

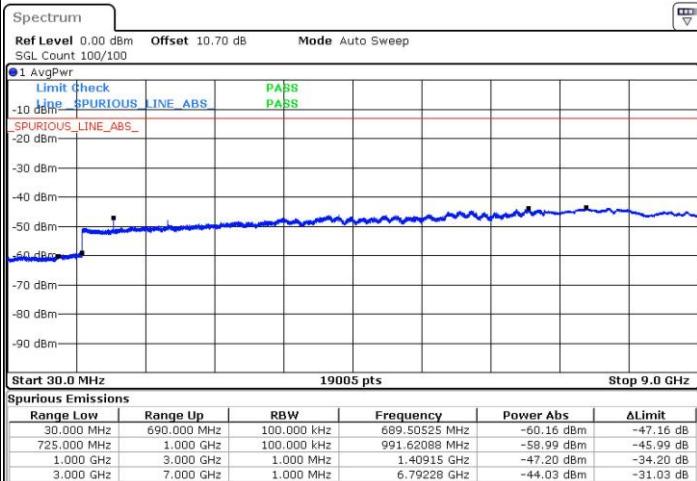
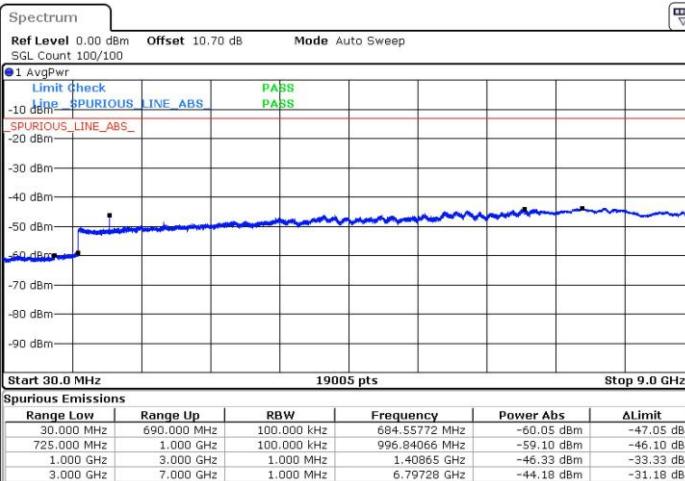


Conducted Spurious Emission

LTE Band 17 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

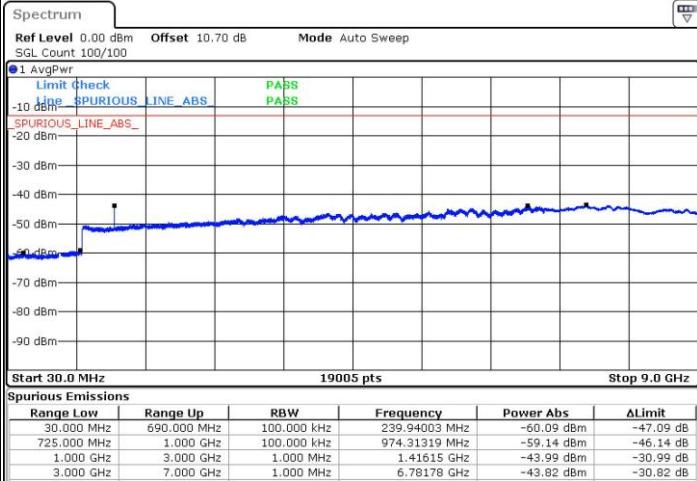
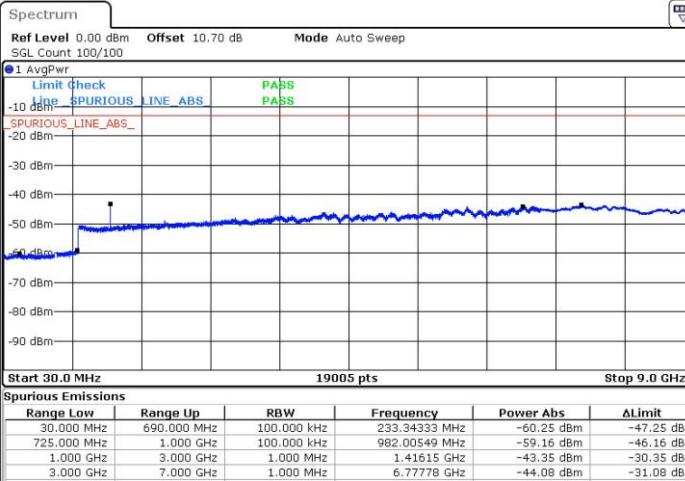


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Middle Channel / QPSK

Middle Channel / 16QAM



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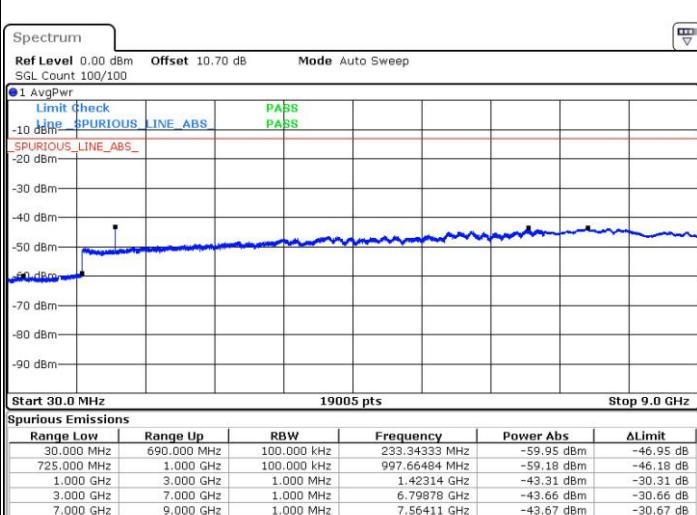
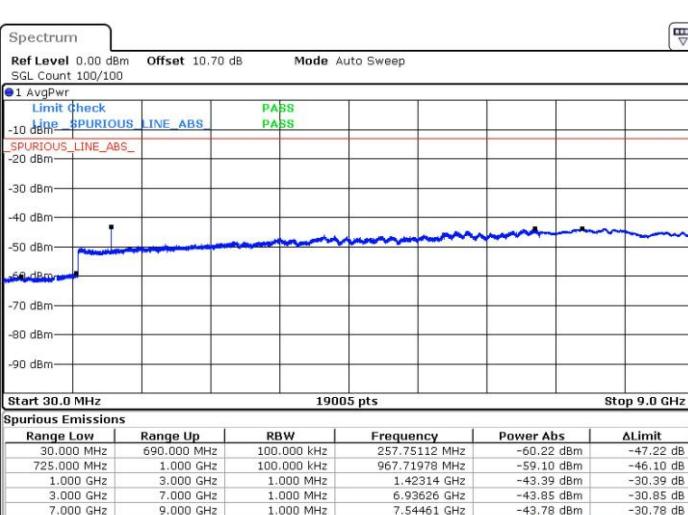
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LTE Band 17 / 5MHz

