.36 | 21.60 |
| | | | | 3 | 1 | 27.15 | 21.65 |
| | | | | 3 | 2 | 26.97 | 21.62 |
| | | | | 6 | 0 | 26.73 | 20.66 |
| 1.4 | 18900 | 1880 | QPSK | 1 | 0 | 27.32 | 23.00 |
| | | | | 1 | 2 | 27.23 | 22.97 |
| | | | | 1 | 5 | 27.19 | 23.00 |
| | | | | 3 | 0 | 27.56 | 22.97 |
| | | | | 3 | 1 | 27.37 | 22.95 |
| | | | | 3 | 2 | 27.35 | 23.02 |
| | | | | 6 | 0 | 27.10 | 22.02 |
| | | | 16QAM | 1 | 0 | 26.67 | 21.95 |
| | | | | 1 | 2 | 26.62 | 21.95 |
| | | | | 1 | 5 | 26.60 | 22.04 |
| | | | | 3 | 0 | 27.01 | 21.82 |
| | | | | 3 | 1 | 26.78 | 21.83 |
| | | | | 3 | 2 | 26.74 | 21.80 |
| | | | | 6 | 0 | 26.58 | 20.95 |
| 1.4 | 19193 | 1909.3 | QPSK | 1 | 0 | 27.37 | 22.79 |
| | | | | 1 | 2 | 27.43 | 22.79 |
| | | | | 1 | 5 | 27.51 | 22.70 |
| | | | | 3 | 0 | 27.73 | 22.74 |
| | | | | 3 | 1 | 27.68 | 22.85 |
| | | | | 3 | 2 | 27.72 | 22.83 |
| | | | | 6 | 0 | 27.35 | 21.86 |
| | | | 16QAM | 1 | 0 | 27.13 | 21.77 |
| | | | | 1 | 2 | 27.14 | 21.77 |
| | | | | 1 | 5 | 27.23 | 21.74 |
| | | | | 3 | 0 | 27.72 | 21.66 |
| | | | | 3 | 1 | 27.60 | 21.67 |
| | | | | 3 | 2 | 27.67 | 21.71 |
| | | | | 6 | 0 | 27.21 | 20.84 |

Output power for LTE Band 2 (3 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 3.0 | 18615 | 1851.5 | QPSK | 1 | 0 | 27.30 | 22.78 |
| | | | | 1 | 7 | 26.98 | 22.86 |
| | | | | 1 | 14 | 26.83 | 22.81 |
| | | | | 8 | 0 | 26.94 | 21.77 |
| | | | | 8 | 4 | 26.75 | 21.81 |
| | | | | 8 | 7 | 26.95 | 21.89 |
| | | | | 15 | 0 | 27.46 | 21.82 |
| | | | 16QAM | 1 | 0 | 26.98 | 21.71 |
| | | | | 1 | 7 | 26.72 | 21.80 |
| | | | | 1 | 14 | 26.63 | 21.76 |
| | | | | 8 | 0 | 26.38 | 20.69 |
| | | | | 8 | 4 | 26.13 | 20.79 |
| | | | | 8 | 7 | 26.03 | 20.74 |
| | | | | 15 | 0 | 26.92 | 20.77 |
| 3.0 | 18900 | 1880 | QPSK | 1 | 0 | 27.43 | 23.00 |
| | | | | 1 | 7 | 27.22 | 23.00 |
| | | | | 1 | 14 | 27.12 | 23.00 |
| | | | | 8 | 0 | 26.97 | 22.08 |
| | | | | 8 | 4 | 26.83 | 22.04 |
| | | | | 8 | 7 | 26.94 | 22.08 |
| | | | | 15 | 0 | 27.44 | 22.01 |
| | | | 16QAM | 1 | 0 | 26.83 | 22.09 |
| | | | | 1 | 7 | 26.62 | 21.99 |
| | | | | 1 | 14 | 26.53 | 21.99 |
| | | | | 8 | 0 | 26.33 | 21.07 |
| | | | | 8 | 4 | 26.03 | 21.06 |
| | | | | 8 | 7 | 26.10 | 21.02 |
| | | | | 15 | 0 | 26.95 | 21.00 |
| 3.0 | 19185 | 1908.5 | QPSK | 1 | 0 | 27.27 | 22.87 |
| | | | | 1 | 7 | 27.34 | 22.91 |
| | | | | 1 | 14 | 27.61 | 22.83 |
| | | | | 8 | 0 | 27.28 | 21.98 |
| | | | | 8 | 4 | 27.35 | 21.98 |
| | | | | 8 | 7 | 27.38 | 21.97 |
| | | | | 15 | 0 | 27.81 | 22.02 |
| | | | 16QAM | 1 | 0 | 26.98 | 21.91 |
| | | | | 1 | 7 | 27.21 | 21.97 |
| | | | | 1 | 14 | 27.34 | 21.86 |
| | | | | 8 | 0 | 26.81 | 20.94 |
| | | | | 8 | 4 | 26.88 | 20.96 |
| | | | | 8 | 7 | 26.95 | 20.93 |
| | | | | 15 | 0 | 27.49 | 20.95 |

Output power for LTE Band 2 (5 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 5.0 | 18625 | 1852.5 | QPSK | 1 | 0 | 26.98 | 22.81 |
| | | | | 1 | 12 | 26.64 | 22.92 |
| | | | | 1 | 24 | 26.58 | 22.97 |
| | | | | 12 | 0 | 26.66 | 21.73 |
| | | | | 12 | 6 | 26.36 | 21.80 |
| | | | | 12 | 11 | 26.40 | 21.82 |
| | | | | 25 | 0 | 27.11 | 21.75 |
| | | | 16QAM | 1 | 0 | 27.09 | 21.82 |
| | | | | 1 | 12 | 26.60 | 21.89 |
| | | | | 1 | 24 | 26.56 | 21.84 |
| | | | | 12 | 0 | 26.34 | 20.77 |
| | | | | 12 | 6 | 26.01 | 20.85 |
| | | | | 12 | 11 | 26.01 | 20.89 |
| | | | | 25 | 0 | 26.59 | 20.65 |
| 5.0 | 18900 | 1880 | QPSK | 1 | 0 | 27.32 | 23.00 |
| | | | | 1 | 12 | 27.05 | 23.00 |
| | | | | 1 | 24 | 26.90 | 23.00 |
| | | | | 12 | 0 | 27.13 | 22.05 |
| | | | | 12 | 6 | 26.80 | 22.01 |
| | | | | 12 | 11 | 26.80 | 22.09 |
| | | | | 25 | 0 | 27.58 | 22.03 |
| | | | 16QAM | 1 | 0 | 26.99 | 22.09 |
| | | | | 1 | 12 | 26.72 | 22.04 |
| | | | | 1 | 24 | 26.98 | 22.18 |
| | | | | 12 | 0 | 26.76 | 21.21 |
| | | | | 12 | 6 | 26.29 | 21.10 |
| | | | | 12 | 11 | 26.32 | 21.09 |
| | | | | 25 | 0 | 27.11 | 20.89 |
| 5.0 | 19175 | 1907.5 | QPSK | 1 | 0 | 27.06 | 22.82 |
| | | | | 1 | 12 | 26.97 | 22.91 |
| | | | | 1 | 24 | 27.28 | 22.83 |
| | | | | 12 | 0 | 27.16 | 21.83 |
| | | | | 12 | 6 | 27.26 | 21.92 |
| | | | | 12 | 11 | 27.36 | 21.93 |
| | | | | 25 | 0 | 27.66 | 21.70 |
| | | | 16QAM | 1 | 0 | 26.98 | 21.77 |
| | | | | 1 | 12 | 26.97 | 21.90 |
| | | | | 1 | 24 | 27.35 | 21.87 |
| | | | | 12 | 0 | 26.78 | 20.86 |
| | | | | 12 | 6 | 26.81 | 20.96 |
| | | | | 12 | 11 | 26.97 | 20.93 |
| | | | | 25 | 0 | 27.27 | 20.73 |

Output power for LTE Band 2 (10 MHz)

| Bandwidth (MHz) | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 10.0 | 18650 | 1855 | QPSK | 1 | 0 | 27.18 | 22.79 |
| | | | | 1 | 24 | 26.63 | 22.83 |
| | | | | 1 | 49 | 27.12 | 22.78 |
| | | | | 25 | 0 | 26.39 | 21.68 |
| | | | | 25 | 12 | 26.13 | 21.75 |
| | | | | 25 | 24 | 26.37 | 21.71 |
| | | | | 50 | 0 | 27.21 | 21.70 |
| | | | 16QAM | 1 | 0 | 26.55 | 21.72 |
| | | | | 1 | 24 | 26.45 | 21.94 |
| | | | | 1 | 49 | 26.50 | 21.71 |
| | | | | 25 | 0 | 26.32 | 20.81 |
| | | | | 25 | 12 | 25.66 | 20.79 |
| | | | | 25 | 24 | 25.72 | 20.66 |
| | | | | 50 | 0 | 26.62 | 20.63 |
| 10.0 | 18900 | 1880 | QPSK | 1 | 0 | 27.77 | 22.94 |
| | | | | 1 | 24 | 27.15 | 23.00 |
| | | | | 1 | 49 | 26.98 | 22.82 |
| | | | | 25 | 0 | 27.07 | 21.87 |
| | | | | 25 | 12 | 26.68 | 21.93 |
| | | | | 25 | 24 | 26.64 | 21.87 |
| | | | | 50 | 0 | 27.39 | 21.81 |
| | | | 16QAM | 1 | 0 | 27.15 | 21.94 |
| | | | | 1 | 24 | 26.75 | 22.01 |
| | | | | 1 | 49 | 26.38 | 21.77 |
| | | | | 25 | 0 | 26.41 | 20.89 |
| | | | | 25 | 12 | 26.17 | 20.94 |
| | | | | 25 | 24 | 26.44 | 20.90 |
| | | | | 50 | 0 | 26.69 | 20.69 |
| 10.0 | 19150 | 1905 | QPSK | 1 | 0 | 28.03 | 22.71 |
| | | | | 1 | 24 | 27.24 | 22.78 |
| | | | | 1 | 49 | 27.53 | 22.82 |
| | | | | 25 | 0 | 27.45 | 21.62 |
| | | | | 25 | 12 | 27.09 | 21.64 |
| | | | | 25 | 24 | 27.30 | 21.81 |
| | | | | 50 | 0 | 27.87 | 21.63 |
| | | | 16QAM | 1 | 0 | 27.70 | 21.73 |
| | | | | 1 | 24 | 26.93 | 21.80 |
| | | | | 1 | 49 | 27.25 | 21.83 |
| | | | | 25 | 0 | 27.30 | 20.67 |
| | | | | 25 | 12 | 26.86 | 20.62 |
| | | | | 25 | 24 | 26.92 | 20.78 |
| | | | | 50 | 0 | 27.84 | 20.54 |

Output power for LTE Band 2 (15 MHz)

| Bandwidth (MHz) | UL Channel | Modulation | | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------------|------------|------------|--------|---------|-----------|----------------------|---------|
| 15 | 18675 | 1857.5 | QPSK | 1 | 0 | 27.04 | 22.66 |
| | | | | 1 | 37 | 26.68 | 22.73 |
| | | | | 1 | 74 | 28.01 | 22.81 |
| | | | | 36 | 0 | 26.44 | 21.64 |
| | | | | 36 | 16 | 26.26 | 21.56 |
| | | | | 36 | 35 | 26.86 | 21.63 |
| | | | | 75 | 0 | 27.37 | 21.58 |
| | | | 16-QAM | 1 | 0 | 26.33 | 21.60 |
| | | | | 1 | 37 | 26.06 | 21.65 |
| | | | | 1 | 74 | 27.40 | 21.73 |
| | | | | 36 | 0 | 25.92 | 20.51 |
| | | | | 36 | 16 | 25.51 | 20.53 |
| | | | | 36 | 35 | 26.25 | 20.63 |
| | | | | 75 | 0 | 26.61 | 20.57 |
| 15 | 18900 | 1880.0 | QPSK | 1 | 0 | 28.08 | 22.86 |
| | | | | 1 | 37 | 27.14 | 23.00 |
| | | | | 1 | 74 | 27.17 | 22.93 |
| | | | | 36 | 0 | 27.29 | 21.90 |
| | | | | 36 | 16 | 26.75 | 21.81 |
| | | | | 36 | 35 | 26.65 | 21.72 |
| | | | | 75 | 0 | 27.53 | 21.71 |
| | | | 16-QAM | 1 | 0 | 27.45 | 21.79 |
| | | | | 1 | 37 | 27.00 | 22.11 |
| | | | | 1 | 74 | 26.56 | 21.90 |
| | | | | 36 | 0 | 27.32 | 20.85 |
| | | | | 36 | 16 | 26.55 | 20.87 |
| | | | | 36 | 35 | 26.45 | 20.73 |
| | | | | 75 | 0 | 27.24 | 20.78 |
| 15 | 19125 | 1902.5 | QPSK | 1 | 0 | 28.18 | 22.61 |
| | | | | 1 | 37 | 27.65 | 22.77 |
| | | | | 1 | 74 | 27.52 | 22.86 |
| | | | | 36 | 0 | 27.89 | 21.63 |
| | | | | 36 | 16 | 27.57 | 21.65 |
| | | | | 36 | 35 | 27.28 | 21.70 |
| | | | | 75 | 0 | 27.97 | 21.64 |
| | | | 16-QAM | 1 | 0 | 27.89 | 21.62 |
| | | | | 1 | 37 | 27.27 | 21.68 |
| | | | | 1 | 74 | 27.22 | 21.86 |
| | | | | 36 | 0 | 28.02 | 20.66 |
| | | | | 36 | 16 | 27.62 | 20.60 |
| | | | | 36 | 35 | 27.20 | 20.61 |
| | | | | 75 | 0 | 27.70 | 20.58 |

Output power for LTE Band 2 (20 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|--------|---------|-----------|----------------------|---------|
| 20 | 18700 | 1860 | QPSK | 1 | 0 | 26.93 | 22.67 |
| | | | | 1 | 49 | 27.14 | 22.74 |
| | | | | 1 | 99 | 28.29 | 22.82 |
| | | | | 50 | 0 | 26.48 | 21.56 |
| | | | | 50 | 24 | 26.79 | 21.59 |
| | | | | 50 | 49 | 27.67 | 21.63 |
| | | | | 100 | 0 | 27.51 | 21.65 |
| | | | 16-QAM | 1 | 0 | 26.25 | 21.65 |
| | | | | 1 | 49 | 26.52 | 21.66 |
| | | | | 1 | 99 | 27.64 | 21.62 |
| | | | | 50 | 0 | 25.97 | 20.51 |
| | | | | 50 | 24 | 26.18 | 20.62 |
| | | | | 50 | 49 | 27.11 | 20.61 |
| | | | | 100 | 0 | 26.97 | 20.59 |
| 20 | 18900 | 1880 | QPSK | 1 | 0 | 28.26 | 22.81 |
| | | | | 1 | 49 | 27.13 | 23.00 |
| | | | | 1 | 99 | 27.42 | 22.88 |
| | | | | 50 | 0 | 27.59 | 21.78 |
| | | | | 50 | 24 | 26.85 | 21.88 |
| | | | | 50 | 49 | 26.91 | 21.72 |
| | | | | 100 | 0 | 27.69 | 21.75 |
| | | | 16-QAM | 1 | 0 | 27.85 | 21.80 |
| | | | | 1 | 49 | 27.00 | 22.07 |
| | | | | 1 | 99 | 26.83 | 21.84 |
| | | | | 50 | 0 | 27.49 | 20.84 |
| | | | | 50 | 24 | 26.79 | 20.76 |
| | | | | 50 | 49 | 26.58 | 20.65 |
| | | | | 100 | 0 | 26.95 | 20.55 |
| 20 | 19100 | 1900 | QPSK | 1 | 0 | 27.89 | 22.78 |
| | | | | 1 | 49 | 28.04 | 22.79 |
| | | | | 1 | 99 | 27.45 | 22.83 |
| | | | | 50 | 0 | 28.13 | 21.49 |
| | | | | 50 | 24 | 28.06 | 21.53 |
| | | | | 50 | 49 | 27.59 | 21.72 |
| | | | | 100 | 0 | 28.13 | 21.64 |
| | | | 16-QAM | 1 | 0 | 27.54 | 21.72 |
| | | | | 1 | 49 | 27.68 | 21.70 |
| | | | | 1 | 99 | 27.17 | 21.89 |
| | | | | 50 | 0 | 28.10 | 20.49 |
| | | | | 50 | 24 | 27.93 | 20.54 |
| | | | | 50 | 49 | 27.38 | 20.59 |
| | | | | 100 | 0 | 27.80 | 20.52 |

7.2. LTE BAND 4

Output power for LTE Band 4 (1.4MHz)

| Bandwidth | UL Channel | Frequency | Modulation | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|------------|---------|-----------|----------------------|---------|
| 1.4 | 19957 | 1710.7 | QPSK | 1 | 0 | 27.61 | 23.81 |
| | | | | 1 | 2 | 27.58 | 23.79 |
| | | | | 1 | 5 | 27.59 | 23.80 |
| | | | | 3 | 0 | 27.86 | 23.78 |
| | | | | 3 | 1 | 27.70 | 23.75 |
| | | | | 3 | 2 | 27.74 | 23.81 |
| | | | | 6 | 0 | 27.91 | 22.81 |
| | | | 16QAM | 1 | 0 | 27.49 | 22.80 |
| | | | | 1 | 2 | 27.45 | 22.81 |
| | | | | 1 | 5 | 27.50 | 22.82 |
| | | | | 3 | 0 | 27.85 | 22.63 |
| | | | | 3 | 1 | 27.71 | 22.64 |
| | | | | 3 | 2 | 27.68 | 22.62 |
| | | | | 6 | 0 | 27.72 | 21.76 |
| 1.4 | 20175 | 1732.5 | QPSK | 1 | 0 | 27.66 | 23.87 |
| | | | | 1 | 2 | 27.55 | 23.80 |
| | | | | 1 | 5 | 27.51 | 23.76 |
| | | | | 3 | 0 | 27.96 | 23.81 |
| | | | | 3 | 1 | 27.86 | 23.80 |
| | | | | 3 | 2 | 27.86 | 23.86 |
| | | | | 6 | 0 | 27.41 | 22.85 |
| | | | 16QAM | 1 | 0 | 27.44 | 22.74 |
| | | | | 1 | 2 | 27.40 | 22.78 |
| | | | | 1 | 5 | 27.34 | 22.72 |
| | | | | 3 | 0 | 27.94 | 22.66 |
| | | | | 3 | 1 | 27.78 | 22.61 |
| | | | | 3 | 2 | 27.76 | 22.61 |
| | | | | 6 | 0 | 27.22 | 21.76 |
| 1.4 | 20393 | 1754.3 | QPSK | 1 | 0 | 27.56 | 23.54 |
| | | | | 1 | 2 | 27.71 | 23.76 |
| | | | | 1 | 5 | 27.49 | 23.55 |
| | | | | 3 | 0 | 27.80 | 23.46 |
| | | | | 3 | 1 | 27.66 | 23.50 |
| | | | | 3 | 2 | 27.66 | 23.51 |
| | | | | 6 | 0 | 27.57 | 22.55 |
| | | | 16QAM | 1 | 0 | 27.40 | 22.47 |
| | | | | 1 | 2 | 27.33 | 22.46 |
| | | | | 1 | 5 | 27.37 | 22.51 |
| | | | | 3 | 0 | 27.80 | 22.32 |
| | | | | 3 | 1 | 27.64 | 22.30 |
| | | | | 3 | 2 | 27.60 | 22.34 |
| | | | | 6 | 0 | 27.51 | 21.52 |

Output power for LTE Band 4 (3 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 3.0 | 19965 | 1711.5 | QPSK | 1 | 0 | 27.62 | 23.85 |
| | | | | 1 | 7 | 27.64 | 23.89 |
| | | | | 1 | 14 | 27.74 | 23.91 |
| | | | | 8 | 0 | 27.73 | 22.84 |
| | | | | 8 | 4 | 27.70 | 22.86 |
| | | | | 8 | 7 | 27.77 | 22.89 |
| | | | | 15 | 0 | 28.11 | 22.80 |
| | | | 16QAM | 1 | 0 | 27.45 | 22.79 |
| | | | | 1 | 7 | 27.50 | 22.87 |
| | | | | 1 | 14 | 27.62 | 22.87 |
| | | | | 8 | 0 | 27.37 | 21.83 |
| | | | | 8 | 4 | 27.42 | 21.88 |
| | | | | 8 | 7 | 27.47 | 21.89 |
| | | | | 15 | 0 | 28.09 | 21.85 |
| 3.0 | 20175 | 1732.5 | QPSK | 1 | 0 | 27.60 | 23.77 |
| | | | | 1 | 7 | 27.52 | 23.71 |
| | | | | 1 | 14 | 27.51 | 23.76 |
| | | | | 8 | 0 | 27.51 | 22.84 |
| | | | | 8 | 4 | 27.39 | 22.77 |
| | | | | 8 | 7 | 27.32 | 22.75 |
| | | | | 15 | 0 | 27.92 | 22.80 |
| | | | 16QAM | 1 | 0 | 27.45 | 22.76 |
| | | | | 1 | 7 | 27.34 | 22.68 |
| | | | | 1 | 14 | 27.37 | 22.75 |
| | | | | 8 | 0 | 26.94 | 21.84 |
| | | | | 8 | 4 | 27.08 | 21.85 |
| | | | | 8 | 7 | 27.12 | 21.82 |
| | | | | 15 | 0 | 27.54 | 21.83 |
| 3.0 | 20385 | 1753.5 | QPSK | 1 | 0 | 27.60 | 23.52 |
| | | | | 1 | 7 | 27.75 | 23.76 |
| | | | | 1 | 14 | 27.54 | 23.56 |
| | | | | 8 | 0 | 27.56 | 22.46 |
| | | | | 8 | 4 | 27.49 | 22.44 |
| | | | | 8 | 7 | 27.50 | 22.47 |
| | | | | 15 | 0 | 27.94 | 22.39 |
| | | | 16QAM | 1 | 0 | 27.43 | 22.46 |
| | | | | 1 | 7 | 27.38 | 22.54 |
| | | | | 1 | 14 | 27.39 | 22.50 |
| | | | | 8 | 0 | 27.19 | 21.54 |
| | | | | 8 | 4 | 27.14 | 21.46 |
| | | | | 8 | 7 | 27.17 | 21.58 |
| | | | | 15 | 0 | 27.67 | 21.42 |

Output power for LTE Band 4 (5 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 5.0 | 19975 | 1712.5 | QPSK | 1 | 0 | 27.47 | 23.89 |
| | | | | 1 | 12 | 27.49 | 23.93 |
| | | | | 1 | 24 | 27.75 | 23.94 |
| | | | | 12 | 0 | 27.77 | 22.79 |
| | | | | 12 | 6 | 27.78 | 22.83 |
| | | | | 12 | 11 | 27.91 | 22.88 |
| | | | | 25 | 0 | 28.34 | 22.78 |
| | | | 16QAM | 1 | 0 | 27.55 | 22.83 |
| | | | | 1 | 12 | 27.62 | 22.90 |
| | | | | 1 | 24 | 27.90 | 22.95 |
| | | | | 12 | 0 | 27.54 | 21.84 |
| | | | | 12 | 6 | 27.54 | 21.95 |
| | | | | 12 | 11 | 27.64 | 21.91 |
| | | | | 25 | 0 | 28.07 | 21.73 |
| 5.0 | 20175 | 1732.5 | QPSK | 1 | 0 | 27.47 | 23.83 |
| | | | | 1 | 12 | 27.36 | 23.77 |
| | | | | 1 | 24 | 27.40 | 23.89 |
| | | | | 12 | 0 | 27.81 | 22.76 |
| | | | | 12 | 6 | 27.83 | 22.76 |
| | | | | 12 | 11 | 27.79 | 22.75 |
| | | | | 25 | 0 | 27.99 | 22.67 |
| | | | 16QAM | 1 | 0 | 27.68 | 22.80 |
| | | | | 1 | 12 | 27.56 | 22.73 |
| | | | | 1 | 24 | 27.56 | 22.79 |
| | | | | 12 | 0 | 27.40 | 21.90 |
| | | | | 12 | 6 | 27.33 | 21.95 |
| | | | | 12 | 11 | 27.36 | 21.84 |
| | | | | 25 | 0 | 27.73 | 21.68 |
| 5.0 | 20375 | 1752.5 | QPSK | 1 | 0 | 27.57 | 23.75 |
| | | | | 1 | 12 | 27.31 | 23.57 |
| | | | | 1 | 24 | 27.31 | 23.56 |
| | | | | 12 | 0 | 27.69 | 22.44 |
| | | | | 12 | 6 | 27.60 | 22.45 |
| | | | | 12 | 11 | 27.62 | 22.45 |
| | | | | 25 | 0 | 27.89 | 22.35 |
| | | | 16QAM | 1 | 0 | 27.58 | 22.57 |
| | | | | 1 | 12 | 27.44 | 22.48 |
| | | | | 1 | 24 | 27.46 | 22.54 |
| | | | | 12 | 0 | 27.45 | 21.61 |
| | | | | 12 | 6 | 27.33 | 21.57 |
| | | | | 12 | 11 | 27.36 | 21.57 |
| | | | | 25 | 0 | 27.78 | 21.40 |

Output power for LTE Band 4 (10 MHz)

| Bandwidth (MHz) | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 10.0 | 20000 | 1715.0 | QPSK | 1 | 0 | 27.45 | 23.80 |
| | | | | 1 | 24 | 27.72 | 23.80 |
| | | | | 1 | 49 | 27.97 | 23.89 |
| | | | | 25 | 0 | 27.63 | 22.75 |
| | | | | 25 | 12 | 27.78 | 22.75 |
| | | | | 25 | 24 | 27.91 | 22.81 |
| | | | | 50 | 0 | 28.39 | 22.67 |
| | | | 16QAM | 1 | 0 | 27.26 | 22.70 |
| | | | | 1 | 24 | 27.58 | 22.82 |
| | | | | 1 | 49 | 27.84 | 22.85 |
| | | | | 25 | 0 | 27.54 | 21.81 |
| | | | | 25 | 12 | 27.6 | 21.73 |
| | | | | 25 | 24 | 27.83 | 21.81 |
| | | | | 50 | 0 | 28.26 | 21.63 |
| 10.0 | 20175 | 1732.5 | QPSK | 1 | 0 | 27.96 | 23.79 |
| | | | | 1 | 24 | 27.94 | 23.84 |
| | | | | 1 | 49 | 27.82 | 23.81 |
| | | | | 25 | 0 | 28.01 | 22.64 |
| | | | | 25 | 12 | 27.85 | 22.64 |
| | | | | 25 | 24 | 27.96 | 22.68 |
| | | | | 50 | 0 | 28.25 | 22.61 |
| | | | 16QAM | 1 | 0 | 27.79 | 22.80 |
| | | | | 1 | 24 | 27.77 | 22.77 |
| | | | | 1 | 49 | 27.68 | 22.78 |
| | | | | 25 | 0 | 27.75 | 21.71 |
| | | | | 25 | 12 | 27.71 | 21.75 |
| | | | | 25 | 24 | 27.77 | 21.73 |
| | | | | 50 | 0 | 28.20 | 21.64 |
| 10.0 | 20350 | 1750.0 | QPSK | 1 | 0 | 27.93 | 23.72 |
| | | | | 1 | 24 | 27.66 | 23.62 |
| | | | | 1 | 49 | 27.54 | 23.54 |
| | | | | 25 | 0 | 27.68 | 22.48 |
| | | | | 25 | 12 | 27.56 | 22.39 |
| | | | | 25 | 24 | 27.59 | 22.38 |
| | | | | 50 | 0 | 28.09 | 22.29 |
| | | | 16QAM | 1 | 0 | 27.74 | 22.68 |
| | | | | 1 | 24 | 27.44 | 22.47 |
| | | | | 1 | 49 | 27.40 | 22.48 |
| | | | | 25 | 0 | 27.66 | 21.54 |
| | | | | 25 | 12 | 27.50 | 21.48 |
| | | | | 25 | 24 | 27.48 | 21.38 |
| | | | | 50 | 0 | 28.07 | 21.37 |

Output power for LTE Band 4 (15 MHz)

| Bandwidth (MHz) | UL Channel | Modulation | | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------------|------------|------------|--------|---------|-----------|----------------------|---------|
| 15 | 20025 | 1717.5 | QPSK | 1 | 0 | 27.38 | 23.77 |
| | | | | 1 | 37 | 27.84 | 23.86 |
| | | | | 1 | 74 | 28.18 | 23.92 |
| | | | | 36 | 0 | 27.72 | 22.71 |
| | | | | 36 | 16 | 27.85 | 22.63 |
| | | | | 36 | 35 | 28.04 | 22.74 |
| | | | | 75 | 0 | 28.39 | 22.73 |
| | | | 16-QAM | 1 | 0 | 27.13 | 22.67 |
| | | | | 1 | 37 | 27.64 | 22.86 |
| | | | | 1 | 74 | 27.98 | 22.92 |
| | | | | 36 | 0 | 27.68 | 21.64 |
| | | | | 36 | 16 | 27.83 | 21.71 |
| | | | | 36 | 35 | 28.08 | 21.81 |
| | | | | 75 | 0 | 28.17 | 21.70 |
| 15 | 20175 | 1732.5 | QPSK | 1 | 0 | 28.09 | 23.83 |
| | | | | 1 | 37 | 28.02 | 23.72 |
| | | | | 1 | 74 | 27.83 | 23.79 |
| | | | | 36 | 0 | 28.19 | 22.70 |
| | | | | 36 | 16 | 28.11 | 22.60 |
| | | | | 36 | 35 | 28.07 | 22.58 |
| | | | | 75 | 0 | 28.21 | 22.57 |
| | | | 16-QAM | 1 | 0 | 27.9 | 22.78 |
| | | | | 1 | 37 | 27.81 | 22.63 |
| | | | | 1 | 74 | 27.68 | 22.74 |
| | | | | 36 | 0 | 28.10 | 21.71 |
| | | | | 36 | 16 | 28.05 | 21.63 |
| | | | | 36 | 35 | 27.97 | 21.52 |
| | | | | 75 | 0 | 28.12 | 21.61 |
| 15 | 20325 | 1747.5 | QPSK | 1 | 0 | 28.09 | 23.75 |
| | | | | 1 | 37 | 27.73 | 23.66 |
| | | | | 1 | 74 | 27.53 | 23.53 |
| | | | | 36 | 0 | 27.94 | 22.45 |
| | | | | 36 | 16 | 27.74 | 22.42 |
| | | | | 36 | 35 | 27.70 | 22.41 |
| | | | | 75 | 0 | 28.20 | 22.31 |
| | | | 16-QAM | 1 | 0 | 27.87 | 22.71 |
| | | | | 1 | 37 | 27.54 | 22.58 |
| | | | | 1 | 74 | 27.40 | 22.54 |
| | | | | 36 | 0 | 28.06 | 21.54 |
| | | | | 36 | 16 | 27.83 | 21.40 |
| | | | | 36 | 35 | 27.74 | 21.41 |
| | | | | 75 | 0 | 27.96 | 21.33 |

Output power for LTE Band 4 (20 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|--------|---------|-----------|----------------------|---------|
| 20 | 20050 | 1720.0 | QPSK | 1 | 0 | 27.35 | 23.73 |
| | | | | 1 | 49 | 27.86 | 23.82 |
| | | | | 1 | 99 | 28.10 | 23.84 |
| | | | | 50 | 0 | 27.94 | 22.65 |
| | | | | 50 | 24 | 28.12 | 22.64 |
| | | | | 50 | 49 | 28.31 | 22.70 |
| | | | | 100 | 0 | 28.38 | 22.63 |
| | | | 16-QAM | 1 | 0 | 27.11 | 22.62 |
| | | | | 1 | 49 | 27.66 | 22.79 |
| | | | | 1 | 99 | 27.90 | 22.83 |
| | | | | 50 | 0 | 27.78 | 21.57 |
| | | | | 50 | 24 | 28.06 | 21.67 |
| | | | | 50 | 49 | 28.08 | 21.73 |
| | | | | 100 | 0 | 28.20 | 21.61 |
| 20 | 20175 | 1732.5 | QPSK | 1 | 0 | 27.71 | 23.80 |
| | | | | 1 | 49 | 27.71 | 23.78 |
| | | | | 1 | 99 | 27.42 | 23.76 |
| | | | | 50 | 0 | 27.96 | 22.61 |
| | | | | 50 | 24 | 27.88 | 22.60 |
| | | | | 50 | 49 | 27.74 | 22.46 |
| | | | | 100 | 0 | 28.10 | 22.64 |
| | | | 16-QAM | 1 | 0 | 27.55 | 22.82 |
| | | | | 1 | 49 | 27.52 | 22.73 |
| | | | | 1 | 99 | 27.23 | 22.67 |
| | | | | 50 | 0 | 27.74 | 21.53 |
| | | | | 50 | 24 | 27.71 | 21.57 |
| | | | | 50 | 49 | 27.67 | 21.54 |
| | | | | 100 | 0 | 27.69 | 21.56 |
| 20 | 20300 | 1745.0 | QPSK | 1 | 0 | 28.21 | 23.75 |
| | | | | 1 | 49 | 27.82 | 23.70 |
| | | | | 1 | 99 | 27.53 | 23.52 |
| | | | | 50 | 0 | 28.27 | 22.43 |
| | | | | 50 | 24 | 28.04 | 22.39 |
| | | | | 50 | 49 | 27.90 | 22.44 |
| | | | | 100 | 0 | 28.28 | 22.39 |
| | | | 16-QAM | 1 | 0 | 27.98 | 22.62 |
| | | | | 1 | 49 | 27.62 | 22.52 |
| | | | | 1 | 99 | 27.40 | 22.51 |
| | | | | 50 | 0 | 28.16 | 21.52 |
| | | | | 50 | 24 | 27.84 | 21.45 |
| | | | | 50 | 49 | 27.71 | 21.36 |
| | | | | 100 | 0 | 28.07 | 21.45 |

7.3. LTE BAND 5

Output power for LTE Band 5 (1.4MHz)

| Bandwidth | UL Channel | Frequency | Modulation | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|------------|---------|-----------|----------------------|---------|
| 1.4 | 20407 | 824.7 | QPSK | 1 | 0 | 28.77 | 23.84 |
| | | | | 1 | 2 | 28.50 | 23.79 |
| | | | | 1 | 5 | 28.68 | 23.82 |
| | | | | 3 | 0 | 28.89 | 23.72 |
| | | | | 3 | 1 | 28.72 | 23.67 |
| | | | | 3 | 2 | 28.84 | 23.84 |
| | | | | 6 | 0 | 28.34 | 22.77 |
| | | | 16QAM | 1 | 0 | 28.43 | 22.70 |
| | | | | 1 | 2 | 28.19 | 22.65 |
| | | | | 1 | 5 | 28.40 | 22.78 |
| | | | | 3 | 0 | 28.54 | 22.50 |
| | | | | 3 | 1 | 28.63 | 22.47 |
| | | | | 3 | 2 | 28.67 | 22.57 |
| | | | | 6 | 0 | 28.11 | 21.84 |
| 1.4 | 20525 | 836.5 | QPSK | 1 | 0 | 28.27 | 23.90 |
| | | | | 1 | 2 | 28.22 | 23.84 |
| | | | | 1 | 5 | 28.37 | 23.88 |
| | | | | 3 | 0 | 28.58 | 23.79 |
| | | | | 3 | 1 | 28.44 | 23.77 |
| | | | | 3 | 2 | 28.45 | 23.73 |
| | | | | 6 | 0 | 28.18 | 22.78 |
| | | | 16QAM | 1 | 0 | 27.93 | 22.69 |
| | | | | 1 | 2 | 27.91 | 22.74 |
| | | | | 1 | 5 | 28.02 | 22.83 |
| | | | | 3 | 0 | 28.36 | 22.62 |
| | | | | 3 | 1 | 28.25 | 22.60 |
| | | | | 3 | 2 | 28.24 | 22.59 |
| | | | | 6 | 0 | 27.72 | 21.76 |
| 1.4 | 20643 | 848.3 | QPSK | 1 | 0 | 28.35 | 23.82 |
| | | | | 1 | 2 | 28.22 | 23.78 |
| | | | | 1 | 5 | 28.17 | 23.81 |
| | | | | 3 | 0 | 28.65 | 23.75 |
| | | | | 3 | 1 | 28.50 | 23.78 |
| | | | | 3 | 2 | 28.44 | 23.75 |
| | | | | 6 | 0 | 28.13 | 22.84 |
| | | | 16QAM | 1 | 0 | 28.17 | 22.75 |
| | | | | 1 | 2 | 28.01 | 22.67 |
| | | | | 1 | 5 | 28.00 | 22.74 |
| | | | | 3 | 0 | 28.56 | 22.58 |
| | | | | 3 | 1 | 28.42 | 22.57 |
| | | | | 3 | 2 | 28.39 | 22.62 |
| | | | | 6 | 0 | 27.93 | 21.73 |

Output power for LTE Band 5 (3 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 3.0 | 20415 | 825.5 | QPSK | 1 | 0 | 28.76 | 23.82 |
| | | | | 1 | 7 | 28.64 | 23.82 |
| | | | | 1 | 14 | 28.67 | 23.82 |
| | | | | 8 | 0 | 28.33 | 22.75 |
| | | | | 8 | 4 | 28.32 | 22.76 |
| | | | | 8 | 7 | 28.34 | 22.74 |
| | | | | 15 | 0 | 28.59 | 22.71 |
| | | | 16QAM | 1 | 0 | 28.42 | 22.74 |
| | | | | 1 | 7 | 28.32 | 22.72 |
| | | | | 1 | 14 | 28.40 | 22.80 |
| | | | | 8 | 0 | 27.82 | 21.82 |
| | | | | 8 | 4 | 27.66 | 21.81 |
| | | | | 8 | 7 | 27.66 | 21.81 |
| | | | | 15 | 0 | 28.36 | 21.83 |
| 3.0 | 20525 | 836.5 | QPSK | 1 | 0 | 28.26 | 23.88 |
| | | | | 1 | 7 | 28.26 | 23.88 |
| | | | | 1 | 14 | 28.40 | 23.93 |
| | | | | 8 | 0 | 27.97 | 22.84 |
| | | | | 8 | 4 | 27.97 | 22.79 |
| | | | | 8 | 7 | 28.06 | 22.79 |
| | | | | 15 | 0 | 28.46 | 22.84 |
| | | | 16QAM | 1 | 0 | 27.99 | 22.77 |
| | | | | 1 | 7 | 27.93 | 22.75 |
| | | | | 1 | 14 | 28.08 | 22.86 |
| | | | | 8 | 0 | 27.56 | 21.95 |
| | | | | 8 | 4 | 27.32 | 21.87 |
| | | | | 8 | 7 | 27.36 | 21.88 |
| | | | | 15 | 0 | 28.37 | 22.00 |
| 3.0 | 20635 | 847.5 | QPSK | 1 | 0 | 28.55 | 23.88 |
| | | | | 1 | 7 | 28.41 | 23.82 |
| | | | | 1 | 14 | 28.19 | 23.84 |
| | | | | 8 | 0 | 28.17 | 22.93 |
| | | | | 8 | 4 | 28.03 | 22.80 |
| | | | | 8 | 7 | 28.02 | 22.82 |
| | | | | 15 | 0 | 28.82 | 22.74 |
| | | | 16QAM | 1 | 0 | 28.37 | 22.78 |
| | | | | 1 | 7 | 28.22 | 22.77 |
| | | | | 1 | 14 | 28.04 | 22.78 |
| | | | | 8 | 0 | 27.97 | 21.88 |
| | | | | 8 | 4 | 27.80 | 21.83 |
| | | | | 8 | 7 | 27.71 | 21.85 |
| | | | | 15 | 0 | 28.27 | 21.83 |

Output power for LTE Band 5 (5 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 5.0 | 20425 | 826.5 | QPSK | 1 | 0 | 28.01 | 23.97 |
| | | | | 1 | 12 | 27.95 | 23.92 |
| | | | | 1 | 24 | 28.17 | 23.95 |
| | | | | 12 | 0 | 28.16 | 22.77 |
| | | | | 12 | 6 | 28.12 | 22.81 |
| | | | | 12 | 11 | 28.21 | 22.77 |
| | | | | 25 | 0 | 28.61 | 22.83 |
| | | | 16QAM | 1 | 0 | 28.07 | 22.98 |
| | | | | 1 | 12 | 27.97 | 22.79 |
| | | | | 1 | 24 | 28.25 | 23.02 |
| | | | | 12 | 0 | 27.53 | 21.89 |
| | | | | 12 | 6 | 27.73 | 22.09 |
| | | | | 12 | 11 | 27.82 | 21.99 |
| | | | | 25 | 0 | 28.24 | 21.91 |
| 5.0 | 20525 | 836.5 | QPSK | 1 | 0 | 28.37 | 23.83 |
| | | | | 1 | 12 | 28.26 | 23.93 |
| | | | | 1 | 24 | 28.20 | 23.88 |
| | | | | 12 | 0 | 28.55 | 22.78 |
| | | | | 12 | 6 | 28.42 | 22.72 |
| | | | | 12 | 11 | 28.49 | 22.83 |
| | | | | 25 | 0 | 28.72 | 22.68 |
| | | | 16QAM | 1 | 0 | 28.48 | 22.77 |
| | | | | 1 | 12 | 28.40 | 22.89 |
| | | | | 1 | 24 | 28.35 | 22.84 |
| | | | | 12 | 0 | 28.14 | 21.86 |
| | | | | 12 | 6 | 27.99 | 21.85 |
| | | | | 12 | 11 | 27.83 | 21.86 |
| | | | | 25 | 0 | 28.37 | 21.62 |
| 5.0 | 20625 | 846.5 | QPSK | 1 | 0 | 28.31 | 23.78 |
| | | | | 1 | 12 | 28.14 | 23.82 |
| | | | | 1 | 24 | 27.95 | 23.86 |
| | | | | 12 | 0 | 28.59 | 22.73 |
| | | | | 12 | 6 | 28.49 | 22.72 |
| | | | | 12 | 11 | 28.39 | 22.79 |
| | | | | 25 | 0 | 28.71 | 22.69 |
| | | | 16QAM | 1 | 0 | 28.46 | 22.66 |
| | | | | 1 | 12 | 28.38 | 22.84 |
| | | | | 1 | 24 | 28.14 | 22.86 |
| | | | | 12 | 0 | 28.22 | 21.88 |
| | | | | 12 | 6 | 28.16 | 21.91 |
| | | | | 12 | 11 | 28.09 | 21.96 |
| | | | | 25 | 0 | 28.43 | 21.71 |

Output power for LTE Band 5 (10 MHz)

| Bandwidth (MHz) | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 10.0 | 20450 | 829.0 | QPSK | 1 | 0 | 28.41 | 23.85 |
| | | | | 1 | 24 | 28.21 | 23.86 |
| | | | | 1 | 49 | 28.49 | 23.75 |
| | | | | 25 | 0 | 28.01 | 22.70 |
| | | | | 25 | 12 | 28.03 | 22.82 |
| | | | | 25 | 24 | 28.20 | 22.75 |
| | | | | 50 | 0 | 28.72 | 22.81 |
| | | | 16QAM | 1 | 0 | 28.08 | 22.74 |
| | | | | 1 | 24 | 27.90 | 22.72 |
| | | | | 1 | 49 | 28.16 | 22.66 |
| | | | | 25 | 0 | 27.63 | 21.78 |
| | | | | 25 | 12 | 27.68 | 21.85 |
| | | | | 25 | 24 | 28.14 | 21.90 |
| | | | | 50 | 0 | 28.43 | 21.78 |
| 10.0 | 20525 | 836.5 | QPSK | 1 | 0 | 28.45 | 23.71 |
| | | | | 1 | 24 | 28.47 | 23.80 |
| | | | | 1 | 49 | 28.27 | 23.97 |
| | | | | 25 | 0 | 28.25 | 22.55 |
| | | | | 25 | 12 | 28.25 | 22.68 |
| | | | | 25 | 24 | 28.22 | 22.69 |
| | | | | 50 | 0 | 28.66 | 22.60 |
| | | | 16QAM | 1 | 0 | 28.15 | 22.62 |
| | | | | 1 | 24 | 28.16 | 22.68 |
| | | | | 1 | 49 | 27.96 | 22.83 |
| | | | | 25 | 0 | 27.96 | 21.70 |
| | | | | 25 | 12 | 27.80 | 21.69 |
| | | | | 25 | 24 | 27.89 | 21.79 |
| | | | | 50 | 0 | 28.54 | 21.58 |
| 10.0 | 20600 | 844.0 | QPSK | 1 | 0 | 28.48 | 23.83 |
| | | | | 1 | 24 | 28.59 | 23.77 |
| | | | | 1 | 49 | 28.28 | 23.82 |
| | | | | 25 | 0 | 28.42 | 22.52 |
| | | | | 25 | 12 | 28.36 | 22.58 |
| | | | | 25 | 24 | 28.36 | 22.66 |
| | | | | 50 | 0 | 28.86 | 22.66 |
| | | | 16QAM | 1 | 0 | 28.19 | 22.67 |
| | | | | 1 | 24 | 28.34 | 22.65 |
| | | | | 1 | 49 | 28.10 | 22.77 |
| | | | | 25 | 0 | 28.16 | 21.60 |
| | | | | 25 | 12 | 28.20 | 21.79 |
| | | | | 25 | 24 | 28.19 | 21.70 |
| | | | | 50 | 0 | 28.83 | 21.69 |

7.4. LTE BAND 13

Output power for LTE Band 13 (5 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 5.0 | 23207 | 779.5 | QPSK | 1 | 0 | 27.5 | 23.9 |
| | | | | 1 | 12 | 27.4 | 23.9 |
| | | | | 1 | 24 | 27.5 | 24.0 |
| | | | | 12 | 0 | 27.6 | 23.8 |
| | | | | 12 | 6 | 27.5 | 23.9 |
| | | | | 12 | 11 | 27.6 | 23.8 |
| | | | | 25 | 0 | 27.7 | 23.9 |
| | | | 16QAM | 1 | 0 | 27.6 | 23.0 |
| | | | | 1 | 12 | 27.6 | 23.0 |
| | | | | 1 | 24 | 27.6 | 23.1 |
| | | | | 12 | 0 | 27.6 | 22.8 |
| | | | | 12 | 6 | 27.6 | 22.8 |
| | | | | 12 | 11 | 27.6 | 22.8 |
| | | | | 25 | 0 | 27.7 | 23.0 |
| 5.0 | 23230 | 782.0 | QPSK | 1 | 0 | 27.9 | 24.0 |
| | | | | 1 | 12 | 28.0 | 23.9 |
| | | | | 1 | 24 | 28.1 | 23.9 |
| | | | | 12 | 0 | 28.0 | 23.9 |
| | | | | 12 | 6 | 27.9 | 23.9 |
| | | | | 12 | 11 | 28.0 | 23.9 |
| | | | | 25 | 0 | 28.2 | 23.9 |
| | | | 16QAM | 1 | 0 | 28.0 | 23.1 |
| | | | | 1 | 12 | 28.1 | 23.1 |
| | | | | 1 | 24 | 28.2 | 23.0 |
| | | | | 12 | 0 | 28.0 | 22.9 |
| | | | | 12 | 6 | 28.0 | 22.8 |
| | | | | 12 | 11 | 28.0 | 22.8 |
| | | | | 25 | 0 | 28.2 | 23.0 |
| 5.0 | 23255 | 784.5 | QPSK | 1 | 0 | 28.6 | 23.9 |
| | | | | 1 | 12 | 28.5 | 23.9 |
| | | | | 1 | 24 | 28.5 | 23.9 |
| | | | | 12 | 0 | 28.8 | 23.8 |
| | | | | 12 | 6 | 28.7 | 23.9 |
| | | | | 12 | 11 | 28.7 | 23.8 |
| | | | | 25 | 0 | 28.8 | 23.8 |
| | | | 16QAM | 1 | 0 | 28.8 | 23.1 |
| | | | | 1 | 12 | 28.7 | 23.0 |
| | | | | 1 | 24 | 28.7 | 23.0 |
| | | | | 12 | 0 | 28.8 | 22.8 |
| | | | | 12 | 6 | 28.8 | 22.7 |
| | | | | 12 | 11 | 28.7 | 22.8 |
| | | | | 25 | 0 | 28.8 | 23.0 |

Output power for LTE Band 5 (10 MHz)

| Bandwidth (MHz) | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak (dBm) | Average (dBm) |
|-----------------|------------|-----------|-------|---------|-----------|----------------|---------------|
| 10.0 | 23230 | 782.0 | QPSK | 1 | 0 | 27.6 | 23.9 |
| | | | | 1 | 24 | 27.7 | 23.9 |
| | | | | 1 | 49 | 27.6 | 24.0 |
| | | | | 25 | 0 | 27.4 | 23.8 |
| | | | | 25 | 12 | 27.4 | 23.9 |
| | | | | 25 | 24 | 27.4 | 23.9 |
| | | | | 50 | 0 | 27.6 | 23.9 |
| | | | 16QAM | 1 | 0 | 27.5 | 23.0 |
| | | | | 1 | 24 | 27.5 | 23.1 |
| | | | | 1 | 49 | 27.6 | 23.1 |
| | | | | 25 | 0 | 27.5 | 22.9 |
| | | | | 25 | 12 | 27.5 | 22.9 |
| | | | | 25 | 24 | 27.6 | 22.9 |
| | | | | 50 | 0 | 27.5 | 22.8 |

7.5. LTE BAND 17

Output power for LTE Band 17 (5 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 5.0 | 23755 | 706.5 | QPSK | 1 | 0 | 28.73 | 24.77 |
| | | | | 1 | 12 | 28.79 | 24.70 |
| | | | | 1 | 24 | 29.13 | 24.88 |
| | | | | 12 | 0 | 28.99 | 23.72 |
| | | | | 12 | 6 | 28.91 | 23.77 |
| | | | | 12 | 11 | 29.05 | 23.67 |
| | | | | 25 | 0 | 29.41 | 23.75 |
| | | | 16QAM | 1 | 0 | 28.69 | 23.76 |
| | | | | 1 | 12 | 28.80 | 23.69 |
| | | | | 1 | 24 | 29.18 | 23.83 |
| | | | | 12 | 0 | 28.63 | 22.75 |
| | | | | 12 | 6 | 28.68 | 22.82 |
| | | | | 12 | 11 | 28.80 | 22.80 |
| | | | | 25 | 0 | 29.31 | 22.72 |
| 5.0 | 23790 | 710.0 | QPSK | 1 | 0 | 28.81 | 24.76 |
| | | | | 1 | 12 | 28.88 | 24.73 |
| | | | | 1 | 24 | 28.87 | 24.75 |
| | | | | 12 | 0 | 29.26 | 23.70 |
| | | | | 12 | 6 | 29.12 | 23.65 |
| | | | | 12 | 11 | 29.13 | 23.65 |
| | | | | 25 | 0 | 29.33 | 23.61 |
| | | | 16QAM | 1 | 0 | 28.99 | 23.76 |
| | | | | 1 | 12 | 29.03 | 23.66 |
| | | | | 1 | 24 | 28.89 | 23.72 |
| | | | | 12 | 0 | 28.49 | 22.83 |
| | | | | 12 | 6 | 28.40 | 22.83 |
| | | | | 12 | 11 | 28.38 | 22.78 |
| | | | | 25 | 0 | 28.90 | 22.63 |
| 5.0 | 23825 | 713.5 | QPSK | 1 | 0 | 28.85 | 24.63 |
| | | | | 1 | 12 | 28.79 | 24.71 |
| | | | | 1 | 24 | 28.91 | 24.50 |
| | | | | 12 | 0 | 29.02 | 23.60 |
| | | | | 12 | 6 | 28.94 | 23.73 |
| | | | | 12 | 11 | 29.01 | 23.63 |
| | | | | 25 | 0 | 29.14 | 23.59 |
| | | | 16QAM | 1 | 0 | 28.90 | 23.64 |
| | | | | 1 | 12 | 28.78 | 23.66 |
| | | | | 1 | 24 | 29.04 | 23.59 |
| | | | | 12 | 0 | 28.65 | 22.83 |
| | | | | 12 | 6 | 28.52 | 22.83 |
| | | | | 12 | 11 | 28.73 | 22.77 |
| | | | | 25 | 0 | 28.82 | 22.45 |

Output power for LTE Band 17 (10 MHz)

| Bandwidth (MHz) | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 10.0 | 23780 | 709.0 | QPSK | 1 | 0 | 28.97 | 24.74 |
| | | | | 1 | 24 | 29.38 | 24.80 |
| | | | | 1 | 49 | 29.05 | 24.57 |
| | | | | 25 | 0 | 29.05 | 23.64 |
| | | | | 25 | 12 | 28.99 | 23.60 |
| | | | | 25 | 24 | 28.93 | 23.60 |
| | | | | 50 | 0 | 29.51 | 23.61 |
| | | | 16QAM | 1 | 0 | 28.63 | 23.63 |
| | | | | 1 | 24 | 29.03 | 23.68 |
| | | | | 1 | 49 | 28.76 | 23.55 |
| | | | | 25 | 0 | 28.87 | 22.70 |
| | | | | 25 | 12 | 28.98 | 22.79 |
| | | | | 25 | 24 | 28.90 | 22.67 |
| | | | | 50 | 0 | 29.36 | 22.58 |
| 10.0 | 23790 | 710.0 | QPSK | 1 | 0 | 28.71 | 24.59 |
| | | | | 1 | 24 | 29.32 | 24.76 |
| | | | | 1 | 49 | 29.10 | 24.64 |
| | | | | 25 | 0 | 29.07 | 23.63 |
| | | | | 25 | 12 | 28.99 | 23.59 |
| | | | | 25 | 24 | 28.96 | 23.55 |
| | | | | 50 | 0 | 29.33 | 23.53 |
| | | | 16QAM | 1 | 0 | 28.55 | 23.56 |
| | | | | 1 | 24 | 28.98 | 23.67 |
| | | | | 1 | 49 | 28.79 | 23.60 |
| | | | | 25 | 0 | 28.44 | 22.73 |
| | | | | 25 | 12 | 28.40 | 22.68 |
| | | | | 25 | 24 | 28.38 | 22.61 |
| | | | | 50 | 0 | 28.96 | 22.58 |
| 10.0 | 23800 | 711.0 | QPSK | 1 | 0 | 29.00 | 24.77 |
| | | | | 1 | 24 | 29.15 | 24.61 |
| | | | | 1 | 49 | 29.29 | 24.57 |
| | | | | 25 | 0 | 29.02 | 23.56 |
| | | | | 25 | 12 | 28.96 | 23.53 |
| | | | | 25 | 24 | 28.93 | 23.63 |
| | | | | 50 | 0 | 29.39 | 23.59 |
| | | | 16QAM | 1 | 0 | 28.74 | 23.60 |
| | | | | 1 | 24 | 28.82 | 23.55 |
| | | | | 1 | 49 | 28.94 | 23.48 |
| | | | | 25 | 0 | 28.49 | 22.65 |
| | | | | 25 | 12 | 28.31 | 22.60 |
| | | | | 25 | 24 | 28.35 | 22.61 |
| | | | | 50 | 0 | 29.14 | 22.56 |

7.6. LTE BAND 25

Output power for LTE Band 25 (1.4MHz)

| Bandwidth | UL Channel | Frequency | Modulation | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|------------|---------|-----------|----------------------|---------|
| 1.4 | 26047 | 1850.7 | QPSK | 1 | 0 | 27.24 | 22.52 |
| | | | | 1 | 2 | 27.09 | 22.49 |
| | | | | 1 | 5 | 26.98 | 22.52 |
| | | | | 3 | 0 | 27.45 | 22.53 |
| | | | | 3 | 1 | 27.29 | 22.49 |
| | | | | 3 | 2 | 27.23 | 22.52 |
| | | | | 6 | 0 | 26.78 | 21.56 |
| | | | 16QAM | 1 | 0 | 26.58 | 21.50 |
| | | | | 1 | 2 | 26.50 | 21.49 |
| | | | | 1 | 5 | 26.37 | 21.51 |
| | | | | 3 | 0 | 26.96 | 21.34 |
| | | | | 3 | 1 | 26.75 | 21.40 |
| | | | | 3 | 2 | 26.70 | 21.34 |
| | | | | 6 | 0 | 26.33 | 20.53 |
| 1.4 | 26365 | 1882.5 | QPSK | 1 | 0 | 26.68 | 22.74 |
| | | | | 1 | 2 | 26.93 | 22.75 |
| | | | | 1 | 5 | 26.92 | 22.73 |
| | | | | 3 | 0 | 27.27 | 22.77 |
| | | | | 3 | 1 | 27.10 | 22.74 |
| | | | | 3 | 2 | 27.11 | 22.81 |
| | | | | 6 | 0 | 26.87 | 21.87 |
| | | | 16QAM | 1 | 0 | 26.39 | 21.74 |
| | | | | 1 | 2 | 26.34 | 21.74 |
| | | | | 1 | 5 | 26.30 | 21.67 |
| | | | | 3 | 0 | 26.71 | 21.65 |
| | | | | 3 | 1 | 26.49 | 21.64 |
| | | | | 3 | 2 | 26.50 | 21.66 |
| | | | | 6 | 0 | 26.27 | 20.80 |
| 1.4 | 26683 | 1914.3 | QPSK | 1 | 0 | 27.81 | 22.54 |
| | | | | 1 | 2 | 27.31 | 22.24 |
| | | | | 1 | 5 | 26.97 | 22.18 |
| | | | | 3 | 0 | 27.69 | 22.18 |
| | | | | 3 | 1 | 27.51 | 22.11 |
| | | | | 3 | 2 | 27.39 | 22.20 |
| | | | | 6 | 0 | 26.85 | 21.19 |
| | | | 16QAM | 1 | 0 | 27.27 | 21.19 |
| | | | | 1 | 2 | 27.08 | 21.17 |
| | | | | 1 | 5 | 26.78 | 21.17 |
| | | | | 3 | 0 | 27.53 | 21.02 |
| | | | | 3 | 1 | 27.53 | 21.00 |
| | | | | 3 | 2 | 27.43 | 21.06 |
| | | | | 6 | 0 | 26.62 | 20.18 |

