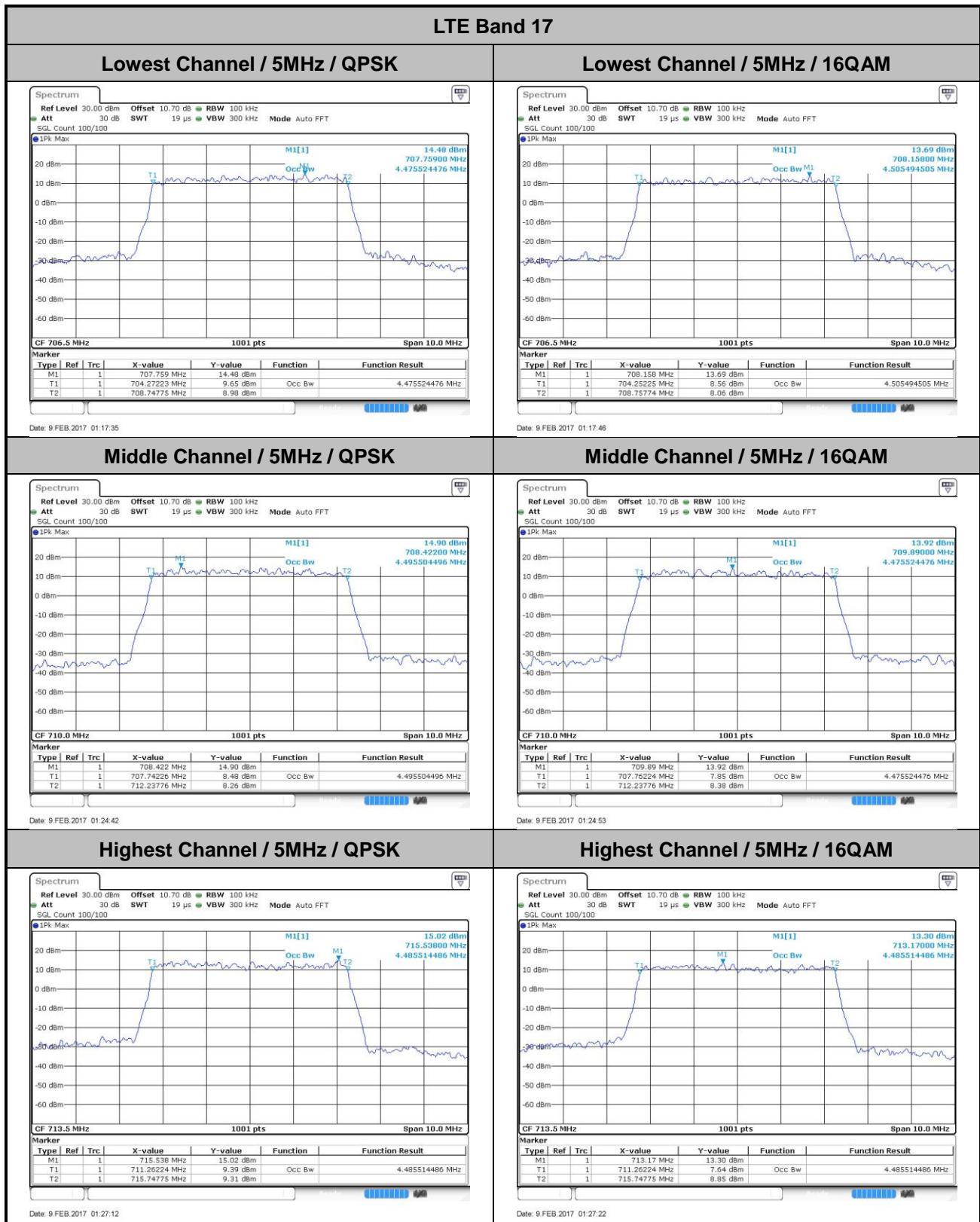
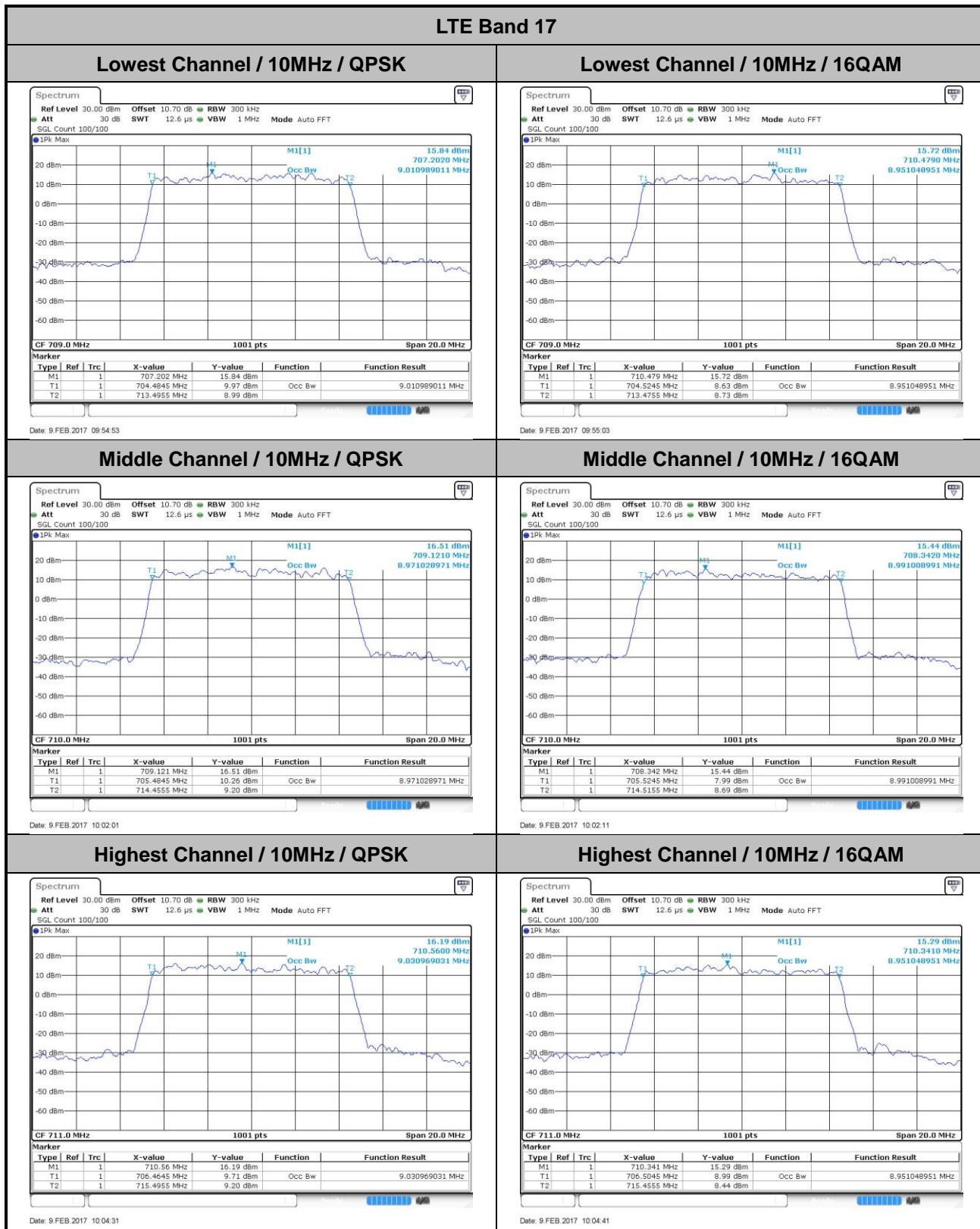