Highest Channel / QPSK

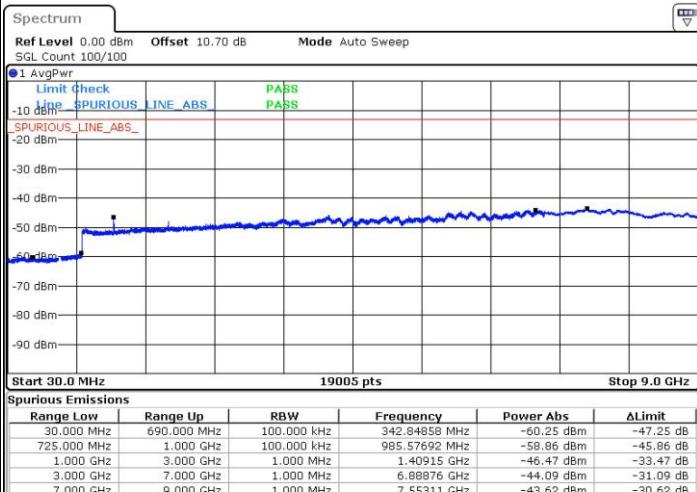
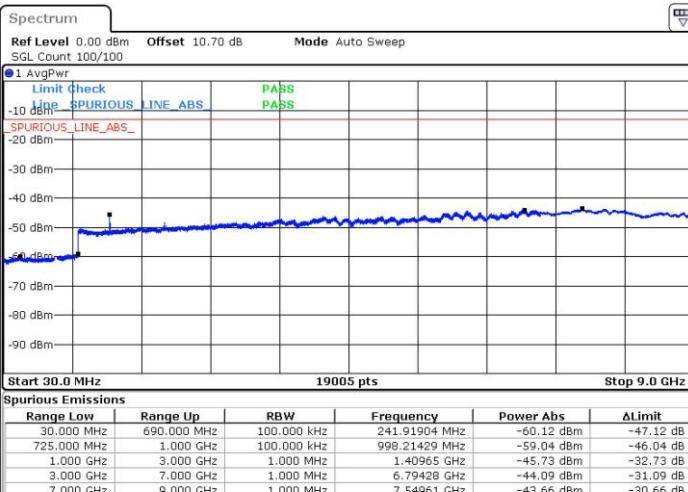
Highest Channel / 16QAM



