

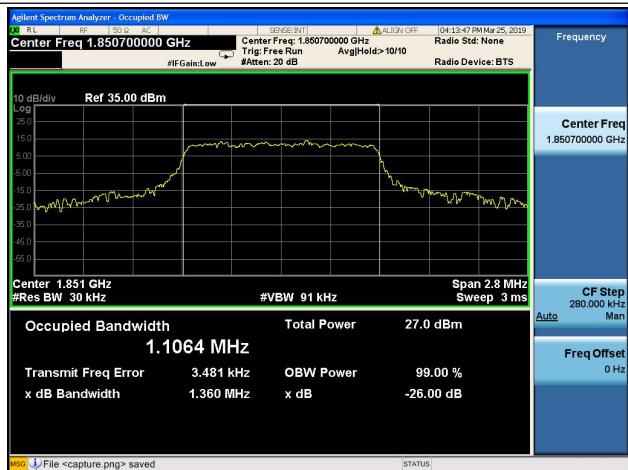


REPORT No.: SZ19020019W02

## 1.4MHz/64QAM/Low CH



## 1.4MHz/64QAM/Mid CH



## 1.4MHz/64QAM/High CH



## 3MHz/64QAM/Low CH



## 3MHz/64QAM/Mid CH



## 3MHz/64QAM/High CH

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### 5MHz/64QAM/Low CH



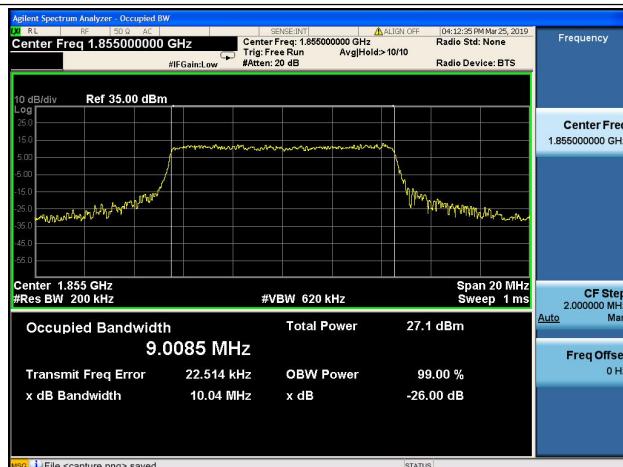
