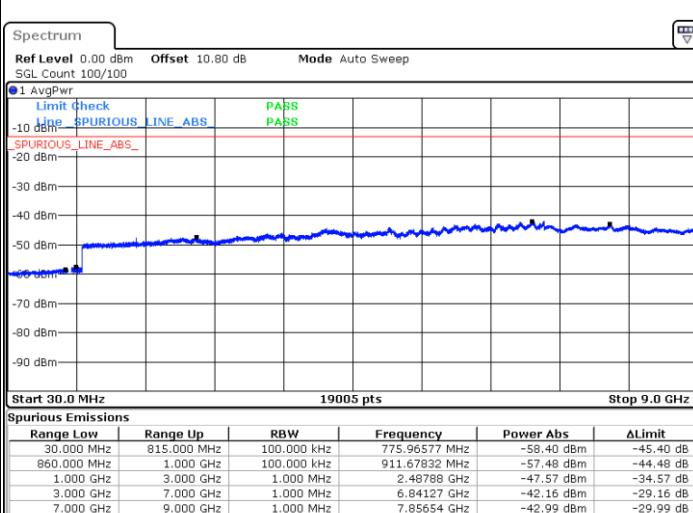
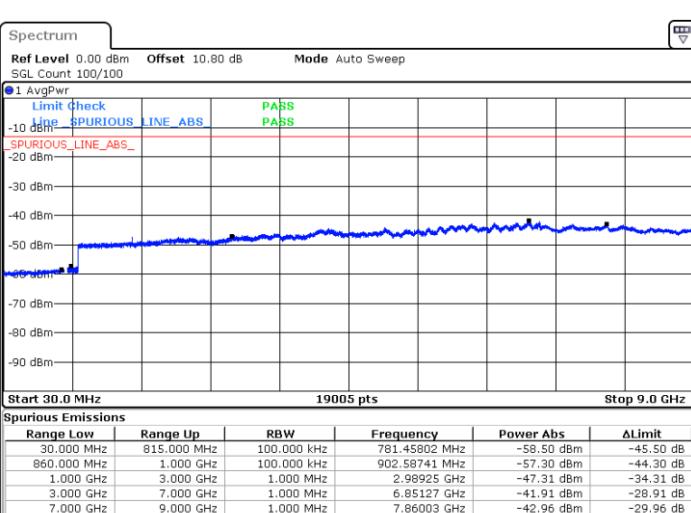




## LTE Band 5 / 1.4MHz

## Highest Channel / QPSK

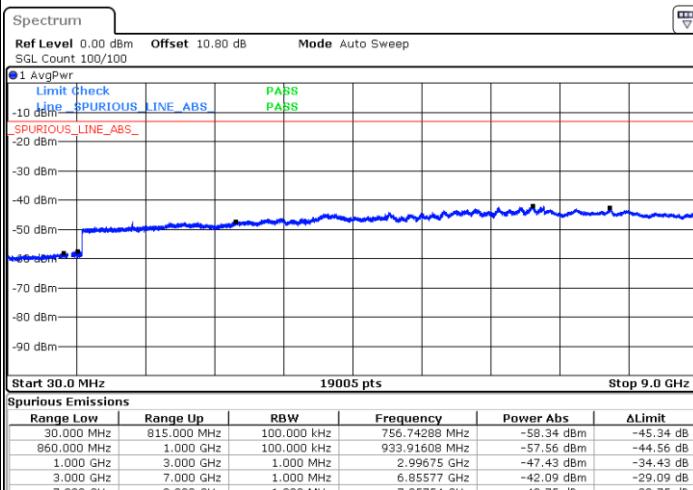
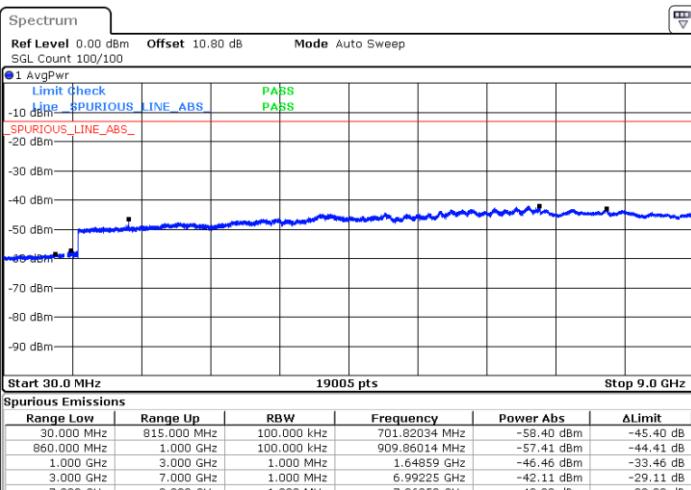
## Highest Channel / 16QAM

