| LTE Band 7 | |
|---|---|
| **Lowest Channel / 10MHz / QPSK** | **Lowest Channel / 10MHz / 16QAM** |
|  |  |
| Date: 18.DEC.2018 11:56:08 | Date: 18.DEC.2018 11:56:28 |
| **Middle Channel / 10MHz / QPSK** | **Middle Channel / 10MHz / 16QAM** |
|  |  |
| Date: 18.DEC.2018 11:57:08 | Date: 18.DEC.2018 11:56:48 |
| **Highest Channel / 10MHz / QPSK** | **Highest Channel / 10MHz / 16QAM** |
|  |  |
| Date: 18.DEC.2018 11:57:28 | Date: 18.DEC.2018 11:57:48 |
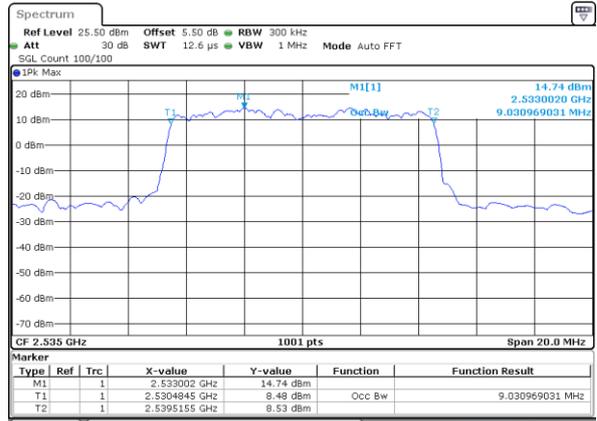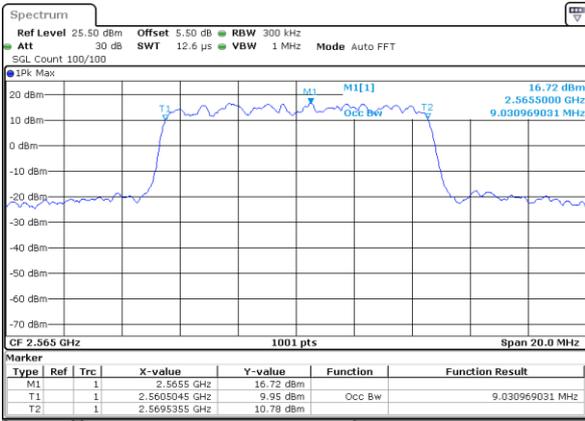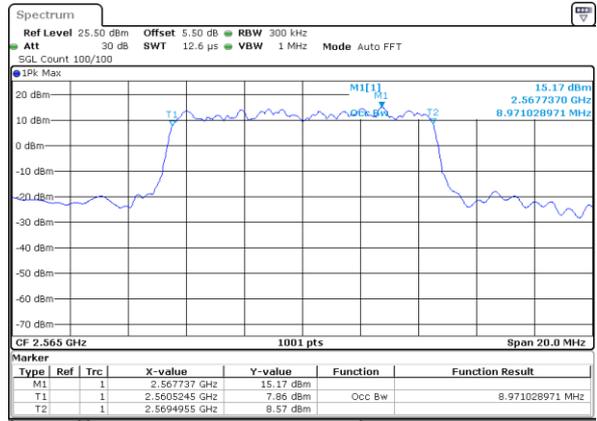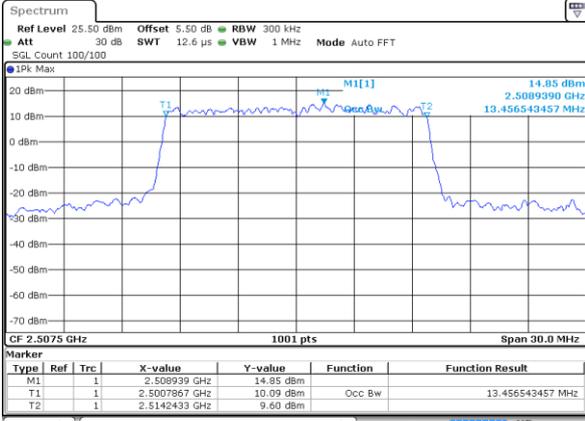
**Sporton International (Kunshan) Inc.**
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FAX : 86-512-57900958
FCC ID : 2AFZZ-XMSF1G

Page Number : A207 of A452
Report Issued Date : Jan. 17, 2019
Report Version : Rev. 01
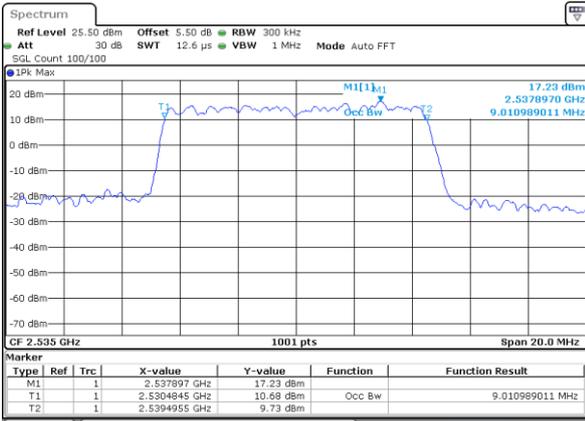Report Template No.: BU5-FGLTE Version 2.0

## LTE Band 7

| Lowest Channel / 15MHz / QPSK | Lowest Channel / 15MHz / 16QAM |
|---|---|
|  |  |

| Middle Channel / 15MHz / QPSK | Middle Channel / 15MHz / 16QAM |
|---|---|
|  |  |

| Highest Channel / 15MHz / QPSK | Highest Channel / 15MHz / 16QAM |
|---|---|
|  |  |

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Report Template No.: BU5-FGLTE Version 2.0
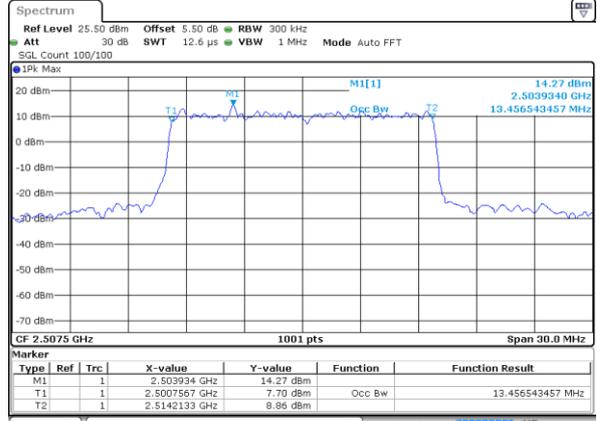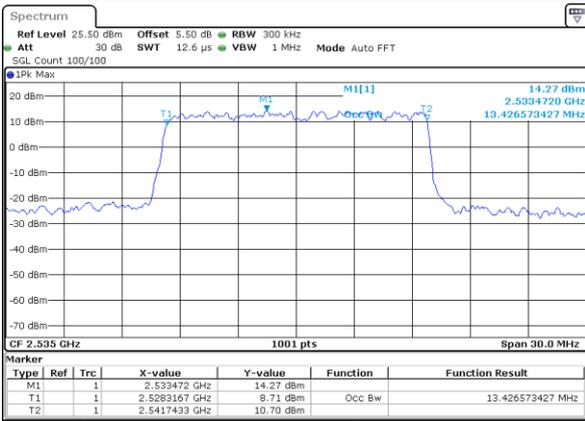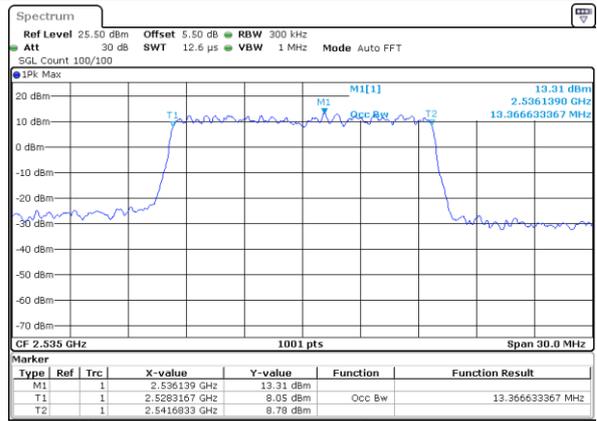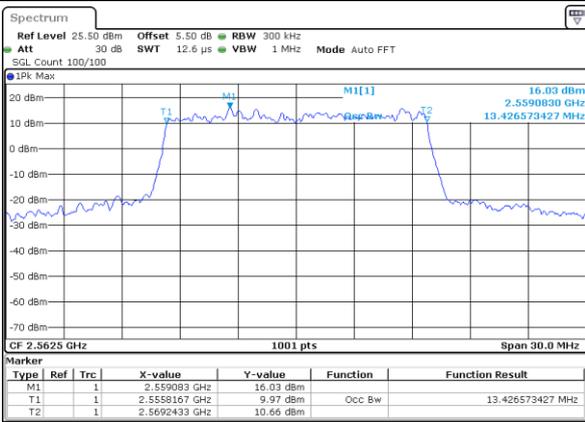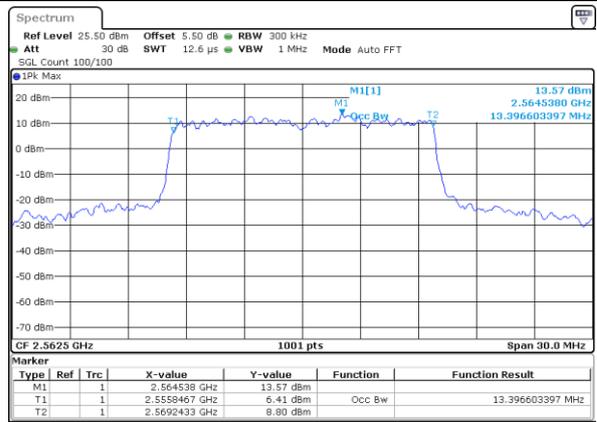
## LTE Band 7

