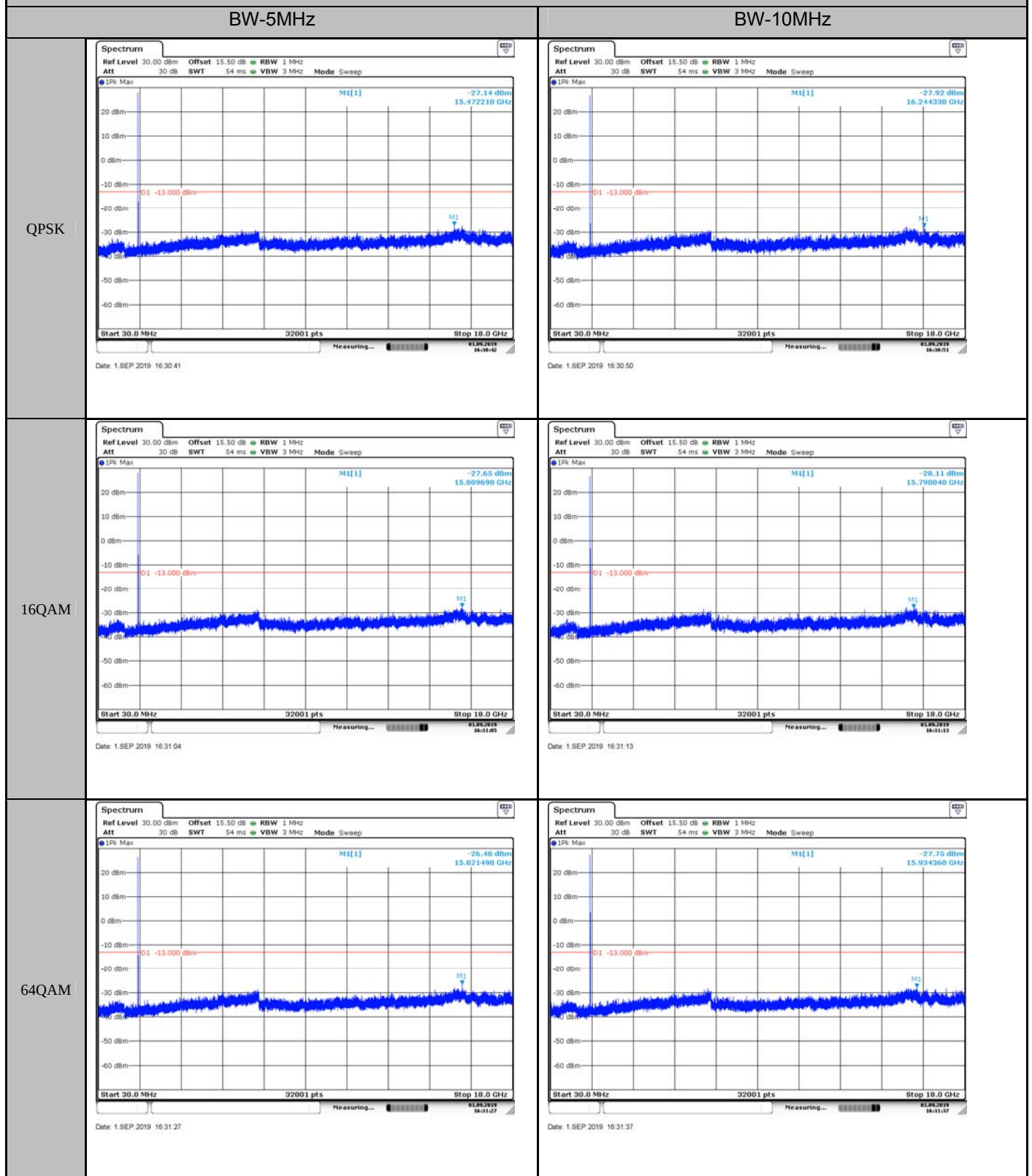
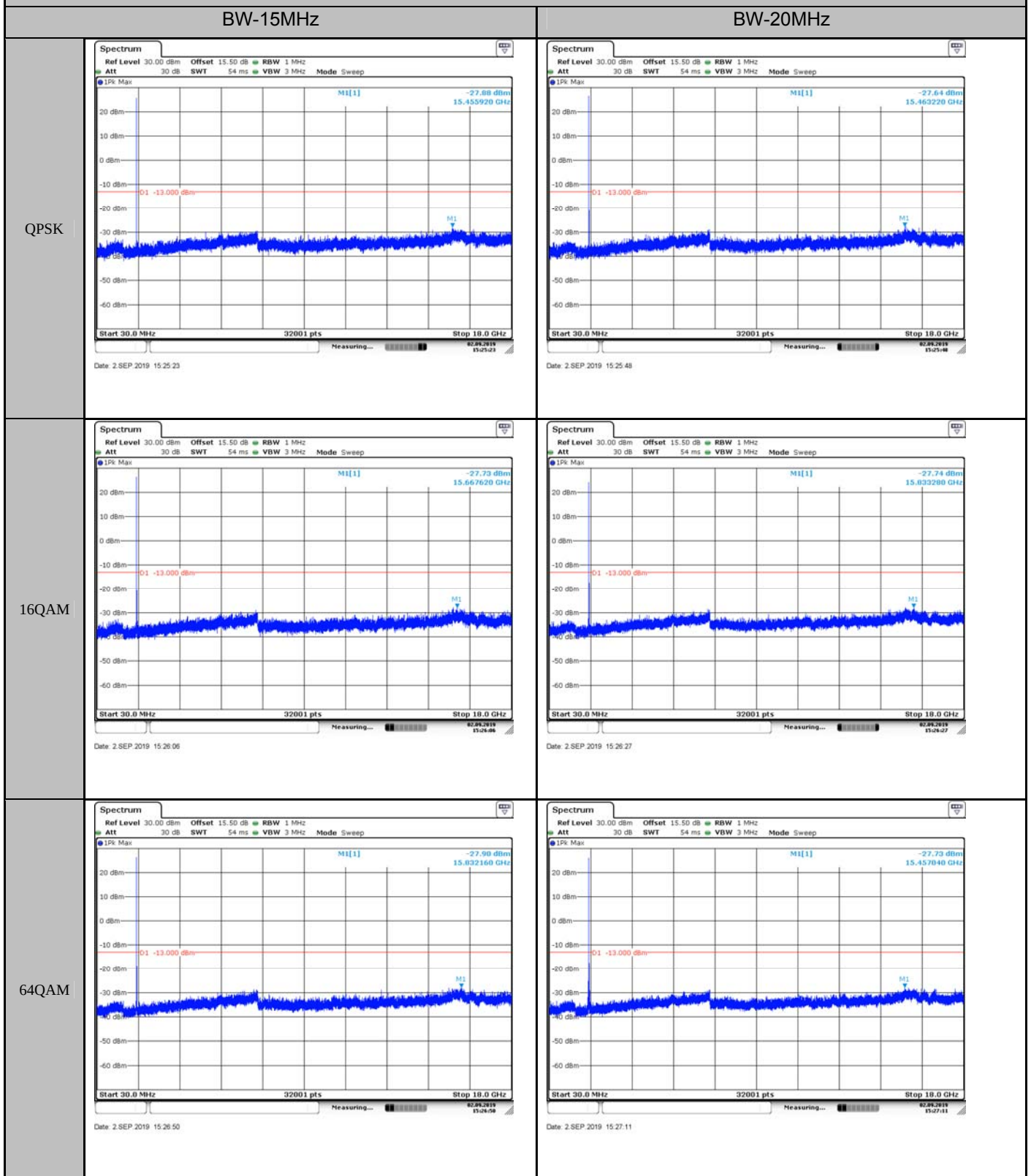


LTE Band66: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS - Middle Channel - RB1#0



LTE Band66: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS - Middle Channel - RB1#0

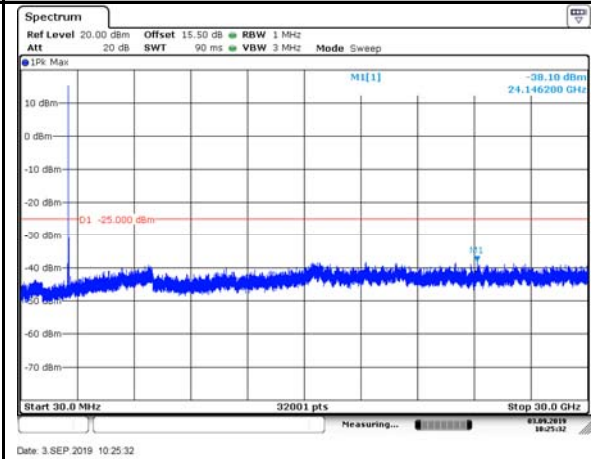
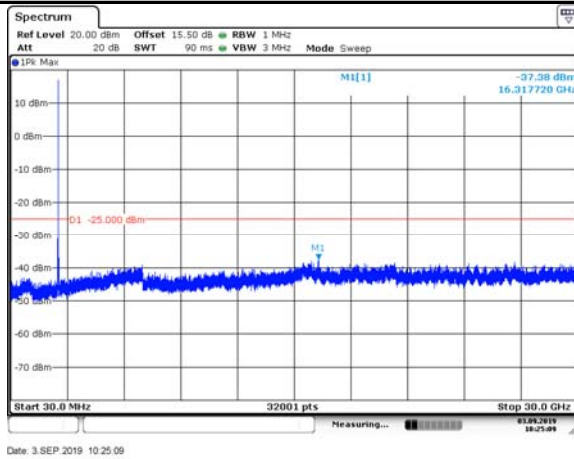


LTE Band 7\_CA: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS - Middle Channel