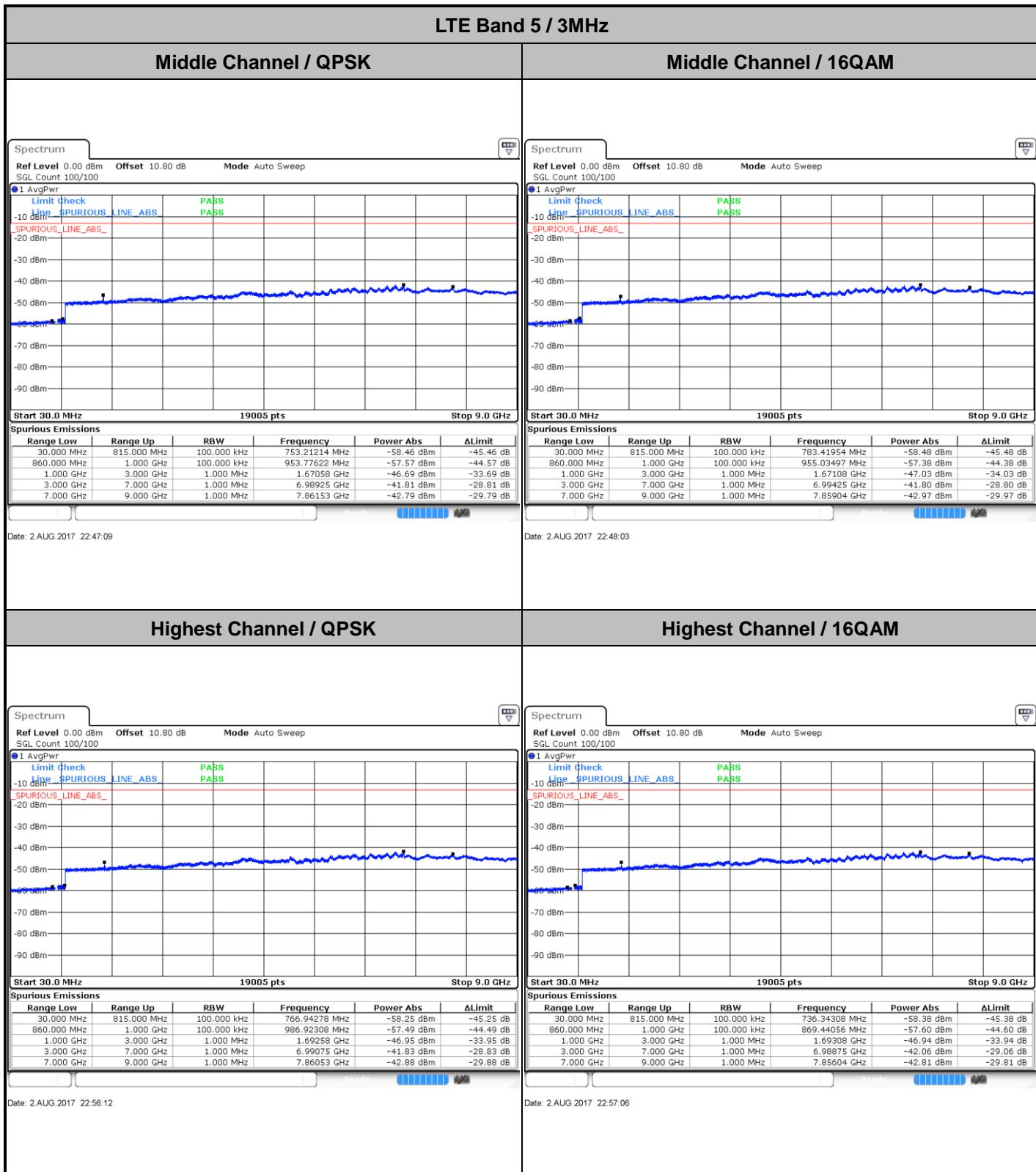


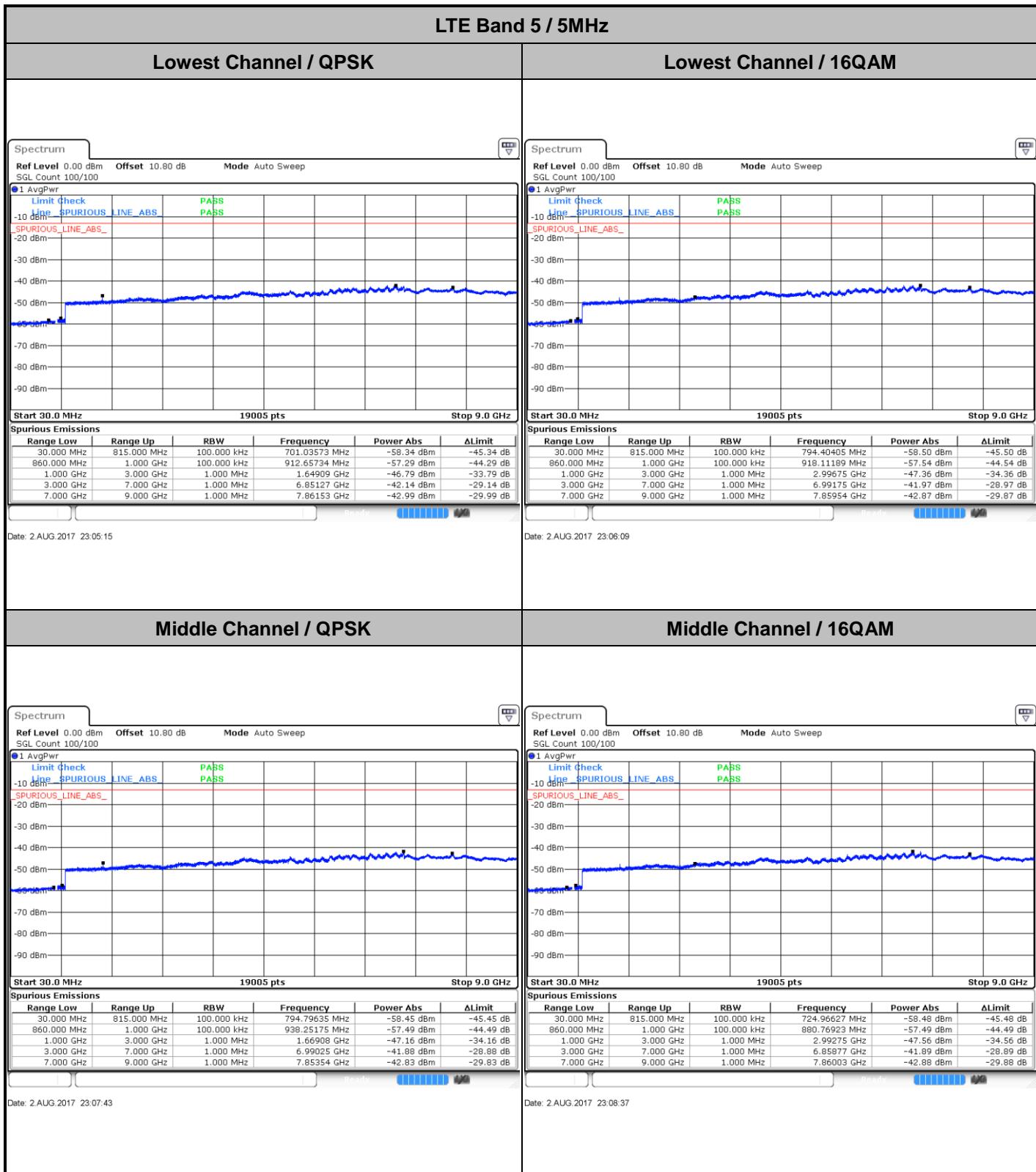
## LTE Band 5 / 3MHz

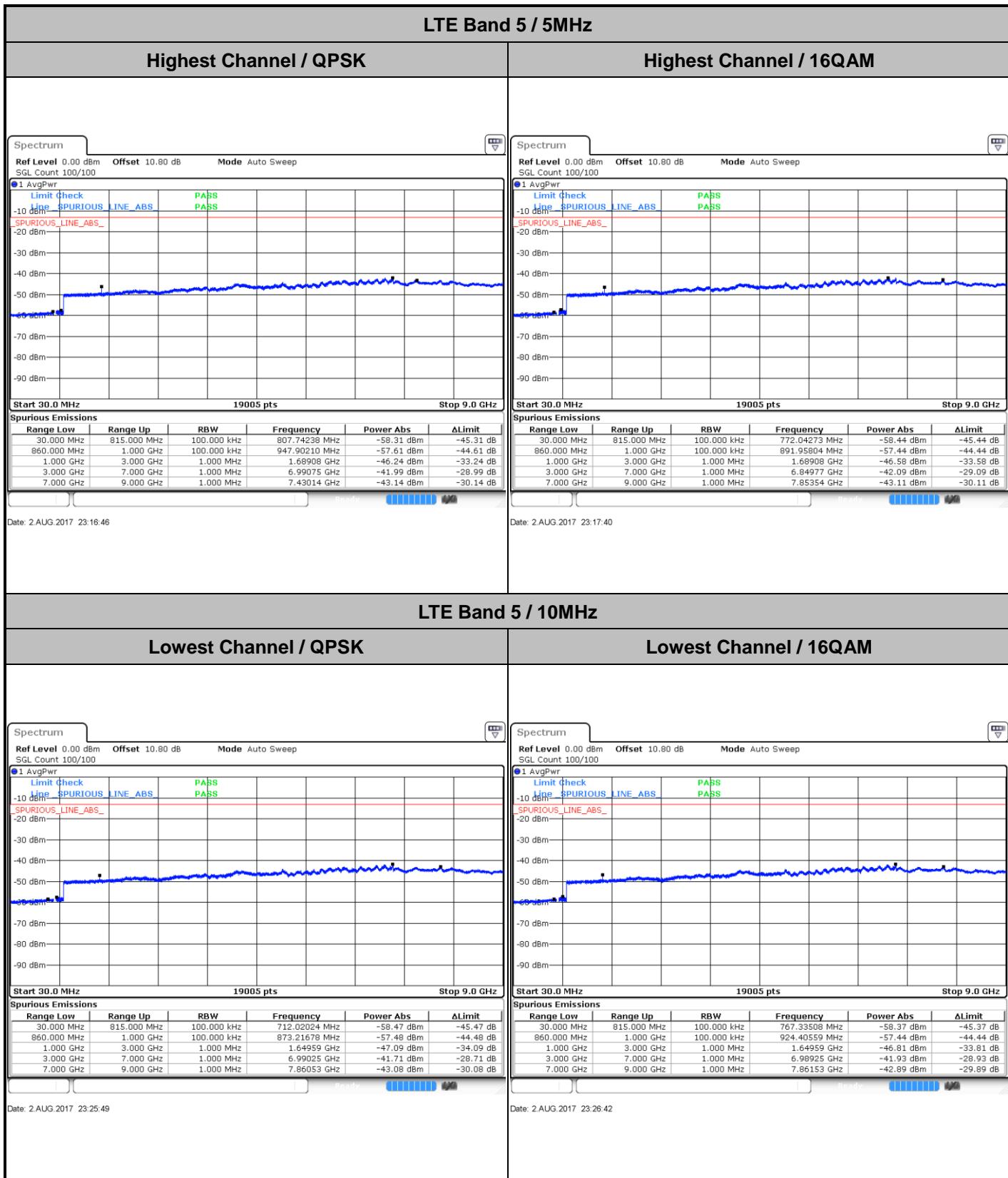
## Lowest Channel / QPSK

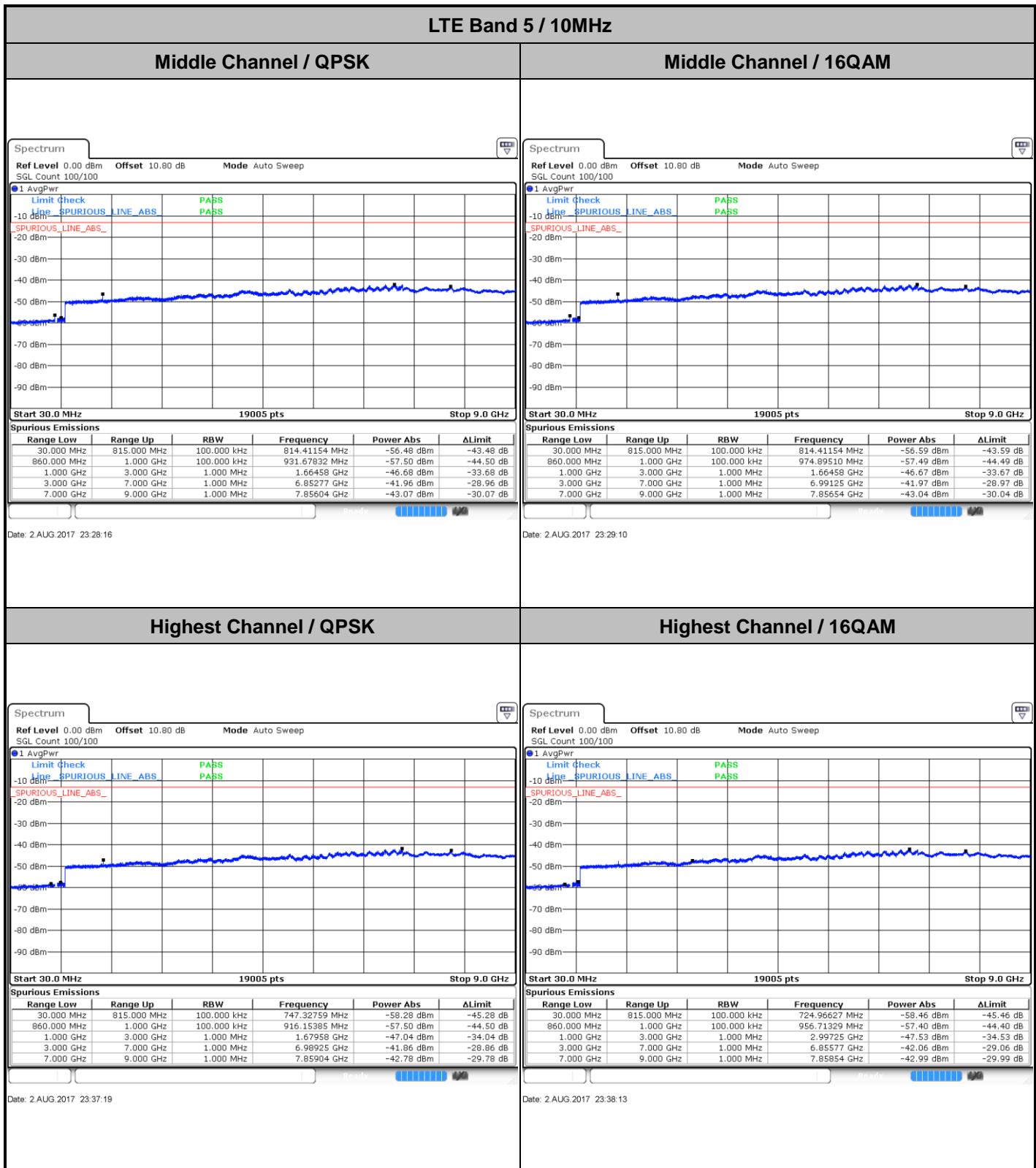
## Lowest Channel / 16QAM













## Frequency Stability

| Test Conditions     |                   | LTE Band 5 (QPSK) / Middle Channel | Limit  |
|---------------------|-------------------|------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | 2.5ppm |
|                     |                   | Deviation<br>(ppm)                 | Result |
| 50                  | Normal Voltage    | 0.0011                             | PASS   |
| 40                  | Normal Voltage    | 0.0085                             |        |
| 30                  | Normal Voltage    | 0.0077                             |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |        |
| 10                  | Normal Voltage    | 0.0010                             |        |
| 0                   | Normal Voltage    | 0.0099                             |        |
| -10                 | Normal Voltage    | 0.0108                             |        |
| -20                 | Normal Voltage    | 0.0085                             |        |
| -30                 | Normal Voltage    | 0.0011                             |        |
| 20                  | Maximum Voltage   | 0.0007                             |        |
| 20                  | Normal Voltage    | 0.0000                             |        |
| 20                  | Battery End Point | 0.0078                             |        |

