

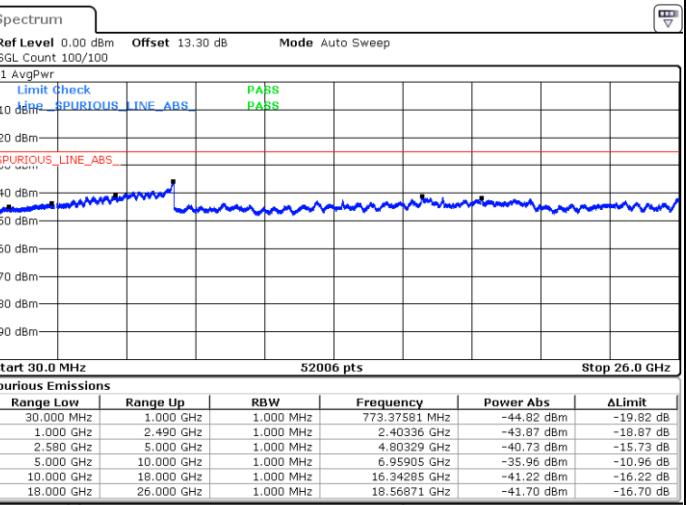
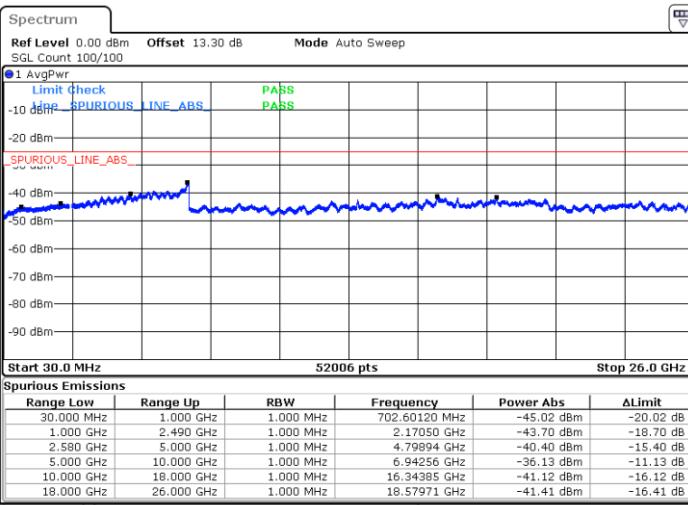


## Conducted Spurious Emission

### LTE Band 7 / 5MHz

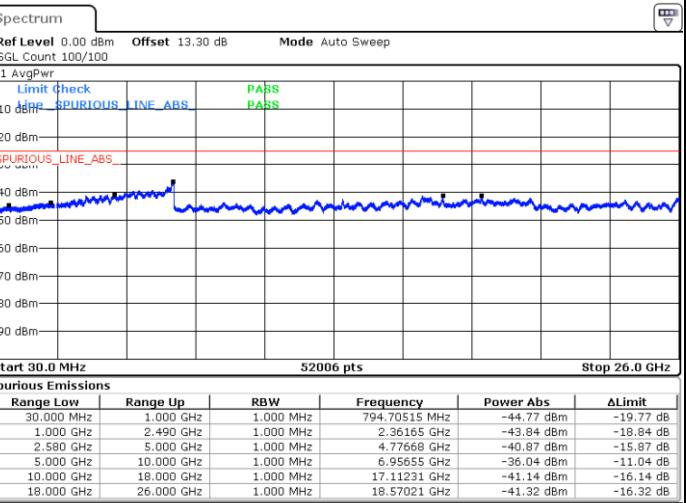
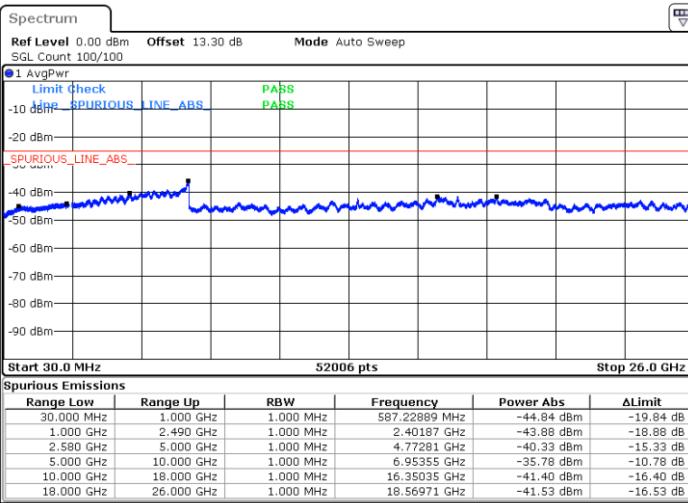
#### Lowest Channel / QPSK