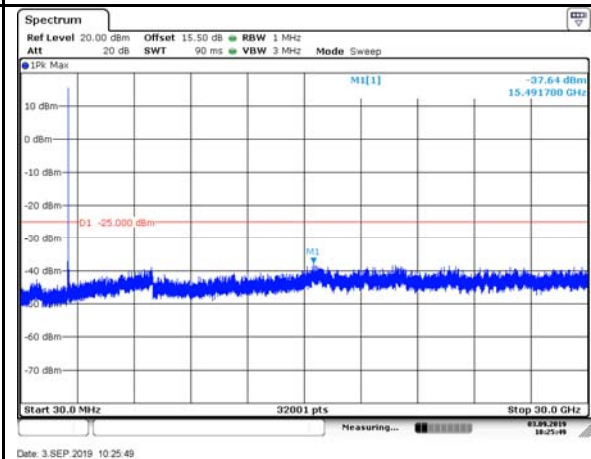
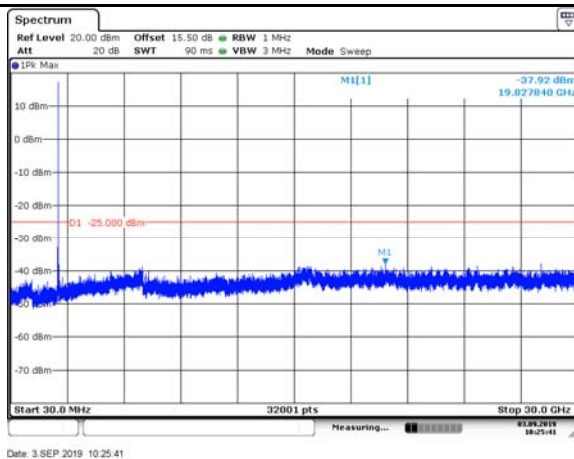
10+20MHz – Middle Channel - RB1#0 & RB1#99

20+10MHz – Middle Channel - RB1#0 & RB1#49

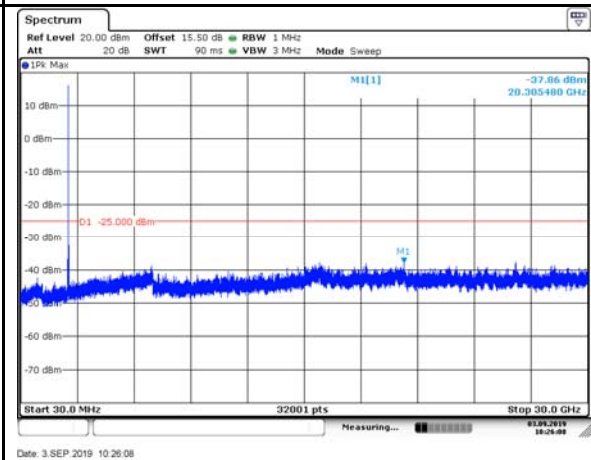
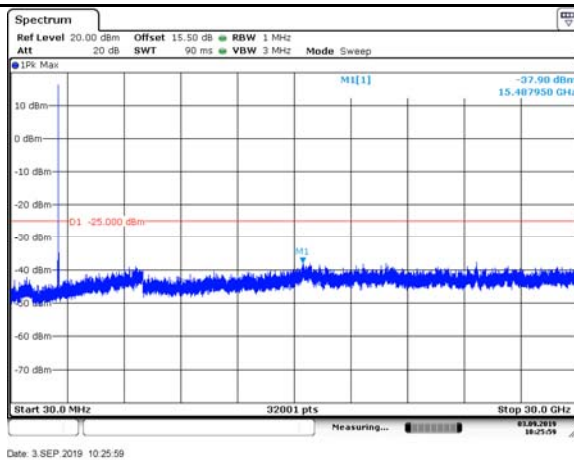
QPSK



16QAM



64QAM

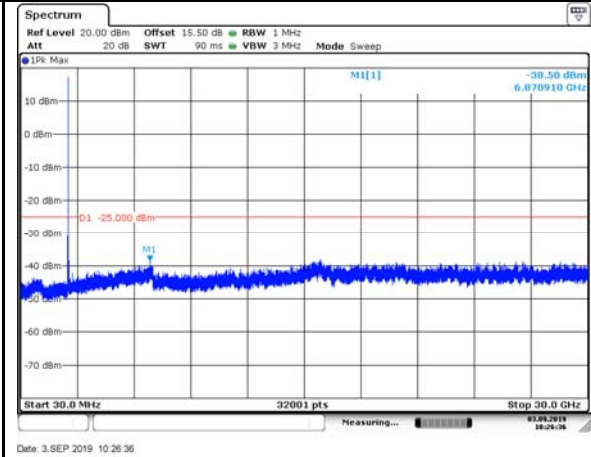
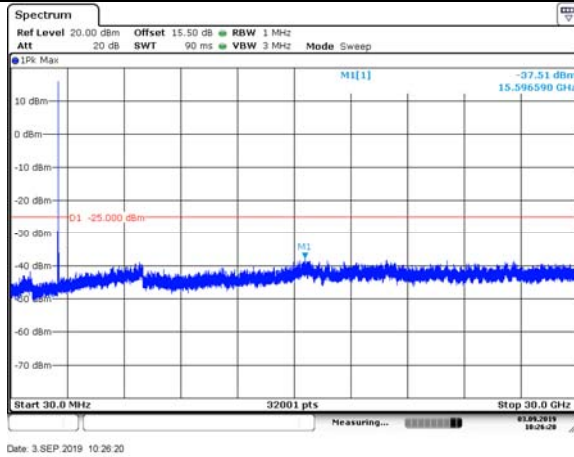


LTE Band 7\_CA: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS - Middle Channel

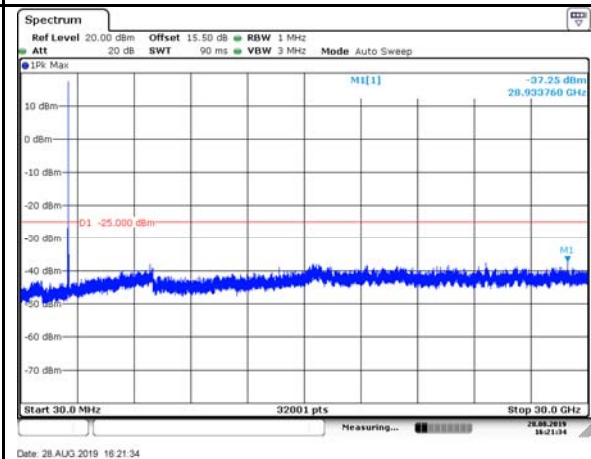
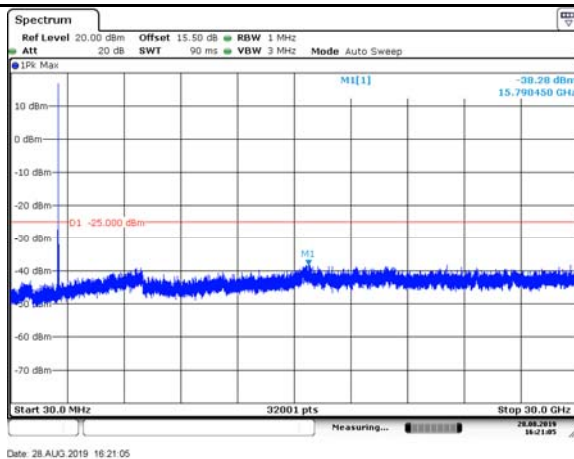
15+10MHz – Middle Channel - RB1#0 & RB1#49

15+15MHz – Middle Channel - RB1#0 & RB1#74

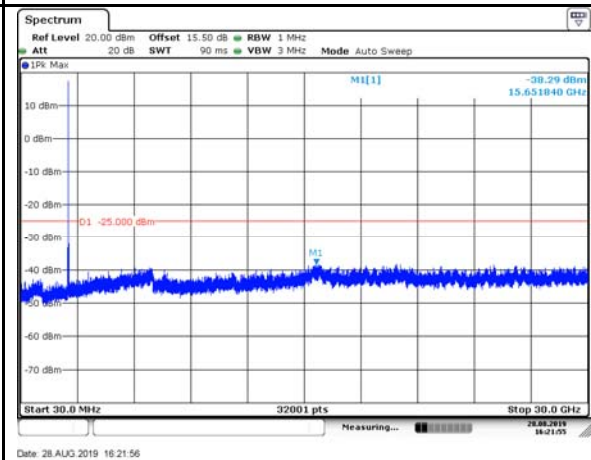
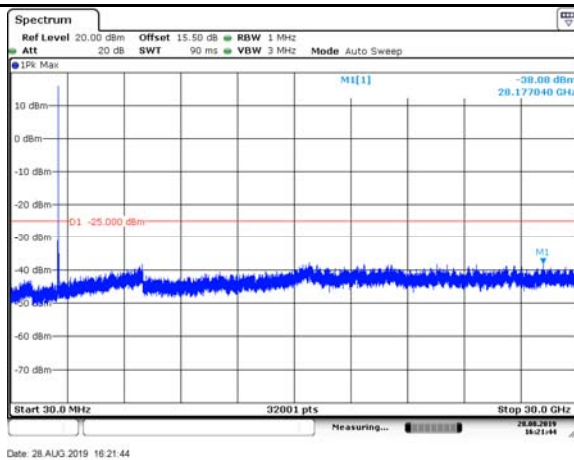
QPSK