### 5MHz/64QAM/Mid CH



### 5MHz/64QAM/High CH



### 10MHz/64QAM/Low CH



### 10MHz/64QAM/Mid CH



### 10MHz/64QAM/High CH



### 5MHz/64QAM/Low CH

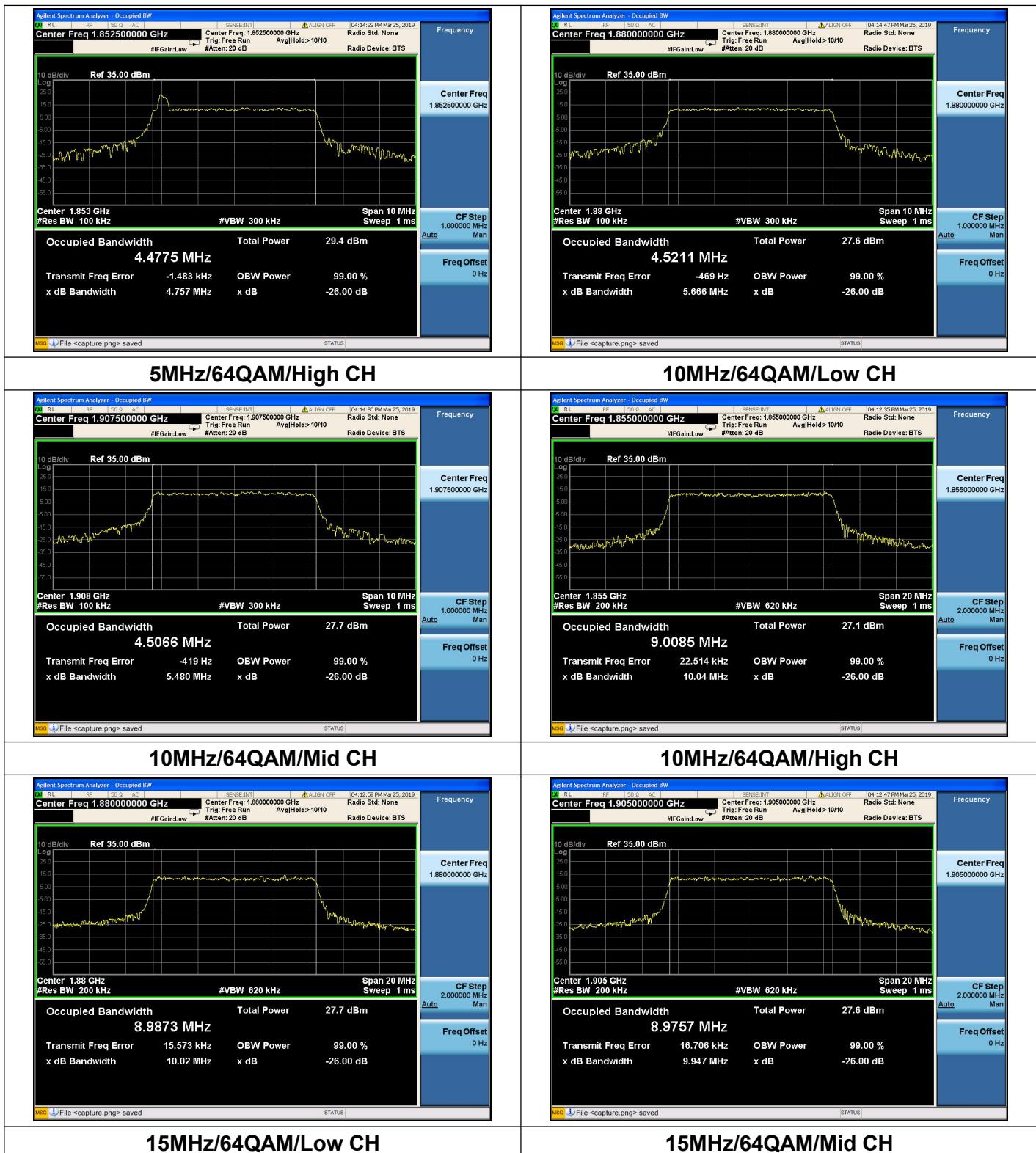
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### 5MHz/64QAM/Mid CH

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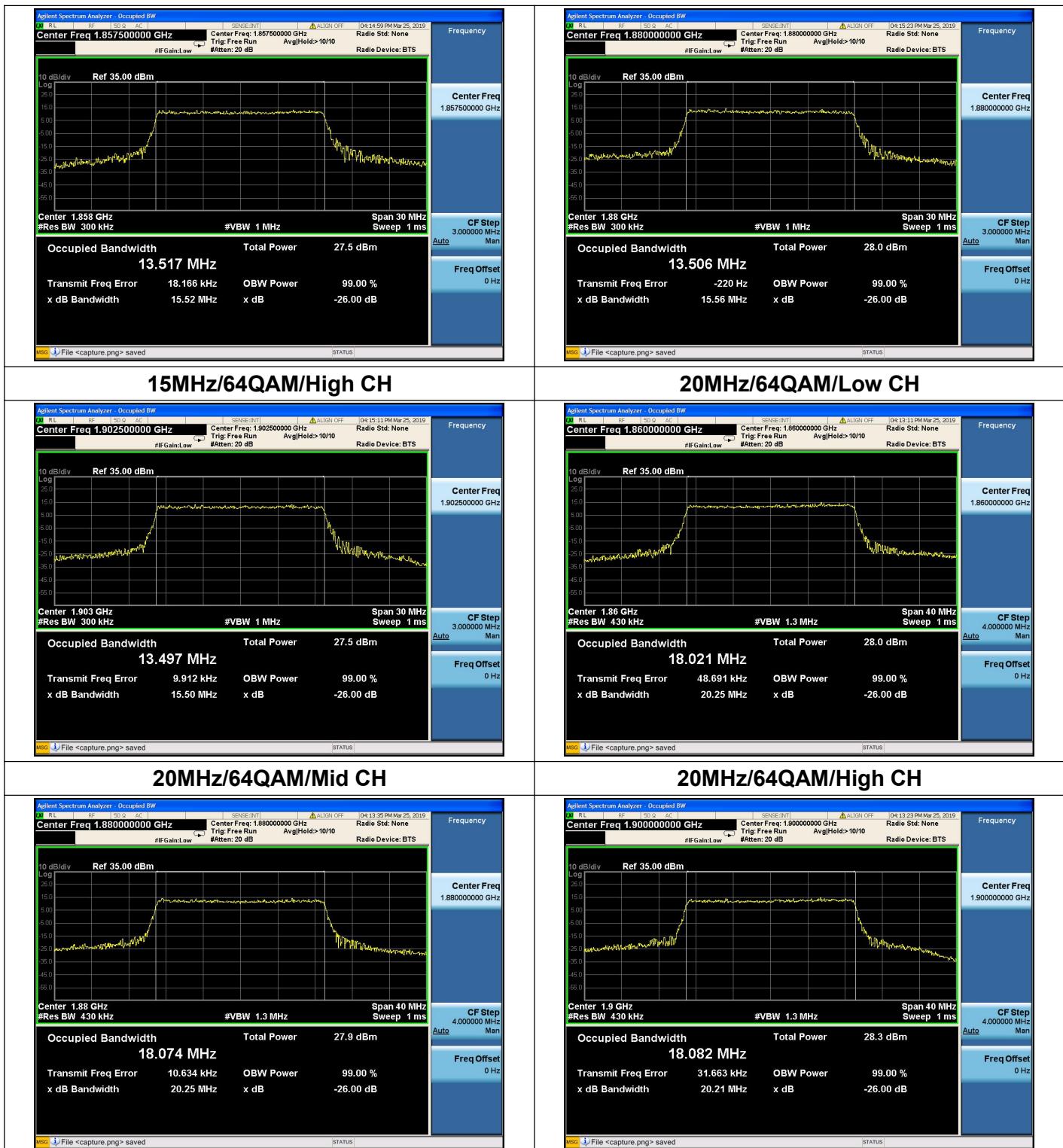
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#### LTE Band 4, BW: 1.4MHz