### Lowest Channel / 20MHz / QPSK
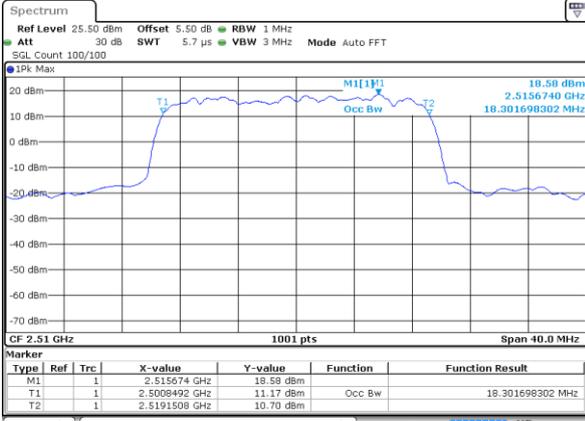


Date: 18.DEC.2018 12:29:26

### Lowest Channel / 20MHz / 16QAM



Date: 18.DEC.2018 12:29:06

### Middle Channel / 20MHz / QPSK



Date: 18.DEC.2018 12:29:46

### Middle Channel / 20MHz / 16QAM
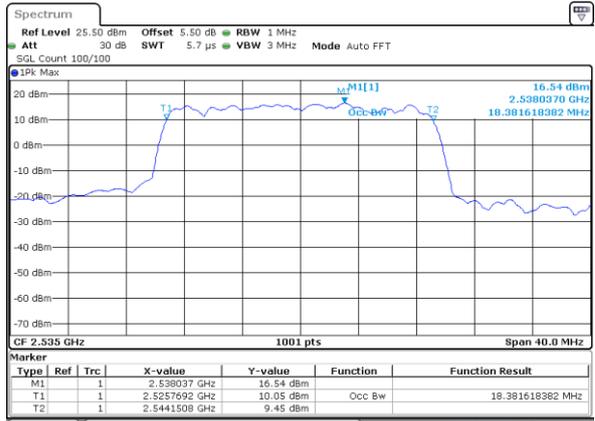


Date: 18.DEC.2018 12:30:07

### Highest Channel / 20MHz / QPSK



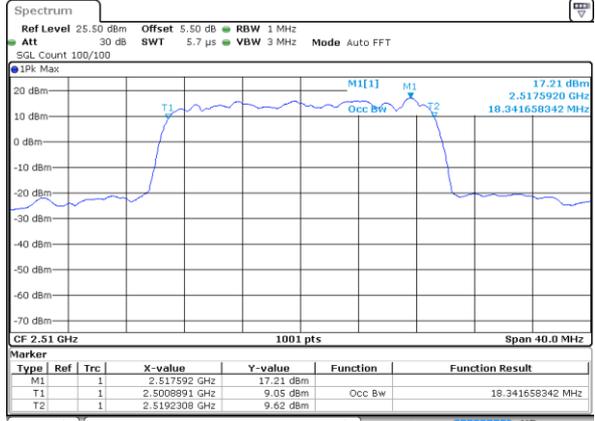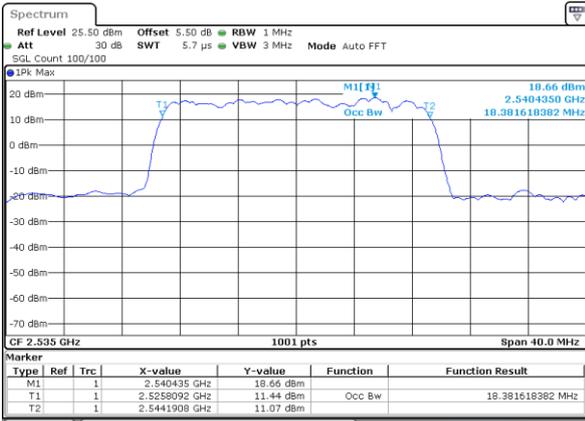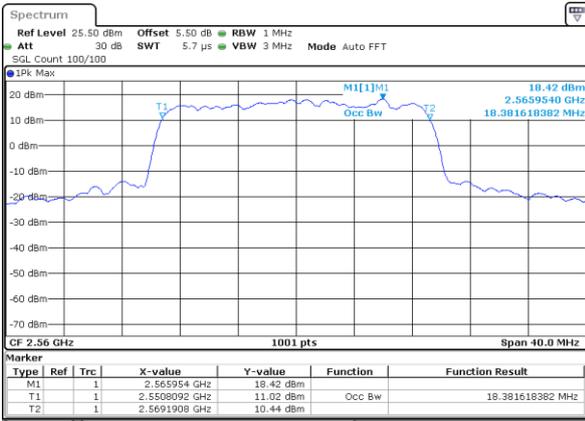Date: 18.DEC.2018 12:30:47

### Highest Channel / 20MHz / 16QAM



Date: 18.DEC.2018 12:30:27

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| LTE Band 7 |
|---|

## Lowest Channel / 5MHz / 64QAM
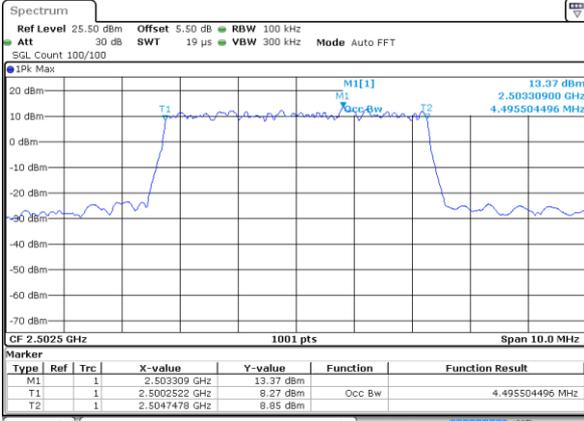


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## Lowest Channel / 10MHz / 64QAM


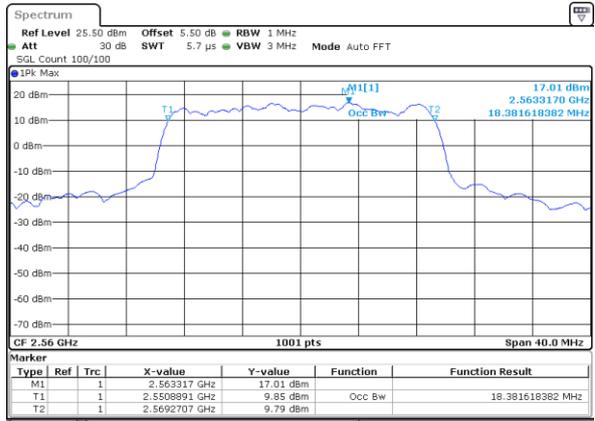
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## Middle Channel / 5MHz / 64QAM



Date: 18.DEC.2018 13:33:30

## Middle Channel / 10MHz / 64QAM



Date: 18.DEC.2018 13:39:28

## Highest Channel / 5MHz / 64QAM



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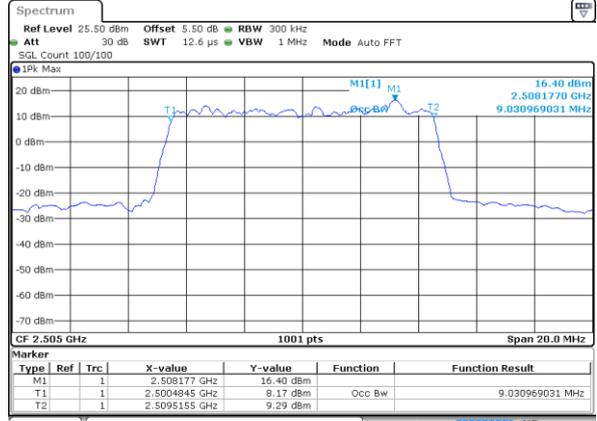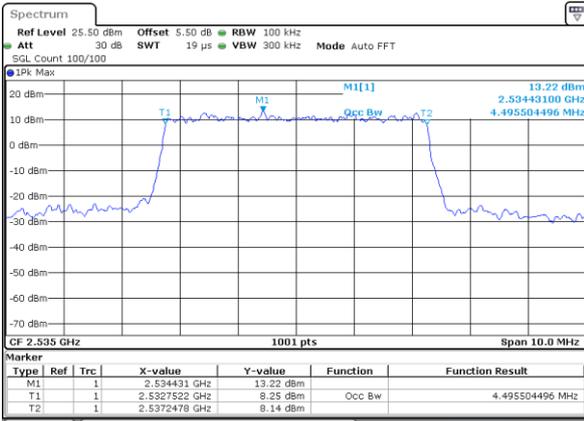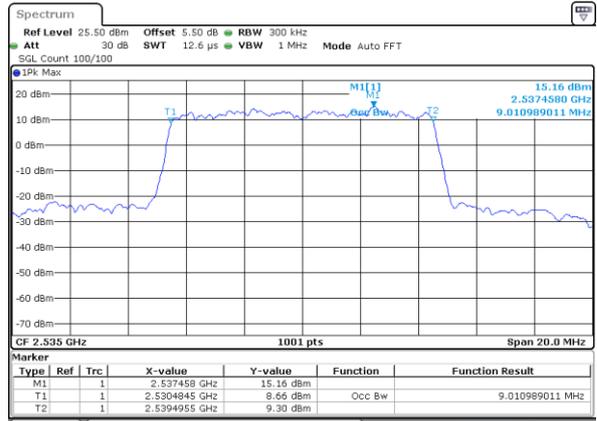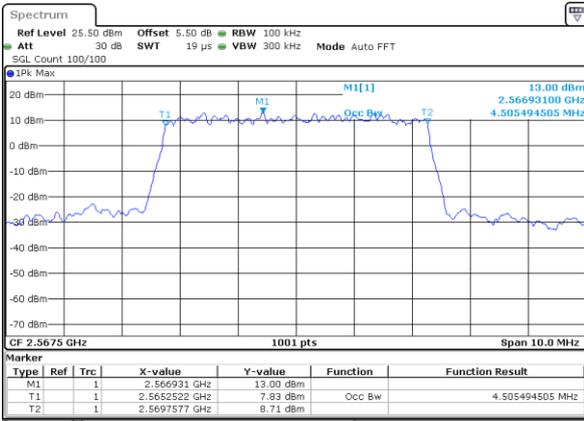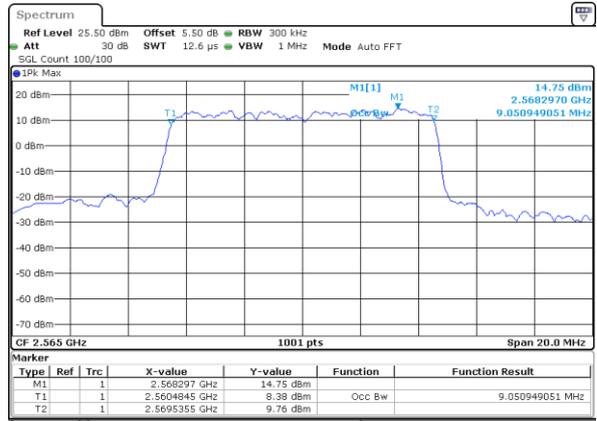
## Highest Channel / 10MHz / 64QAM



Date: 18.DEC.2018 13:39:39

## LTE Band 7

| Lowest Channel / 15MHz / 64QAM | Lowest Channel / 20MHz / 64QAM |
|---|---|
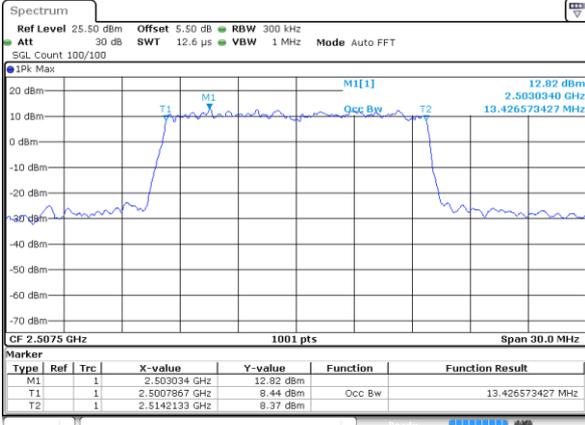


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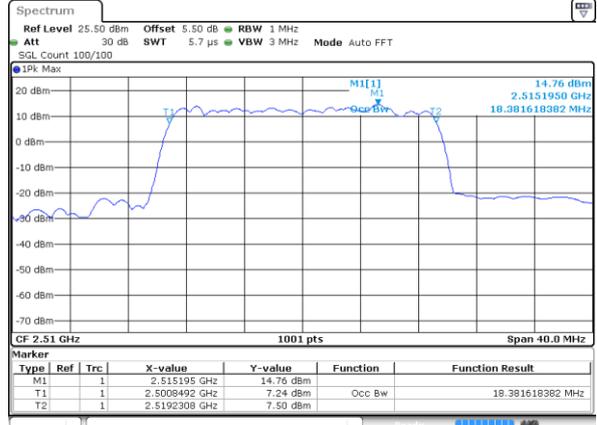


Date: 18.DEC.2018 13:52:55

| Middle Channel / 15MHz / 64QAM | Middle Channel / 20MHz / 64QAM |
|---|---|
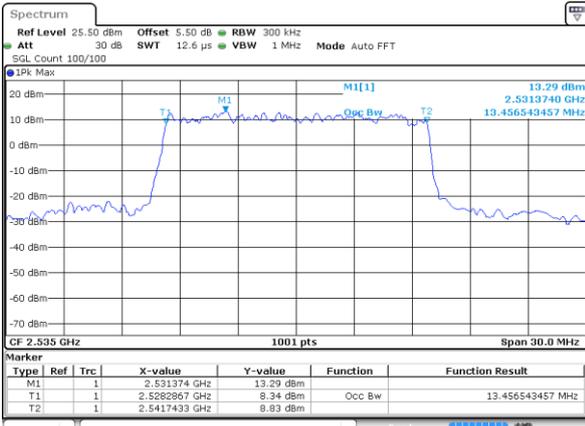


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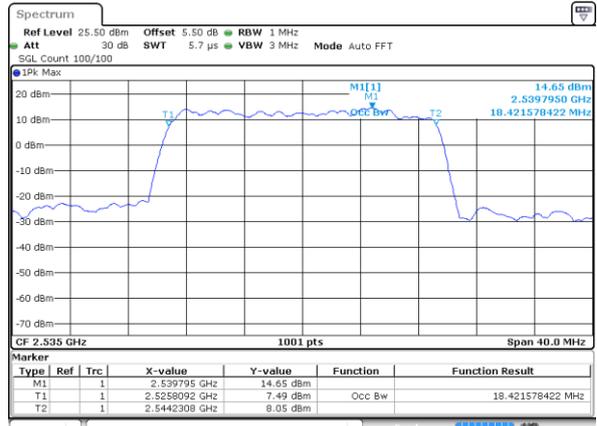