16QAM



64QAM

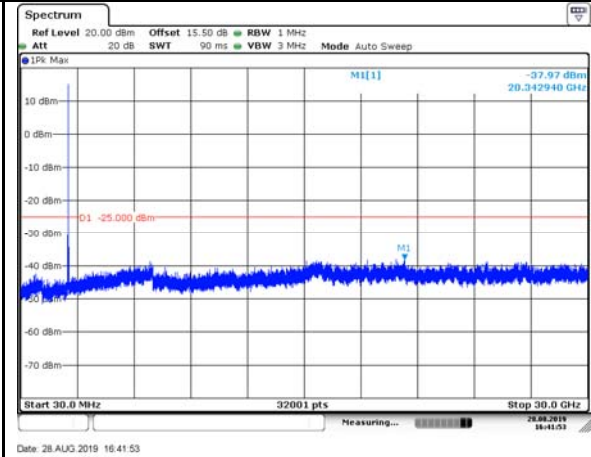
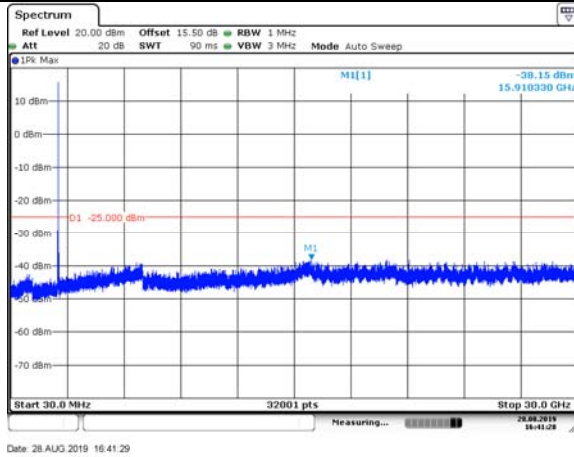


LTE Band 7\_CA: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS - Middle Channel

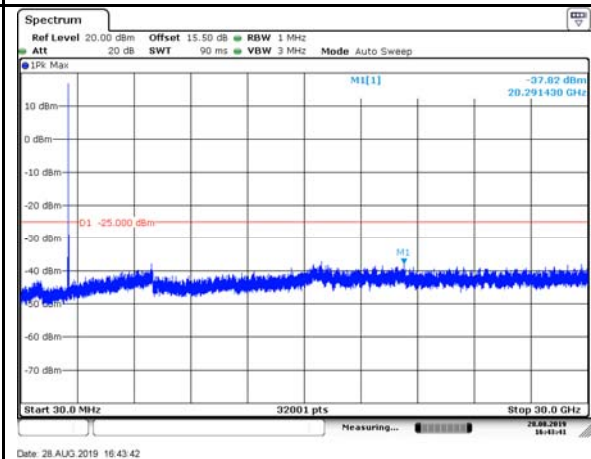
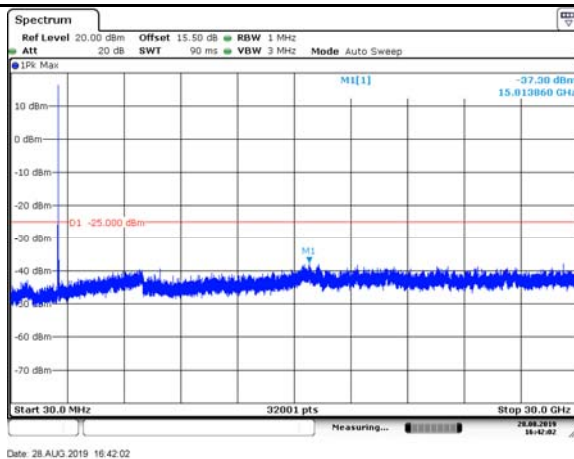
15+20MHz – Middle Channel - RB1#0 & RB1#99

20+15MHz – Middle Channel - RB1#0 & RB1#74

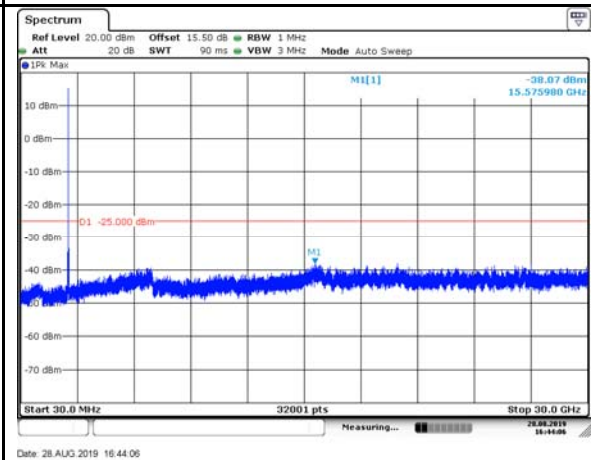
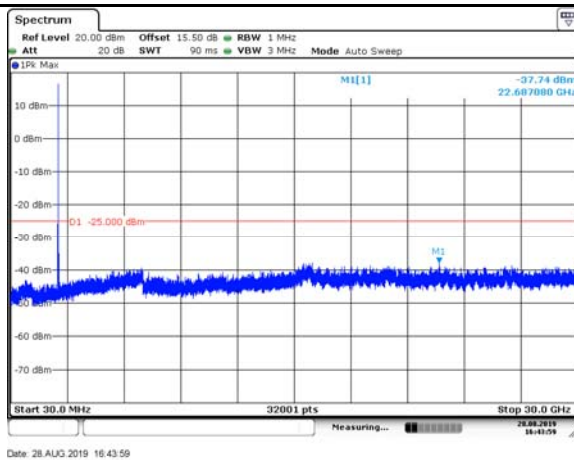
QPSK



16QAM



64QAM

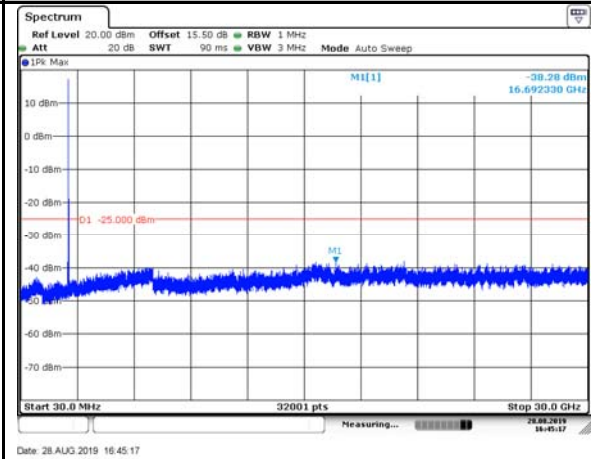
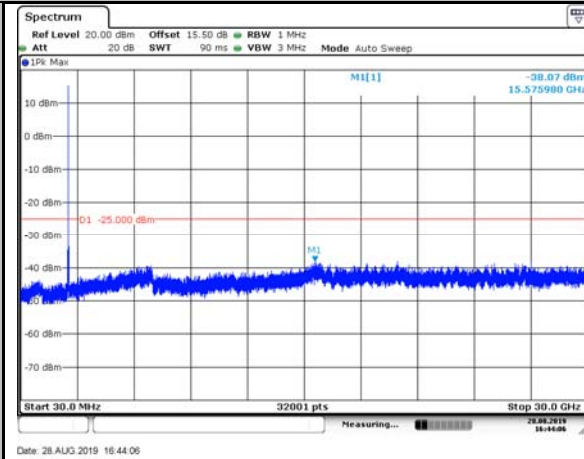


LTE Band 7\_CA: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS - Middle Channel

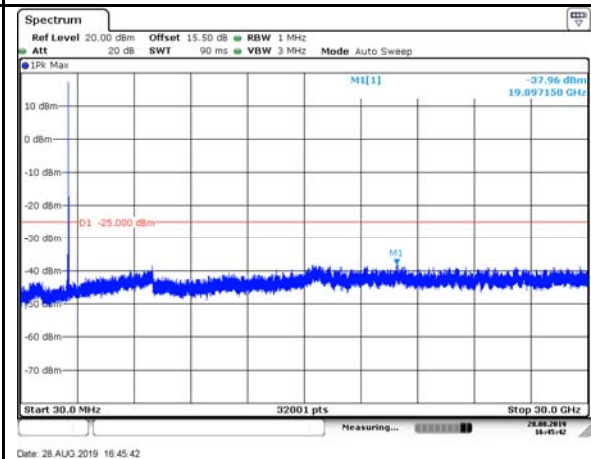
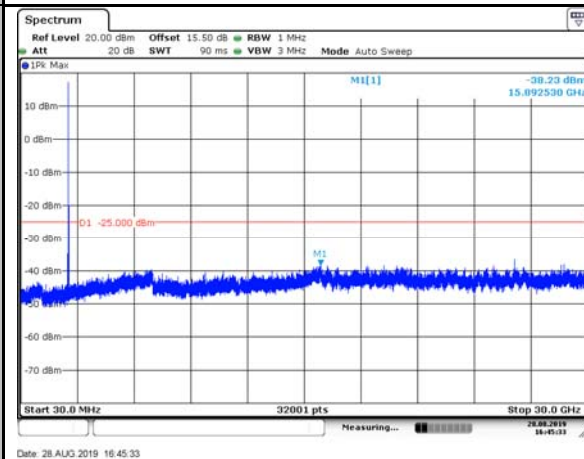
20+20MHz – Middle Channel - RB1#0 & RB1#99