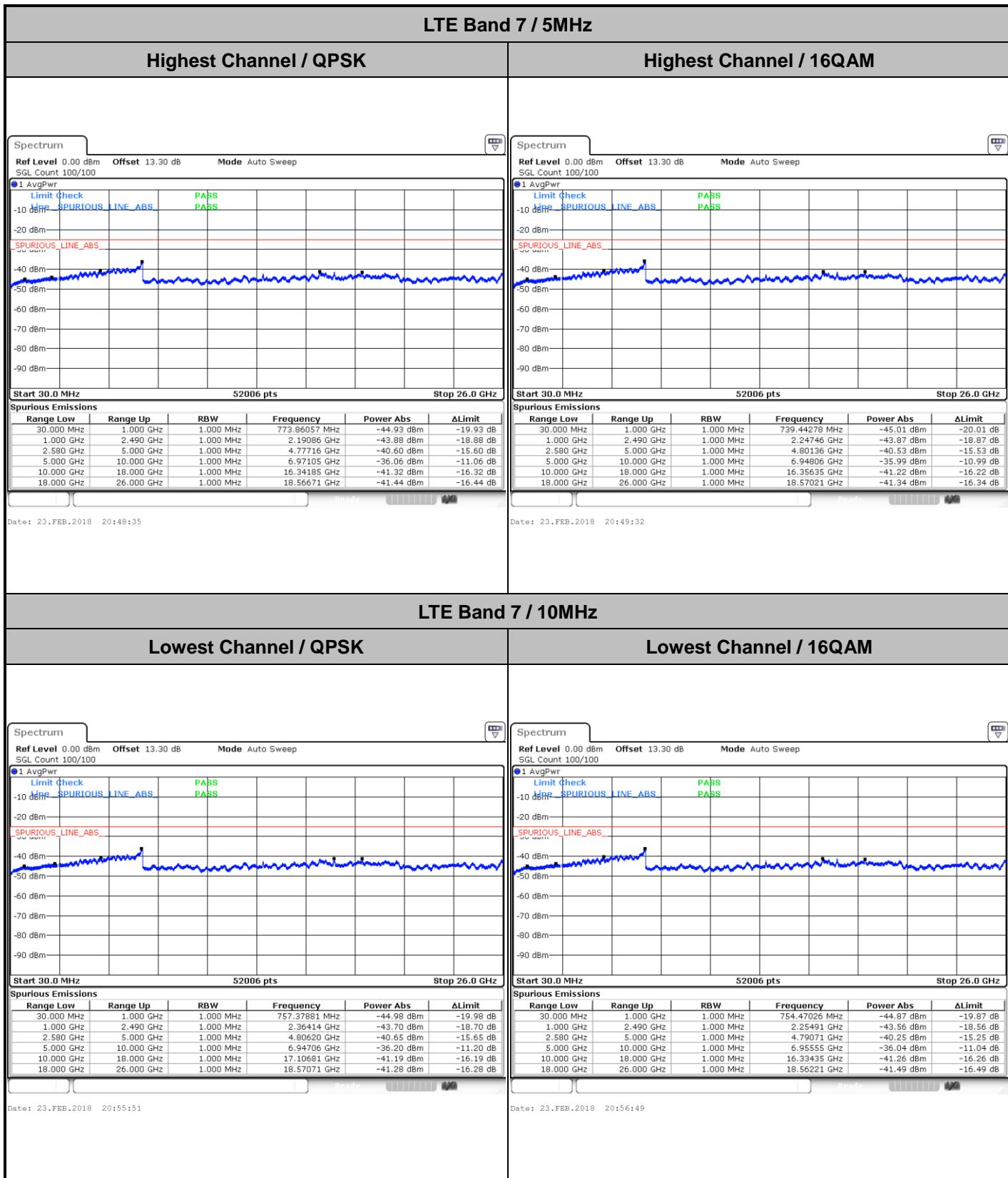
#### Lowest Channel / 16QAM

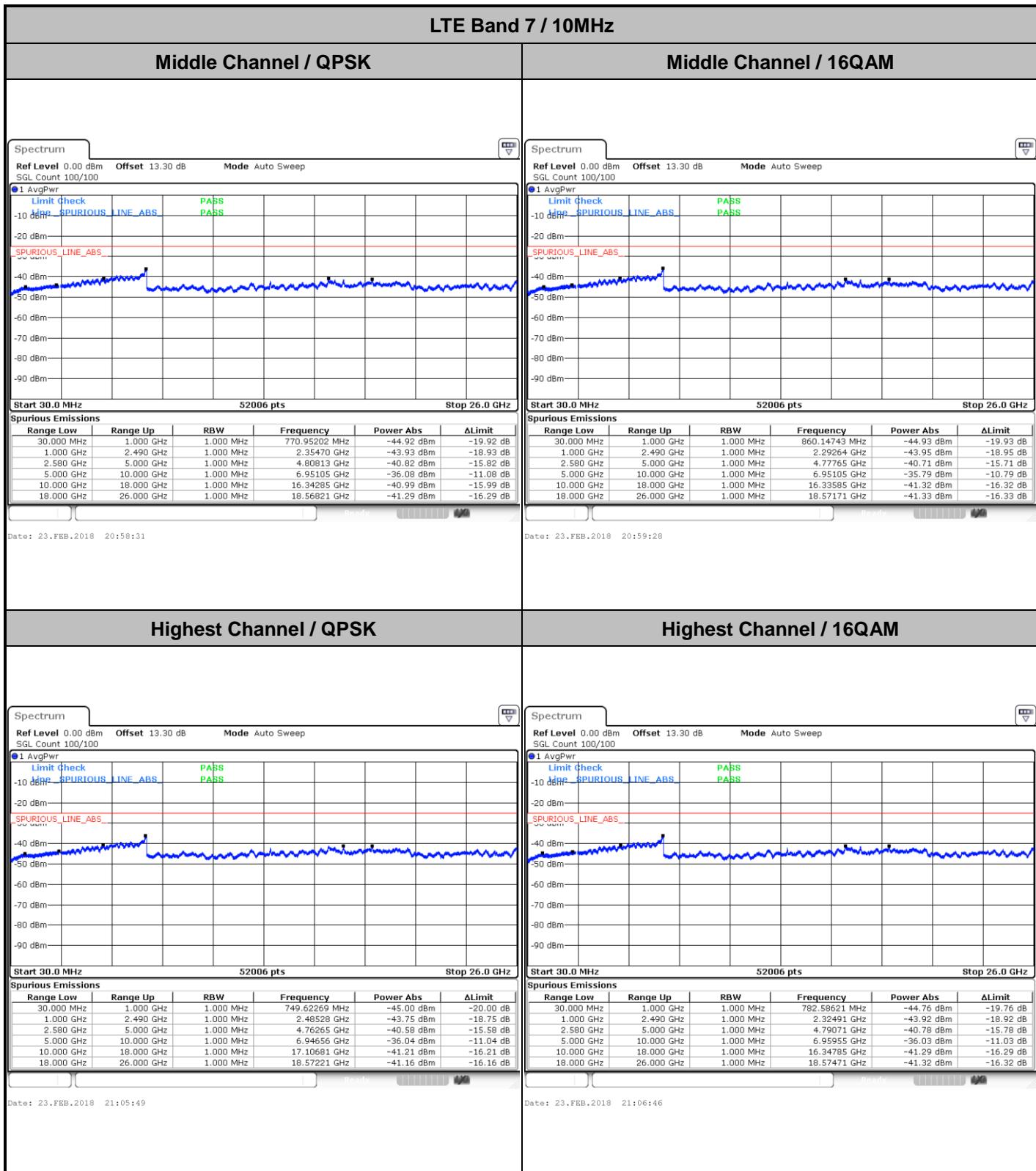


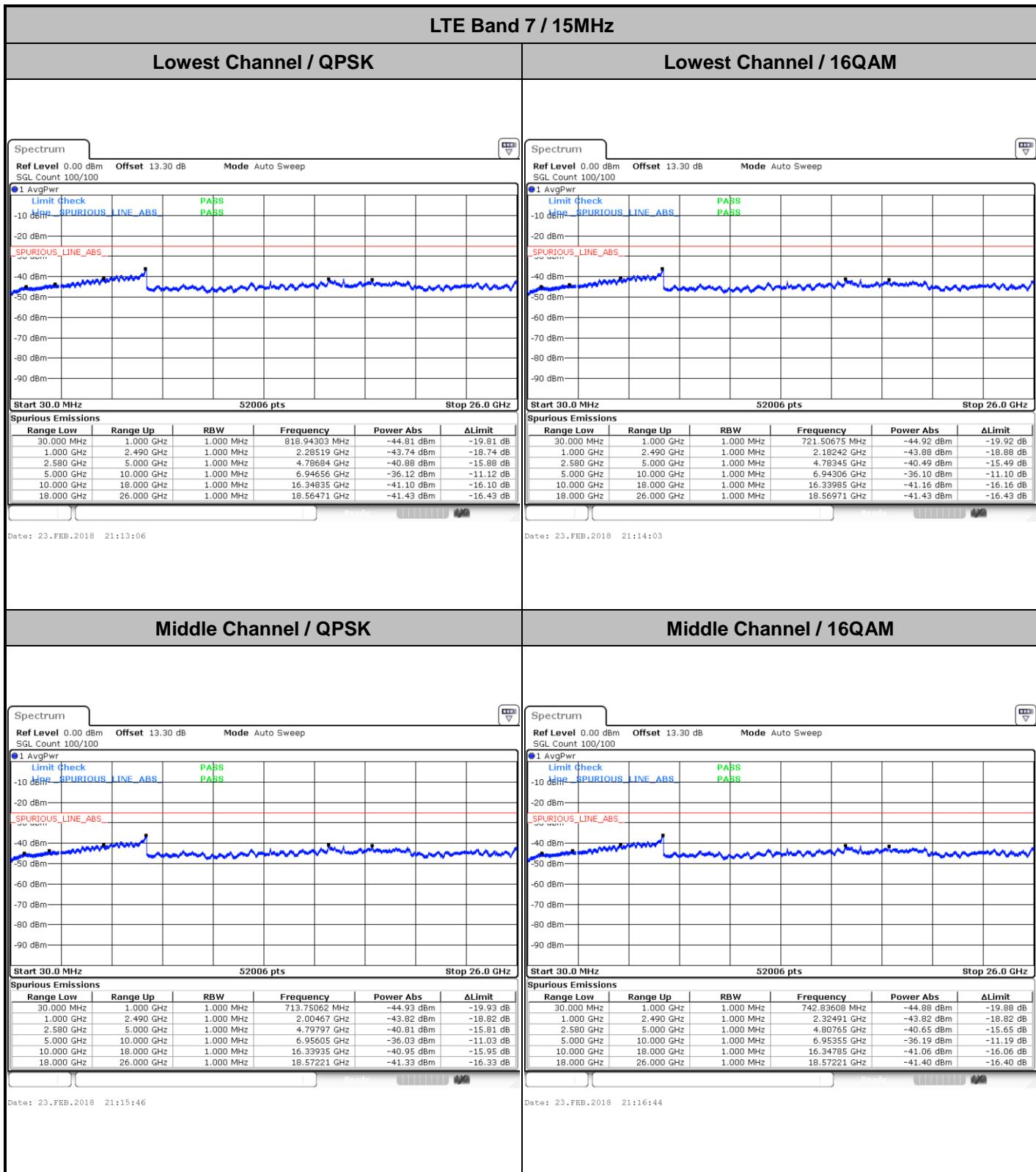
#### Middle Channel / QPSK

#### Middle Channel / 16QAM







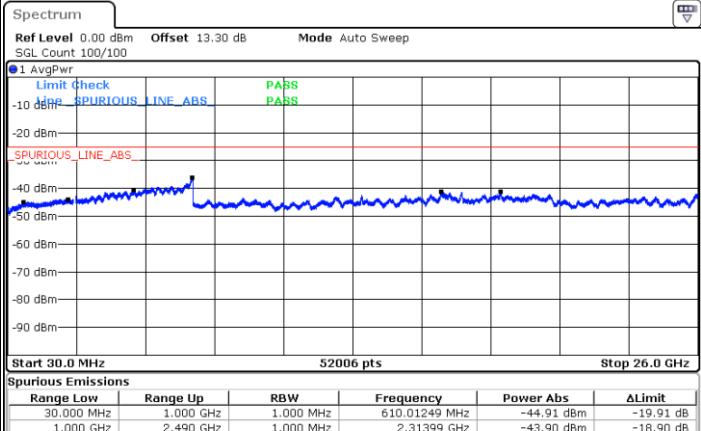
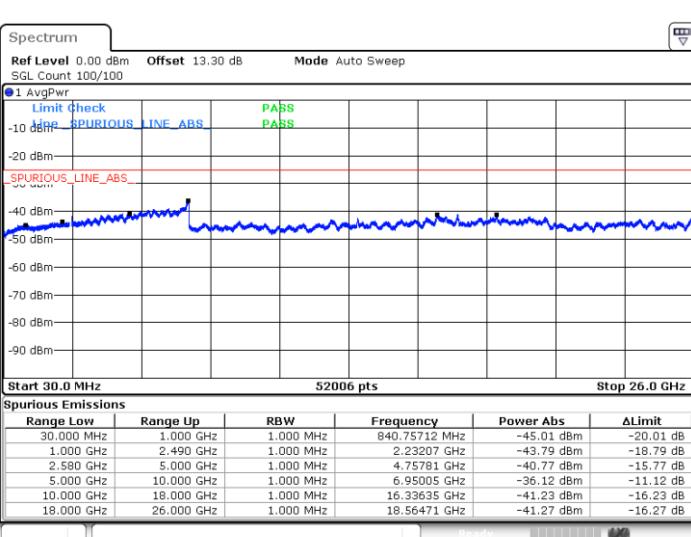