Date: 18.DEC.2018 13:53:05

| Highest Channel / 15MHz / 64QAM | Highest Channel / 20MHz / 64QAM |
|---|---|
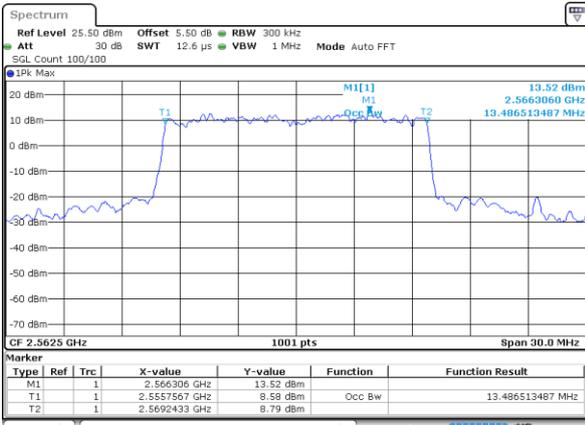


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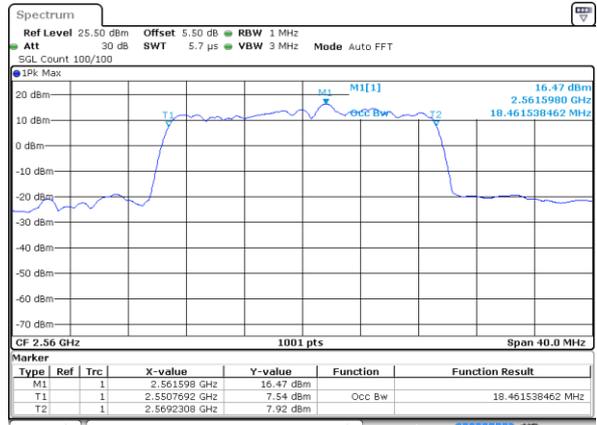


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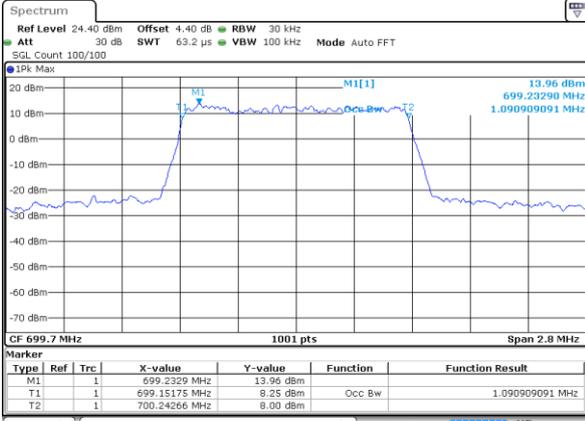
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Report Issued Date  : Jan. 17, 2019
Report Version       : Rev. 01
Report Template No.: BU5-FGLTE Version 2.0
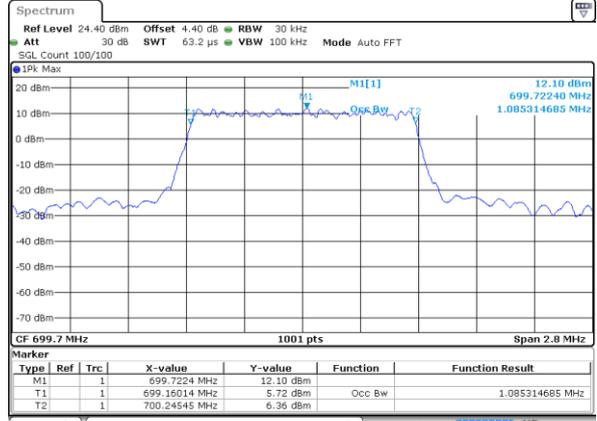
| LTE Band 12 | |
|---|---|
| **Lowest Channel / 1.4MHz / QPSK** | **Lowest Channel / 1.4MHz / 16QAM** |
|  |  |
| **Middle Channel / 1.4MHz / QPSK** | **Middle Channel / 1.4MHz / 16QAM** |
|  |  |
| **Highest Channel / 1.4MHz / QPSK** | **Highest Channel / 1.4MHz / 16QAM** |
|  |  |
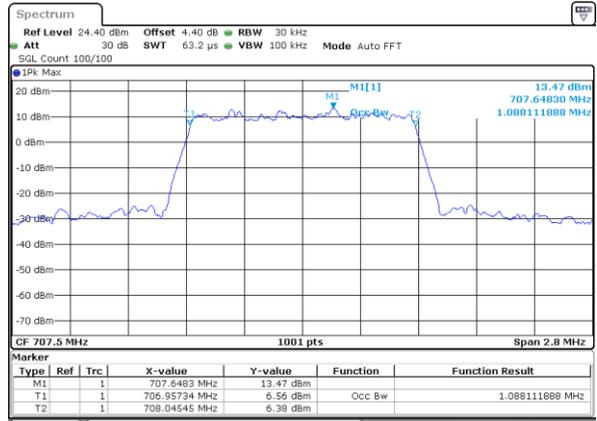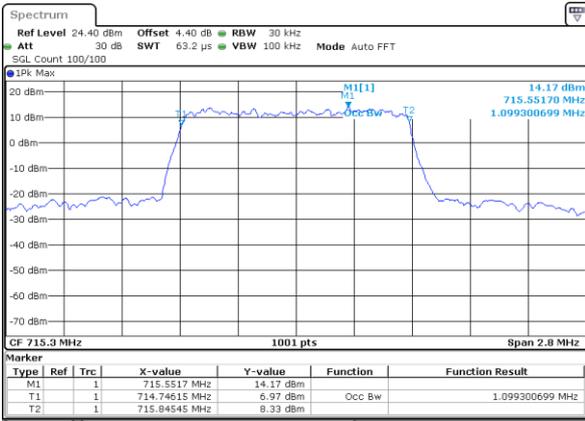
**Sporton International (Kunshan) Inc.**
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FCC ID : 2AFZZ-XMSF1G

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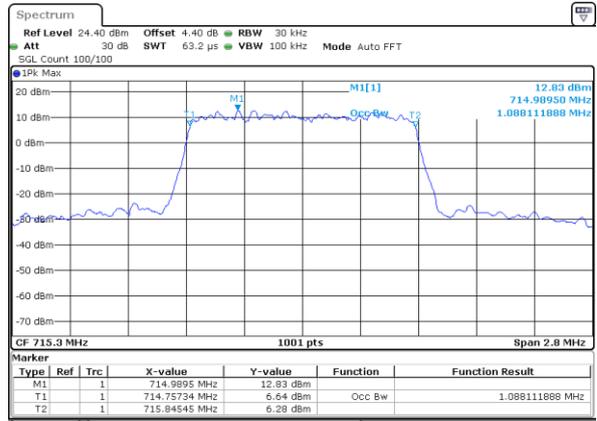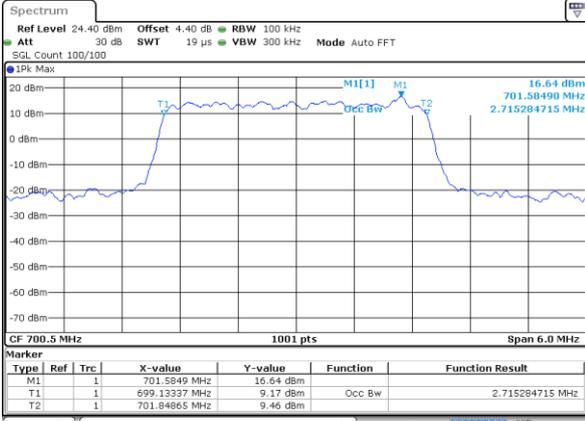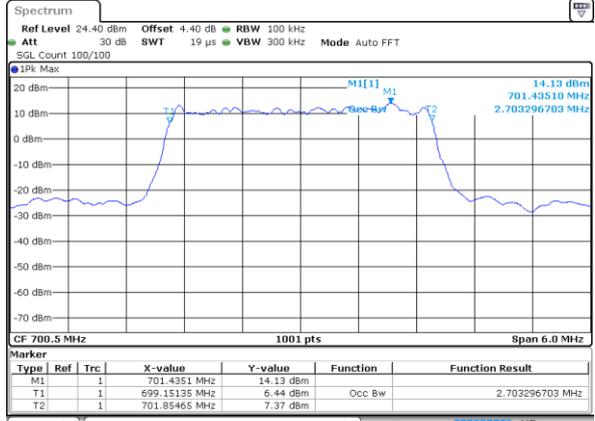
| LTE Band 12 | |
|---|---|
| **Lowest Channel / 3MHz / QPSK** | **Lowest Channel / 3MHz / 16QAM** |
|  |  |
| Date: 11.DEC.2018 16:54:27 | Date: 11.DEC.2018 16:54:37 |
| **Middle Channel / 3MHz / QPSK** | **Middle Channel / 3MHz / 16QAM** |
|  |  |
| Date: 11.DEC.2018 16:54:57 | Date: 11.DEC.2018 16:54:47 |
| **Highest Channel / 3MHz / QPSK** | **Highest Channel / 3MHz / 16QAM** |
|  |  |
| Date: 11.DEC.2018 16:55:07 | Date: 11.DEC.2018 16:55:17 |

| LTE Band 12 |
|:---:|

| Lowest Channel / 5MHz / QPSK | Lowest Channel / 5MHz / 16QAM |
|:---:|:---:|
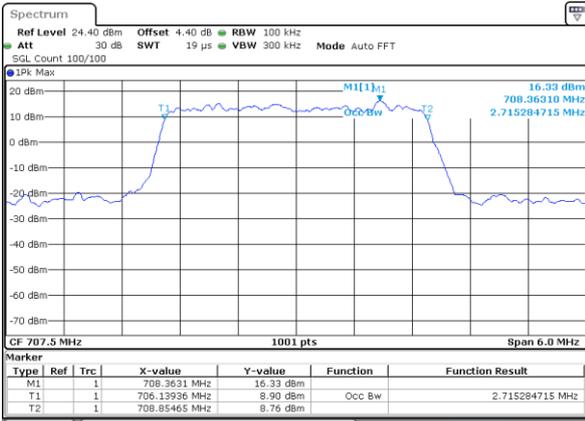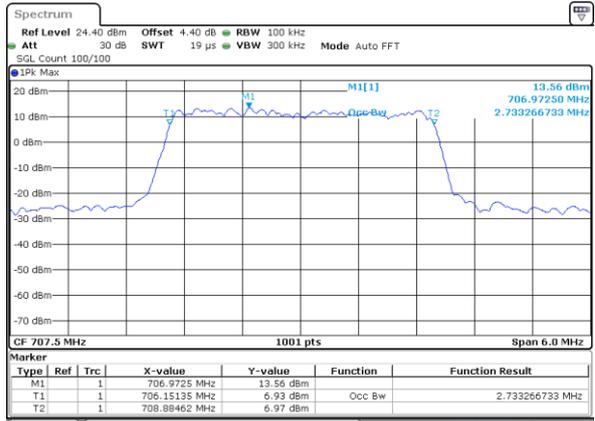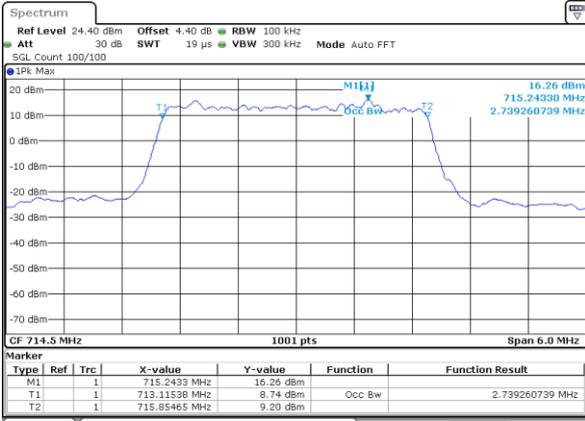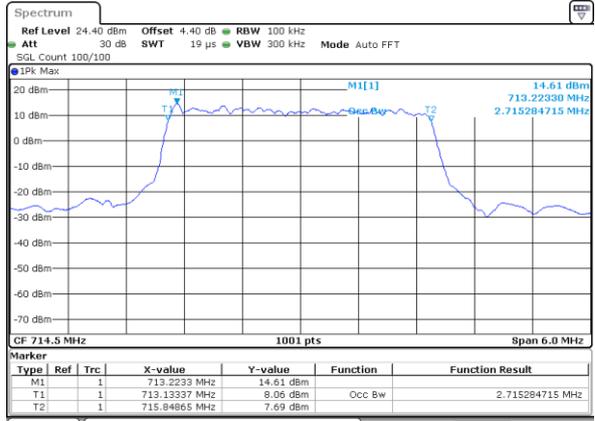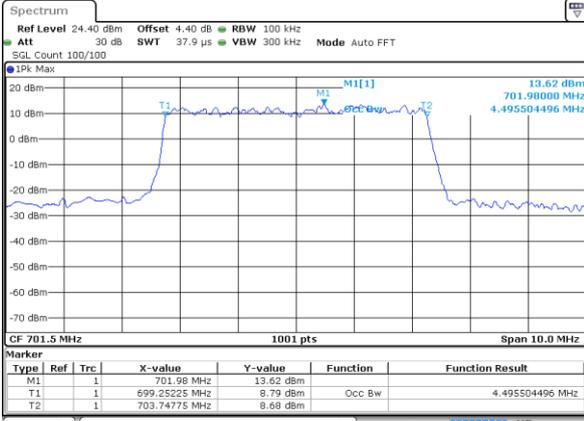