N/A

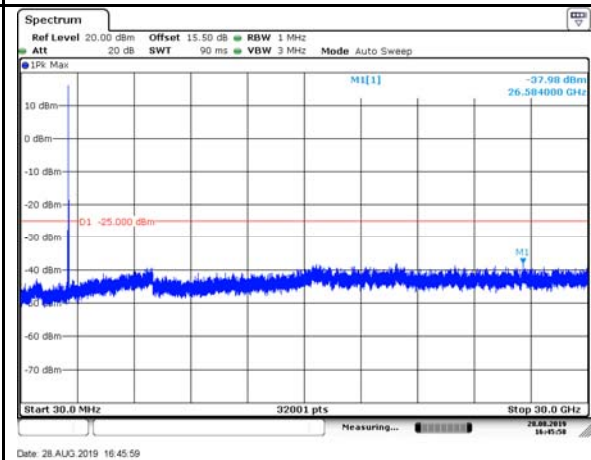
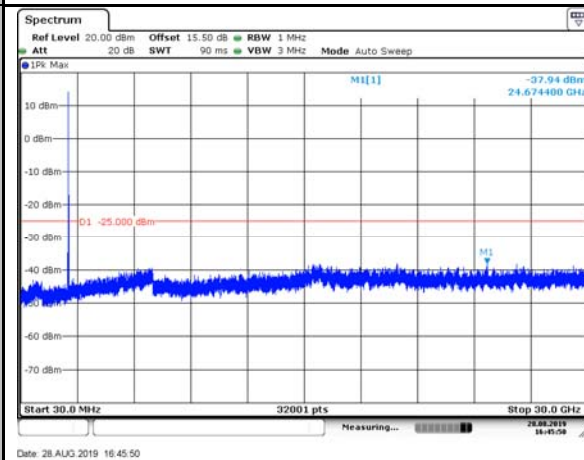
QPSK



16QAM



64QAM



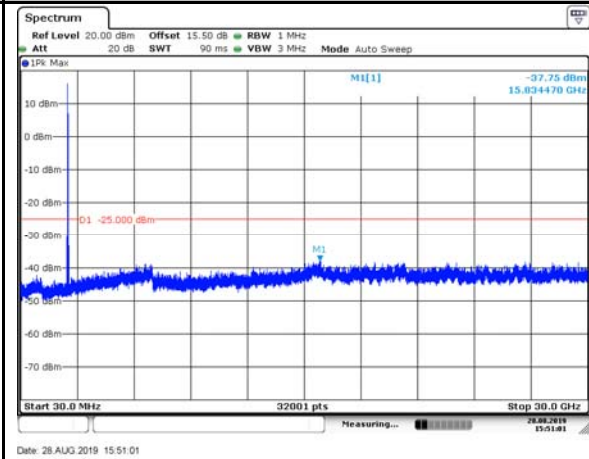
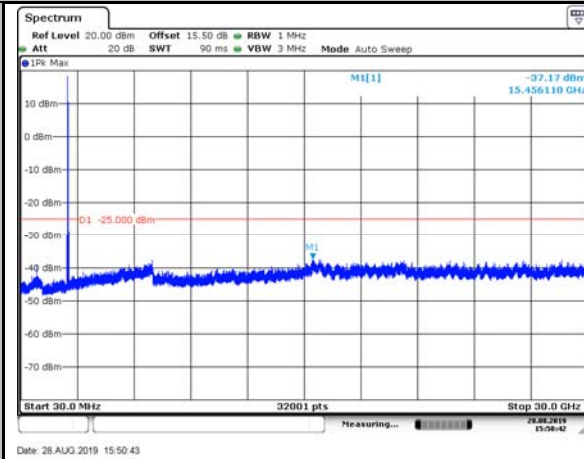


LTE Band 41\_CA: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS - Middle Channel

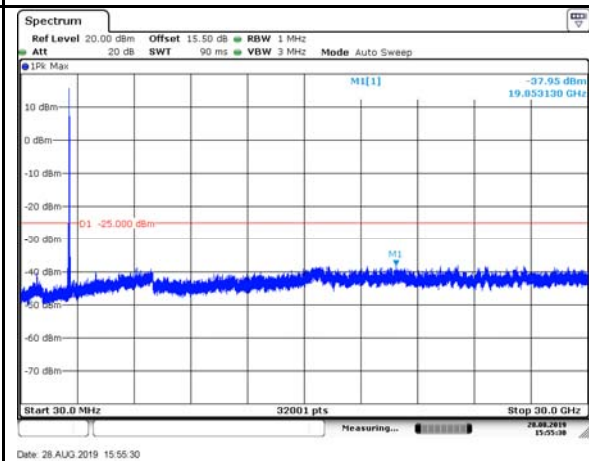
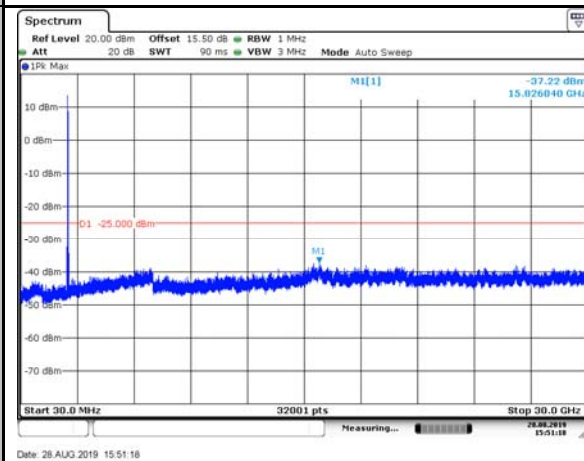
5+20MHz – Middle Channel - RB1#0 & RB1#99

20+5MHz – Middle Channel - RB1#0 & RB1#24

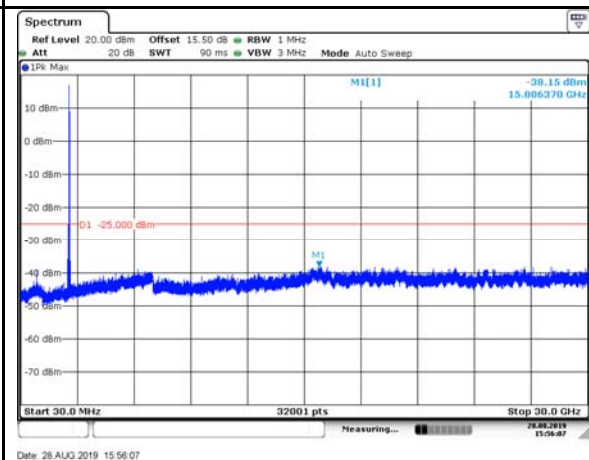
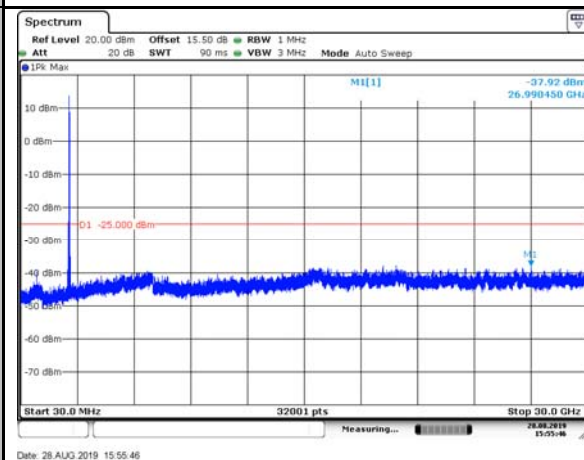
QPSK



16QAM



64QAM

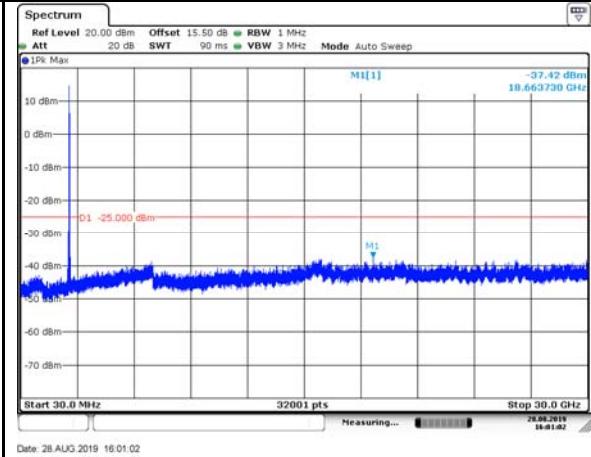
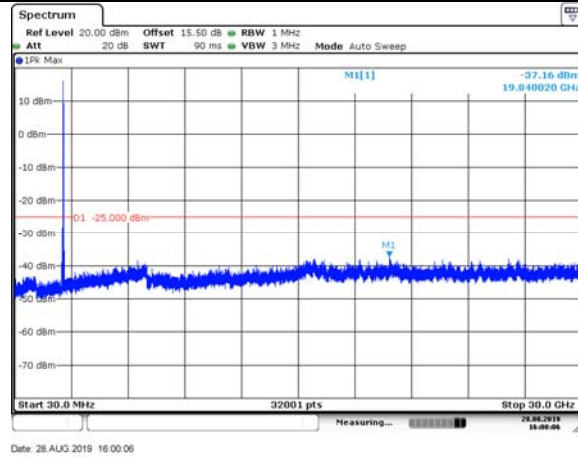


LTE Band 41\_CA: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS - Middle Channel

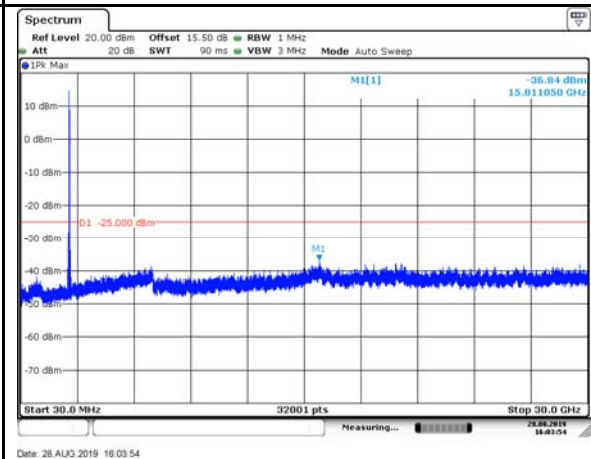
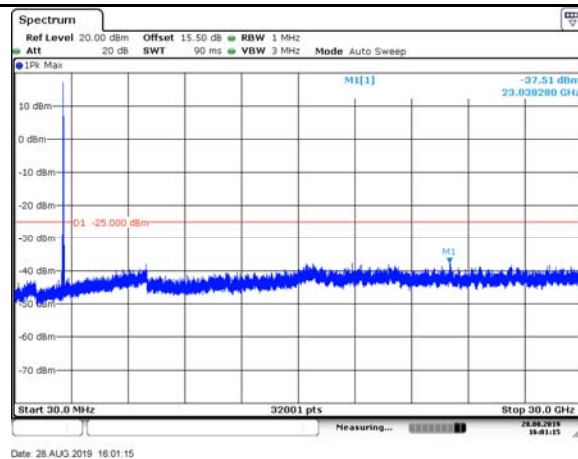
10+15MHz – Middle Channel - RB1#0 & RB1#74