## LTE Band 7 / 15MHz

## Highest Channel / QPSK

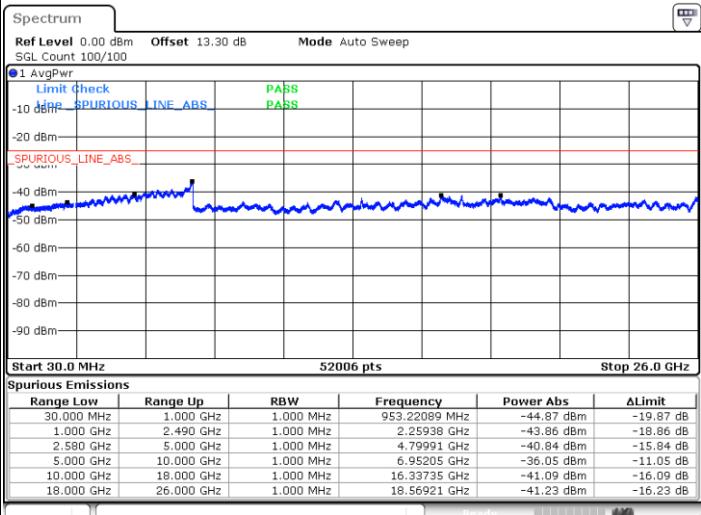
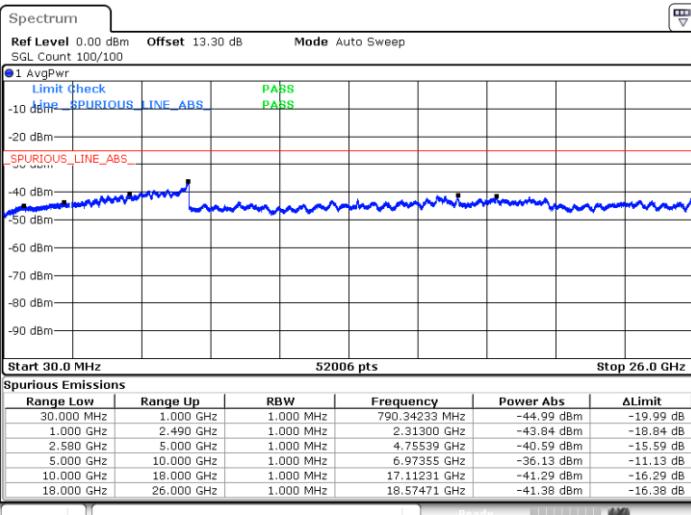
## Highest Channel / 16QAM