LTE Band 17 / 10MHz

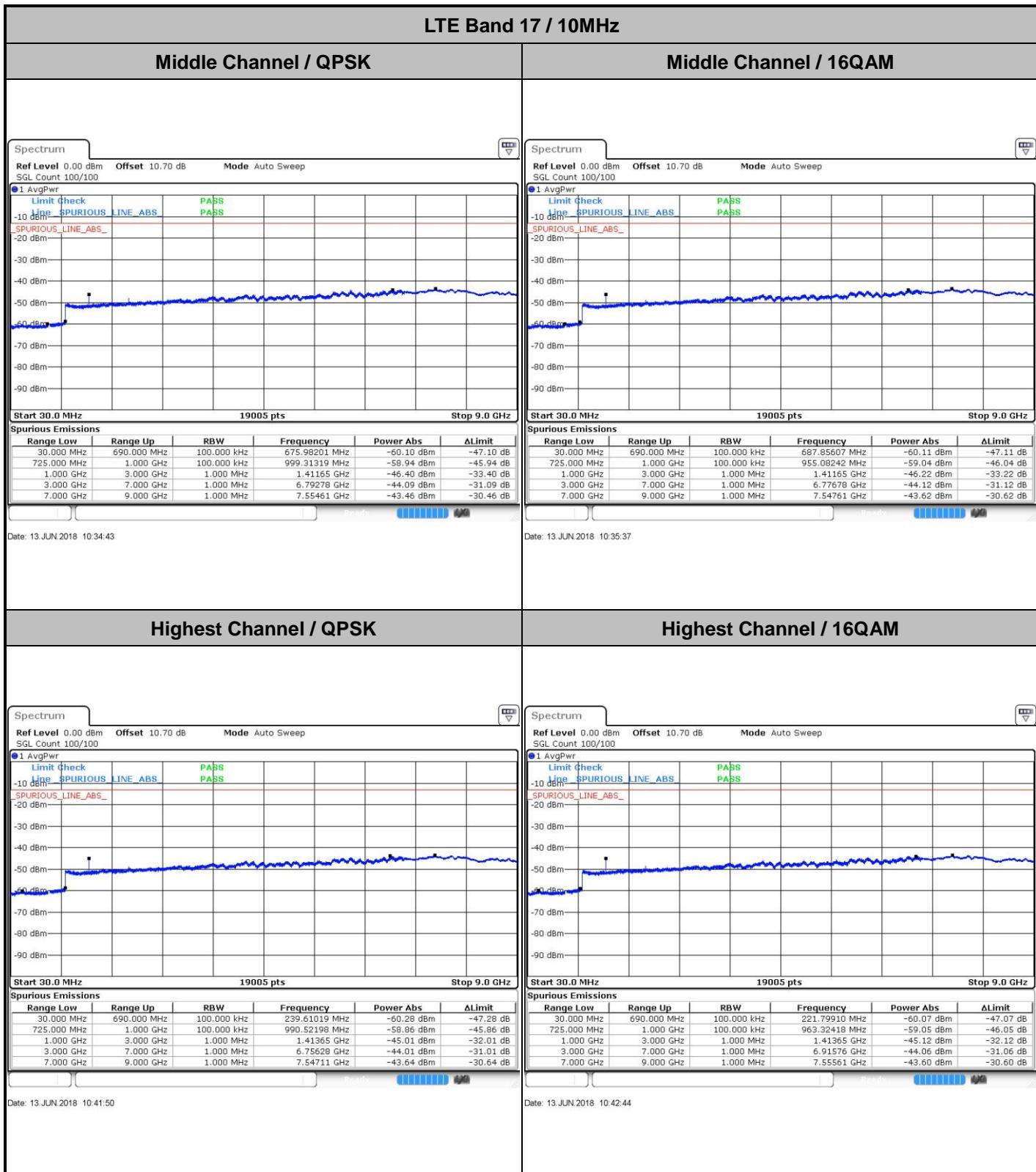
Lowest Channel / QPSK

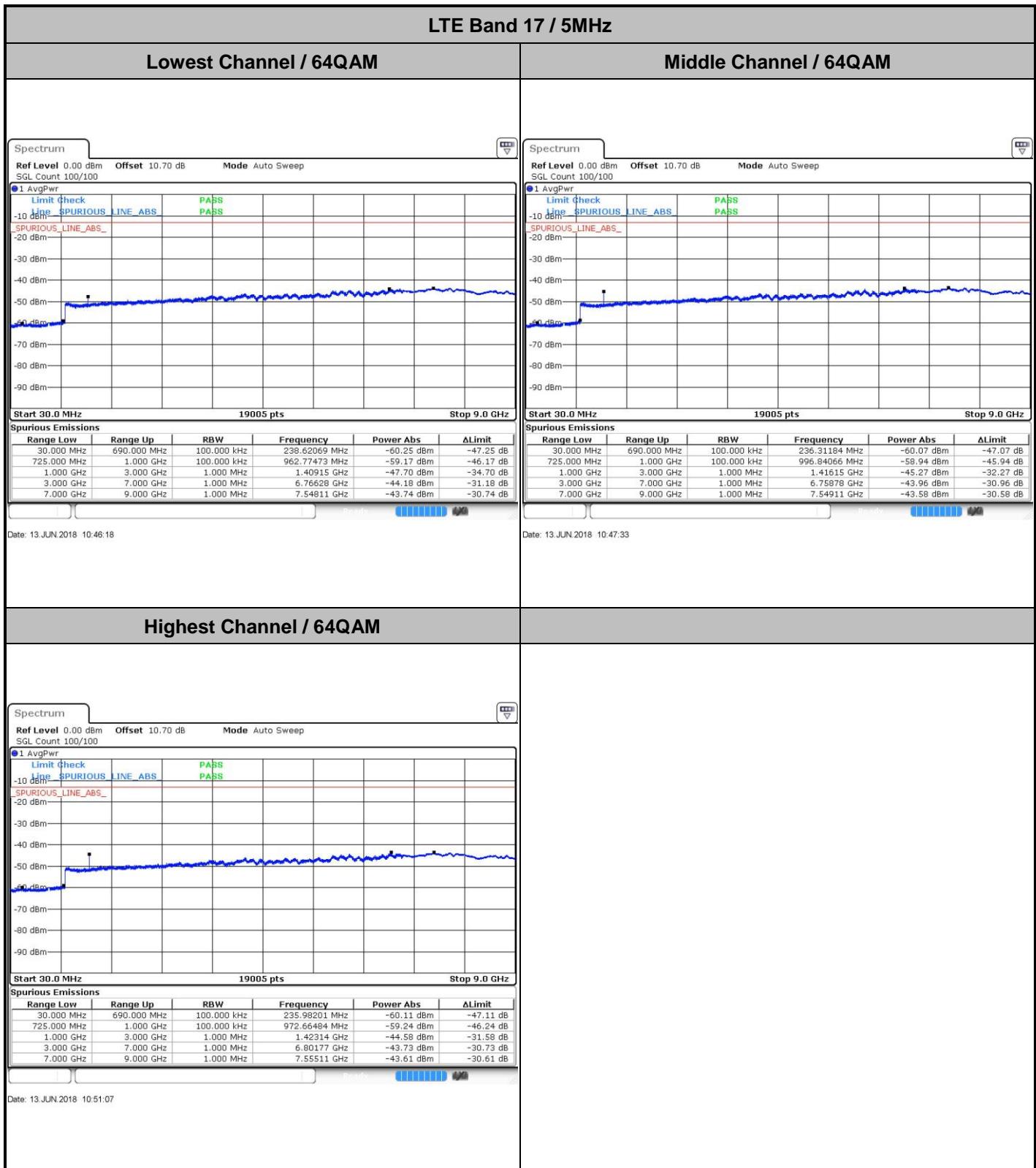
Lowest Channel / 16QAM

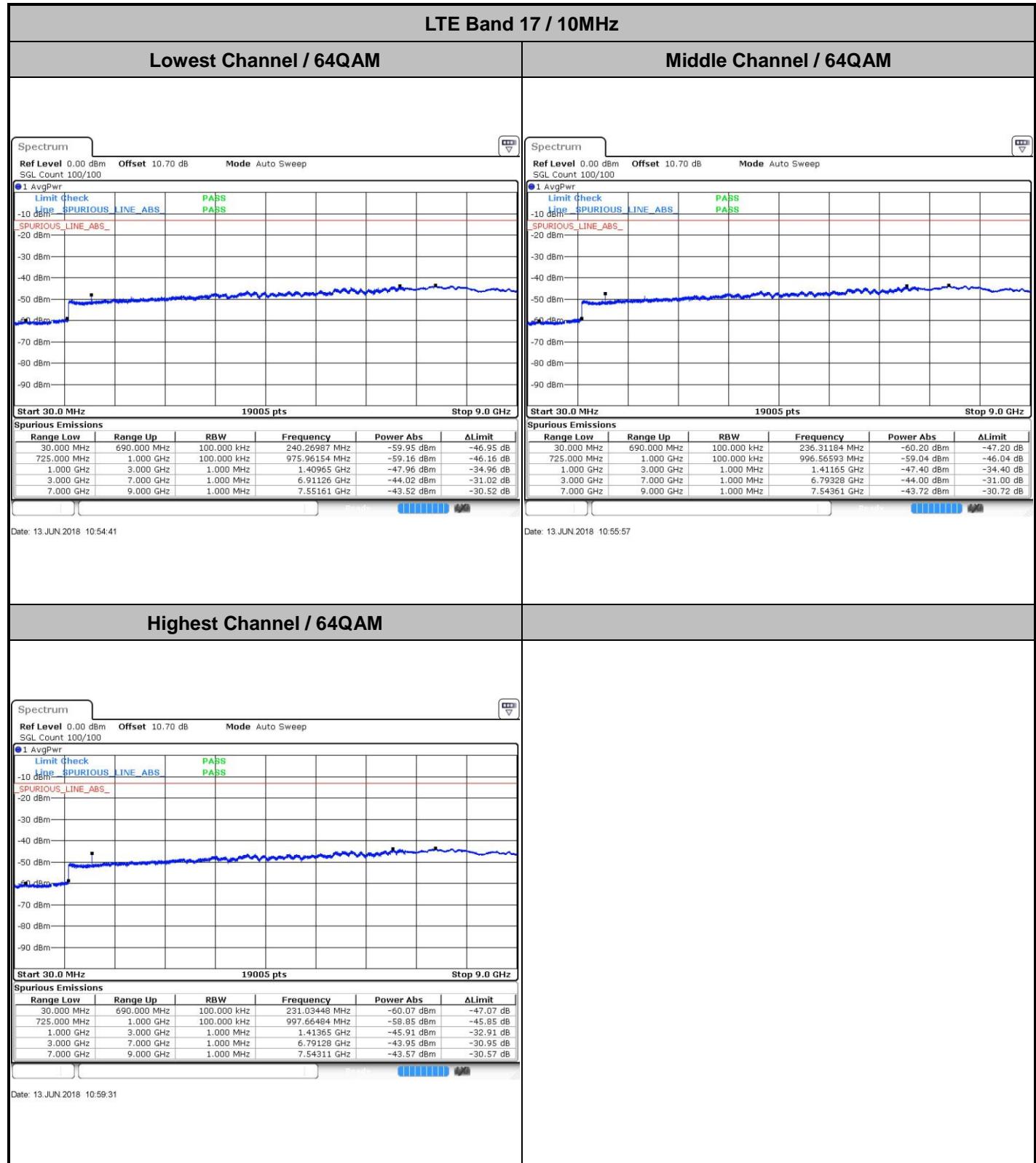


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Frequency Stability

| Test Conditions | | LTE Band 17 (QPSK) / Middle Channel | Limit |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0003 | PASS |
| 40 | Normal Voltage | 0.0015 | |
| 30 | Normal Voltage | 0.0063 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0079 | |
| 0 | Normal Voltage | 0.0059 | |
| -10 | Normal Voltage | 0.0031 | |
| -20 | Normal Voltage | 0.0032 | |
| -30 | Normal Voltage | 0.0062 | |
| 20 | Maximum Voltage | 0.0006 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0035 | |

Note:

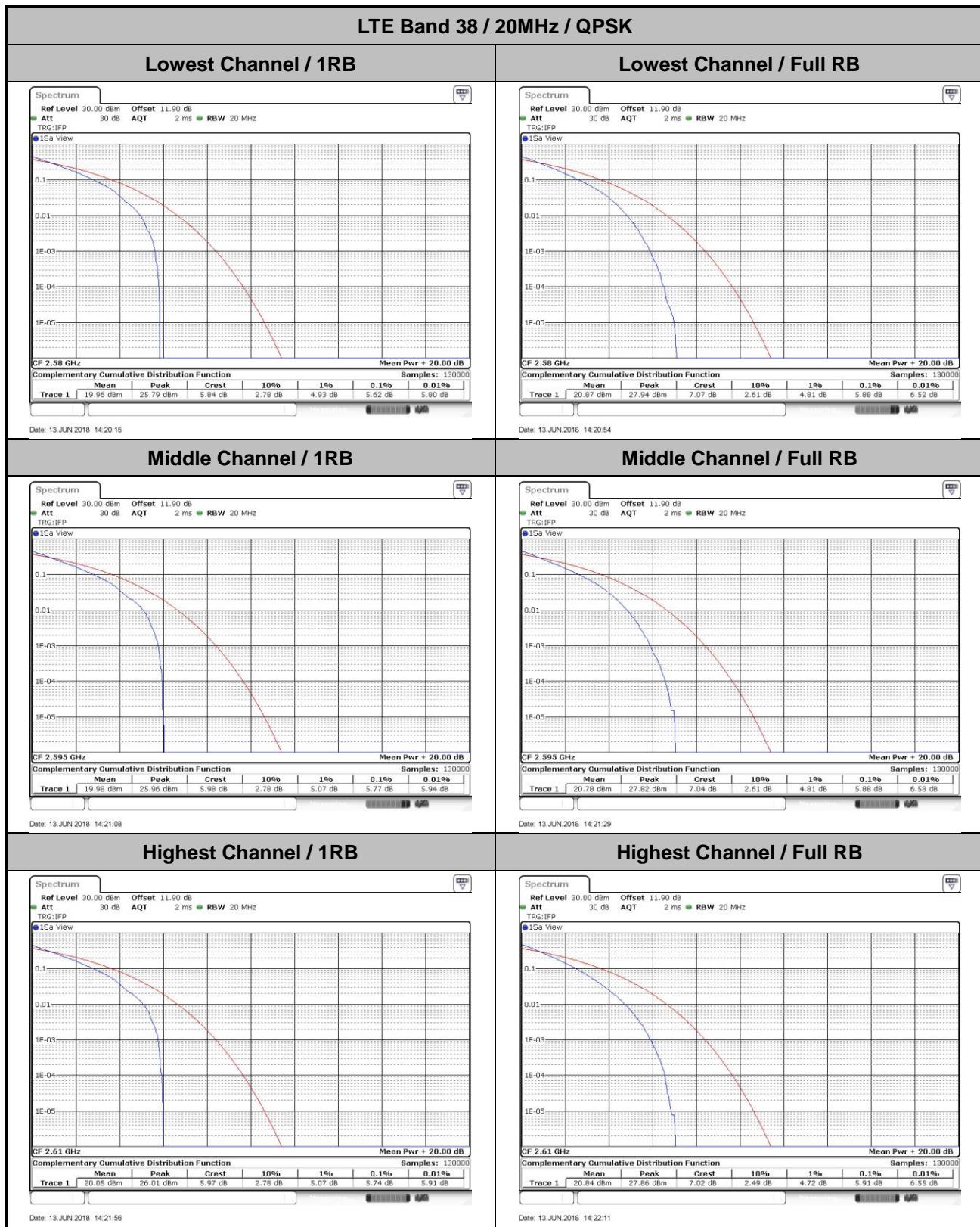
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