**Occupied Bandwidth**

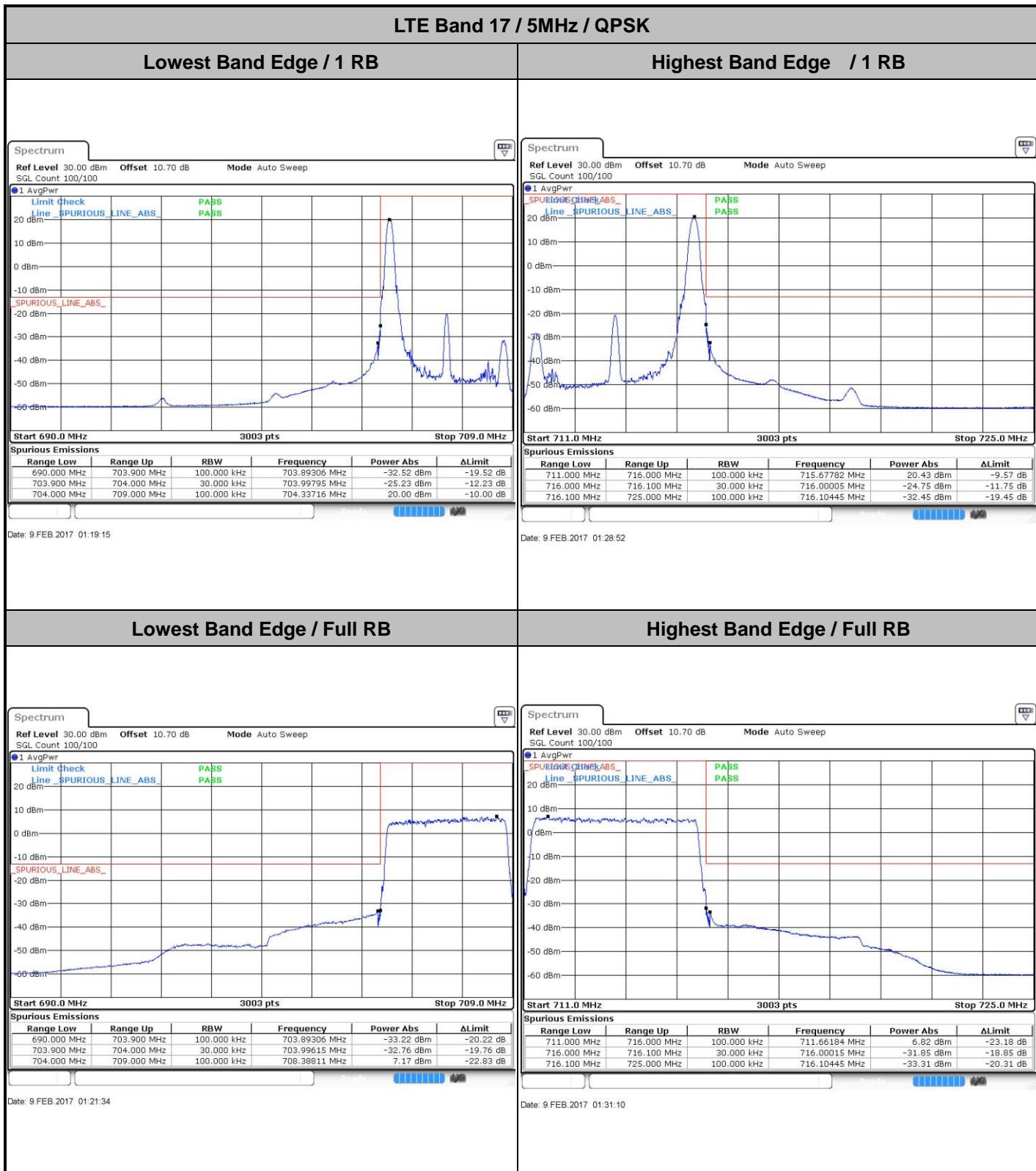
| Mode | LTE Band 17 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.48 | 4.51 | 9.01 | 8.95 | - | - | - | - |
| Middle CH | - | - | - | - | 4.5 | 4.48 | 8.97 | 8.99 | - | - | - | - |
| Highest CH | - | - | - | - | 4.49 | 4.49 | 9.03 | 8.95 | - | - | - | - |