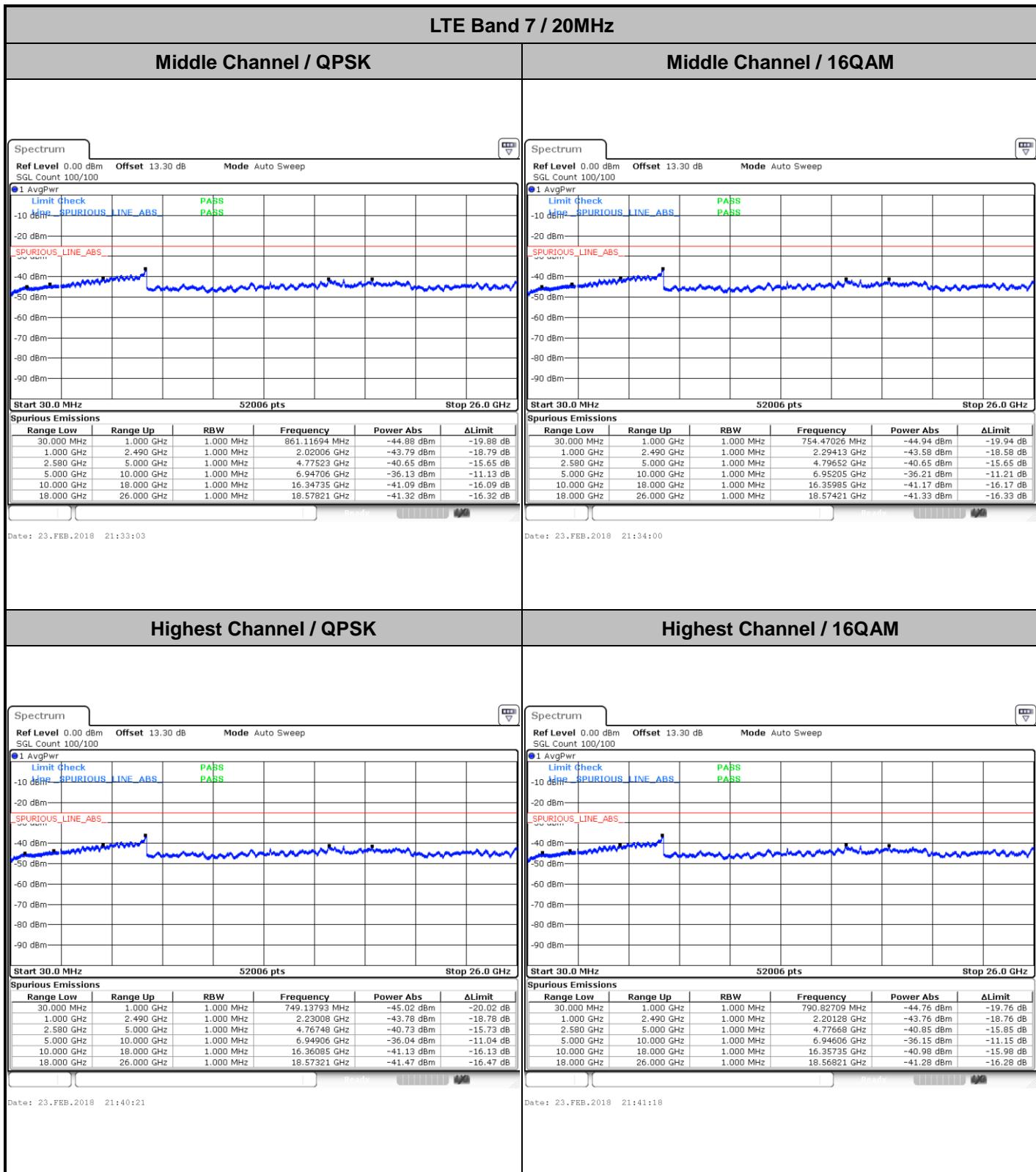


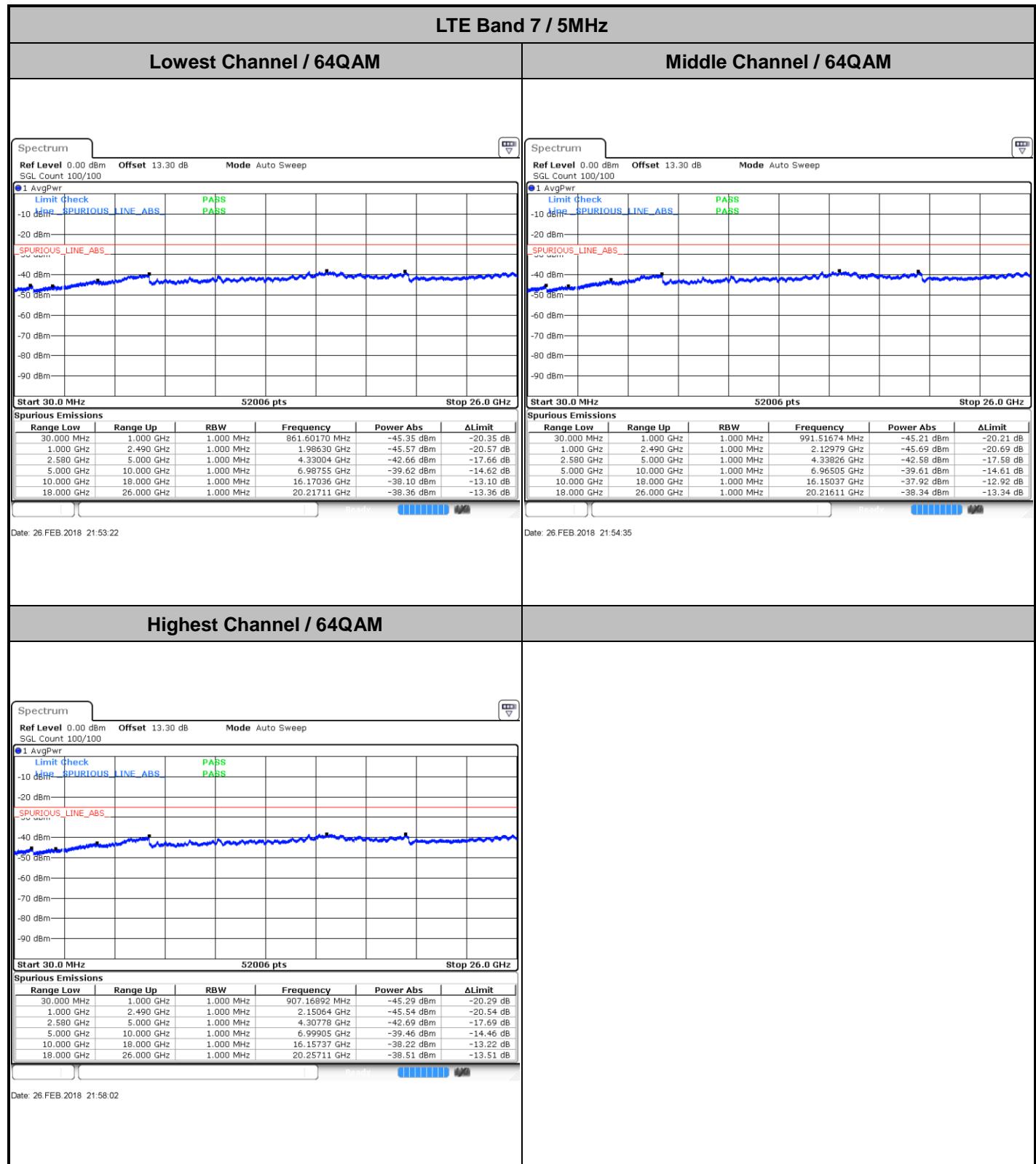
## LTE Band 7 / 20MHz

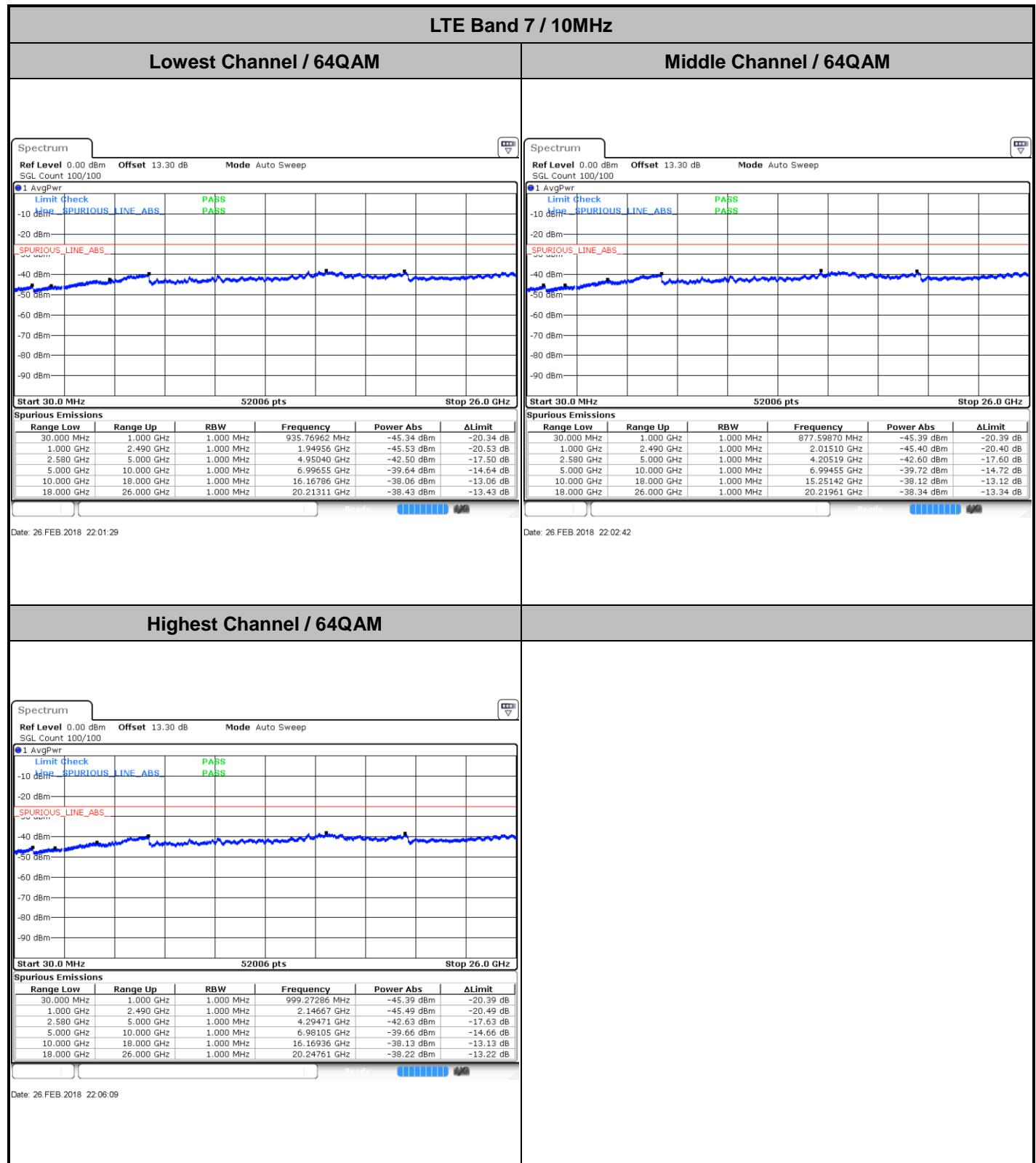
## Lowest Channel / QPSK

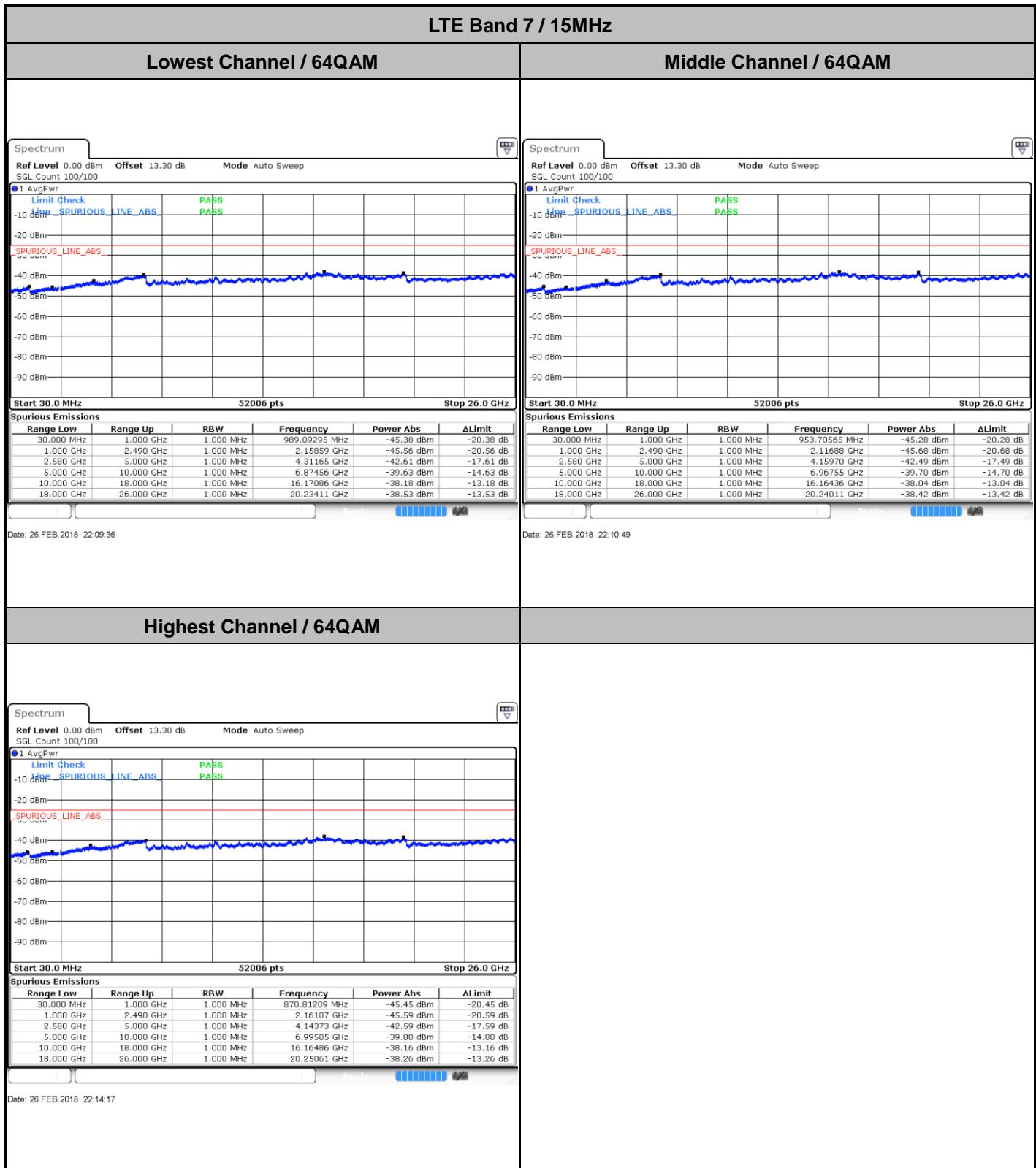
## Lowest Channel / 16QAM

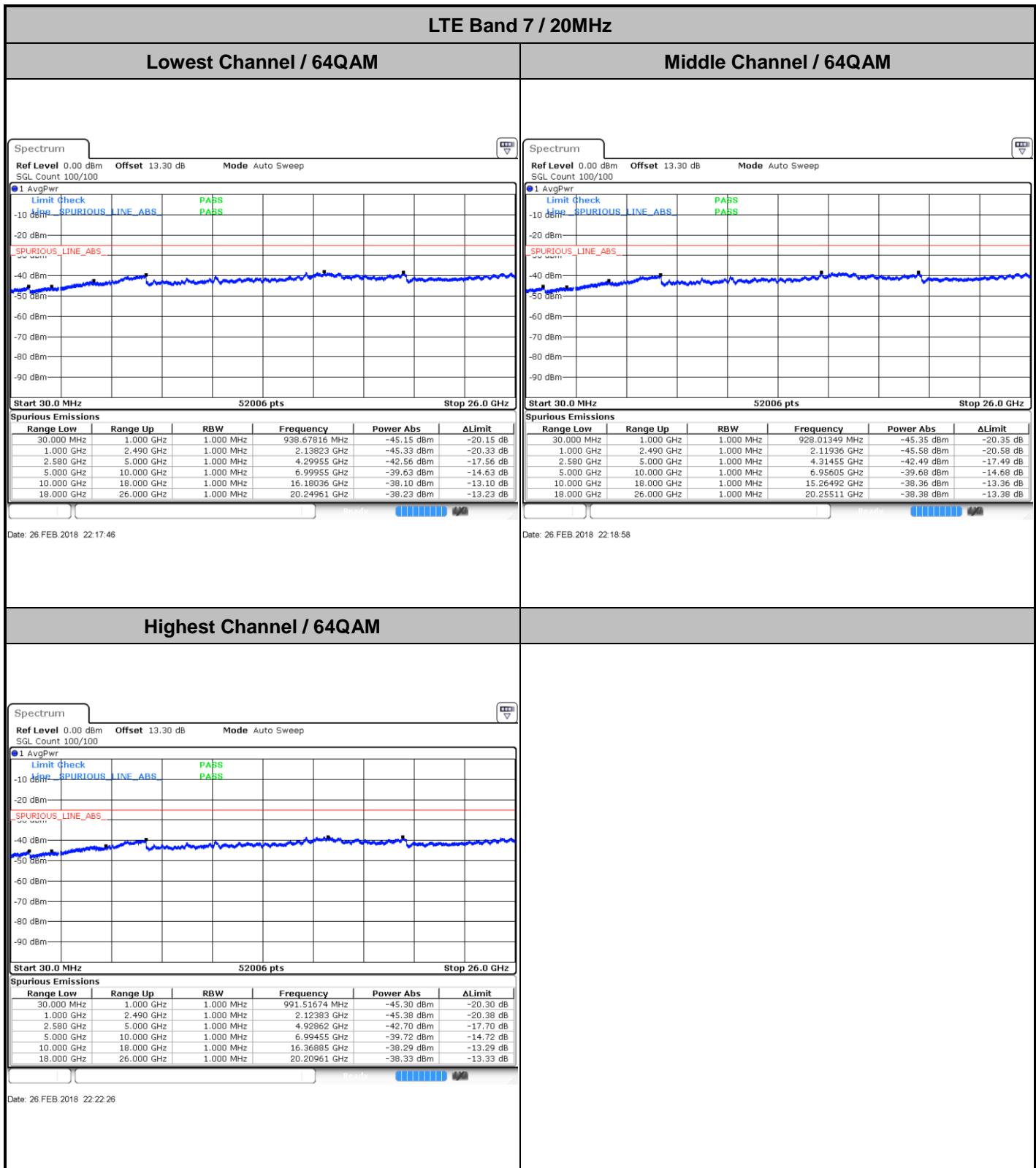














## Frequency Stability

| Test Conditions     |                   | LTE Band 7 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | Note 2. |
|                     |                   | Deviation<br>(ppm)                 | Result  |
| 50                  | Normal Voltage    | 0.0002                             | PASS    |
| 40                  | Normal Voltage    | 0.0002                             |         |
| 30                  | Normal Voltage    | 0.0006                             |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |         |