15+10MHz – Middle Channel - RB1#0 & RB1#49

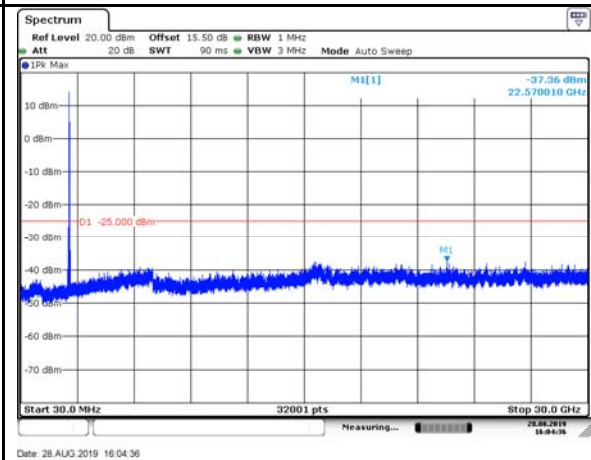
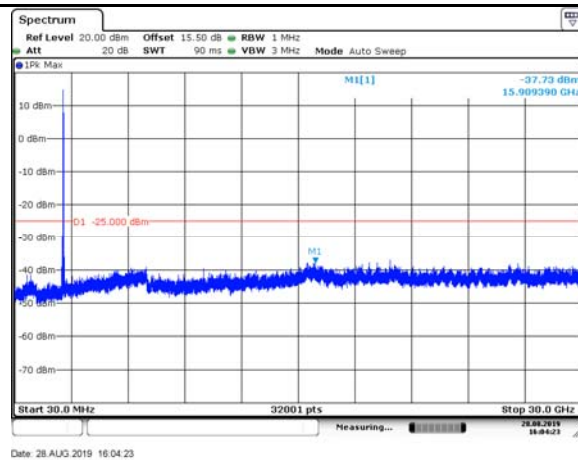
QPSK



16QAM



64QAM



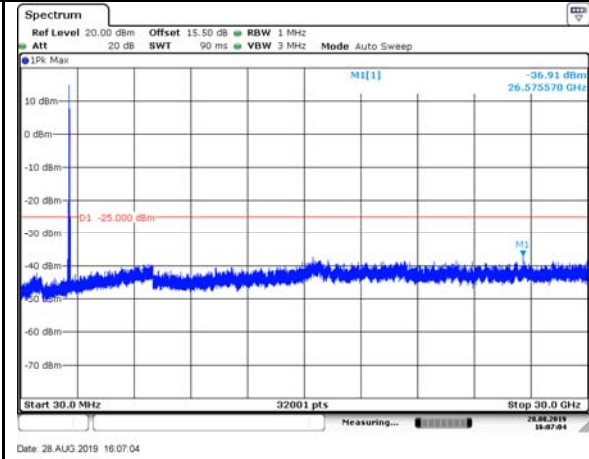
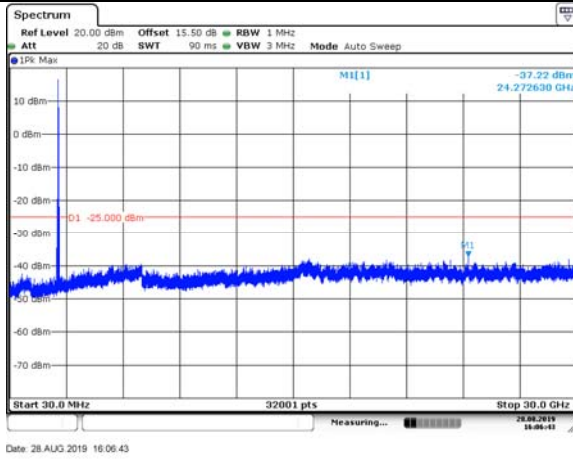


LTE Band 41\_CA: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS - Middle Channel

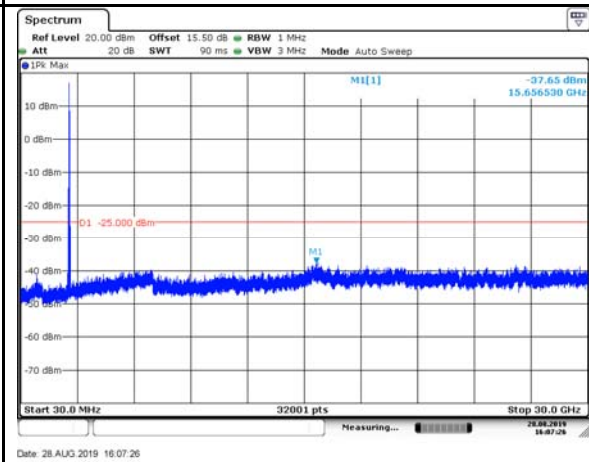
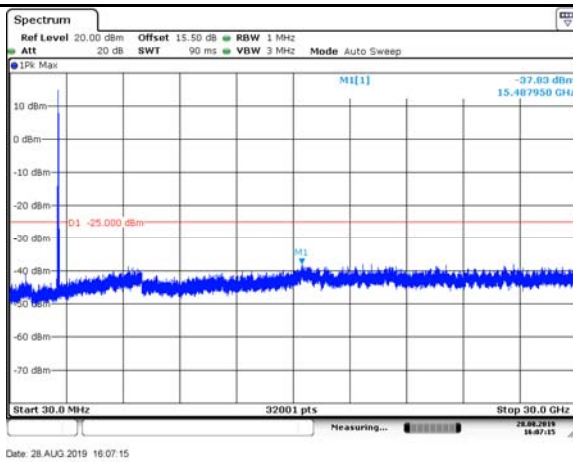
10+20MHz – Middle Channel - RB1#0 & RB1#99

20+10MHz – Middle Channel - RB1#0 & RB1#49

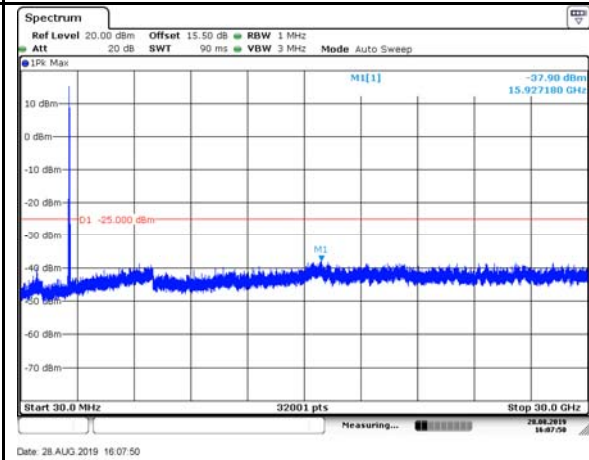
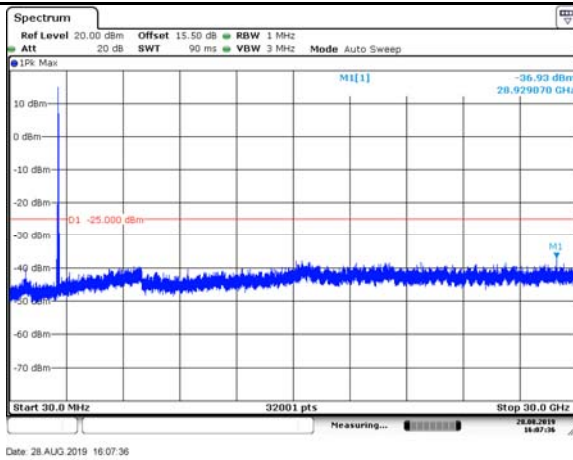
QPSK



16QAM



64QAM

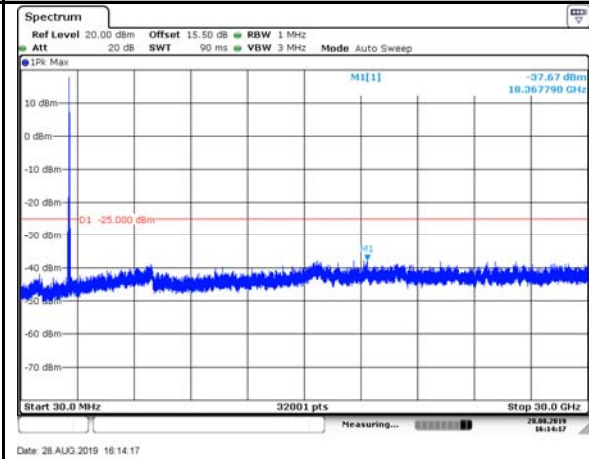
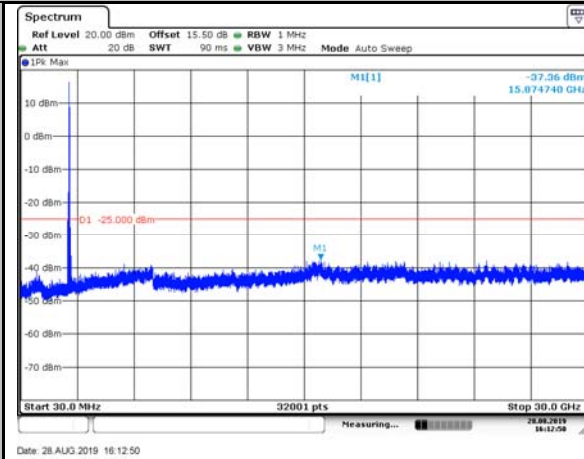