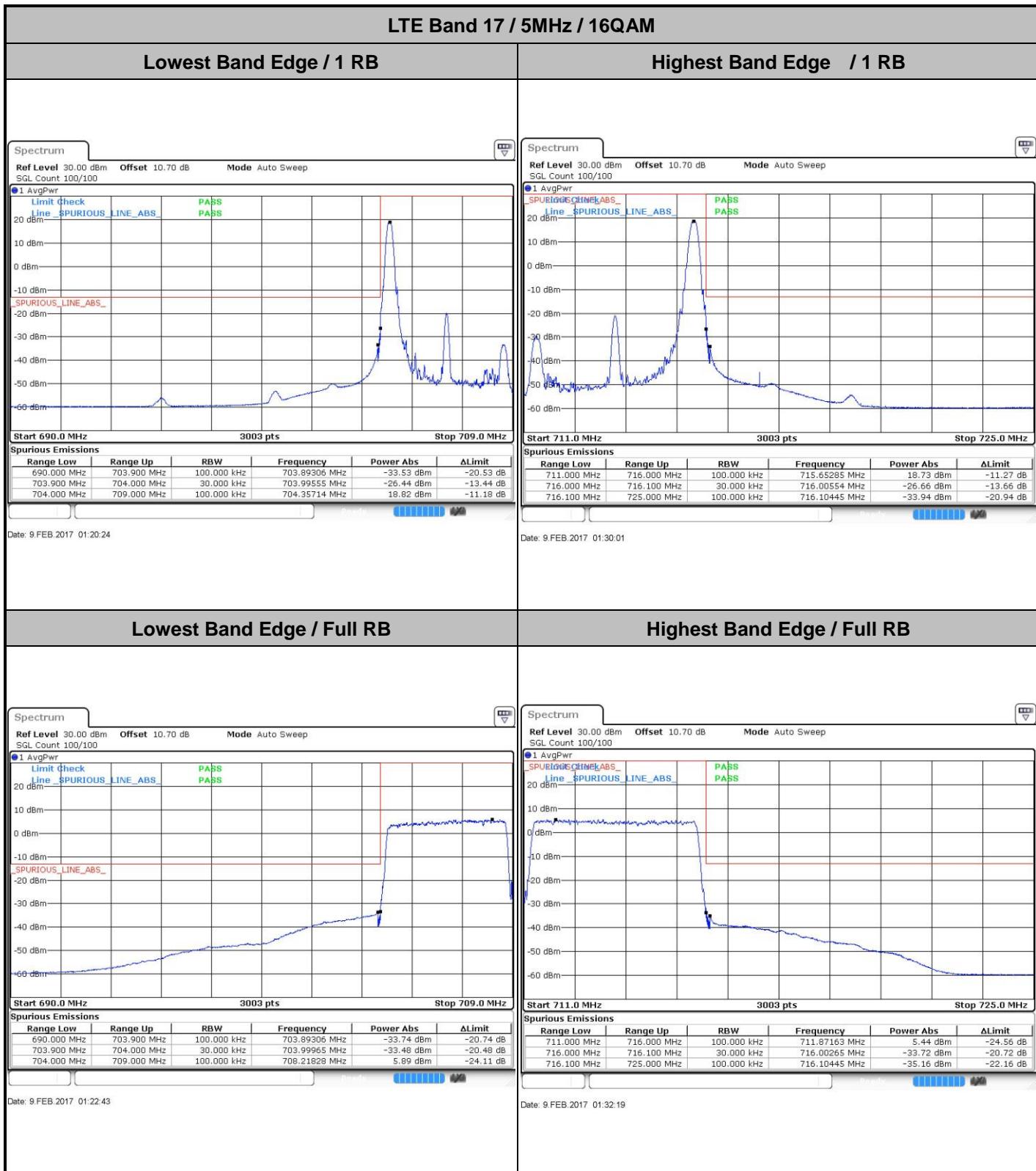


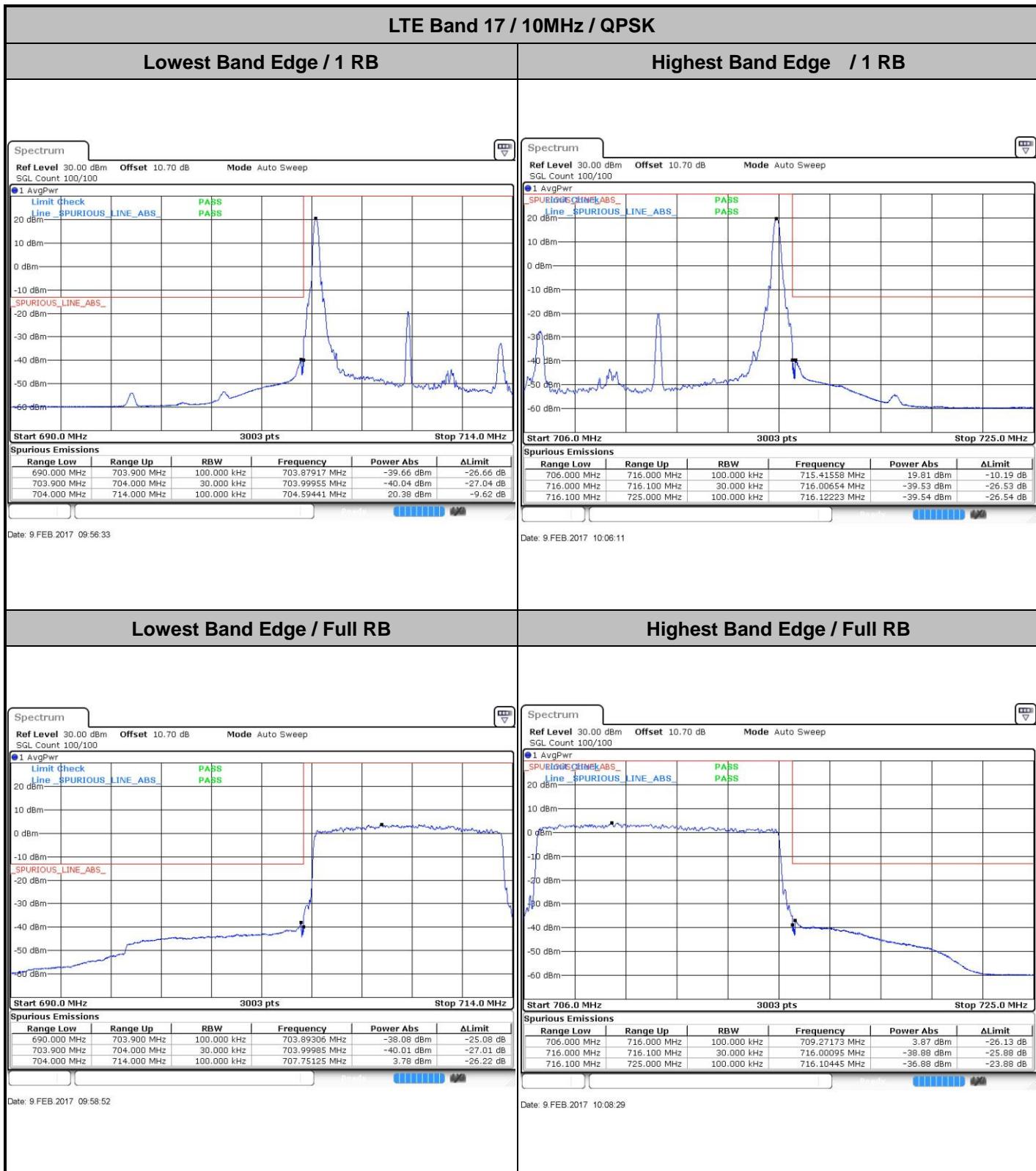


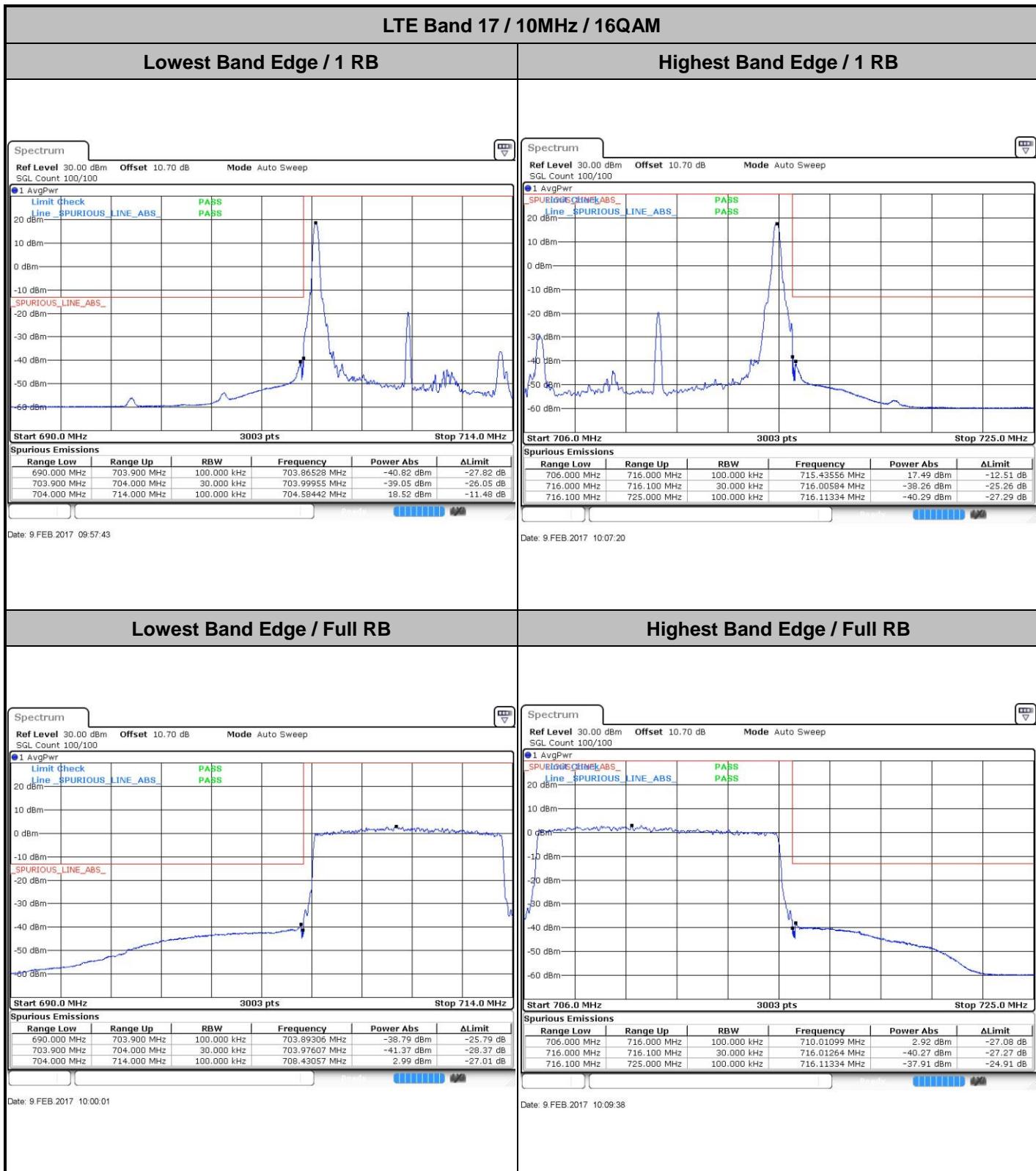


Conducted Band Edge