| 10                  | Normal Voltage    | 0.0011                             |         |
| 0                   | Normal Voltage    | 0.0026                             |         |
| -10                 | Normal Voltage    | 0.0031                             |         |
| -20                 | Normal Voltage    | 0.0048                             |         |
| -30                 | Normal Voltage    | 0.0033                             |         |
| 20                  | Maximum Voltage   | 0.0028                             |         |
| 20                  | Normal Voltage    | 0.0000                             |         |
| 20                  | Battery End Point | 0.0036                             |         |

**Note:**

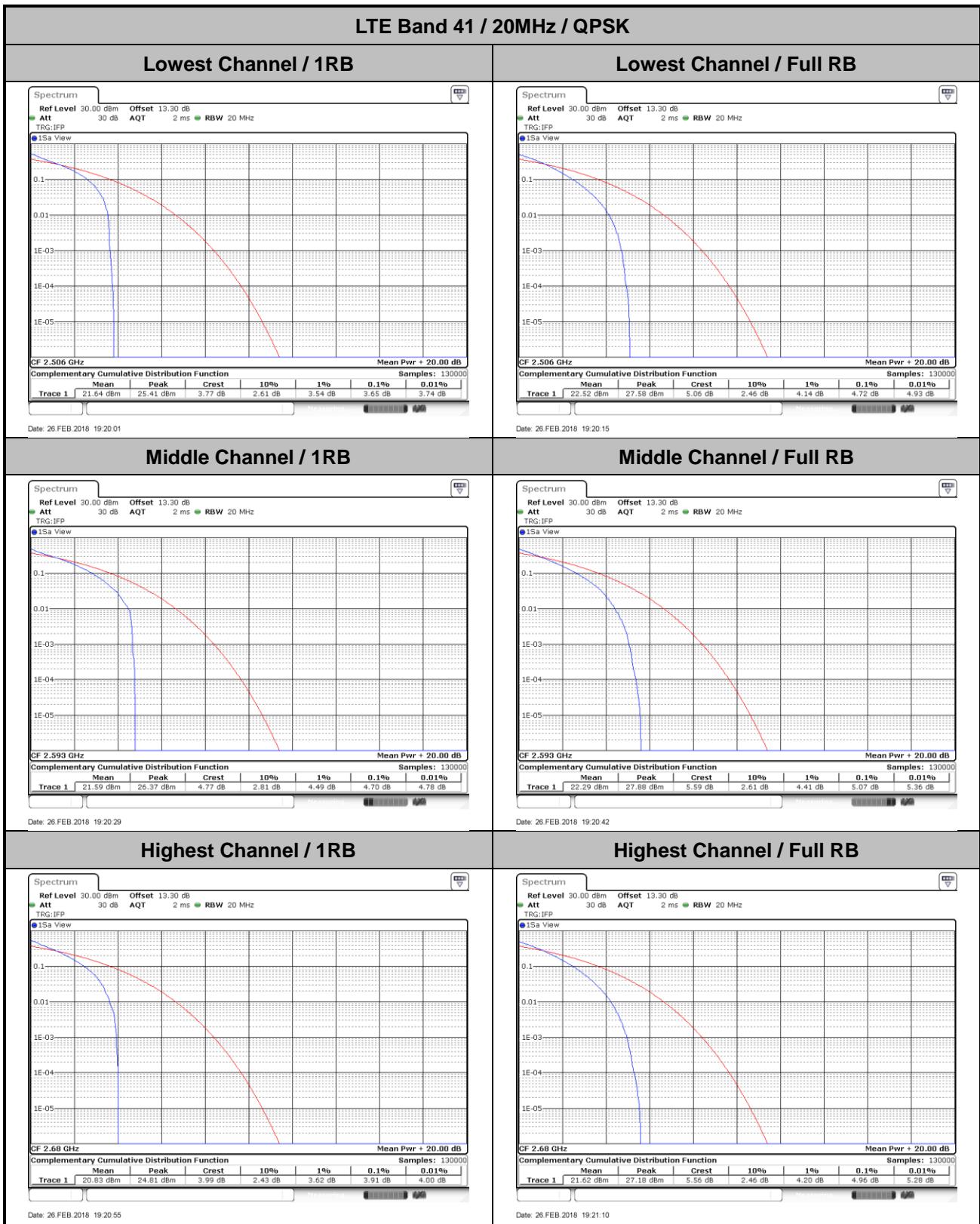
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