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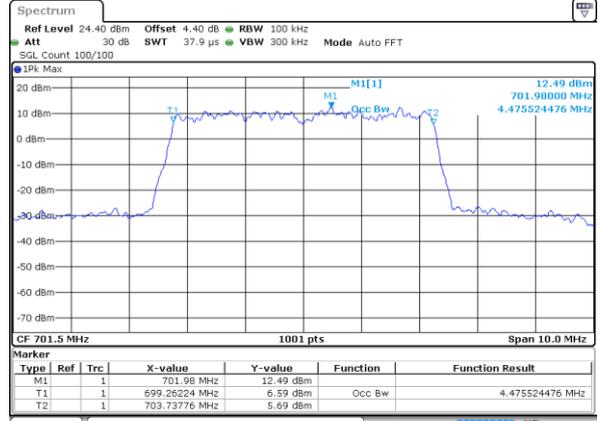


Date: 11.DEC.2018 17:11:11

| Middle Channel / 5MHz / QPSK | Middle Channel / 5MHz / 16QAM |
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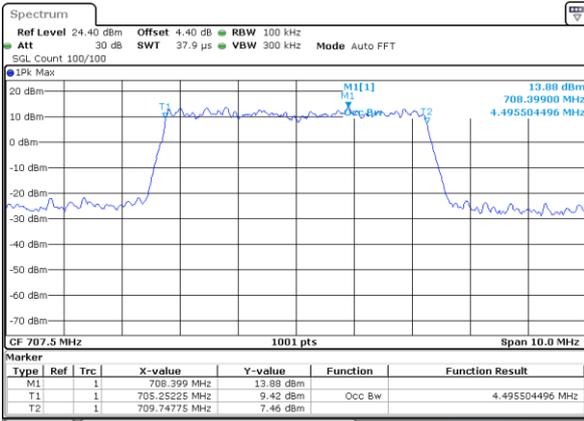


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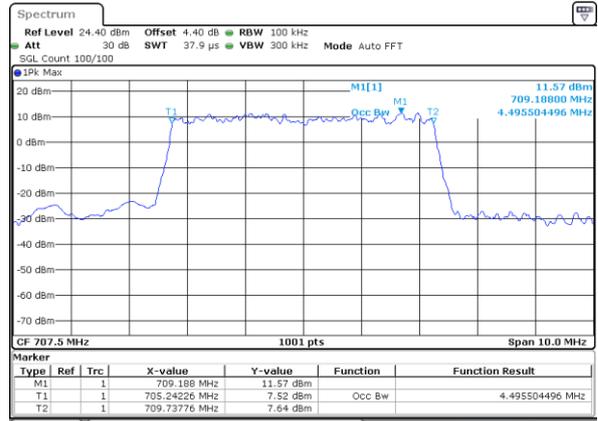


Date: 11.DEC.2018 17:11:21

| Highest Channel / 5MHz / QPSK | Highest Channel / 5MHz / 16QAM |
|:---:|:---:|



Date: 11.DEC.2018 17:11:42



Date: 11.DEC.2018 17:11:52

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| LTE Band 12 | |
|---|---|
| **Lowest Channel / 10MHz / QPSK** | **Lowest Channel / 10MHz / 16QAM** |



Date: 11.DEC.2018 17:27:36

| Marker Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 703.6 MHz | 15.69 dBm | | |
| T1 | | 1 | 699.5245 MHz | 9.41 dBm | Occ Bw | 9.010989011 MHz |
| T2 | | 1 | 708.5355 MHz | 10.54 dBm | | |



Date: 11.DEC.2018 17:27:46

| Marker Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 702.322 MHz | 13.87 dBm | | |
| T1 | | 1 | 699.5245 MHz | 8.15 dBm | Occ Bw | 8.951048951 MHz |
| T2 | | 1 | 708.4755 MHz | 7.38 dBm | | |

| **Middle Channel / 10MHz / QPSK** | **Middle Channel / 10MHz / 16QAM** |
|---|---|



Date: 11.DEC.2018 17:28:07

| Marker Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 708.879 MHz | 16.18 dBm | | |
| T1 | | 1 | 702.9845 MHz | 10.23 dBm | Occ Bw | 9.010989011 MHz |
| T2 | | 1 | 711.9955 MHz | 9.55 dBm | | |



Date: 11.DEC.2018 17:27:56

| Marker Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 710.557 MHz | 13.41 dBm | | |
| T1 | | 1 | 702.9645 MHz | 8.29 dBm | Occ Bw | 9.050949051 MHz |
| T2 | | 1 | 712.0155 MHz | 7.44 dBm | | |

| **Highest Channel / 10MHz / QPSK** | **Highest Channel / 10MHz / 16QAM** |
|---|---|



Date: 11.DEC.2018 17:28:17

| Marker Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 711.759 MHz | 16.02 dBm | | |
| T1 | | 1 | 706.5245 MHz | 9.70 dBm | Occ Bw | 8.971028971 MHz |
| T2 | | 1 | 715.4955 MHz | 8.68 dBm | | |



Date: 11.DEC.2018 17:28:27

| Marker Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 709.202 MHz | 13.89 dBm | | |
| T1 | | 1 | 706.5245 MHz | 8.12 dBm | Occ Bw | 8.971028971 MHz |
| T2 | | 1 | 715.4955 MHz | 7.94 dBm | | |

| LTE Band 12 | |
|---|---|
| **Lowest Channel / 1.4MHz / 64QAM** | **Lowest Channel / 3MHz / 64QAM** |



Date: 11.DEC.2018 17:44:11



Date: 11.DEC.2018 17:45:12

| **Middle Channel / 1.4MHz / 64QAM** | **Middle Channel / 3MHz / 64QAM** |
|---|---|
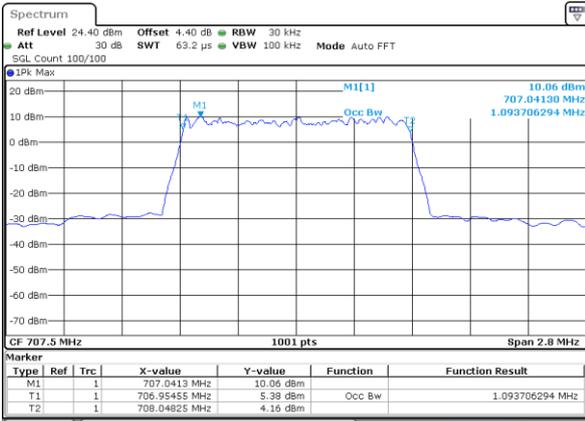


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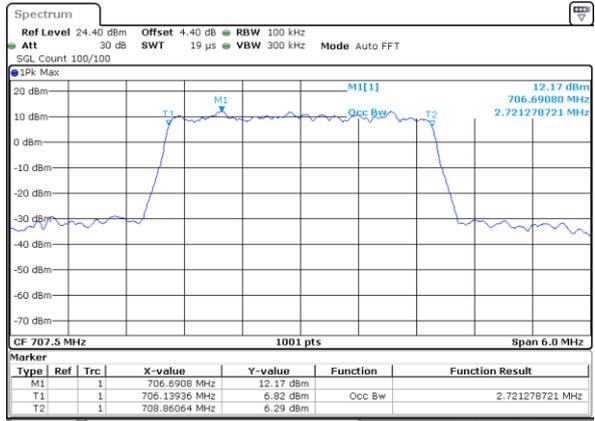


Date: 11.DEC.2018 17:45:32

| **Highest Channel / 1.4MHz / 64QAM** | **Highest Channel / 3MHz / 64QAM** |
|---|---|
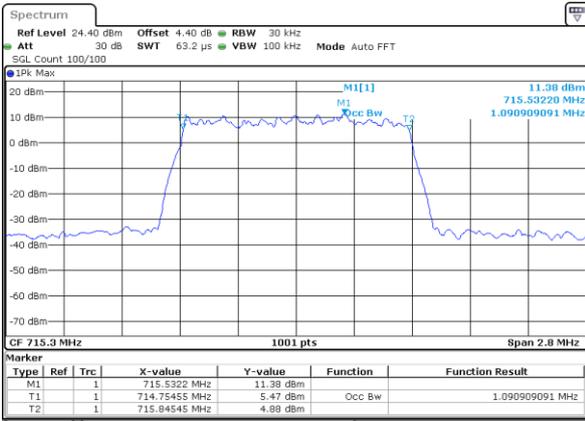


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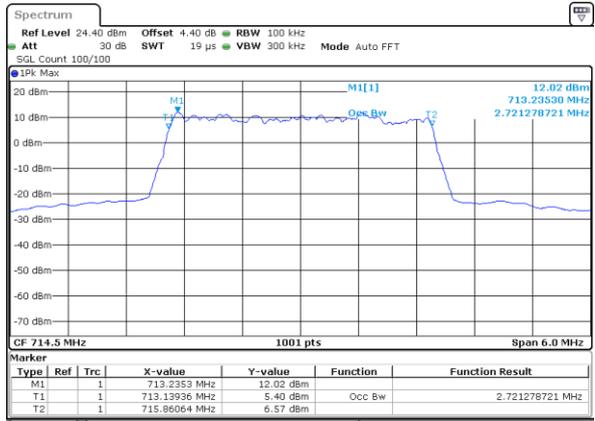


Date: 11.DEC.2018 17:45:52

| LTE Band 12 | |
|---|---|
| **Lowest Channel / 5MHz / 64QAM** | **Lowest Channel / 10MHz / 64QAM** |
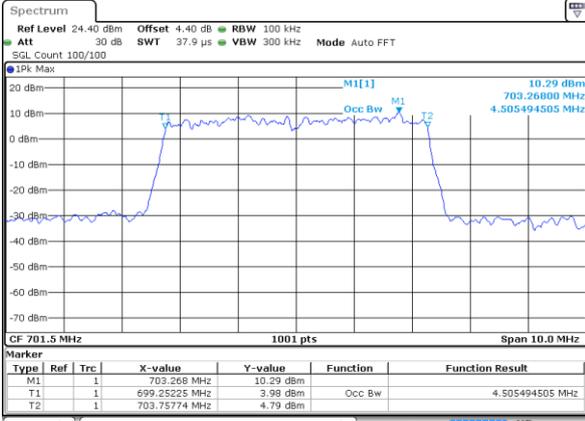


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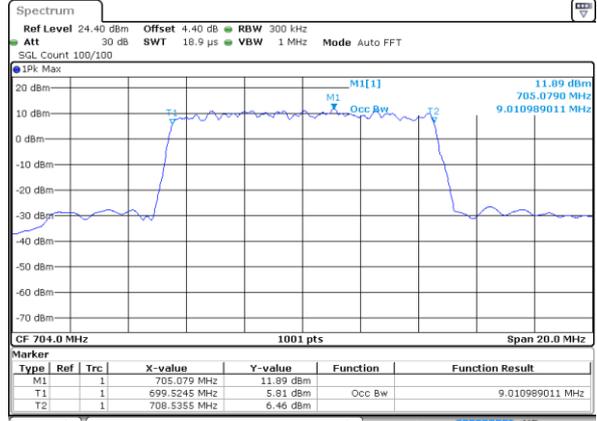


Date: 11.DEC.2018 17:47:12

| **Middle Channel / 5MHz / 64QAM** | **Middle Channel / 10MHz / 64QAM** |
|---|---|
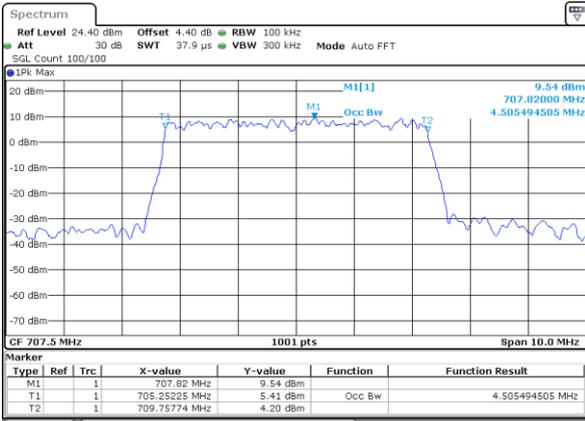