Output power for LTE Band 25 (3 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 3.0 | 26055 | 1851.5 | QPSK | 1 | 0 | 27.20 | 22.52 |
| | | | | 1 | 7 | 26.90 | 22.61 |
| | | | | 1 | 14 | 26.76 | 22.55 |
| | | | | 8 | 0 | 26.61 | 21.56 |
| | | | | 8 | 4 | 26.50 | 21.60 |
| | | | | 8 | 7 | 26.57 | 21.63 |
| | | | | 15 | 0 | 27.06 | 21.63 |
| | | | 16QAM | 1 | 0 | 26.56 | 21.52 |
| | | | | 1 | 7 | 26.29 | 21.57 |
| | | | | 1 | 14 | 26.16 | 21.57 |
| | | | | 8 | 0 | 25.91 | 20.58 |
| | | | | 8 | 4 | 25.68 | 20.64 |
| | | | | 8 | 7 | 25.68 | 20.66 |
| | | | | 15 | 0 | 26.50 | 20.58 |
| 3.0 | 26365 | 1882.5 | QPSK | 1 | 0 | 26.78 | 22.74 |
| | | | | 1 | 7 | 26.86 | 22.64 |
| | | | | 1 | 14 | 26.92 | 22.73 |
| | | | | 8 | 0 | 26.58 | 21.78 |
| | | | | 8 | 4 | 26.41 | 21.78 |
| | | | | 8 | 7 | 26.53 | 21.70 |
| | | | | 15 | 0 | 27.13 | 21.75 |
| | | | 16QAM | 1 | 0 | 26.45 | 21.76 |
| | | | | 1 | 7 | 26.29 | 21.66 |
| | | | | 1 | 14 | 26.31 | 21.67 |
| | | | | 8 | 0 | 25.98 | 20.82 |
| | | | | 8 | 4 | 25.78 | 20.85 |
| | | | | 8 | 7 | 25.78 | 20.76 |
| | | | | 15 | 0 | 26.49 | 20.75 |
| 3.0 | 26675 | 1913.5 | QPSK | 1 | 0 | 27.98 | 22.58 |
| | | | | 1 | 7 | 27.56 | 22.33 |
| | | | | 1 | 14 | 26.99 | 22.21 |
| | | | | 8 | 0 | 27.28 | 21.35 |
| | | | | 8 | 4 | 27.30 | 21.38 |
| | | | | 8 | 7 | 27.03 | 21.18 |
| | | | | 15 | 0 | 27.29 | 21.18 |
| | | | 16QAM | 1 | 0 | 27.56 | 21.39 |
| | | | | 1 | 7 | 27.34 | 21.30 |
| | | | | 1 | 14 | 26.79 | 21.14 |
| | | | | 8 | 0 | 27.00 | 20.40 |
| | | | | 8 | 4 | 26.91 | 20.37 |
| | | | | 8 | 7 | 26.77 | 20.30 |
| | | | | 15 | 0 | 27.25 | 20.25 |

Output power for LTE Band 25 (5 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 5.0 | 26065 | 1852.5 | QPSK | 1 | 0 | 26.89 | 22.59 |
| | | | | 1 | 12 | 26.53 | 22.65 |
| | | | | 1 | 24 | 26.39 | 22.69 |
| | | | | 12 | 0 | 26.56 | 21.47 |
| | | | | 12 | 6 | 26.35 | 21.63 |
| | | | | 12 | 11 | 26.33 | 21.57 |
| | | | | 25 | 0 | 27.05 | 21.58 |
| | | | 16QAM | 1 | 0 | 26.63 | 21.53 |
| | | | | 1 | 12 | 26.22 | 21.63 |
| | | | | 1 | 24 | 26.01 | 21.66 |
| | | | | 12 | 0 | 25.93 | 20.56 |
| | | | | 12 | 6 | 25.56 | 20.63 |
| | | | | 12 | 11 | 25.53 | 20.64 |
| | | | | 25 | 0 | 26.29 | 20.44 |
| 5.0 | 26365 | 1882.5 | QPSK | 1 | 0 | 26.88 | 22.75 |
| | | | | 1 | 12 | 26.63 | 22.74 |
| | | | | 1 | 24 | 26.67 | 22.71 |
| | | | | 12 | 0 | 26.68 | 21.75 |
| | | | | 12 | 6 | 26.49 | 21.78 |
| | | | | 12 | 11 | 26.53 | 21.72 |
| | | | | 25 | 0 | 27.25 | 21.72 |
| | | | 16QAM | 1 | 0 | 26.63 | 21.85 |
| | | | | 1 | 12 | 26.34 | 21.69 |
| | | | | 1 | 24 | 26.36 | 21.68 |
| | | | | 12 | 0 | 26.00 | 20.80 |
| | | | | 12 | 6 | 25.70 | 20.87 |
| | | | | 12 | 11 | 25.72 | 20.82 |
| | | | | 25 | 0 | 26.50 | 20.66 |
| 5.0 | 26665 | 1912.5 | QPSK | 1 | 0 | 27.25 | 22.64 |
| | | | | 1 | 12 | 27.25 | 22.43 |
| | | | | 1 | 24 | 26.75 | 22.28 |
| | | | | 12 | 0 | 27.45 | 21.36 |
| | | | | 12 | 6 | 27.59 | 21.37 |
| | | | | 12 | 11 | 27.42 | 21.26 |
| | | | | 25 | 0 | 27.67 | 21.28 |
| | | | 16QAM | 1 | 0 | 27.25 | 21.48 |
| | | | | 1 | 12 | 27.56 | 21.50 |
| | | | | 1 | 24 | 26.87 | 21.29 |
| | | | | 12 | 0 | 27.11 | 20.53 |
| | | | | 12 | 6 | 27.14 | 20.53 |
| | | | | 12 | 11 | 27.07 | 20.39 |
| | | | | 25 | 0 | 27.40 | 20.28 |

Output power for LTE Band 25 (10 MHz)

| Bandwidth (MHz) | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------------|------------|-----------|-------|---------|-----------|----------------------|---------|
| 10.0 | 26090 | 1855.0 | QPSK | 1 | 0 | 27.12 | 22.47 |
| | | | | 1 | 24 | 26.54 | 22.61 |
| | | | | 1 | 49 | 26.86 | 22.56 |
| | | | | 25 | 0 | 26.33 | 21.48 |
| | | | | 25 | 12 | 26.10 | 21.57 |
| | | | | 25 | 24 | 26.14 | 21.49 |
| | | | | 50 | 0 | 27.06 | 21.51 |
| | | | 16QAM | 1 | 0 | 26.50 | 21.46 |
| | | | | 1 | 24 | 25.94 | 21.56 |
| | | | | 1 | 49 | 26.26 | 21.54 |
| | | | | 25 | 0 | 25.74 | 20.53 |
| | | | | 25 | 12 | 25.37 | 20.56 |
| | | | | 25 | 24 | 25.52 | 20.42 |
| | | | | 50 | 0 | 26.38 | 20.43 |
| 10.0 | 26365 | 1882.5 | QPSK | 1 | 0 | 27.05 | 22.75 |
| | | | | 1 | 24 | 26.92 | 22.76 |
| | | | | 1 | 49 | 27.01 | 22.71 |
| | | | | 25 | 0 | 26.77 | 21.75 |
| | | | | 25 | 12 | 26.44 | 21.71 |
| | | | | 25 | 24 | 26.54 | 21.62 |
| | | | | 50 | 0 | 27.24 | 21.66 |
| | | | 16QAM | 1 | 0 | 26.84 | 21.73 |
| | | | | 1 | 24 | 26.30 | 21.72 |
| | | | | 1 | 49 | 26.40 | 21.65 |
| | | | | 25 | 0 | 26.18 | 20.77 |
| | | | | 25 | 12 | 25.77 | 20.72 |
| | | | | 25 | 24 | 25.82 | 20.58 |
| | | | | 50 | 0 | 26.66 | 20.61 |
| 10.0 | 26640 | 1910.0 | QPSK | 1 | 0 | 27.20 | 22.58 |
| | | | | 1 | 24 | 27.35 | 22.53 |
| | | | | 1 | 49 | 27.20 | 22.22 |
| | | | | 25 | 0 | 26.98 | 21.49 |
| | | | | 25 | 12 | 27.07 | 21.39 |
| | | | | 25 | 24 | 27.20 | 21.15 |
| | | | | 50 | 0 | 27.48 | 21.29 |
| | | | 16QAM | 1 | 0 | 26.79 | 21.53 |
| | | | | 1 | 24 | 27.03 | 21.44 |
| | | | | 1 | 49 | 26.91 | 21.18 |
| | | | | 25 | 0 | 26.76 | 20.53 |
| | | | | 25 | 12 | 26.99 | 20.46 |
| | | | | 25 | 24 | 27.19 | 20.31 |
| | | | | 50 | 0 | 27.36 | 20.36 |

Output power for LTE Band 25 (15 MHz)

| Bandwidth (MHz) | UL Channel | Modulation | | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------------|------------|------------|--------|---------|-----------|----------------------|---------|
| 15 | 26115 | 1857.5 | QPSK | 1 | 0 | 27.09 | 22.52 |
| | | | | 1 | 37 | 26.57 | 22.55 |
| | | | | 1 | 74 | 27.76 | 22.56 |
| | | | | 36 | 0 | 26.12 | 21.36 |
| | | | | 36 | 16 | 25.62 | 21.28 |
| | | | | 36 | 35 | 26.40 | 21.44 |
| | | | | 75 | 0 | 27.20 | 21.42 |
| | | | 16-QAM | 1 | 0 | 26.39 | 21.39 |
| | | | | 1 | 37 | 25.93 | 21.44 |
| | | | | 1 | 74 | 27.20 | 21.54 |
| | | | | 36 | 0 | 25.76 | 20.36 |
| | | | | 36 | 16 | 25.49 | 20.38 |
| | | | | 36 | 35 | 26.06 | 20.39 |
| | | | | 75 | 0 | 26.54 | 20.46 |
| 15 | 26365 | 1882.5 | QPSK | 1 | 0 | 27.76 | 22.73 |
| | | | | 1 | 37 | 26.83 | 22.66 |
| | | | | 1 | 74 | 27.14 | 22.59 |
| | | | | 36 | 0 | 26.92 | 21.61 |
| | | | | 36 | 16 | 26.54 | 21.63 |
| | | | | 36 | 35 | 26.56 | 21.56 |
| | | | | 75 | 0 | 27.39 | 21.56 |
| | | | 16-QAM | 1 | 0 | 27.14 | 21.71 |
| | | | | 1 | 37 | 26.26 | 21.67 |
| | | | | 1 | 74 | 26.66 | 21.64 |
| | | | | 36 | 0 | 26.48 | 20.64 |
| | | | | 36 | 16 | 25.95 | 20.61 |
| | | | | 36 | 35 | 25.96 | 20.55 |
| | | | | 75 | 0 | 26.71 | 20.62 |
| 15 | 26615 | 1907.5 | QPSK | 1 | 0 | 27.96 | 22.53 |
| | | | | 1 | 37 | 27.01 | 22.57 |
| | | | | 1 | 74 | 27.29 | 22.22 |
| | | | | 36 | 0 | 27.31 | 21.54 |
| | | | | 36 | 16 | 27.08 | 21.51 |
| | | | | 36 | 35 | 27.29 | 21.37 |
| | | | | 75 | 0 | 27.74 | 21.41 |
| | | | 16-QAM | 1 | 0 | 27.54 | 21.43 |
| | | | | 1 | 37 | 26.66 | 21.52 |
| | | | | 1 | 74 | 26.95 | 21.10 |
| | | | | 36 | 0 | 27.34 | 20.47 |
| | | | | 36 | 16 | 27.02 | 20.50 |
| | | | | 36 | 35 | 27.21 | 20.37 |
| | | | | 75 | 0 | 27.53 | 20.40 |

Output power for LTE Band 25 (20 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|--------|---------|-----------|----------------------|---------|
| 20 | 26140 | 1860.0 | QPSK | 1 | 0 | 26.99 | 22.46 |
| | | | | 1 | 49 | 26.45 | 22.48 |
| | | | | 1 | 99 | 28.12 | 22.59 |
| | | | | 50 | 0 | 26.19 | 21.38 |
| | | | | 50 | 24 | 26.27 | 21.42 |
| | | | | 50 | 49 | 27.49 | 21.49 |
| | | | | 100 | 0 | 27.18 | 21.42 |
| | | | 16-QAM | 1 | 0 | 26.30 | 21.37 |
| | | | | 1 | 49 | 25.81 | 21.37 |
| | | | | 1 | 99 | 27.66 | 21.57 |
| | | | | 50 | 0 | 25.78 | 20.37 |
| | | | | 50 | 24 | 26.09 | 20.35 |
| | | | | 50 | 49 | 26.99 | 20.43 |
| | | | | 100 | 0 | 26.77 | 20.36 |
| 20 | 26365 | 1882.5 | QPSK | 1 | 0 | 27.96 | 22.61 |
| | | | | 1 | 49 | 26.83 | 22.72 |
| | | | | 1 | 99 | 27.53 | 22.55 |
| | | | | 50 | 0 | 27.22 | 21.56 |
| | | | | 50 | 24 | 26.64 | 21.59 |
| | | | | 50 | 49 | 26.81 | 21.53 |
| | | | | 100 | 0 | 27.38 | 21.57 |
| | | | 16-QAM | 1 | 0 | 27.39 | 21.58 |
| | | | | 1 | 49 | 26.27 | 21.72 |
| | | | | 1 | 99 | 26.97 | 21.54 |
| | | | | 50 | 0 | 26.59 | 20.51 |
| | | | | 50 | 24 | 25.98 | 20.63 |
| | | | | 50 | 49 | 26.20 | 20.47 |
| | | | | 100 | 0 | 26.90 | 20.56 |
| 20 | 26590 | 1905.0 | QPSK | 1 | 0 | 28.06 | 22.48 |
| | | | | 1 | 49 | 27.09 | 22.59 |
| | | | | 1 | 99 | 27.37 | 22.23 |
| | | | | 50 | 0 | 27.85 | 21.45 |
| | | | | 50 | 24 | 27.47 | 21.51 |
| | | | | 50 | 49 | 27.55 | 21.36 |
| | | | | 100 | 0 | 27.81 | 21.41 |
| | | | 16-QAM | 1 | 0 | 27.79 | 21.49 |
| | | | | 1 | 49 | 26.76 | 21.52 |
| | | | | 1 | 99 | 27.00 | 21.12 |
| | | | | 50 | 0 | 27.77 | 20.35 |
| | | | | 50 | 24 | 27.37 | 20.43 |
| | | | | 50 | 49 | 27.32 | 20.40 |
| | | | | 100 | 0 | 27.57 | 20.36 |

7.7. LTE BAND 26

Output power for LTE Band 26 (3.0 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|--------------|
| 3.0 | 26753 | 820.3 | QPSK | 1 | 0 | 27.73 | 23.46 |
| | | | | 1 | 7 | 27.94 | 23.35 |
| | | | | 1 | 14 | 28.14 | 23.44 |
| | | | | 3 | 0 | 27.61 | 22.41 |
| | | | | 3 | 4 | 27.34 | 22.45 |
| | | | | 3 | 17 | 27.46 | 22.33 |
| | | | | 6 | 0 | 27.82 | 22.38 |
| | | | 16QAM | 1 | 0 | 27.38 | 22.44 |
| | | | | 1 | 7 | 27.56 | 22.36 |
| | | | | 1 | 14 | 27.73 | 22.32 |
| | | | | 3 | 0 | 27.12 | 21.51 |
| | | | | 3 | 4 | 27.03 | 21.47 |
| | | | | 3 | 17 | 27.14 | 21.37 |
| | | | | 6 | 0 | 27.66 | 21.42 |
| 3.0 | 26763 | 821.3 | QPSK | 1 | 0 | 28.36 | 23.40 |
| | | | | 1 | 7 | 28.23 | 23.34 |
| | | | | 1 | 14 | 28.17 | 23.37 |
| | | | | 3 | 0 | 27.72 | 22.39 |
| | | | | 3 | 4 | 27.60 | 22.24 |
| | | | | 3 | 17 | 27.66 | 22.30 |
| | | | | 6 | 0 | 28.46 | 22.31 |
| | | | 16QAM | 1 | 0 | 28.03 | 22.39 |
| | | | | 1 | 7 | 27.83 | 22.26 |
| | | | | 1 | 14 | 27.82 | 22.30 |
| | | | | 3 | 0 | 27.46 | 21.50 |
| | | | | 3 | 4 | 27.29 | 21.38 |
| | | | | 3 | 17 | 27.35 | 21.40 |
| | | | | 6 | 0 | 28.01 | 21.37 |
| 3.0 | 26773 | 822.3 | QPSK | 1 | 0 | 28.37 | 23.35 |
| | | | | 1 | 7 | 28.29 | 23.31 |
| | | | | 1 | 14 | 28.11 | 23.36 |
| | | | | 3 | 0 | 27.90 | 22.15 |
| | | | | 3 | 4 | 27.97 | 22.31 |
| | | | | 3 | 17 | 27.59 | 22.24 |
| | | | | 6 | 0 | 28.43 | 22.21 |
| | | | 16QAM | 1 | 0 | 28.14 | 22.23 |
| | | | | 1 | 7 | 28.00 | 22.17 |
| | | | | 1 | 14 | 27.92 | 22.26 |
| | | | | 3 | 0 | 27.51 | 21.24 |
| | | | | 3 | 4 | 27.51 | 21.34 |
| | | | | 3 | 17 | 27.54 | 21.41 |
| | | | | 6 | 0 | 27.83 | 21.25 |

Output power for LTE Band 26 (5.0 MHz)

| Bandwidth | UL Channel | Frequency | Mode | RB Size | RB Offset | Max Peak Power (dBm) | Average |
|-----------|------------|-----------|-------|---------|-----------|----------------------|--------------|
| 5.0 | 26738 | 818.8 | QPSK | 1 | 0 | 27.56 | 23.50 |
| | | | | 1 | 12 | 27.70 | 23.42 |
| | | | | 1 | 24 | 28.01 | 23.47 |
| | | | | 12 | 0 | 27.74 | 22.42 |
| | | | | 12 | 6 | 27.88 | 22.44 |
| | | | | 12 | 11 | 28.06 | 22.44 |
| | | | | 25 | 0 | 28.13 | 22.35 |
| | | | 16QAM | 1 | 0 | 27.44 | 22.53 |
| | | | | 1 | 12 | 27.69 | 22.37 |
| | | | | 1 | 24 | 28.08 | 22.47 |
| | | | | 12 | 0 | 27.24 | 21.48 |
| | | | | 12 | 6 | 27.37 | 21.59 |
| | | | | 12 | 11 | 27.41 | 21.51 |
| | | | | 25 | 0 | 27.82 | 21.37 |
| 5.0 | 26763 | 821.3 | QPSK | 1 | 0 | 27.99 | 23.50 |
| | | | | 1 | 12 | 27.78 | 23.37 |
| | | | | 1 | 24 | 27.73 | 23.47 |
| | | | | 12 | 0 | 28.09 | 22.39 |
| | | | | 12 | 6 | 27.89 | 22.26 |
| | | | | 12 | 11 | 27.91 | 22.31 |
| | | | | 25 | 0 | 28.15 | 22.23 |
| | | | 16QAM | 1 | 0 | 28.04 | 22.41 |
| | | | | 1 | 12 | 27.90 | 22.36 |
| | | | | 1 | 24 | 27.74 | 22.40 |
| | | | | 12 | 0 | 27.55 | 21.53 |
| | | | | 12 | 6 | 27.41 | 21.45 |
| | | | | 12 | 11 | 27.38 | 21.49 |
| | | | | 25 | 0 | 27.99 | 21.35 |
| 5.0 | 26788 | 823.8 | QPSK | 1 | 0 | 28.04 | 23.32 |
| | | | | 1 | 12 | 27.85 | 23.31 |
| | | | | 1 | 24 | 27.81 | 23.43 |
| | | | | 12 | 0 | 28.33 | 22.23 |
| | | | | 12 | 6 | 28.21 | 22.16 |
| | | | | 12 | 11 | 28.07 | 22.19 |
| | | | | 25 | 0 | 28.28 | 22.13 |
| | | | 16QAM | 1 | 0 | 28.32 | 22.32 |
| | | | | 1 | 12 | 28.12 | 22.27 |
| | | | | 1 | 24 | 28.00 | 22.32 |
| | | | | 12 | 0 | 27.80 | 21.29 |
| | | | | 12 | 6 | 27.76 | 21.37 |
| | | | | 12 | 11 | 27.68 | 21.34 |
| | | | | 25 | 0 | 28.09 | 21.17 |

8. CONDUCTED TEST RESULTS

8.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

LIMITS

For reporting purposes only

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The -26dB bandwidth was also measured and recorded.

MODES TESTED

- LTE Band 2
- LTE Band 4
- LTE Band 5
- LTE Band 13
- LTE Band 17
- LTE Band 25
- LTE Band 26

RESULTS

| Band | Mode | RB/RB SIZE | f (MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|-----------------------|-----------------------|------------|---------------|---------------|----------------|
| LTE BAND 2 | 1.4 MHz BAND QPSK | 3/2 | 1850.7 | 0.55725 | 0.8922 |
| | | 6/0 | | 1.0630 | 1.184 |
| | 1.4 MHz BAND QPSK | 3/2 | 1880.0 | 0.56823 | 0.731 |
| | | 6/0 | | 1.0808 | 1.223 |
| | 1.4 MHz BAND QPSK | 3/2 | 1909.3 | 0.56192 | 0.7521 |
| | | 6/0 | | 1.0878 | 1.269 |
| | 1.4 MHz BAND 16QAM | 3/2 | 1850.7 | 0.57943 | 0.8074 |
| | | 6/0 | | 1.0754 | 1.225 |
| | 1.4 MHz BAND 16QAM | 3/2 | 1880.0 | 0.56665 | 0.7935 |
| | | 6/0 | | 1.0702 | 1.183 |
| | 1.4 MHz BAND 16QAM | 3/2 | 1909.3 | 0.56129 | 0.8919 |
| | | 6/0 | | 1.0690 | 1.264 |
| | 3.0 MHz BAND QPSK | 8/4 | 1851.5 | 1.4991 | 1.790 |
| | | 15/0 | | 2.6938 | 2.970 |
| | 3.0 MHz BAND QPSK | 8/4 | 1880.0 | 1.5140 | 1.758 |
| | | 15/0 | | 2.7344 | 2.919 |
| | 3.0 MHz BAND QPSK | 8/4 | 1908.5 | 1.4786 | 2.007 |
| | | 15/0 | | 2.7273 | 2.934 |
| | 3.0 MHz BAND 16QAM | 8/4 | 1851.5 | 1.4801 | 2.005 |
| | | 15/0 | | 2.7202 | 3.007 |
| | 3.0 MHz BAND 16QAM | 8/4 | 1880 | 1.4767 | 1.879 |
| | | 15/0 | | 2.7477 | 2.941 |
| | 3.0 MHz BAND 16QAM | 8/4 | 1908.5 | 1.4703 | 1.970 |
| | | 15/0 | | 2.7283 | 3.040 |
| | 5.0 MHz BAND QPSK | 12/6 | 1852.5 | 2.1676 | 2.576 |
| | | 25/0 | | 4.4781 | 4.768 |
| | 5.0 MHz BAND QPSK | 12/6 | 1880.0 | 2.1670 | 2.469 |
| | | 25/0 | | 4.4803 | 4.779 |
| | 5.0 MHz BAND QPSK | 12/6 | 1907.5 | 2.1546 | 2.661 |
| | | 25/0 | | 4.4483 | 4.717 |
| 5.0 MHz BAND 16QAM | 12/6 | 1852.5 | 2.1651 | 2.681 | |
| | 25/0 | | 4.4462 | 4.673 | |
| 5.0 MHz BAND 16QAM | 12/6 | 1880.0 | 2.1557 | 2.504 | |
| | 25/0 | | 4.4691 | 4.788 | |
| 5.0 MHz BAND 16QAM | 12/6 | 1907.5 | 2.1343 | 2.646 | |
| | 25/0 | | 4.4715 | 4.732 | |

| Band | Mode | RB/RB SIZE | f (MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|----------------------|----------------------|------------|---------------|---------------|----------------|
| LTE BAND 2 | 10 MHz BAND QPSK | 25/12 | 1855.0 | 4.4509 | 5.191 |
| | | 50/0 | | 8.8947 | 9.582 |
| | 10 MHz BAND QPSK | 25/12 | 1880.0 | 4.4940 | 5.441 |
| | | 50/0 | | 8.9957 | 9.451 |
| | 10 MHz BAND QPSK | 25/12 | 1905.0 | 4.4768 | 5.261 |
| | | 50/0 | | 8.9451 | 9.365 |
| | 10 MHz BAND 16QAM | 25/12 | 1855.0 | 4.4988 | 5.194 |
| | | 50/0 | | 9.0268 | 9.361 |
| | 10 MHz BAND 16QAM | 25/12 | 1880.0 | 4.4306 | 5.259 |
| | | 50/0 | | 9.0037 | 9.571 |
| | 10 MHz BAND 16QAM | 25/12 | 1905.0 | 4.4372 | 5.328 |
| | | 50/0 | | 8.9824 | 9.251 |
| | 15 MHz BAND QPSK | 36/18 | 1857.5 | 6.3911 | 6.854 |
| | | 75/0 | | 13.423 | 14.06 |
| | 15 MHz BAND QPSK | 36/18 | 1880 | 6.4993 | 7.120 |
| | | 75/0 | | 13.325 | 13.85 |
| | 15 MHz BAND QPSK | 36/18 | 1902.5 | 6.4875 | 6.858 |
| | | 75/0 | | 13.423 | 13.94 |
| | 15 MHz BAND 16QAM | 36/18 | 1857.5 | 6.4436 | 7.194 |
| | | 75/0 | | 13.379 | 14.51 |
| | 15 MHz BAND 16QAM | 36/18 | 1880 | 6.5079 | 7.076 |
| | | 75/0 | | 13.325 | 13.85 |
| | 15 MHz BAND 16QAM | 36/18 | 1902.5 | 6.5274 | 7.110 |
| | | 75/0 | | 13.402 | 13.98 |
| | 20 MHz BAND QPSK | 50/19 | 1860 | 8.9505 | 9.474 |
| | | 100/0 | | 17.875 | 18.70 |
| | 20 MHz BAND QPSK | 50/19 | 1880 | 8.9934 | 9.650 |
| | | 100/0 | | 17.849 | 18.72 |
| 20 MHz BAND QPSK | 50/19 | 1900 | 9.0239 | 9.567 | |
| | 100/0 | | 17.791 | 18.70 | |
| 20 MHz BAND 16QAM | 50/19 | 1860 | 8.9457 | 10.69 | |
| | 100/0 | | 17.868 | 18.90 | |
| 20 MHz BAND 16QAM | 50/19 | 1880 | 8.8482 | 9.376 | |
| | 100/0 | | 18.015 | 18.73 | |
| 20 MHz BAND 16QAM | 50/19 | 1900 | 8.9323 | 9.321 | |
| | 100/0 | | 17.810 | 18.77 | |

| Band | Mode | RB/RB SIZE | f (MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|-----------------------|-----------------------|------------|---------------|---------------|----------------|
| LTE BAND 4 | 1.4 MHz BAND QPSK | 3/2 | 1710.7 | 0.56603 | 0.8062 |
| | | 6/0 | | 1.0849 | 1.215 |
| | 1.4 MHz BAND QPSK | 3/2 | 1732.5 | 0.56159 | 0.806 |
| | | 6/0 | | 1.0913 | 1.159 |
| | 1.4 MHz BAND QPSK | 3/2 | 1754.3 | 0.57174 | 0.765 |
| | | 6/0 | | 1.0866 | 1.202 |
| | 1.4 MHz BAND 16QAM | 3/2 | 1710.7 | 0.56497 | 0.9008 |
| | | 6/0 | | 1.0844 | 1.224 |
| | 1.4 MHz BAND 16QAM | 3/2 | 1732.5 | 0.57061 | 0.8264 |
| | | 6/0 | | 1.0752 | 1.264 |
| | 1.4 MHz BAND 16QAM | 3/2 | 1754.3 | 0.56949 | 0.7511 |
| | | 6/0 | | 1.0863 | 1.245 |
| | 3.0 MHz BAND QPSK | 8/4 | 1711.5 | 1.4679 | 1.755 |
| | | 15/0 | | 2.6932 | 2.881 |
| | 3.0 MHz BAND QPSK | 8/4 | 1732.5 | 1.4517 | 1.752 |
| | | 15/0 | | 2.6765 | 2.813 |
| | 3.0 MHz BAND QPSK | 8/4 | 1753.5 | 1.4474 | 1.595 |
| | | 15/0 | | 2.6770 | 2.815 |
| | 3.0 MHz BAND 16QAM | 8/4 | 1711.5 | 1.4467 | 1.933 |
| | | 15/0 | | 2.6980 | 2.913 |
| | 3.0 MHz BAND 16QAM | 8/4 | 1732.5 | 1.4555 | 2.038 |
| | | 15/0 | | 2.6872 | 2.968 |
| | 3.0 MHz BAND 16QAM | 8/4 | 1753.5 | 1.4066 | 1.650 |
| | | 15/0 | | 2.7116 | 2.817 |
| | 5.0 MHz BAND QPSK | 12/6 | 1712.5 | 2.1324 | 2.504 |
| | | 25/0 | | 4.4885 | 4.817 |
| | 5.0 MHz BAND QPSK | 12/6 | 1732.5 | 2.1309 | 2.327 |
| | | 25/0 | | 4.4800 | 4.732 |
| | 5.0 MHz BAND QPSK | 12/6 | 1752.5 | 2.1882 | 2.627 |
| | | 25/0 | | 4.5084 | 4.743 |
| 5.0 MHz BAND 16QAM | 12/6 | 1712.5 | 2.1425 | 2.743 | |
| | 25/0 | | 4.4385 | 4.815 | |
| 5.0 MHz BAND 16QAM | 12/6 | 1732.5 | 2.1670 | 2.327 | |
| | 25/0 | | 4.4843 | 4.736 | |
| 5.0 MHz BAND 16QAM | 12/6 | 1752.5 | 2.1458 | 2.748 | |
| | 25/0 | | 4.4496 | 4.666 | |

| Band | Mode | RB/RB SIZE | f (MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|----------------------|----------------------|------------|---------------|---------------|----------------|
| LTE BAND 4 | 10 MHz BAND QPSK | 25/12 | 1715.0 | 4.4583 | 5.149 |
| | | 50/0 | | 9.0015 | 9.333 |
| | 10 MHz BAND QPSK | 25/12 | 1732.5 | 4.4981 | 5.111 |
| | | 50/0 | | 8.9449 | 9.530 |
| | 10 MHz BAND QPSK | 25/12 | 1750.0 | 4.4775 | 4.869 |
| | | 50/0 | | 8.9898 | 9.311 |
| | 10 MHz BAND 16QAM | 25/12 | 1715.0 | 4.5180 | 5.439 |
| | | 50/0 | | 8.9650 | 9.302 |
| | 10 MHz BAND 16QAM | 25/12 | 1732.5 | 4.4073 | 5.016 |
| | | 50/0 | | 8.9096 | 9.312 |
| | 10 MHz BAND 16QAM | 25/12 | 1750.0 | 4.4705 | 4.878 |
| | | 50/0 | | 8.9641 | 9.420 |
| | 15 MHz BAND QPSK | 36/16 | 1717.5 | 6.4054 | 7.088 |
| | | 75/0 | | 13.645 | 14.41 |
| | 15 MHz BAND QPSK | 36/16 | 1732.5 | 6.4807 | 7.531 |
| | | 75/0 | | 13.601 | 14.53 |
| | 15 MHz BAND QPSK | 36/16 | 1747.5 | 6.4949 | 7.508 |
| | | 75/0 | | 13.463 | 14.61 |
| | 15 MHz BAND 16QAM | 36/16 | 1717.5 | 6.4891 | 7.091 |
| | | 75/0 | | 13.483 | 14.43 |
| | 15 MHz BAND 16QAM | 36/16 | 1732.5 | 6.4664 | 7.086 |
| | | 75/0 | | 13.702 | 14.39 |
| | 15 MHz BAND 16QAM | 36/16 | 1747.5 | 6.5052 | 7.036 |
| | | 75/0 | | 13.629 | 14.42 |
| | 20 MHz BAND QPSK | 50/24 | 1720.0 | 8.8938 | 9.657 |
| | | 100/0 | | 17.882 | 19.01 |
| | 20 MHz BAND QPSK | 50/24 | 1732.5 | 8.9984 | 9.537 |
| | | 100/0 | | 17.866 | 18.75 |
| 20 MHz BAND QPSK | 50/24 | 1745.0 | 8.9214 | 9.535 | |
| | 100/0 | | 18.075 | 18.97 | |
| 20 MHz BAND 16QAM | 50/24 | 1720.0 | 8.8797 | 9.702 | |
| | 100/0 | | 17.859 | 19.00 | |
| 20 MHz BAND 16QAM | 50/24 | 1732.5 | 8.9745 | 10.01 | |
| | 100/0 | | 17.919 | 18.93 | |
| 20 MHz BAND 16QAM | 50/24 | 1745.0 | 8.9349 | 9.384 | |
| | 100/0 | | 17.869 | 18.78 | |

| Band | Mode | RB/RB SIZE | f (MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|-----------------------|-----------------------|------------|---------------|---------------|----------------|
| LTE BAND 5 | 1.4 MHz BAND QPSK | 3/2 | 824.7 | 0.57042 | 0.8398 |
| | | 6/0 | | 1.0903 | 1.181 |
| | 1.4 MHz BAND QPSK | 3/2 | 836.5 | 0.59015 | 0.7866 |
| | | 6/0 | | 1.0756 | 1.204 |
| | 1.4 MHz BAND QPSK | 3/2 | 848.3 | 0.56202 | 0.8584 |
| | | 6/0 | | 1.0852 | 1.225 |
| | 1.4 MHz BAND 16QAM | 3/2 | 824.7 | 0.57798 | 0.8352 |
| | | 6/0 | | 1.0694 | 1.215 |
| | 1.4 MHz BAND 16QAM | 3/2 | 836.5 | 0.55777 | 0.8479 |
| | | 6/0 | | 1.0676 | 1.193 |
| | 1.4 MHz BAND 16QAM | 3/2 | 848.3 | 0.55061 | 0.7533 |
| | | 6/0 | | 1.0899 | 1.223 |
| | 3.0 MHz BAND QPSK | 8/4 | 825.5 | 1.4694 | 1.823 |
| | | 15/0 | | 2.6850 | 2.861 |
| | 3.0 MHz BAND QPSK | 8/4 | 836.5 | 1.4191 | 1.753 |
| | | 15/0 | | 2.6717 | 2.878 |
| | 3.0 MHz BAND QPSK | 8/4 | 847.5 | 1.4534 | 1.721 |
| | | 15/0 | | 2.6644 | 2.863 |
| | 3.0 MHz BAND 16QAM | 8/4 | 825.5 | 1.4592 | 1.826 |
| | | 15/0 | | 2.6905 | 2.860 |
| | 3.0 MHz BAND 16QAM | 8/4 | 836.5 | 1.4514 | 1.877 |
| | | 15/0 | | 2.6723 | 2.947 |
| | 3.0 MHz BAND 16QAM | 8/4 | 847.5 | 1.4465 | 1.788 |
| | | 15/0 | | 2.6738 | 2.880 |
| 5.0 MHz BAND QPSK | 12/6 | 821.5 | 2.1656 | 2.436 | |
| | 25/0 | | 4.4571 | 4.762 | |
| 5.0 MHz BAND QPSK | 12/6 | 836.5 | 2.1505 | 2.559 | |
| | 25/0 | | 4.4561 | 4.767 | |
| 5.0 MHz BAND QPSK | 12/6 | 846.5 | 2.1657 | 2.593 | |
| | 25/0 | | 4.4444 | 4.691 | |
| 5.0 MHz BAND 16QAM | 12/6 | 821.5 | 2.1775 | 2.878 | |
| | 25/0 | | 4.5059 | 4.767 | |
| 5.0 MHz BAND 16QAM | 12/6 | 836.5 | 2.1499 | 2.504 | |
| | 25/0 | | 4.4960 | 4.695 | |
| 5.0 MHz BAND 16QAM | 12/6 | 846.5 | 2.1600 | 2.606 | |
| | 25/0 | | 4.4548 | 4.774 | |

| Band | Mode | RB/RB SIZE | f (MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|------------|-------------------|------------|---------|---------------|----------------|
| LTE BAND 5 | 10 MHz BAND QPSK | 25/12 | 829.0 | 4.4731 | 5.331 |
| | | 50/0 | | 8.9754 | 9.354 |
| | 10 MHz BAND QPSK | 25/12 | 836.5 | 4.4591 | 5.082 |
| | | 50/0 | | 8.8759 | 9.361 |
| | 10 MHz BAND QPSK | 25/12 | 844.0 | 4.4699 | 5.264 |
| | | 50/0 | | 8.8400 | 9.374 |
| | 10 MHz BAND 16QAM | 25/12 | 829.0 | 4.5003 | 5.259 |
| | | 50/0 | | 8.9534 | 9.299 |
| | 10 MHz BAND 16QAM | 25/12 | 836.5 | 4.5087 | 4.827 |
| | | 50/0 | | 8.9248 | 9.515 |
| | 10 MHz BAND 16QAM | 25/12 | 844.0 | 4.4831 | 5.575 |
| | | 50/0 | | 8.8528 | 9.514 |

| Band | Mode | RB/RB SIZE | f (MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|-------------------|--------------------|------------|---------------|---------------|----------------|
| LTE BAND 13 | 5.0 MHz BAND QPSK | 12/6 | 779.5 | 2.1618 | 2.592 |
| | | 25/0 | | 4.4856 | 4.823 |
| | 5.0 MHz BAND QPSK | 12/6 | 782.0 | 2.1562 | 2.878 |
| | | 25/0 | | 4.4592 | 2.836 |
| | 5.0 MHz BAND QPSK | 12/6 | 784.5 | 2.1665 | 2.574 |
| | | 25/0 | | 4.4615 | 4.838 |
| | 5.0 MHz BAND 16QAM | 12/6 | 779.5 | 2.1864 | 2.718 |
| | | 25/0 | | 4.4545 | 4.837 |
| | 5.0 MHz BAND 16QAM | 12/6 | 782.0 | 2.1552 | 2.561 |
| | | 25/0 | | 4.4935 | 4.759 |
| | 5.0 MHz BAND 16QAM | 12/6 | 784.5 | 2.1427 | 2.753 |
| | | 25/0 | | 4.4984 | 4.704 |
| | 10 MHz BAND QPSK | 25/12 | 782.0 | 4.5146 | 5.257 |
| | | 50/0 | | 8.9721 | 9.527 |
| 10 MHz BAND 16QAM | 25/12 | 782.0 | 4.5110 | 4.945 | |
| | 50/0 | | 8.9157 | 9.490 | |

| Band | Mode | RB/RB SIZE | f (MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|----------------------|-----------------------|------------|---------------|---------------|----------------|
| LTE BAND 17 | 5.0 MHz BAND QPSK | 12/6 | 706.5 | 2.1403 | 2.538 |
| | | 25/0 | | 4.5039 | 4.698 |
| | 5.0 MHz BAND QPSK | 12/6 | 710.0 | 2.1669 | 2.537 |
| | | 25/0 | | 4.4665 | 4.689 |
| | 5.0 MHz BAND QPSK | 12/6 | 713.5 | 2.1572 | 2.595 |
| | | 25/0 | | 4.4772 | 4.705 |
| | 5.0 MHz BAND 16QAM | 12/6 | 706.5 | 2.1566 | 2.396 |
| | | 25/0 | | 4.4672 | 4.699 |
| | 5.0 MHz BAND 16QAM | 12/6 | 710.0 | 2.1657 | 2.717 |
| | | 25/0 | | 4.4449 | 4.765 |
| | 5.0 MHz BAND 16QAM | 12/6 | 713.5 | 2.1527 | 2.665 |
| | | 25/0 | | 4.4958 | 4.776 |
| | 10 MHz BAND QPSK | 25/12 | 709.0 | 4.4820 | 5.080 |
| | | 50/0 | | 8.9705 | 9.295 |
| | 10 MHz BAND QPSK | 25/12 | 710.0 | 4.4993 | 5.041 |
| | | 50/0 | | 8.8975 | 9.519 |
| | 10 MHz BAND QPSK | 25/12 | 711.0 | 4.4956 | 5.251 |
| | | 50/0 | | 8.9435 | 9.532 |
| 10 MHz BAND 16QAM | 25/12 | 709.0 | 4.4634 | 4.941 | |
| | 50/0 | | 8.9686 | 9.362 | |
| 10 MHz BAND 16QAM | 25/12 | 710.0 | 4.4839 | 5.506 | |
| | 50/0 | | 8.9002 | 9.318 | |
| 10 MHz BAND 16QAM | 25/12 | 711.0 | 4.4585 | 5.328 | |
| | 50/0 | | 8.9362 | 9.373 | |

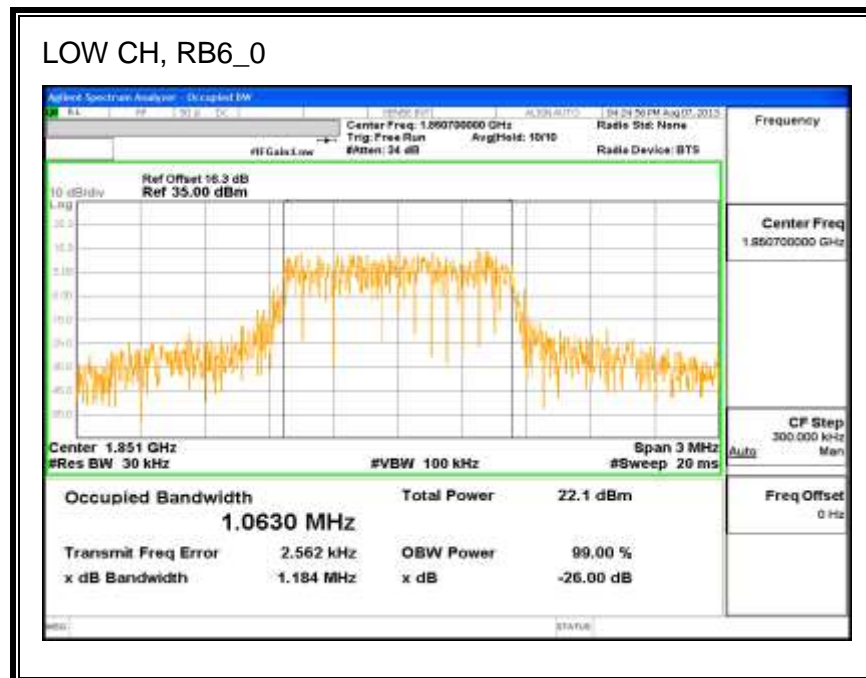
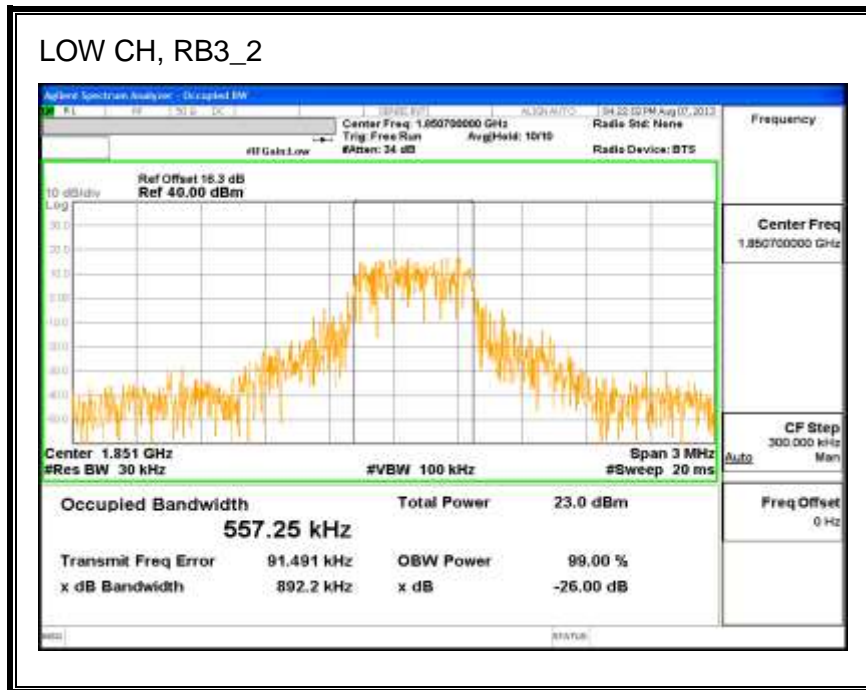
| Band | Mode | RB/RB SIZE | f (MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|-----------------------|-----------------------|------------|---------------|---------------|----------------|
| LTE BAND 25 | 1.4 MHz BAND QPSK | 3/2 | 1850.7 | 0.54401 | 0.816 |
| | | 6/0 | | 1.1908 | 1.428 |
| | 1.4 MHz BAND QPSK | 3/2 | 1882.5 | 0.57509 | 0.7738 |
| | | 6/0 | | 1.2373 | 1.405 |
| | 1.4 MHz BAND QPSK | 3/2 | 1914.3 | 0.56949 | 0.9558 |
| | | 6/0 | | 1.1886 | 1.453 |
| | 1.4 MHz BAND 16QAM | 3/2 | 1850.7 | 0.57043 | 0.9135 |
| | | 6/0 | | 1.1948 | 1.379 |
| | 1.4 MHz BAND 16QAM | 3/2 | 1882.5 | 0.56162 | 0.8903 |
| | | 6/0 | | 1.1842 | 1.407 |
| | 1.4 MHz BAND 16QAM | 3/2 | 1914.3 | 0.56798 | 0.7626 |
| | | 6/0 | | 1.1994 | 1.421 |
| | 3.0 MHz BAND QPSK | 8/4 | 1851.5 | 1.4634 | 2.002 |
| | | 15/0 | | 2.7105 | 3.006 |
| | 3.0 MHz BAND QPSK | 8/4 | 1882.5 | 1.4503 | 1.701 |
| | | 15/0 | | 2.7028 | 2.920 |
| | 3.0 MHz BAND QPSK | 8/4 | 1913.5 | 1.4495 | 1.825 |
| | | 15/0 | | 2.7151 | 2.970 |
| | 3.0 MHz BAND 16QAM | 8/4 | 1851.5 | 1.4609 | 1.579 |
| | | 15/0 | | 2.7159 | 2.971 |
| | 3.0 MHz BAND 16QAM | 8/4 | 1882.5 | 1.4460 | 2.004 |
| | | 15/0 | | 2.7297 | 3.036 |
| | 3.0 MHz BAND 16QAM | 8/4 | 1913.5 | 1.4412 | 1.971 |
| | | 15/0 | | 2.7145 | 3.042 |
| | 5.0 MHz BAND QPSK | 12/6 | 1852.5 | 2.1746 | 2.537 |
| | | 25/0 | | 4.4665 | 4.792 |
| | 5.0 MHz BAND QPSK | 12/6 | 1882.5 | 2.1456 | 2.719 |
| | | 25/0 | | 4.4747 | 4.768 |
| | 5.0 MHz BAND QPSK | 12/6 | 1912.5 | 2.1446 | 2.754 |
| | | 25/0 | | 4.4685 | 4.692 |
| 5.0 MHz BAND 16QAM | 12/6 | 1852.5 | 2.1469 | 2.697 | |
| | 25/0 | | 4.4520 | 4.827 | |
| 5.0 MHz BAND 16QAM | 12/6 | 1882.5 | 2.1323 | 2.382 | |
| | 25/0 | | 4.4115 | 4.780 | |
| 5.0 MHz BAND 16QAM | 12/6 | 1912.5 | 2.1647 | 2.720 | |
| | 25/0 | | 4.4503 | 4.783 | |

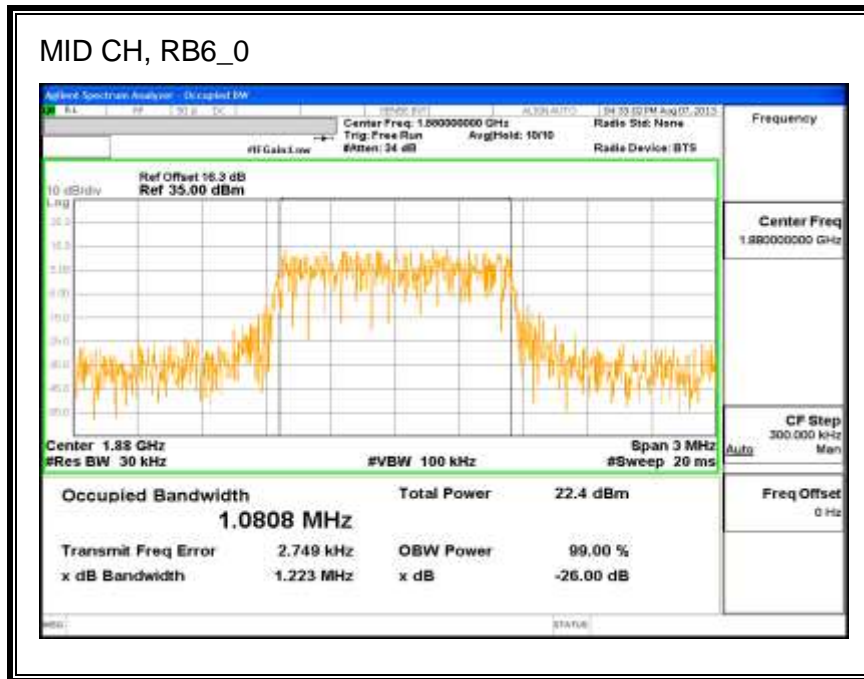
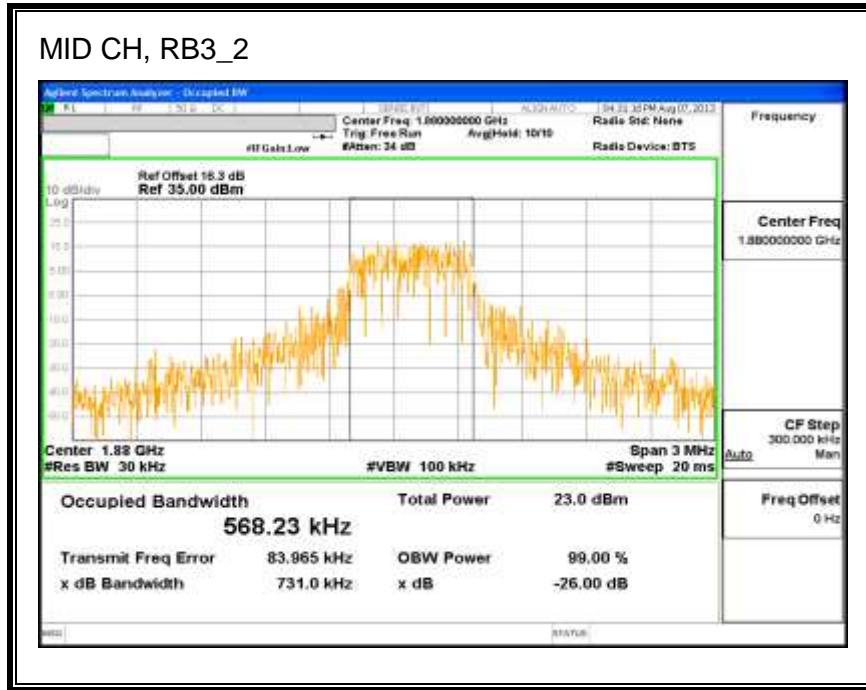
| Band | Mode | RB/RB SIZE | f (MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|----------------------|----------------------|------------|---------------|---------------|----------------|
| LTE BAND 25 | 10 MHz BAND QPSK | 25/12 | 1855.0 | 4.5116 | 5.081 |
| | | 50/0 | | 8.9096 | 9.316 |
| | 10 MHz BAND QPSK | 25/12 | 1882.5 | 4.4774 | 5.185 |
| | | 50/0 | | 8.9316 | 9.451 |
| | 10 MHz BAND QPSK | 25/12 | 1910.0 | 4.4736 | 5.755 |
| | | 50/0 | | 8.8517 | 9.324 |
| | 10 MHz BAND 16QAM | 25/12 | 1855.0 | 4.4846 | 5.258 |
| | | 50/0 | | 8.9207 | 9.306 |
| | 10 MHz BAND 16QAM | 25/12 | 1882.5 | 4.4790 | 5.683 |
| | | 50/0 | | 8.9895 | 9.316 |
| | 10 MHz BAND 16QAM | 25/12 | 1910.0 | 4.5125 | 4.832 |
| | | 50/0 | | 8.8949 | 9.367 |
| | 15 MHz BAND QPSK | 36/16 | 1857.5 | 6.4812 | 6.804 |
| | | 75/0 | | 13.338 | 13.97 |
| | 15 MHz BAND QPSK | 36/16 | 1882.5 | 6.5002 | 7.024 |
| | | 75/0 | | 13.357 | 13.82 |
| | 15 MHz BAND QPSK | 36/16 | 1907.5 | 6.4616 | 7.064 |
| | | 75/0 | | 13.333 | 13.94 |
| | 15 MHz BAND 16QAM | 36/16 | 1857.5 | 6.5485 | 6.943 |
| | | 75/0 | | 13.301 | 14.00 |
| | 15 MHz BAND 16QAM | 36/16 | 1882.5 | 6.5035 | 7.518 |
| | | 75/0 | | 13.378 | 14.18 |
| | 15 MHz BAND 16QAM | 36/16 | 1907.5 | 6.5440 | 7.056 |
| | | 75/0 | | 13.305 | 13.83 |
| | 20 MHz BAND QPSK | 50/24 | 1860.0 | 8.9417 | 9.650 |
| | | 100/0 | | 17.855 | 18.77 |
| | 20 MHz BAND QPSK | 50/24 | 1882.5 | 8.9503 | 10.23 |
| | | 100/0 | | 17.845 | 18.79 |
| 20 MHz BAND QPSK | 50/24 | 1905.0 | 8.9556 | 9.900 | |
| | 100/0 | | 17.724 | 18.74 | |
| 20 MHz BAND 16QAM | 50/24 | 1860.0 | 8.9930 | 9.541 | |
| | 100/0 | | 17.898 | 18.76 | |
| 20 MHz BAND 16QAM | 50/24 | 1882.5 | 8.9438 | 9.835 | |
| | 100/0 | | 17.898 | 18.72 | |
| 20 MHz BAND 16QAM | 50/24 | 1905 | 8.9826 | 9.870 | |
| | 100/0 | | 17.872 | 18.74 | |