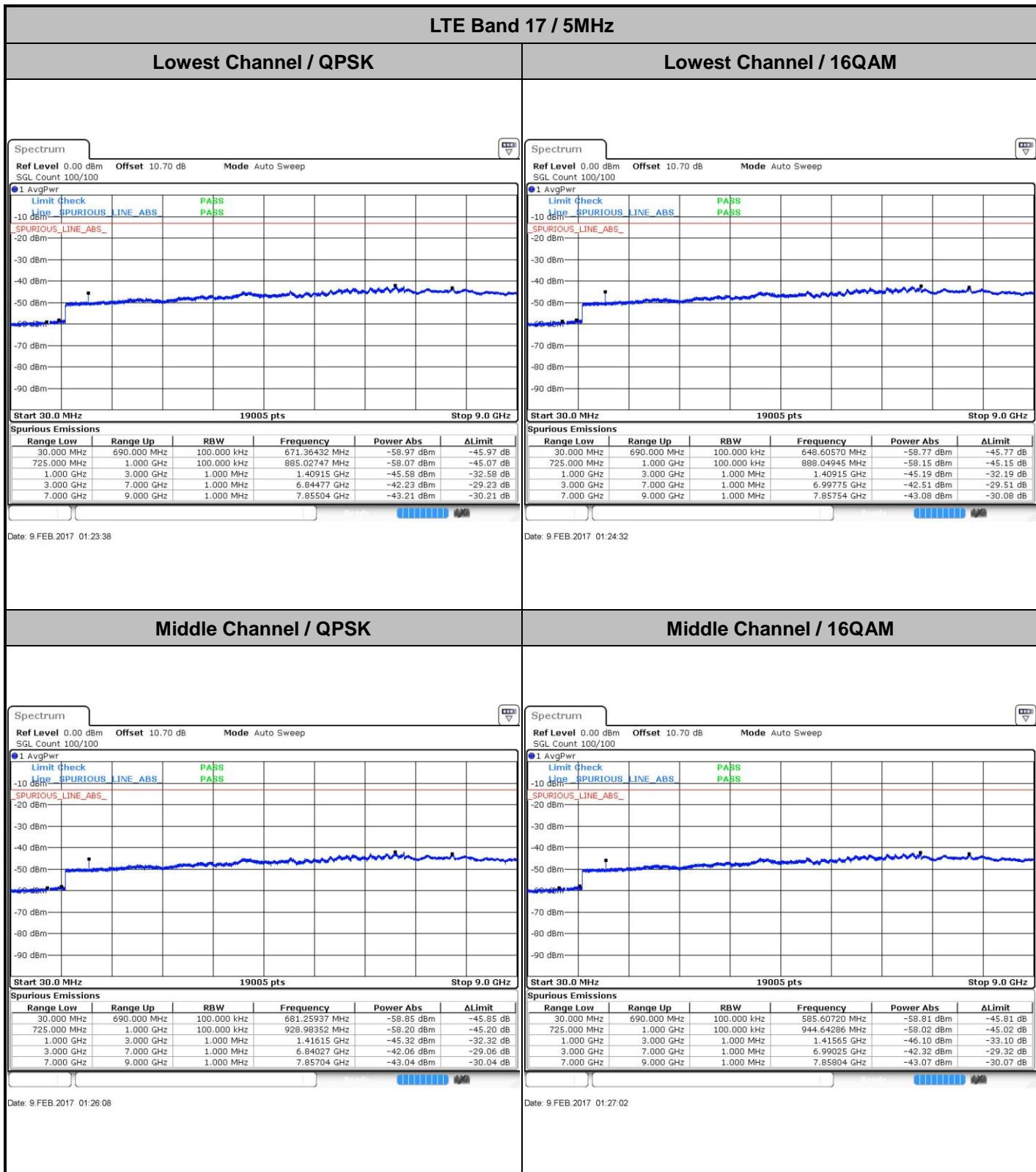








Conducted Spurious Emission

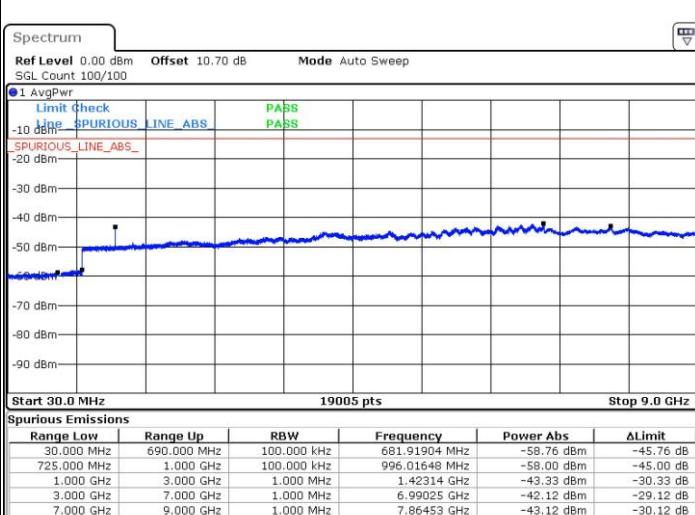
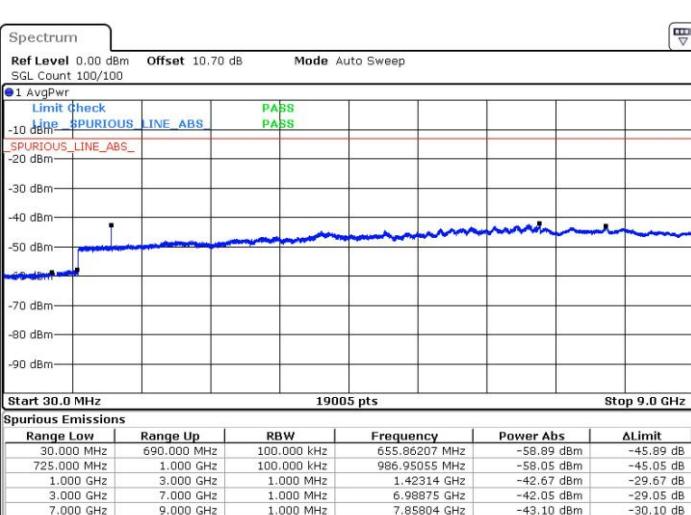