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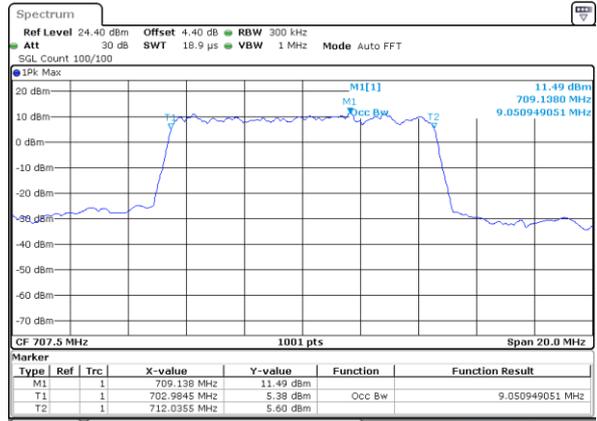


Date: 11.DEC.2018 17:47:32

| **Highest Channel / 5MHz / 64QAM** | **Highest Channel / 10MHz / 64QAM** |
|---|---|
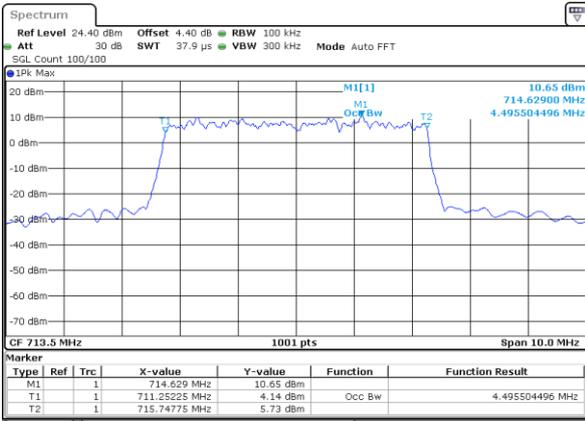


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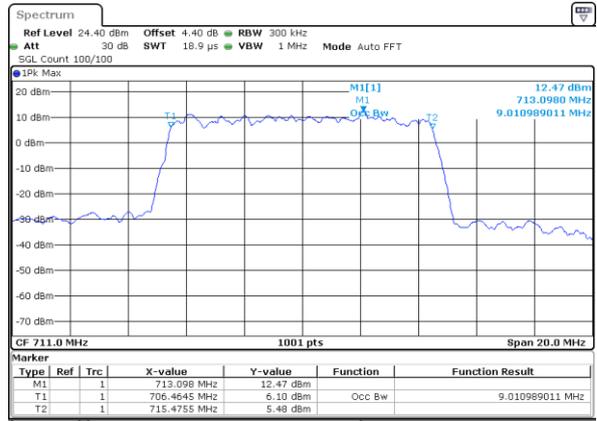


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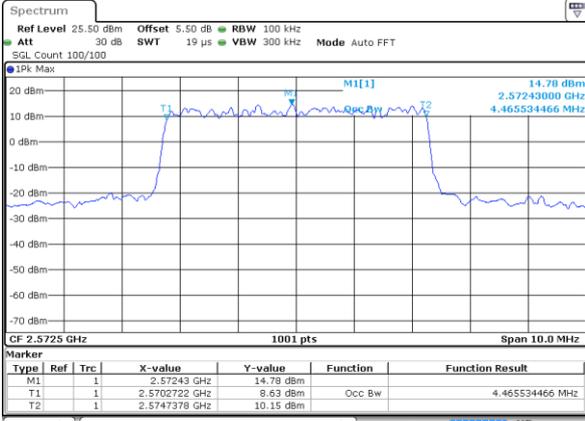
**Sporton International (Kunshan) Inc.**
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## LTE Band 38

| Lowest Channel / 5MHz / QPSK | Lowest Channel / 5MHz / 16QAM |
|---|---|
|  |  |

| Middle Channel / 5MHz / QPSK | Middle Channel / 5MHz / 16QAM |
|---|---|
|  |  |

| Highest Channel / 5MHz / QPSK | Highest Channel / 5MHz / 16QAM |
|---|---|
|  |  |

**Sporton International (Kunshan) Inc.**
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FAX : 86-512-57900958
FCC ID : 2AFZZ-XMSF1G

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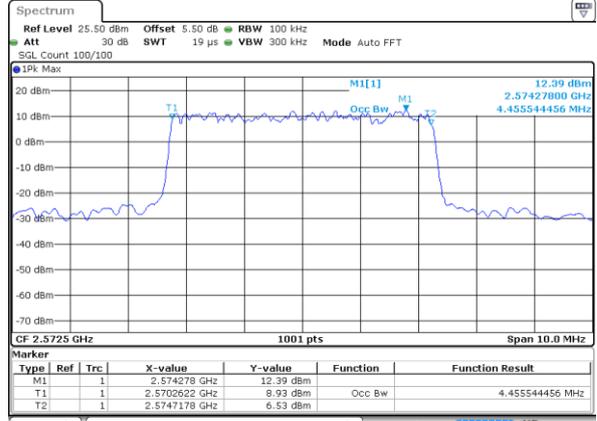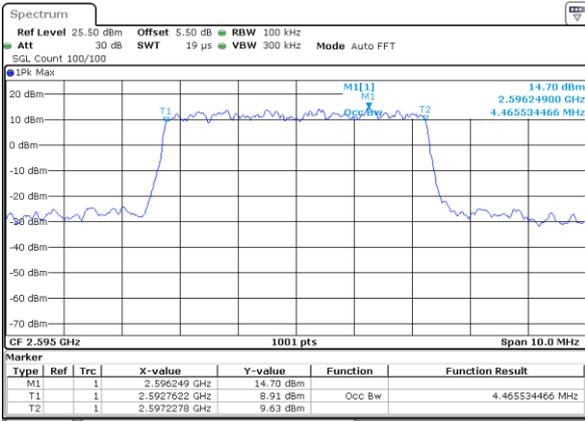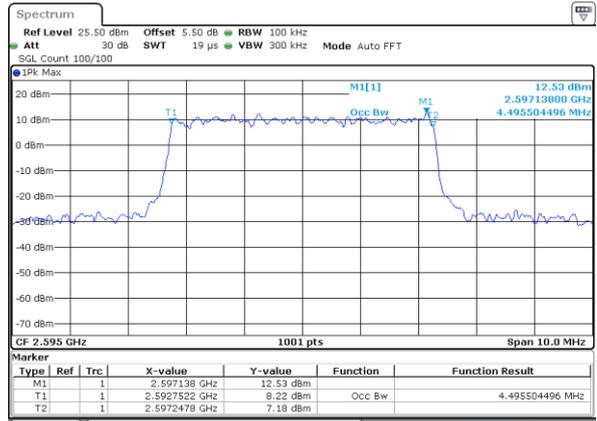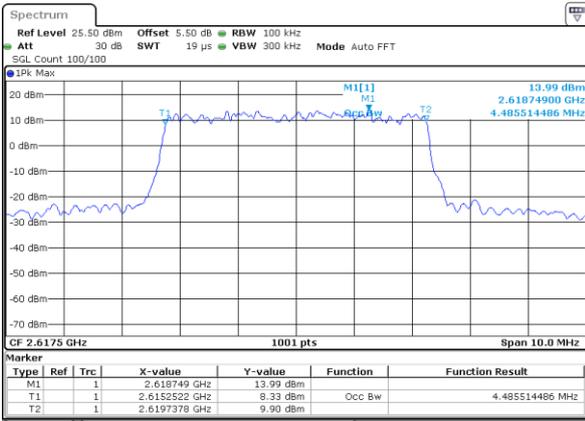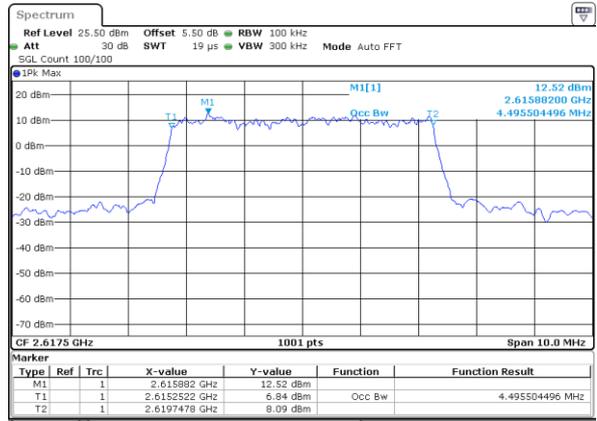
## LTE Band 38

| Lowest Channel / 10MHz / QPSK | Lowest Channel / 10MHz / 16QAM |
|---|---|
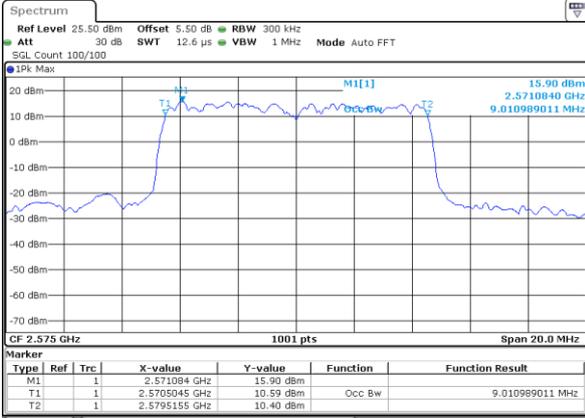


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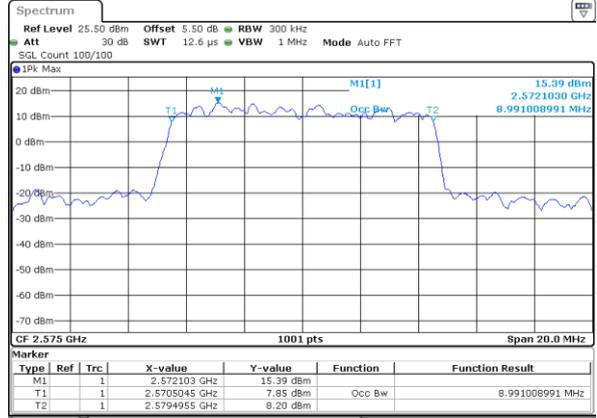


Date: 21.DEC.2018 15:49:16

| Middle Channel / 10MHz / QPSK | Middle Channel / 10MHz / 16QAM |
|---|---|
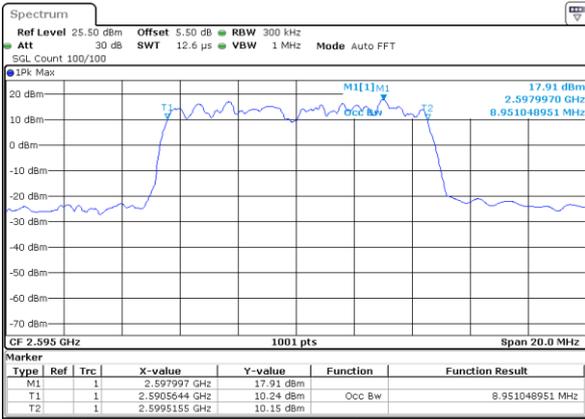


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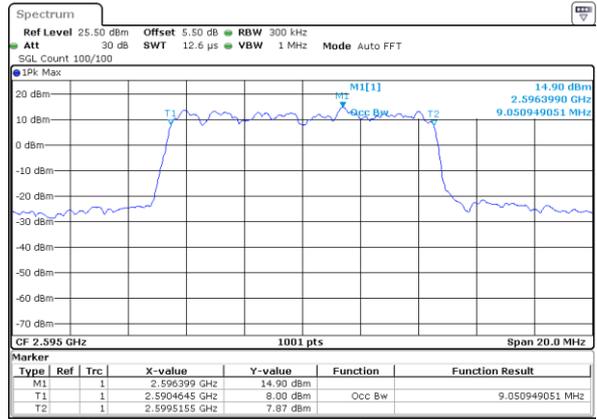


Date: 21.DEC.2018 15:49:56

| Highest Channel / 10MHz / QPSK | Highest Channel / 10MHz / 16QAM |
|---|---|



Date: 21.DEC.2018 15:50:27



Date: 21.DEC.2018 15:50:37

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| LTE Band 38 | |
|---|---|
| **Lowest Channel / 15MHz / QPSK** | **Lowest Channel / 15MHz / 16QAM** |



Date: 21.DEC.2018 15:51:07

| Marker | | | | | |
|---|---|---|---|---|---|
| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
| M1 | | 1 | 2.578699 GHz | 15.25 dBm | | |
| T1 | | 1 | 2.5707867 GHz | 9.76 dBm | Occ Bw | 13.396603397 MHz |
| T2 | | 1 | 2.5841833 GHz | 9.14 dBm | | |