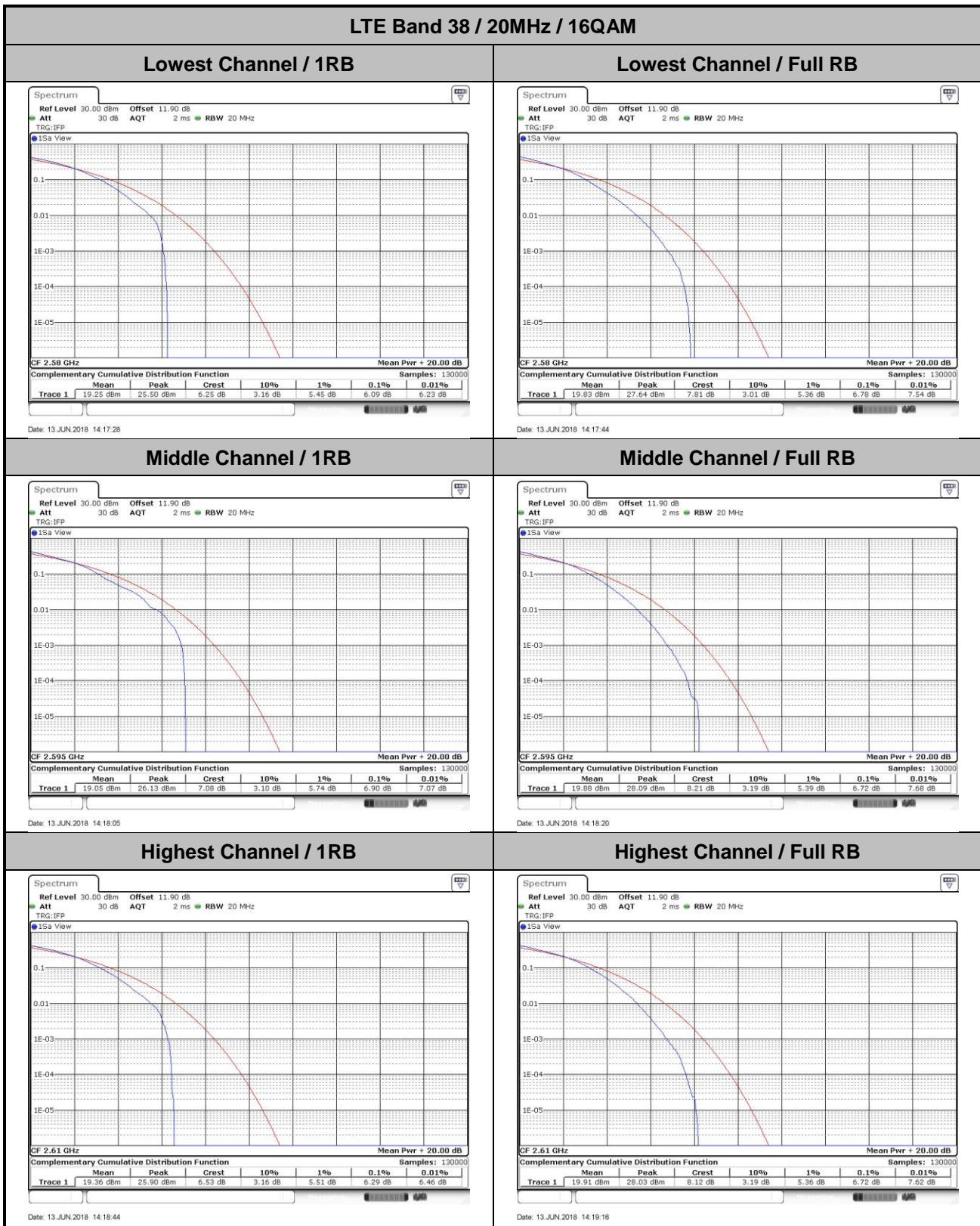


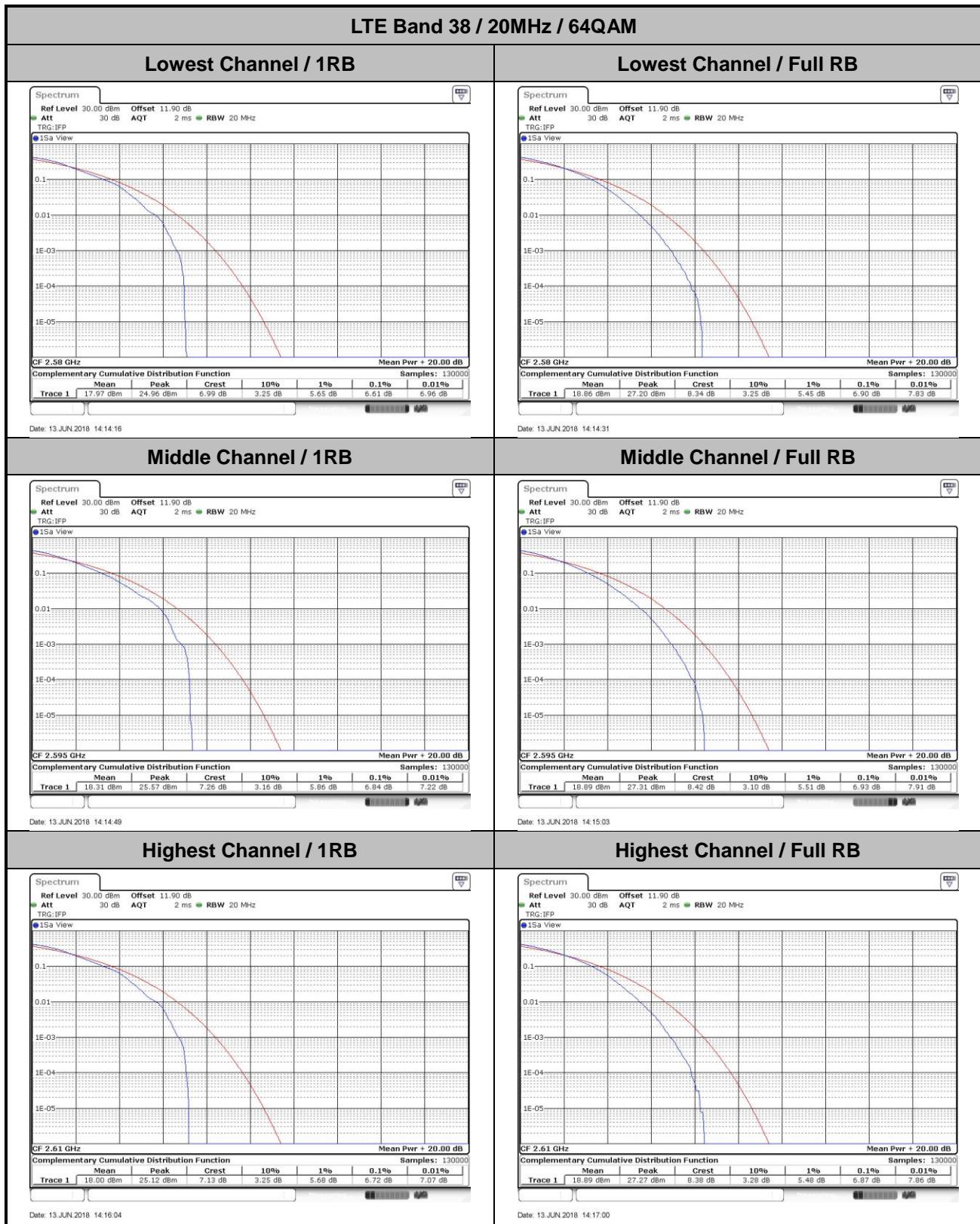
LTE Band 38

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 | 5.62 | 5.88 | 6.09 | 6.78 | PASS |
| Middle CH | 5.77 | 5.88 | 6.9 | 6.72 | |
| Highest CH | 5.74 | 5.91 | 6.29 | 6.72 | |
| Mode | LTE Band 38 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 6.61 | 6.90 | - | - | PASS |
| Middle CH | 6.84 | 6.93 | - | - | |
| Highest CH | 6.72 | 6.87 | - | - | |