LTE Band 17 / 5MHz

Highest Channel / QPSK

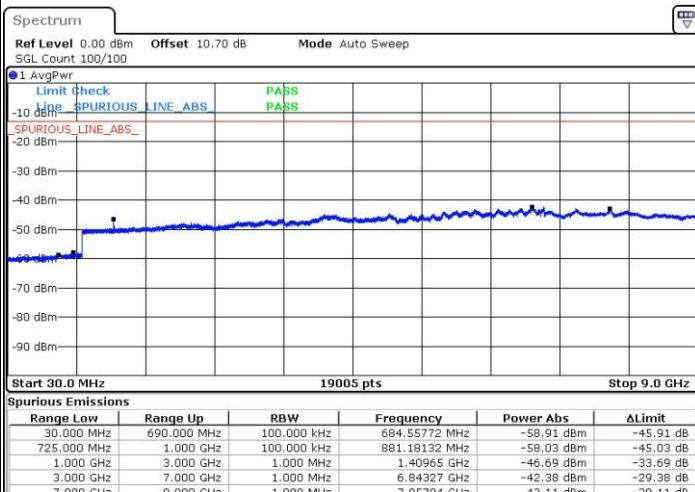
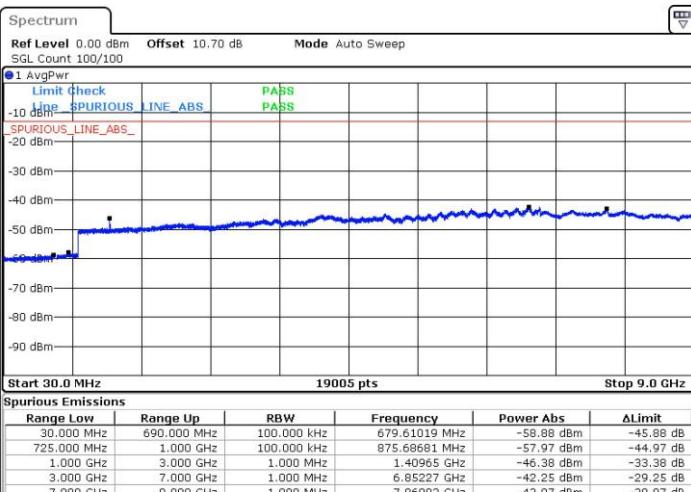
Highest Channel / 16QAM



LTE Band 17 / 10MHz

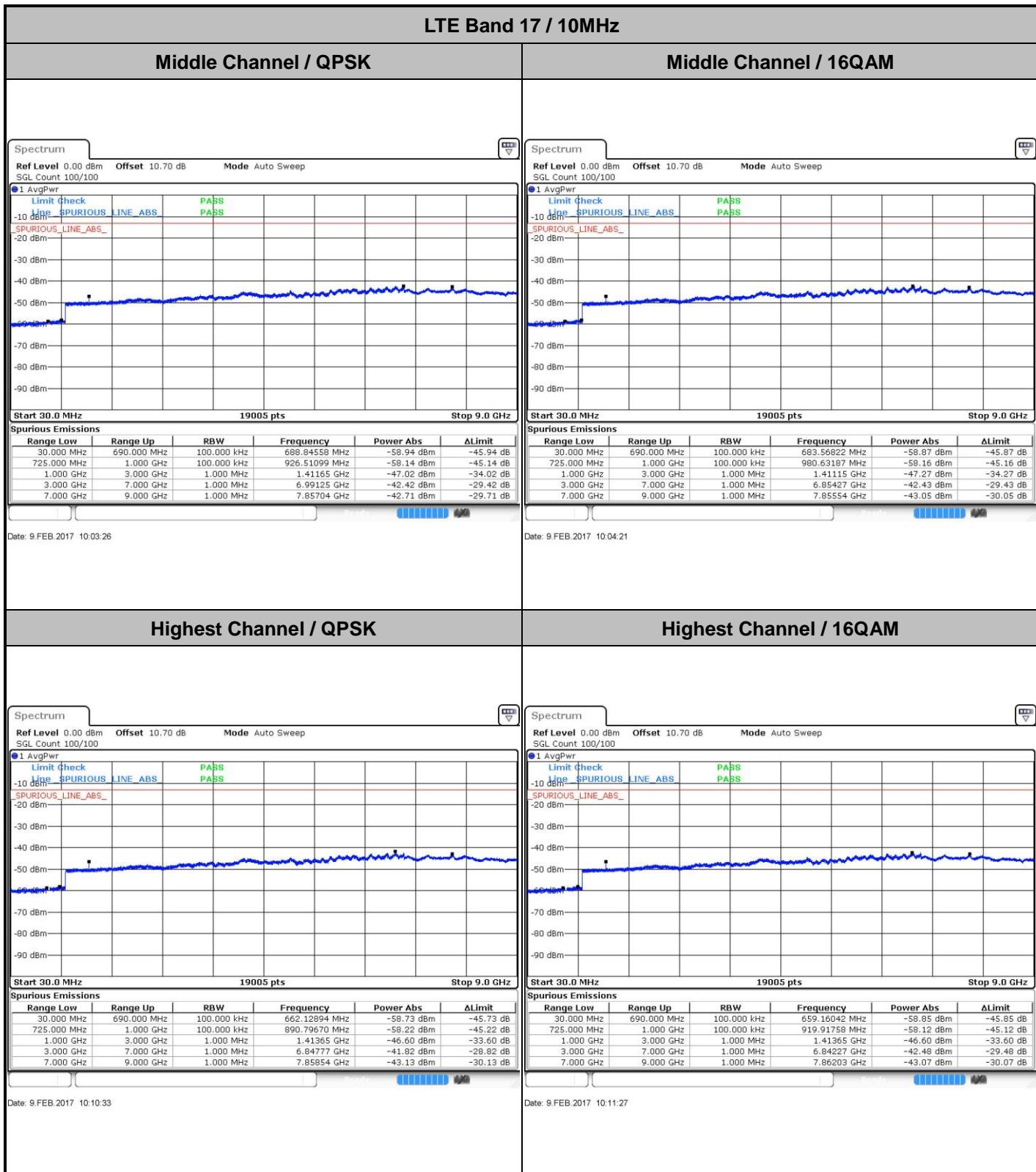
Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 9.FEB.2017 01:33:14

Date: 9.FEB.2017 01:34:09





Frequency Stability

| Test Conditions | | LTE Band 17 (QPSK) / Middle Channel | Limit |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0011 | PASS |
| 40 | Normal Voltage | 0.0004 | |
| 30 | Normal Voltage | 0.0103 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0011 | |
| 0 | Normal Voltage | 0.0023 | |
| -10 | Normal Voltage | 0.0082 | |
| -20 | Normal Voltage | 0.0017 | |
| -30 | Normal Voltage | 0.0010 | |
| 20 | Maximum Voltage | 0.0080 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0061 | |

Note:

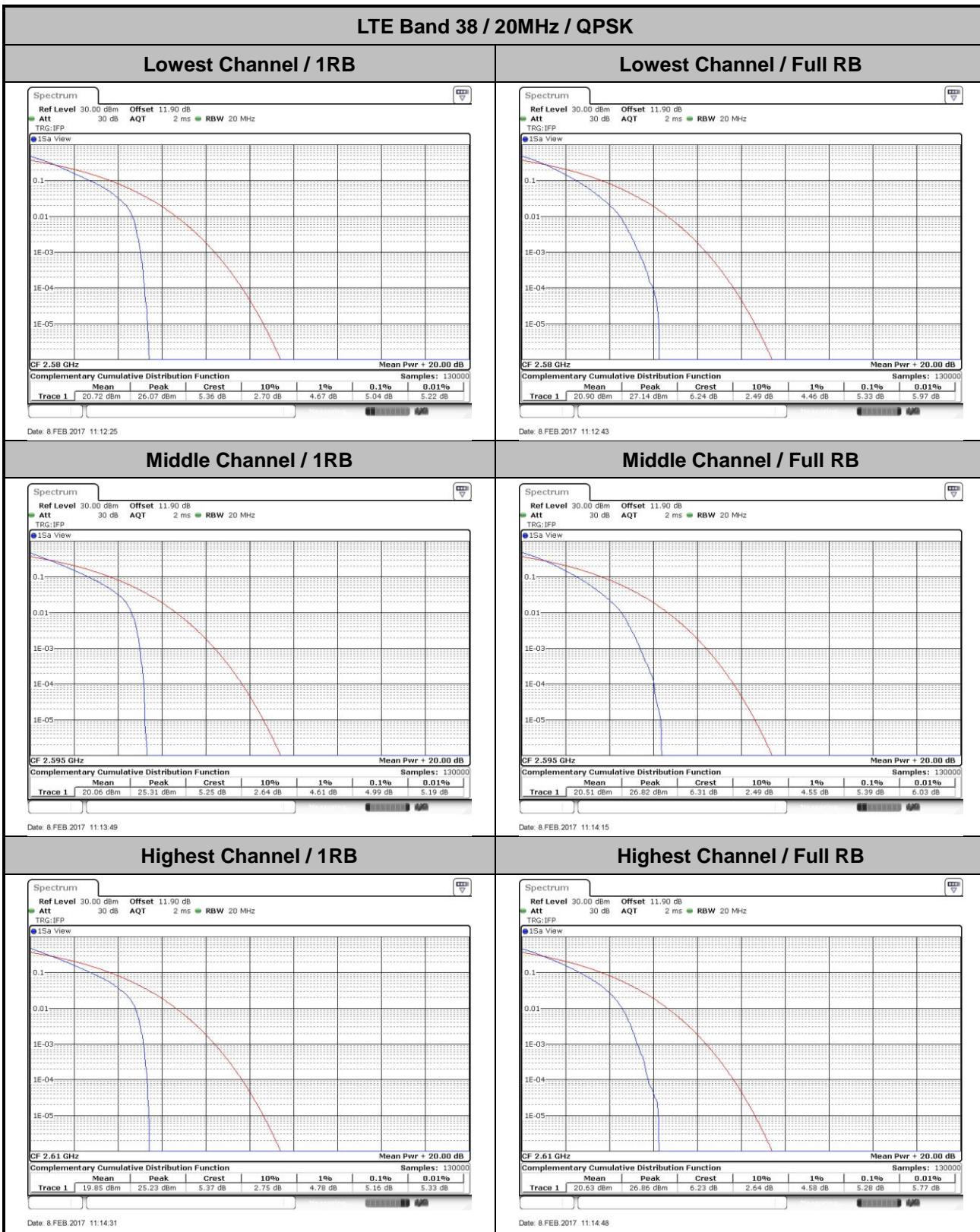
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