LTE Band 41\_CA: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS - Middle Channel

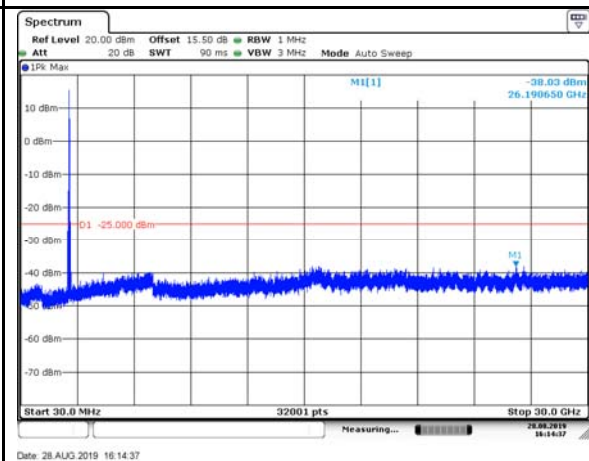
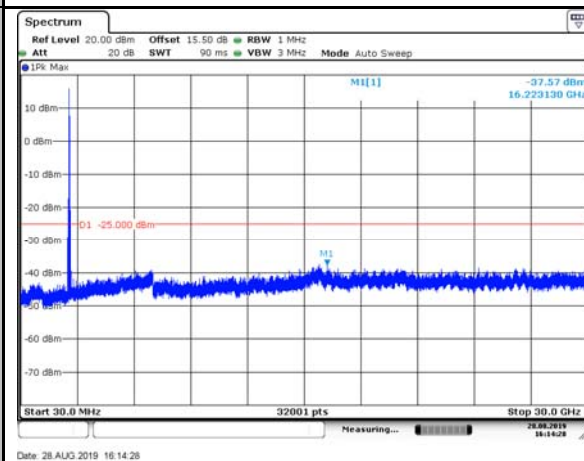
15+20MHz – Middle Channel - RB1#0 & RB1#99

20+15MHz – Middle Channel - RB1#0 & RB1#74

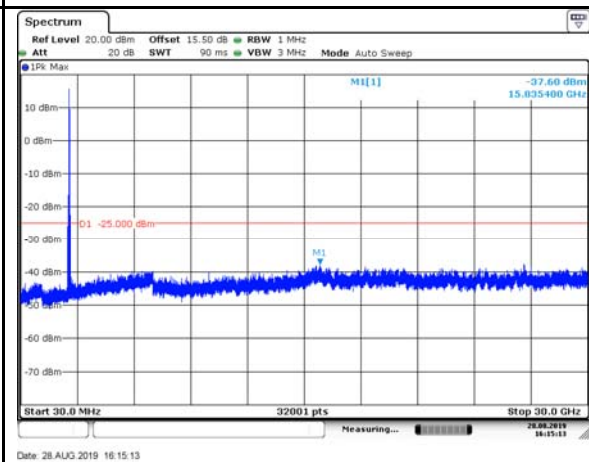
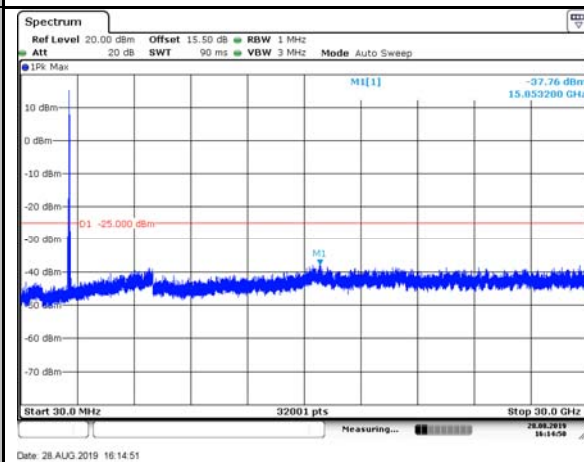
QPSK



16QAM



64QAM

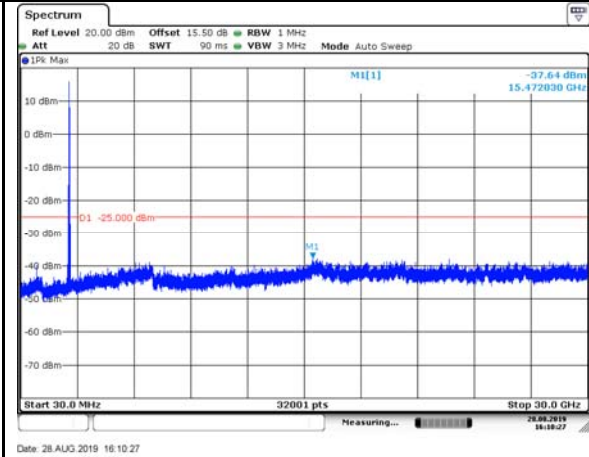
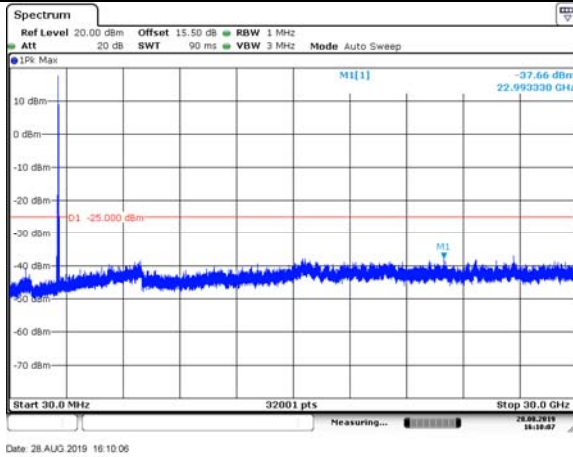


LTE Band 41\_CA: OUT OF BAND EMISSIONS AT ANTENNA TERMINALS - Middle Channel

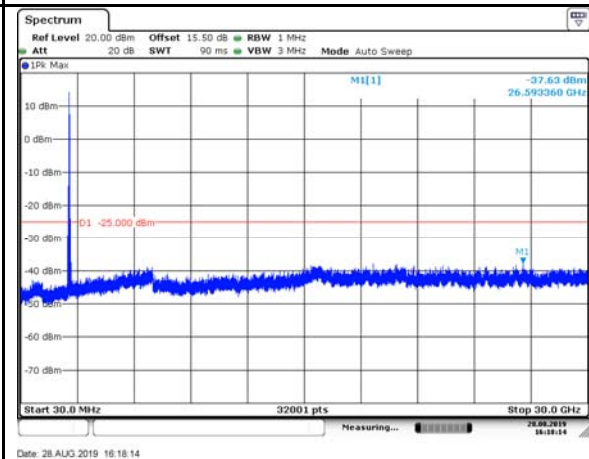
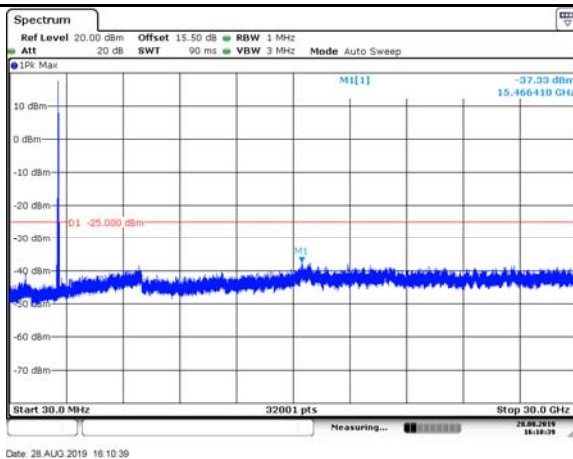
15+15MHz – Middle Channel - RB1#0 & RB1#74

20+20MHz – Middle Channel - RB1#0 & RB1#99

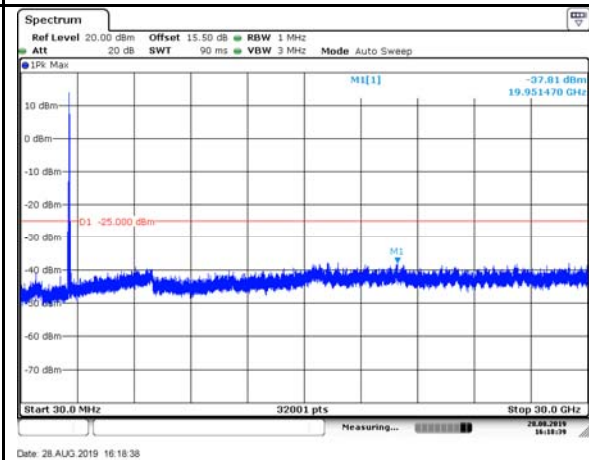
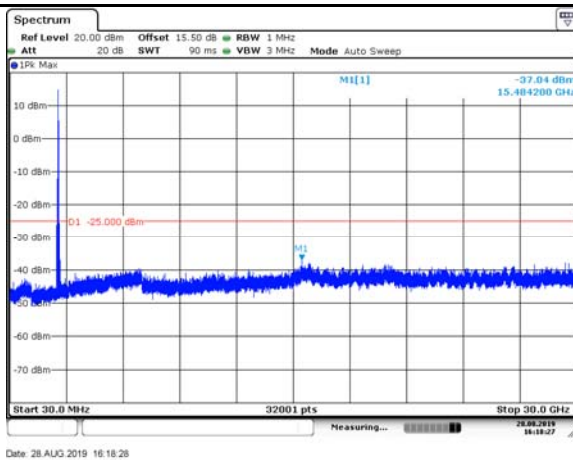
QPSK