**Note:**

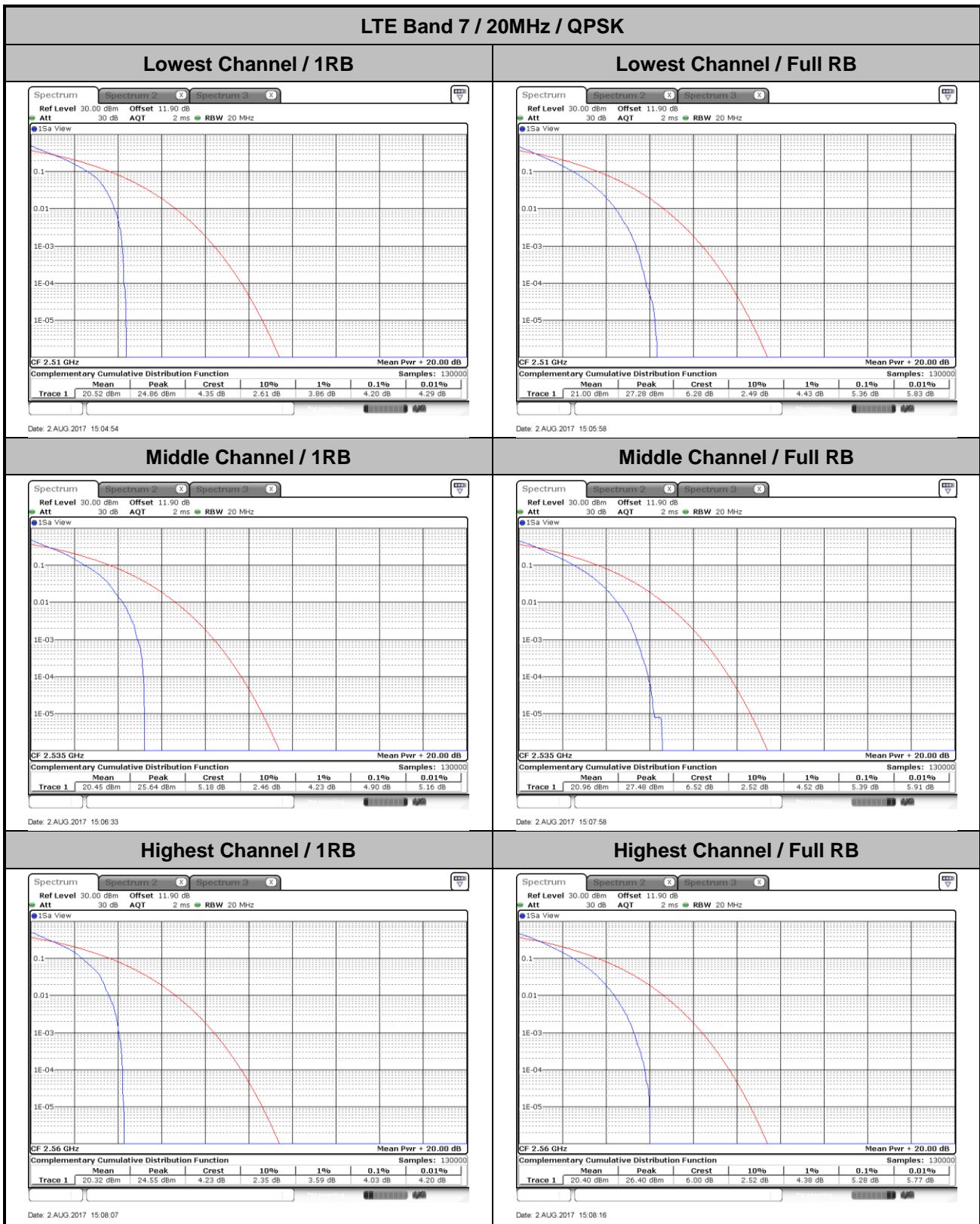
1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