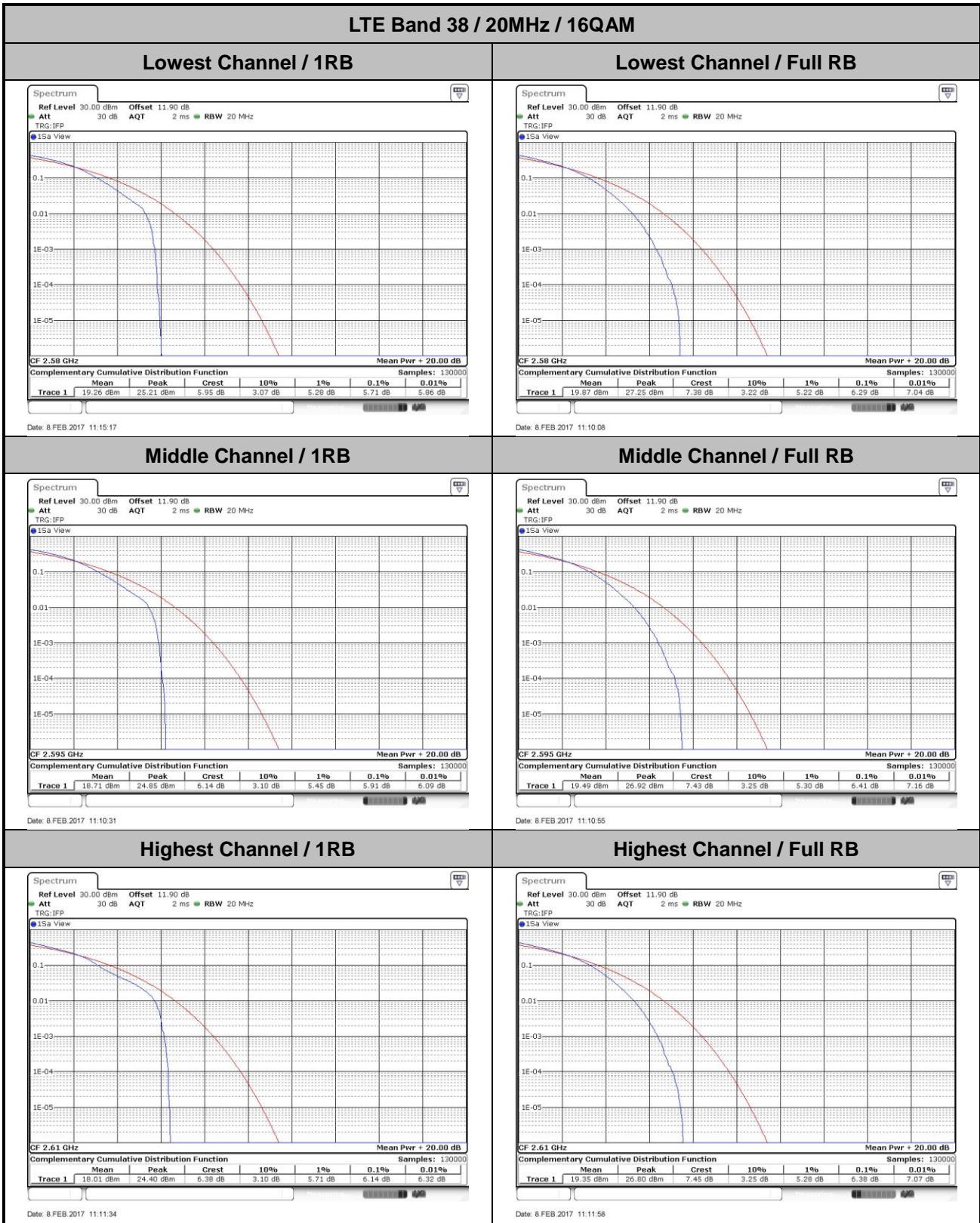


LTE Band 38

Peak-to-Average Ratio

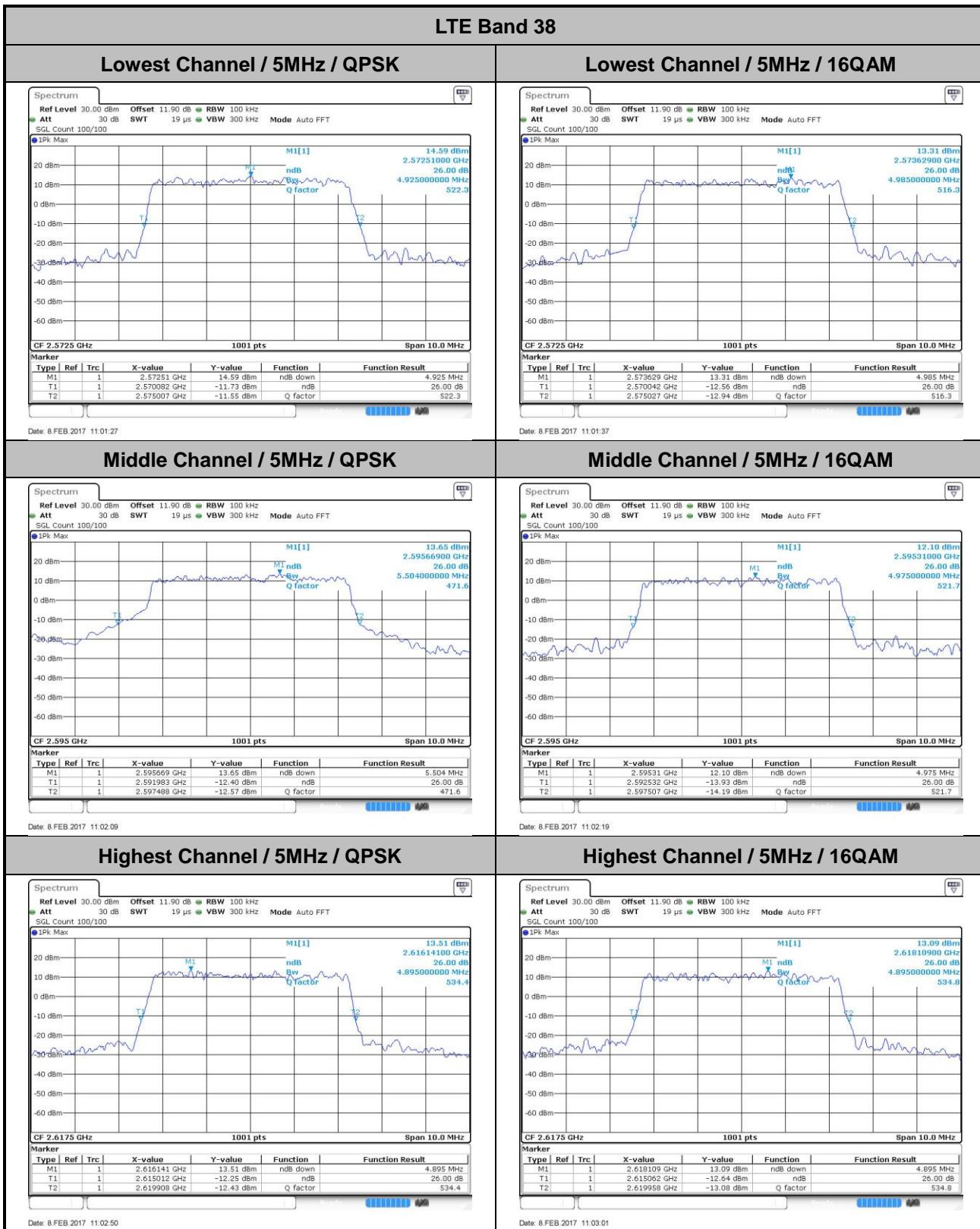
| Mode | LTE Band 38 / 20MHz | | | | |
|------------|---------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 5.04 | 5.33 | 5.71 | 6.29 | PASS |
| Middle CH | 4.99 | 5.39 | 5.91 | 6.41 | |
| Highest CH | 5.16 | 5.28 | 6.14 | 6.38 | |