Date: 21.DEC.2018 15:51:17

| Marker | | | | | |
|---|---|---|---|---|---|
| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
| M1 | | 1 | 2.580437 GHz | 13.00 dBm | | |
| T1 | | 1 | 2.5708167 GHz | 7.77 dBm | Occ Bw | 13.366633367 MHz |
| T2 | | 1 | 2.5841833 GHz | 6.89 dBm | | |

| **Middle Channel / 15MHz / QPSK** | **Middle Channel / 15MHz / 16QAM** |
|---|---|



Date: 21.DEC.2018 15:51:48

| Marker | | | | | |
|---|---|---|---|---|---|
| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
| M1 | | 1 | 2.597458 GHz | 14.91 dBm | | |
| T1 | | 1 | 2.5882867 GHz | 9.84 dBm | Occ Bw | 13.456543457 MHz |
| T2 | | 1 | 2.6017433 GHz | 9.19 dBm | | |



Date: 21.DEC.2018 15:51:58

| Marker | | | | | |
|---|---|---|---|---|---|
| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
| M1 | | 1 | 2.598387 GHz | 13.34 dBm | | |
| T1 | | 1 | 2.5883467 GHz | 6.26 dBm | Occ Bw | 13.396603397 MHz |
| T2 | | 1 | 2.6017433 GHz | 7.66 dBm | | |

| **Highest Channel / 15MHz / QPSK** | **Highest Channel / 15MHz / 16QAM** |
|---|---|



Date: 21.DEC.2018 15:52:28

| Marker | | | | | |
|---|---|---|---|---|---|
| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
| M1 | | 1 | 2.608934 GHz | 14.72 dBm | | |
| T1 | | 1 | 2.6057268 GHz | 10.23 dBm | Occ Bw | 13.546453546 MHz |
| T2 | | 1 | 2.6192732 GHz | 10.01 dBm | | |



Date: 21.DEC.2018 15:52:39

| Marker | | | | | |
|---|---|---|---|---|---|
| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
| M1 | | 1 | 2.616846 GHz | 13.21 dBm | | |
| T1 | | 1 | 2.6057867 GHz | 6.89 dBm | Occ Bw | 13.426573427 MHz |
| T2 | | 1 | 2.6192133 GHz | 5.91 dBm | | |

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| LTE Band 38 | |
| --- | --- |
| **Lowest Channel / 20MHz / QPSK** | **Lowest Channel / 20MHz / 16QAM** |





Date: 21.DEC.2018 15:53:09

Date: 21.DEC.2018 15:53:19

| **Middle Channel / 20MHz / QPSK** | **Middle Channel / 20MHz / 16QAM** |
| --- | --- |
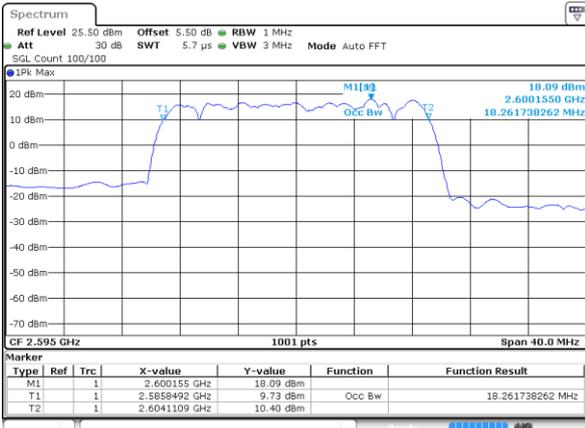




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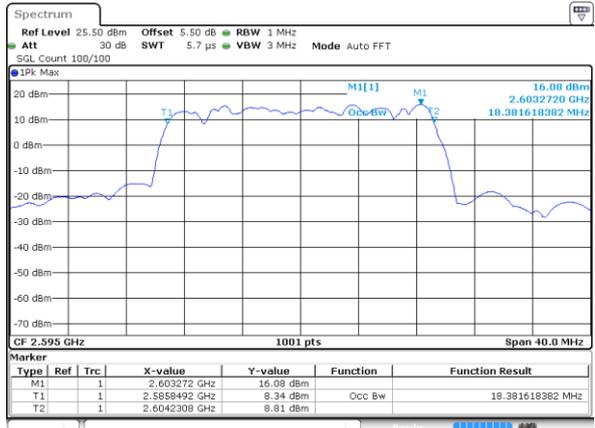
Date: 21.DEC.2018 15:54:00

| **Highest Channel / 20MHz / QPSK** | **Highest Channel / 20MHz / 16QAM** |
| --- | --- |
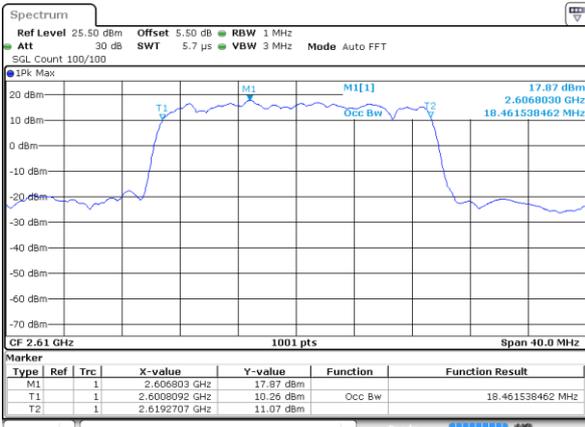




Date: 21.DEC.2018 15:54:30

Date: 21.DEC.2018 15:54:40

**Sporton International (Kunshan) Inc.**
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Report Issued Date : Jan. 17, 2019
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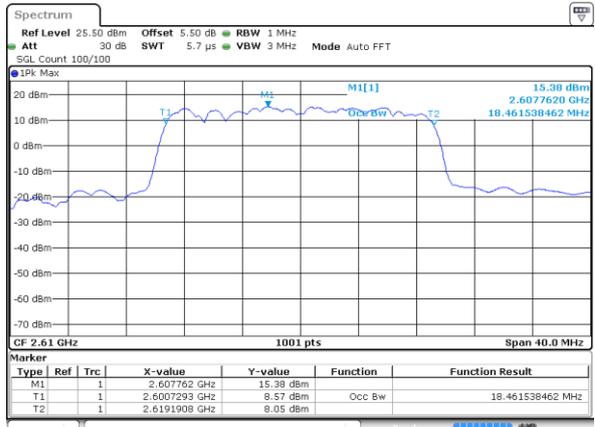
## LTE Band 38

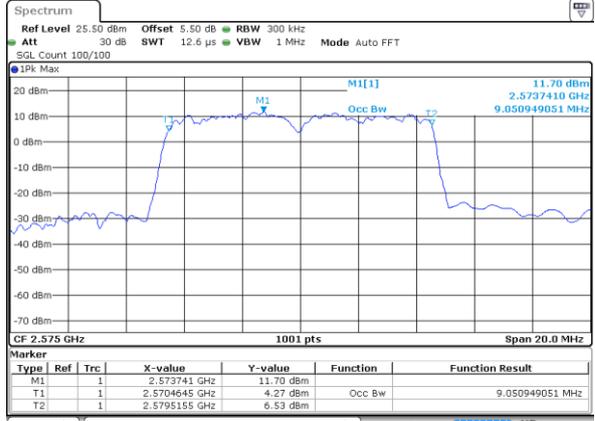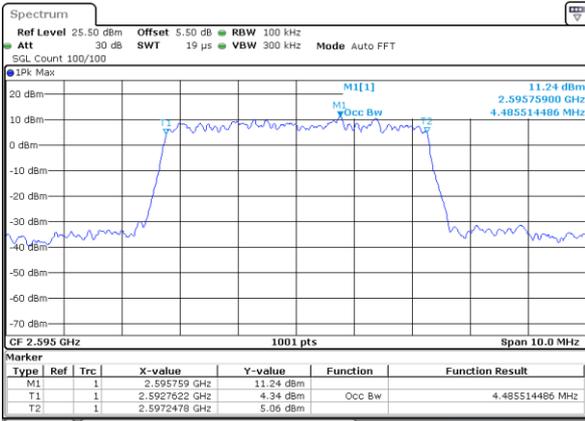### Lowest Channel / 5MHz / 64QAM
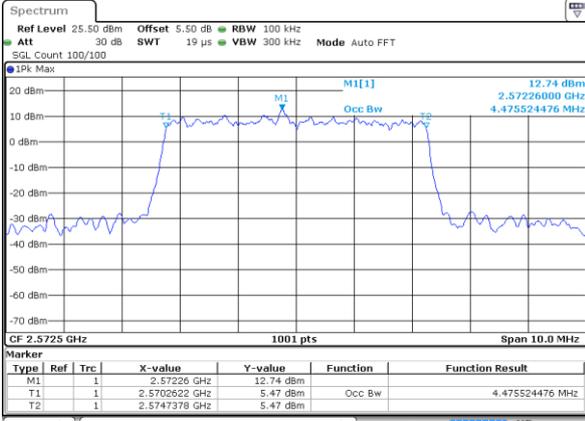


Date: 21.DEC.2018 15:55:11

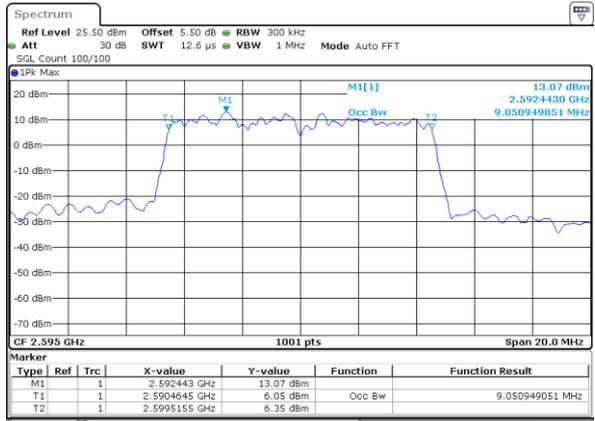### Lowest Channel / 10MHz / 64QAM



Date: 21.DEC.2018 15:56:12
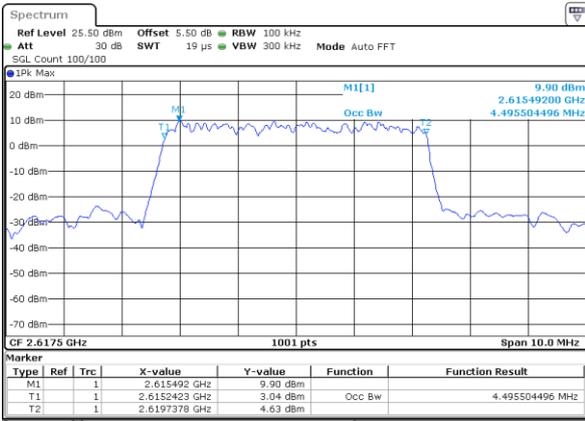
### Middle Channel / 5MHz / 64QAM



Date: 24.DEC.2018 13:54:52
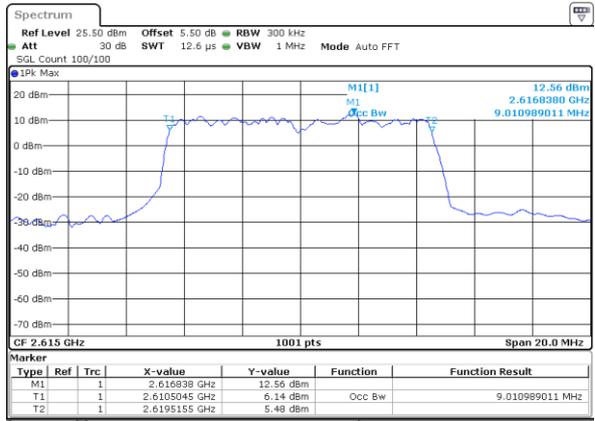
### Middle Channel / 10MHz / 64QAM