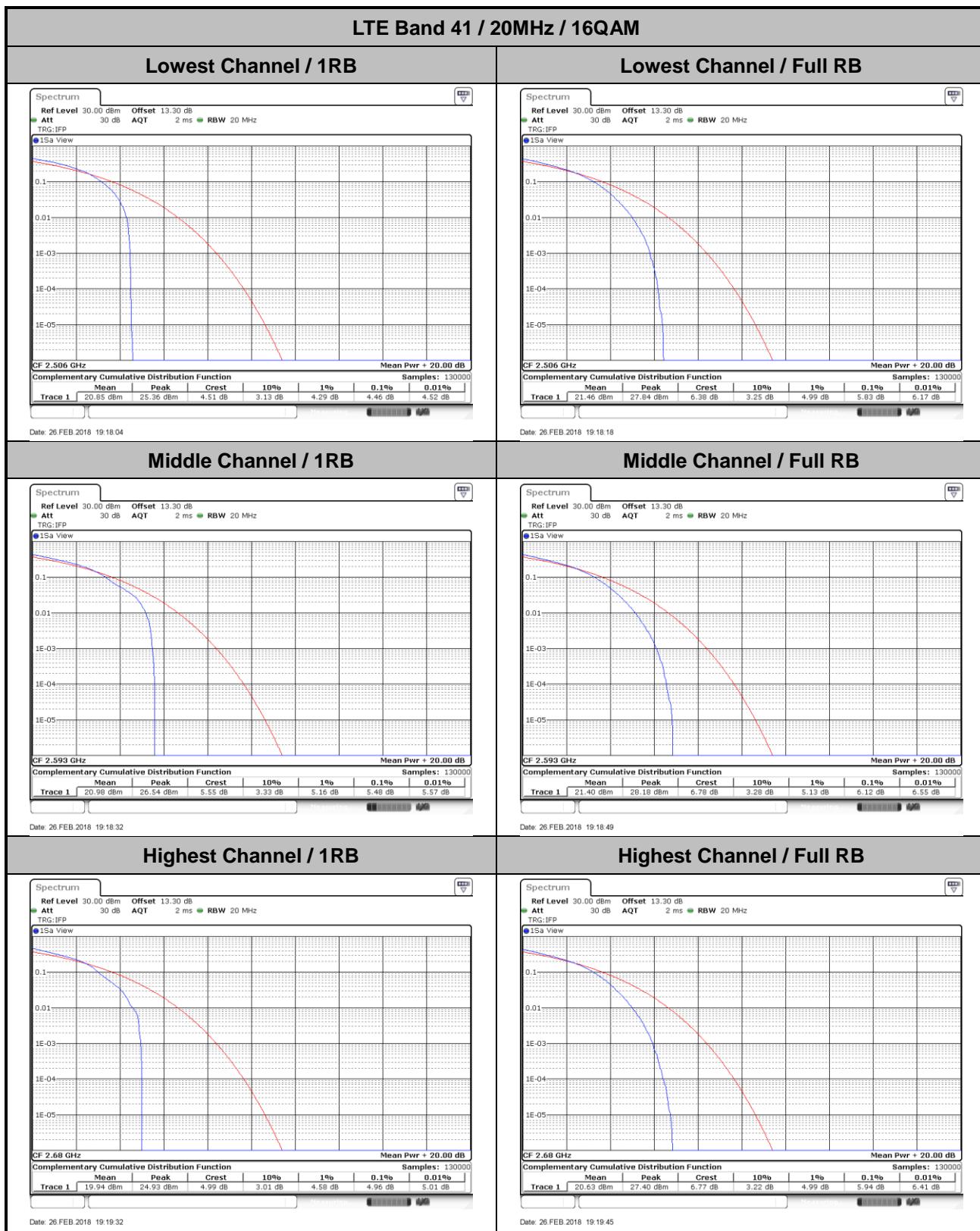


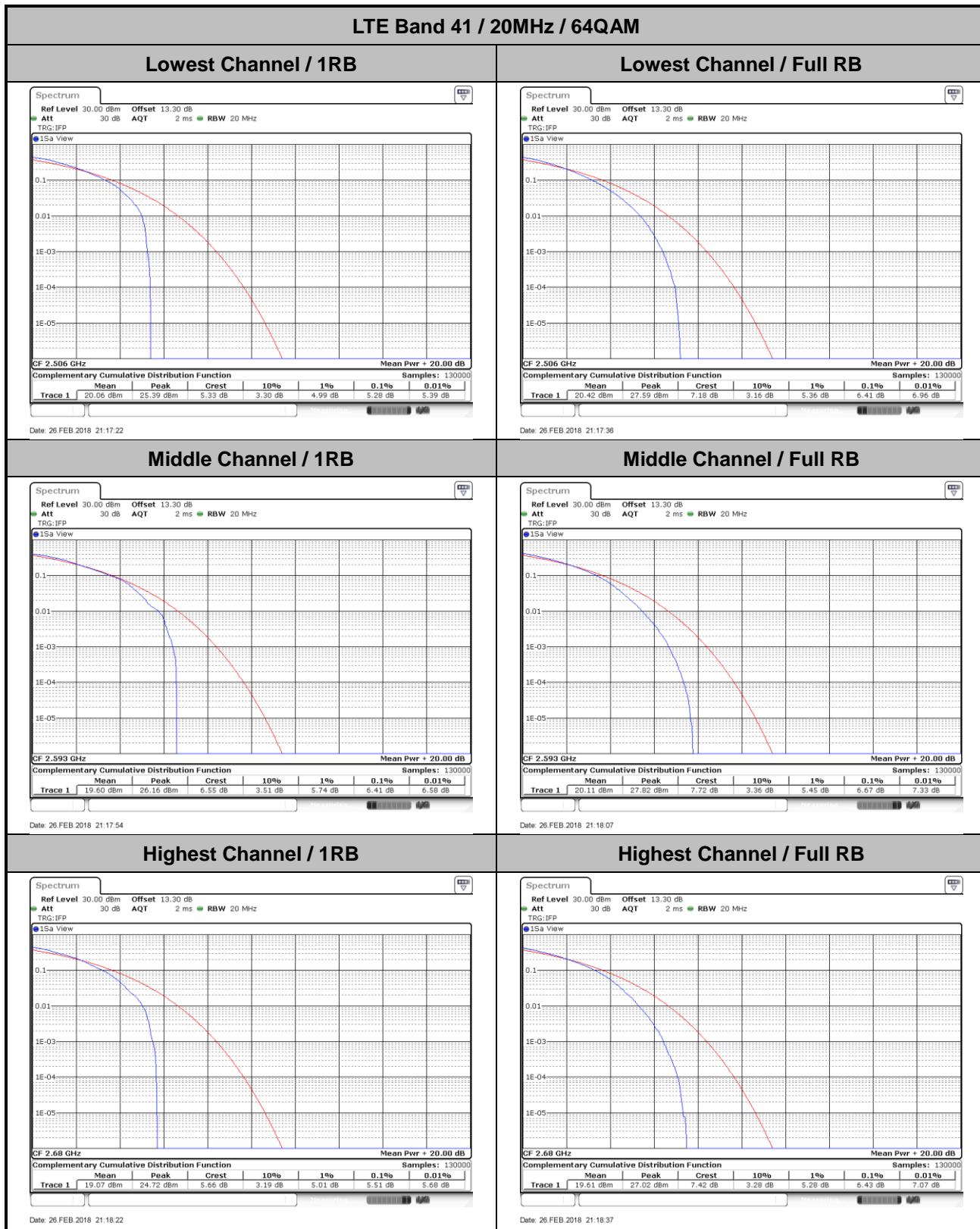
## LTE Band 41

### Peak-to-Average Ratio

| Mode       | LTE Band 41 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.65                | 4.72    | 4.46  | 5.83    | PASS        |
| Middle CH  | 4.70                | 5.07    | 5.48  | 6.12    |             |
| Highest CH | 3.91                | 4.96    | 4.96  | 5.94    |             |
| Mode       | LTE Band 41 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 5.28                | 6.41    | -     | -       | PASS        |
| Middle CH  | 6.41                | 6.67    | -     | -       |             |
| Highest CH | 5.51                | 6.43    | -     | -       |             |