| Channel | Frequency | QPSK | 16QAM |
|---------|-----------|------|-------|
|---------|-----------|------|-------|



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|       |        | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |
|-------|--------|------------------------|-------------------------|------------------------|-------------------------|
| 19957 | 1710.7 | 1.1                    | 1.35                    | 1.11                   | 1.34                    |
| 20175 | 1732.5 | 1.11                   | 1.38                    | 1.11                   | 1.38                    |
| 20392 | 1754.2 | 1.1                    | 1.31                    | 1.11                   | 1.35                    |

**LTE Band 4, BW: 3MHz**

| Channel | Frequency<br>(MHz) | QPSK                   |                         | 16QAM                  |                         |
|---------|--------------------|------------------------|-------------------------|------------------------|-------------------------|
|         |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |
| 19965   | 1711.5             | 2.72                   | 3.14                    | 2.73                   | 3.24                    |
| 20175   | 1732.5             | 2.72                   | 3.21                    | 2.72                   | 3.23                    |
| 20384   | 1753.4             | 2.72                   | 3.24                    | 2.72                   | 3.2                     |

**LTE Band 4, BW: 5MHz**

| Channel | Frequency<br>(MHz) | QPSK                   |                         | 16QAM                  |                         |
|---------|--------------------|------------------------|-------------------------|------------------------|-------------------------|
|         |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |
| 19975   | 1712.5             | 4.51                   | 5.44                    | 4.51                   | 5.4                     |
| 20175   | 1732.5             | 4.51                   | 5.26                    | 4.52                   | 5.44                    |
| 20375   | 1752.5             | 4.51                   | 5.3                     | 4.52                   | 5.42                    |

**LTE Band 4, BW: 10MHz**

| Channel | Frequency<br>(MHz) | QPSK                   |                         | 16QAM                  |                         |
|---------|--------------------|------------------------|-------------------------|------------------------|-------------------------|
|         |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |
| 20000   | 1715.0             | 9.02                   | 10.24                   | 8.99                   | 9.99                    |
| 20175   | 1732.5             | 9.02                   | 10.98                   | 8.99                   | 9.96                    |
| 20350   | 1750.0             | 9.04                   | 10.22                   | 8.99                   | 10.14                   |

**LTE Band 4, BW: 15MHz**

| Channel | Frequency<br>(MHz) | QPSK                   |                         | 16QAM                  |                         |
|---------|--------------------|------------------------|-------------------------|------------------------|-------------------------|
|         |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |
| 20025   | 1717.5             | 13.51                  | 15.47                   | 13.49                  | 14.95                   |
| 20175   | 1732.5             | 13.5                   | 15.32                   | 13.51                  | 15.55                   |
| 20325   | 1747.5             | 13.46                  | 15.17                   | 13.51                  | 15.29                   |

**LTE Band 4, BW: 20MHz**

| Channel | Frequency | QPSK | 16QAM |
|---------|-----------|------|-------|
|         |           |      |       |



|       |        | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |
|-------|--------|------------------------|-------------------------|------------------------|-------------------------|
| 20050 | 1720.0 | 18.0                   | 20.41                   | 18.04                  | 20.1                    |
| 20175 | 1732.5 | 18.01                  | 20.0                    | 18.07                  | 20.45                   |
| 20300 | 1745.0 | 18.02                  | 20.41                   | 18.06                  | 20.1                    |