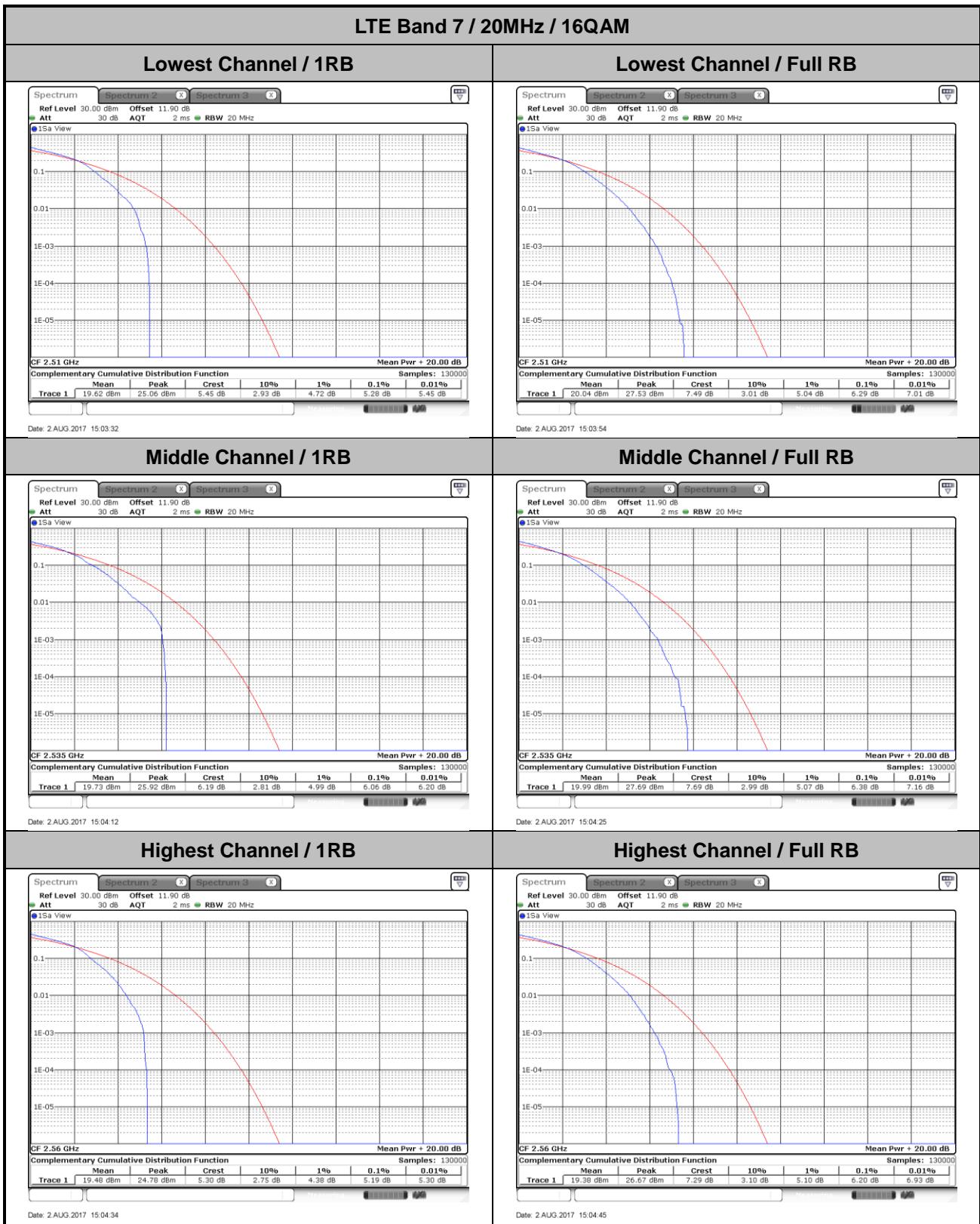


## LTE Band 7

### Peak-to-Average Ratio

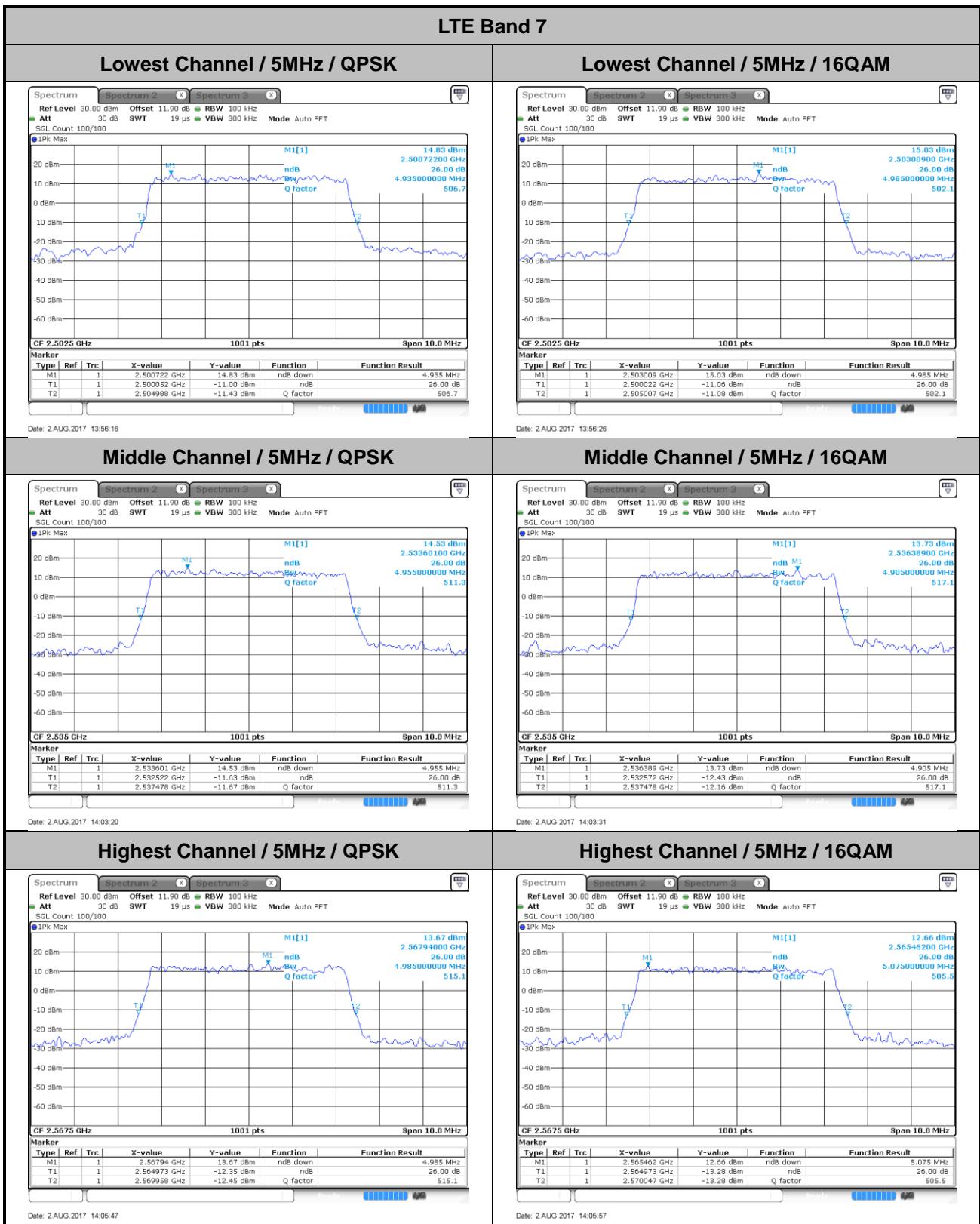
| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.2                | 5.36    | 5.28  | 6.29    | PASS        |
| Middle CH  | 4.9                | 5.39    | 6.06  | 6.38    |             |
| Highest CH | 4.03               | 5.28    | 5.19  | 6.2     |             |