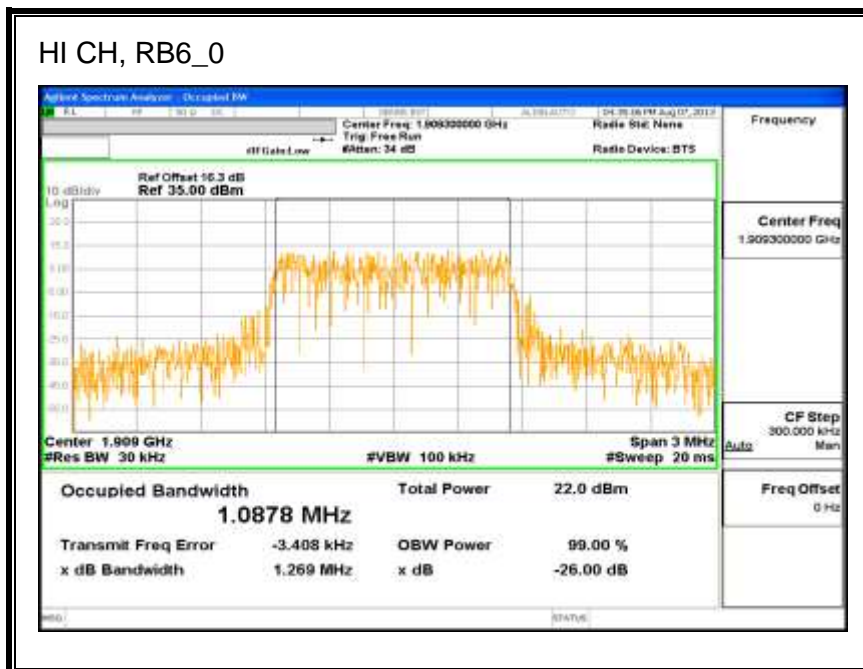
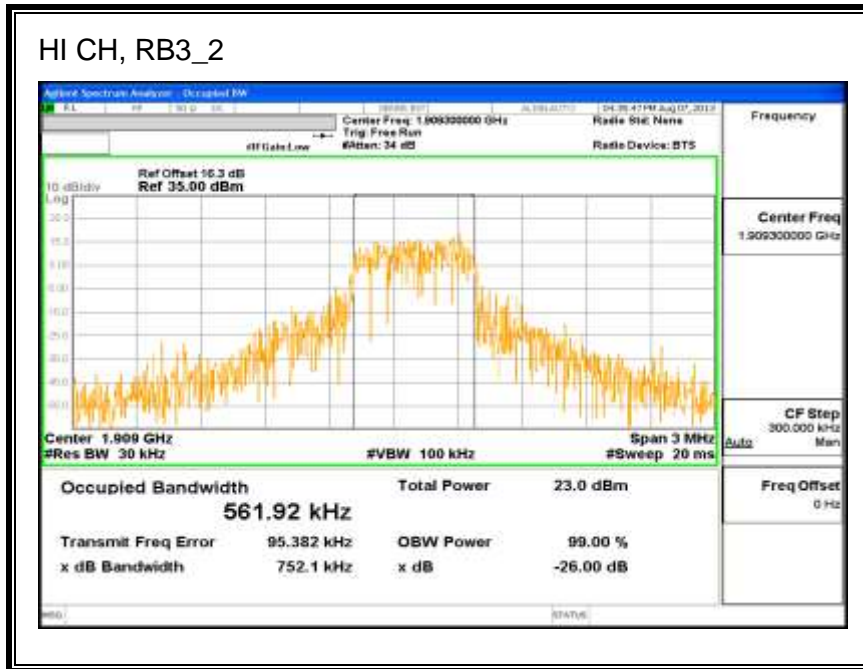
| Band | Mode | RB/RB SIZE | f (MHz) | 99% BW (MHz) | -26dB BW (MHz) |
|-----------------------|-----------------------|------------|---------------|---------------|----------------|
| LTE BAND 26 | 3.0 MHz BAND QPSK | 8/4 | 820.3 | 1.4308 | 1.761 |
| | | 15/0 | | 2.6744 | 2.830 |
| | 3.0 MHz BAND QPSK | 8/4 | 821.3 | 1.4171 | 1.781 |
| | | 15/0 | | 2.6797 | 2.914 |
| | 3.0 MHz BAND QPSK | 8/4 | 822.3 | 1.4499 | 1.781 |
| | | 15/0 | | 2.6957 | 2.878 |
| | 3.0 MHz BAND 16QAM | 8/4 | 820.3 | 1.4352 | 1.747 |
| | | 15/0 | | 2.6887 | 2.850 |
| | 3.0 MHz BAND 16QAM | 8/4 | 821.3 | 1.4421 | 1.693 |
| | | 15/0 | | 2.6734 | 2.860 |
| | 3.0 MHz BAND 16QAM | 8/4 | 822.3 | 1.4468 | 1.822 |
| | | 15/0 | | 2.6978 | 2.916 |
| | 5.0 MHz BAND QPSK | 12/6 | 818.8 | 2.1554 | 2.844 |
| | | 25/0 | | 4.4630 | 4.768 |
| | 5.0 MHz BAND QPSK | 12/6 | 821.3 | 2.1793 | 2.752 |
| | | 25/0 | | 4.4575 | 4.685 |
| | 5.0 MHz BAND QPSK | 12/6 | 823.8 | 2.1745 | 2.844 |
| | | 25/0 | | 4.4573 | 4.864 |
| | 5.0 MHz BAND 16QAM | 12/6 | 818.8 | 2.1481 | 2.788 |
| | | 25/0 | | 4.4054 | 4.761 |
| 5.0 MHz BAND 16QAM | 12/6 | 821.3 | 2.1645 | 2.876 | |
| | 25/0 | | 4.4668 | 4.762 | |
| 5.0 MHz BAND 16QAM | 12/6 | 823.8 | 2.1565 | 2.630 | |
| | 25/0 | | 4.4828 | 4.832 | |

8.1.1. LTE BAND 2

1.4MHz (QPSK)

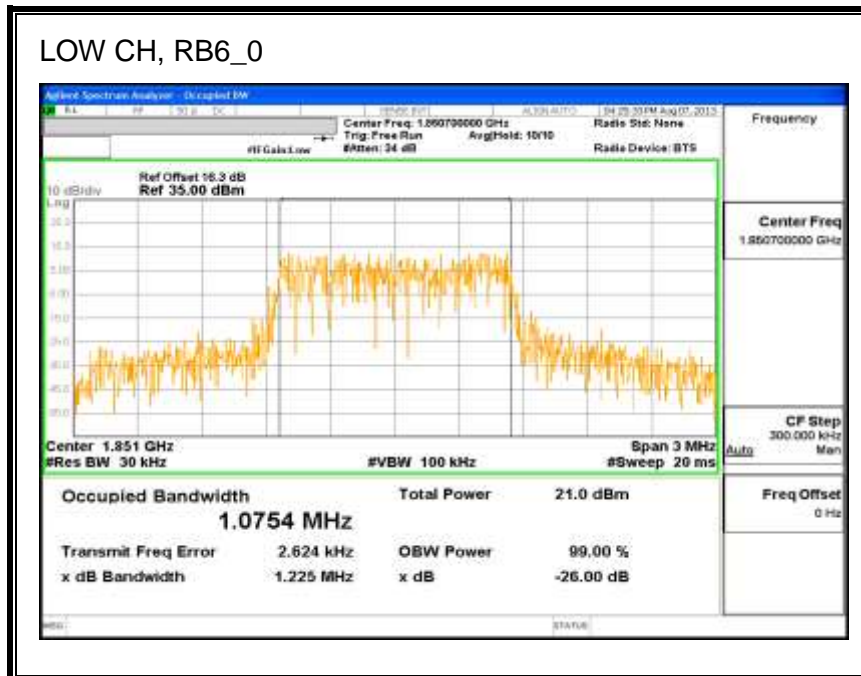
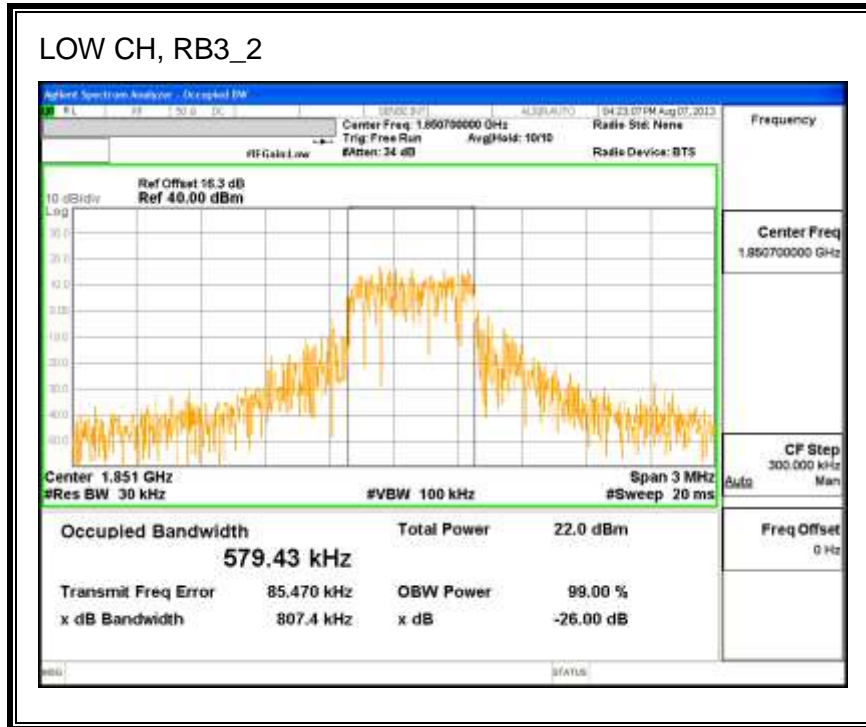


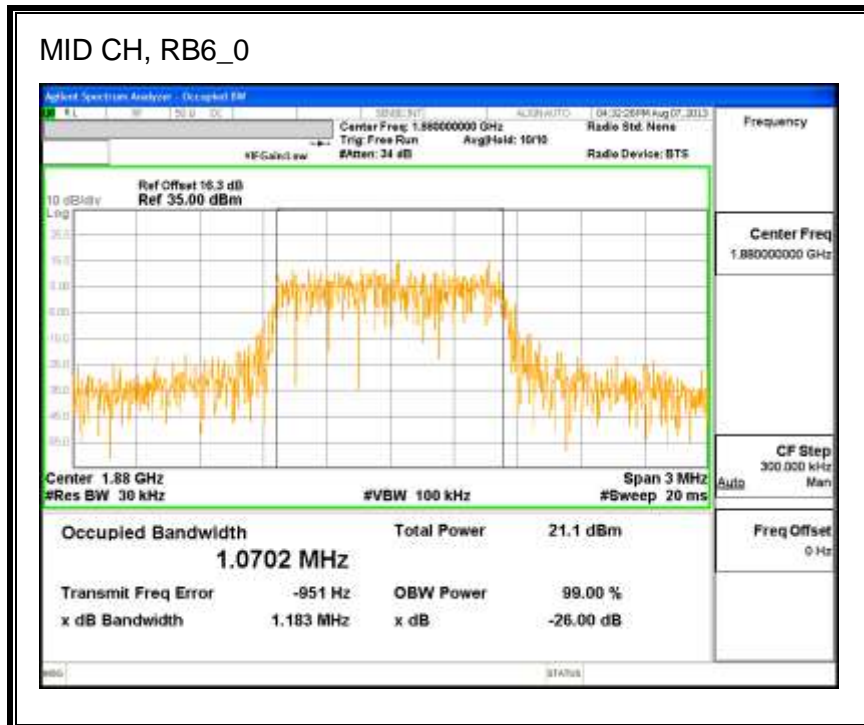
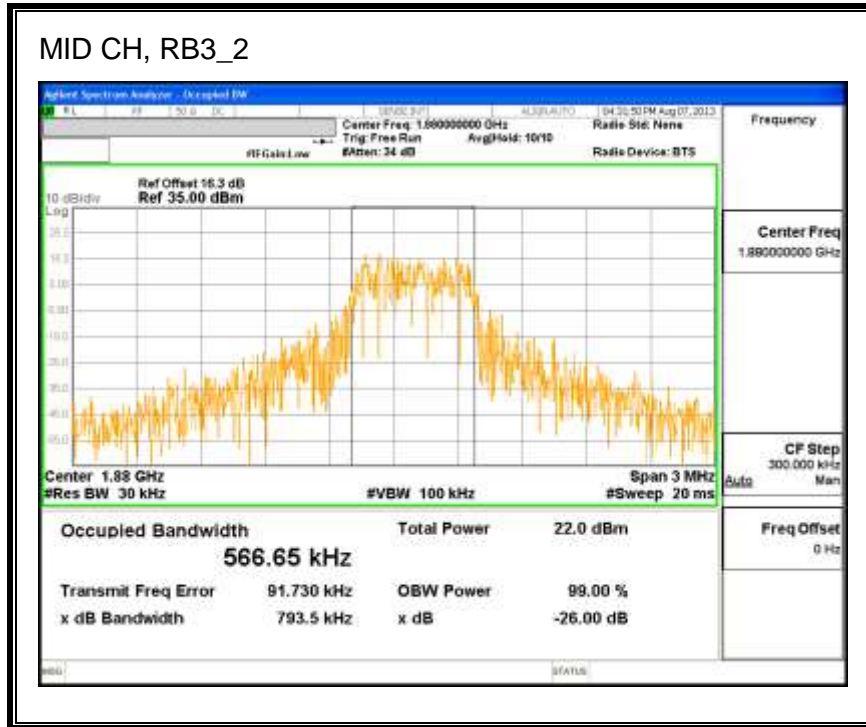


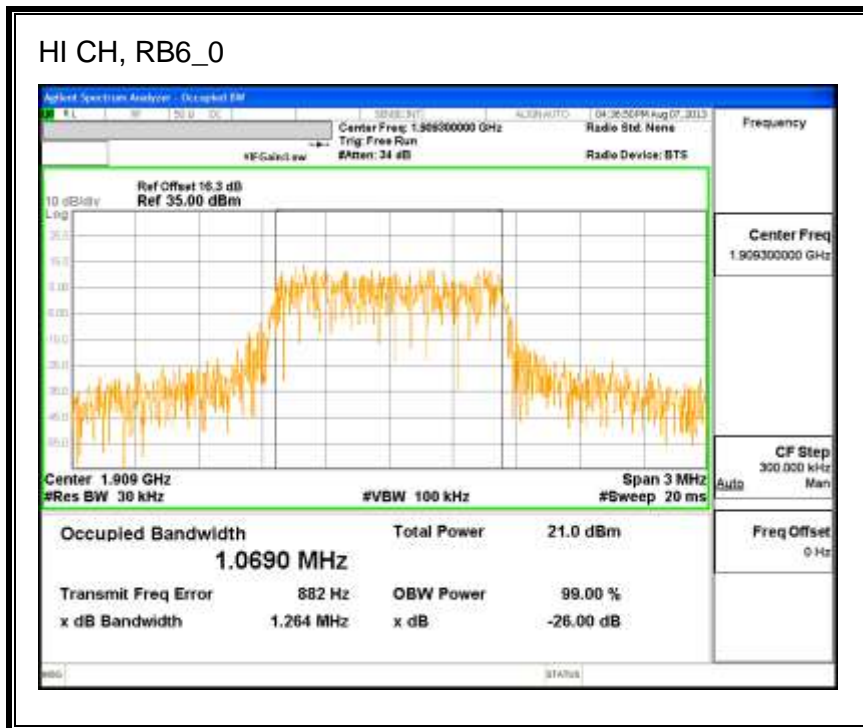
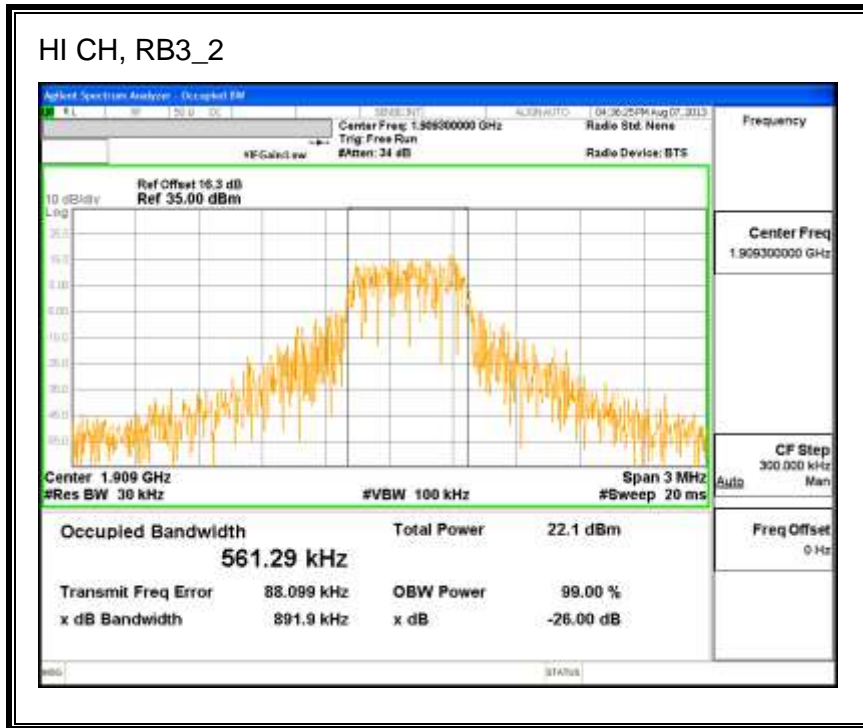


Band 2 (1.4 MHz BAND WIDTH)

LTE 16QAM

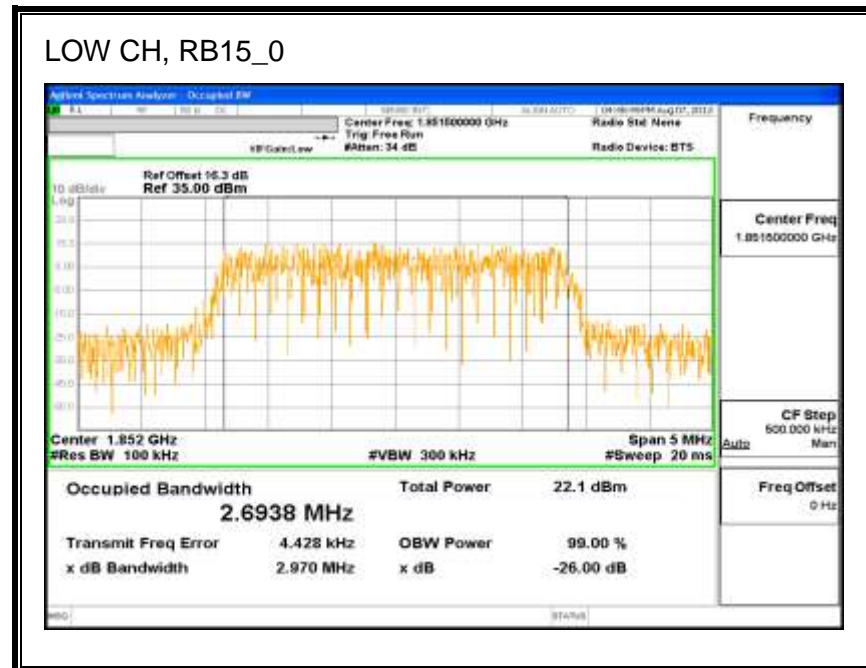
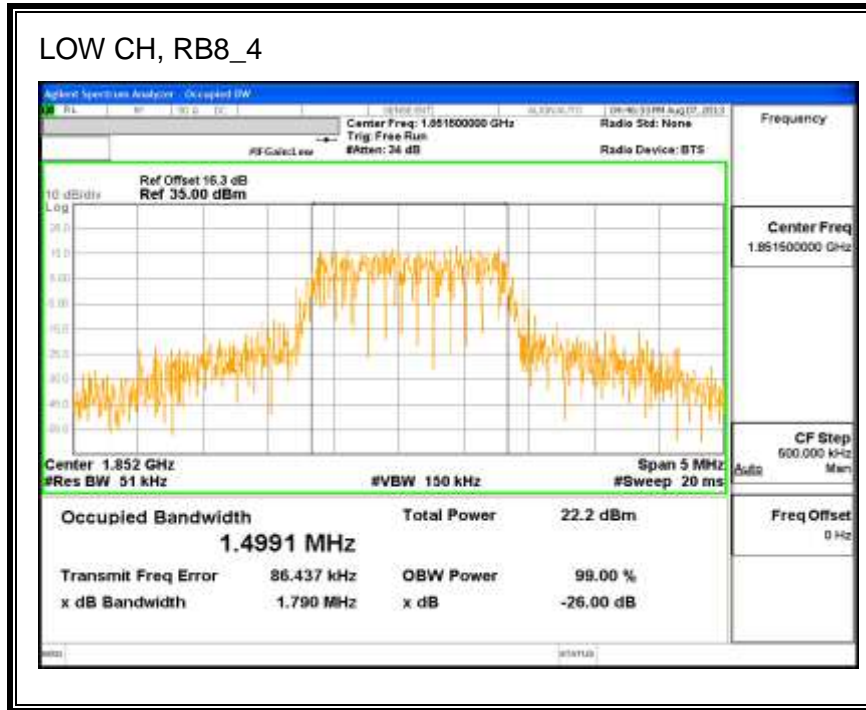




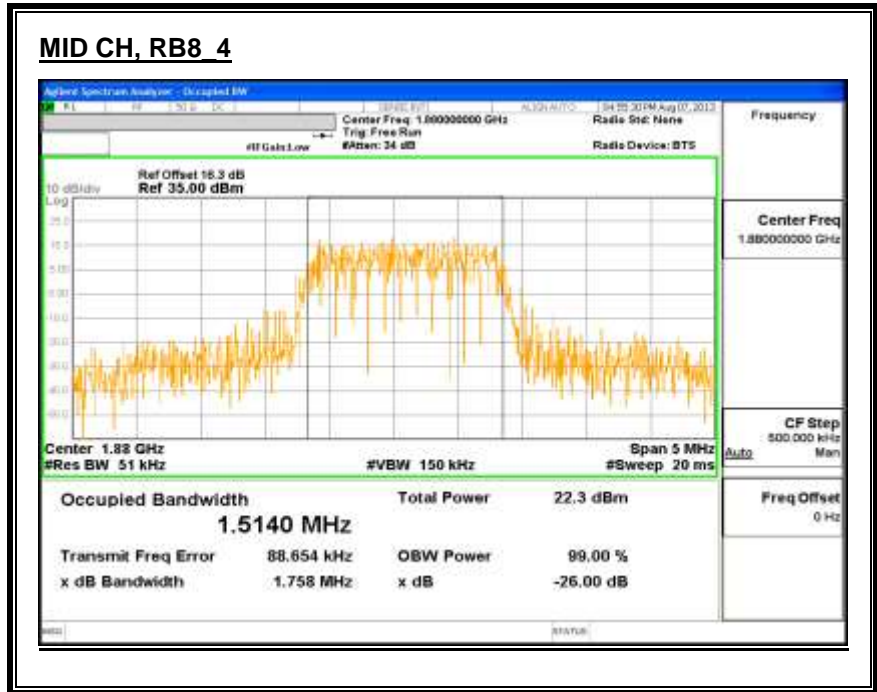


Band 2 (3 MHz BAND WIDTH)

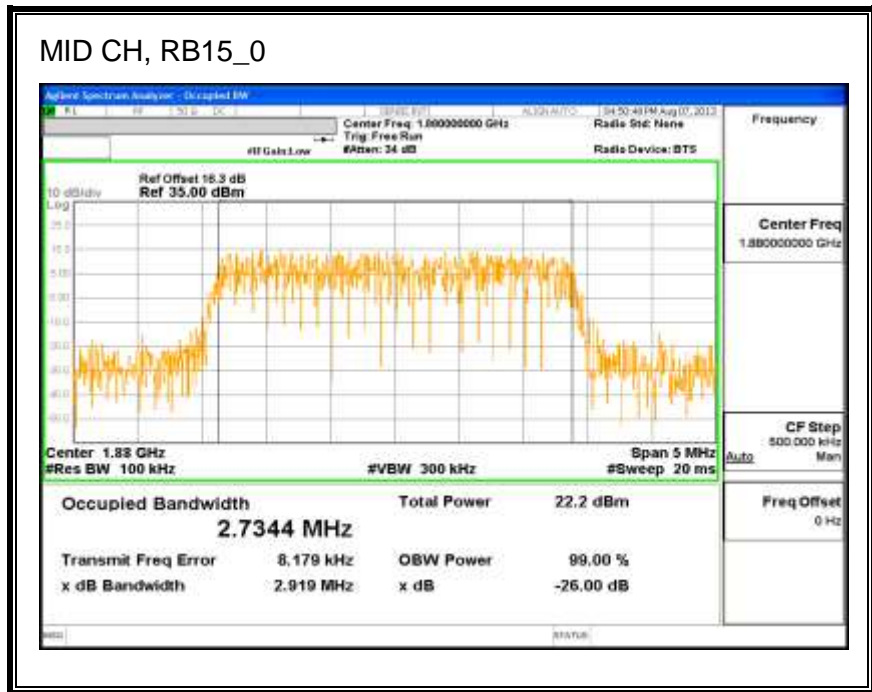
LTE QPSK

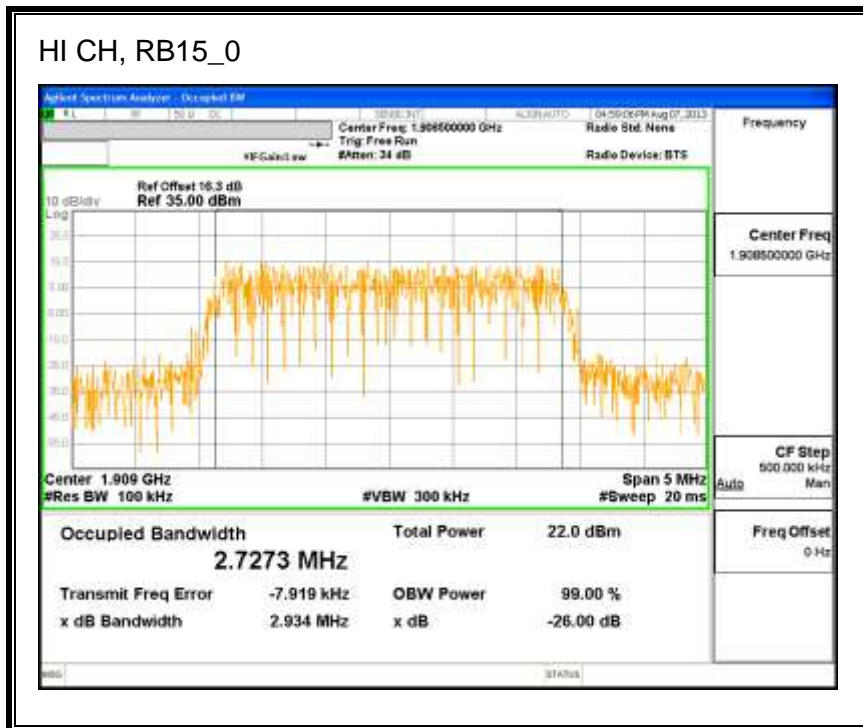
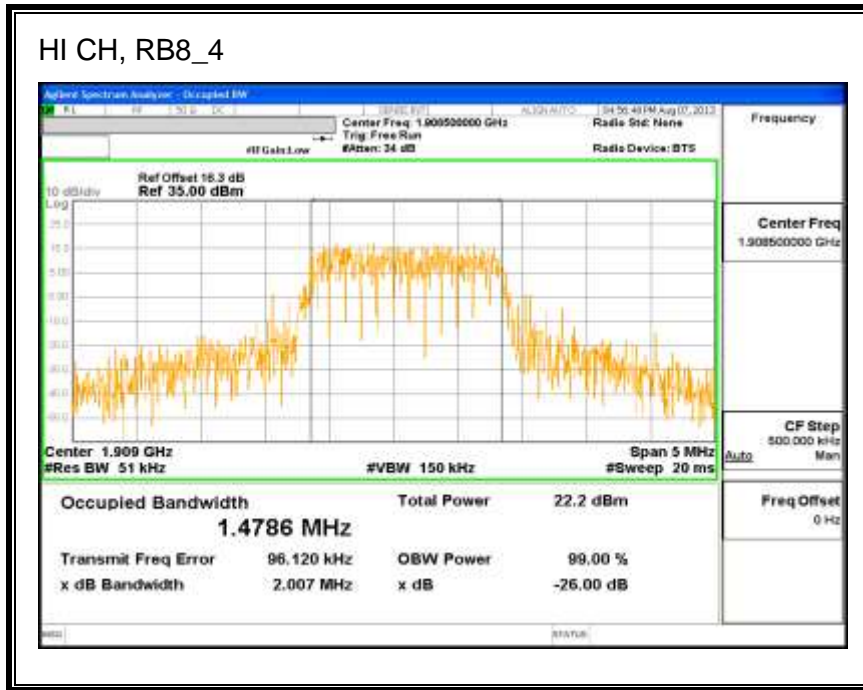


MID CH, RB8_4



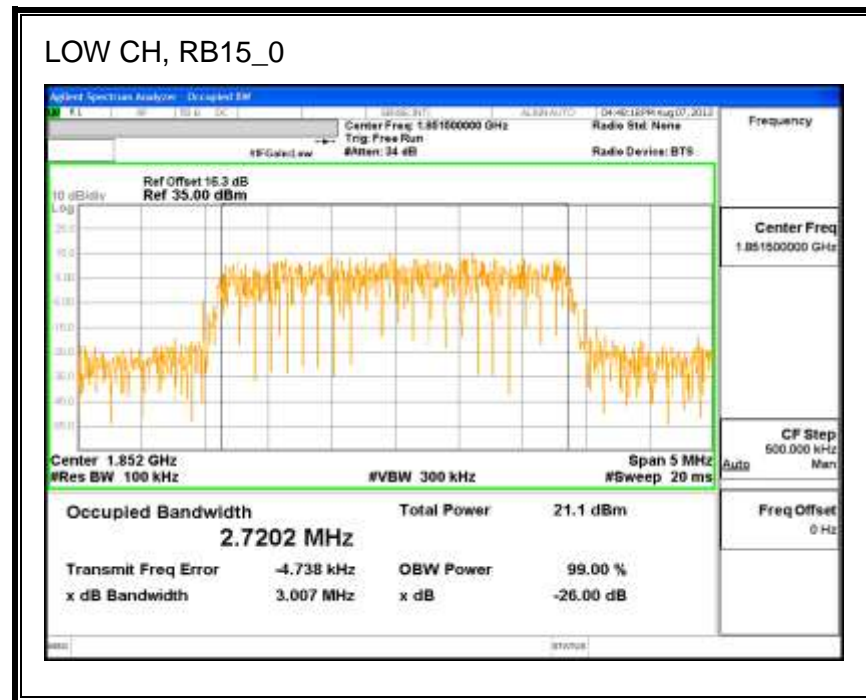
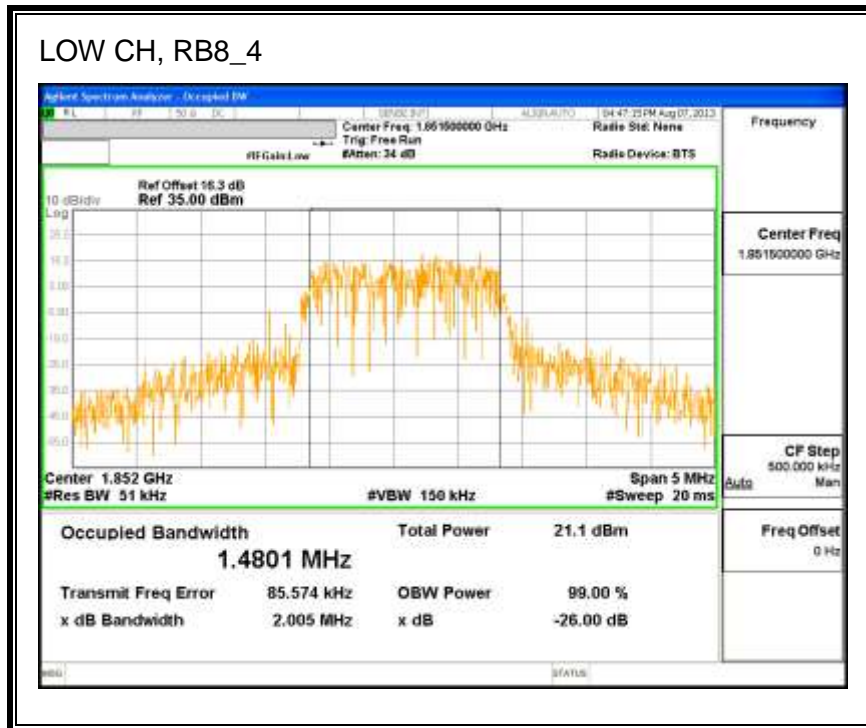
MID CH, RB15_0

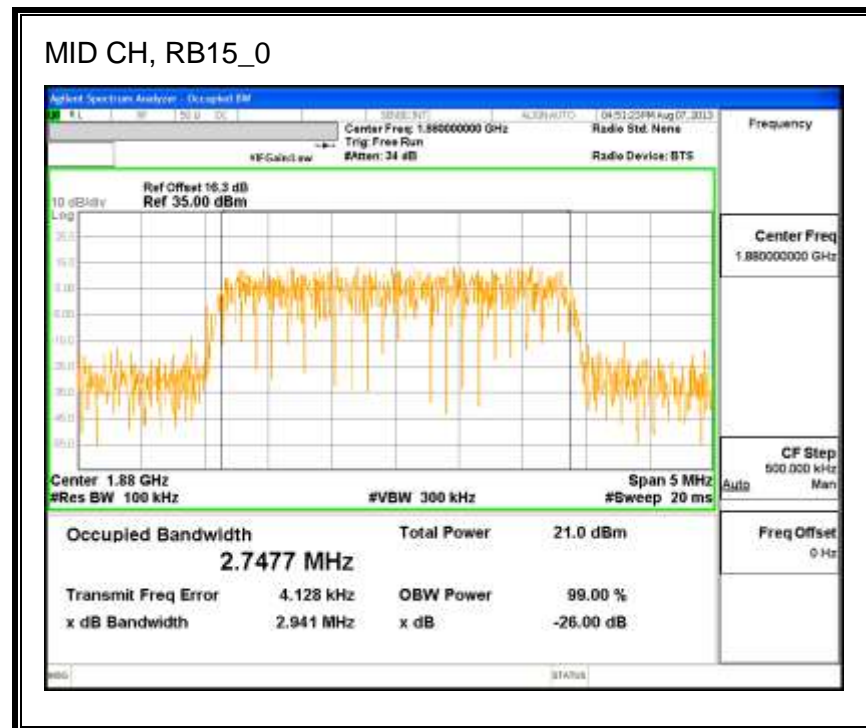
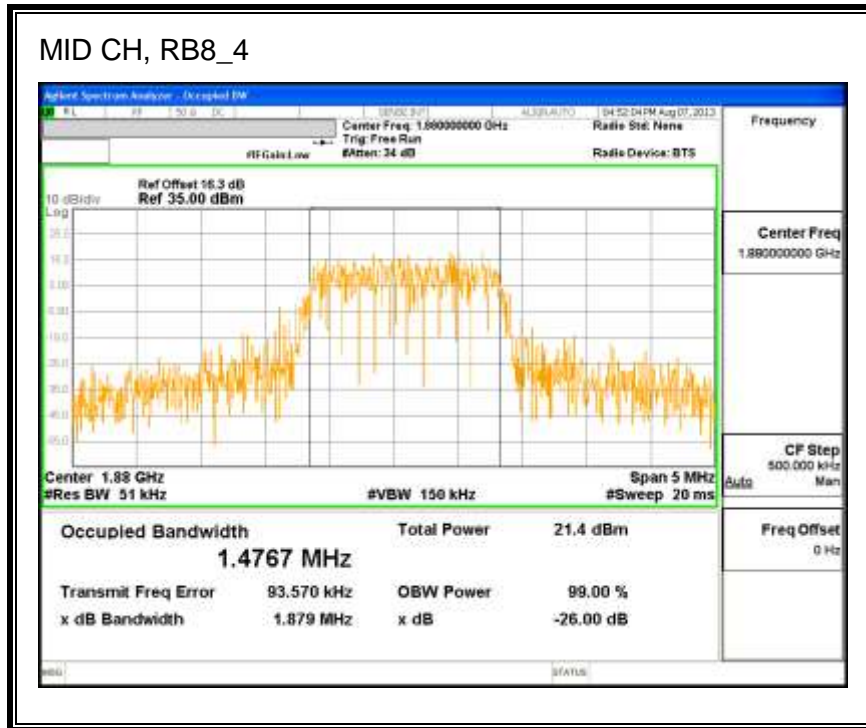


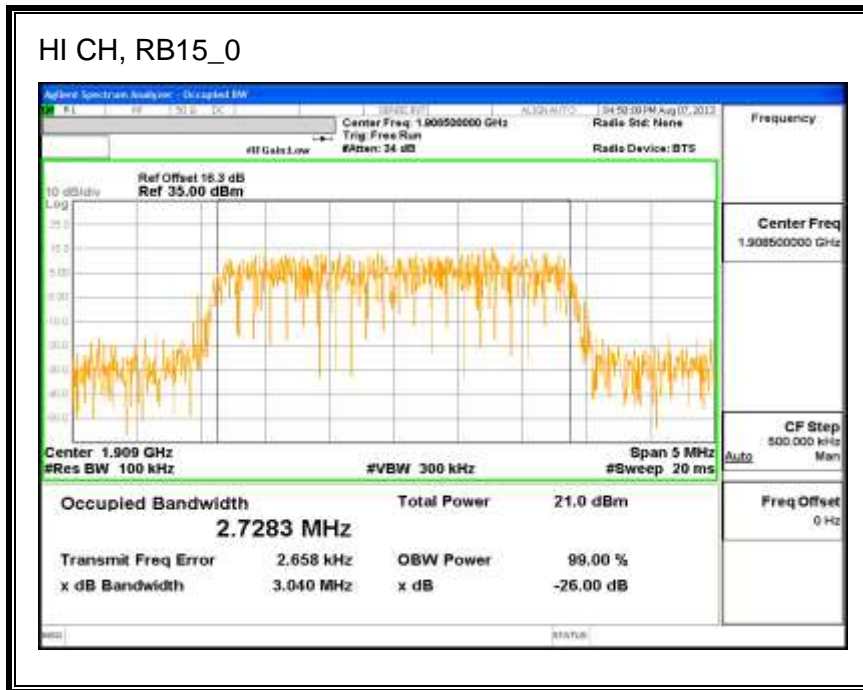
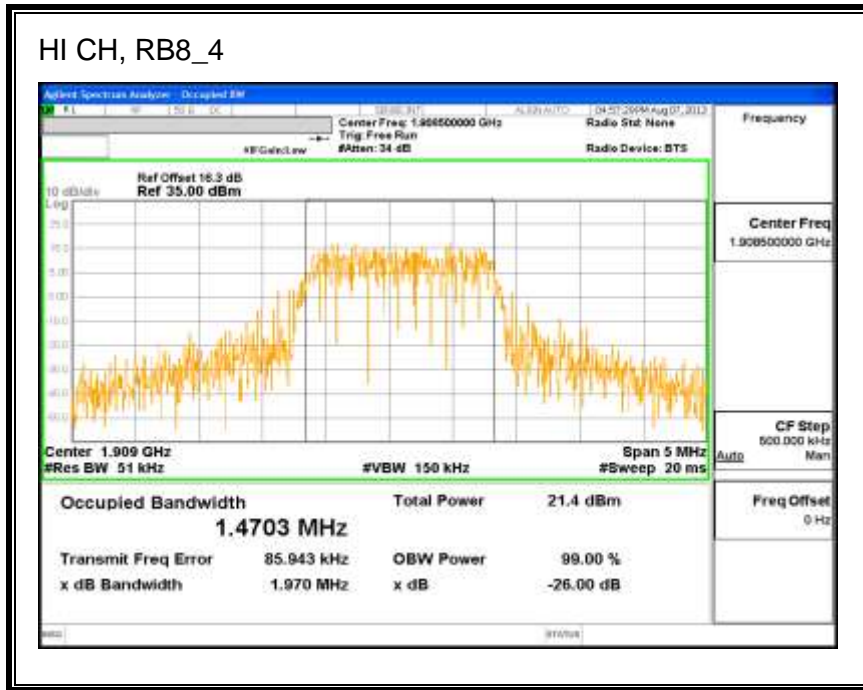


Band 2 (3.0 MHz BAND WIDTH)

LTE 16QAM

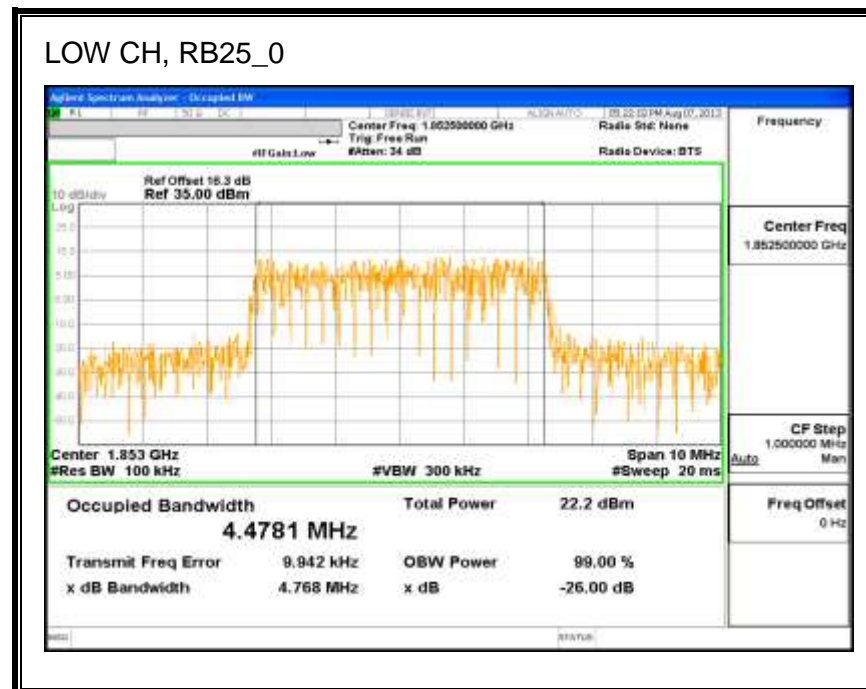
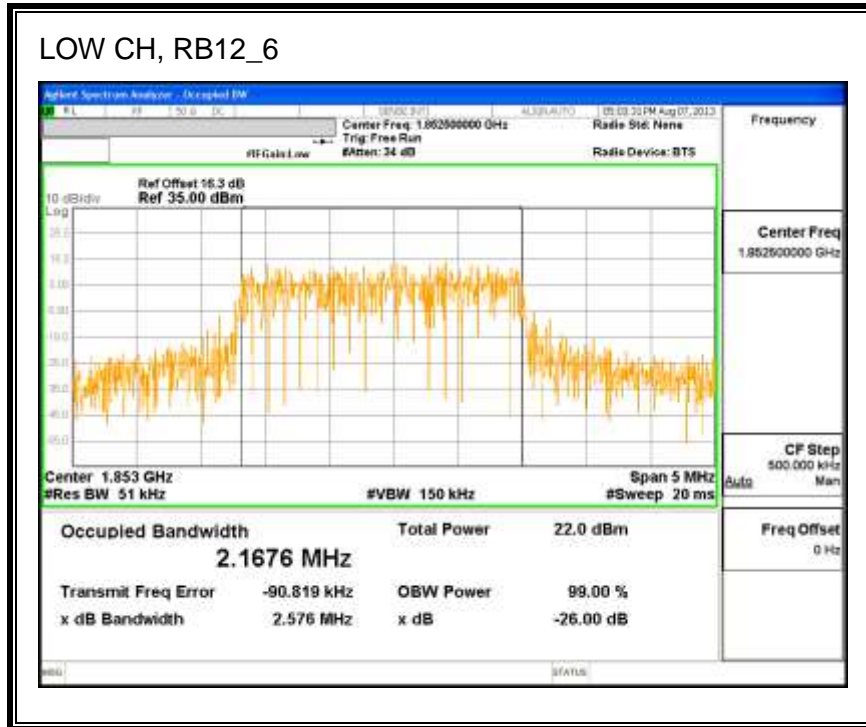


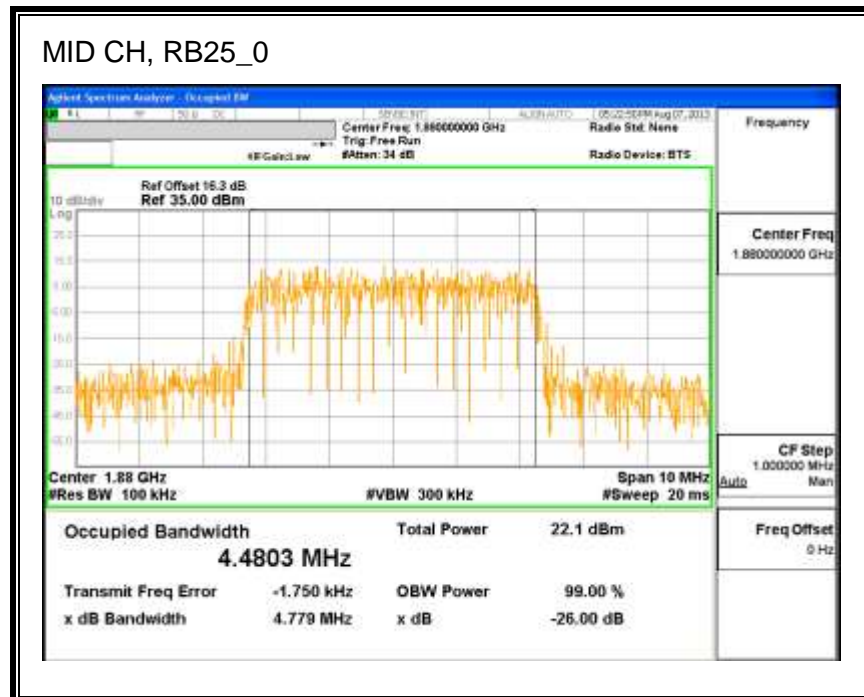
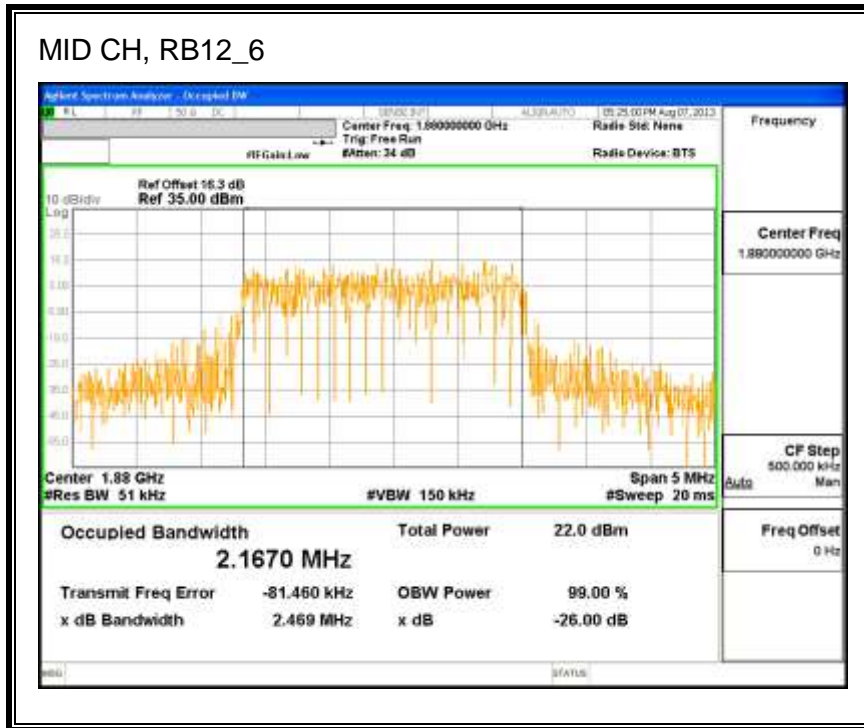


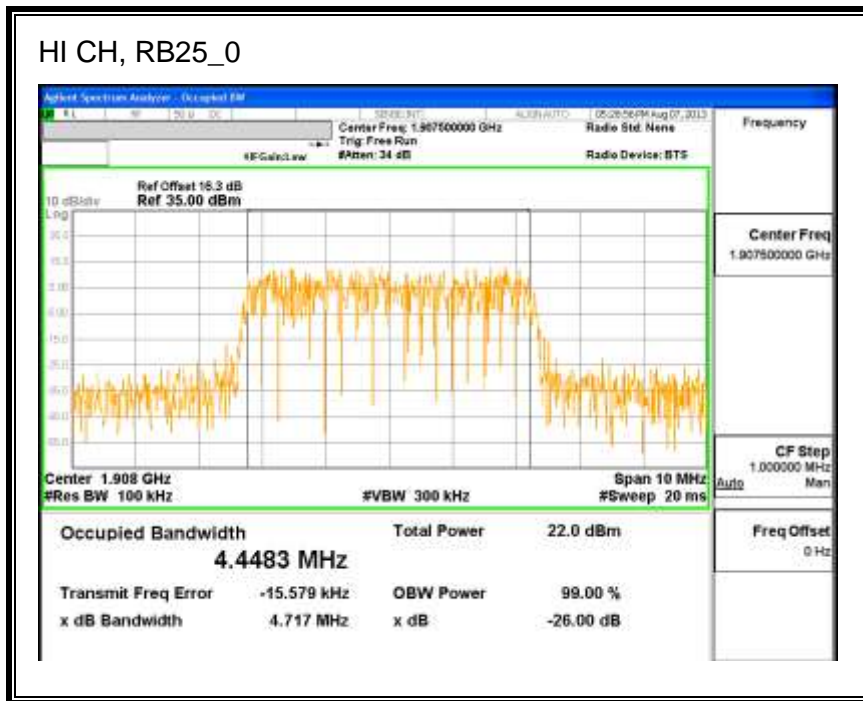
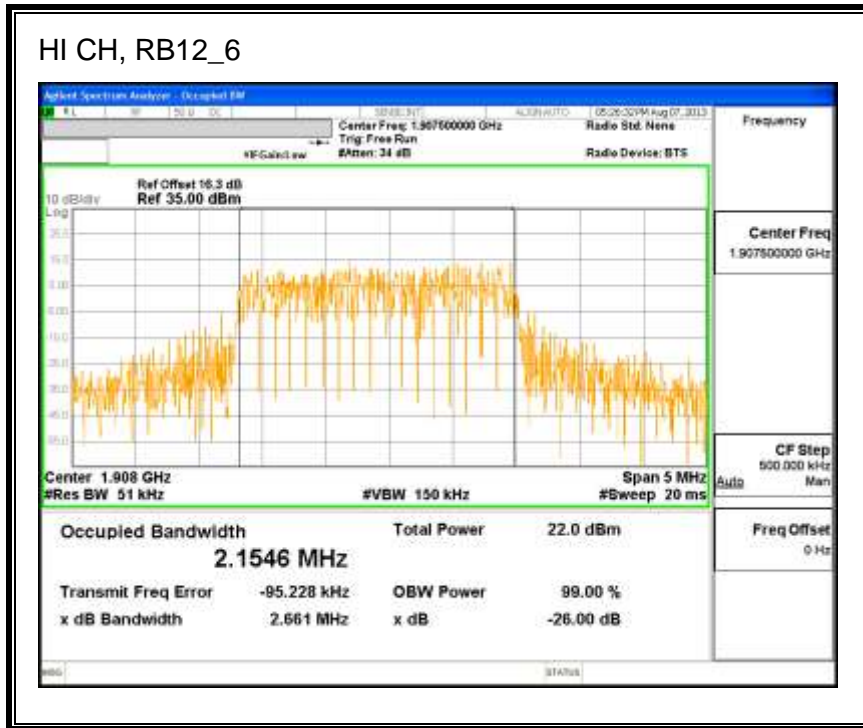


Band 2 (5.0 MHz BAND WIDTH)

LTE QPSK

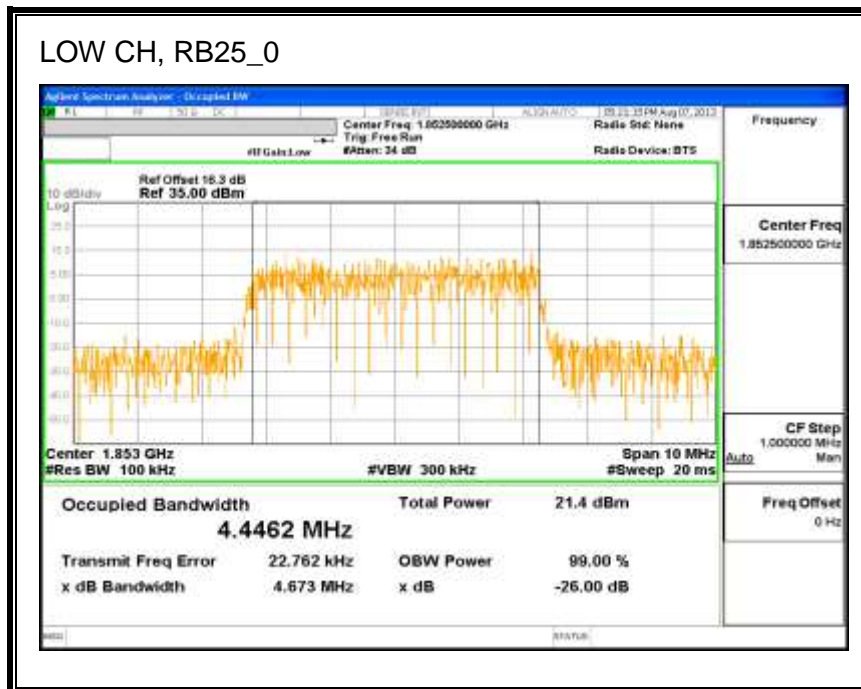
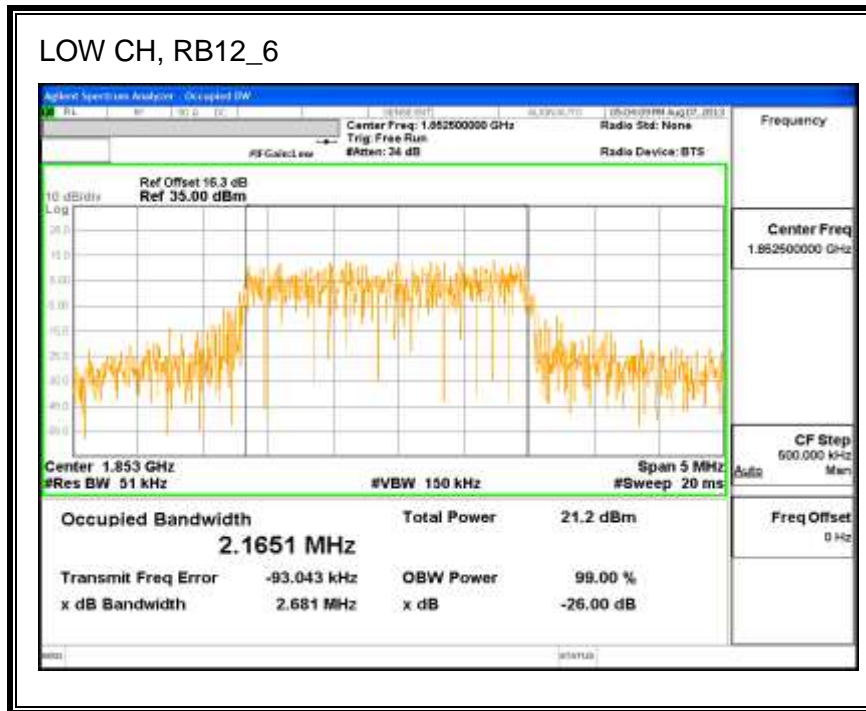


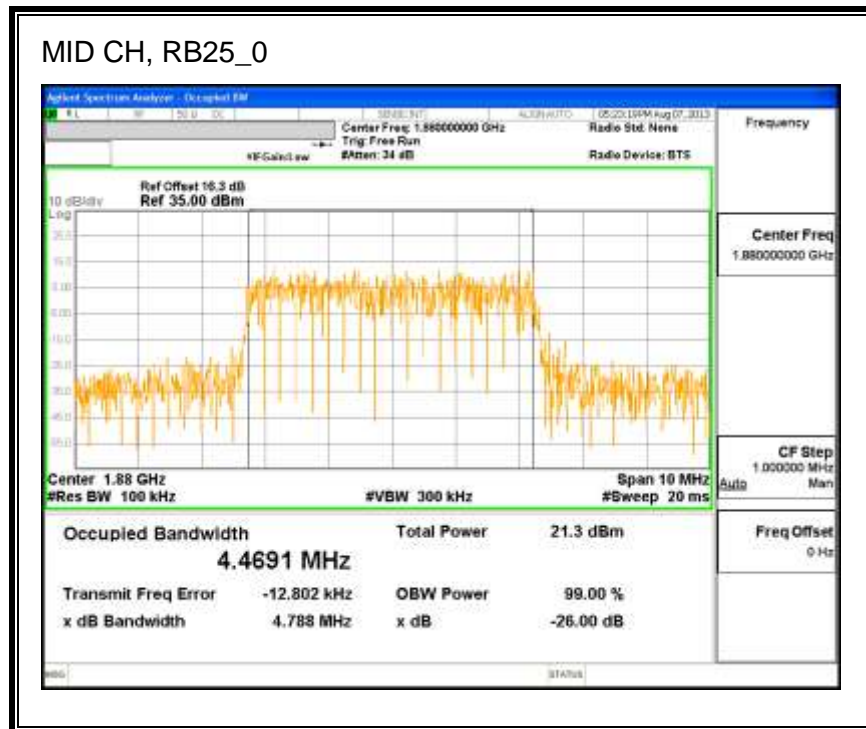
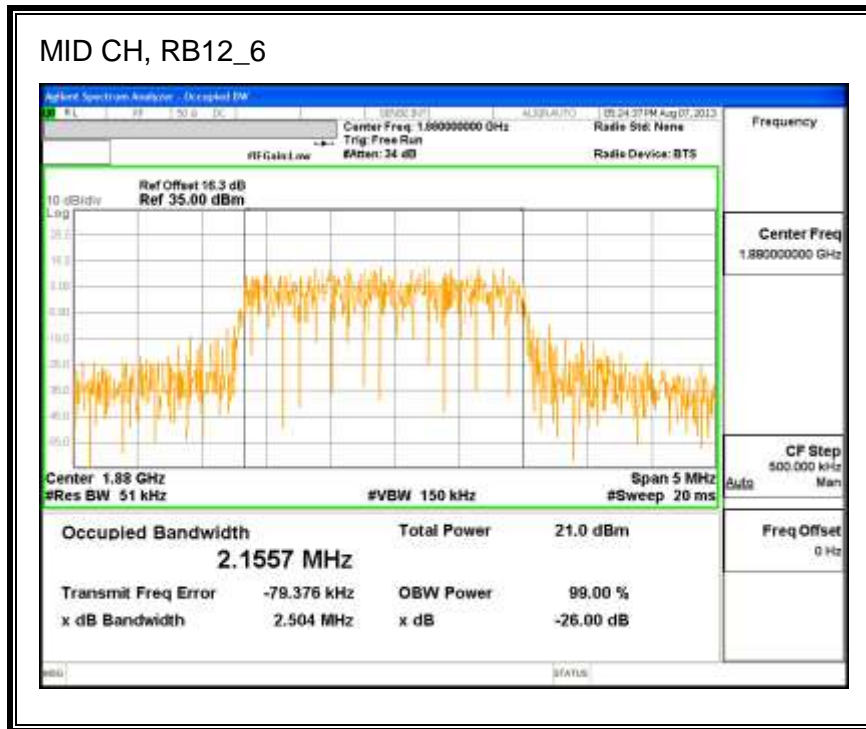