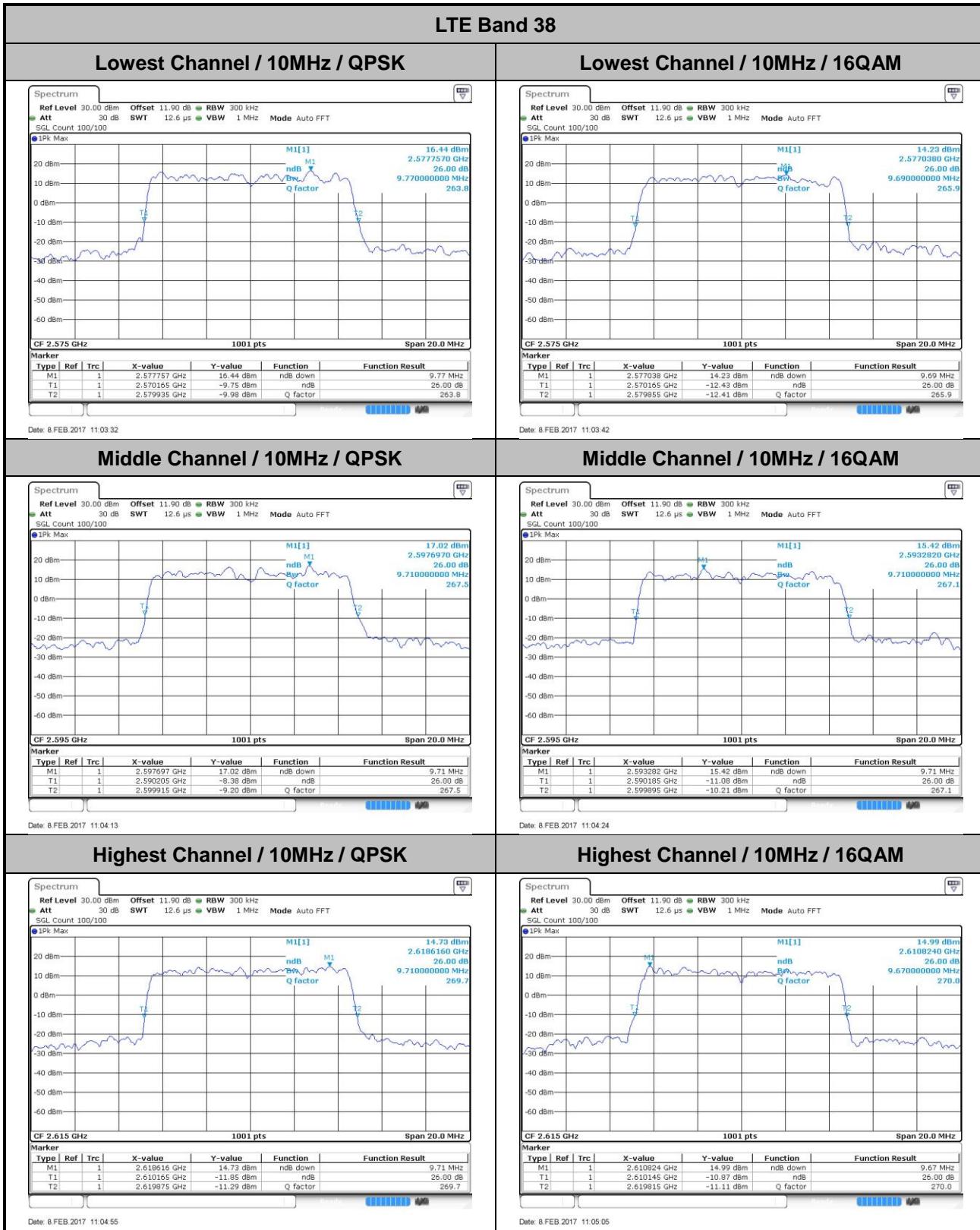


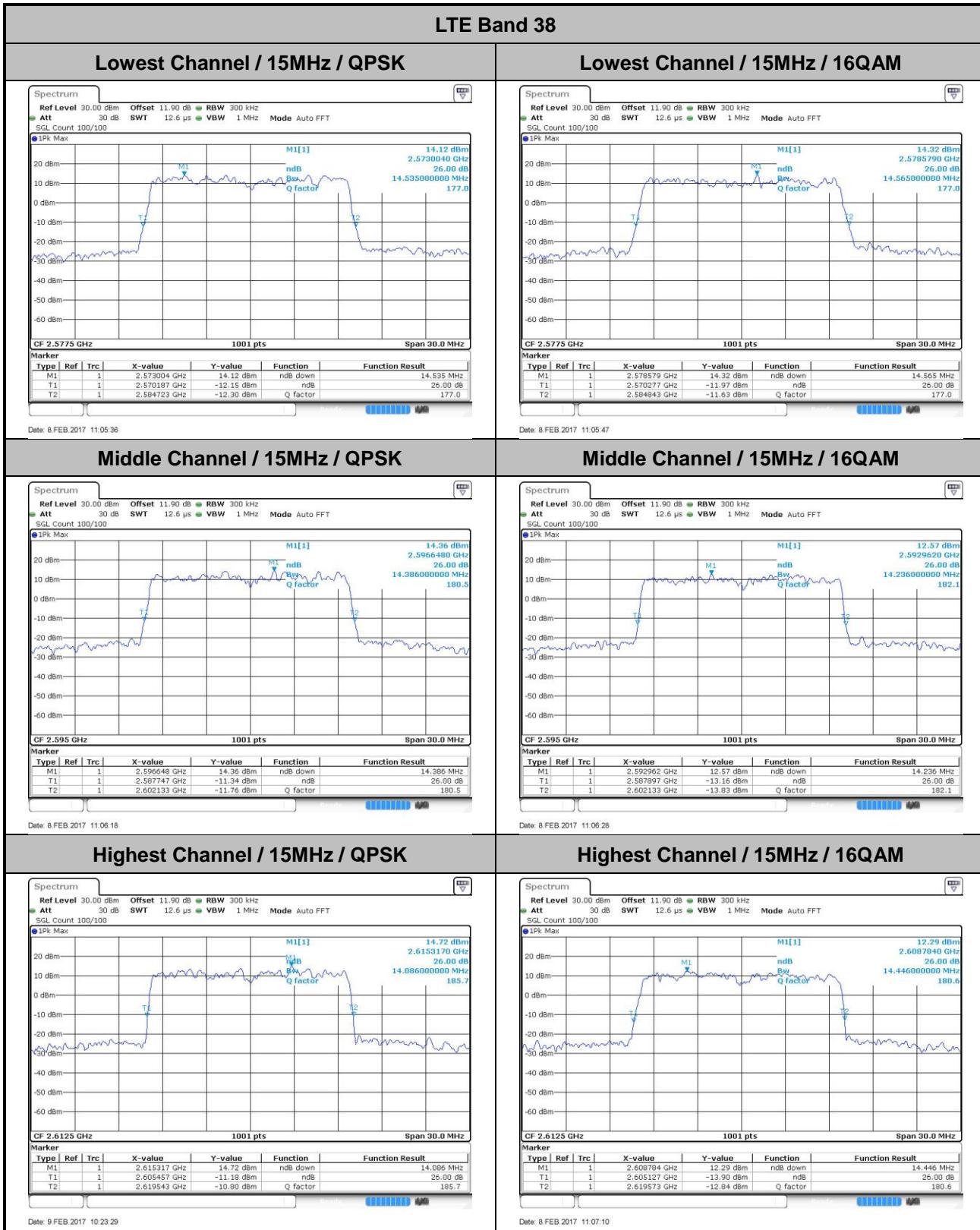


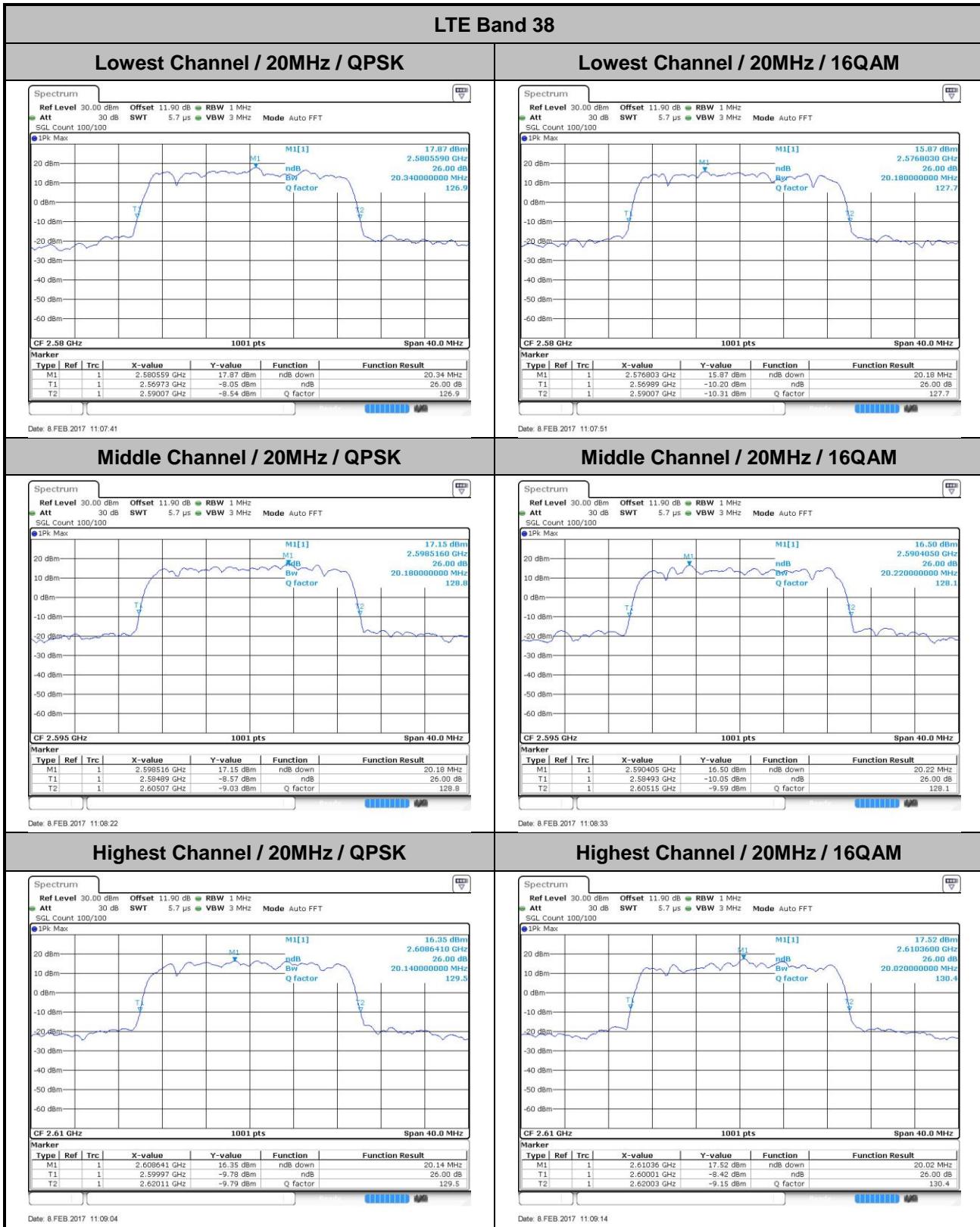
**26dB Bandwidth**

| Mode | LTE Band 38 : 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 | - | - | - | - | 4.925 | 4.985 | 9.77 | 9.69 | 14.535 | 14.565 | 20.34 | 20.18 |
| Middle CH | - | - | - | - | 5.504 | 4.975 | 9.71 | 9.71 | 14.386 | 14.236 | 20.18 | 20.22 |
| Highest CH | - | - | - | - | 4.895 | 4.895 | 9.71 | 9.67 | 14.086 | 14.446 | 20.14 | 20.02 |









**Occupied Bandwidth**

| Mode | LTE Band 38 : 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 | - | - | - | - | 4.51 | 4.5 | 9.07 | 9.07 | 13.46 | 13.4 | 18.38 | 18.34 |
| Middle CH | - | - | - | - | 4.5 | 4.47 | 8.93 | 8.97 | 13.46 | 13.37 | 18.38 | 18.34 |
| Highest CH | - | - | - | - | 4.49 | 4.5 | 8.99 | 9.03 | 13.4 | 13.37 | 18.26 | 18.26 |