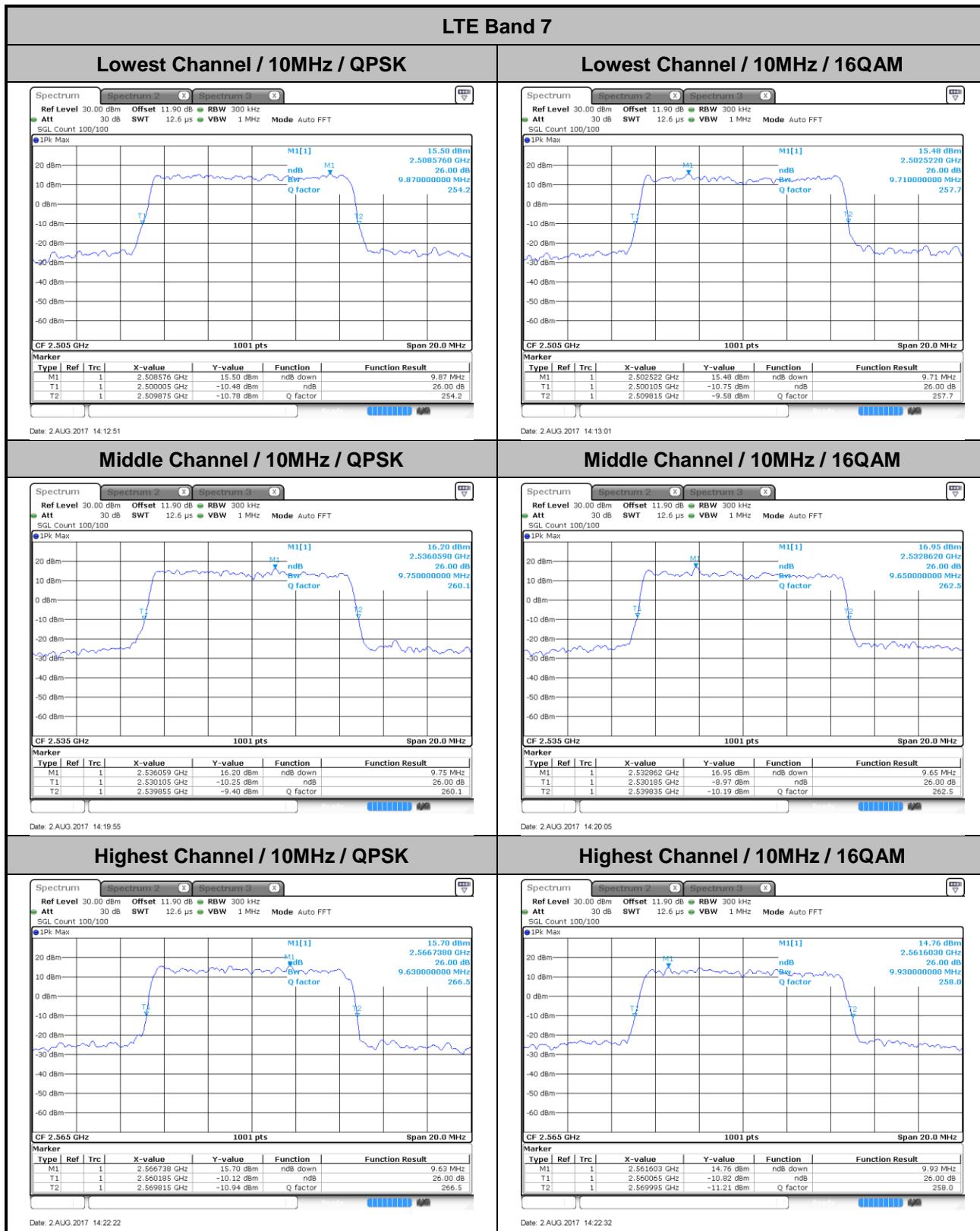


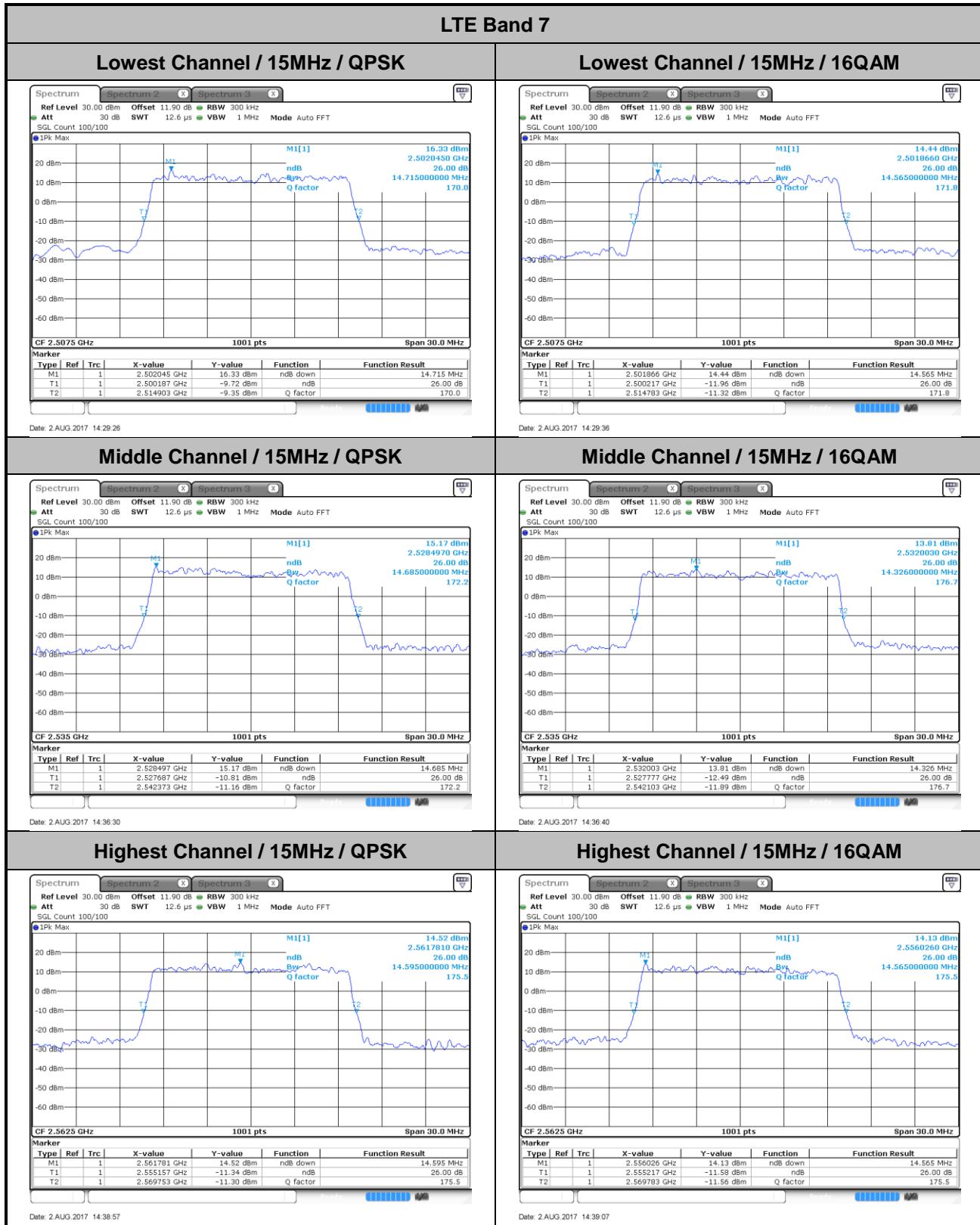


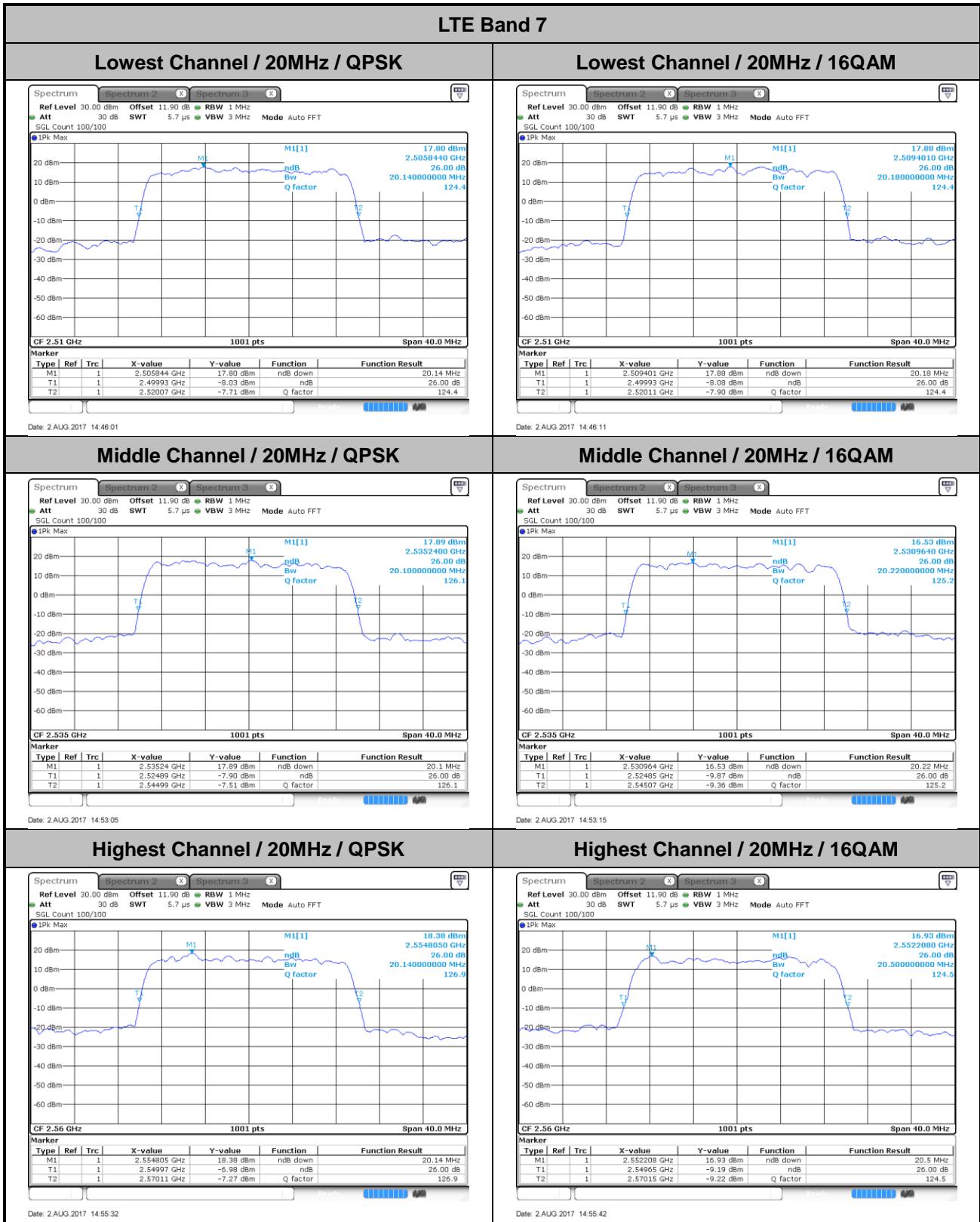
**26dB Bandwidth**

| Mode       | LTE Band 7 : 26dB BW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
|            | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                         | -     | -    | -     | 4.94 | 4.99  | 9.87  | 9.71  | 14.72 | 14.57 | 20.14 | 20.18 |
| Middle CH  | -                         | -     | -    | -     | 4.96 | 4.91  | 9.75  | 9.65  | 14.69 | 14.33 | 20.10 | 20.22 |
| Highest CH | -                         | -     | -    | -     | 4.99 | 5.08  | 9.63  | 9.93  | 14.60 | 14.57 | 20.14 | 20.50 |