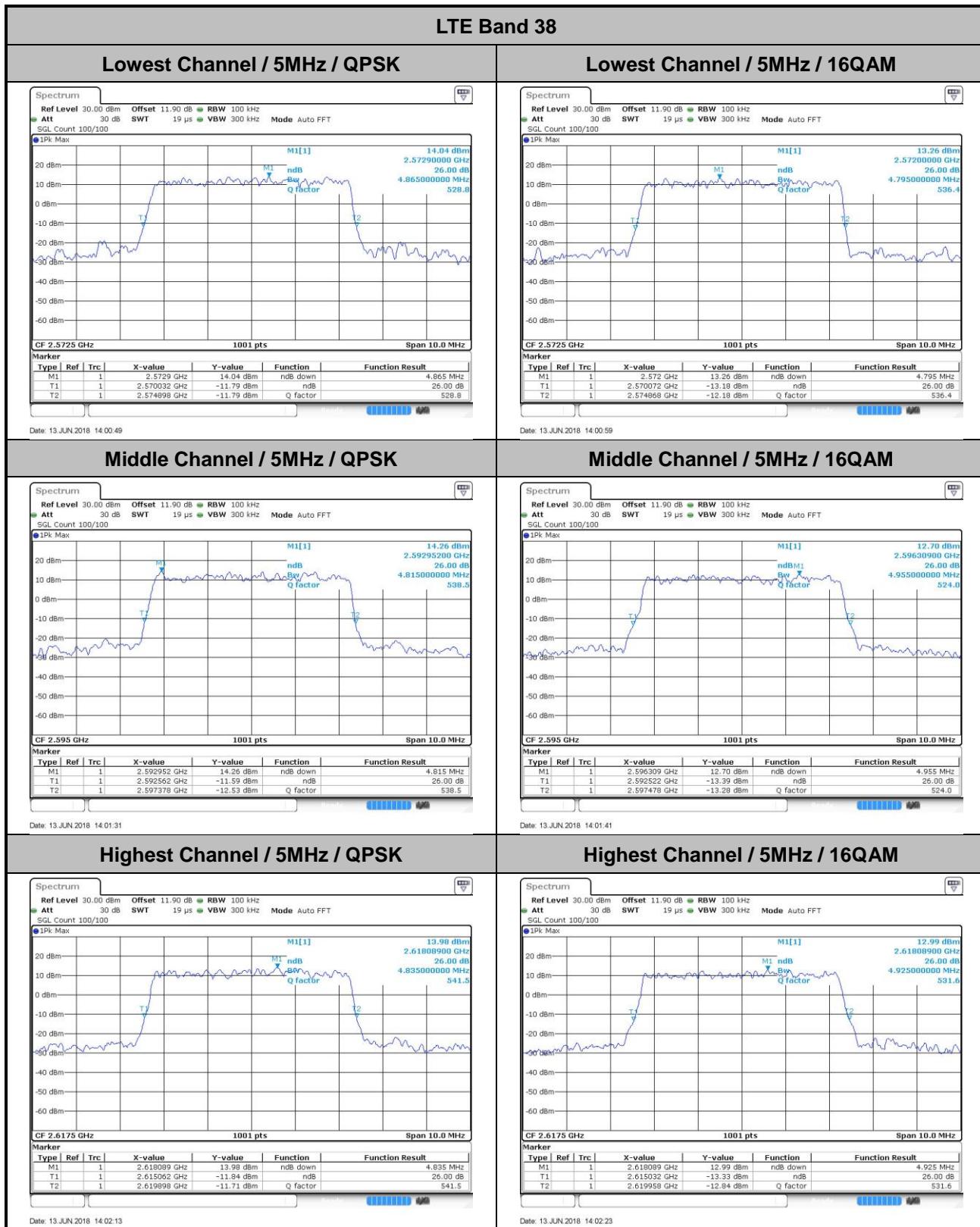


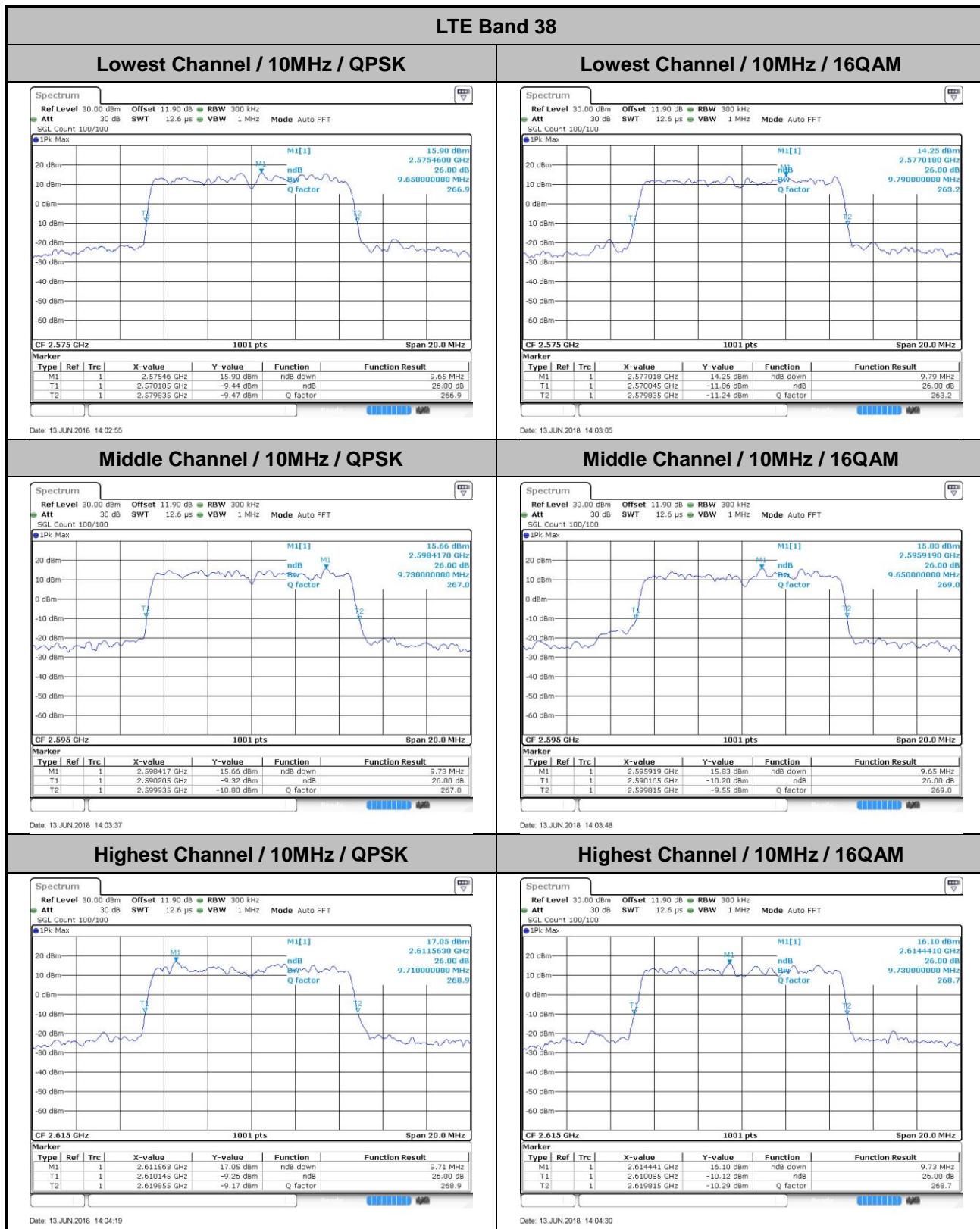


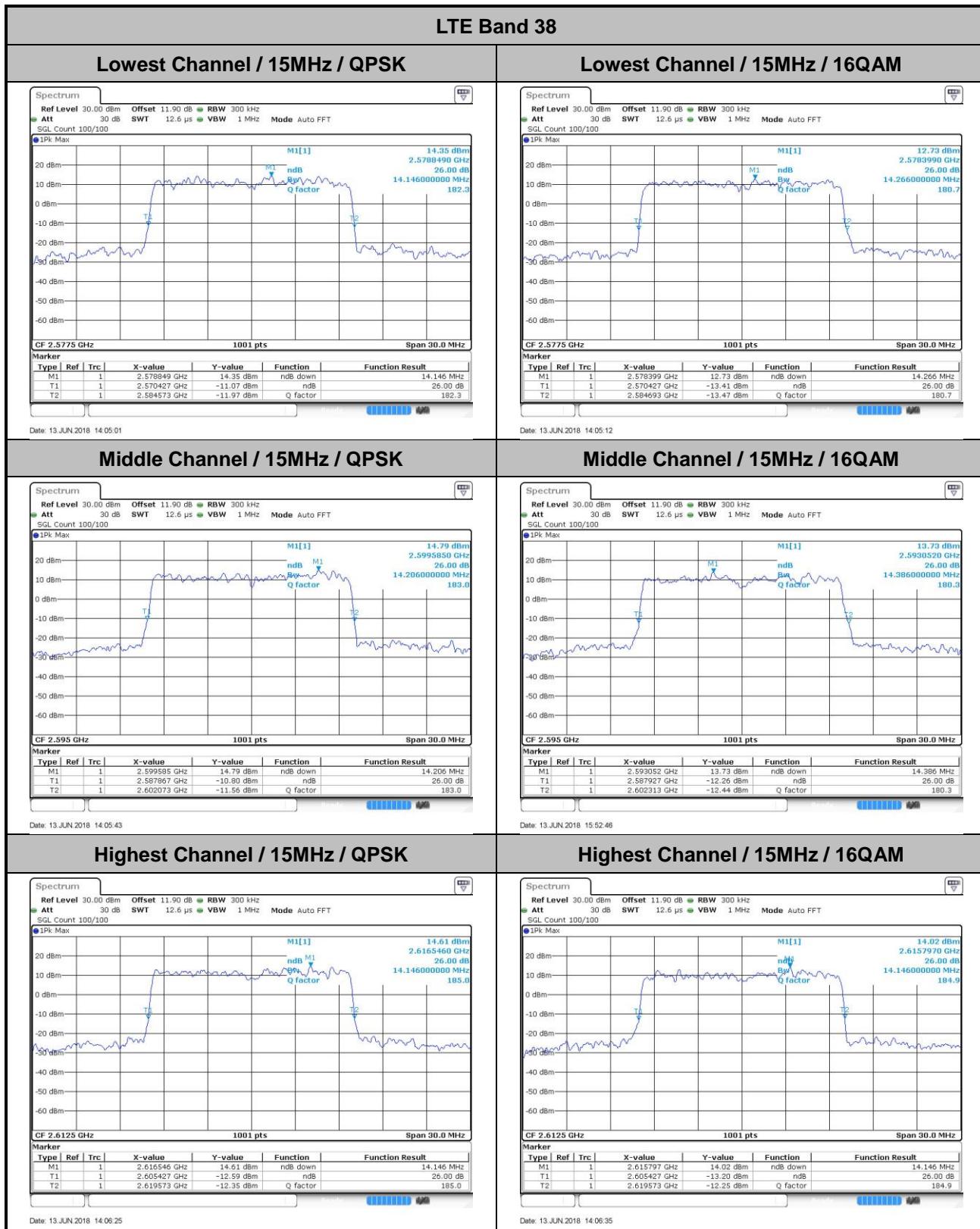
**26dB Bandwidth**

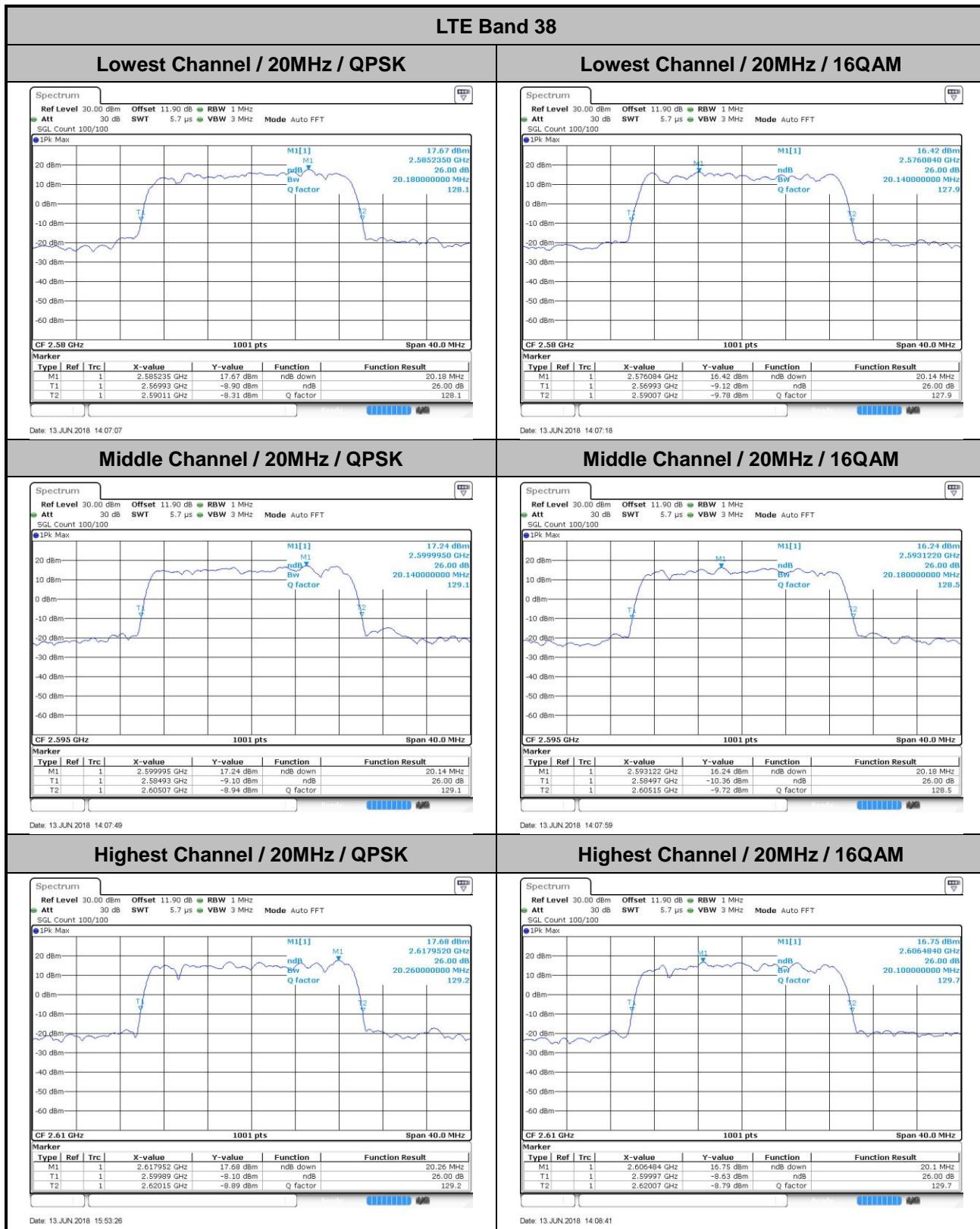
| Mode | LTE Band 38 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|----------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.87 | 4.80 | 9.65 | 9.79 | 14.15 | 14.27 | 20.18 | 20.14 |
| Middle CH | - | - | - | - | 4.82 | 4.96 | 9.73 | 9.65 | 14.21 | 14.39 | 20.14 | 20.18 |
| Highest CH | - | - | - | - | 4.84 | 4.93 | 9.71 | 9.73 | 14.15 | 14.15 | 20.26 | 20.10 |