**LTE Band 4, BW: 1.4MHz**

| Channel | Frequency<br>(MHz) | 64QAM                  |                         |  |  |
|---------|--------------------|------------------------|-------------------------|--|--|
|         |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |  |  |
| 19957   | 1710.7             | 1.11                   | 1.35                    |  |  |
| 20175   | 1732.5             | 1.11                   | 1.37                    |  |  |
| 20392   | 1754.2             | 1.11                   | 1.35                    |  |  |

**LTE Band 4, BW: 3MHz**

| Channel | Frequency<br>(MHz) | 64QAM                  |                         |  |  |
|---------|--------------------|------------------------|-------------------------|--|--|
|         |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |  |  |
| 19965   | 1711.5             | 2.72                   | 3.25                    |  |  |
| 20175   | 1732.5             | 2.73                   | 3.25                    |  |  |
| 20384   | 1753.4             | 2.72                   | 3.22                    |  |  |

**LTE Band 4, BW: 5MHz**

| Channel | Frequency<br>(MHz) | 64QAM                  |                         |  |  |
|---------|--------------------|------------------------|-------------------------|--|--|
|         |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |  |  |
| 19975   | 1712.5             | 4.51                   | 5.31                    |  |  |
| 20175   | 1732.5             | 4.52                   | 5.33                    |  |  |
| 20375   | 1752.5             | 4.52                   | 5.43                    |  |  |

**LTE Band 4, BW: 10MHz**

| Channel | Frequency<br>(MHz) | 64QAM                  |                         |  |  |
|---------|--------------------|------------------------|-------------------------|--|--|
|         |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |  |  |
| 20000   | 1715.0             | 8.98                   | 10.08                   |  |  |
| 20175   | 1732.5             | 8.93                   | 9.44                    |  |  |
| 20350   | 1750.0             | 8.98                   | 10.09                   |  |  |

**LTE Band 4, BW: 15MHz**

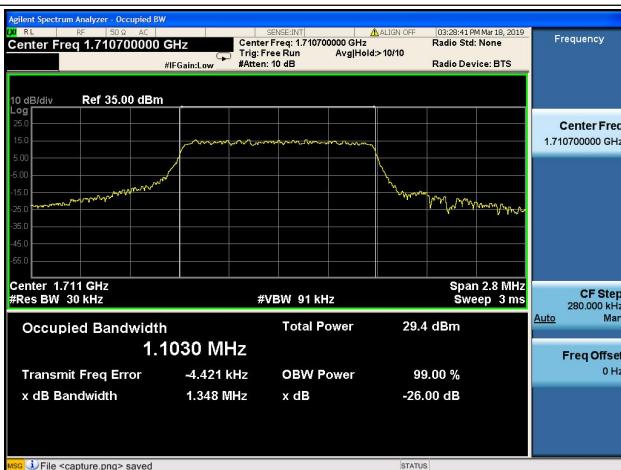
| Channel | Frequency<br>(MHz) | 64QAM                  |                         |  |  |
|---------|--------------------|------------------------|-------------------------|--|--|
|         |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |  |  |
|         |                    |                        |                         |  |  |



|       |        |       |       |  |  |
|-------|--------|-------|-------|--|--|
| 20025 | 1717.5 | 13.5  | 15.36 |  |  |
| 20175 | 1732.5 | 13.52 | 15.5  |  |  |
| 20325 | 1747.5 | 13.49 | 15.39 |  |  |

**LTE Band 4, BW: 20MHz**

| Channel | Frequency<br>(MHz) | 64QAM                  |                         |  |  |
|---------|--------------------|------------------------|-------------------------|--|--|
|         |                    | 99% Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) |  |  |
| 20050   | 1720.0             | 18.03                  | 20.07                   |  |  |
| 20175   | 1732.5             | 18.04                  | 20.13                   |  |  |
| 20300   | 1745.0             | 18.04                  | 19.91                   |  |  |

**LTE Band 4 99%&26dB Bandwidth****1.4MHz/QPSK/Low CH****1.4MHz/16QAM/Low CH****1.4MHz/QPSK/Mid CH****1.4MHz/16QAM/Mid CH**