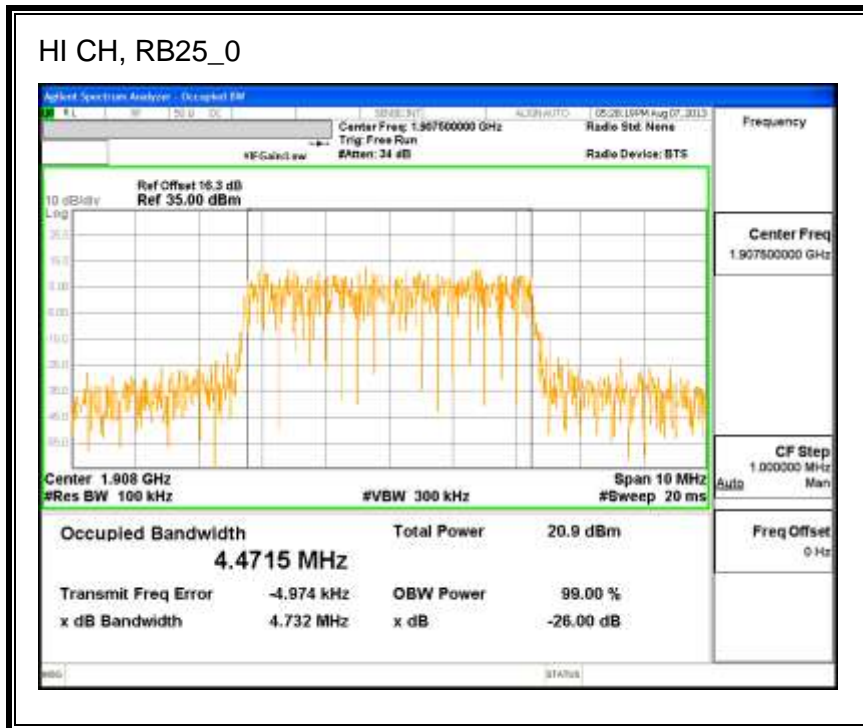
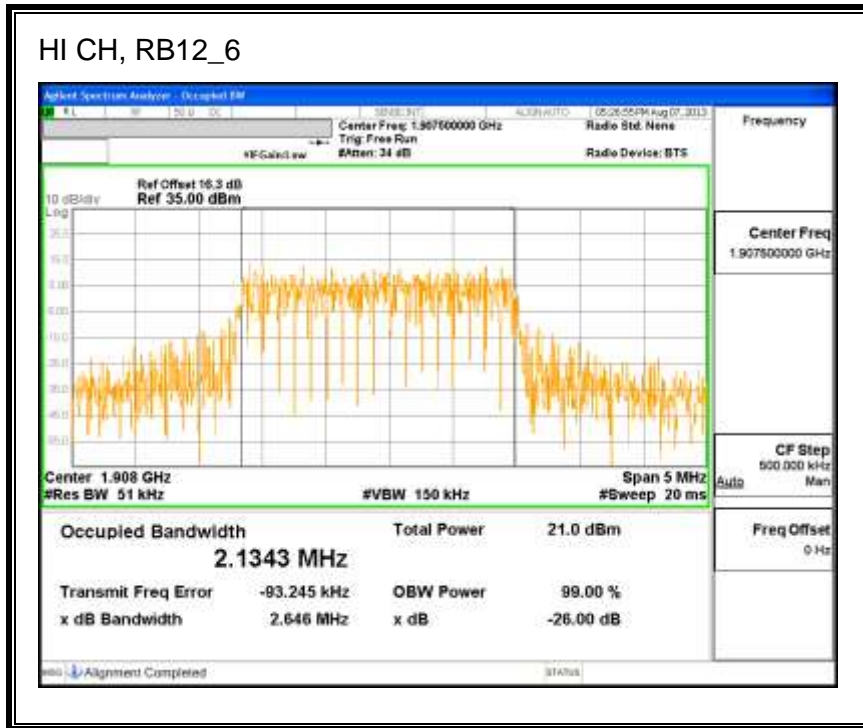


Band 2 (5 MHz BAND WIDTH)

LTE 16QAM

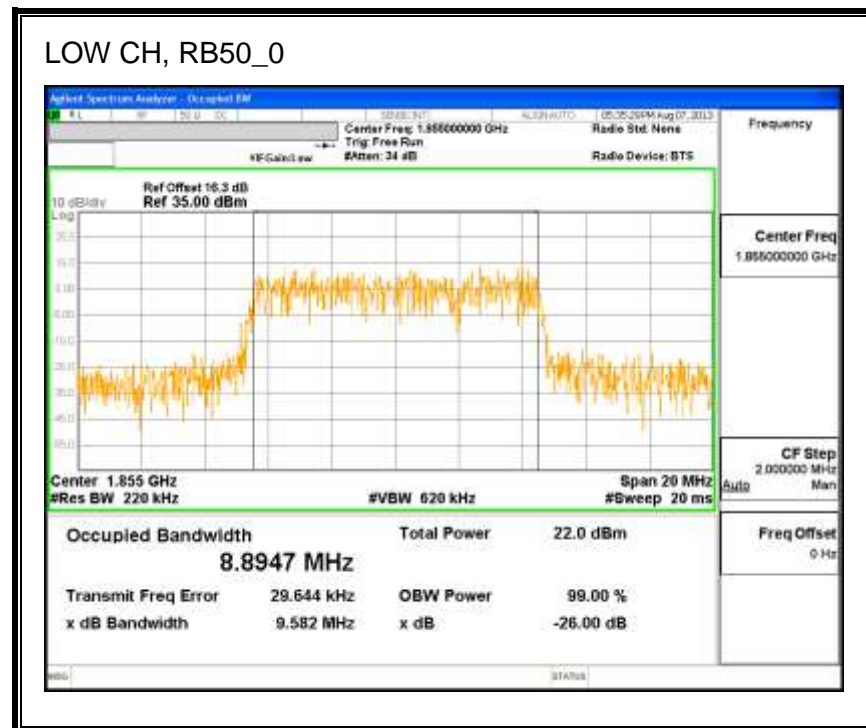
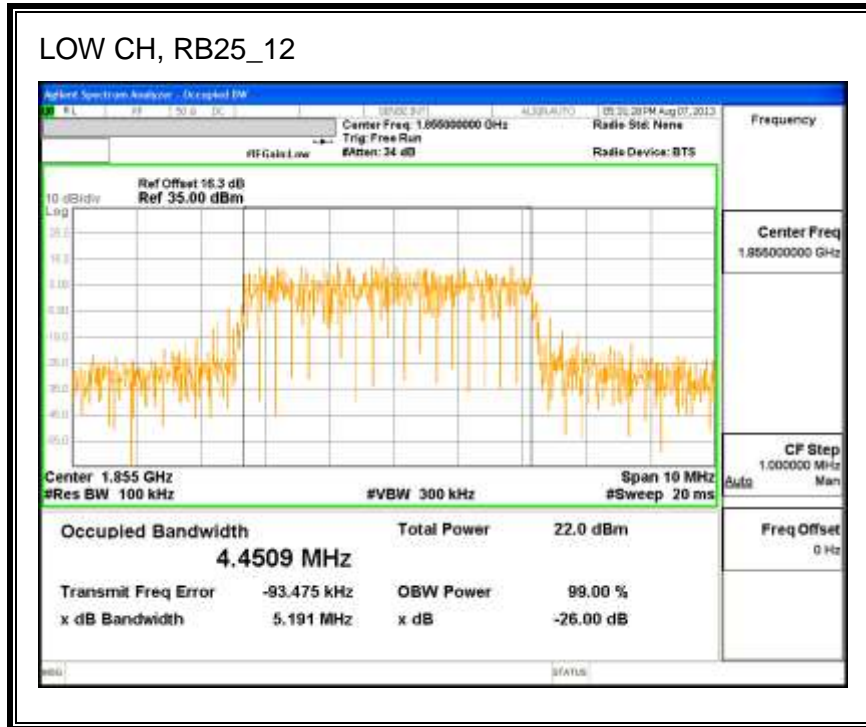


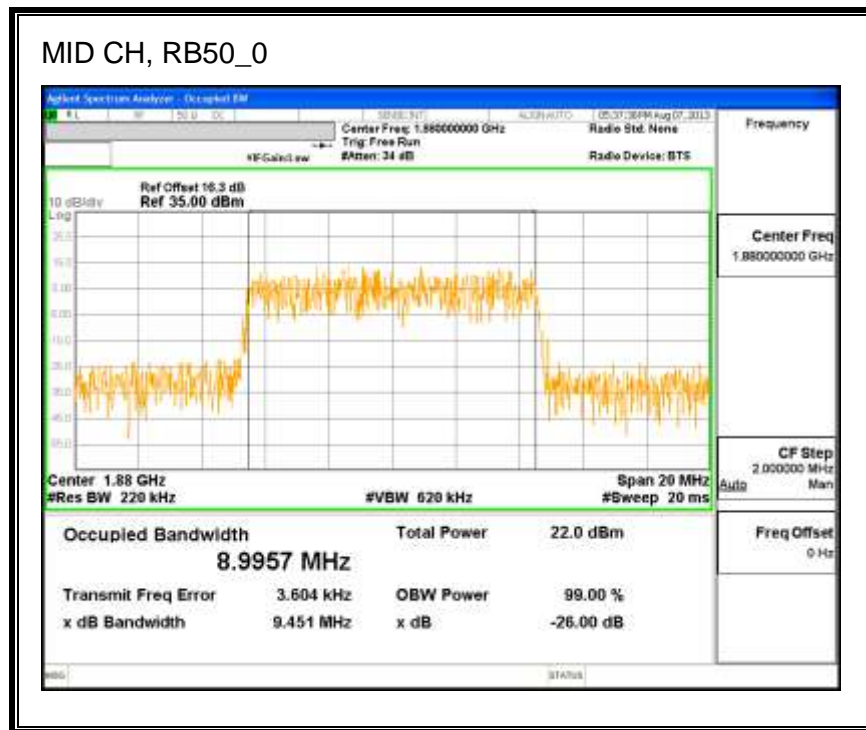
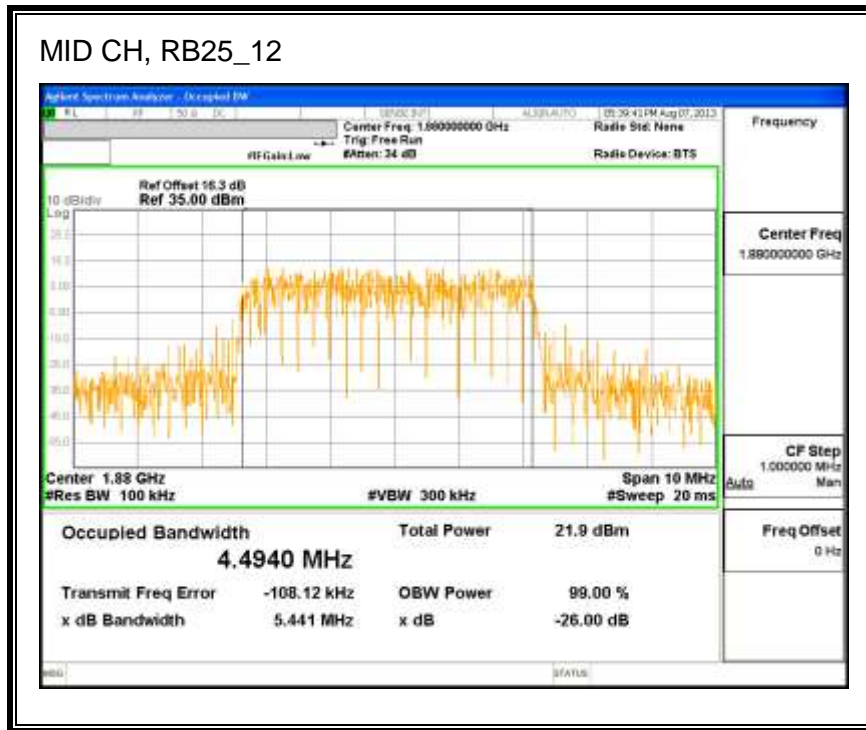


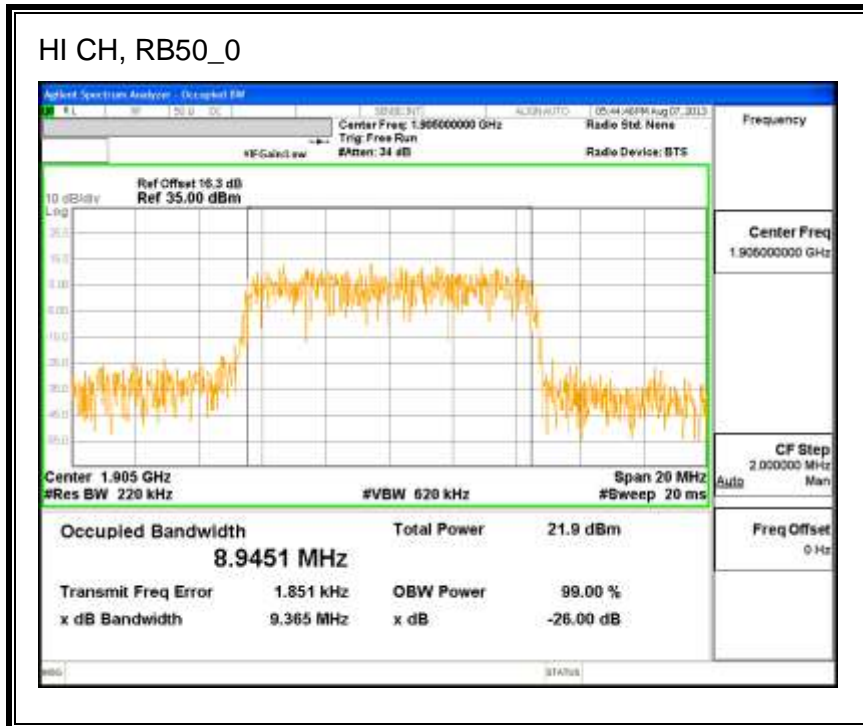
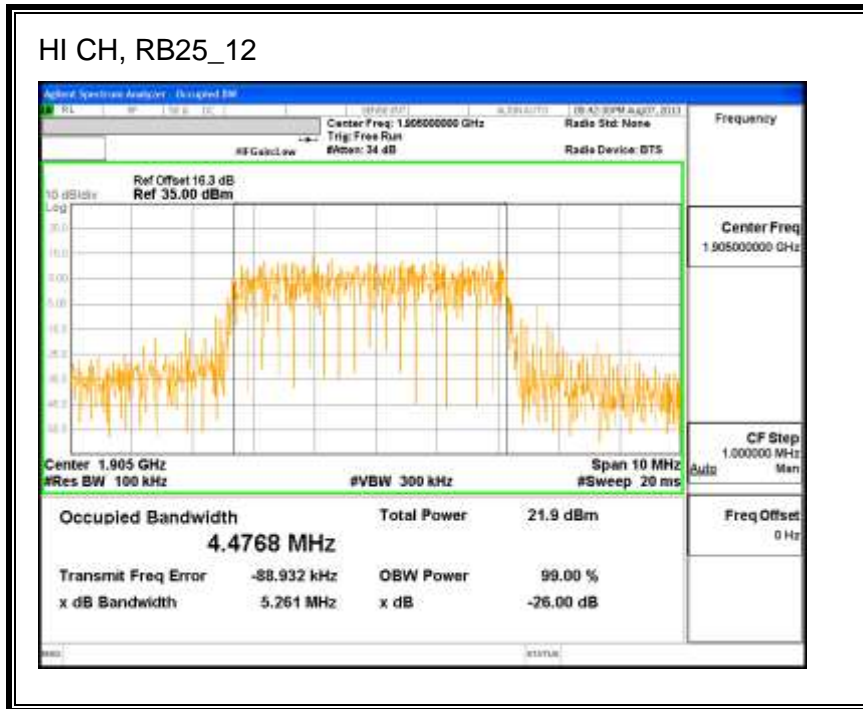


Band 2 (10.0 MHz BAND WIDTH)

LTE QPSK

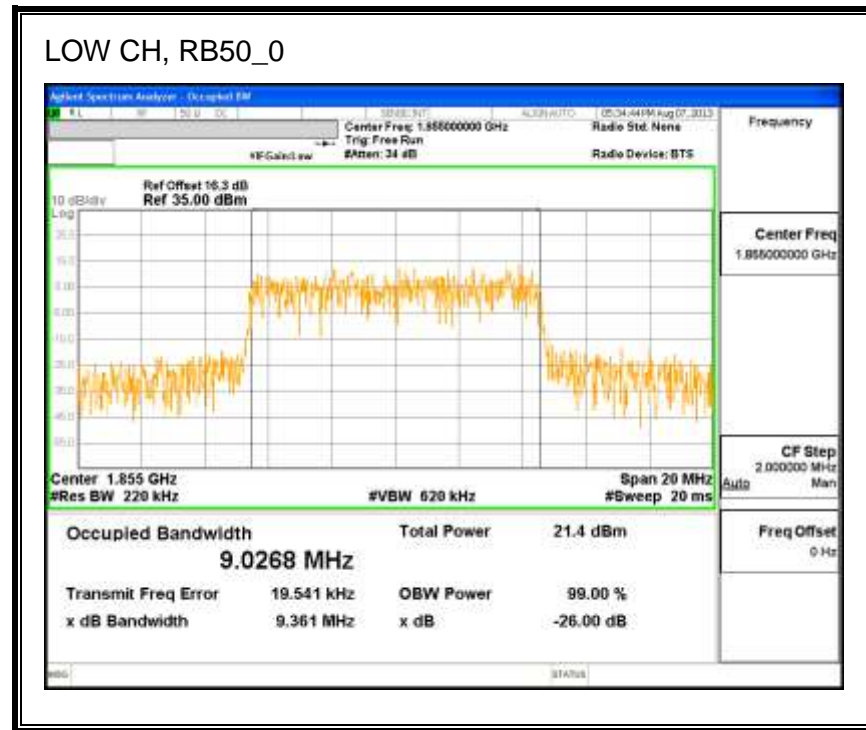
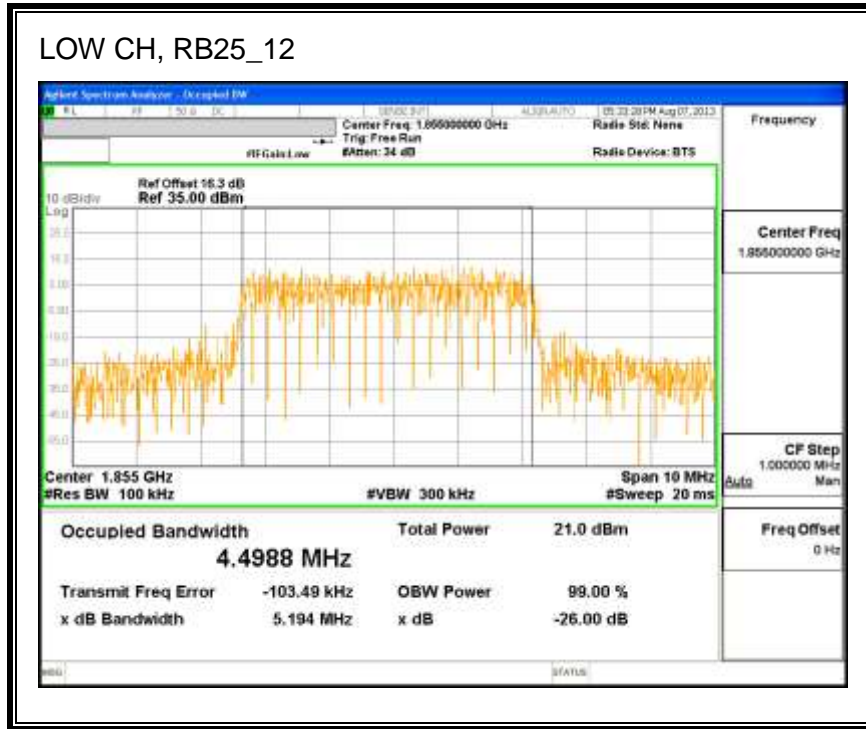


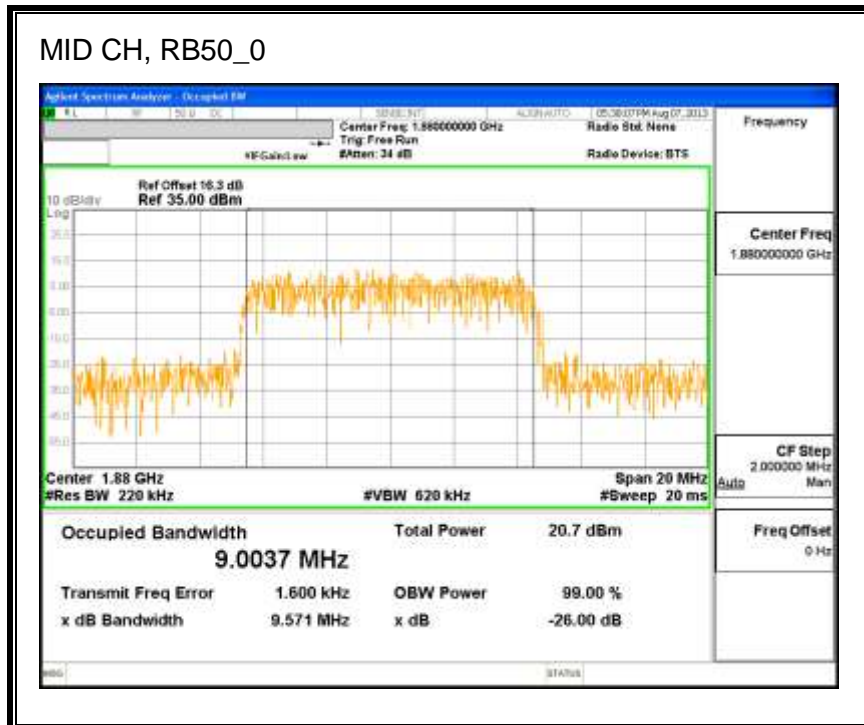
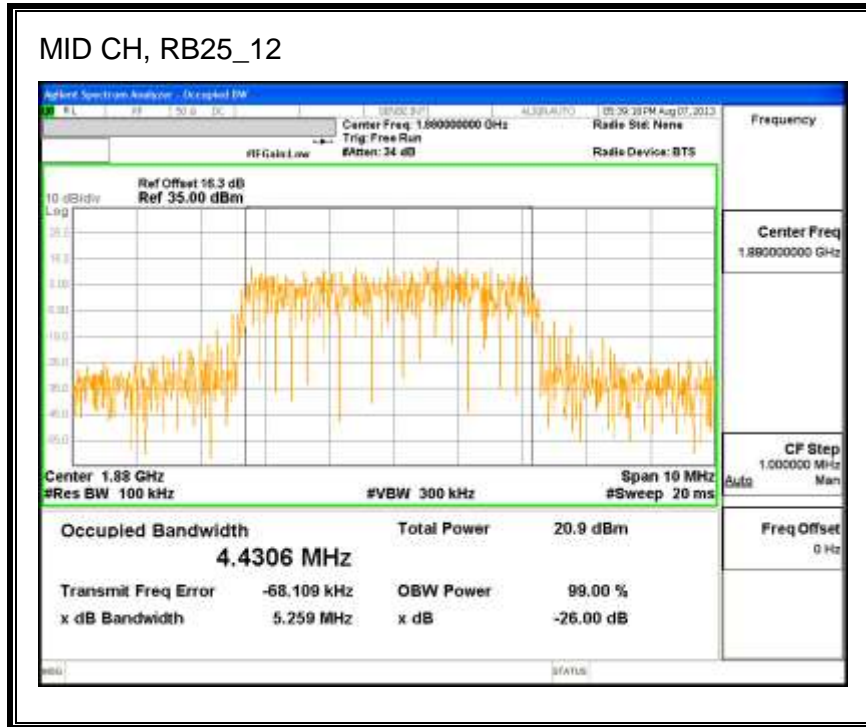


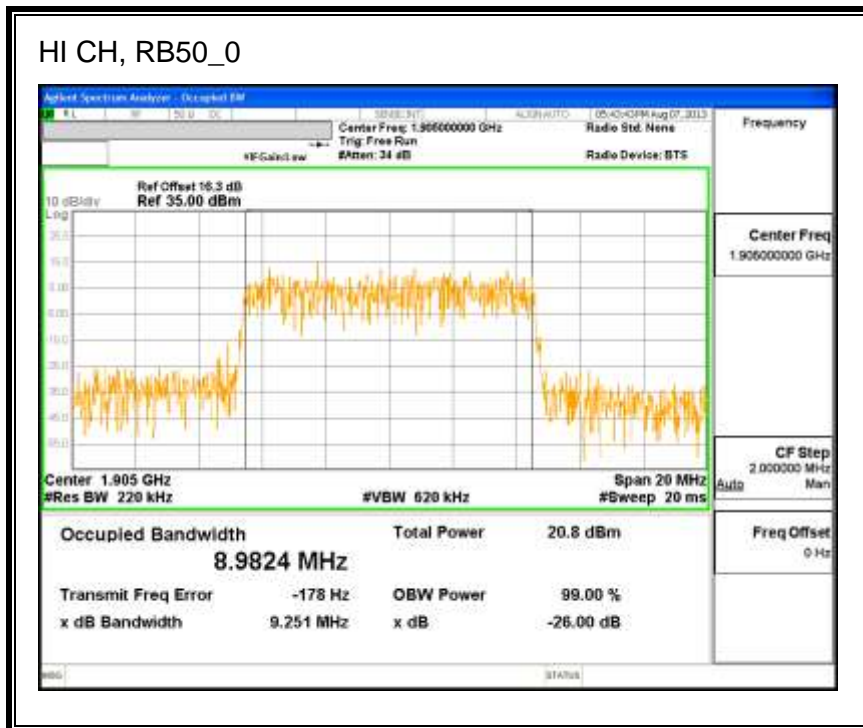
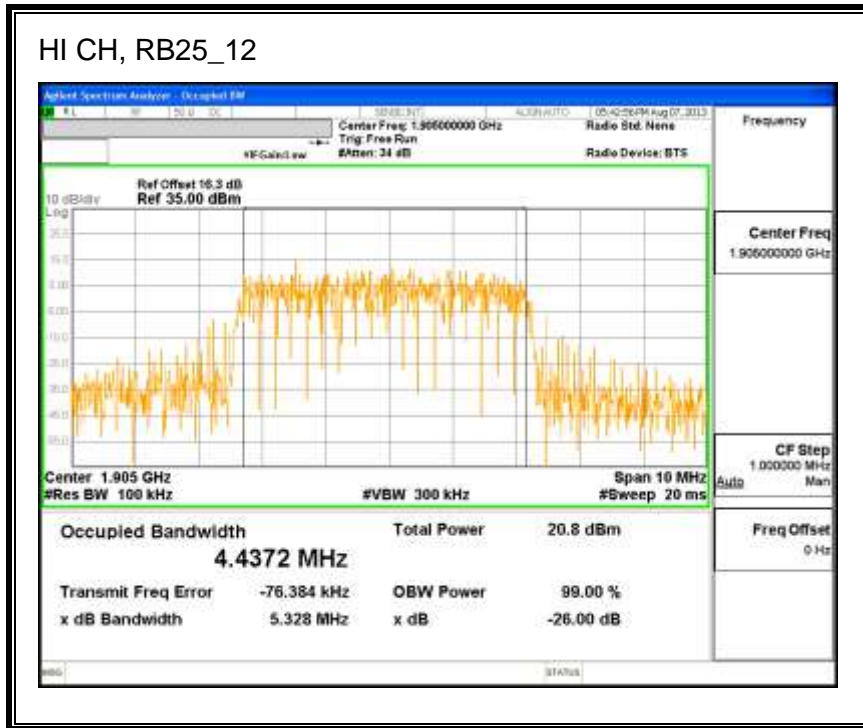


Band 2 (10 MHz BAND WIDTH)

LTE 16QAM

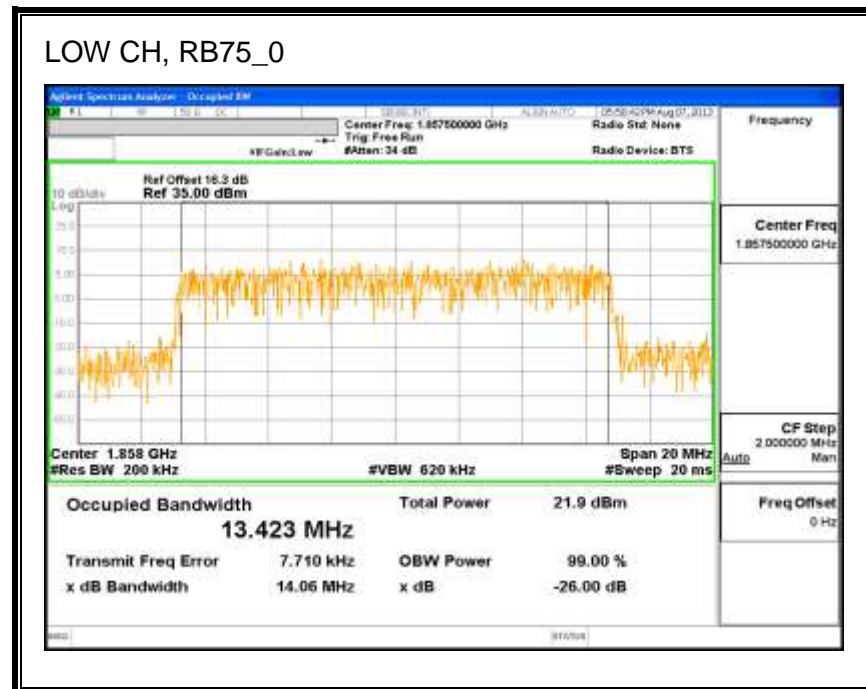
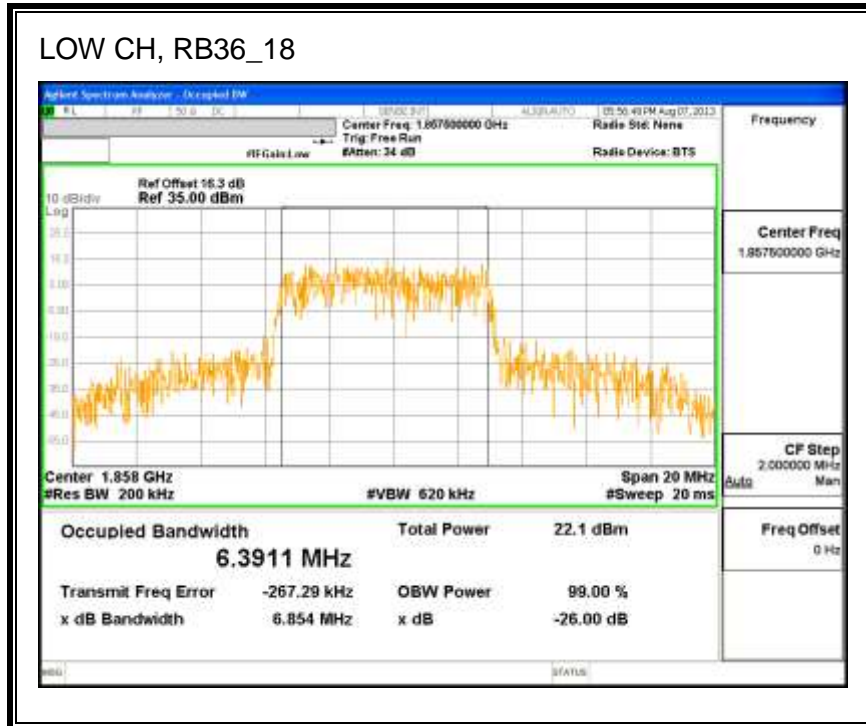


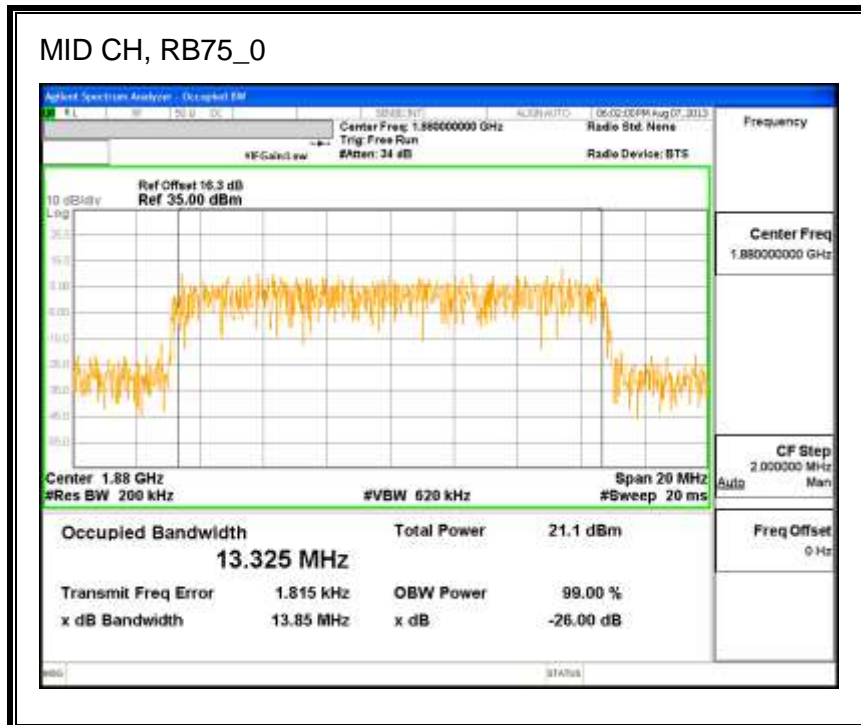
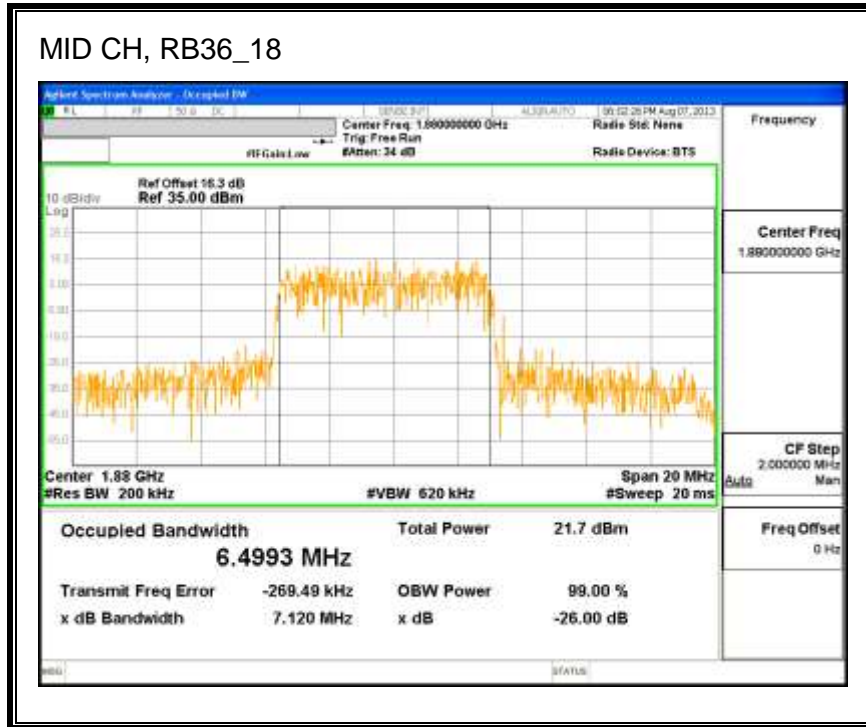


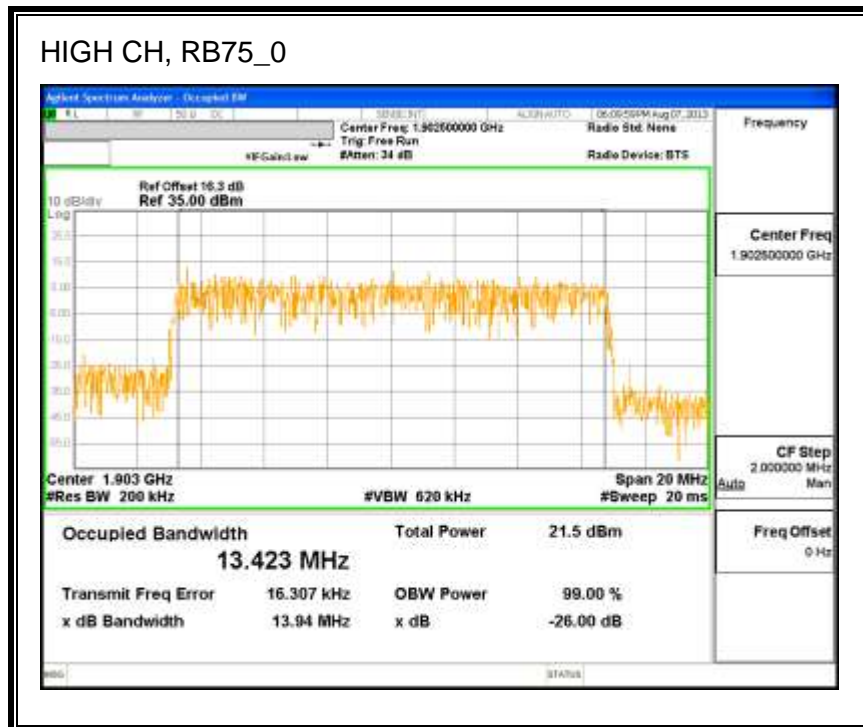
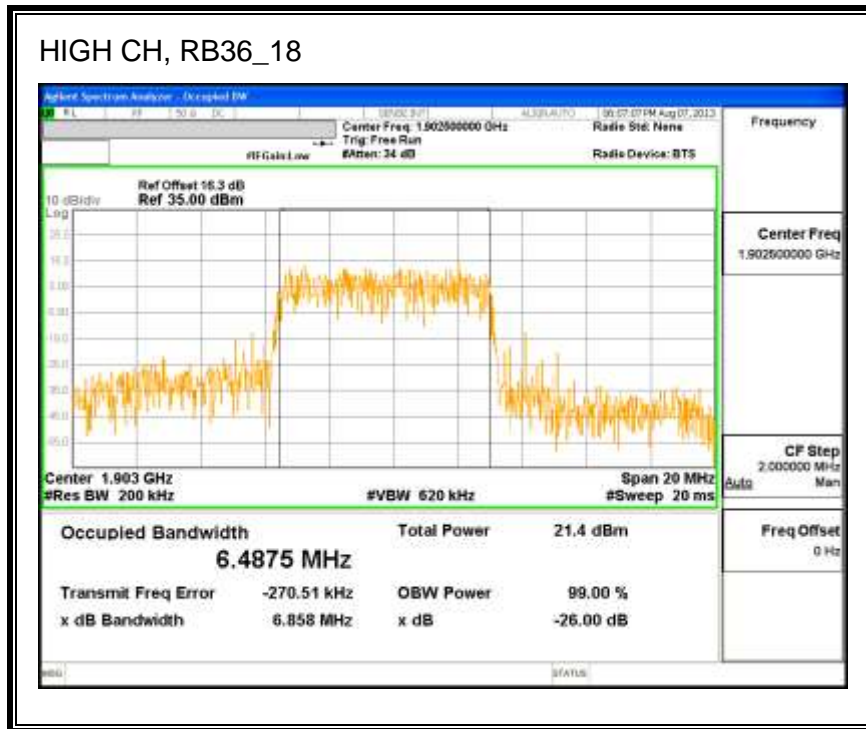


Band 2 (15.0 MHz BAND WIDTH)

LTE QPSK

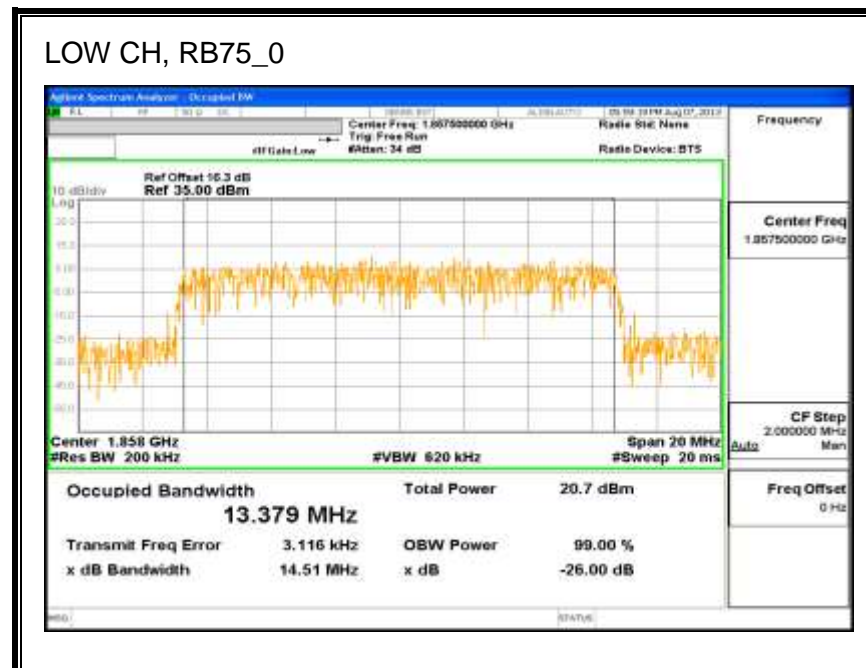
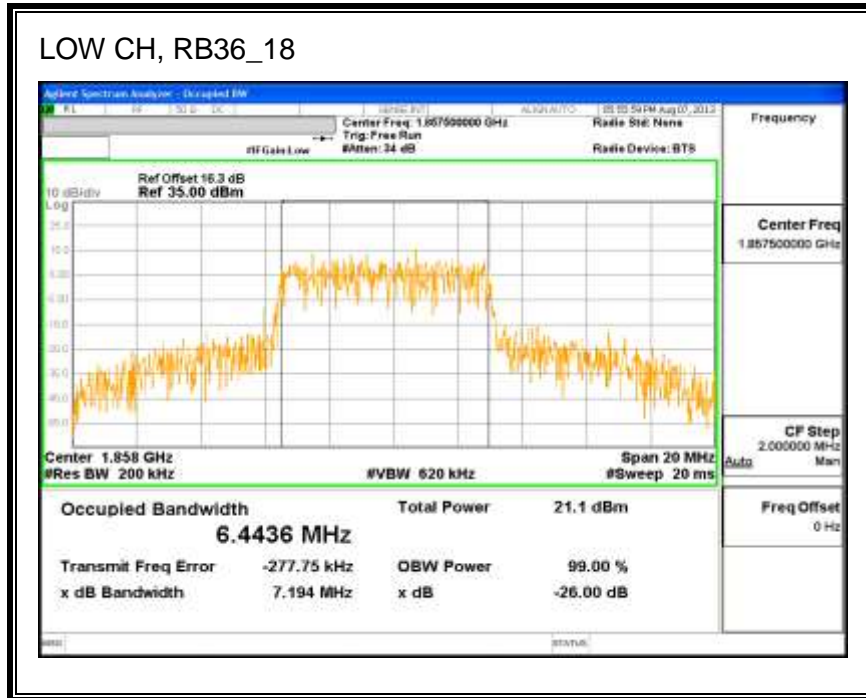


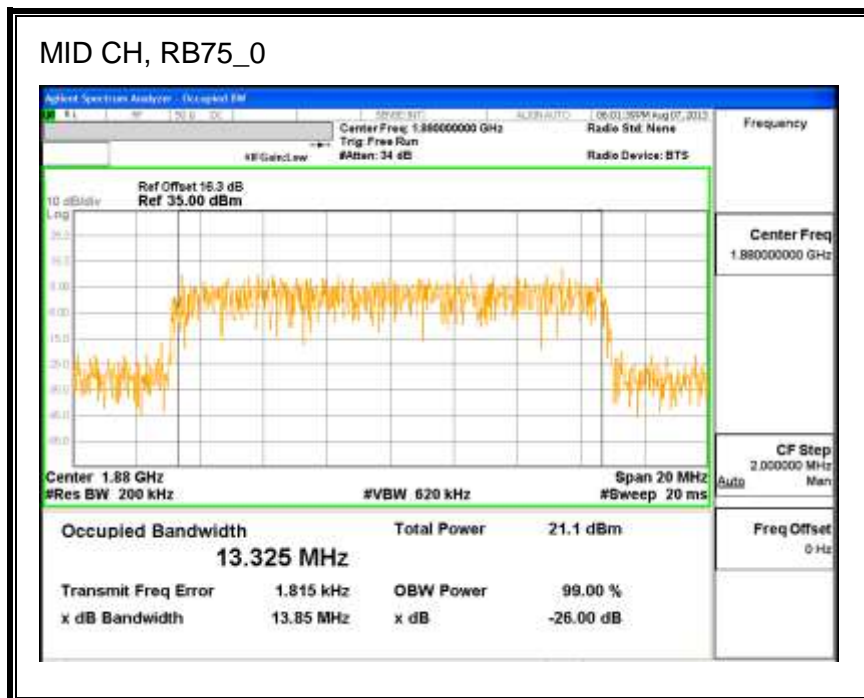
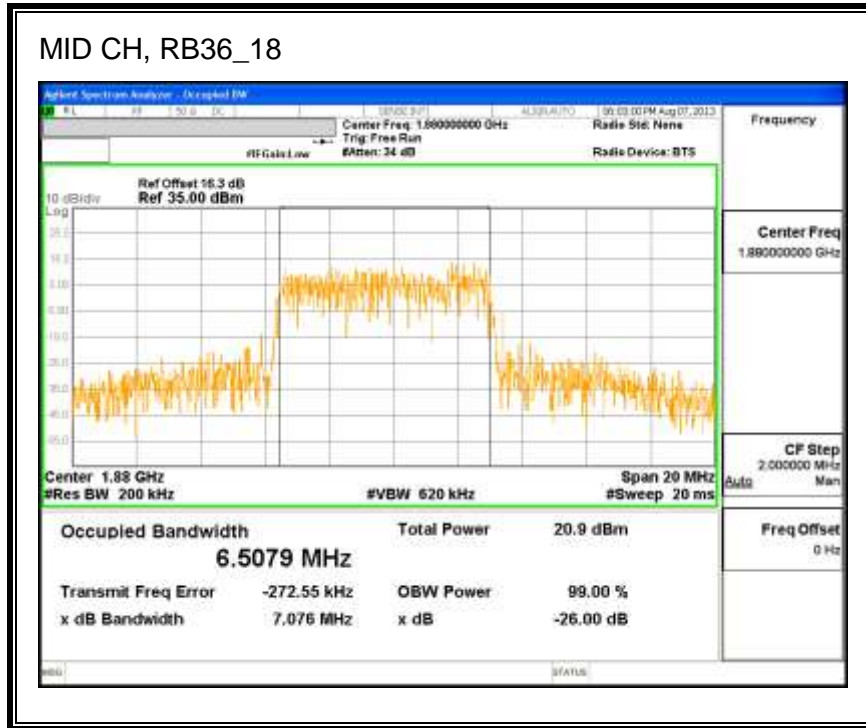


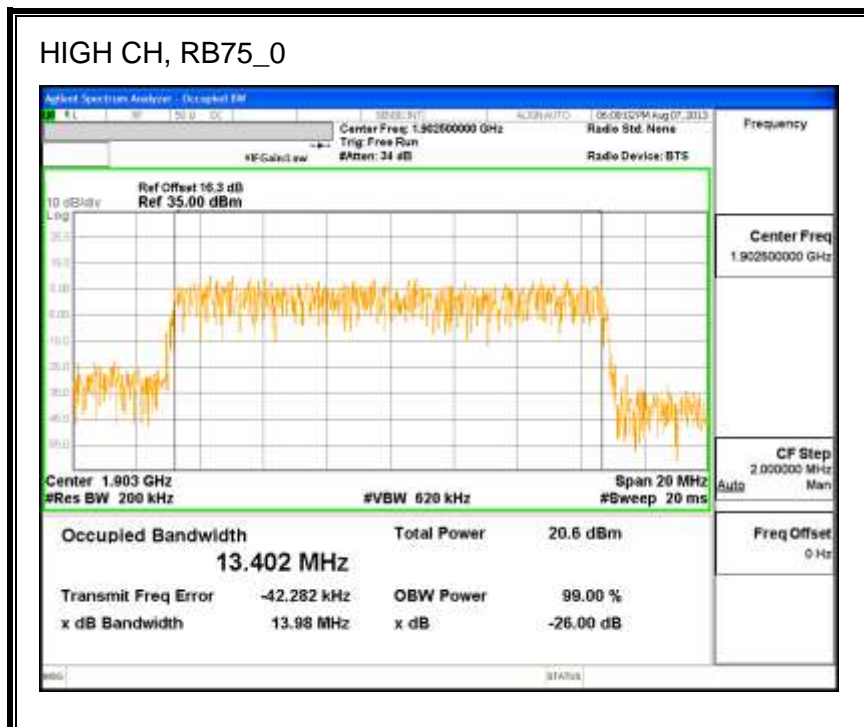
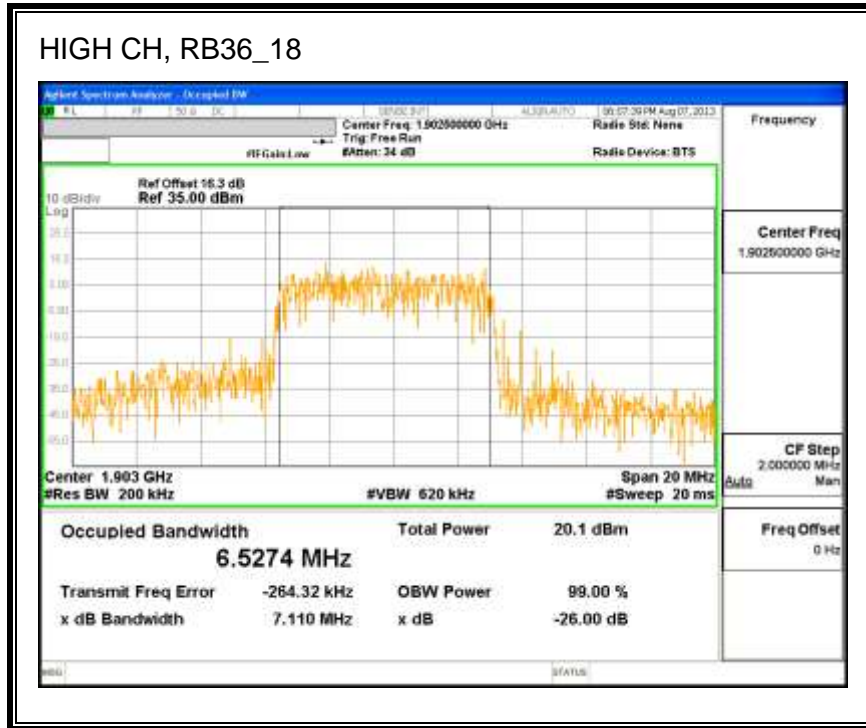


Band 2 (15.0 MHz BAND WIDTH)

LTE 16QAM

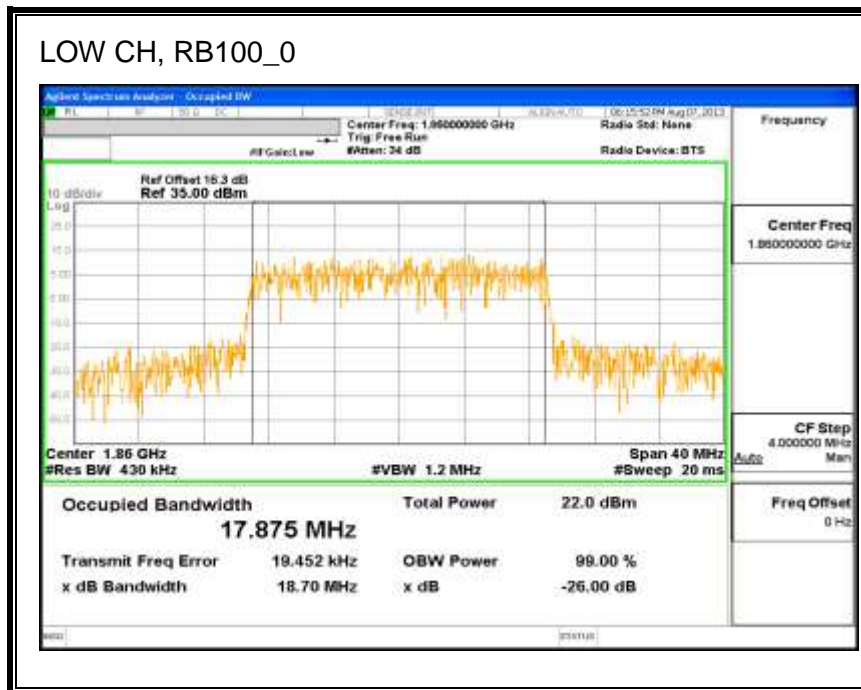
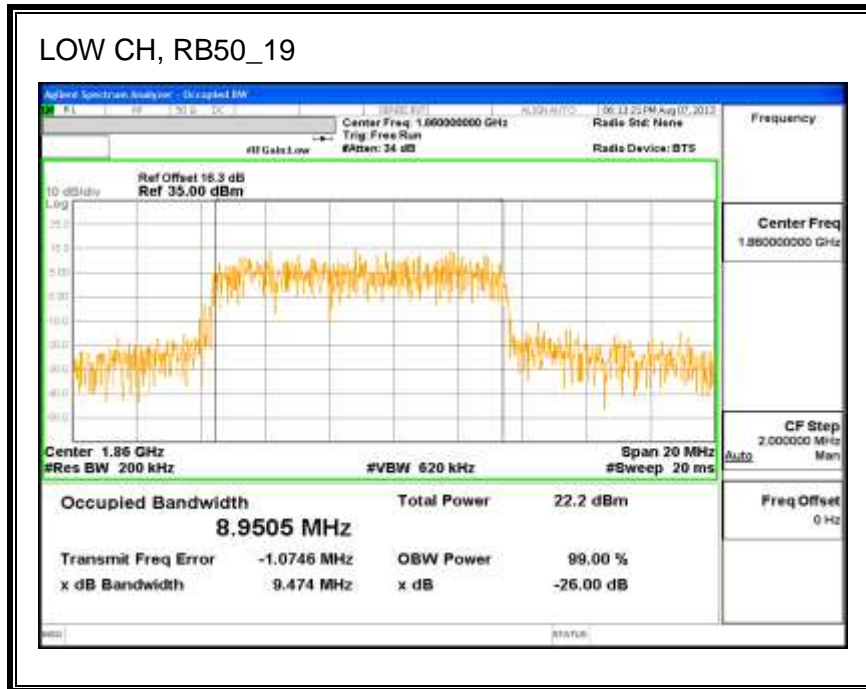


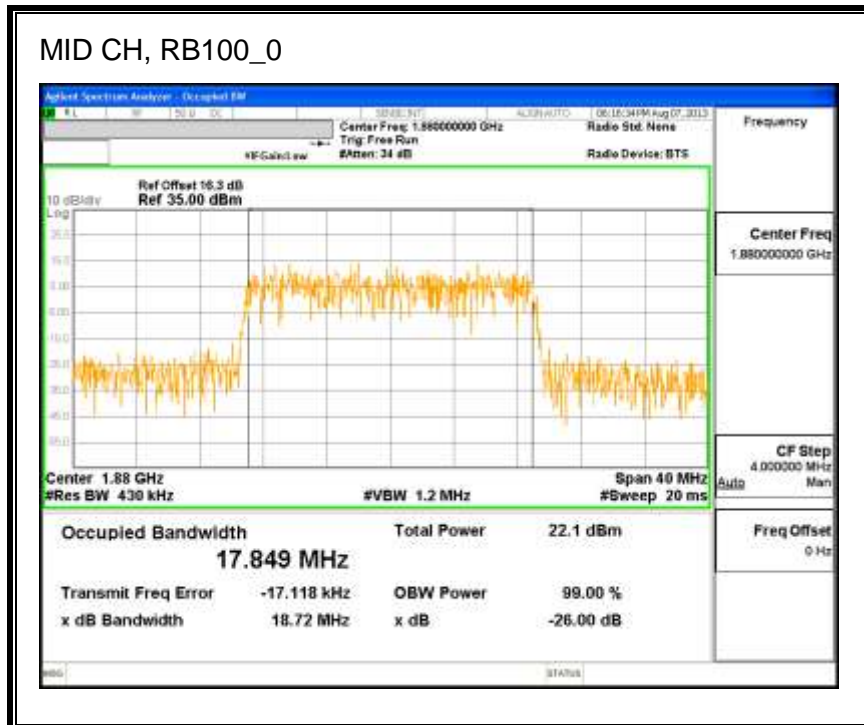
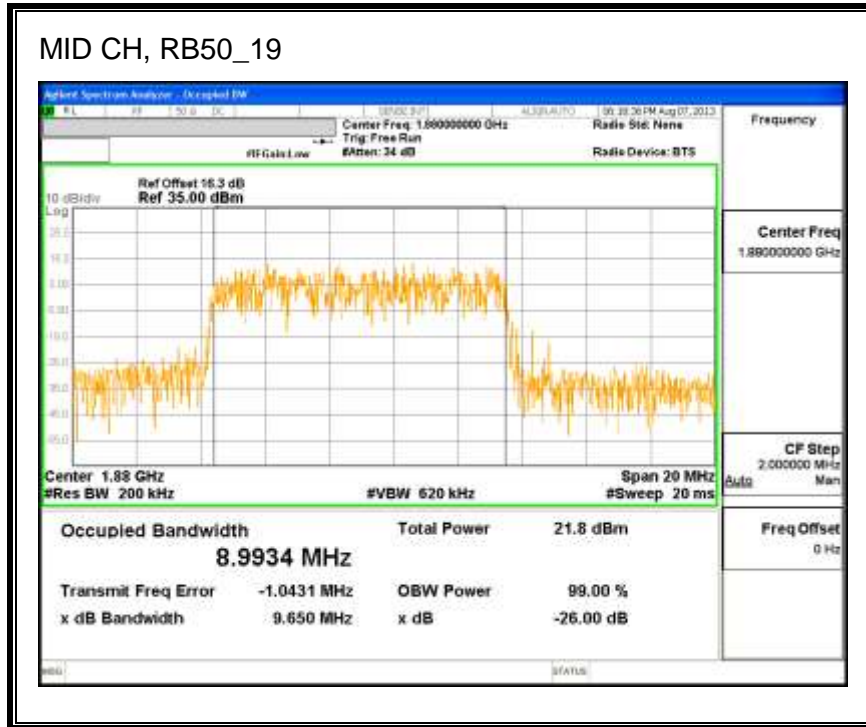