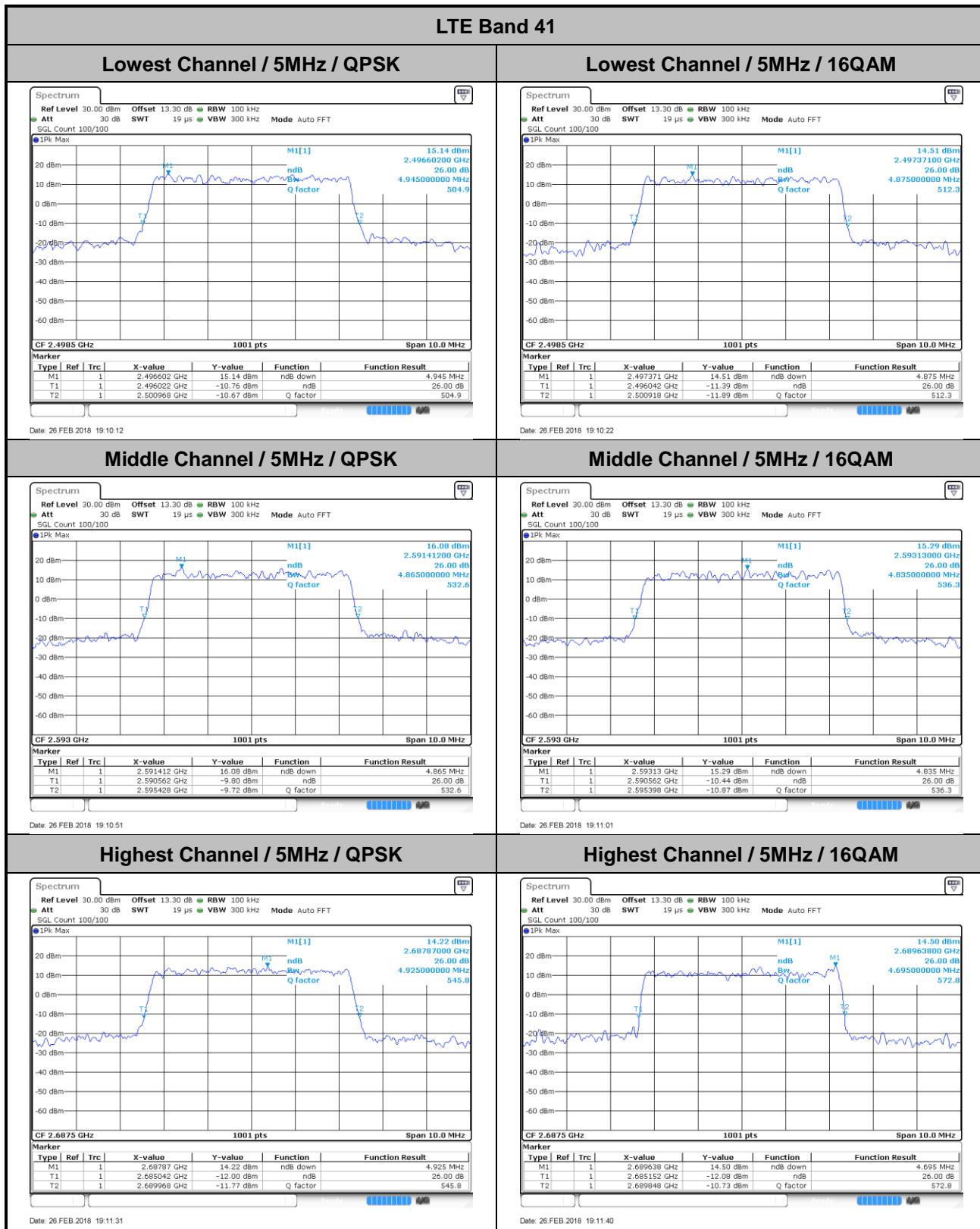


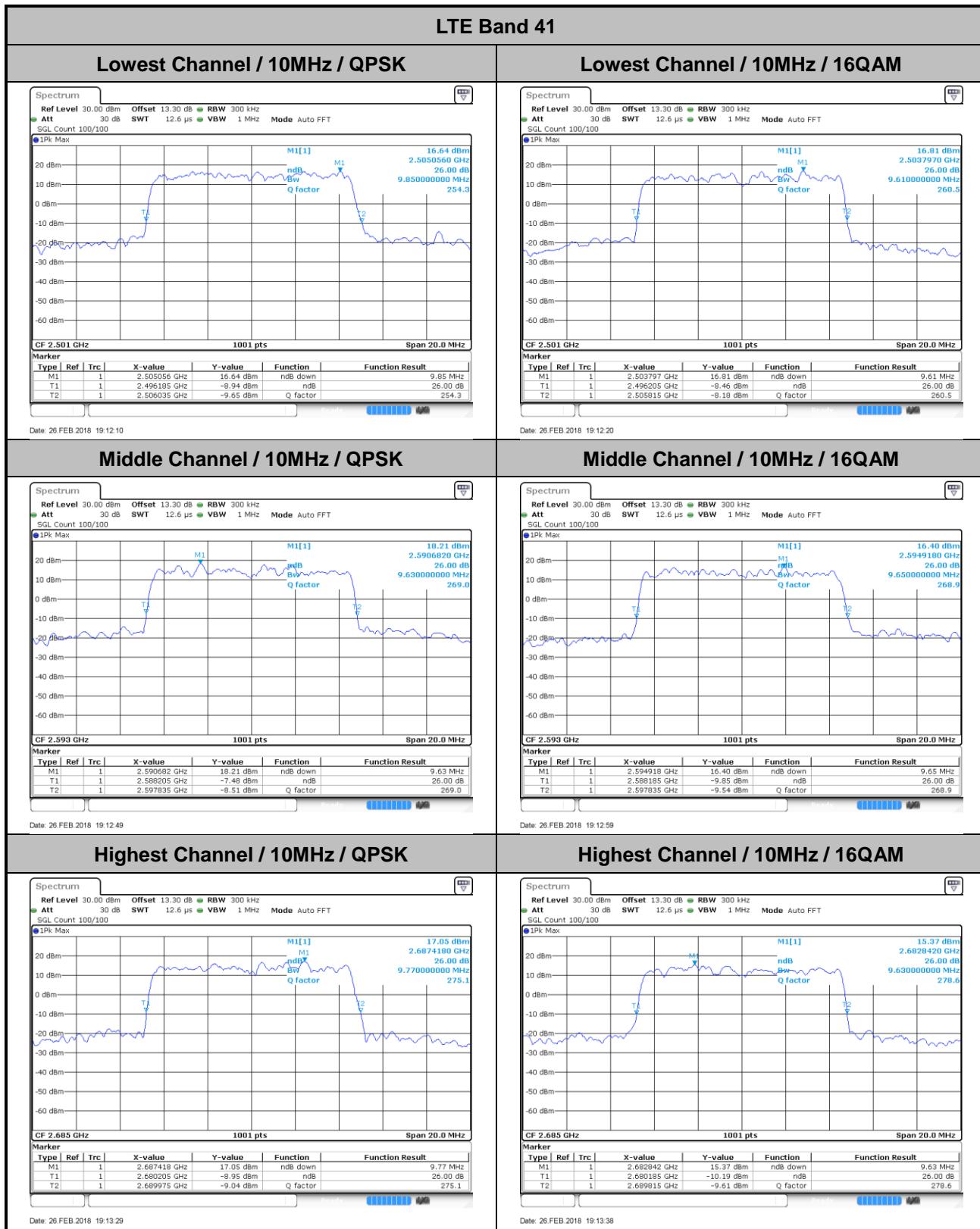


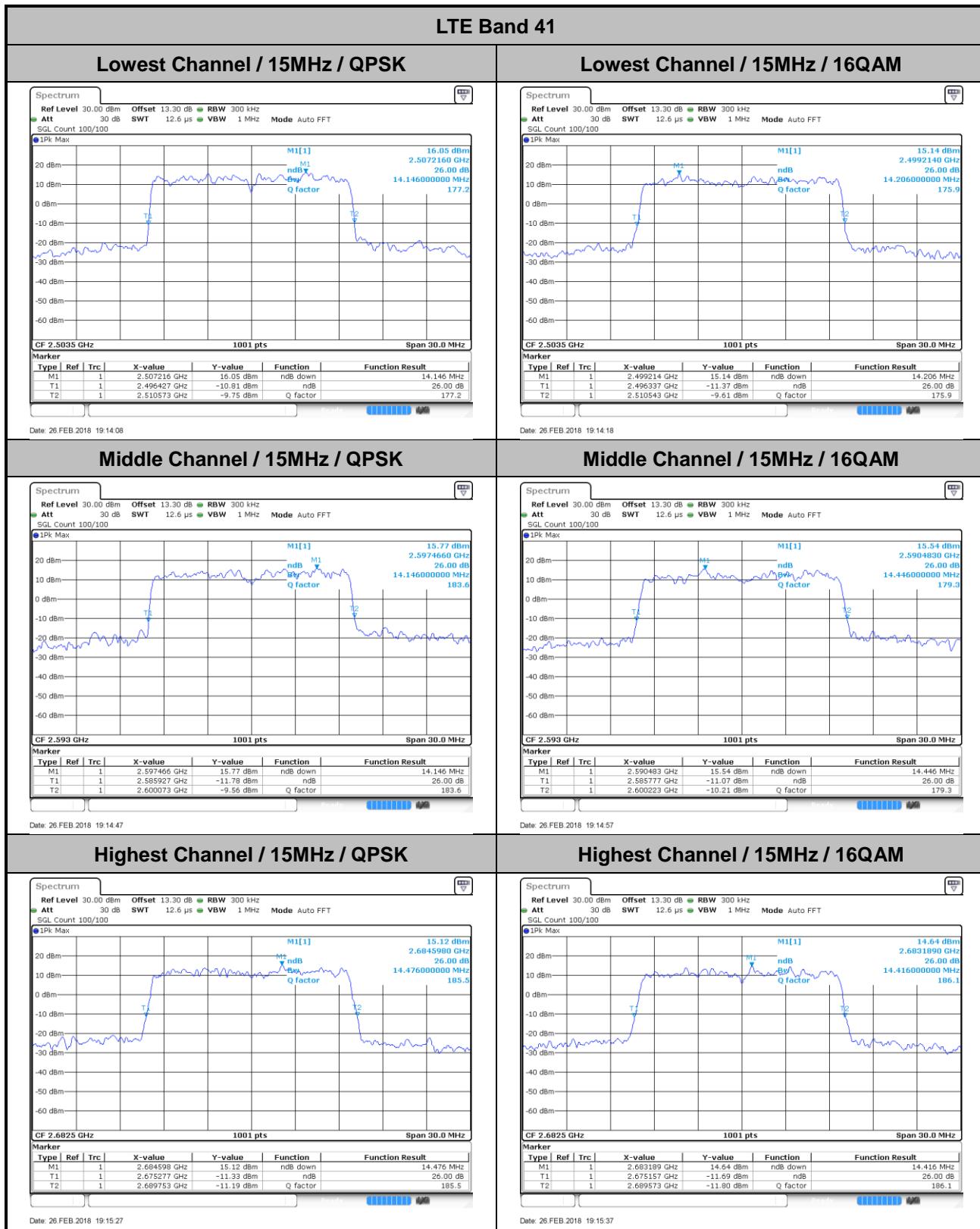


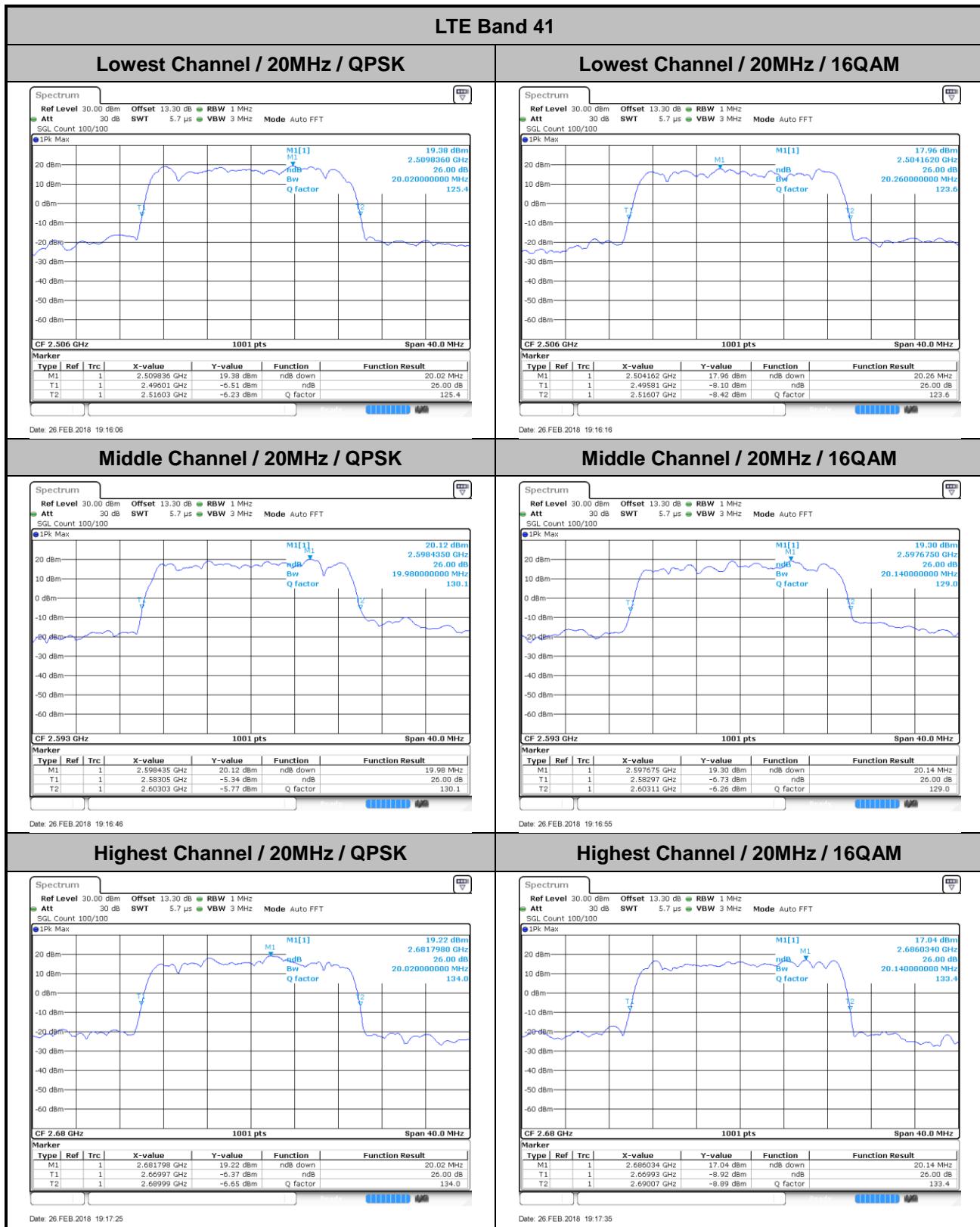
**26dB Bandwidth**

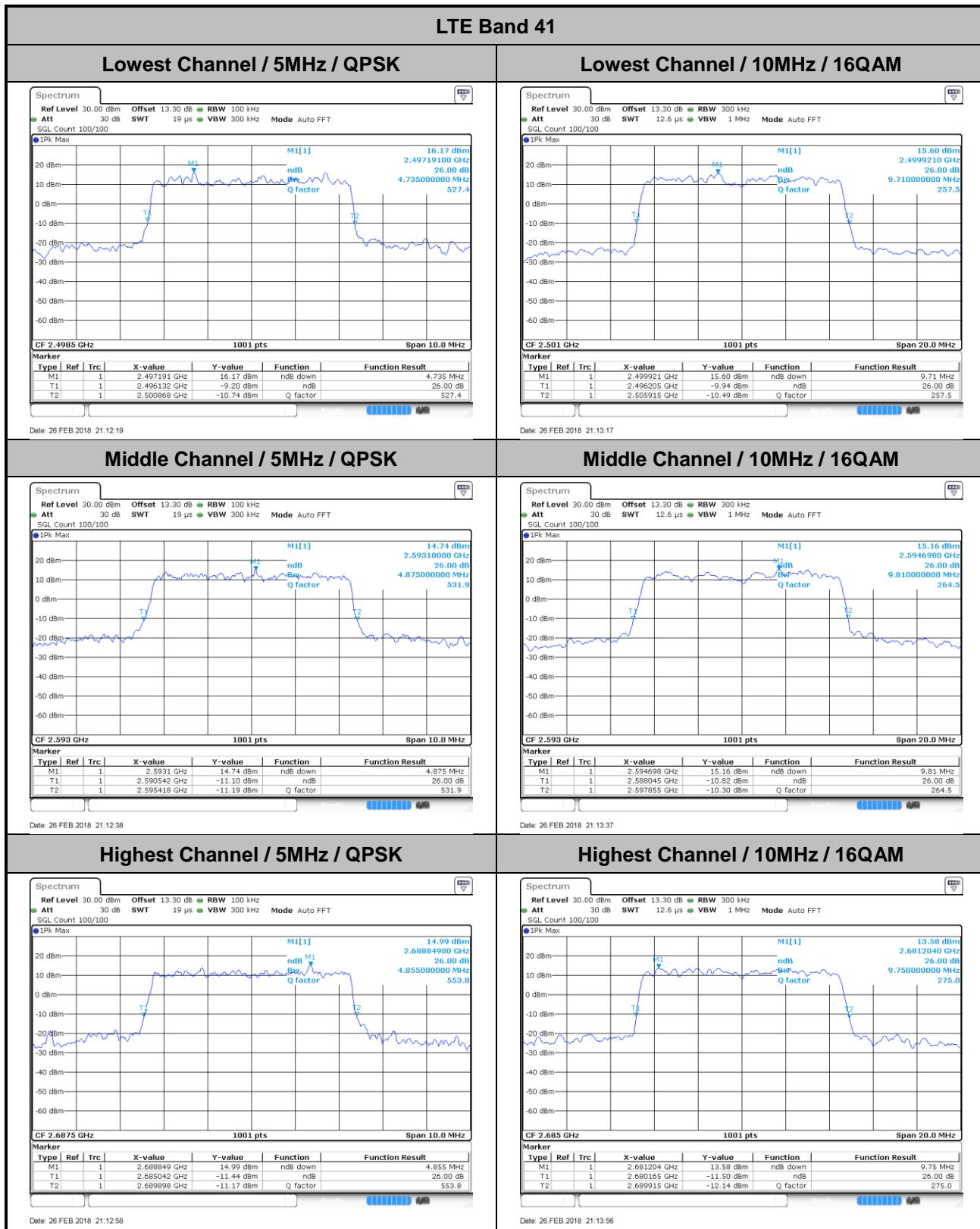
| Mode       | LTE Band 41 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                       | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                          | -     | -     | -     | 4.95  | 4.88  | 9.85  | 9.61  | 14.15 | 14.21 | 20.02 | 20.26 |
| Middle CH  | -                          | -     | -     | -     | 4.87  | 4.84  | 9.63  | 9.65  | 14.15 | 14.45 | 19.98 | 20.14 |
| Highest CH | -                          | -     | -     | -     | 4.93  | 4.70  | 9.77  | 9.63  | 14.48 | 14.42 | 20.02 | 20.14 |
| Mode       | LTE Band 41 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                          | -     | -     | -     | 4.74  | -     | 9.71  | -     | 14.27 | -     | 20.06 | -     |
| Middle CH  | -                          | -     | -     | -     | 4.88  | -     | 9.81  | -     | 14.15 | -     | 19.98 | -     |
| Highest CH | -                          | -     | -     | -     | 4.86  | -     | 9.75  | -     | 14.24 | -     | 20.10 | -     |