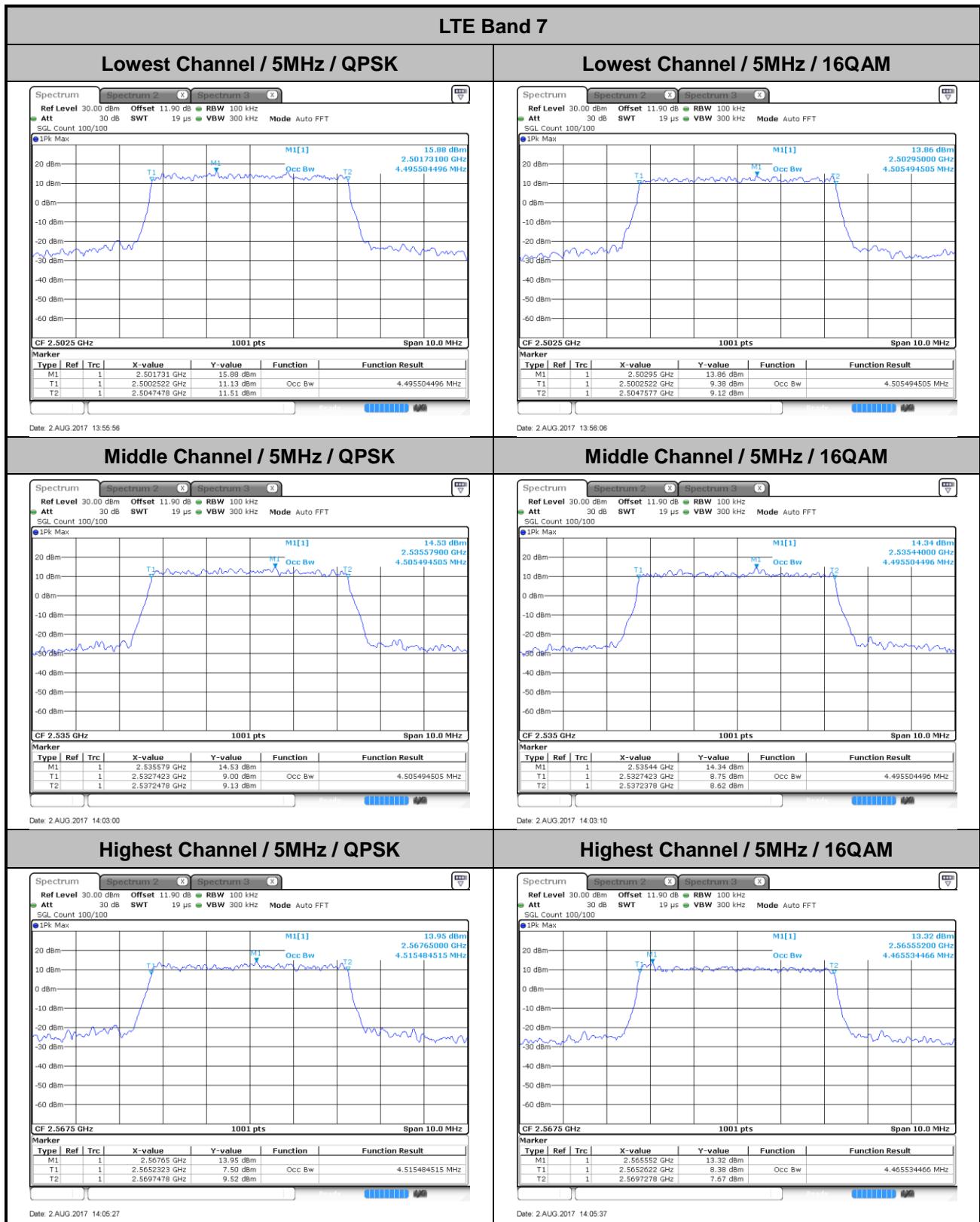


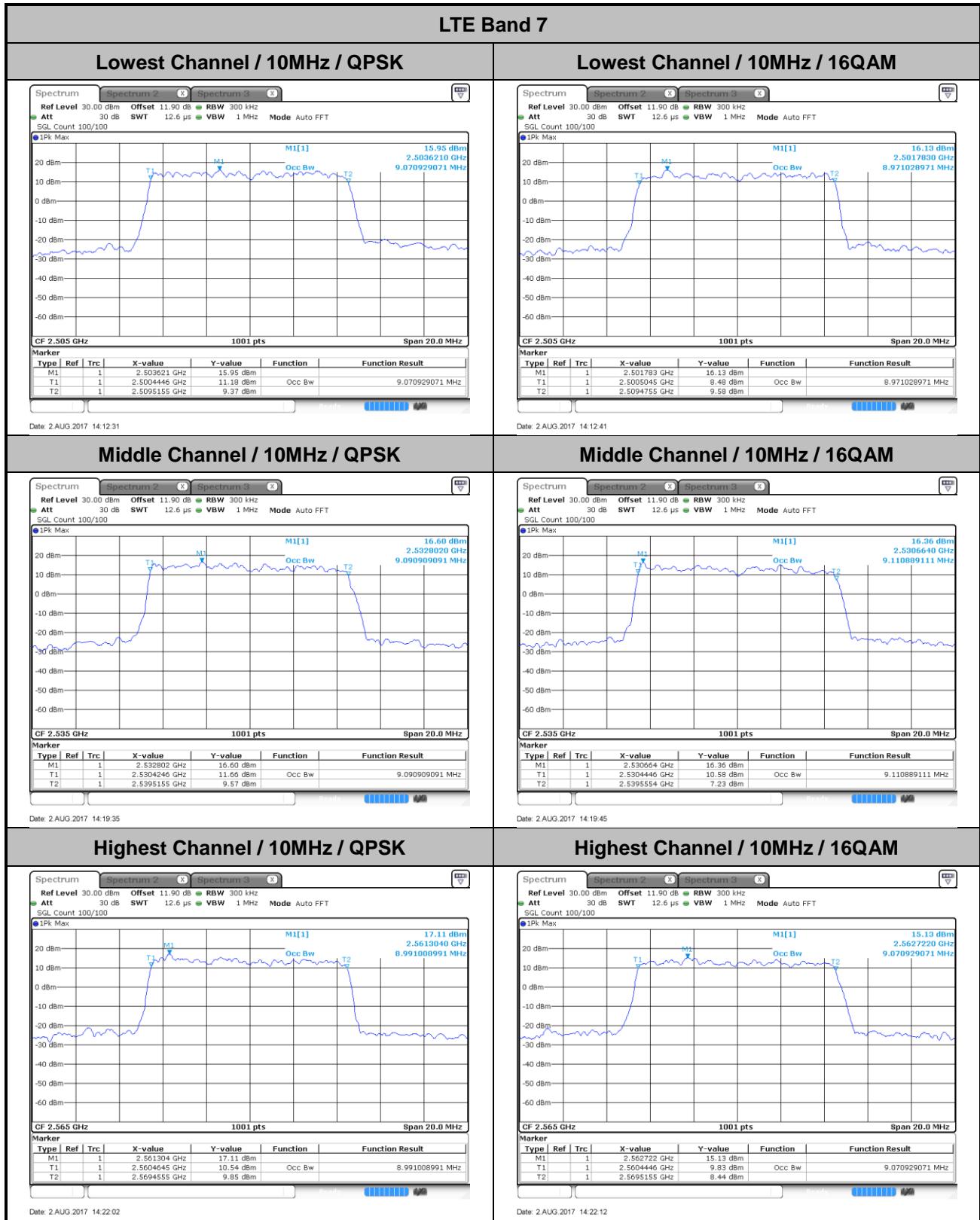


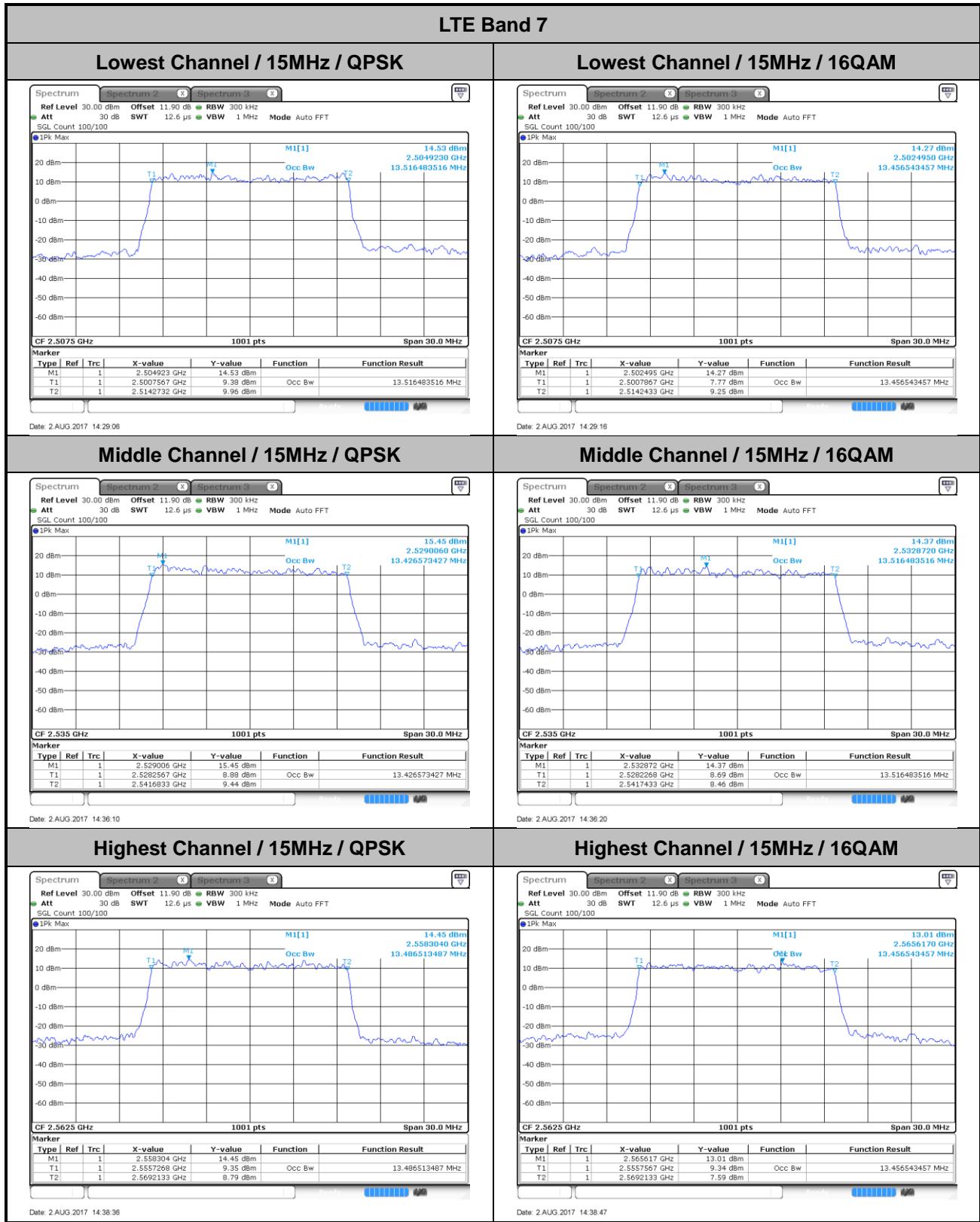


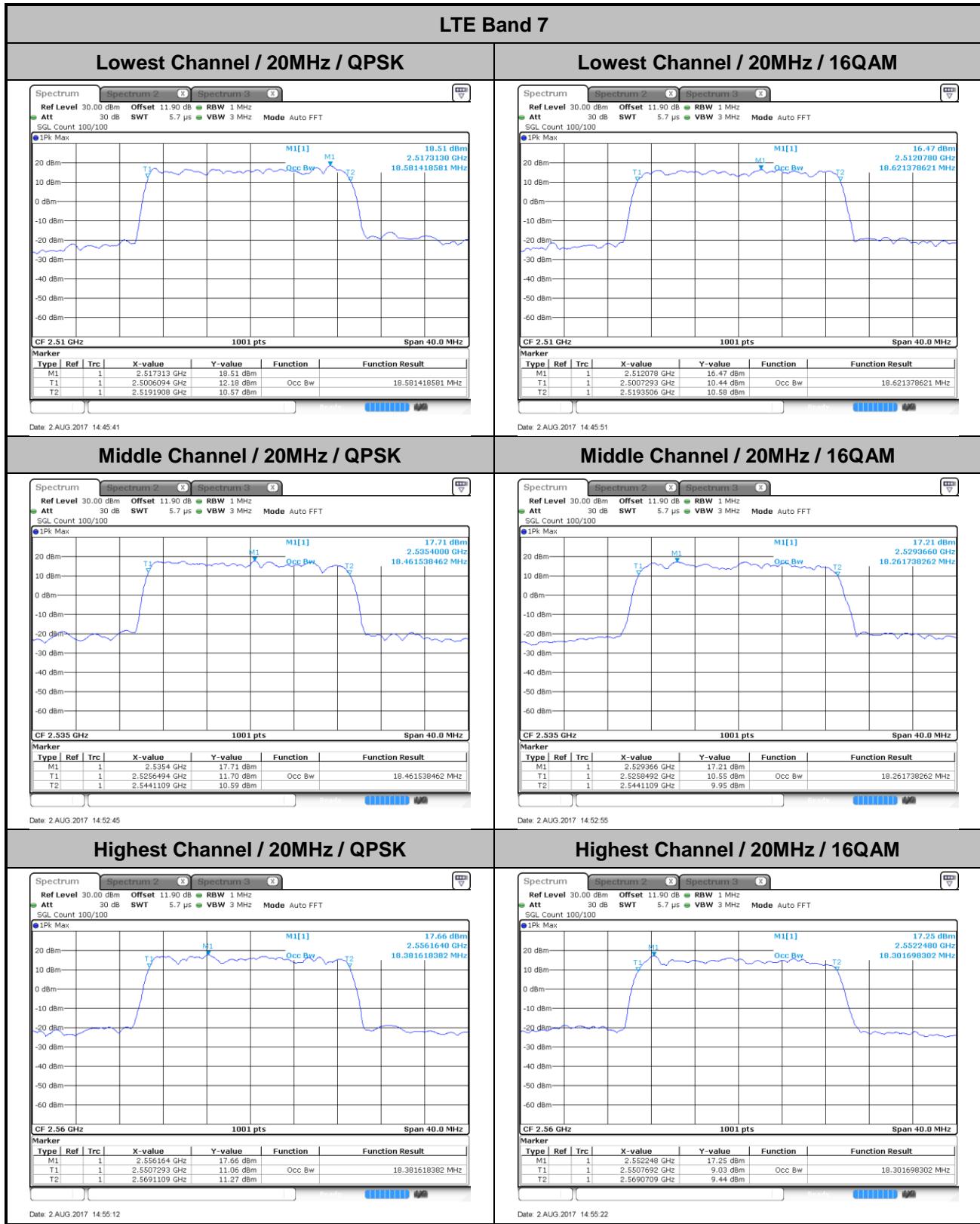
**Occupied Bandwidth**

| Mode       | LTE Band 7 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
|            | 1.4MHz                   |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                     | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                        | -     | -    | -     | 4.5  | 4.51  | 9.07  | 8.97  | 13.52 | 13.46 | 18.58 | 18.62 |
| Middle CH  | -                        | -     | -    | -     | 4.51 | 4.5   | 9.09  | 9.11  | 13.43 | 13.52 | 18.46 | 18.26 |
| Highest CH | -                        | -     | -    | -     | 4.52 | 4.47  | 8.99  | 9.07  | 13.49 | 13.46 | 18.38 | 18.3  |











## Conducted Band Edge