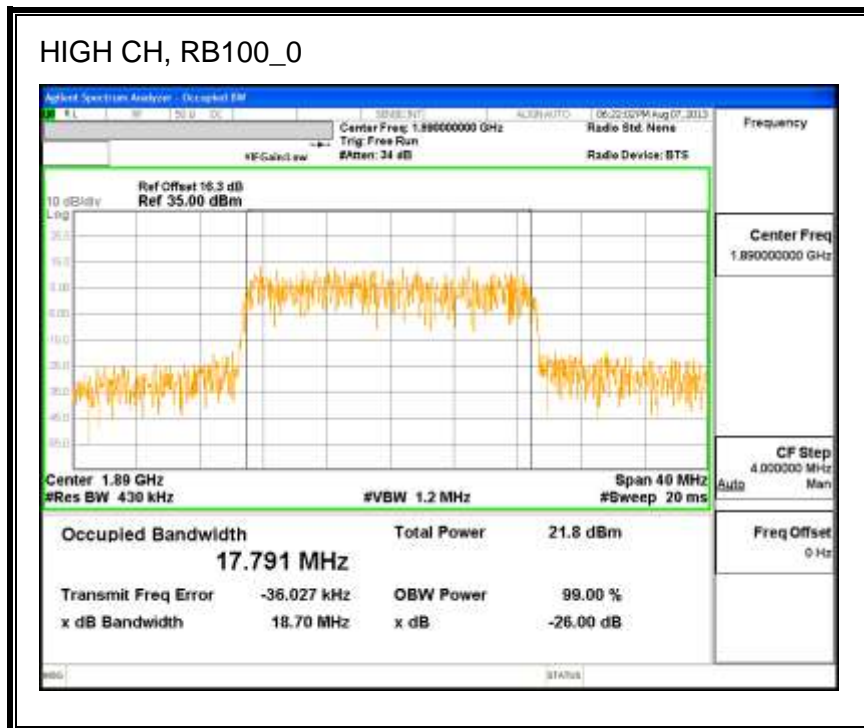
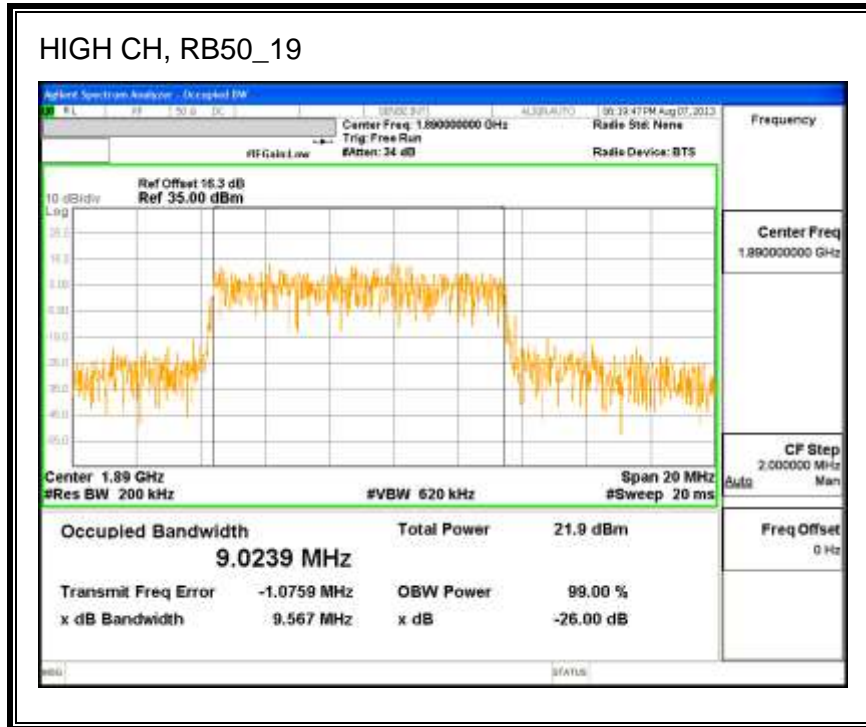


Band 2 (20.0 MHz BAND WIDTH)

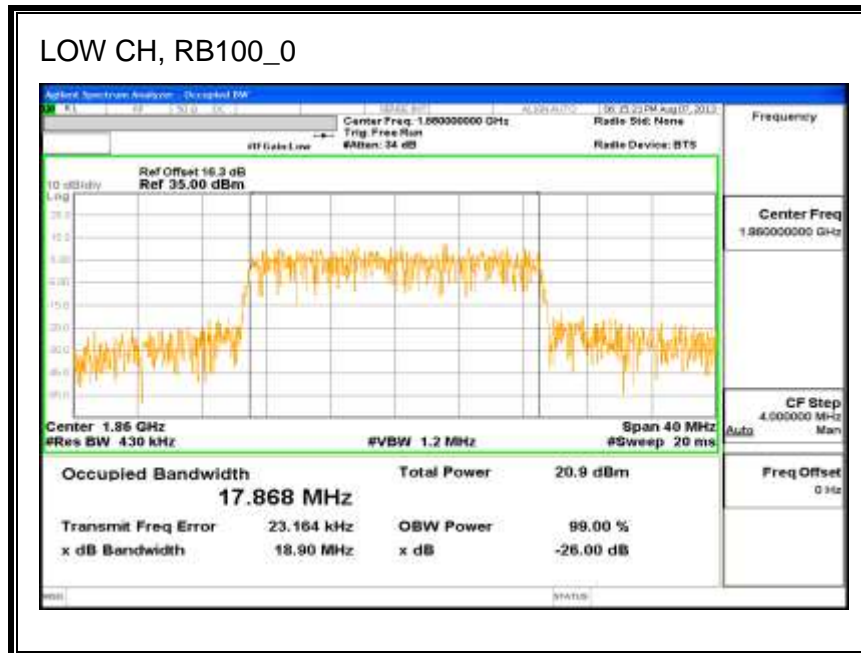
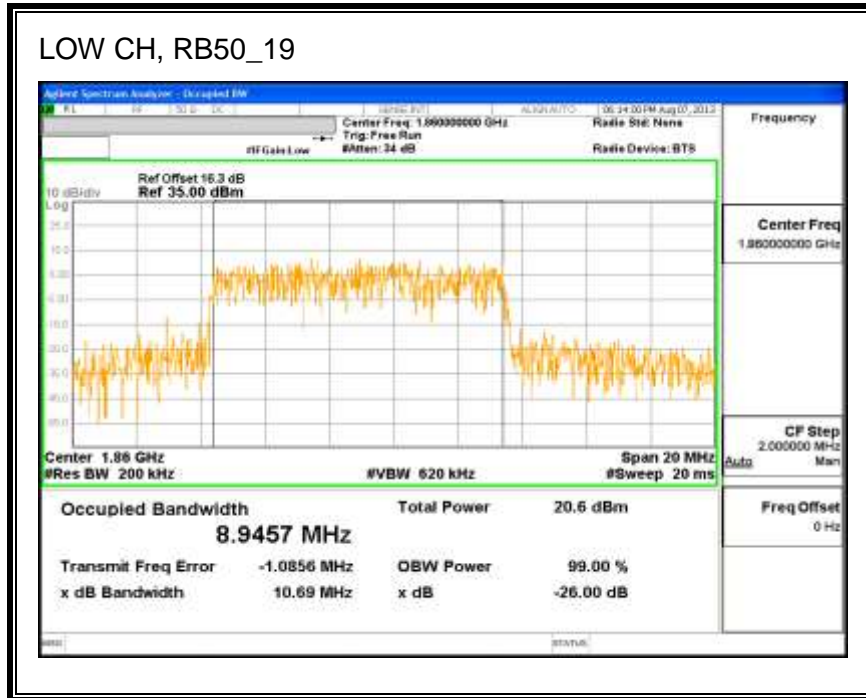
LTE QPSK

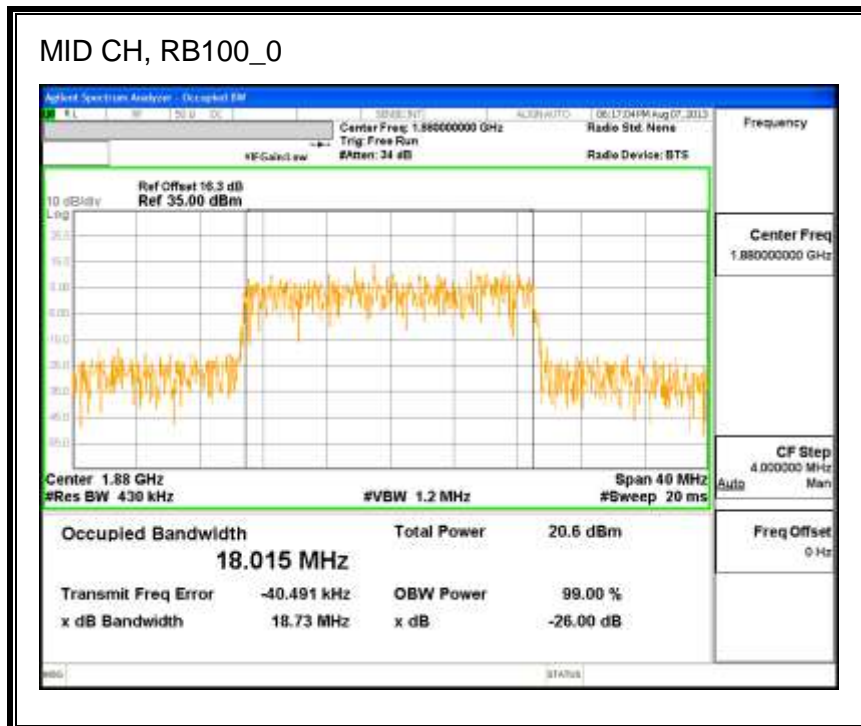
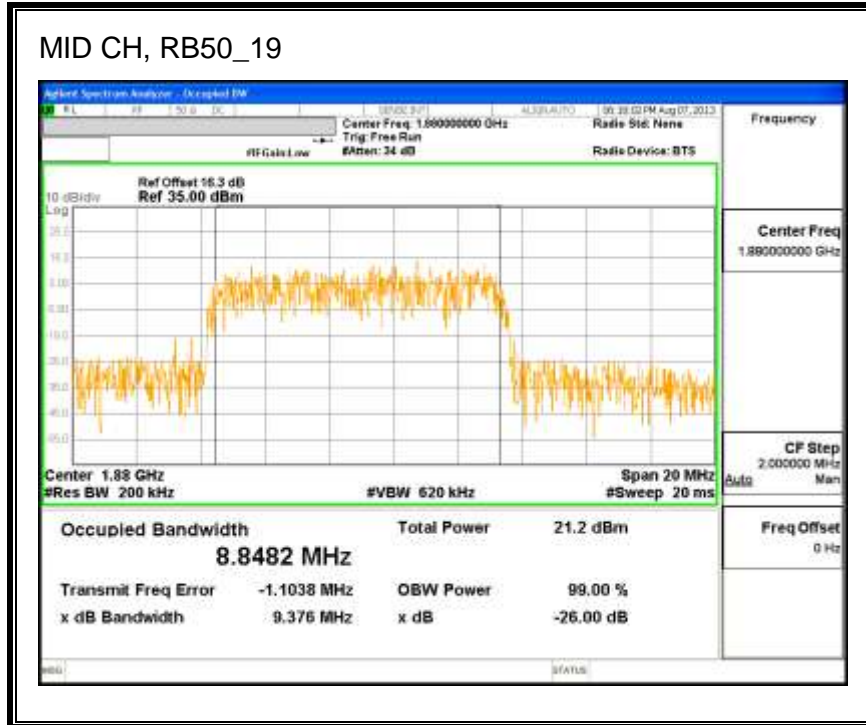


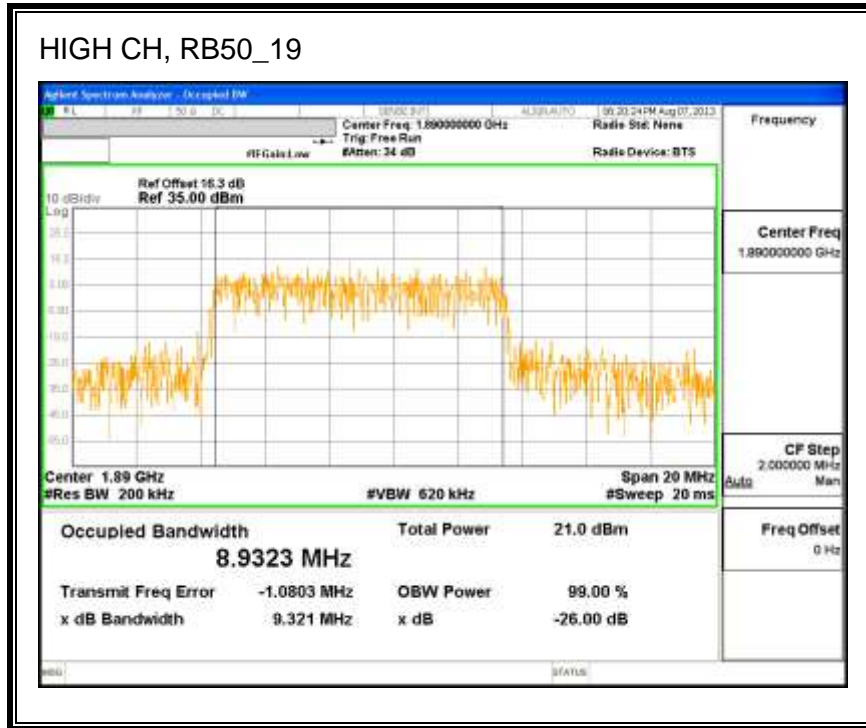




Band 2 (20.0 MHz BAND WIDTH)
LTE 16QAM

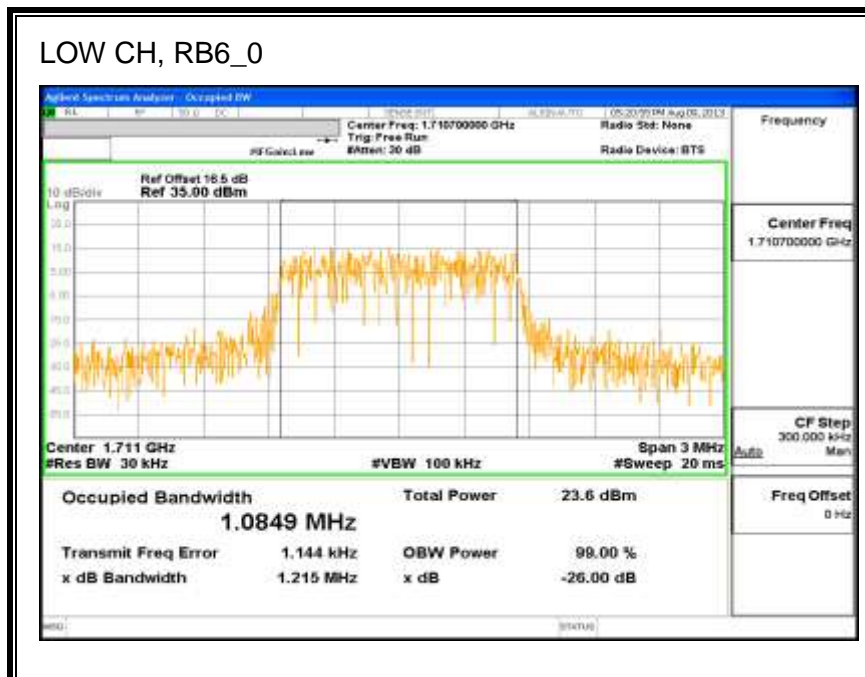
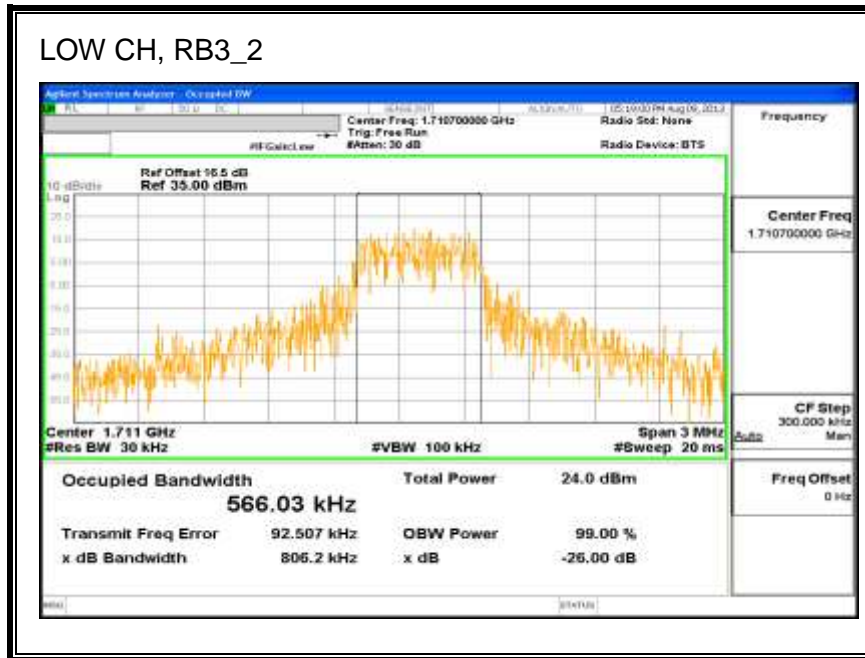


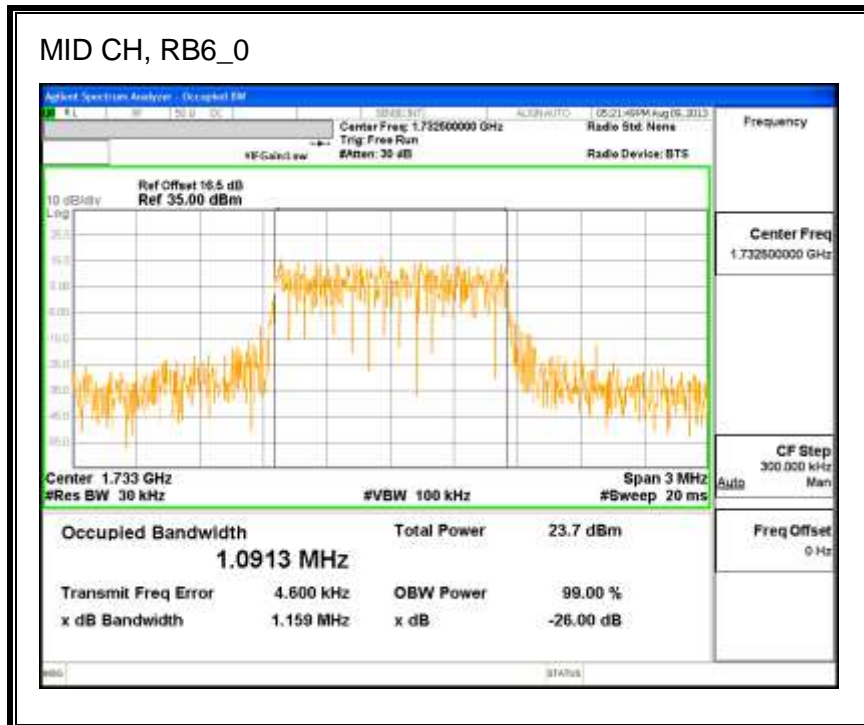
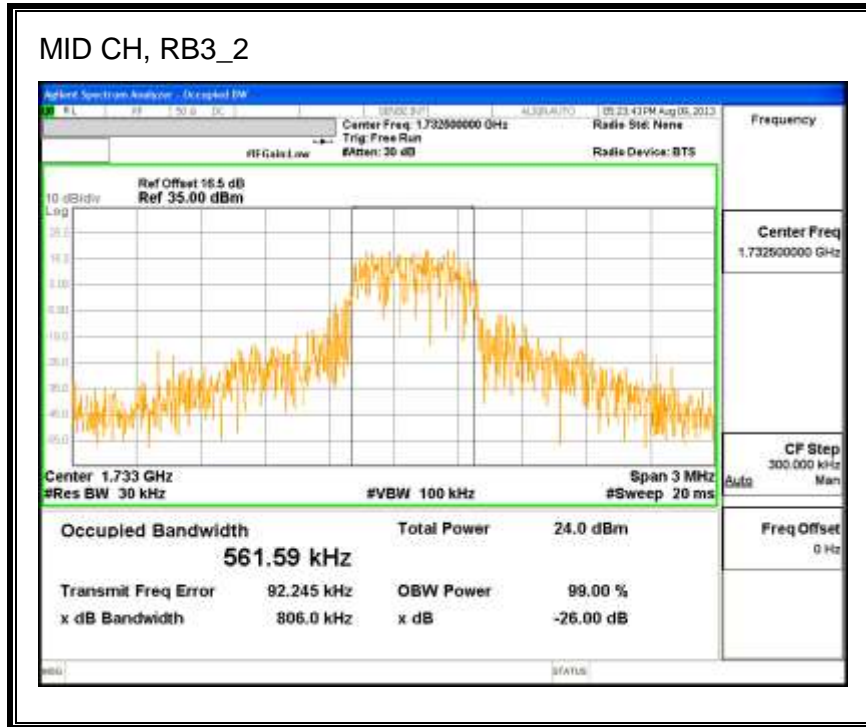


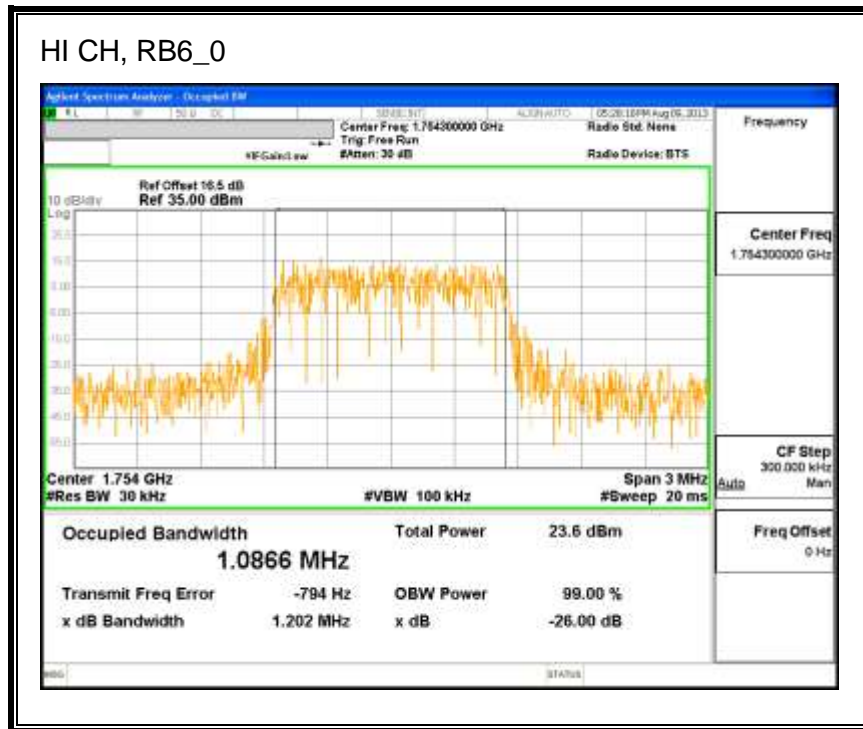
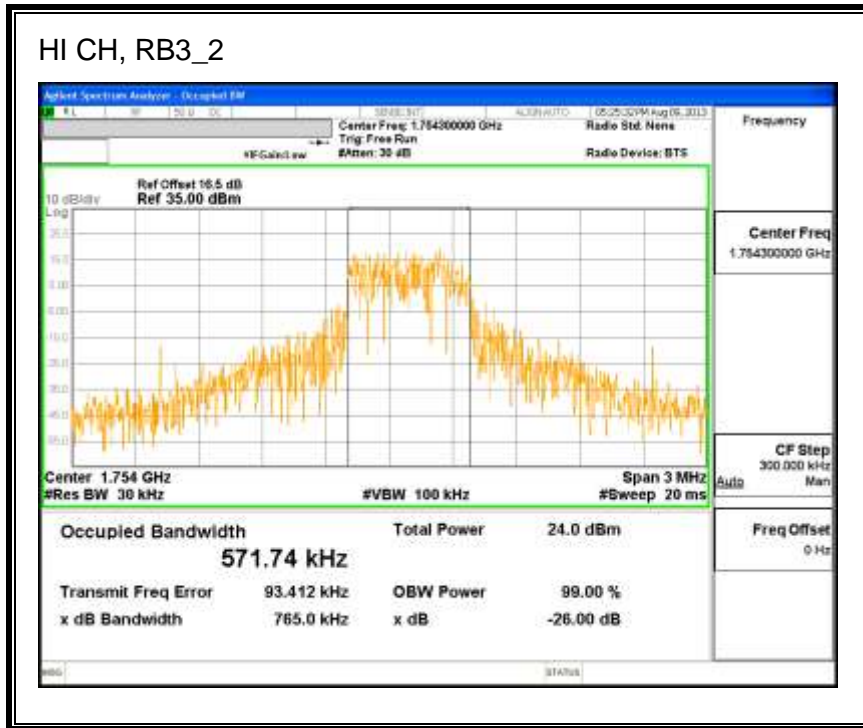


8.1.2. LTE BAND 4

1.4MHz (QPSK)

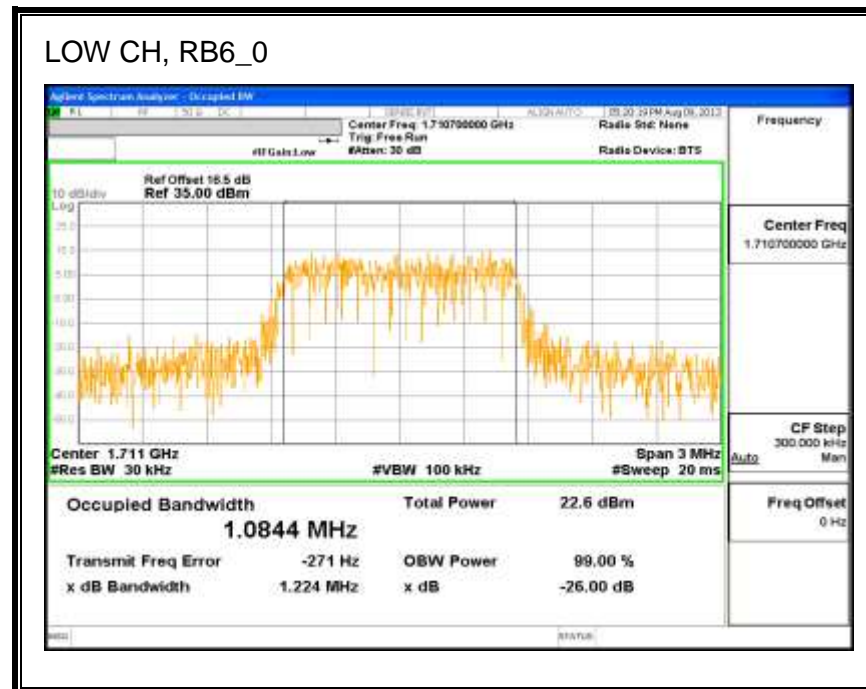
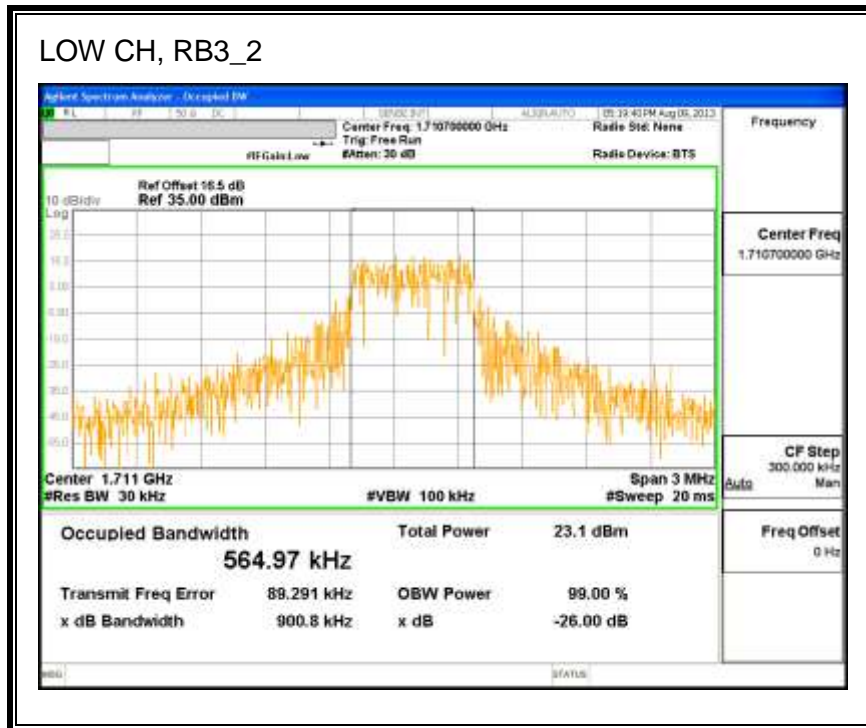


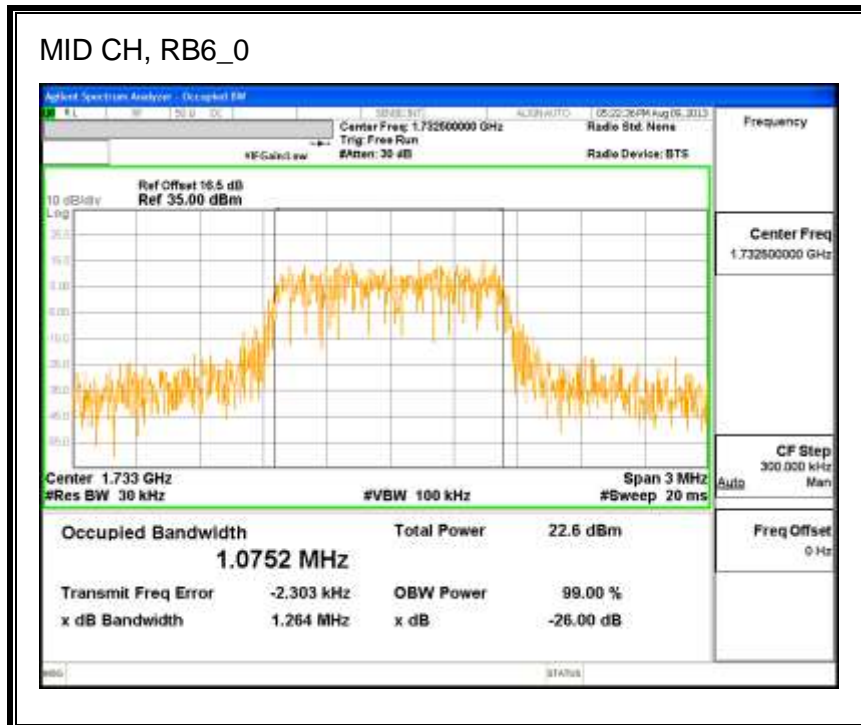
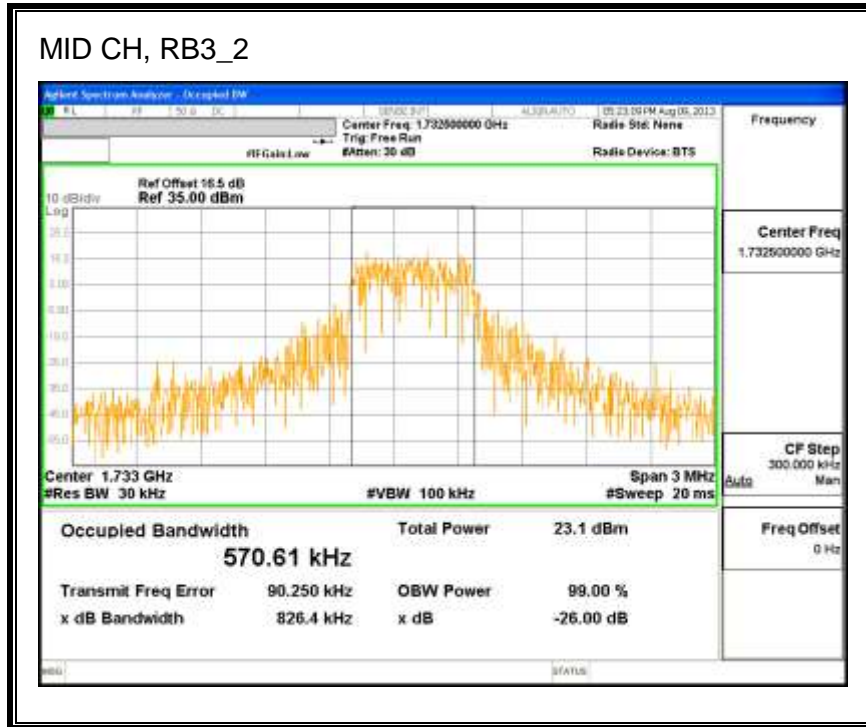


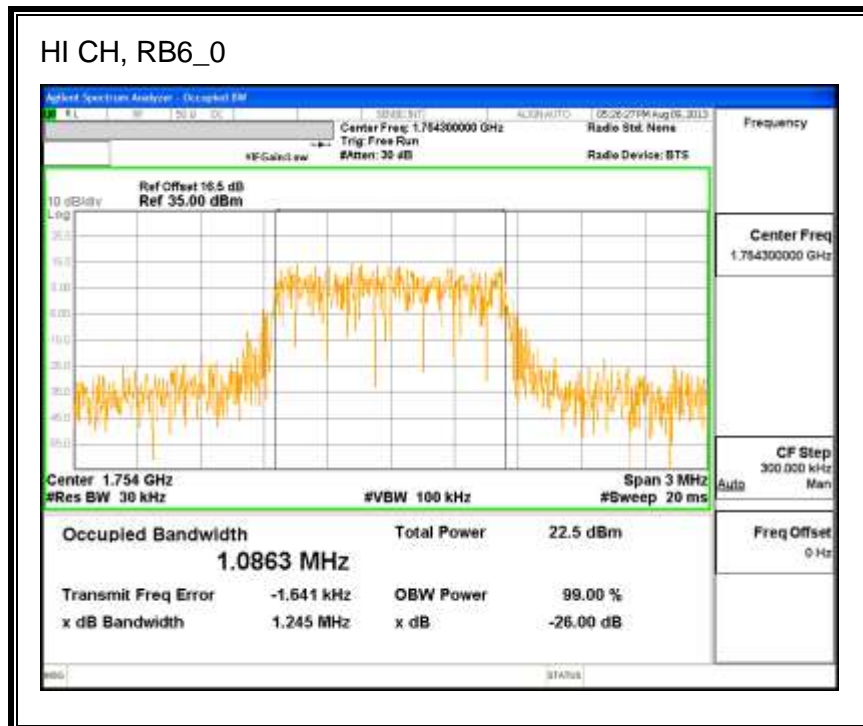
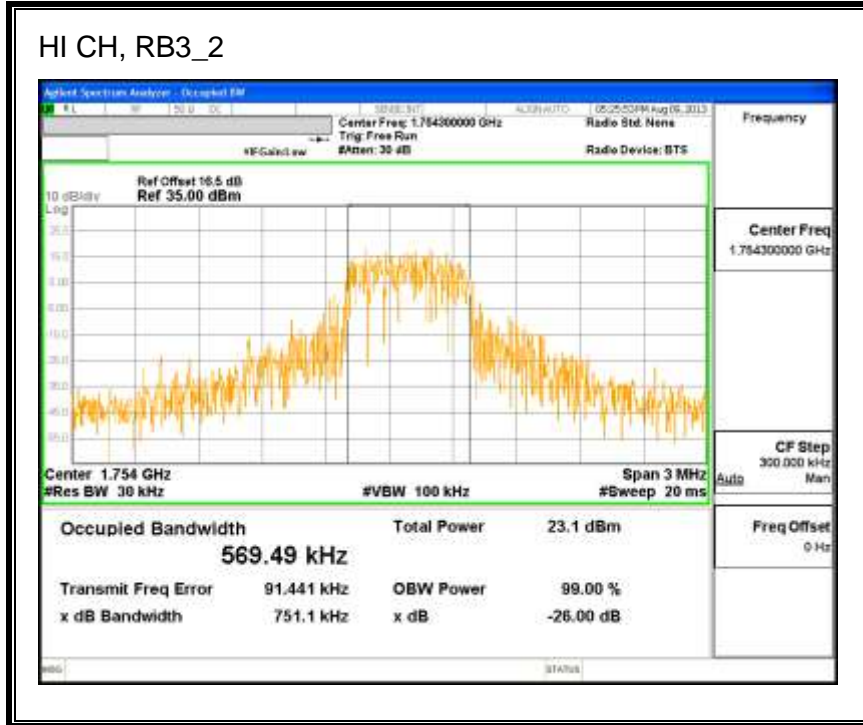


Band 4 (1.4 MHz BAND WIDTH)

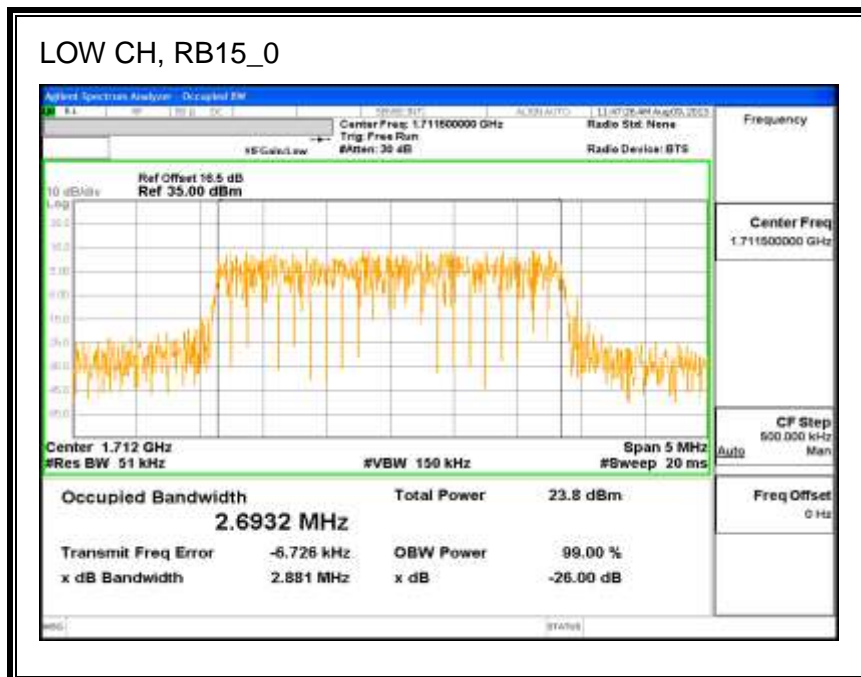
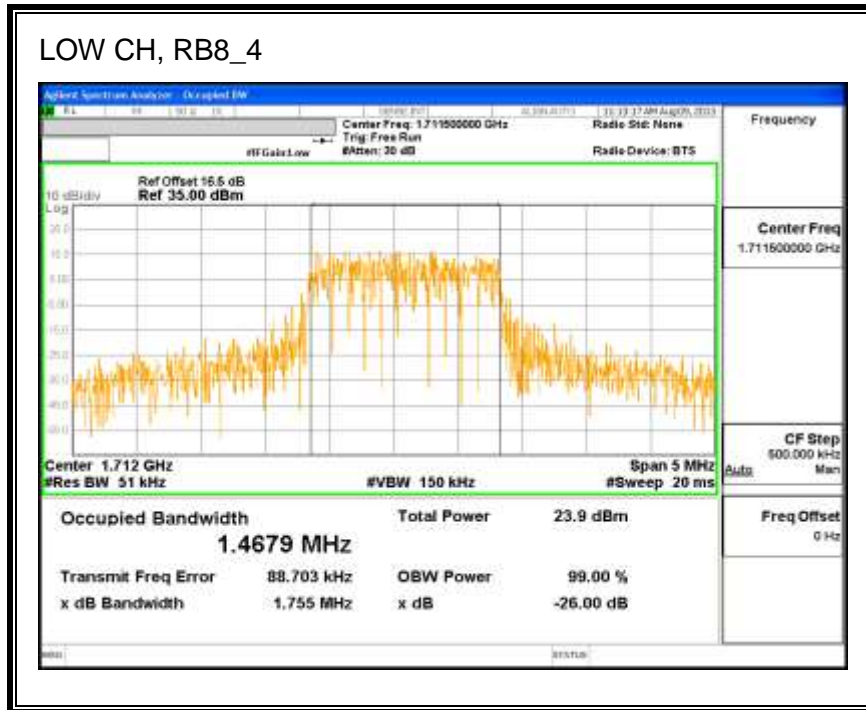
LTE 16QAM

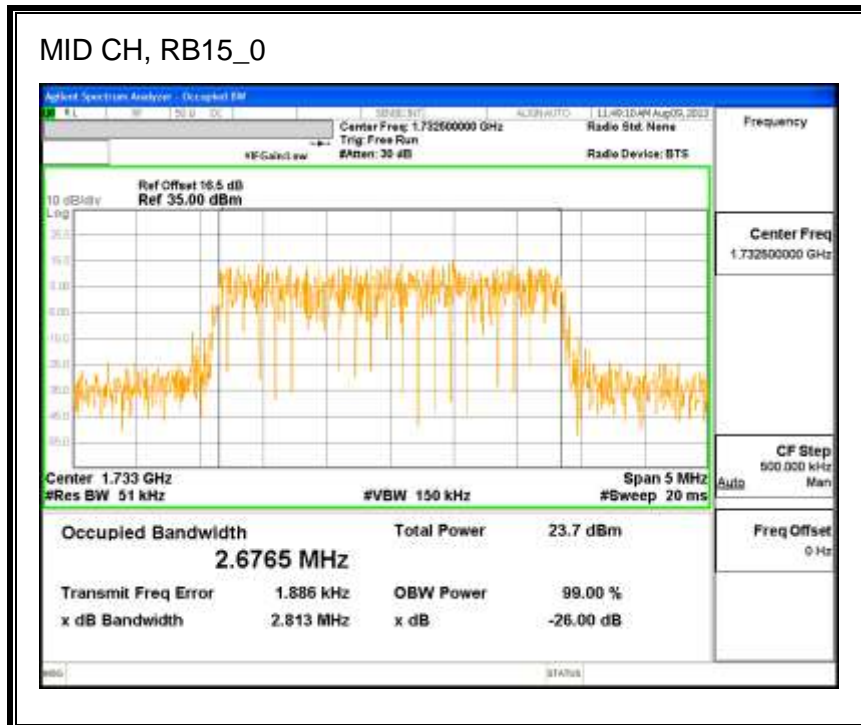
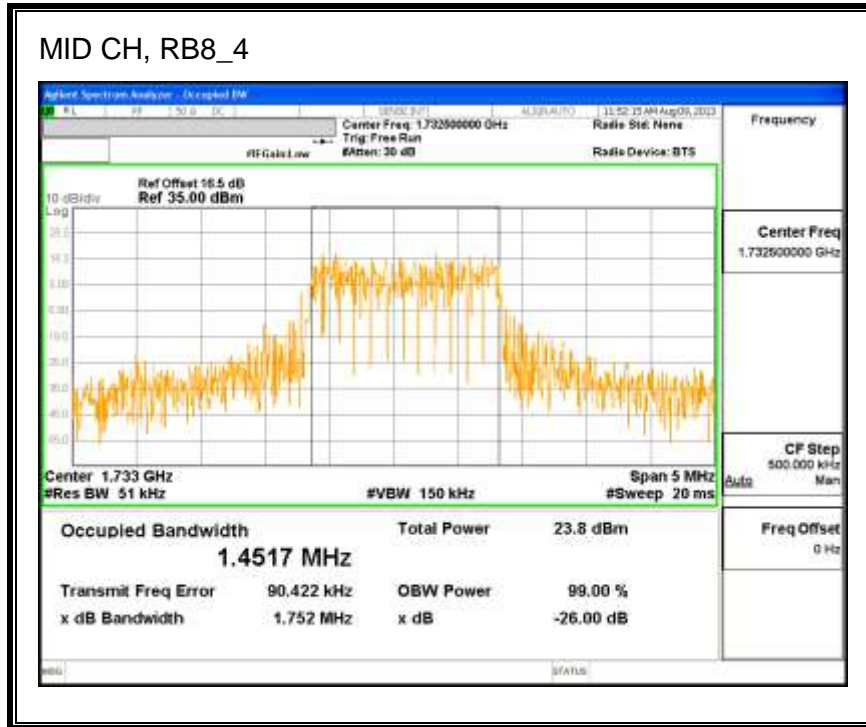


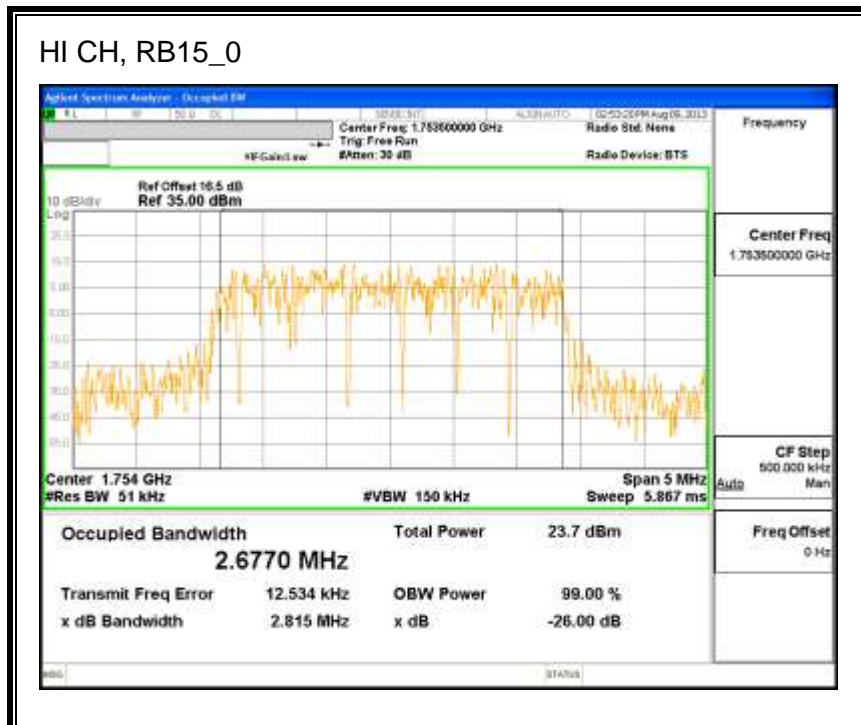
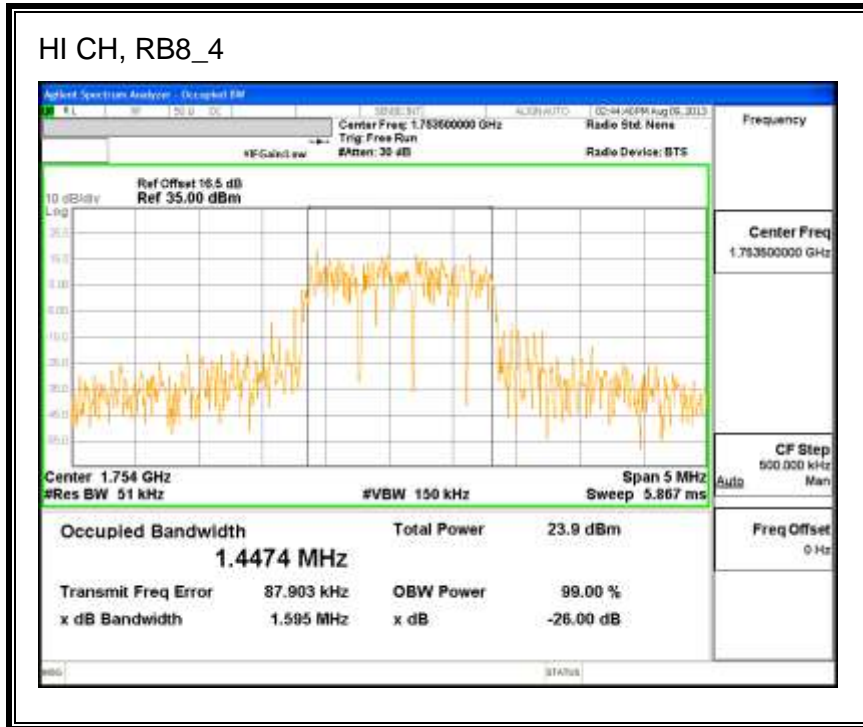




Band 4 (3.0 MHz BAND WIDTH)



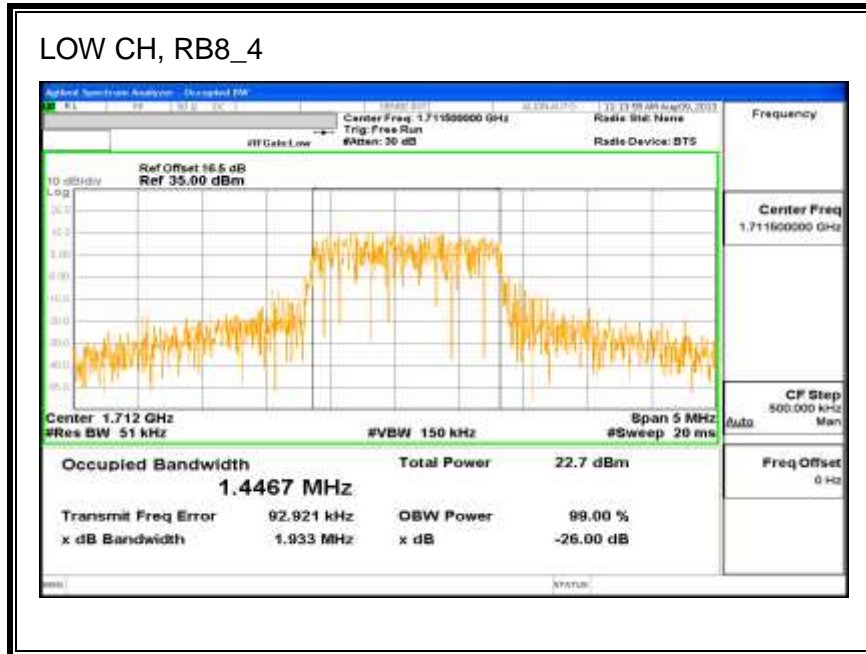




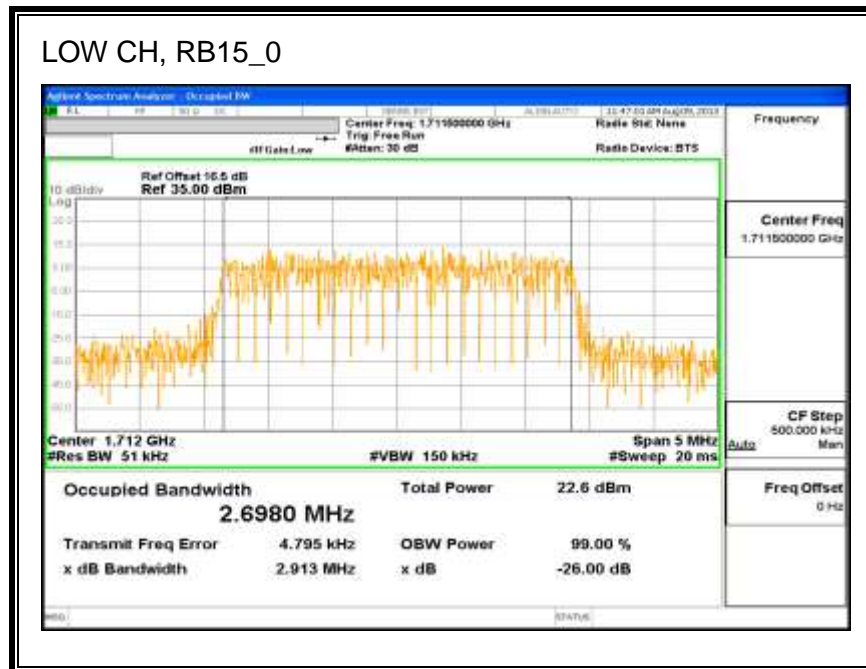
Band 4 (3.0 MHz BAND WIDTH)

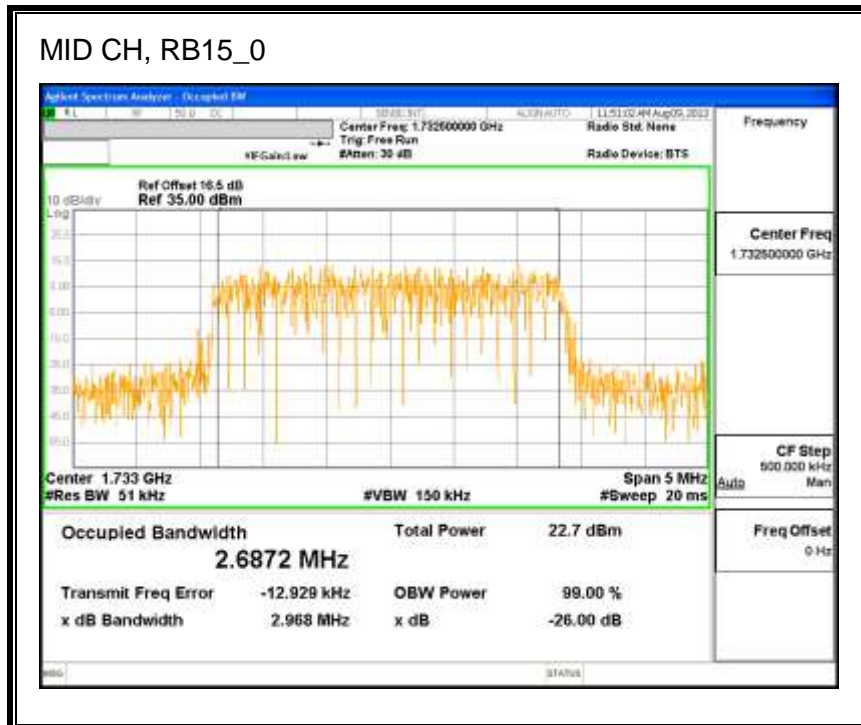
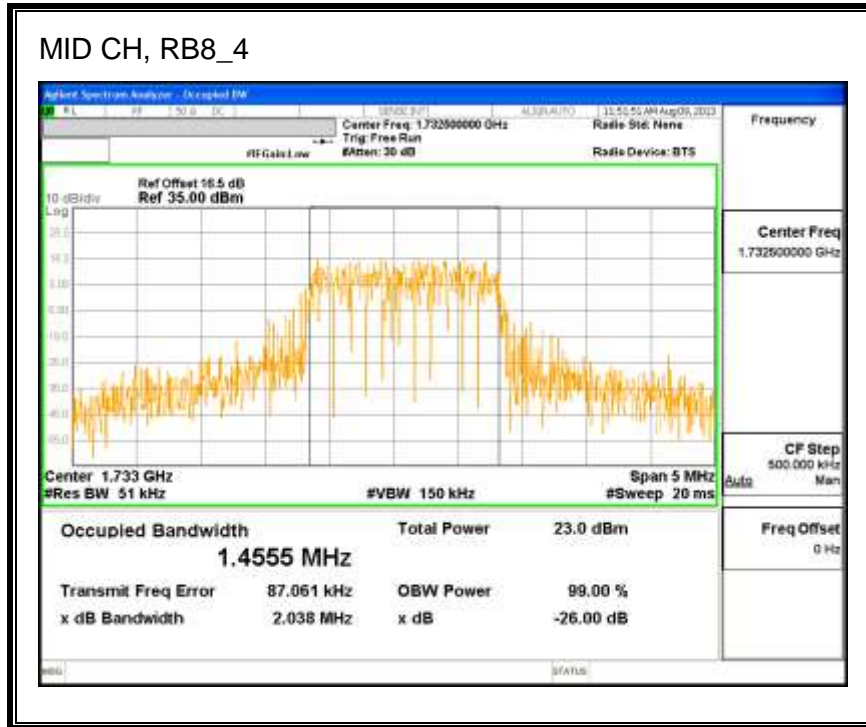
LTE 16QAM