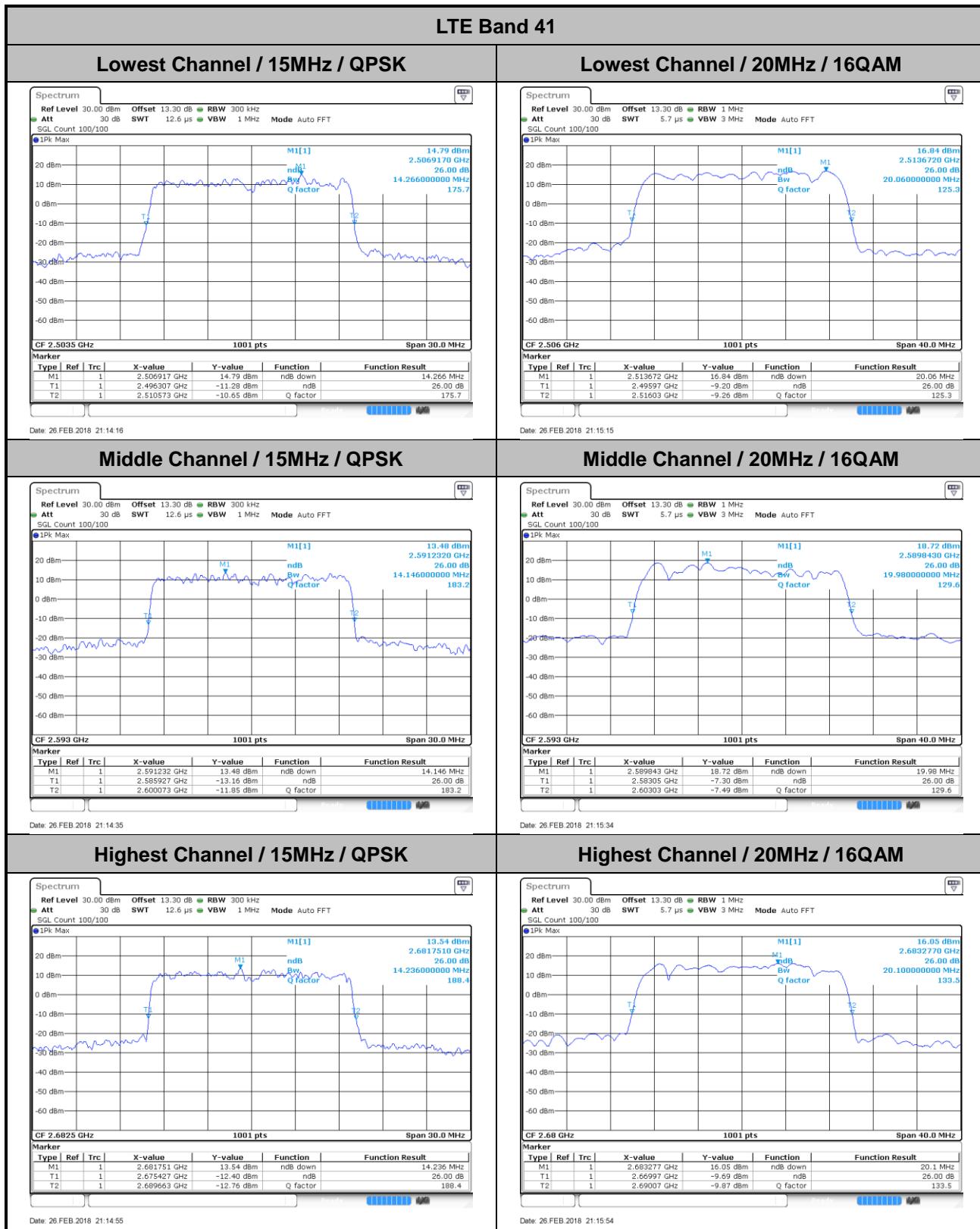












**Occupied Bandwidth**

| Mode       | LTE Band 41 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                         | -     | -    | -     | 4.50 | 4.49  | 8.97  | 8.93  | 13.40 | 13.40 | 18.26 | 18.30 |
| Middle CH  | -                         | -     | -    | -     | 4.48 | 4.52  | 9.03  | 9.03  | 13.37 | 13.37 | 18.30 | 18.38 |
| Highest CH | -                         | -     | -    | -     | 4.53 | 4.51  | 9.07  | 9.03  | 13.40 | 13.37 | 18.42 | 18.38 |

| Mode       | LTE Band 41 : 99%OBW(MHz) |   |       |   |       |   |       |   |       |   |       |   |
|------------|---------------------------|---|-------|---|-------|---|-------|---|-------|---|-------|---|
| BW         | 1.4MHz                    |   | 3MHz  |   | 5MHz  |   | 10MHz |   | 15MHz |   | 20MHz |   |
| Mod.       | 64QAM                     |   | 64QAM |   | 64QAM |   | 64QAM |   | 64QAM |   | 64QAM |   |
| Lowest CH  | -                         | - | -     | - | 4.49  | - | 8.99  | - | 13.46 | - | 18.26 | - |
| Middle CH  | -                         | - | -     | - | 4.51  | - | 9.01  | - | 13.40 | - | 18.38 | - |
| Highest CH | -                         | - | -     | - | 4.51  | - | 9.01  | - | 13.40 | - | 18.34 | - |