16QAM



64QAM



## APPENDIX F: TEST DATA FOR FIELD STRENGTH OF SPURIOUS RADIATION

All modes have been tested, and the worst result recorded was report as below

### For LTE BAND2 link

#### ■ Spurious Emission below 30MHz (9KHz to 30MHz)

|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND2 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

#### ■ Spurious Emission Above 30MHz (30MHz to 10<sup>th</sup> harmonics)

|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND2 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 3760.00     | H   | 1.4 MHz         | RB1#0   | -37.78              | -13         | -24.78       | Pass    |
| 15561.27    | H   | 1.4 MHz         | RB1#0   | -38.49              | -13         | -25.49       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 3760.00     | V   | 1.4 MHz         | RB1#0   | -38.80              | -13         | -25.80       | Pass    |
| 15043.32    | V   | 1.4 MHz         | RB1#0   | -38.86              | -13         | -25.86       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND2 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 3760.00     | H   | 3 MHz           | RB1#0   | -37.92              | -13         | -24.92       | Pass    |
| 15650.85    | H   | 3 MHz           | RB1#0   | -39.05              | -13         | -26.05       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 3760.00     | V   | 3 MHz           | RB1#0   | -39.13              | -13         | -26.13       | Pass    |
| 15769.89    | V   | 3 MHz           | RB1#0   | -38.43              | -13         | -25.43       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND2 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 3760.00     | H   | 5 MHz           | RB1#0   | -37.06              | -13         | -24.06       | Pass    |
| 14606.85    | H   | 5 MHz           | RB1#0   | -39.86              | -13         | -26.86       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 3760.00     | V   | 5 MHz           | RB1#0   | -38.07              | -13         | -25.07       | Pass    |
| 14635.33    | V   | 5 MHz           | RB1#0   | -39.59              | -13         | -26.59       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND2 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 3760.00     | H   | 10 MHz          | RB1#0   | -37.30              | -13         | -24.30       | Pass    |
| 15204.34    | H   | 10 MHz          | RB1#0   | -39.28              | -13         | -26.28       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 3760.00     | V   | 10 MHz          | RB1#0   | -38.09              | -13         | -25.09       | Pass    |
| 15110.44    | V   | 10 MHz          | RB1#0   | -38.80              | -13         | -25.80       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND2 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 3760.00     | H   | 15 MHz          | RB1#0   | -38.35              | -13         | -25.35       | Pass    |
| 14433.70    | H   | 15 MHz          | RB1#0   | -39.75              | -13         | -26.75       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 3760.00     | V   | 15 MHz          | RB1#0   | -39.33              | -13         | -26.33       | Pass    |
| 15723.48    | V   | 15 MHz          | RB1#0   | -39.14              | -13         | -26.14       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND2 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 3760.00     | H   | 20 MHz          | RB1#0   | -38.97              | -13         | -25.97       | Pass    |
| 14790.87    | H   | 20 MHz          | RB1#0   | -38.19              | -13         | -25.19       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 3760.00     | V   | 20 MHz          | RB1#0   | -39.94              | -13         | -26.94       | Pass    |
| 15858.50    | V   | 20 MHz          | RB1#0   | -39.00              | -13         | -26.00       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp

(3) Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

# For LTE BAND7 link

## ■ Spurious Emission below 30MHz (9KHz to 30MHz)

|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND7 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

## ■ Spurious Emission Above 30MHz (30MHz to 10<sup>th</sup> harmonics)

|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND7 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5070.00     | H   | 5 MHz           | RB1#0   | -42.30              | -25         | -17.30       | Pass    |
| 14317.45    | H   | 5 MHz           | RB1#0   | -39.73              | -25         | -14.73       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5070.00     | V   | 5 MHz           | RB1#0   | -43.31              | -25         | -18.31       | Pass    |
| 15412.36    | V   | 5 MHz           | RB1#0   | -38.86              | -25         | -13.86       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND7 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5070.00     | H   | 10 MHz          | RB1#0   | -42.88              | -25         | -17.88       | Pass    |
| 15399.76    | H   | 10 MHz          | RB1#0   | -38.49              | -25         | -13.49       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5070.00     | V   | 10 MHz          | RB1#0   | -43.90              | -25         | -18.90       | Pass    |
| 15975.18    | V   | 10 MHz          | RB1#0   | -39.26              | -25         | -14.26       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND7 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5070.00     | H   | 15 MHz          | RB1#0   | -43.27              | -25         | -18.27       | Pass    |
| 15558.30    | H   | 15 MHz          | RB1#0   | -39.05              | -25         | -14.05       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5070.00     | V   | 15 MHz          | RB1#0   | -44.78              | -25         | -19.78       | Pass    |
| 15734.84    | V   | 15 MHz          | RB1#0   | -38.85              | -25         | -13.85       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |           |            |                      |
|--------------|-----------|------------|----------------------|
| Temperature: | 24℃       | Test By:   | KK                   |
| Humidity:    | 53 %      | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND7 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5070.00     | H   | 20 MHz          | RB1#0   | -43.97              | -25         | -18.97       | Pass    |
| 15171.32    | H   | 20 MHz          | RB1#0   | -39.85              | -25         | -14.85       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5070.00     | V   | 20 MHz          | RB1#0   | -44.00              | -25         | -19.00       | Pass    |
| 15816.88    | V   | 20 MHz          | RB1#0   | -39.00              | -25         | -14.00       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.  
(2) Correct Factor= Ant\_F + Cab\_L - Preamp  
(3) Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

# For LTE BAND12 link

## ■ Spurious Emission below 30MHz (9KHz to 30MHz)

|              |            |          |    |
|--------------|------------|----------|----|
| Temperature: | 24℃        | Test By: | KK |
| Humidity:    | 53 %       |          |    |
| Test Band:   | LTE BAND12 |          |    |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

## ■ Spurious Emission Above 30MHz (30MHz to 10<sup>th</sup> harmonics)

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND12 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 2122.50     | H   | 1.4 MHz         | RB1#0   | -50.93              | -13         | -37.93       | Pass    |
| 6438.08     | H   | 1.4 MHz         | RB1#0   | -38.23              | -13         | -25.23       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 2122.50     | V   | 1.4 MHz         | RB1#0   | -51.94              | -13         | -38.94       | Pass    |
| 6856.60     | V   | 1.4 MHz         | RB1#0   | -38.81              | -13         | -25.81       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND12 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 2122.50     | H   | 3 MHz           | RB1#0   | -50.04              | -13         | -37.04       | Pass    |
| 6562.35     | H   | 3 MHz           | RB1#0   | -39.88              | -13         | -26.88       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 2122.50     | V   | 3 MHz           | RB1#0   | -52.10              | -13         | -39.10       | Pass    |
| 6300.39     | V   | 3 MHz           | RB1#0   | -38.58              | -13         | -25.58       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24°C       | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND12 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 2122.50     | H   | 5 MHz           | RB1#0   | -50.19              | -13         | -37.19       | Pass    |
| 6259.46     | H   | 5 MHz           | RB1#0   | -39.70              | -13         | -26.70       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 2122.50     | V   | 5 MHz           | RB1#0   | -51.29              | -13         | -38.29       | Pass    |
| 6432.89     | V   | 5 MHz           | RB1#0   | -39.65              | -13         | -26.65       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24°C       | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND12 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 2122.50     | H   | 10 MHz          | RB1#0   | -50.31              | -13         | -37.31       | Pass    |
| 6893.86     | H   | 10 MHz          | RB1#0   | -38.68              | -13         | -25.68       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 2122.50     | V   | 10 MHz          | RB1#0   | -51.23              | -13         | -38.23       | Pass    |
| 6253.30     | V   | 10 MHz          | RB1#0   | -38.21              | -13         | -25.21       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.  
(2) Correct Factor= Ant\_F + Cab\_L - Preamp  
(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

# For LTE BAND13 link

## ■ Spurious Emission below 30MHz (9KHz to 30MHz)

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND13 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

## ■ Spurious Emission Above 30MHz (30MHz to 10<sup>th</sup> harmonics)

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND13 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 2346.00     | H   | 5 MHz           | RB1#0   | -51.14              | -13         | -38.14       | Pass    |
| 6429.08     | H   | 5 MHz           | RB1#0   | -38.87              | -13         | -25.87       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 2346.00     | V   | 5 MHz           | RB1#0   | -52.97              | -13         | -39.97       | Pass    |
| 6808.63     | V   | 5 MHz           | RB1#0   | -38.85              | -13         | -25.85       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND13 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 2346.00     | H   | 10 MHz          | RB1#0   | -51.42              | -13         | -38.42       | Pass    |
| 6866.51     | H   | 10 MHz          | RB1#0   | -39.84              | -13         | -26.84       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 2346.00     | V   | 10 MHz          | RB1#0   | -52.40              | -13         | -39.40       | Pass    |
| 6772.93     | V   | 10 MHz          | RB1#0   | -38.24              | -13         | -25.24       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp

(3) Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**For LTE BAND26 link**

## ■ Spurious Emission below 30MHz (9KHz to 30MHz)

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND26 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

■ Spurious Emission Above 30MHz (30MHz to 10<sup>th</sup> harmonics)