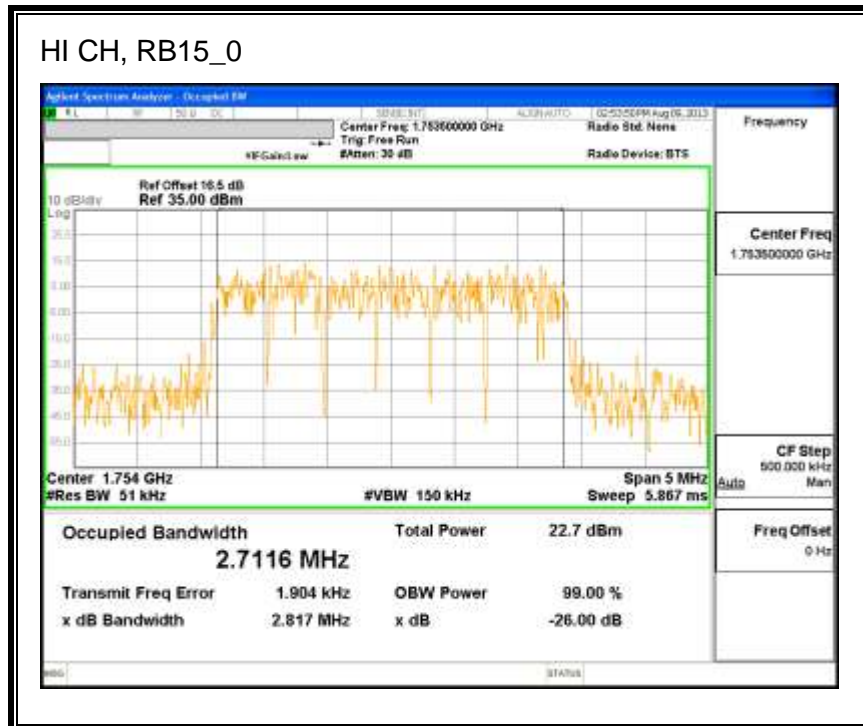
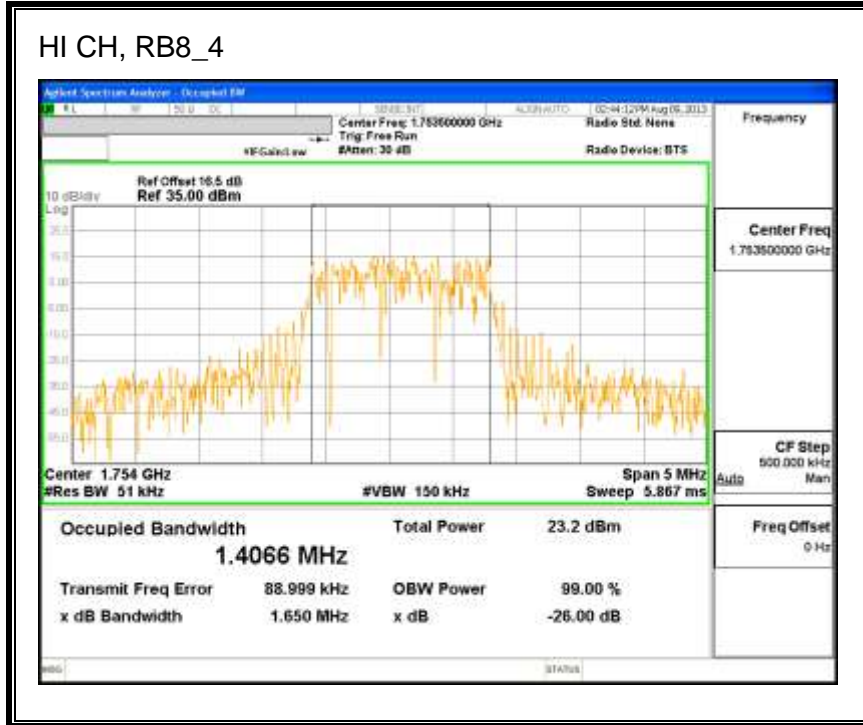
LOW CH, RB8_4



LOW CH, RB15_0

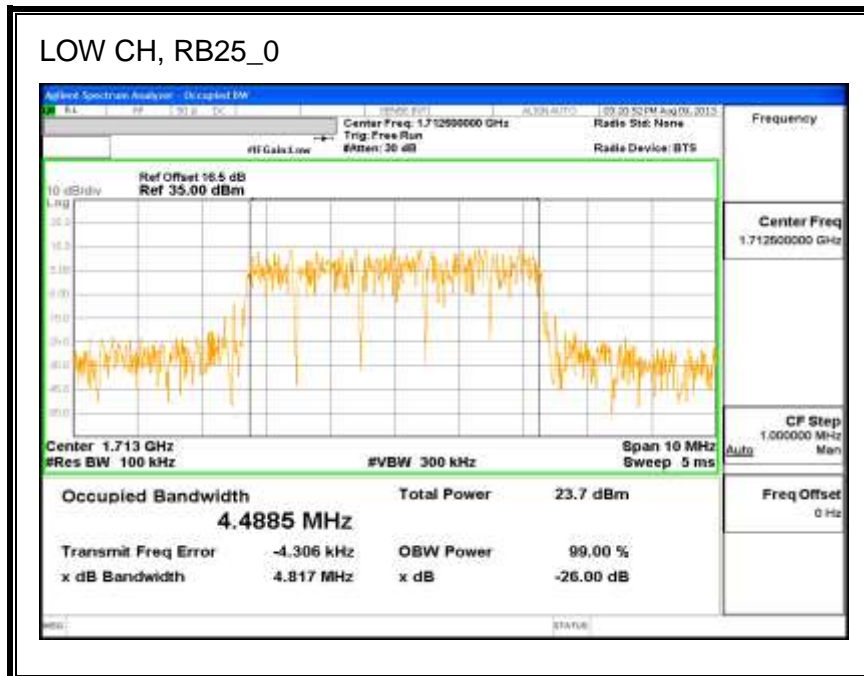
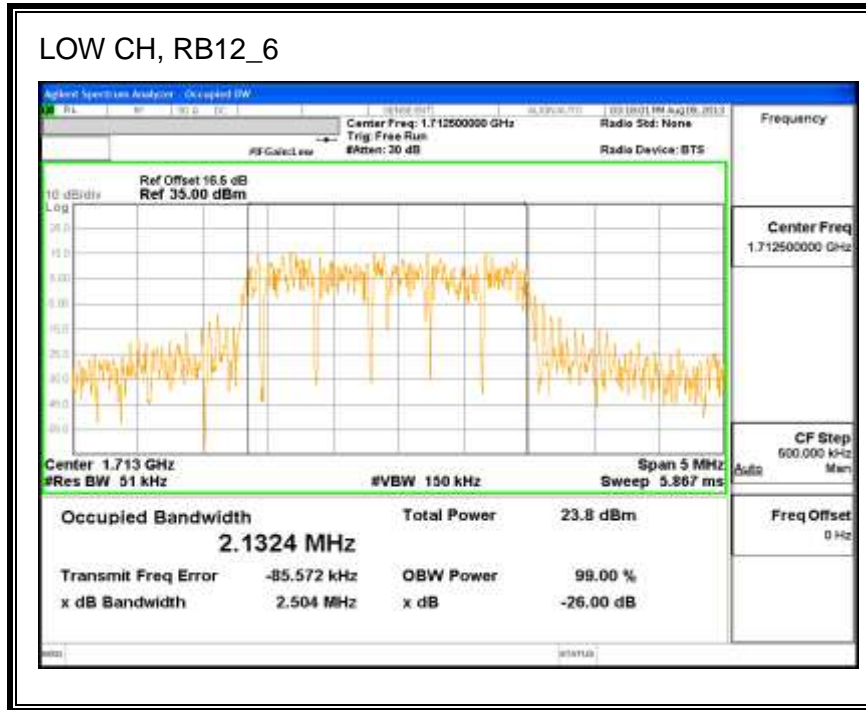


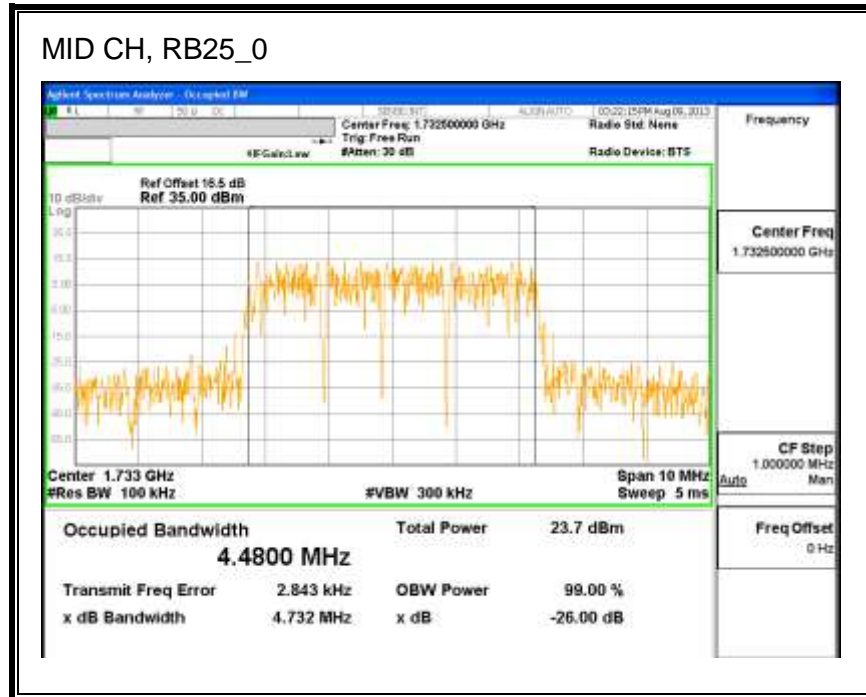
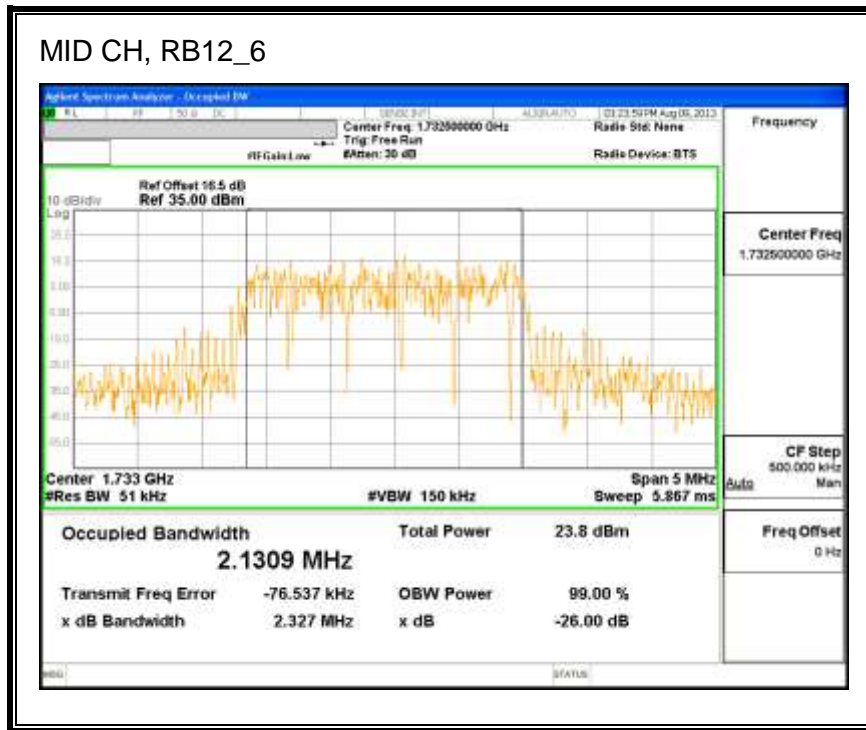


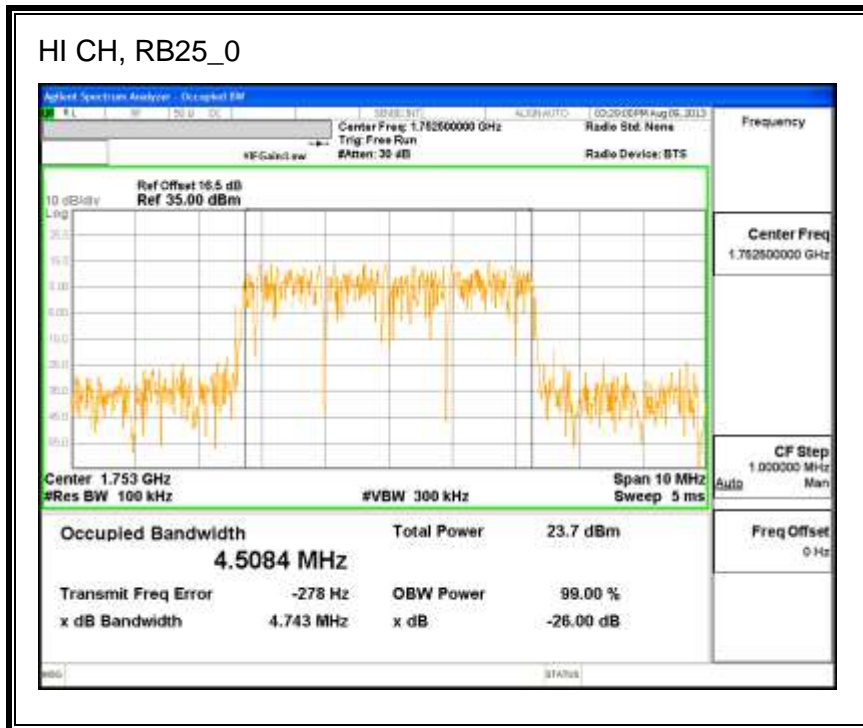
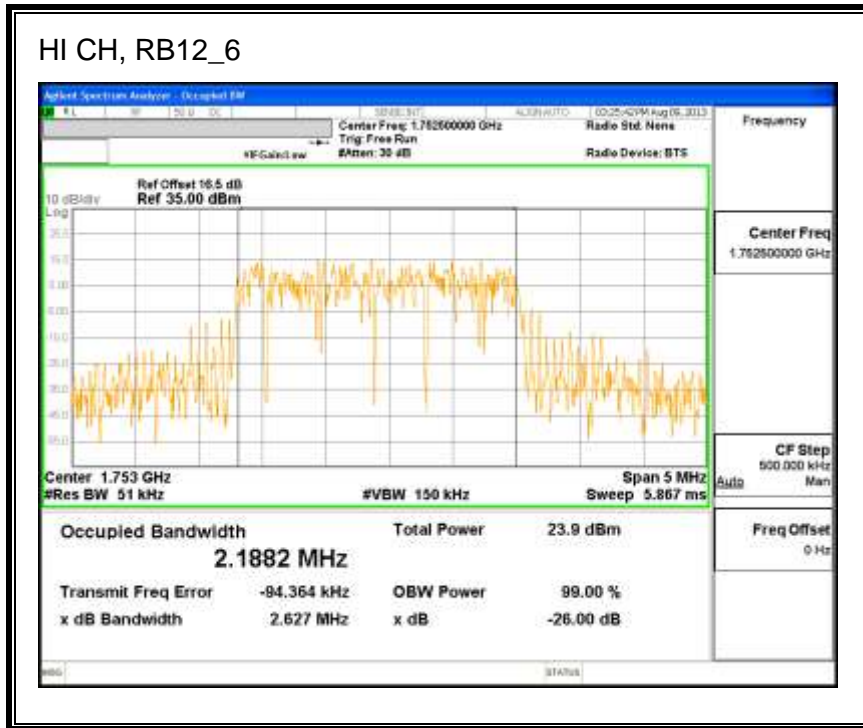


Band 4 (5.0 MHz BAND WIDTH)

LTE QPSK

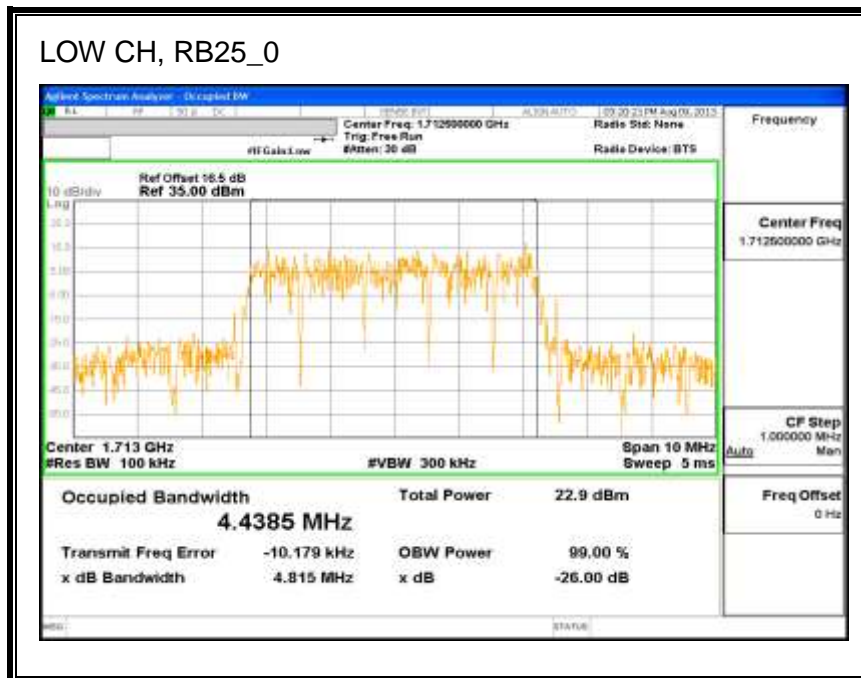
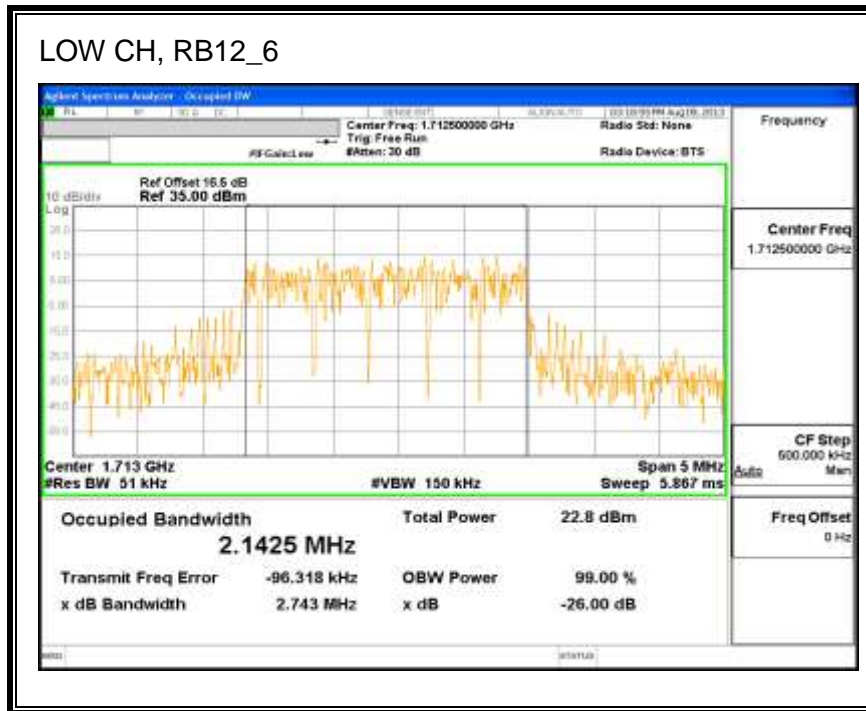


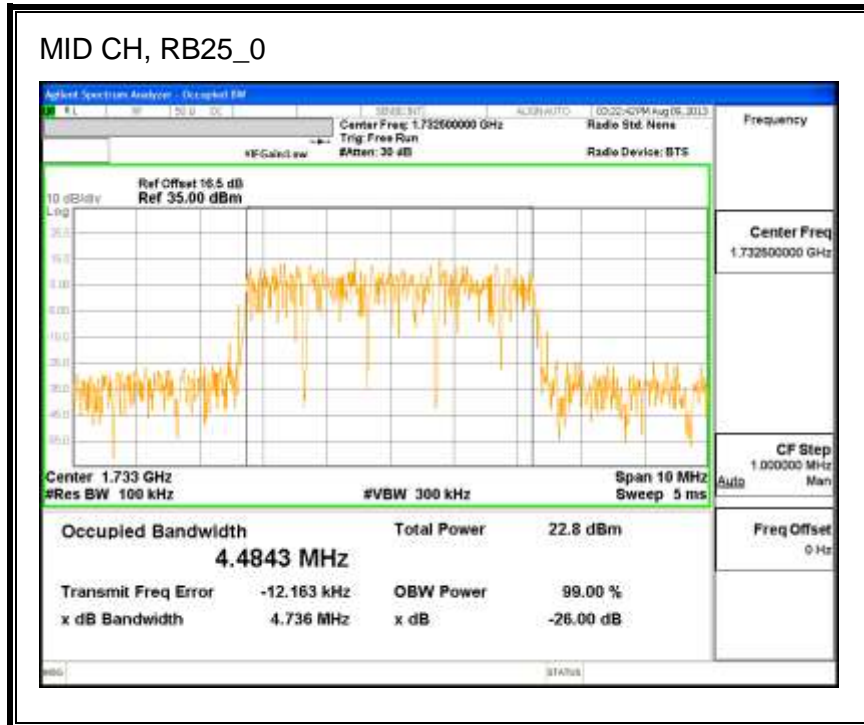
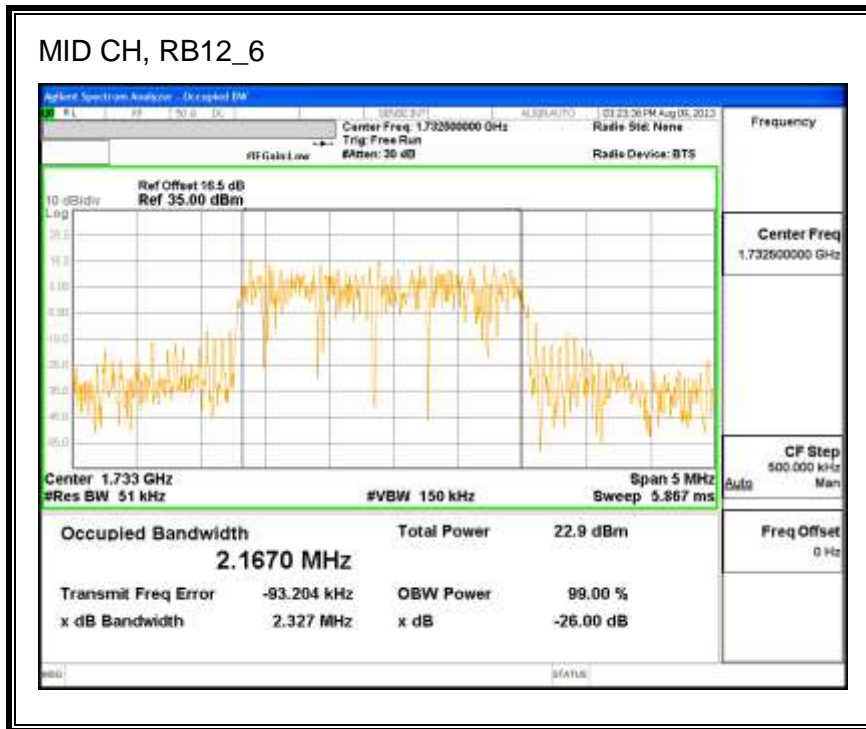


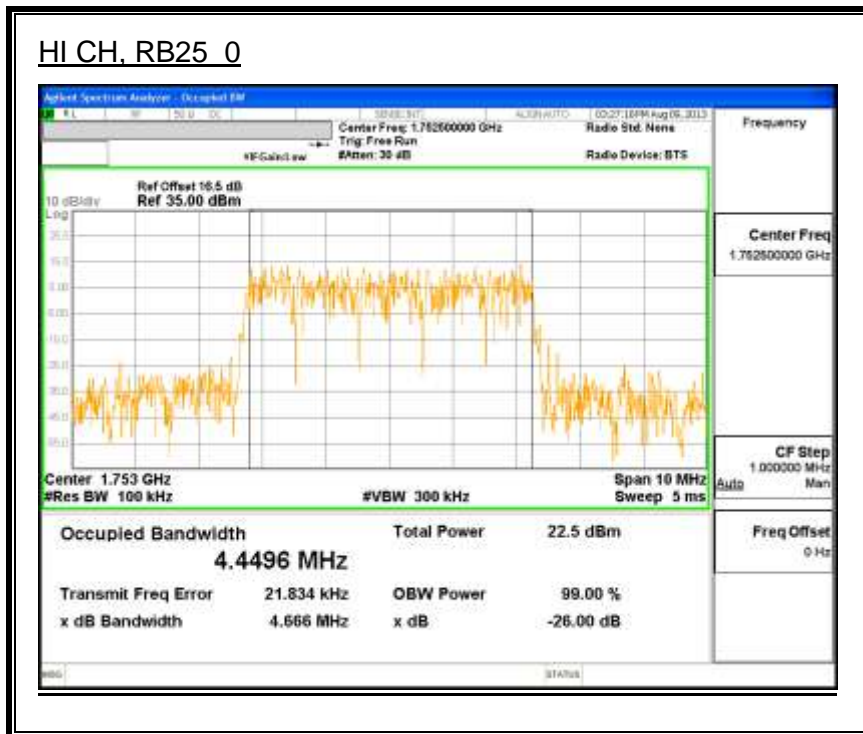
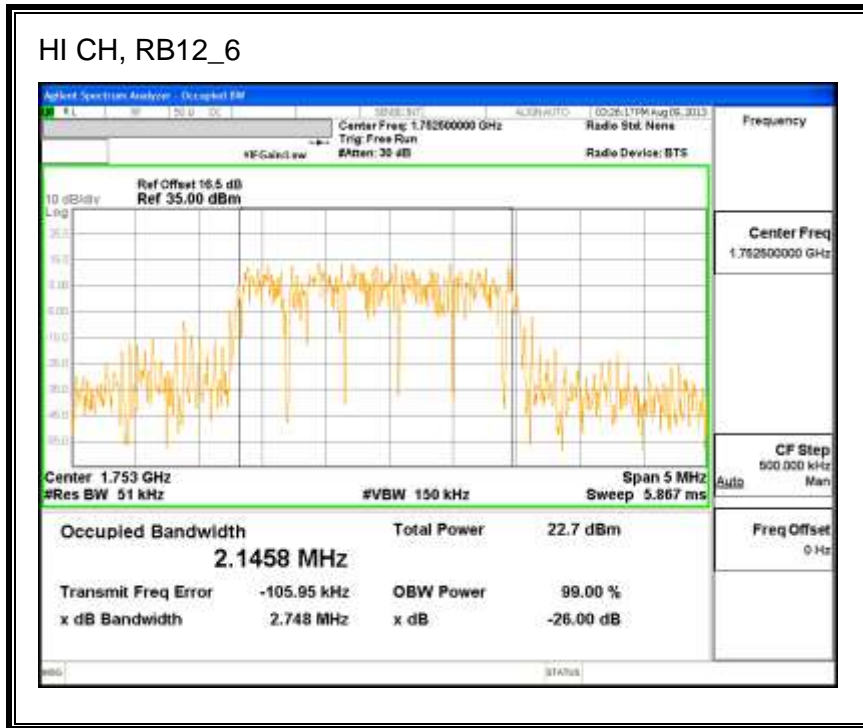


Band 4 (5 MHz BAND WIDTH)

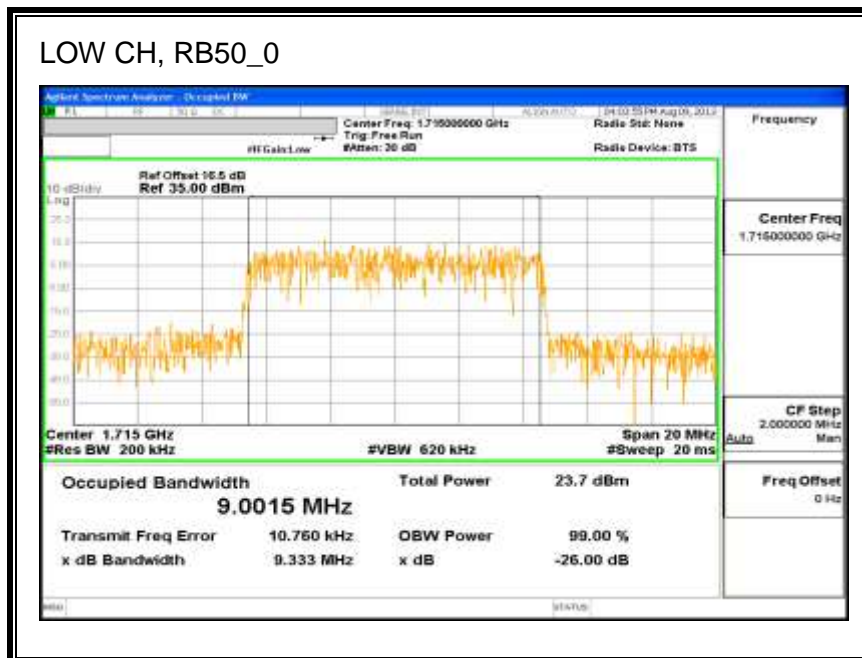
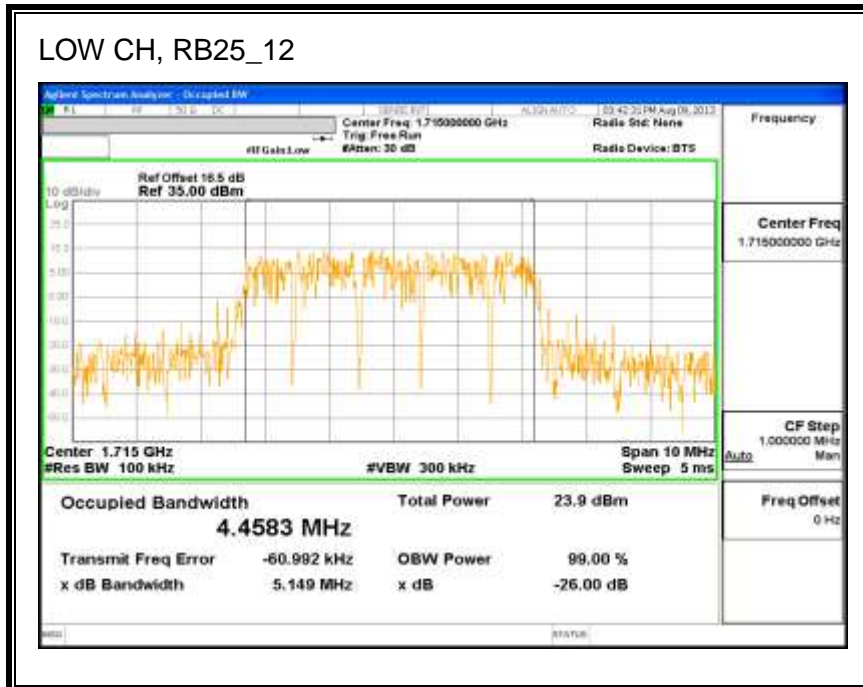
LTE 16QAM

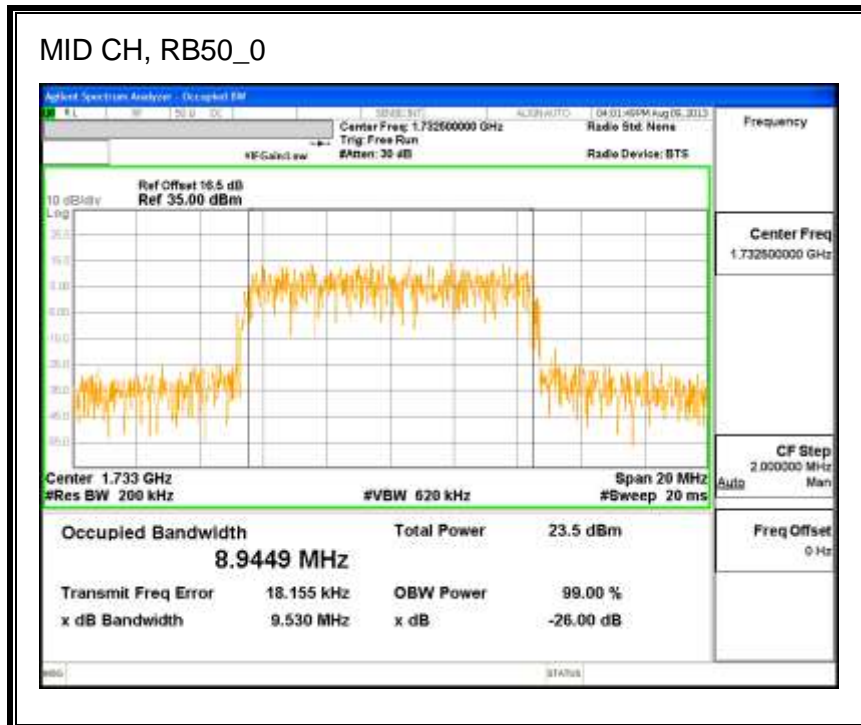
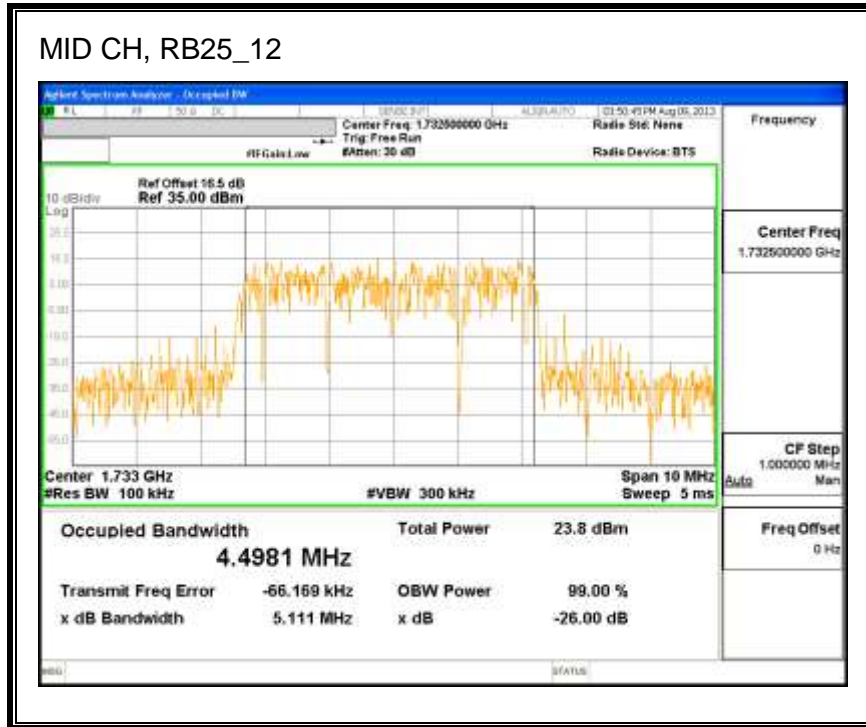


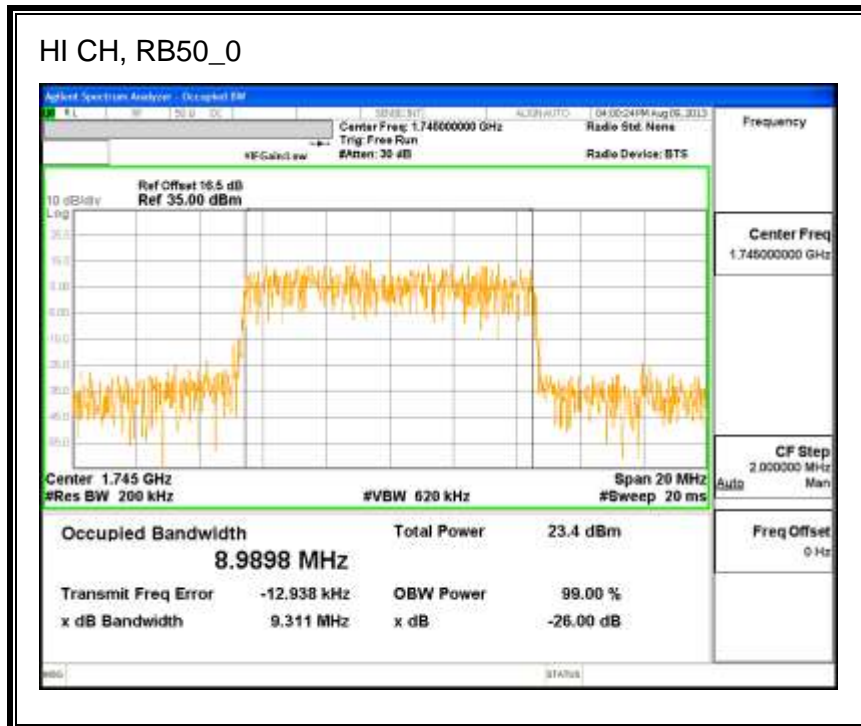
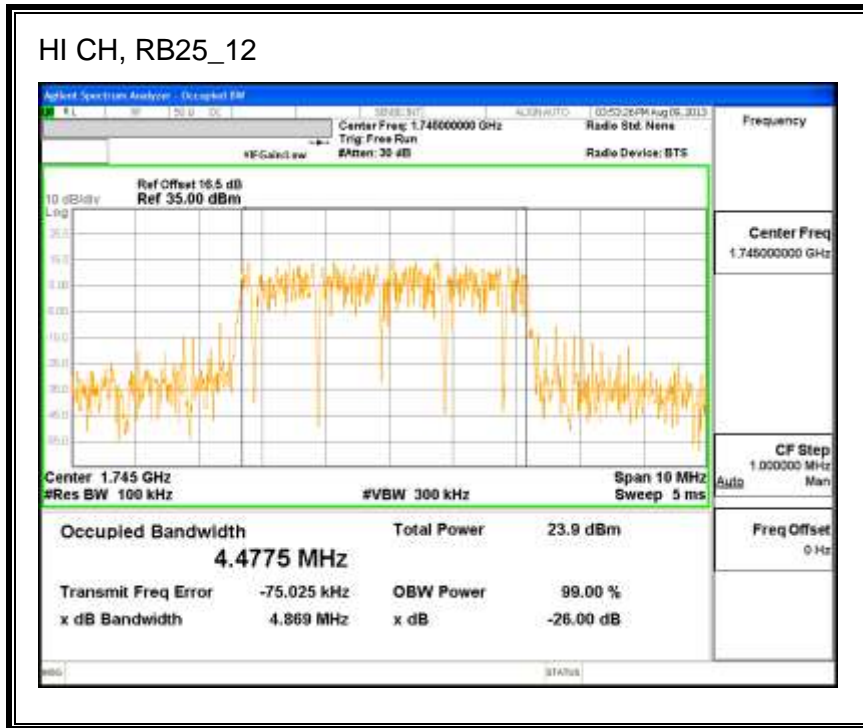




Band 4 (10.0 MHz BAND WIDTH)

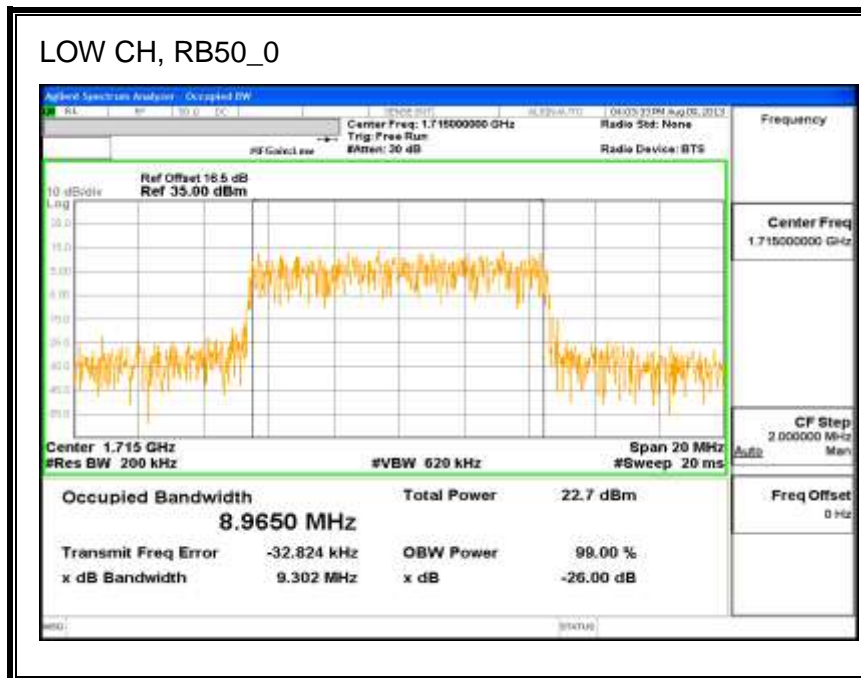
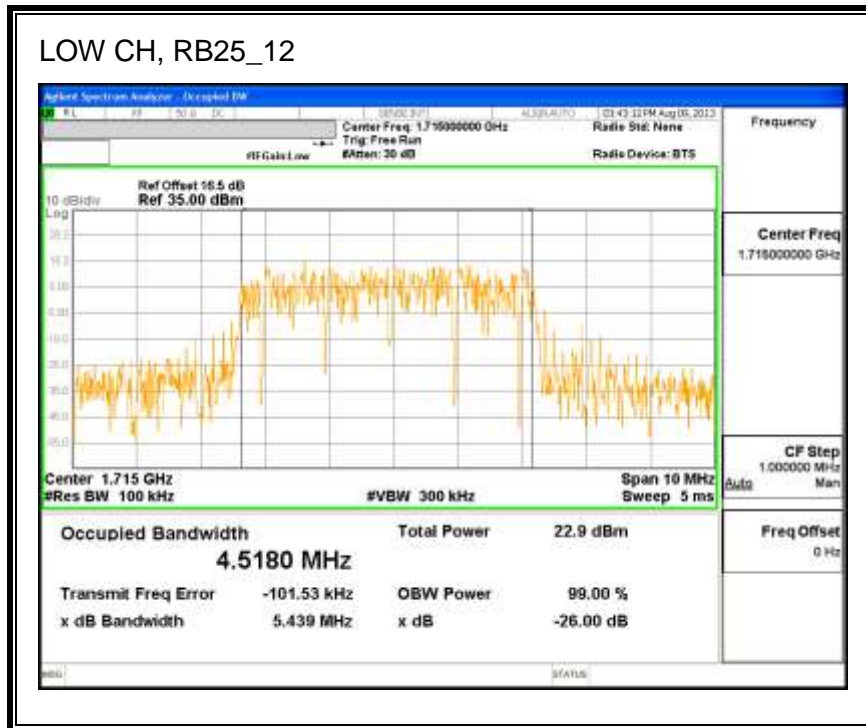


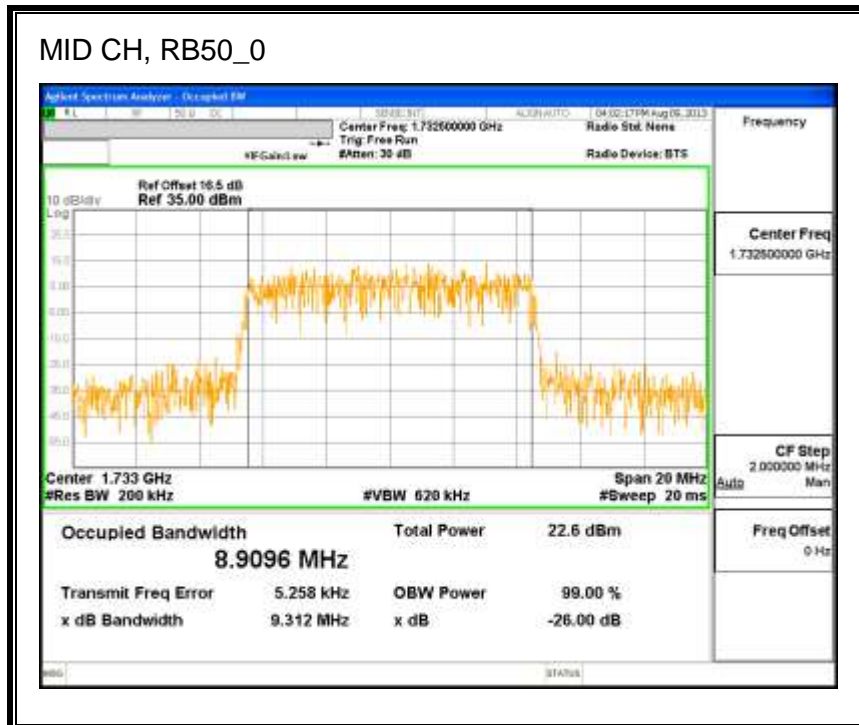
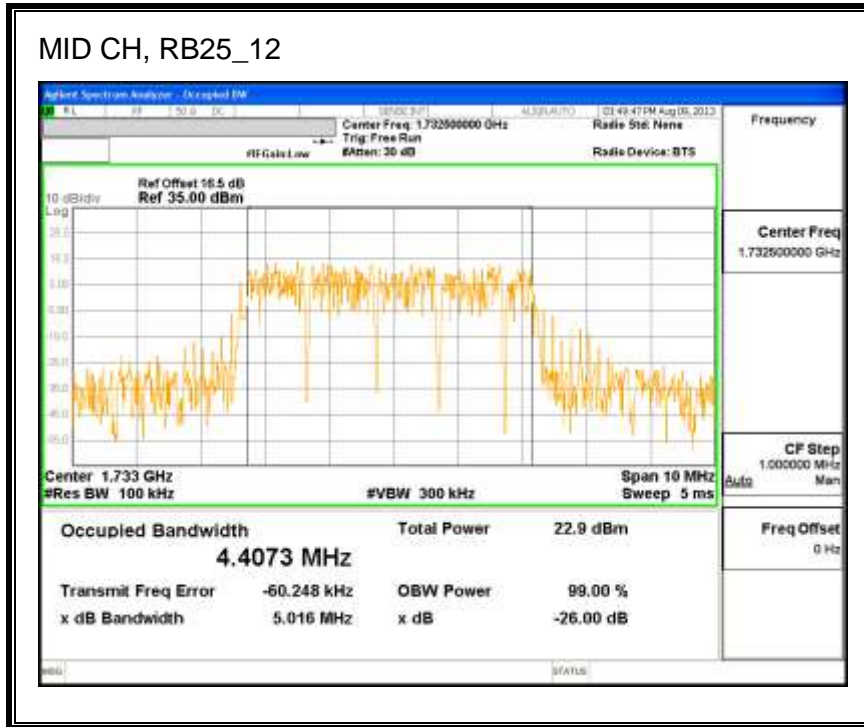


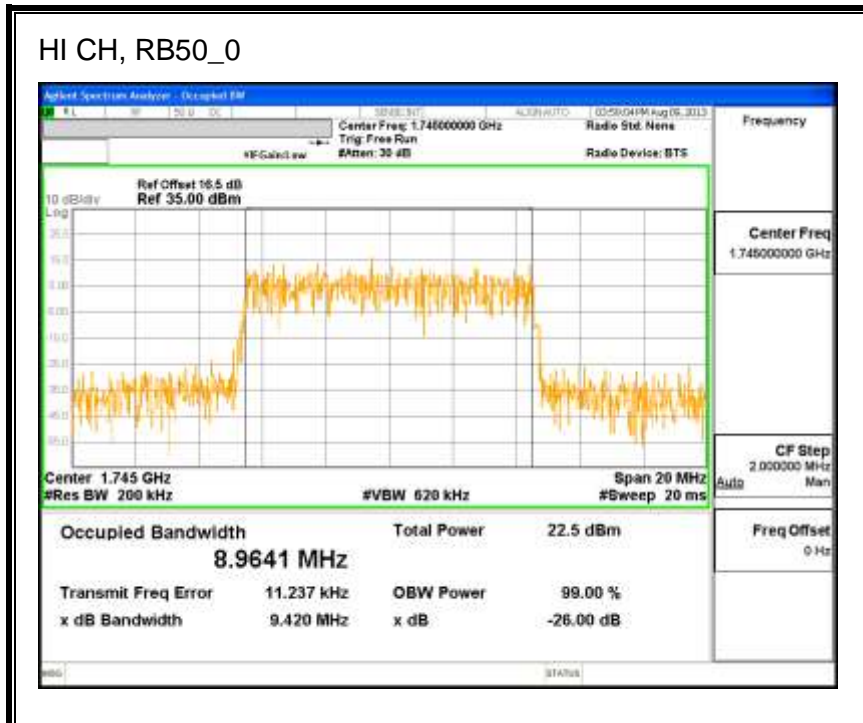
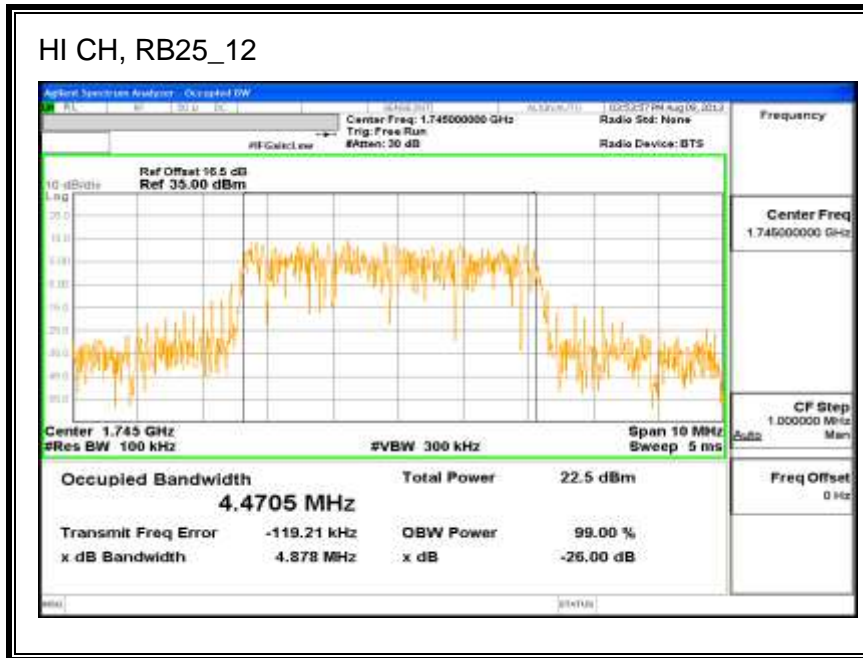


Band 4 (10 MHz BAND WIDTH)

LTE 16QAM

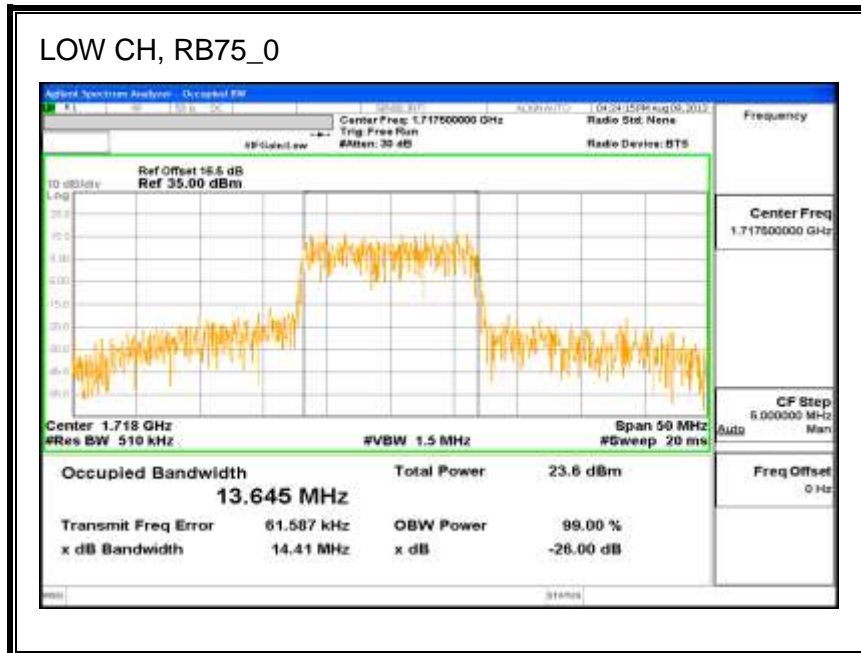
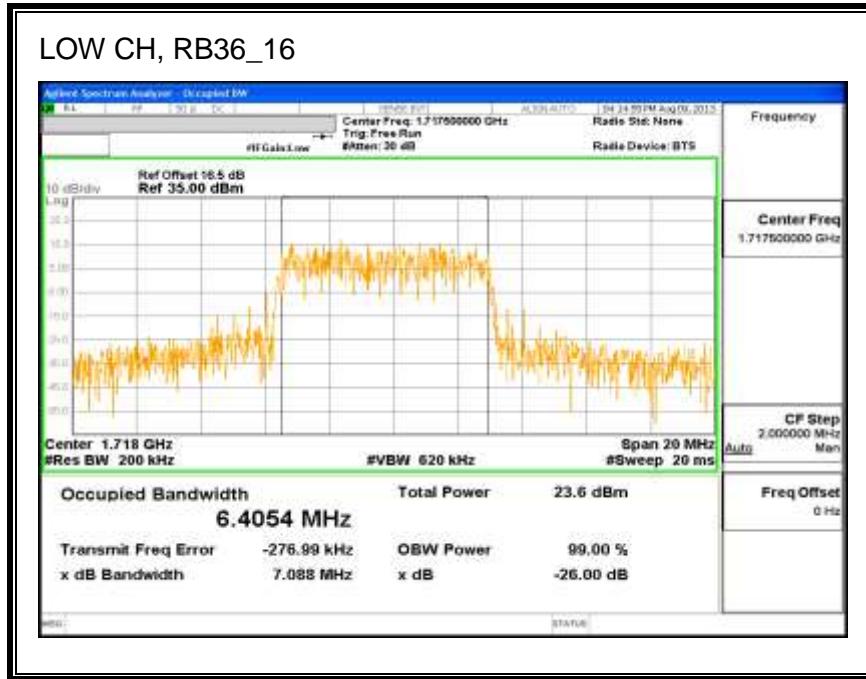


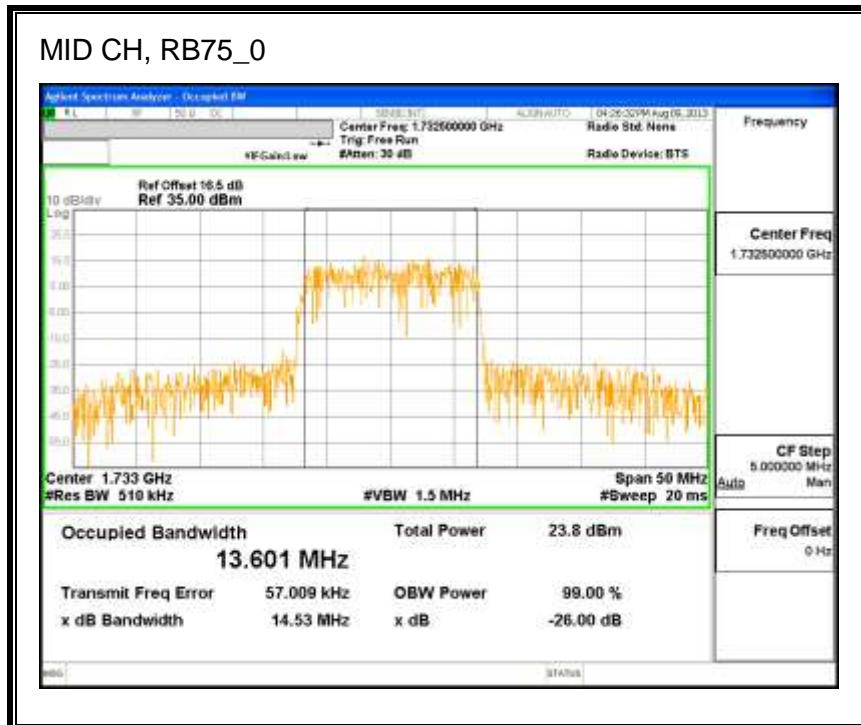
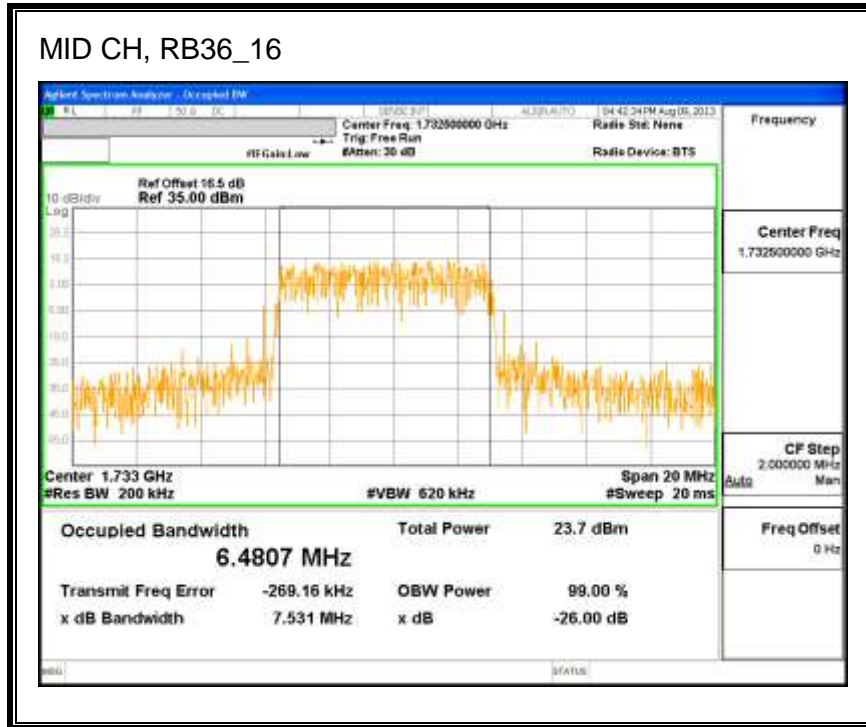