Date: 21.DEC.2018 15:56:32

### Highest Channel / 5MHz / 64QAM



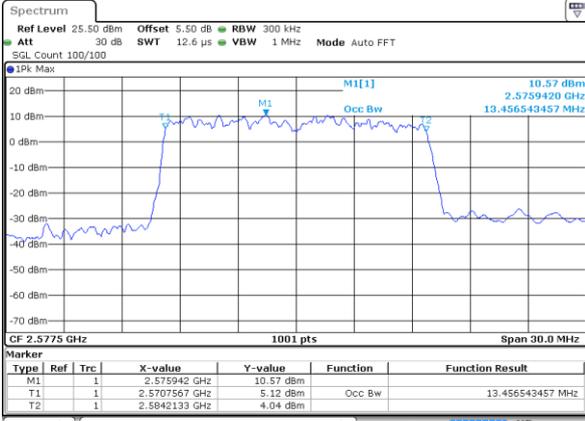Date: 21.DEC.2018 15:55:51

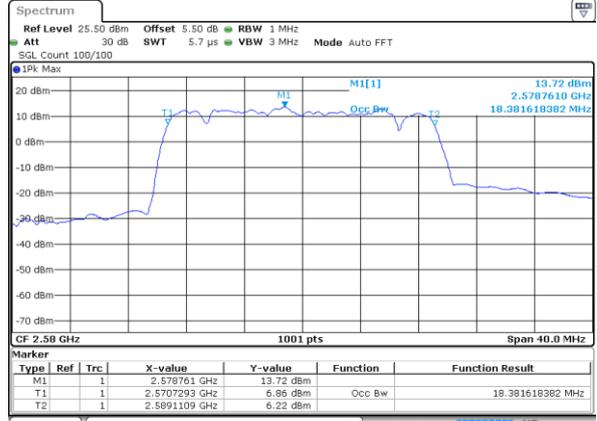### Highest Channel / 10MHz / 64QAM



Date: 21.DEC.2018 15:56:52

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## LTE Band 38

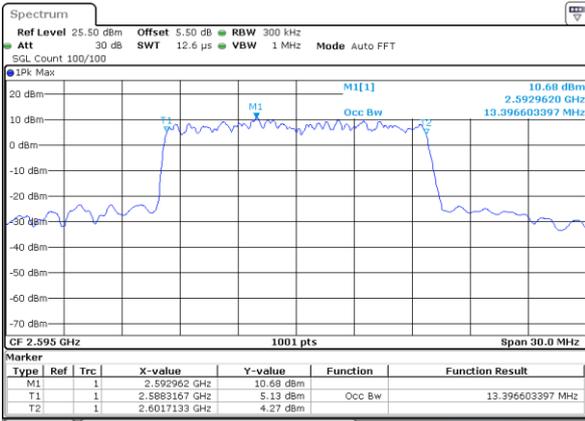### Lowest Channel / 15MHz / 64QAM



Date: 21.DEC.2018 15:57:12

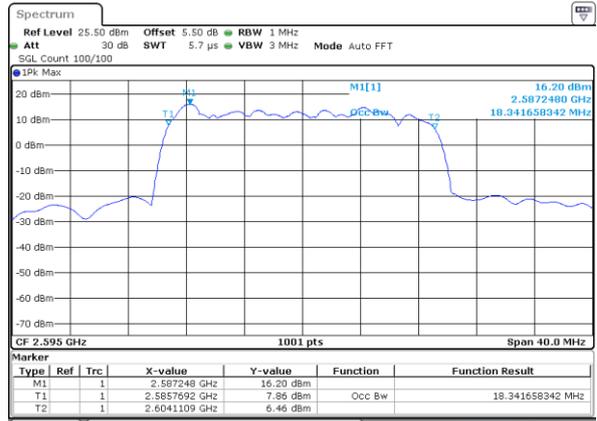### Lowest Channel / 20MHz / 64QAM



Date: 21.DEC.2018 15:58:13
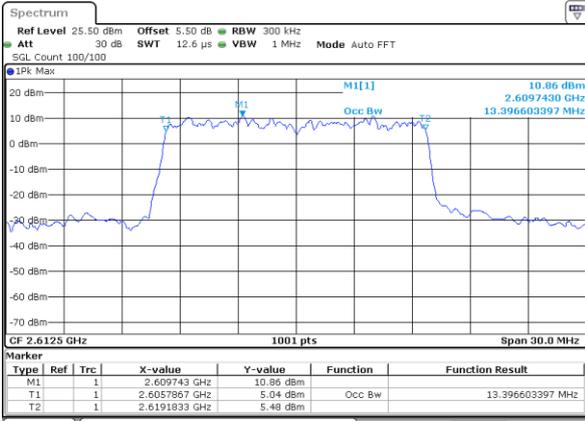
### Middle Channel / 15MHz / 64QAM



Date: 21.DEC.2018 15:57:33
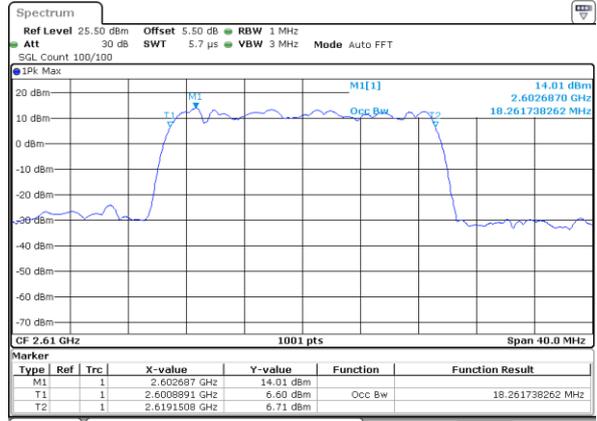
### Middle Channel / 20MHz / 64QAM



Date: 21.DEC.2018 15:58:33

### Highest Channel / 15MHz / 64QAM



Date: 21.DEC.2018 15:57:53

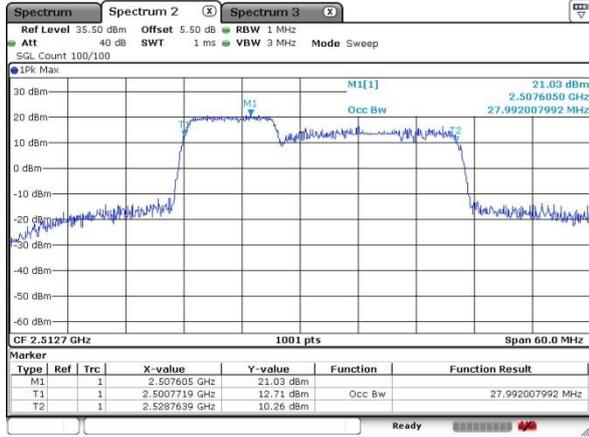### Highest Channel / 20MHz / 64QAM



Date: 21.DEC.2018 15:58:53

## For CA

| LTE Band 7 | |
|---|---|
| **QPSK** | |
| **Lowest Channel / 10MHz+20MHz** | **-** |
|  | **-** |
| **Middle Channel / 10MHz+20MHz** | **-** |
|  | **-** |
| **Highest Channel / 10MHz+20MHz** | **-** |
|  | **-** |

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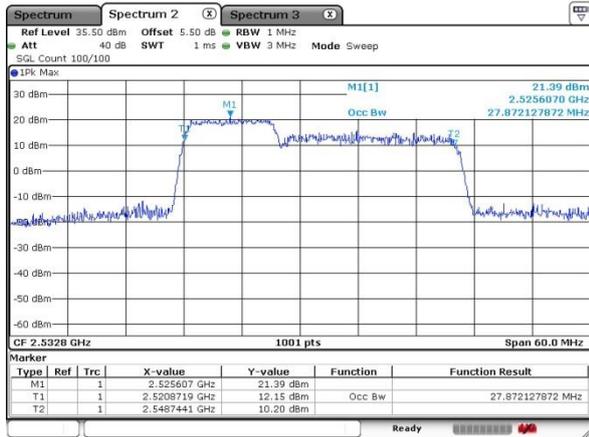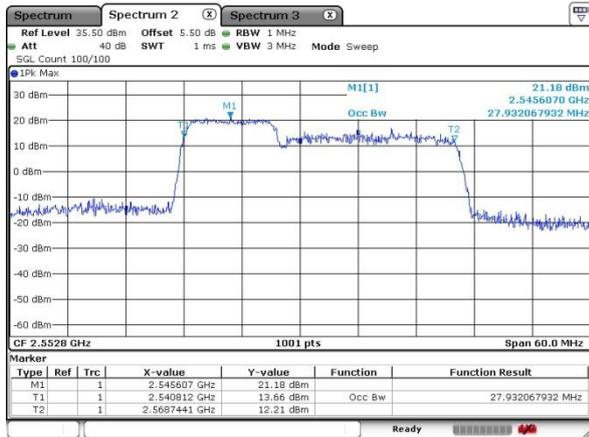
| LTE Band 7 |
| --- |
| QPSK |

| Lowest Channel / 15MHz+10MHz | Lowest Channel / 15MHz+15MHz |
| --- | --- |
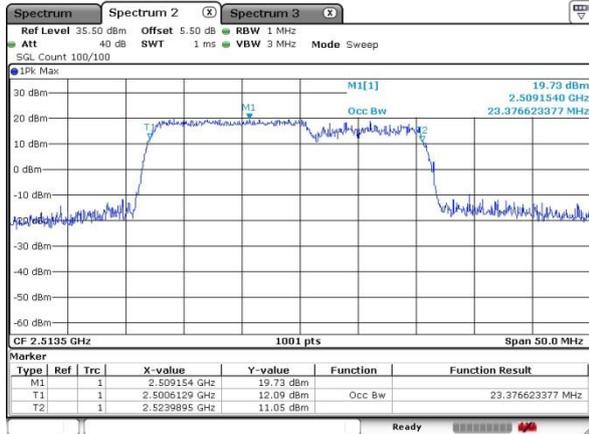


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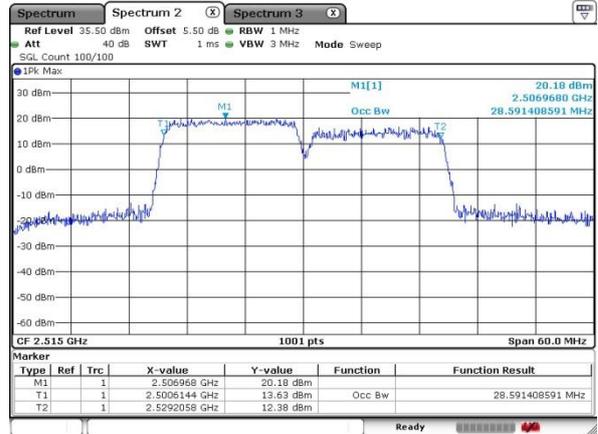


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| Middle Channel / 15MHz+10MHz | Middle Channel / 15MHz+15MHz |
| --- | --- |
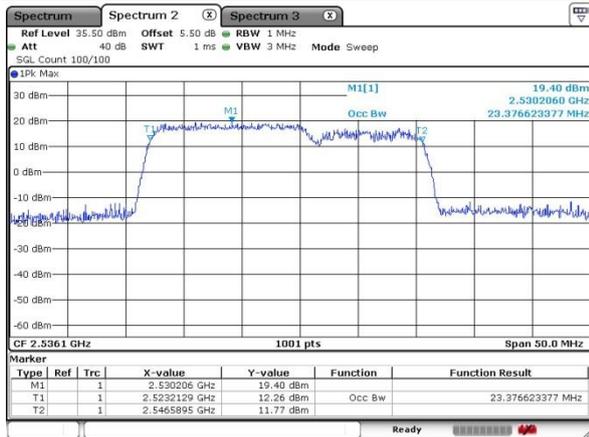


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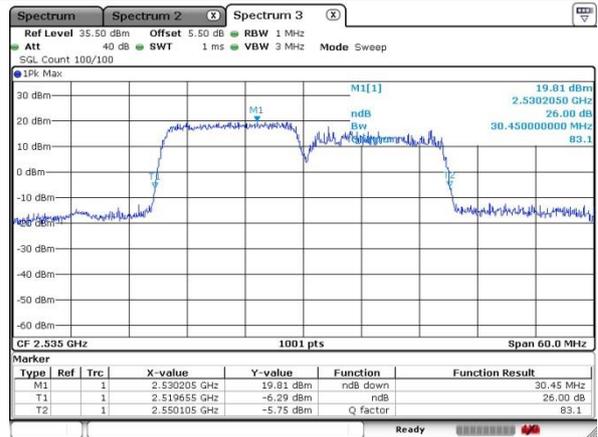


Date: 4.JAN.2019 19:10:25

| Highest Channel / 15MHz+10MHz | Highest Channel / 15MHz+15MHz |
| --- | --- |
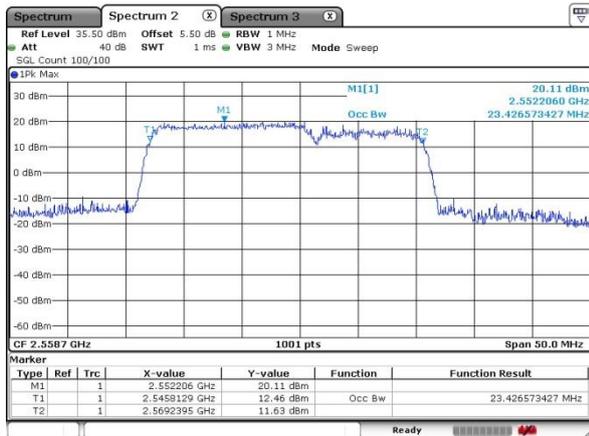