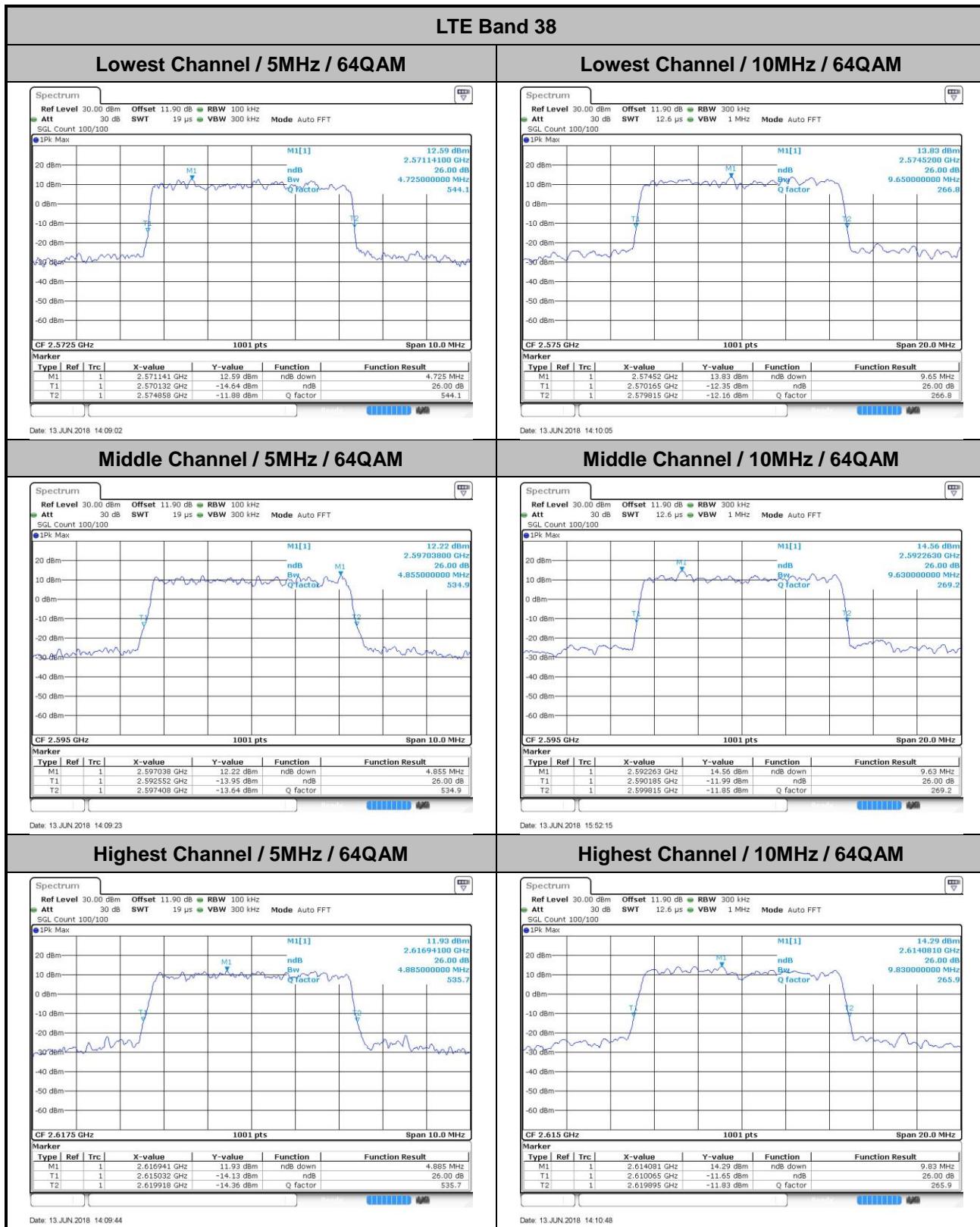
| Mode | LTE Band 38 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|----------------------------|---|-------|---|-------|---|-------|---|-------|---|-------|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | - | - | - | - | 4.73 | - | 9.65 | - | 14.27 | - | 20.18 | - |
| Middle CH | - | - | - | - | 4.86 | - | 9.63 | - | 14.15 | - | 20.26 | - |
| Highest CH | - | - | - | - | 4.86 | - | 9.83 | - | 14.27 | - | 20.06 | - |

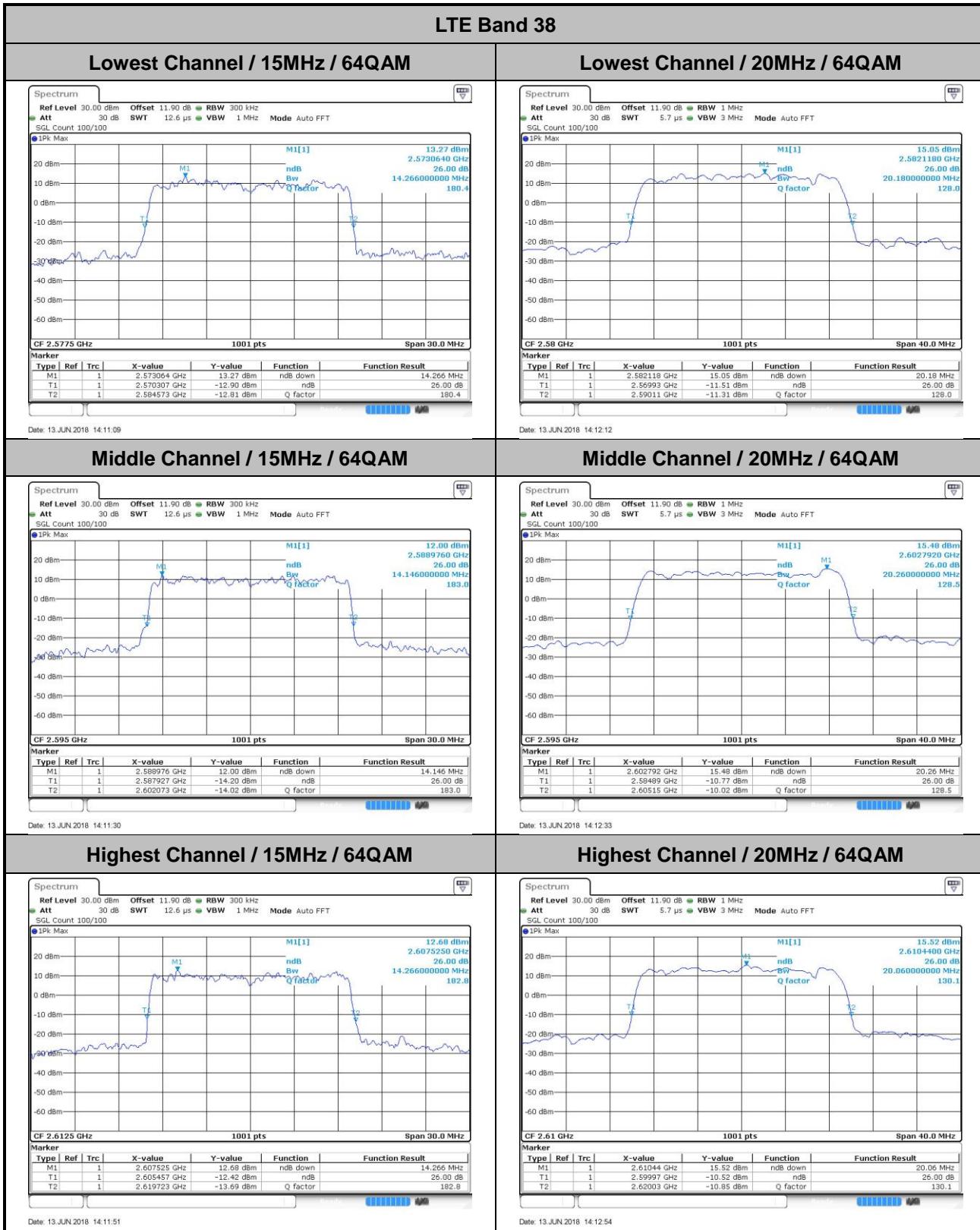












**Occupied Bandwidth**

| Mode | LTE Band 38 : 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 | - | - | - | - | 4.5 | 4.52 | 9.07 | 9.05 | 13.46 | 13.43 | 18.5 | 18.34 |
| Middle CH | - | - | - | - | 4.47 | 4.49 | 9.03 | 9.07 | 13.52 | 13.46 | 18.42 | 18.46 |
| Highest CH | - | - | - | - | 4.5 | 4.5 | 9.07 | 9.05 | 13.4 | 13.43 | 18.3 | 18.34 |
| Mode | LTE Band 38 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | - | - | - | - | 4.48 | - | 8.99 | - | 13.43 | - | 18.38 | - |
| Middle CH | - | - | - | - | 4.50 | - | 8.99 | - | 13.46 | - | 18.46 | - |
| Highest CH | - | - | - | - | 4.51 | - | 9.11 | - | 13.43 | - | 18.42 | - |