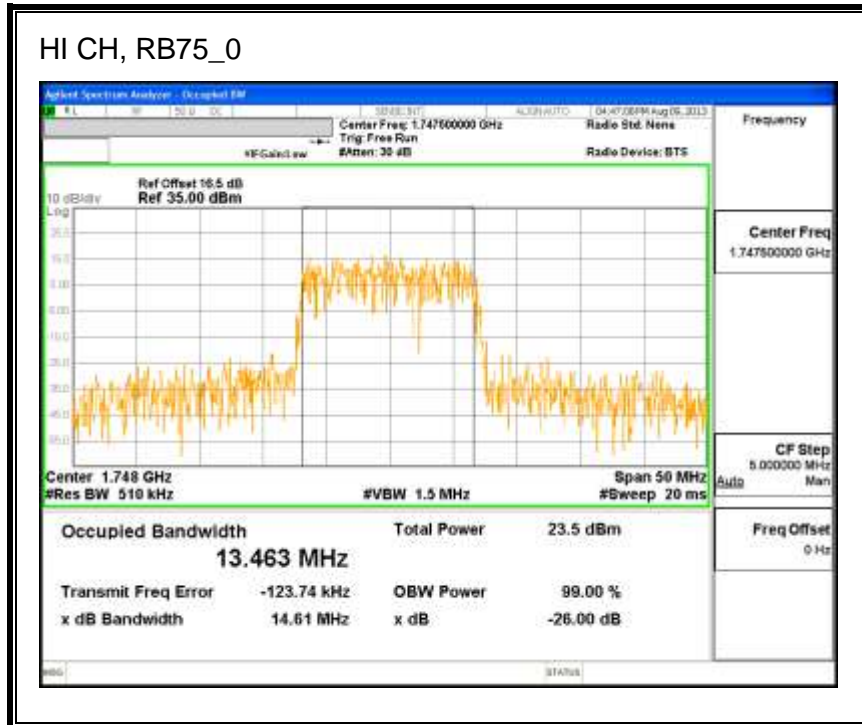
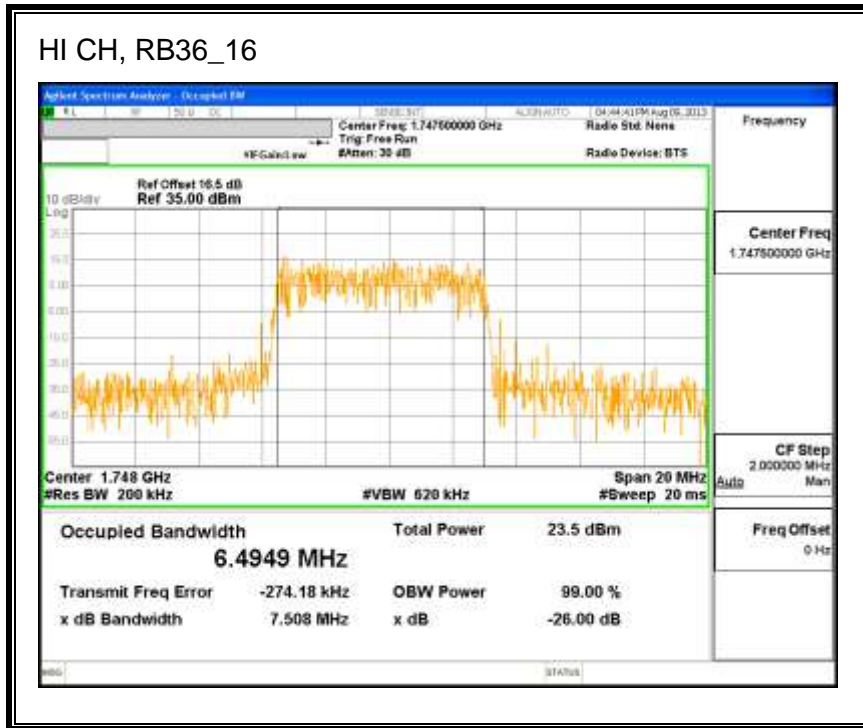


Band 4 (15.0 MHz BAND WIDTH)

LTE QPSK

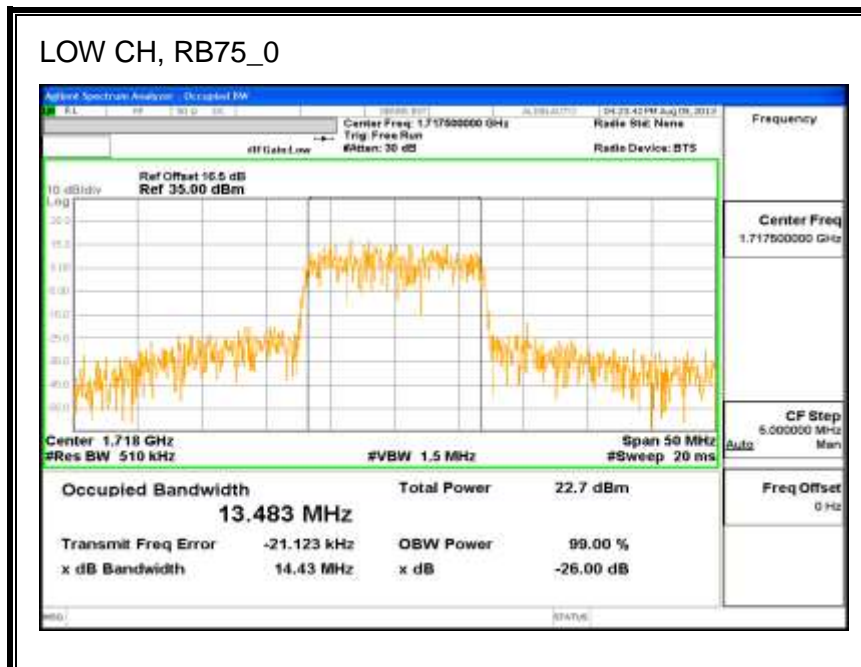
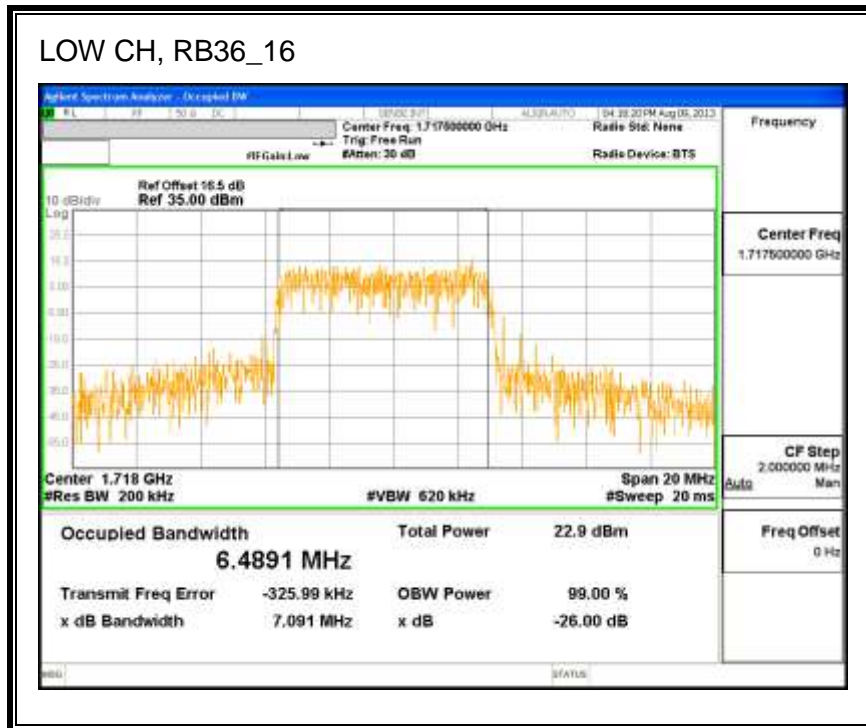


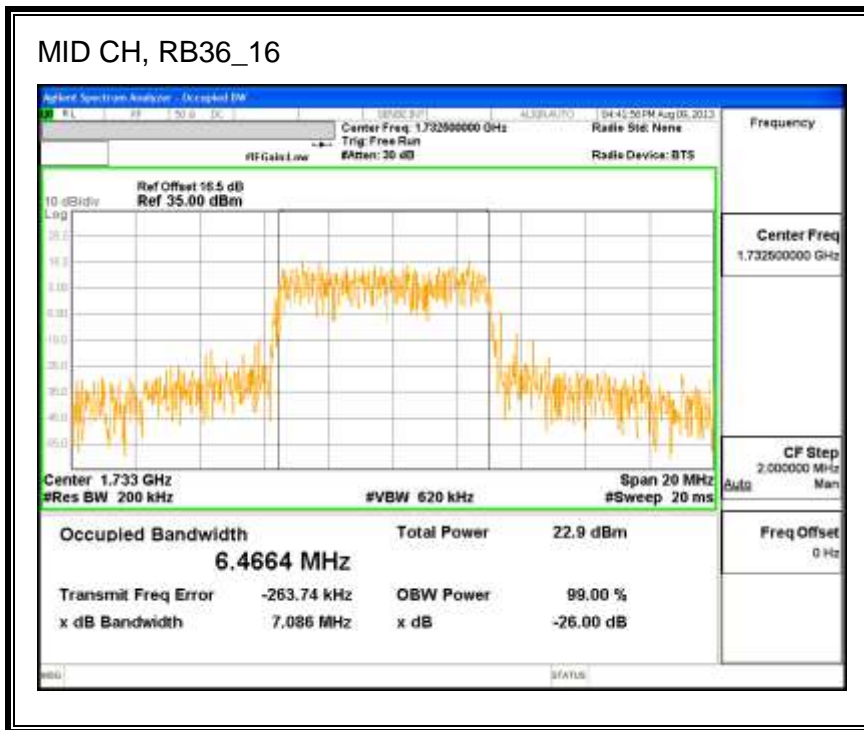


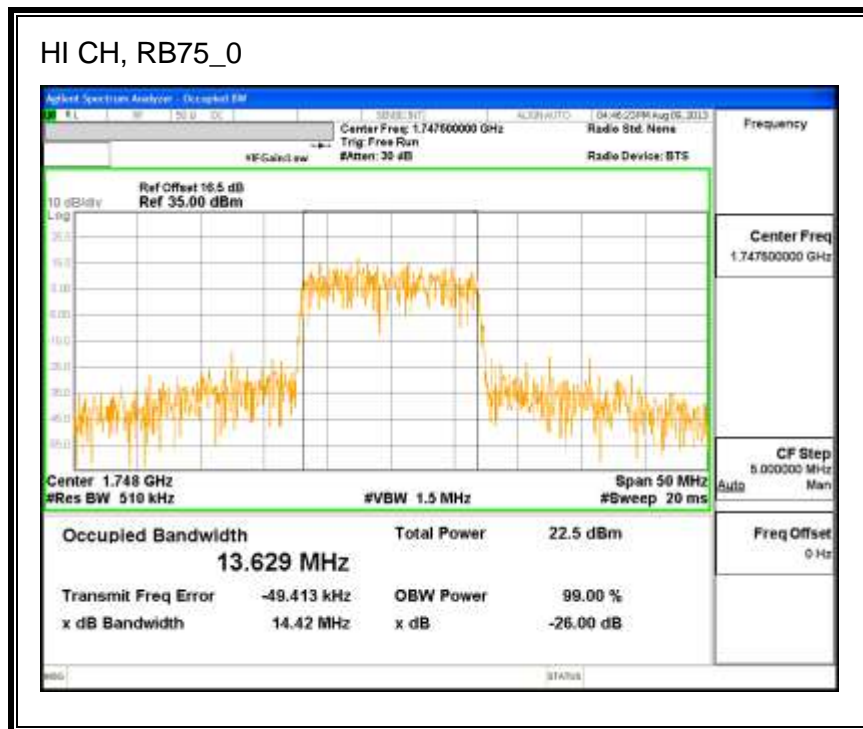
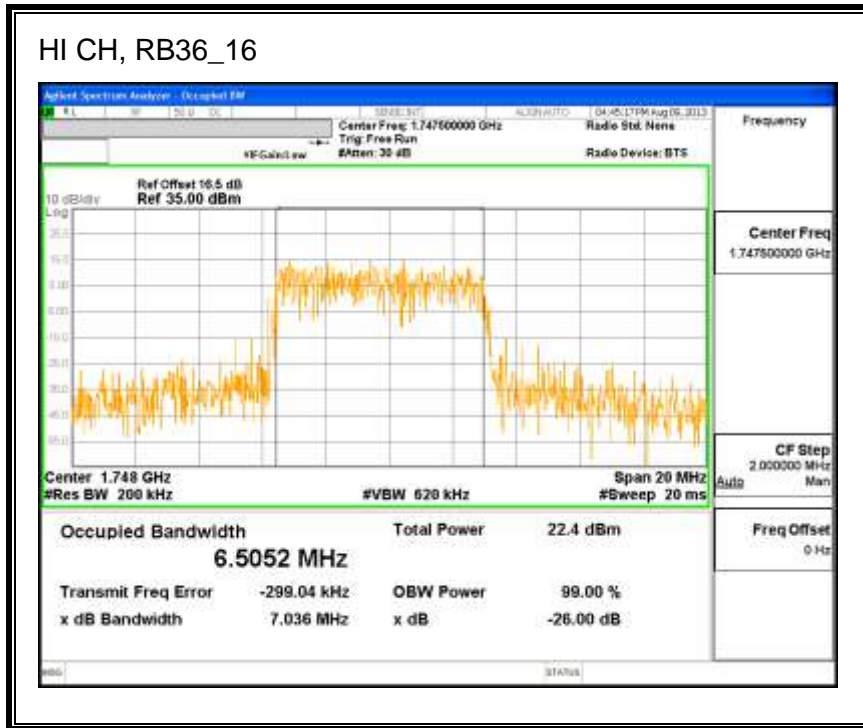


Band 4 (15 MHz BAND WIDTH)

LTE 16QAM

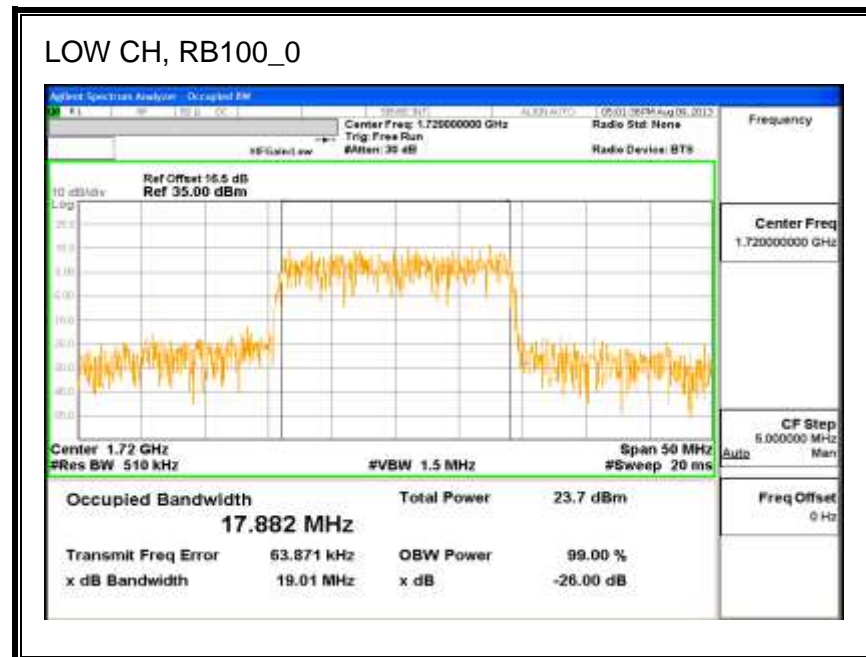
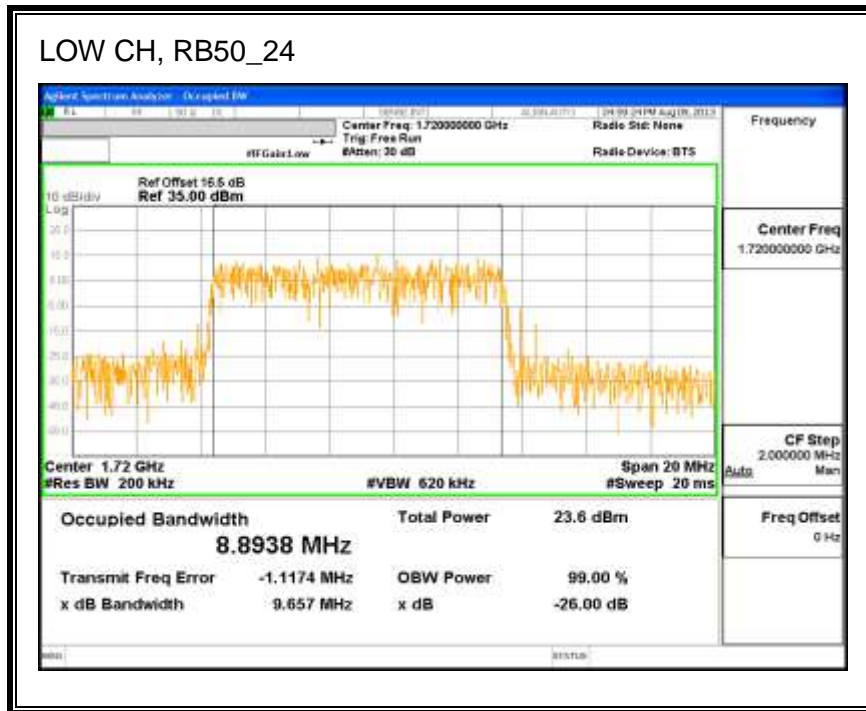


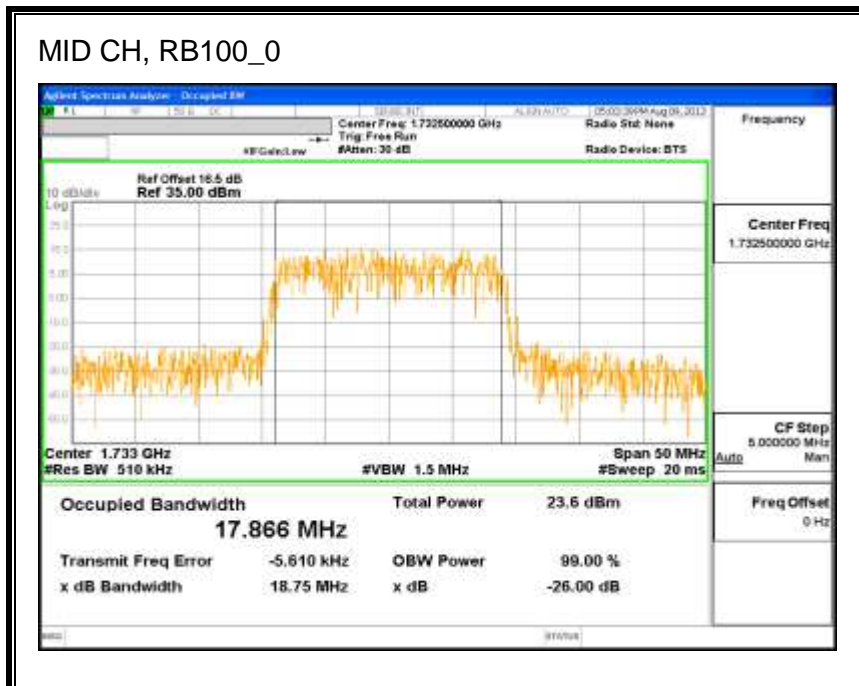
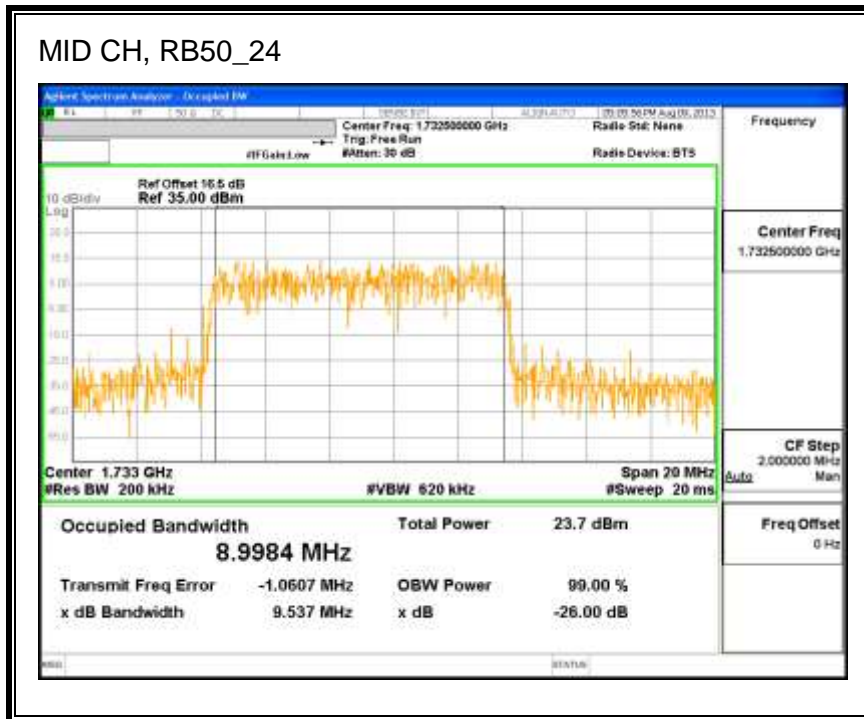


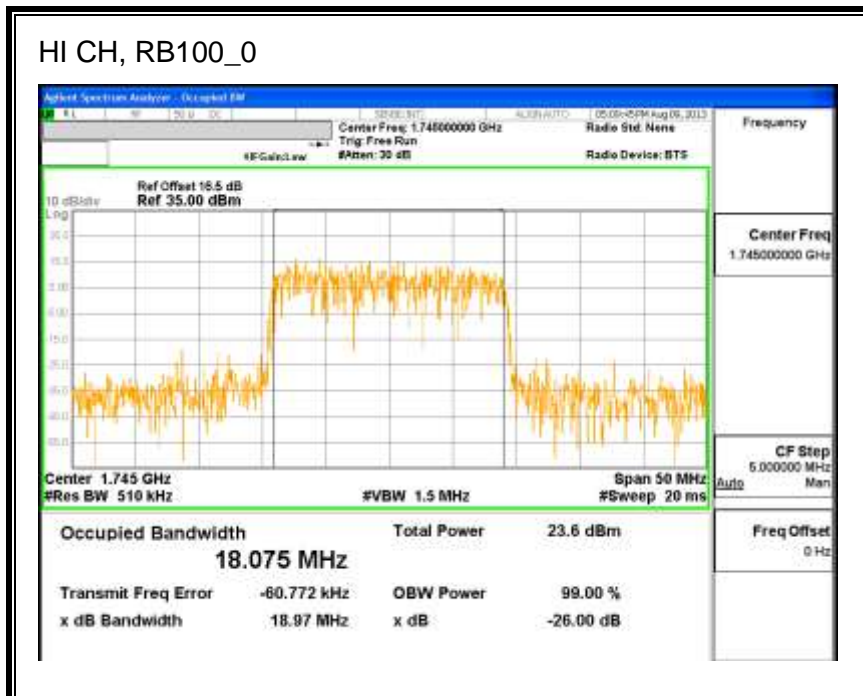
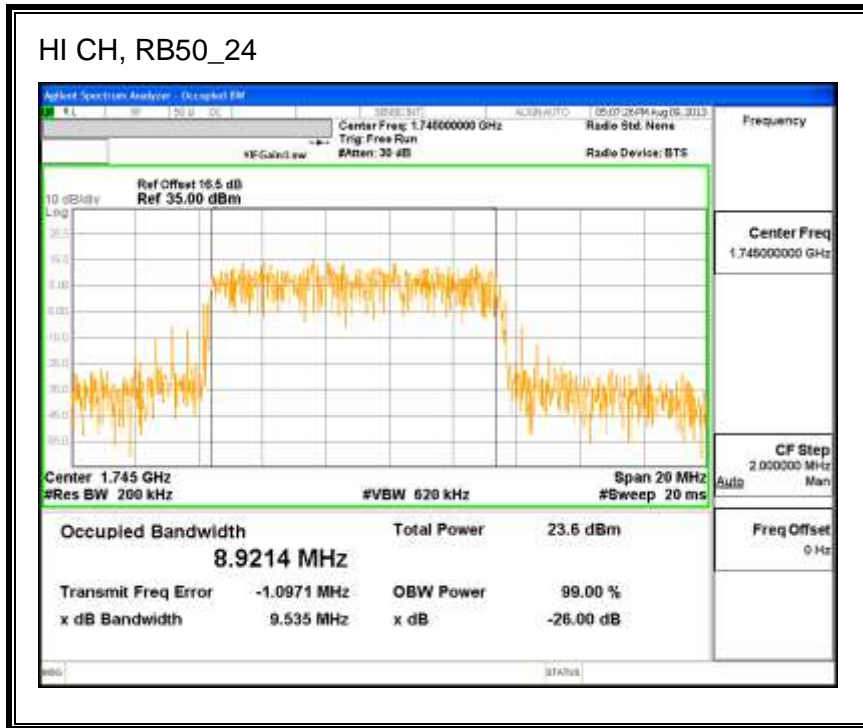


Band 4 (20.0 MHz BAND WIDTH)

LTE QPSK

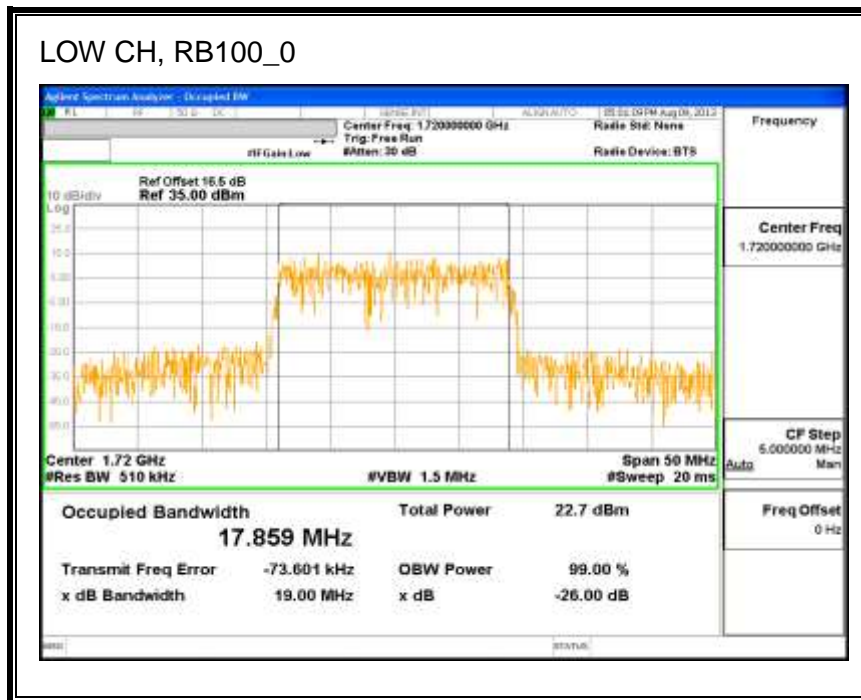
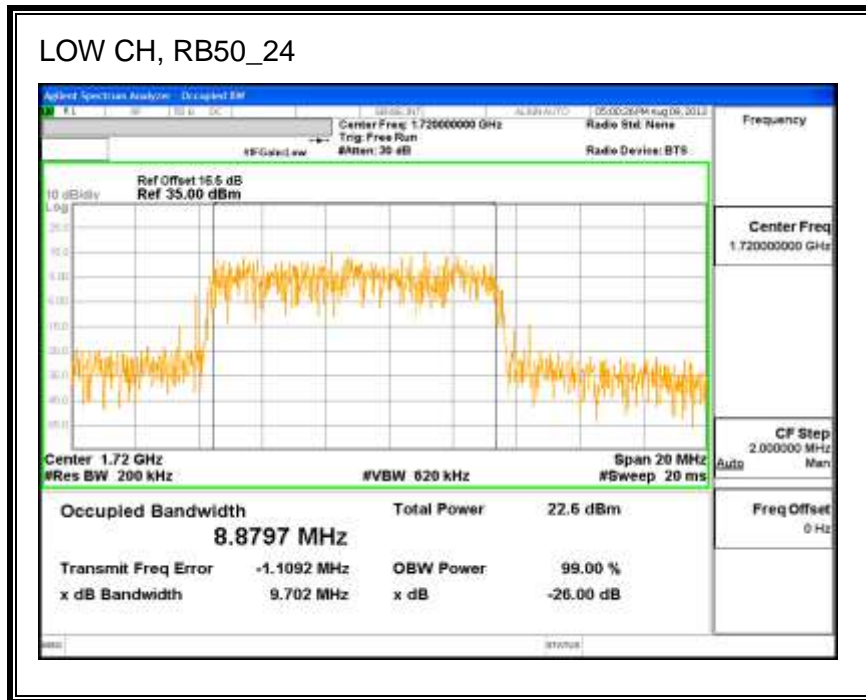


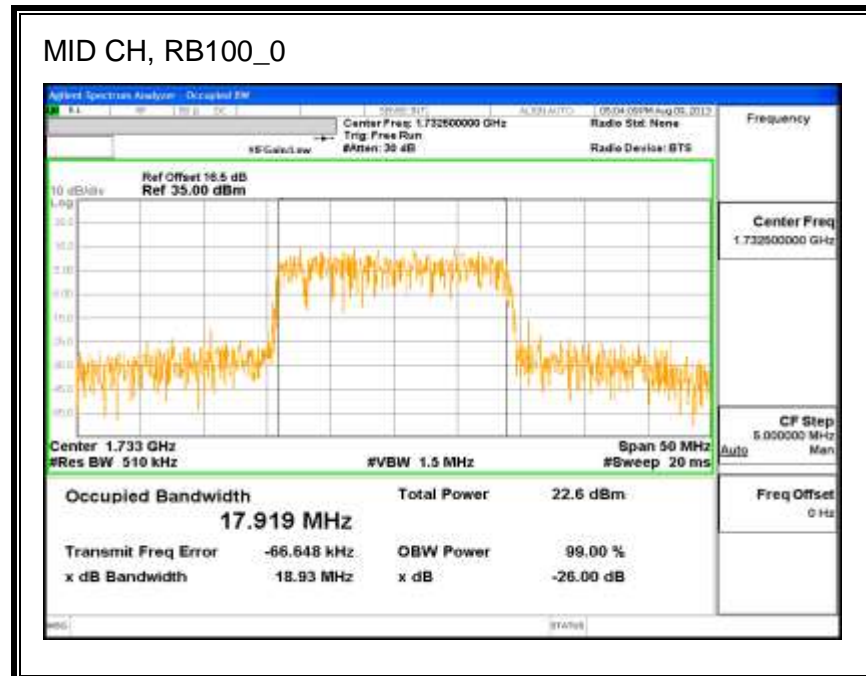
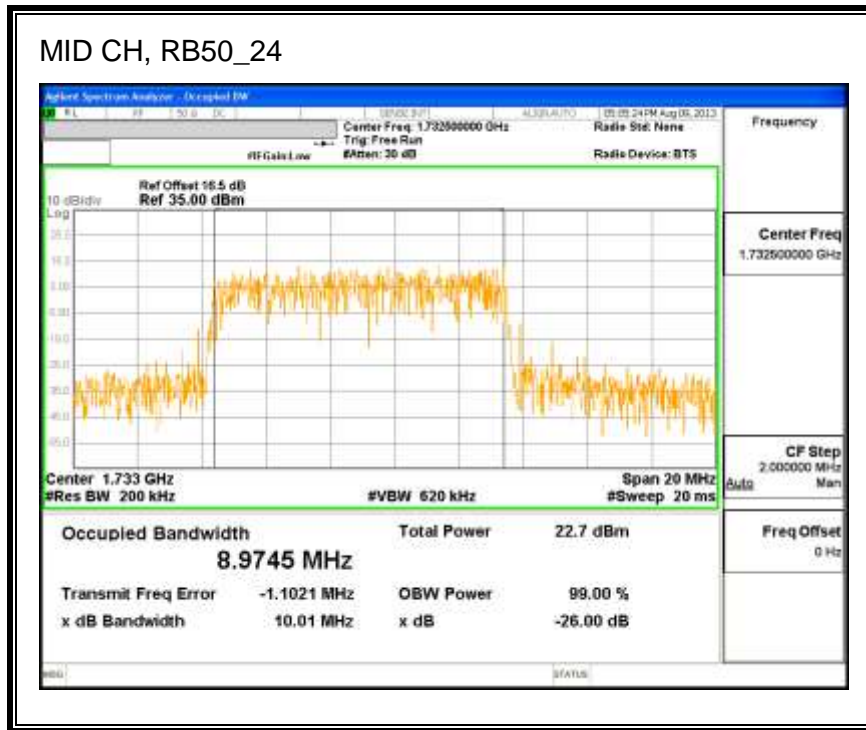


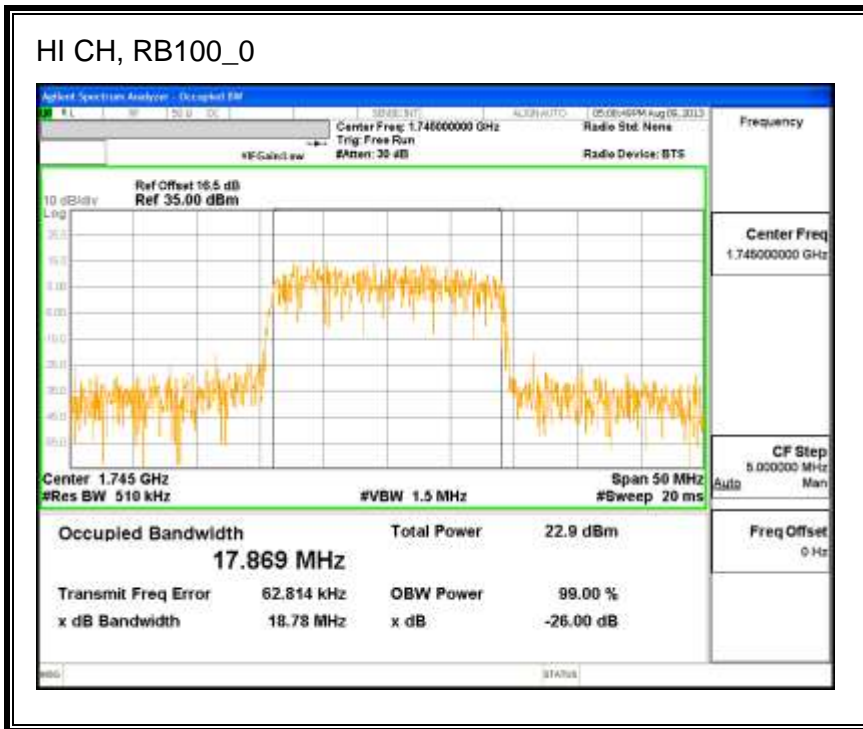
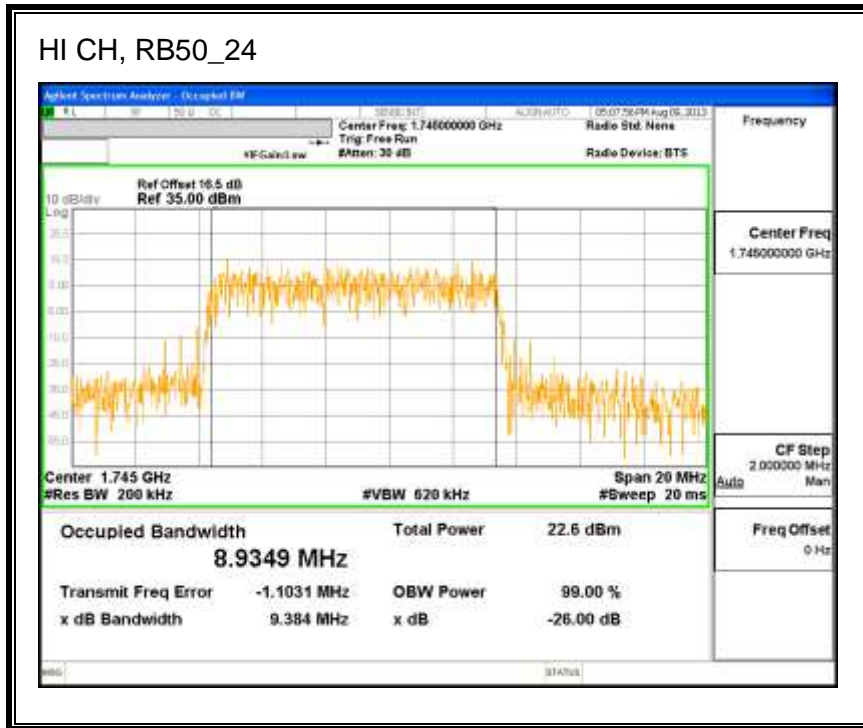


Band 4 (20 MHz BAND WIDTH)

LTE 16QAM

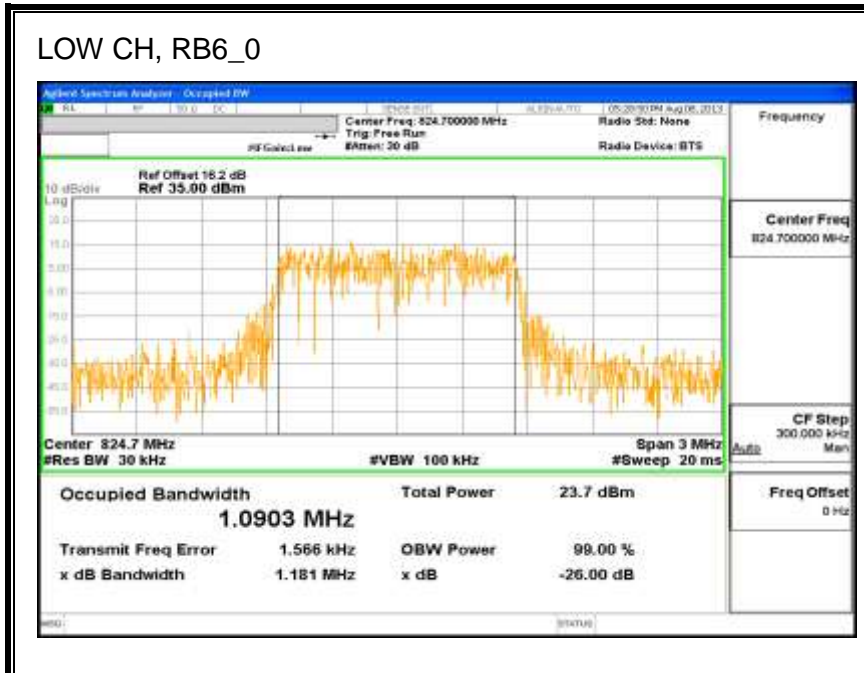
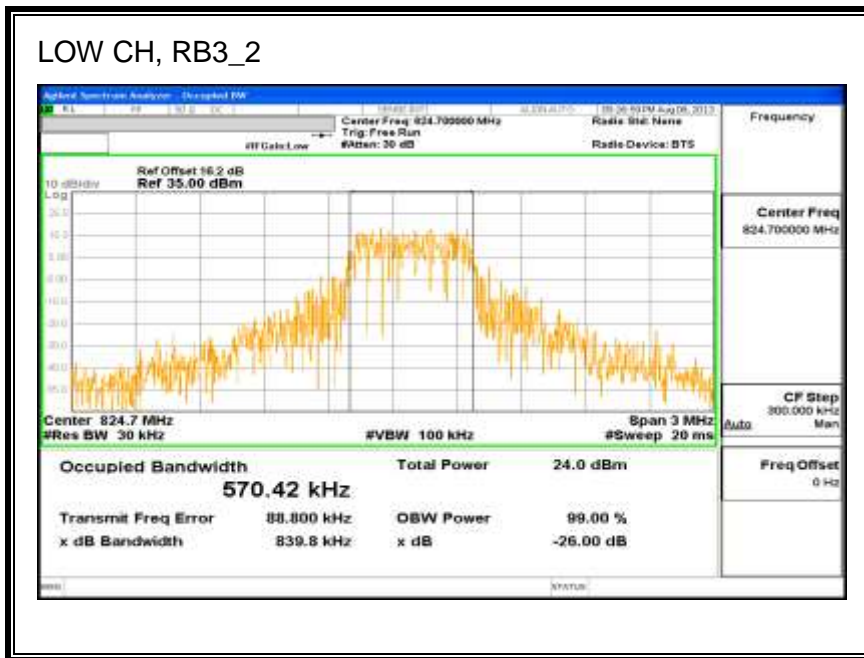


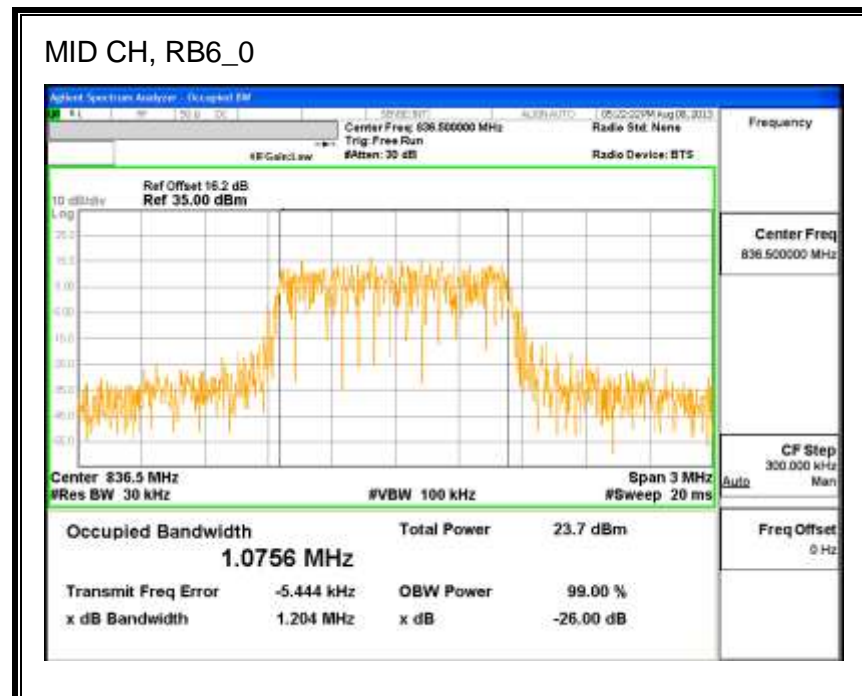
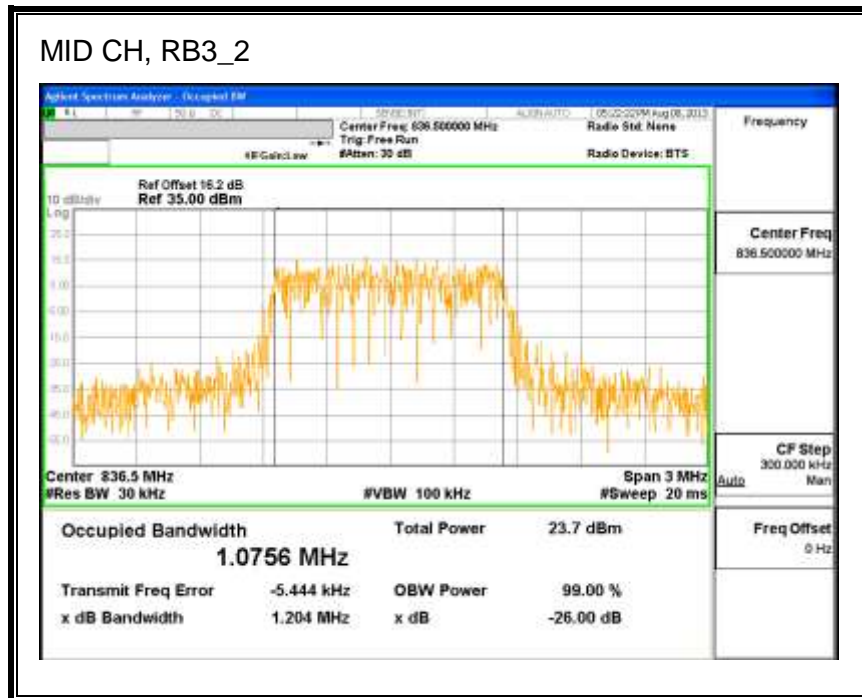


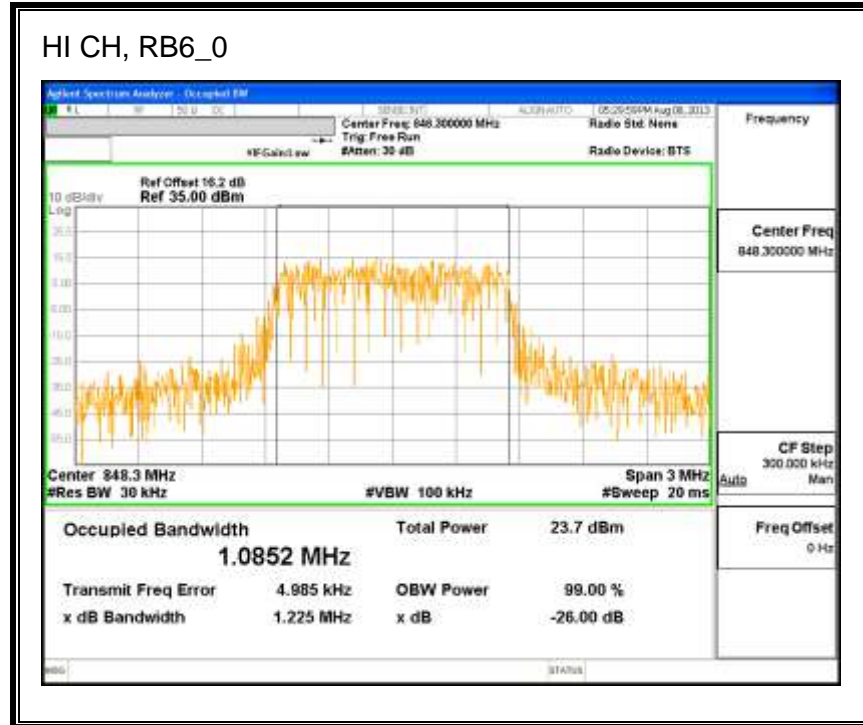
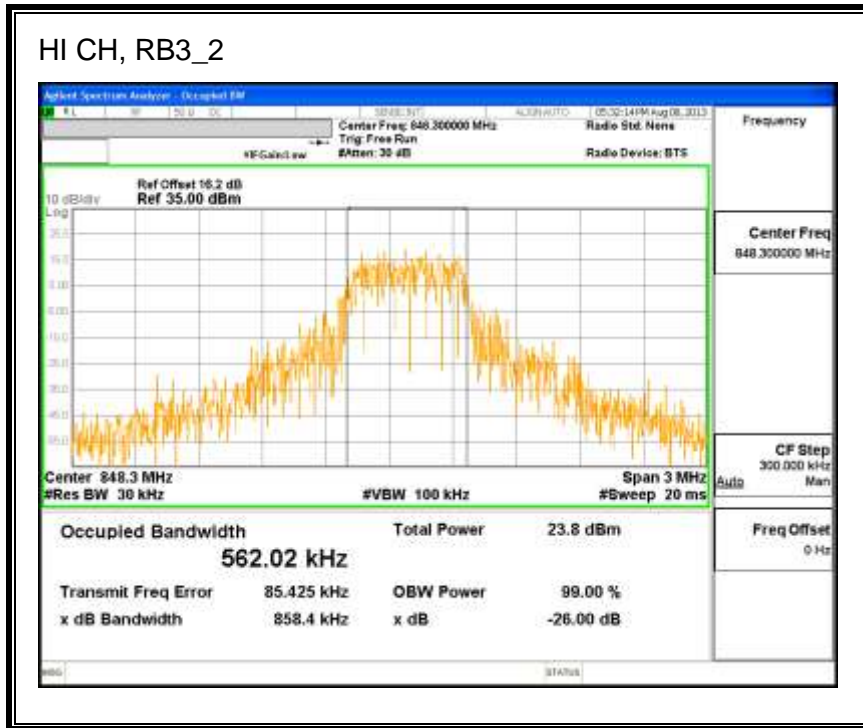


8.1.3. LTE BAND 5

1.4MHz (QPSK)

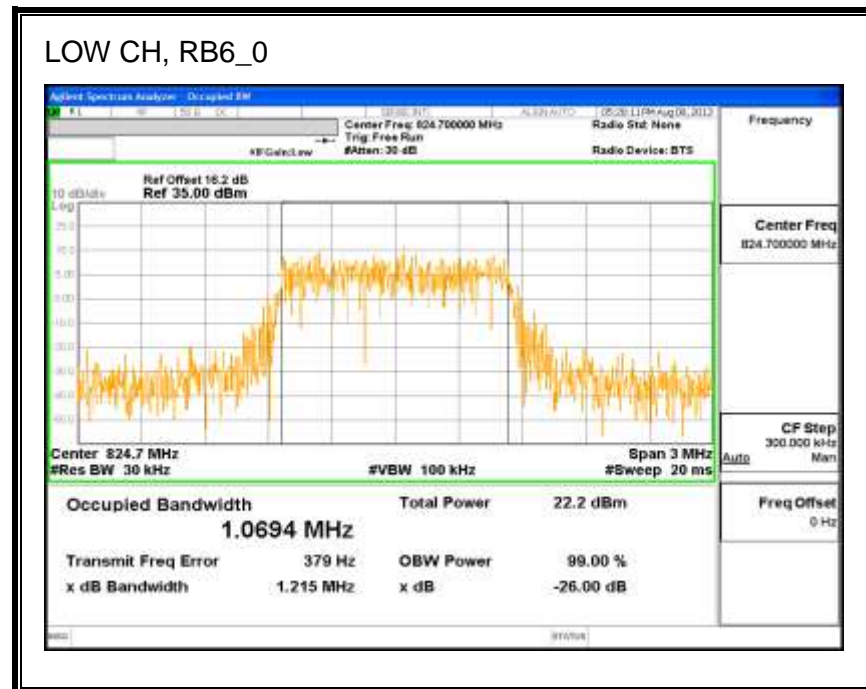
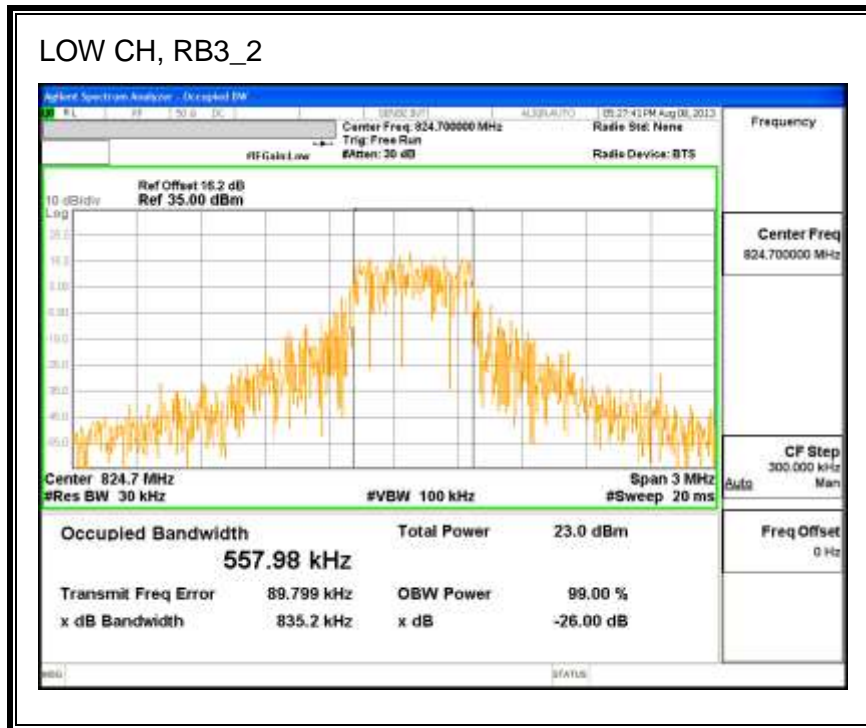


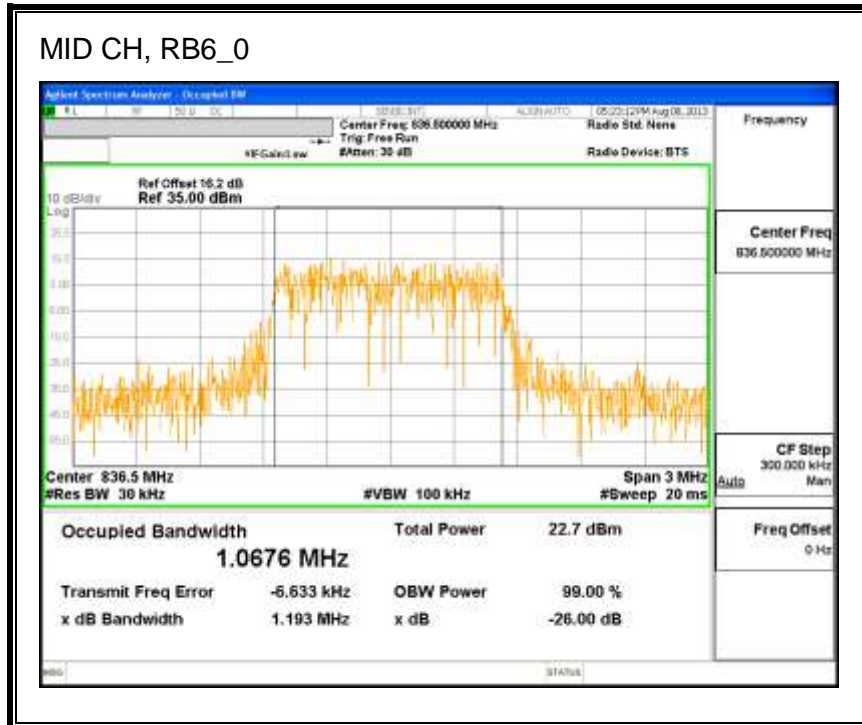
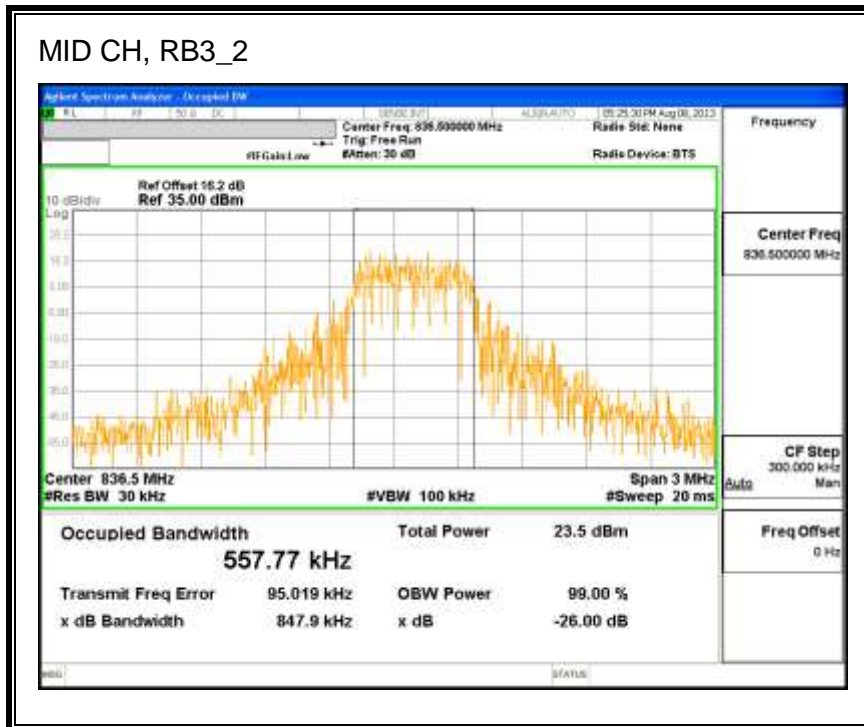


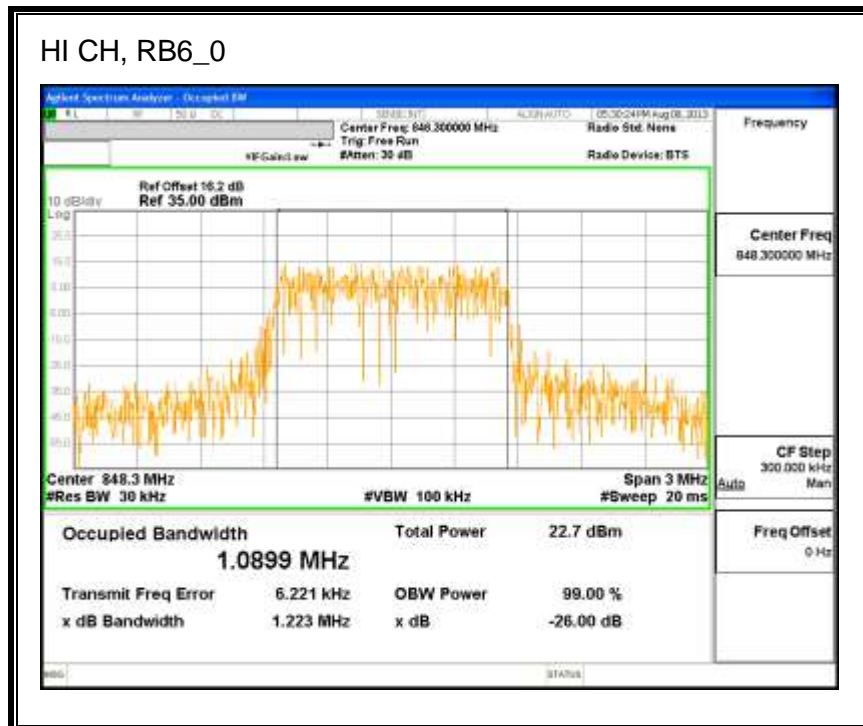
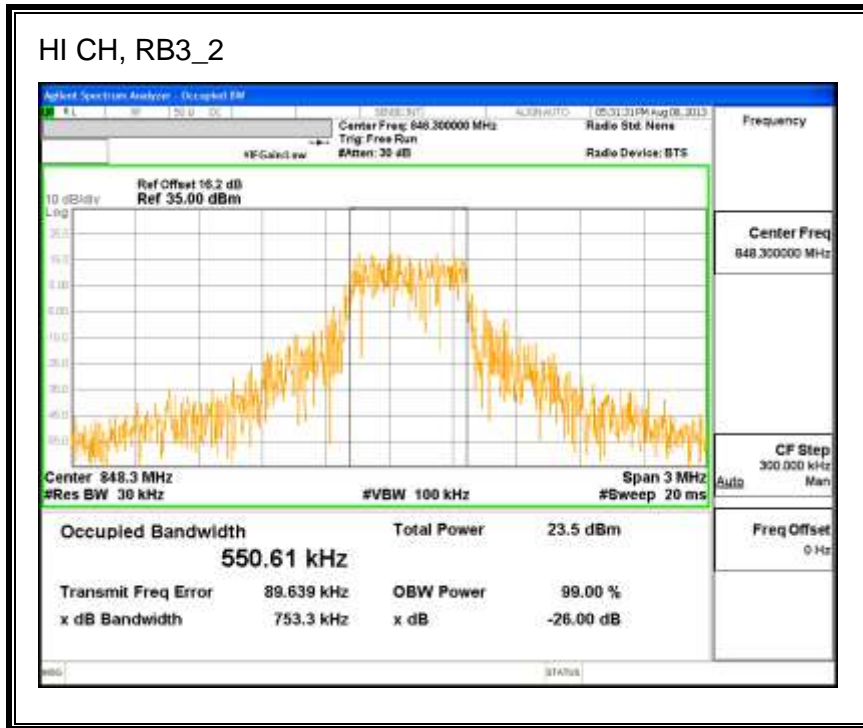