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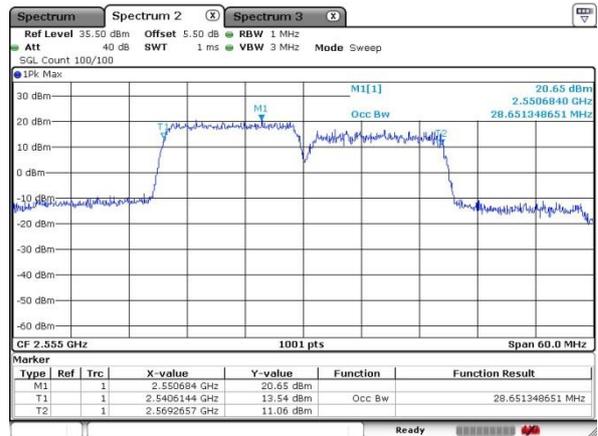


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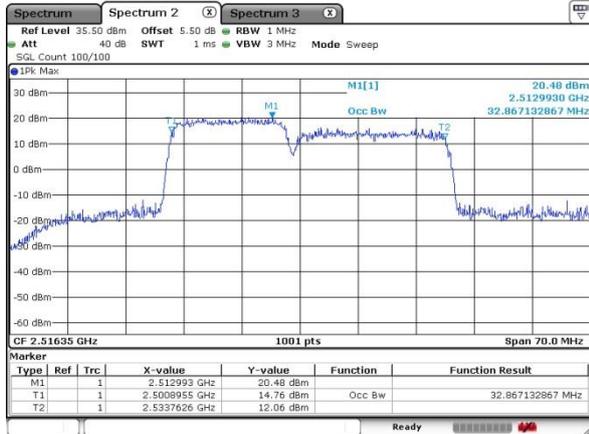
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| LTE Band 7 |
| --- |
| QPSK |

| Lowest Channel / 15MHz+20MHz | Lowest Channel / 20MHz+10MHz |
| --- | --- |
|  |  |

| Middle Channel / 15MHz+20MHz | Middle Channel / 20MHz+10MHz |
| --- | --- |
|  |  |

| Highest Channel / 15MHz+20MHz | Highest Channel / 20MHz+10MHz |
| --- | --- |
|  |  |

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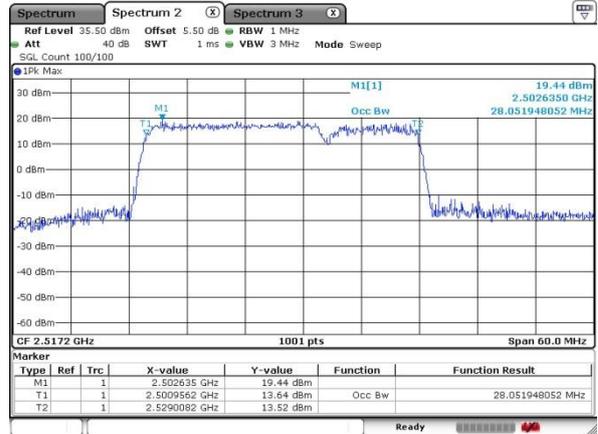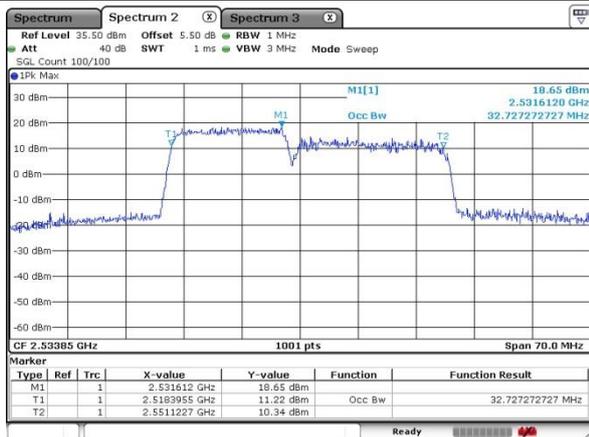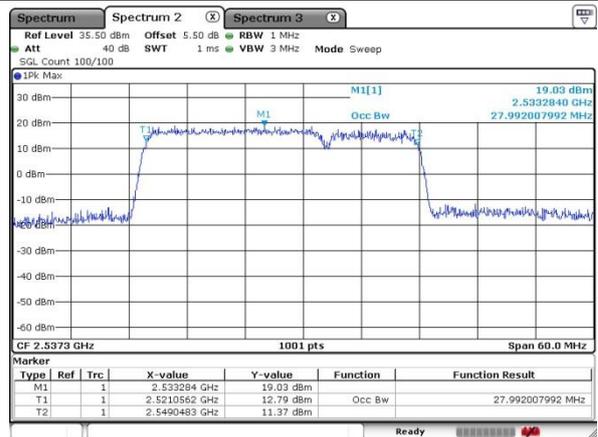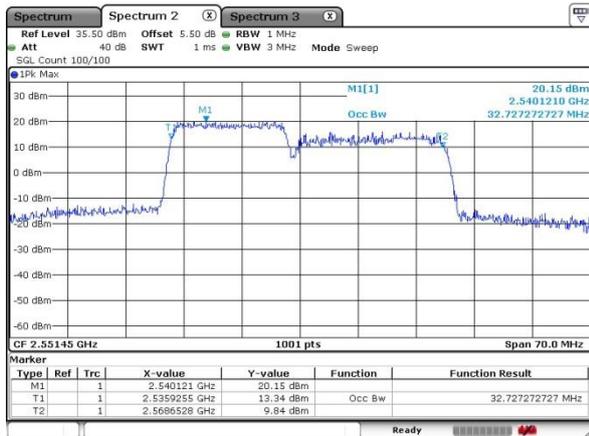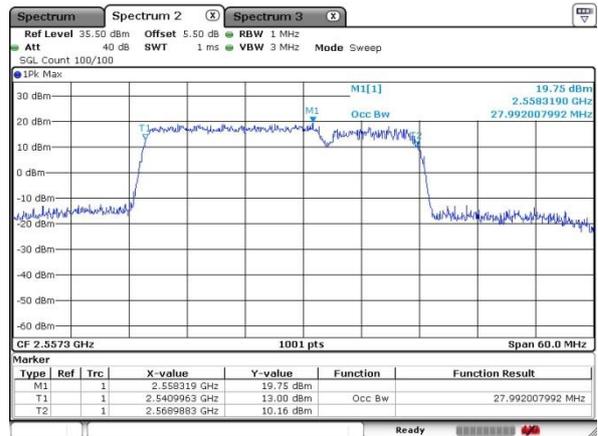
| LTE Band 7 |
| :---: |
| QPSK |

| Lowest Channel / 20MHz+15MHz | Lowest Channel / 20MHz+20MHz |
| :---: | :---: |
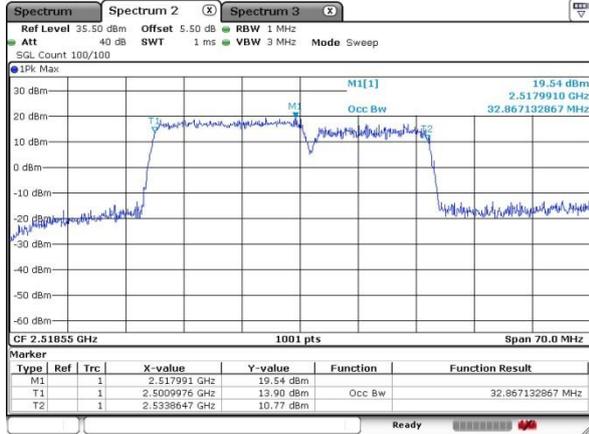


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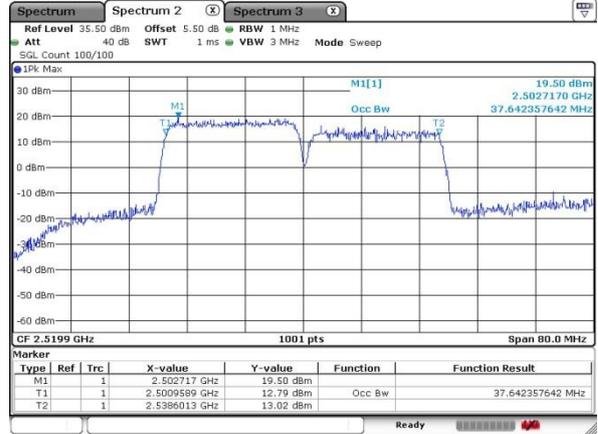


Date: 3.JAN.2019 18:48:51

| Middle Channel / 20MHz+15MHz | Middle Channel / 20MHz+20MHz |
| :---: | :---: |
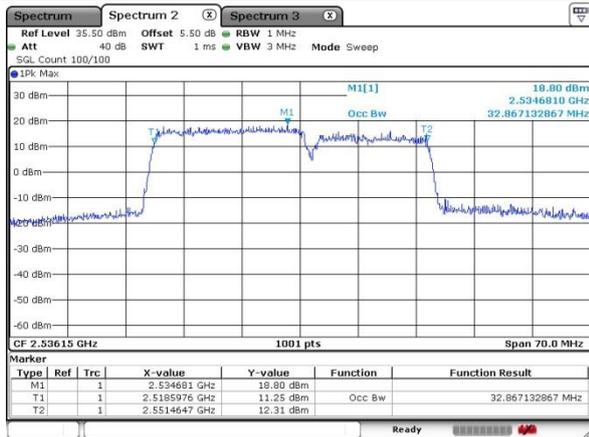


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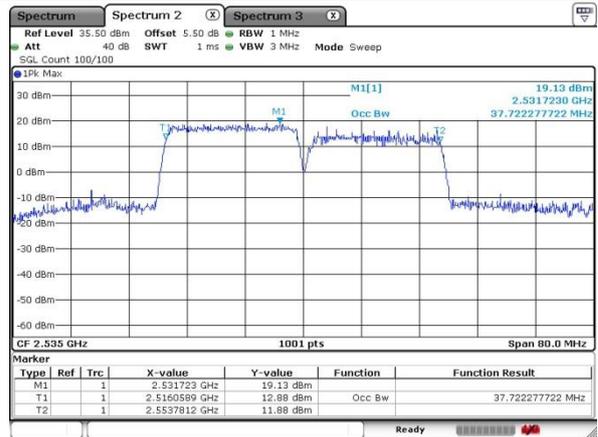


Date: 3.JAN.2019 18:57:40

| Highest Channel / 20MHz+15MHz | Highest Channel / 20MHz+20MHz |
| :---: | :---: |



Date: 3.JAN.2019 18:43:02



Date: 3.JAN.2019 19:00:50

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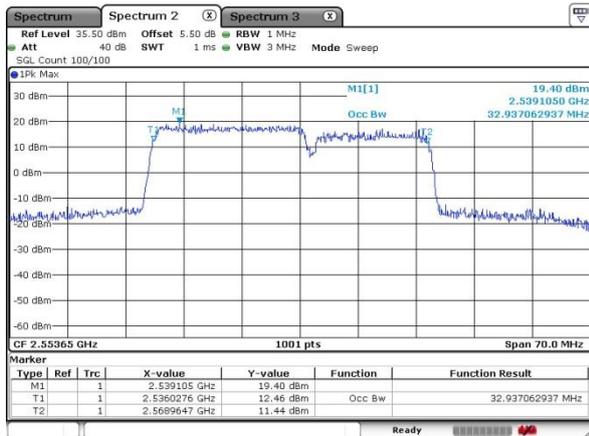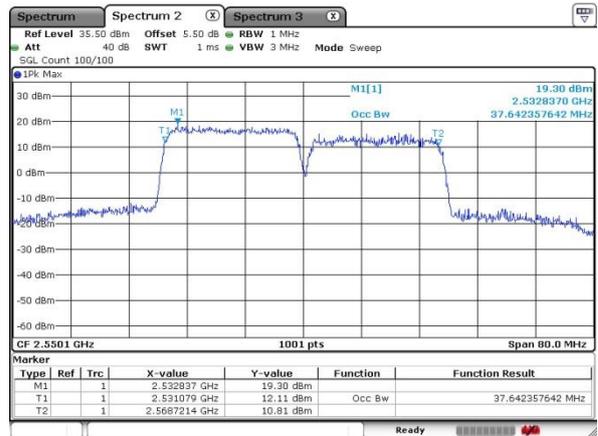
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| LTE Band 7 | |
|---|---|
| **16QAM** | |
| **Lowest Channel / 10MHz+20MHz** | **-** |
|  | **-** |
| **Middle Channel / 10MHz+20MHz** | **-** |
|  | **-** |
| **Highest Channel / 10MHz+20MHz** | **-** |
|  | **-** |

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