REPORT No.: SZ19020019W02

## 1.4MHz/QPSK/High CH



## 1.4MHz/16QAM/High CH



## 3MHz/QPSK/Low CH



## 3MHz/16QAM/Low CH



## 3MHz/QPSK/Mid CH



## 3MHz/16QAM/Mid CH

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## 3MHz/QPSK/High CH



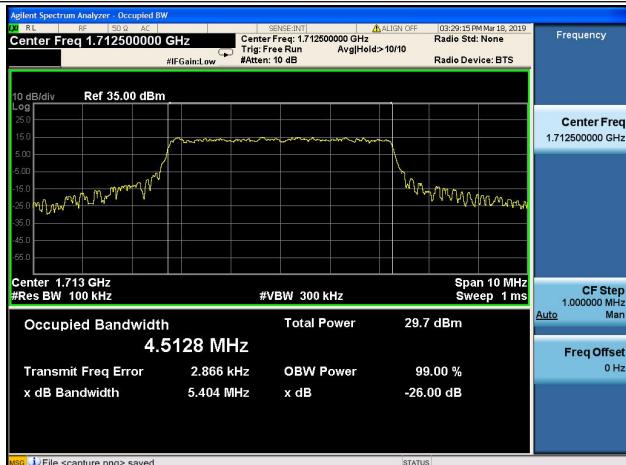
## 3MHz/16QAM/High CH



## 5MHz/QPSK/Low CH



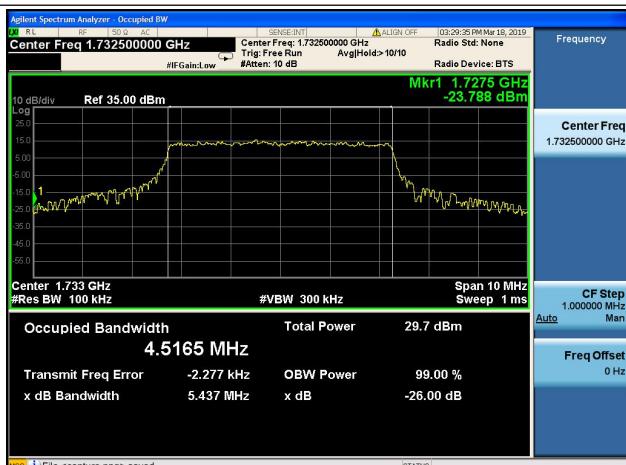
## 5MHz/16QAM/Low CH



## 5MHz/QPSK/Mid CH



## 5MHz/16QAM/Mid CH

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## 5MHz/QPSK/High CH



## 5MHz/16QAM/High CH



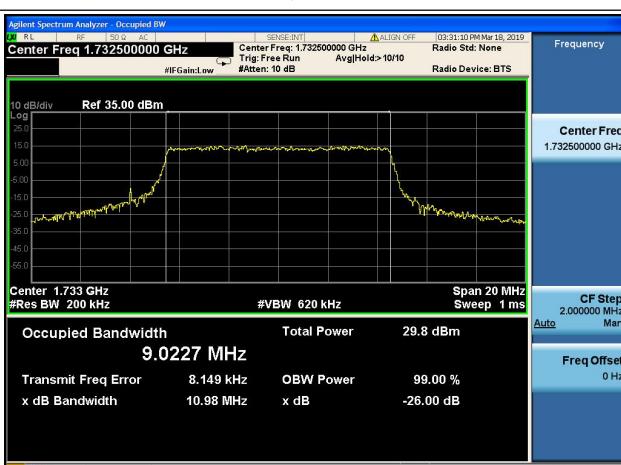
## 10MHz/QPSK/Low CH



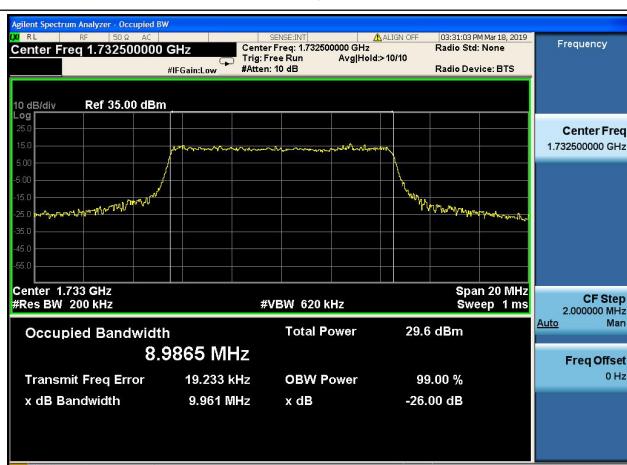
## 10MHz/16QAM/Low CH



## 10MHz/QPSK/Mid CH



## 10MHz/16QAM/Mid CH

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