Band 5 (1.4 MHz BAND WIDTH)

LTE 16QAM

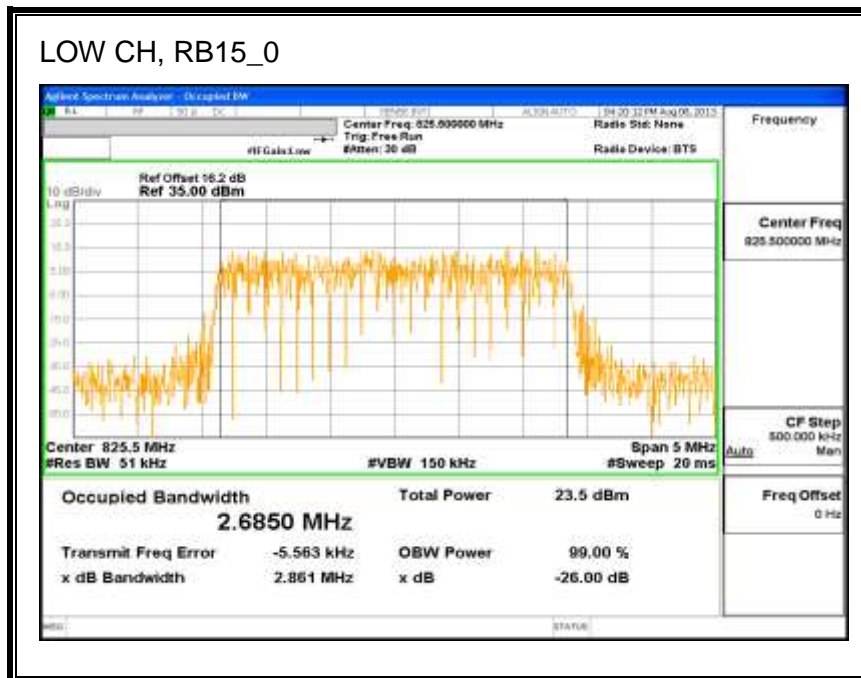
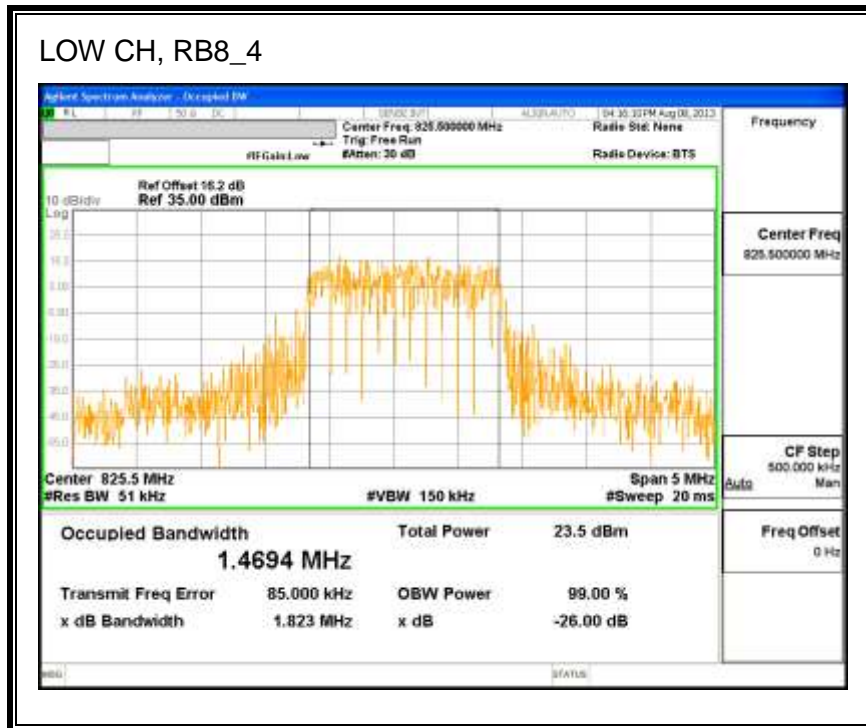


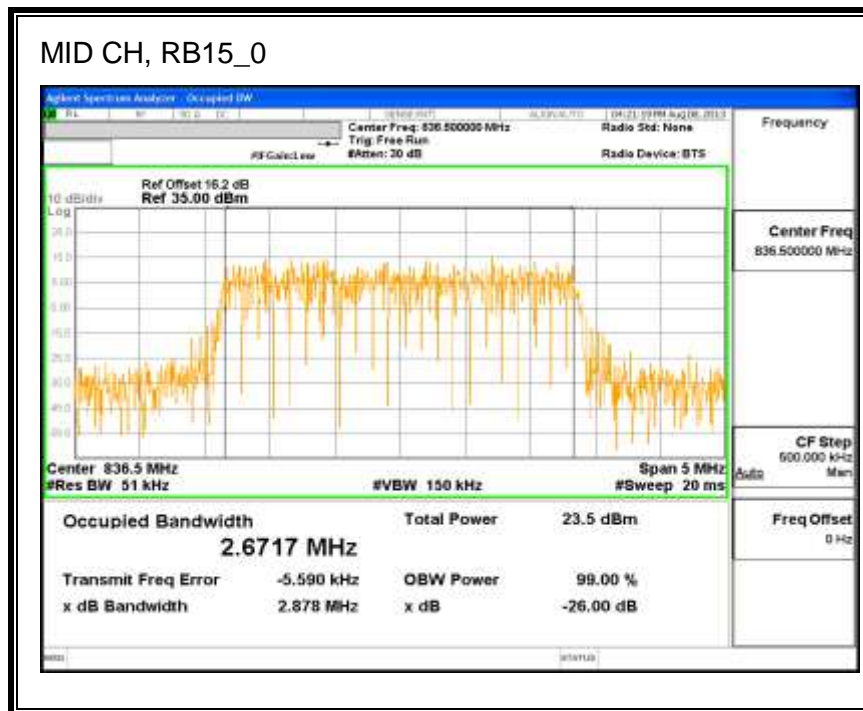
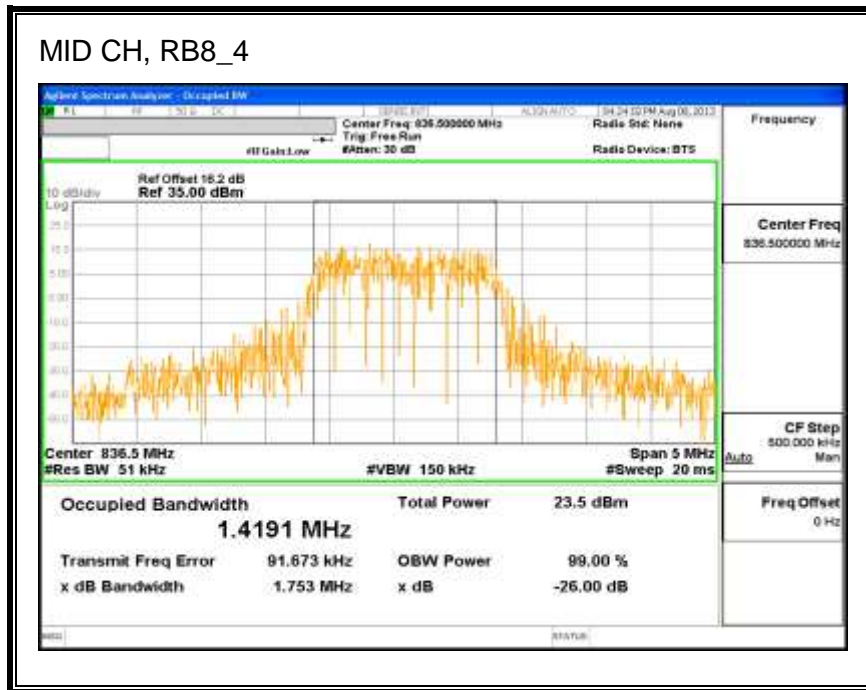


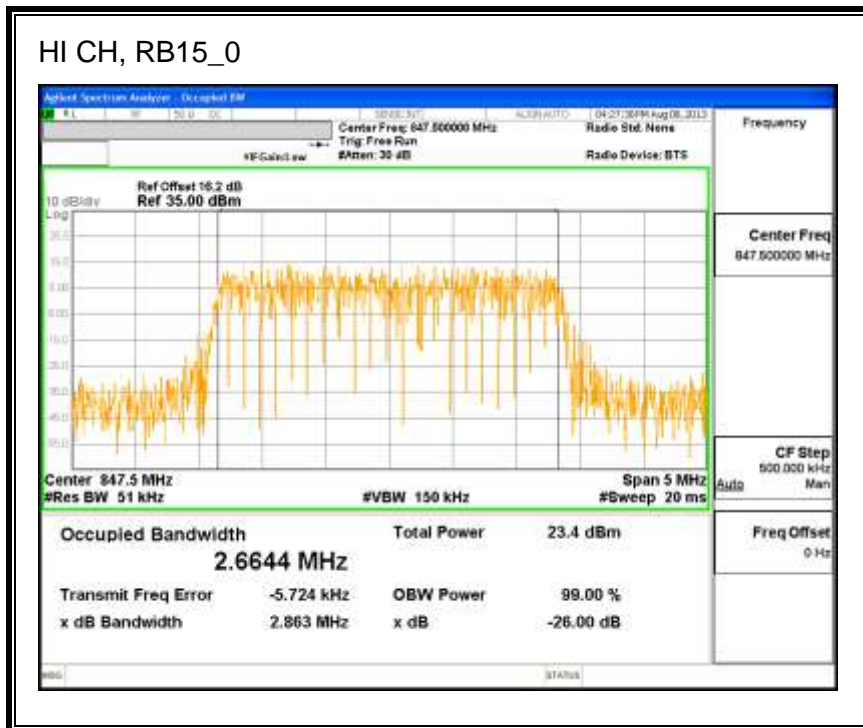
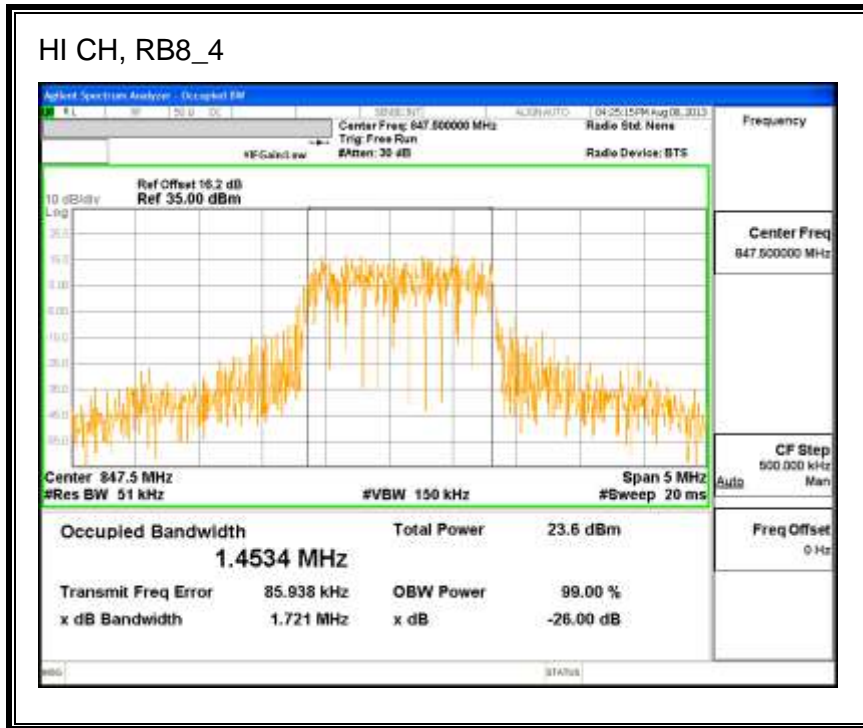


Band 5 (3.0 MHz BAND WIDTH)

LTE QPSK

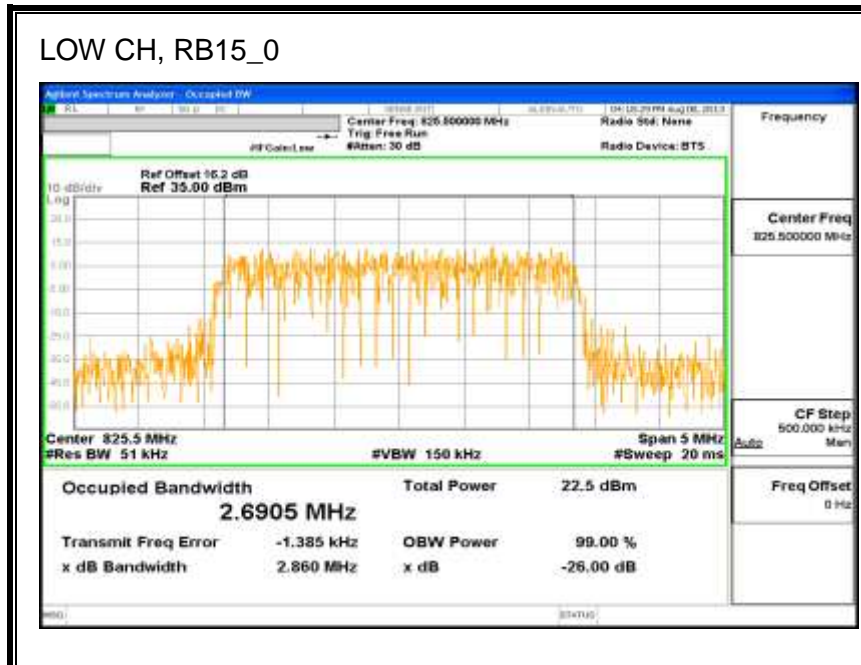
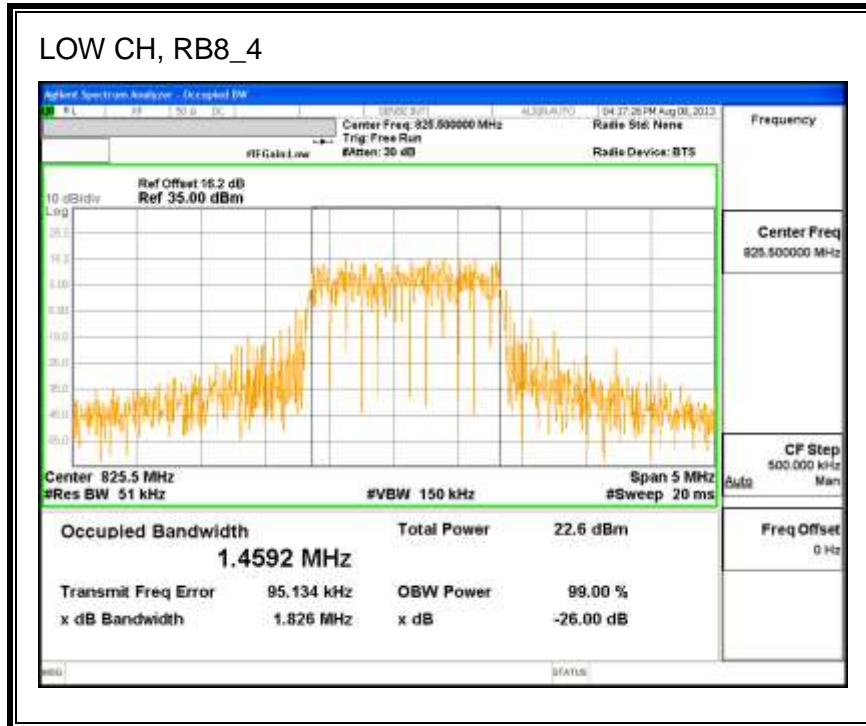


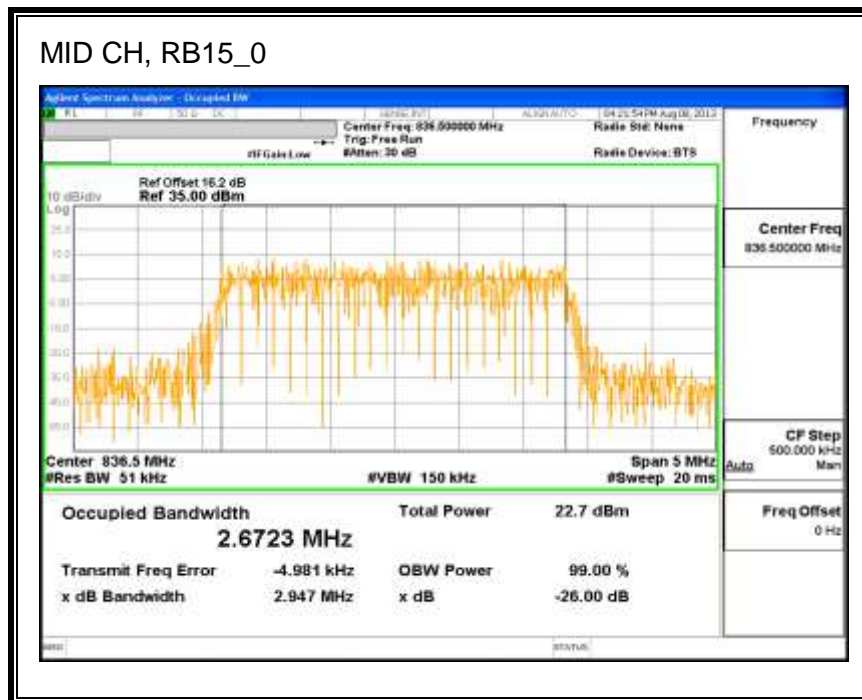
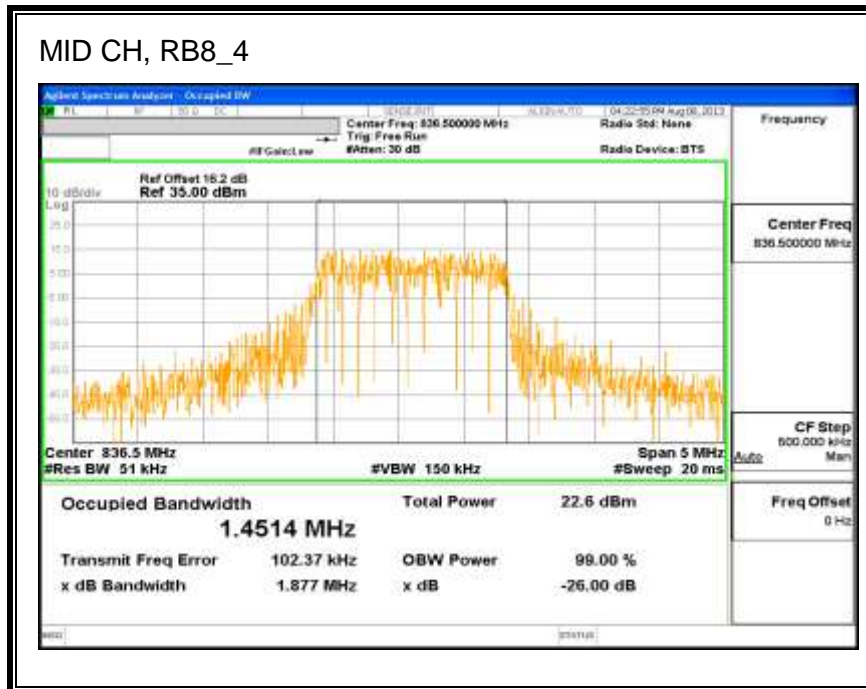


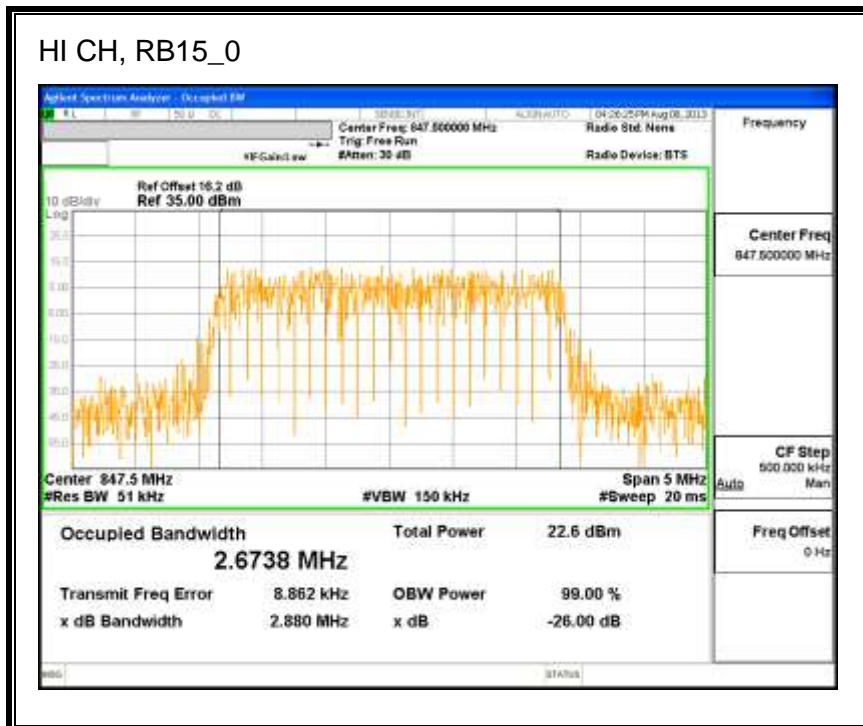
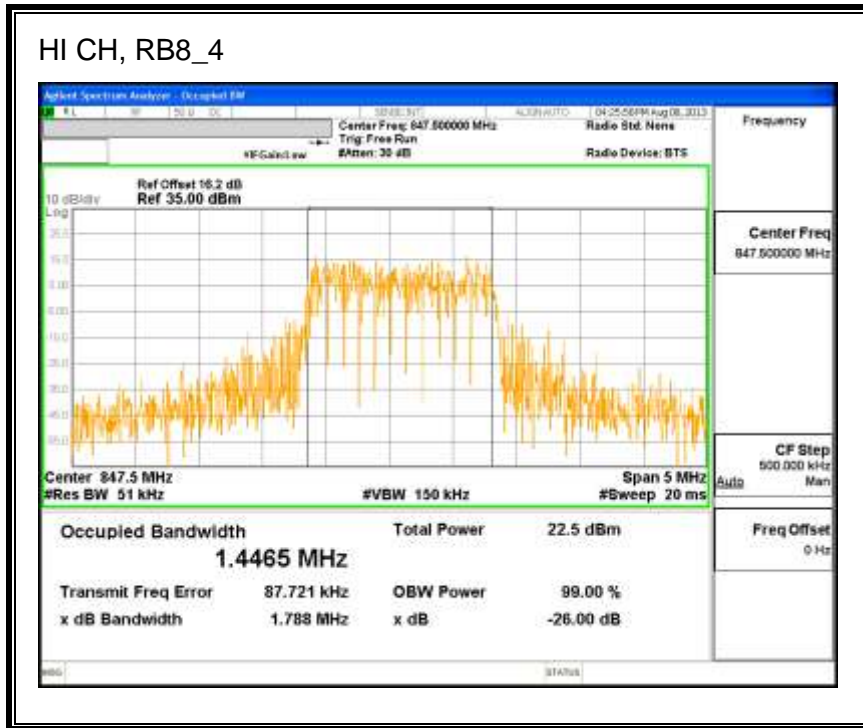


Band 5 (3.0 MHz BAND WIDTH)

LTE 16QAM

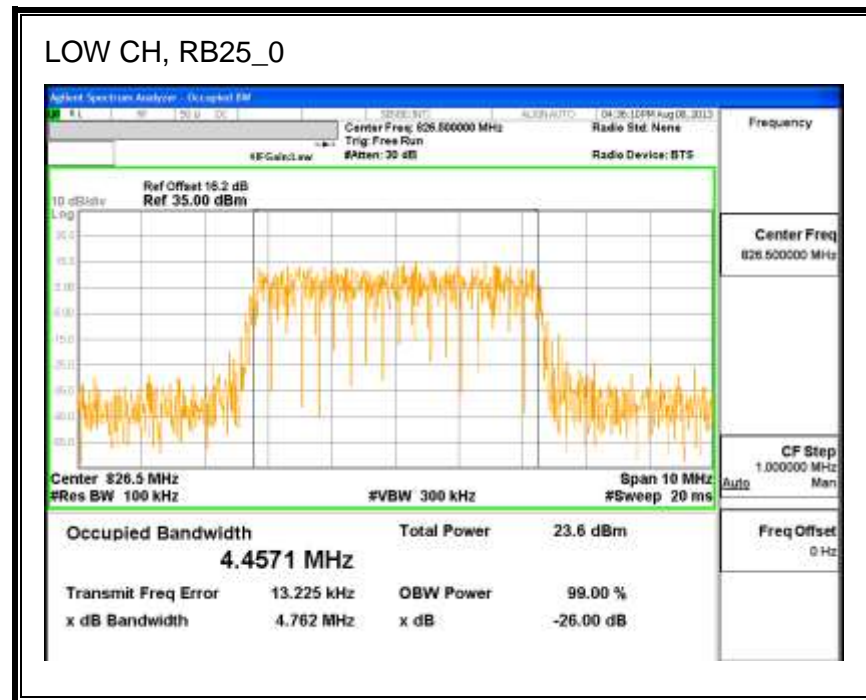
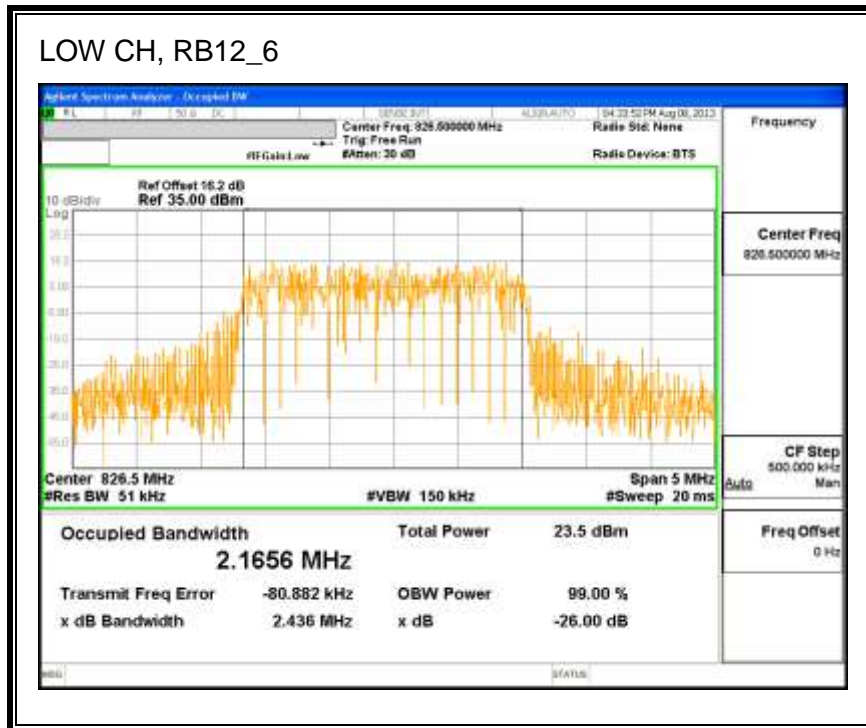


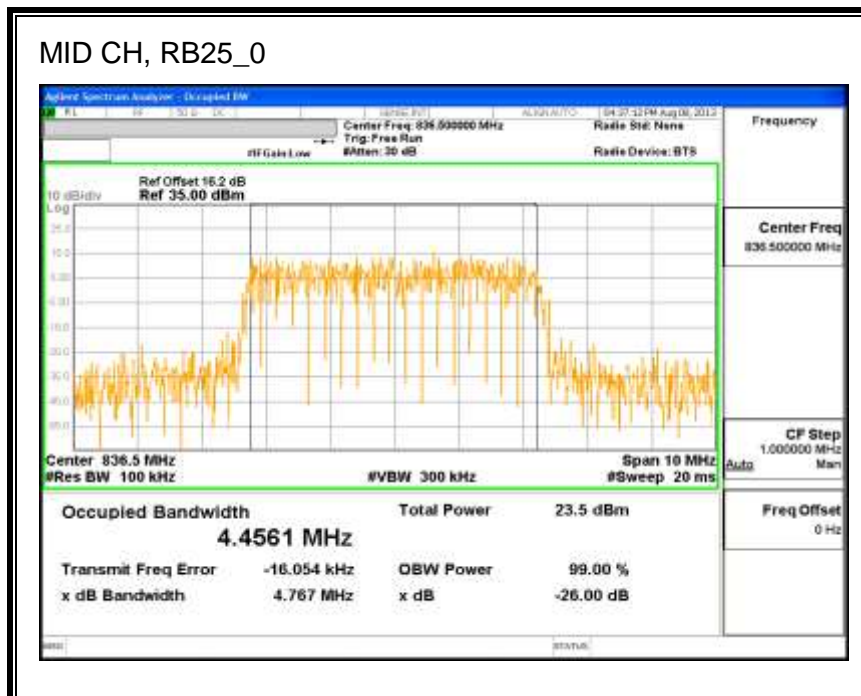
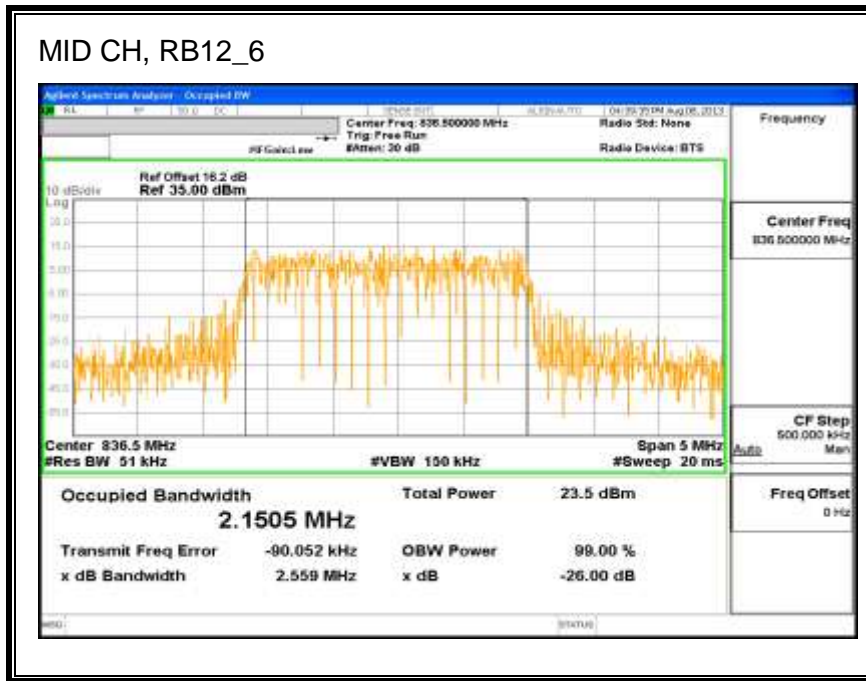


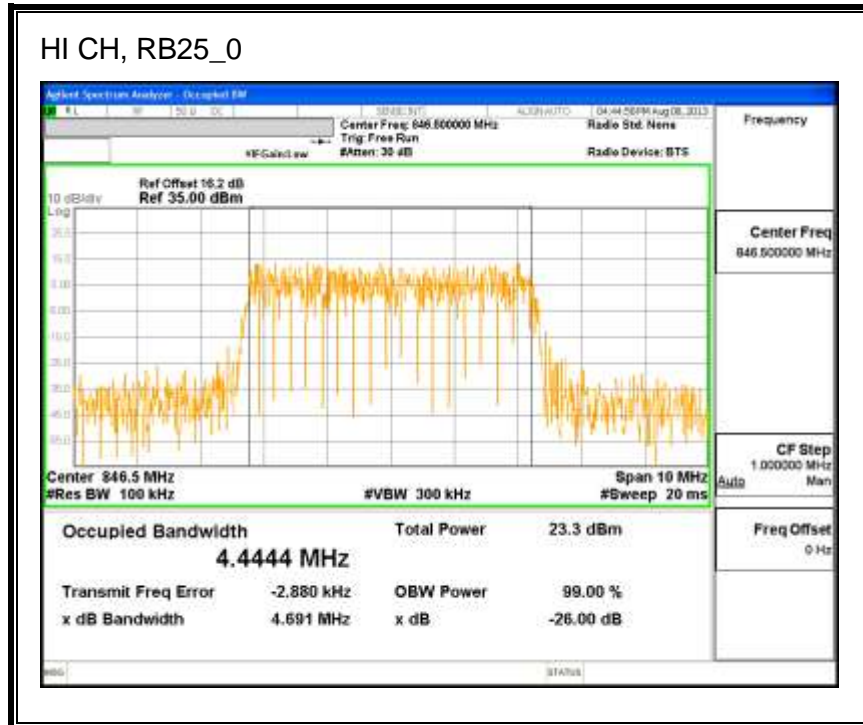
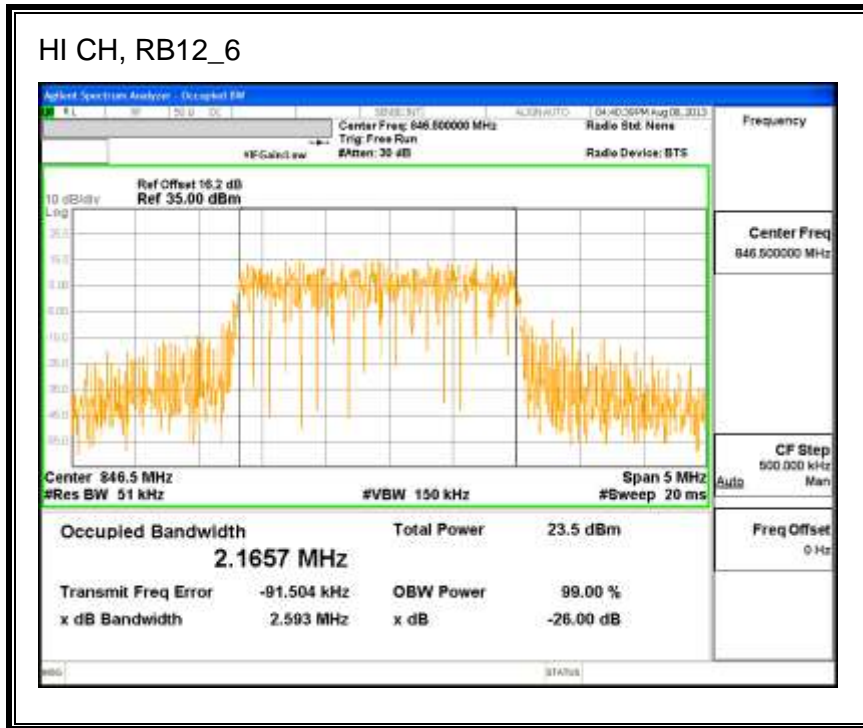


Band 5 (5.0 MHz BAND WIDTH)

LTE QPSK

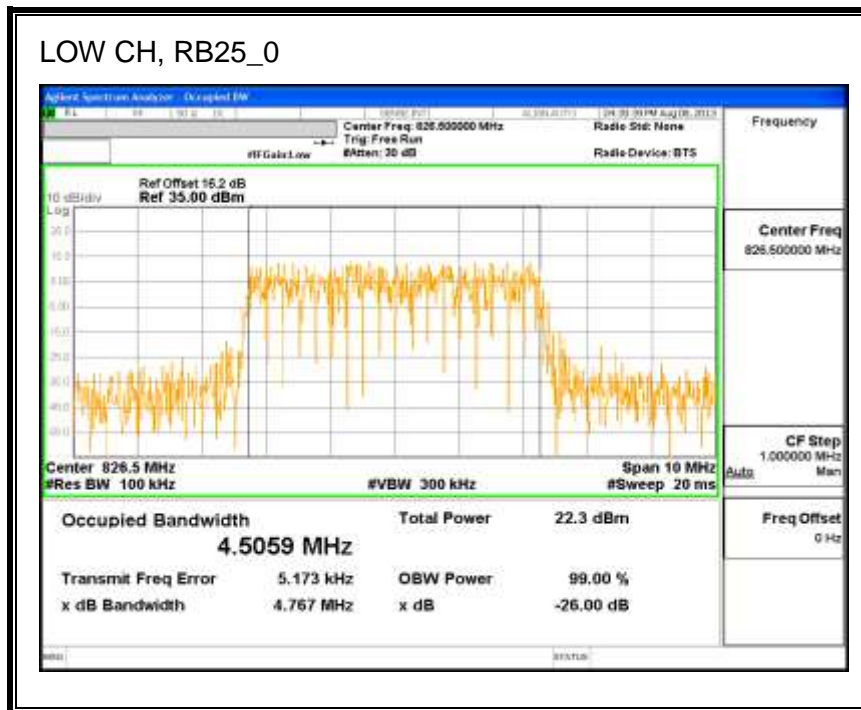
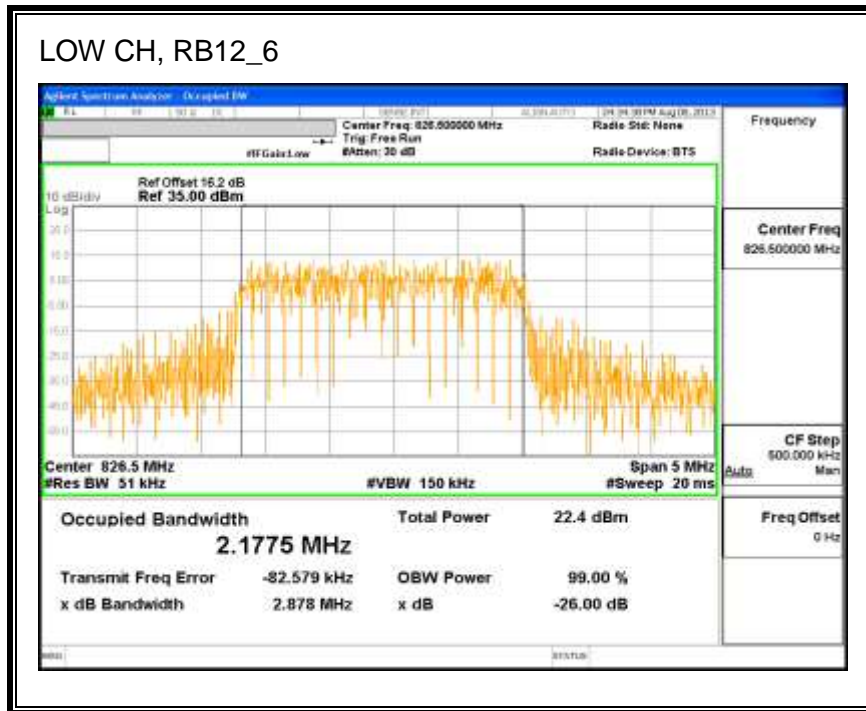


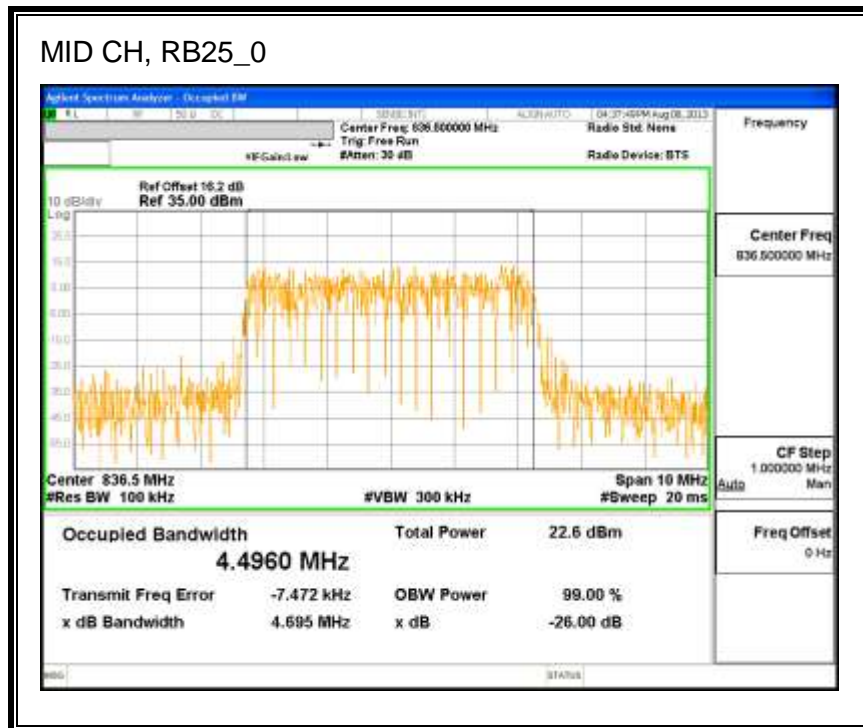
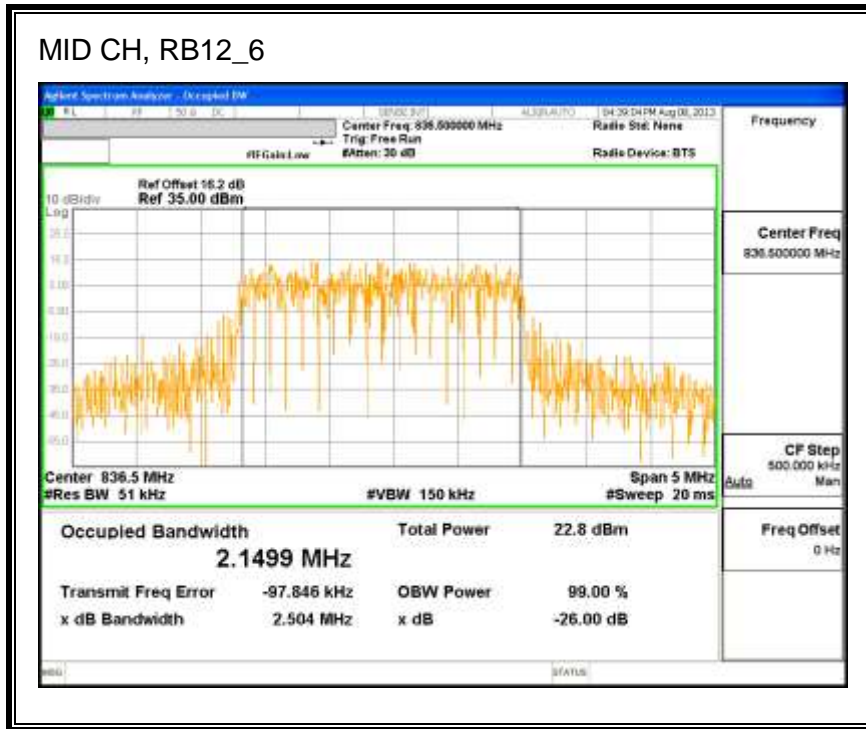


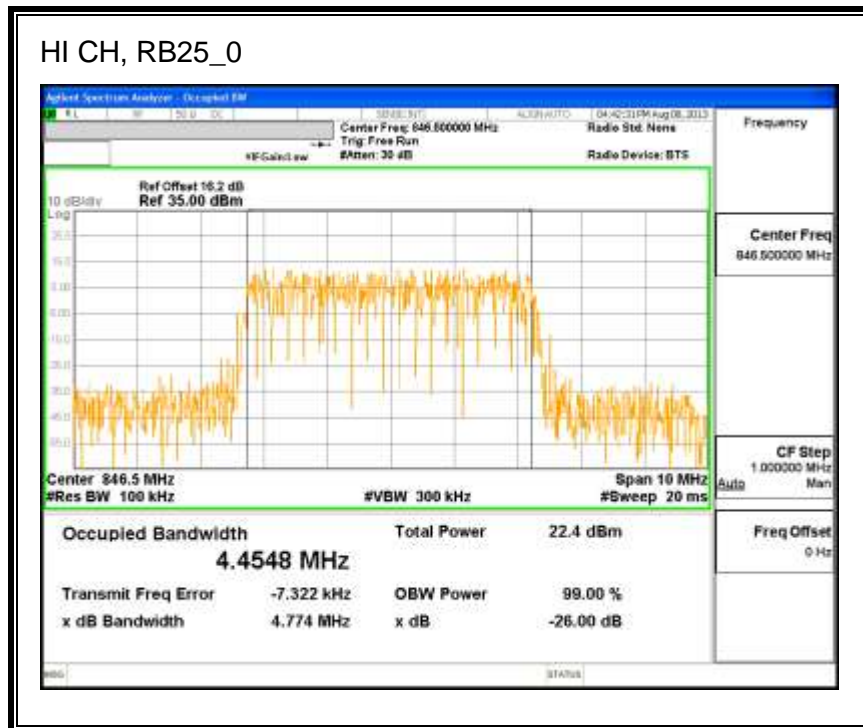
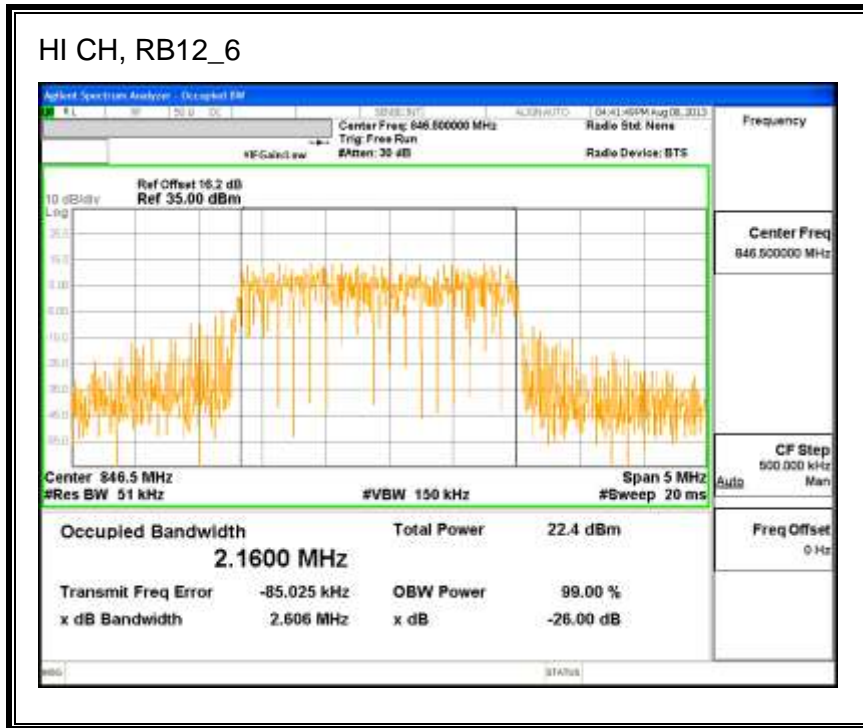


Band 5 (5 MHz BAND WIDTH)

LTE 16QAM

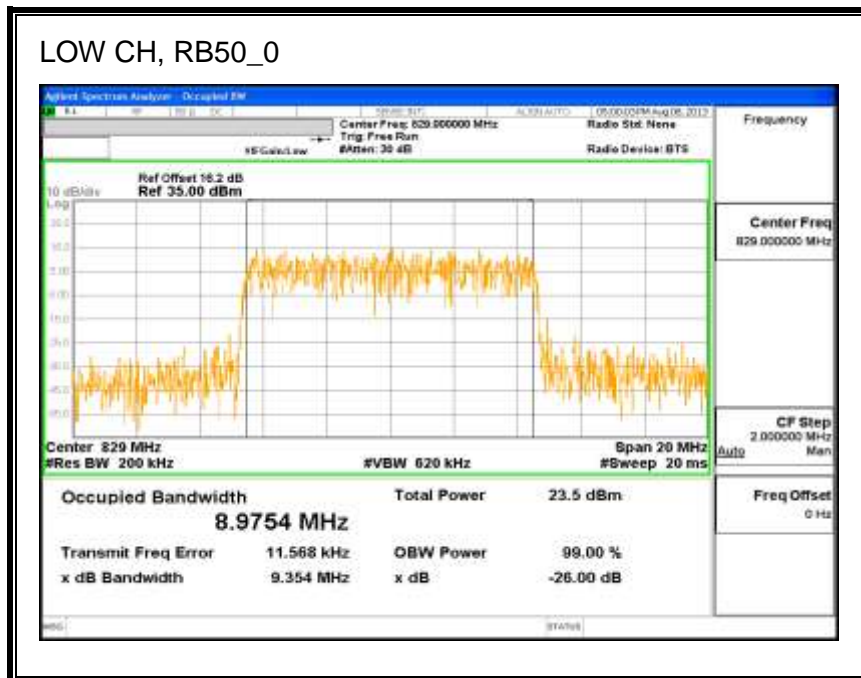
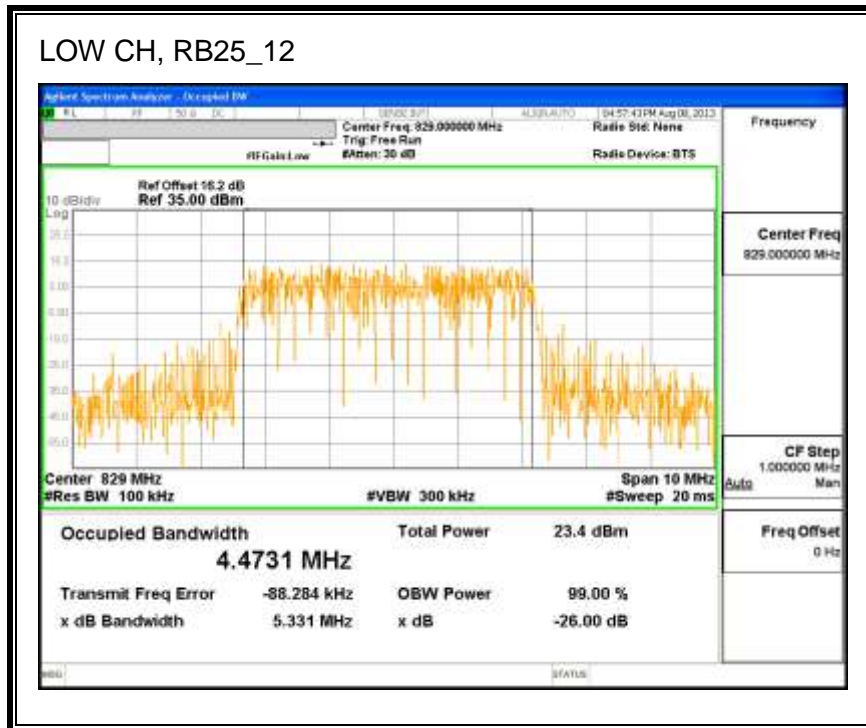






Band 5 (10.0 MHz BAND WIDTH)

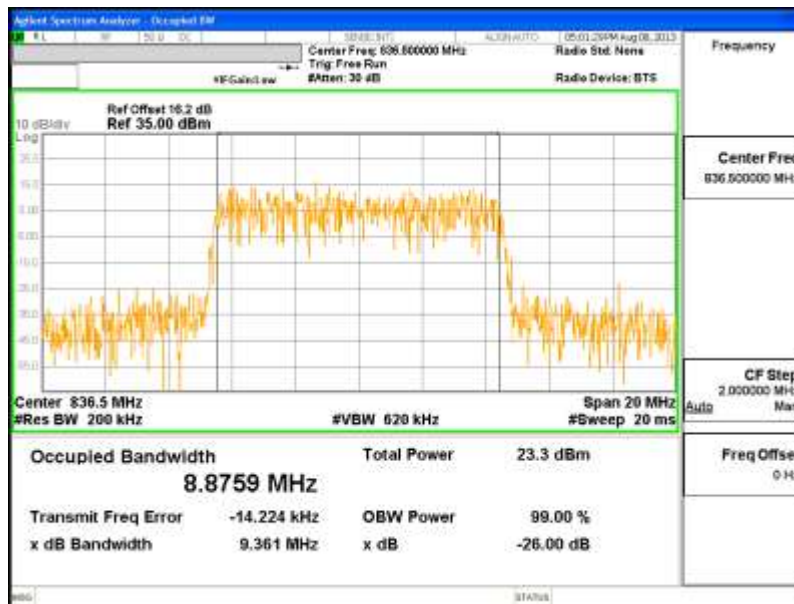
LTE QPSK

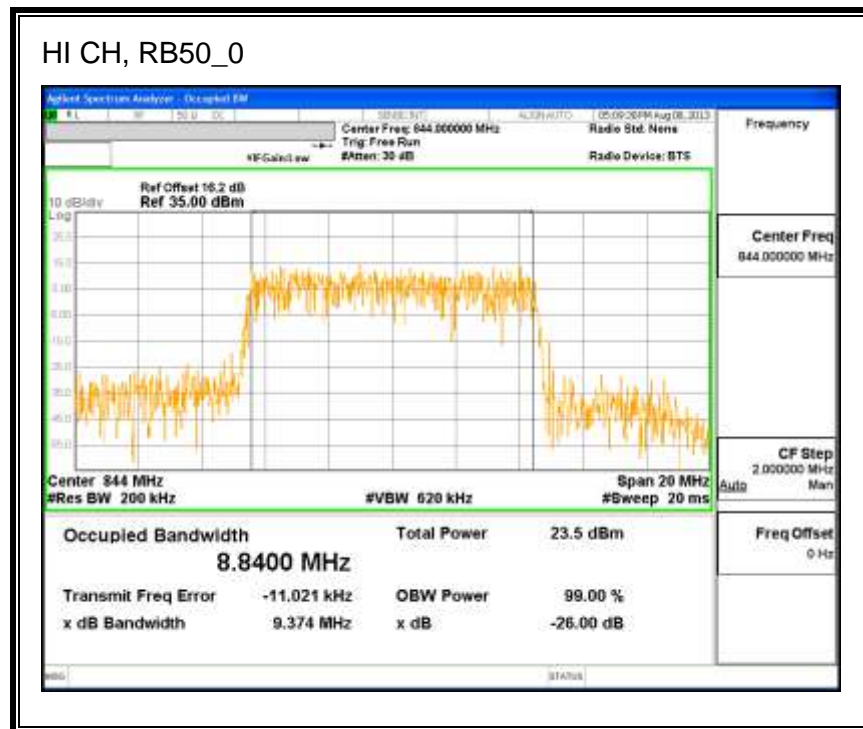
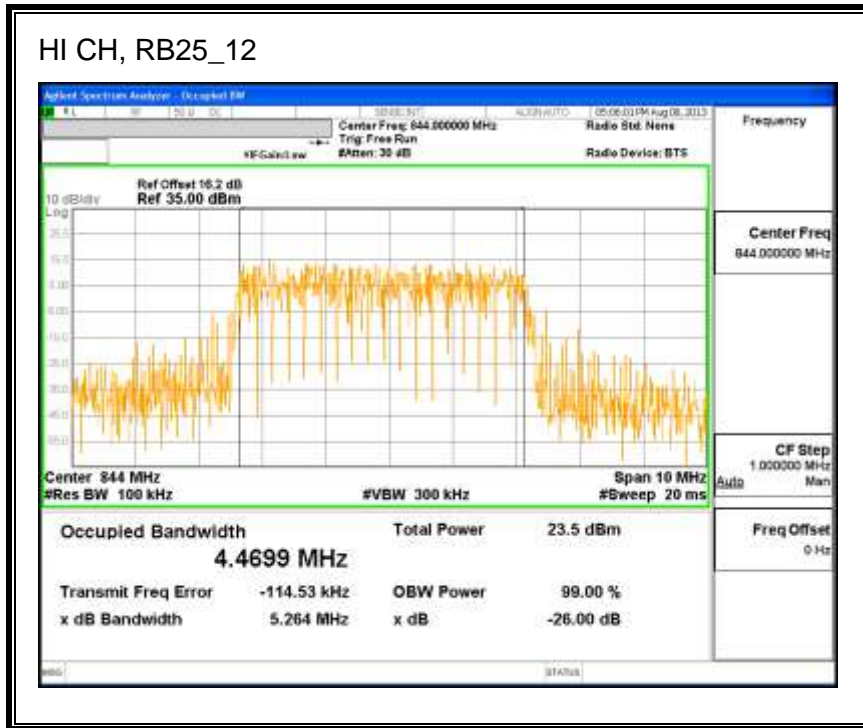


MID CH, RB25_12



MID CH, RB50_0





Band 5 (10 MHz BAND WIDTH)

LTE 16QAM