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND26 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 2494.50     | H   | 1.4 MHz         | RB1#0   | -36.72              | -13         | -23.72       | Pass    |
| 6675.43     | H   | 1.4 MHz         | RB1#0   | -38.69              | -13         | -25.69       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 2494.50     | V   | 1.4 MHz         | RB1#0   | -37.76              | -13         | -24.76       | Pass    |
| 6487.96     | V   | 1.4 MHz         | RB1#0   | -38.83              | -13         | -25.83       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND26 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 2494.50     | H   | 3 MHz           | RB1#0   | -36.93              | -13         | -23.93       | Pass    |
| 6293.05     | H   | 3 MHz           | RB1#0   | -39.20              | -13         | -26.20       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 2494.50     | V   | 3 MHz           | RB1#0   | -38.90              | -13         | -25.90       | Pass    |
| 6158.81     | V   | 3 MHz           | RB1#0   | -38.44              | -13         | -25.44       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp

(3) Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24°C       | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND26 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 2494.50     | H   | 5 MHz           | RB1#0   | -36.16              | -13         | -23.16       | Pass    |
| 6673.82     | H   | 5 MHz           | RB1#0   | -39.77              | -13         | -26.77       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 2494.50     | V   | 5 MHz           | RB1#0   | -37.05              | -13         | -24.05       | Pass    |
| 6111.31     | V   | 5 MHz           | RB1#0   | -38.15              | -13         | -25.15       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24°C       | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND26 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 2494.50     | H   | 10 MHz          | RB1#0   | -36.42              | -13         | -23.42       | Pass    |
| 6994.92     | H   | 10 MHz          | RB1#0   | -38.09              | -13         | -25.09       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 2494.50     | V   | 10 MHz          | RB1#0   | -37.90              | -13         | -24.90       | Pass    |
| 6260.77     | V   | 10 MHz          | RB1#0   | -39.08              | -13         | -26.08       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24°C       | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND26 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 2494.50     | H   | 15 MHz          | RB1#0   | -37.95              | -13         | -24.95       | Pass    |
| 6991.41     | H   | 15 MHz          | RB1#0   | -39.32              | -13         | -26.32       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 2494.50     | V   | 15 MHz          | RB1#0   | -38.17              | -13         | -25.17       | Pass    |
| 6853.17     | V   | 15 MHz          | RB1#0   | -39.36              | -13         | -26.36       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp

(3) Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



#### For LTE BAND41 link

##### ■ Spurious Emission below 30MHz (9KHz to 30MHz)

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND41 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

##### ■ Spurious Emission Above 30MHz (30MHz to 10<sup>th</sup> harmonics)

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND41 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5186.00     | H   | 5 MHz           | RB1#0   | -42.83              | -25         | -17.83       | Pass    |
| 14369.45    | H   | 5 MHz           | RB1#0   | -38.83              | -25         | -13.83       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5186.00     | V   | 5 MHz           | RB1#0   | -43.83              | -25         | -18.83       | Pass    |
| 14656.41    | V   | 5 MHz           | RB1#0   | -39.85              | -25         | -14.85       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND41 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5186.00     | H   | 10 MHz          | RB1#0   | -42.37              | -25         | -17.37       | Pass    |
| 15254.91    | H   | 10 MHz          | RB1#0   | -38.73              | -25         | -13.73       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5186.00     | V   | 10 MHz          | RB1#0   | -43.07              | -25         | -18.07       | Pass    |
| 14114.46    | V   | 10 MHz          | RB1#0   | -39.00              | -25         | -14.00       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp

(3) Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND41 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5186.00     | H   | 15 MHz          | RB1#0   | -43.36              | -25         | -18.36       | Pass    |
| 14686.95    | H   | 15 MHz          | RB1#0   | -39.53              | -25         | -14.53       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5186.00     | V   | 15 MHz          | RB1#0   | -44.86              | -25         | -19.86       | Pass    |
| 15466.23    | V   | 15 MHz          | RB1#0   | -38.70              | -25         | -13.70       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND41 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5186.00     | H   | 20 MHz          | RB1#0   | -43.74              | -25         | -18.74       | Pass    |
| 15014.76    | H   | 20 MHz          | RB1#0   | -38.68              | -25         | -13.68       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5186.00     | V   | 20 MHz          | RB1#0   | -44.07              | -25         | -19.07       | Pass    |
| 14929.84    | V   | 20 MHz          | RB1#0   | -38.70              | -25         | -13.70       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp

(3) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

# For LTE BAND66 link

## ■ Spurious Emission below 30MHz (9KHz to 30MHz)

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND66 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

## ■ Spurious Emission Above 30MHz (30MHz to 10<sup>th</sup> harmonics)

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND66 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5235.00     | H   | 1.4 MHz         | RB1#0   | -33.10              | -13         | -20.10       | Pass    |
| 15038.88    | H   | 1.4 MHz         | RB1#0   | -38.22              | -13         | -25.22       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5235.00     | V   | 1.4 MHz         | RB1#0   | -34.41              | -13         | -21.41       | Pass    |
| 15354.13    | V   | 1.4 MHz         | RB1#0   | -38.07              | -13         | -25.07       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND66 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5235.00     | H   | 3 MHz           | RB1#0   | -33.15              | -13         | -20.15       | Pass    |
| 15874.90    | H   | 3 MHz           | RB1#0   | -39.66              | -13         | -26.66       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5235.00     | V   | 3 MHz           | RB1#0   | -35.92              | -13         | -22.92       | Pass    |
| 15136.85    | V   | 3 MHz           | RB1#0   | -38.72              | -13         | -25.72       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND66 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5235.00     | H   | 5 MHz           | RB1#0   | -33.02              | -13         | -20.02       | Pass    |
| 14676.62    | H   | 5 MHz           | RB1#0   | -39.13              | -13         | -26.13       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5235.00     | V   | 5 MHz           | RB1#0   | -34.04              | -13         | -21.04       | Pass    |
| 14742.84    | V   | 5 MHz           | RB1#0   | -39.28              | -13         | -26.28       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND66 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5235.00     | H   | 10 MHz          | RB1#0   | -33.28              | -13         | -20.28       | Pass    |
| 15982.54    | H   | 10 MHz          | RB1#0   | -38.84              | -13         | -25.84       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5235.00     | V   | 10 MHz          | RB1#0   | -34.62              | -13         | -21.62       | Pass    |
| 15648.89    | V   | 10 MHz          | RB1#0   | -38.35              | -13         | -25.35       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND66 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5235.00     | H   | 15 MHz          | RB1#0   | -34.75              | -13         | -21.75       | Pass    |
| 14573.91    | H   | 15 MHz          | RB1#0   | -39.79              | -13         | -26.79       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5235.00     | V   | 15 MHz          | RB1#0   | -35.34              | -13         | -22.34       | Pass    |
| 15754.25    | V   | 15 MHz          | RB1#0   | -39.97              | -13         | -26.97       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

|              |            |            |                      |
|--------------|------------|------------|----------------------|
| Temperature: | 24℃        | Test By:   | KK                   |
| Humidity:    | 53 %       | Test Mode: | QPSK/ Middle Channel |
| Test Band:   | LTE BAND66 |            |                      |

| Freq. (MHz) | H/V | Bandwidth (MHz) | Test RB | Emission Level(dBm) | Limit (dBm) | Margin (dBm) | Verdict |
|-------------|-----|-----------------|---------|---------------------|-------------|--------------|---------|
| 5235.00     | H   | 20 MHz          | RB1#0   | -34.32              | -13         | -21.32       | Pass    |
| 14682.04    | H   | 20 MHz          | RB1#0   | -39.82              | -13         | -26.82       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |
| 5235.00     | V   | 20 MHz          | RB1#0   | -35.99              | -13         | -22.99       | Pass    |
| 15029.45    | V   | 20 MHz          | RB1#0   | -39.31              | -13         | -26.31       | Pass    |
| --          | --  | --              | --      | --                  | --          | --           | --      |

Note: (1) Emission Level= Reading Level+ Correct Factor +Cable Loss.

(2) Correct Factor= Ant\_F + Cab\_L - Preamp

(3) Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## APPENDIX G: TEST DATA FOR FREQUENCY STABILITY

All modes have been tested, and the worst result recorded was report as below

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND2      | QPSK       | 1.4MHz     | VN             | -20        | 1850.7                  | 16.95          | 0.0092          | 2.5         |
|                |            |            |                | -10        | 1850.7                  | 16.95          | 0.0092          | 2.5         |
|                |            |            |                | 0          | 1850.7                  | 17.57          | 0.0095          | 2.5         |
|                |            |            |                | 10         | 1850.7                  | 18.08          | 0.0098          | 2.5         |
|                |            |            |                | 20         | 1850.7                  | 17.42          | 0.0094          | 2.5         |
|                |            |            |                | 30         | 1850.7                  | 18.32          | 0.0099          | 2.5         |
|                |            |            |                | 40         | 1850.7                  | 19.55          | 0.0106          | 2.5         |
|                |            |            |                | 50         | 1850.7                  | 16.91          | 0.0091          | 2.5         |
|                |            |            | VL             | 20         | 1850.7                  | 16.75          | 0.0091          | 2.5         |
|                |            |            | VH             | 20         | 1850.7                  | 17.66          | 0.0095          | 2.5         |
|                |            |            | VN             | -20        | 1880                    | 18.95          | 0.0101          | 2.5         |
|                |            |            |                | -10        | 1880                    | 19.68          | 0.0105          | 2.5         |
|                |            |            |                | 0          | 1880                    | 16.39          | 0.0087          | 2.5         |
|                |            |            |                | 10         | 1880                    | 18.03          | 0.0096          | 2.5         |
|                |            |            |                | 20         | 1880                    | 17.01          | 0.0090          | 2.5         |
|                |            |            |                | 30         | 1880                    | 18.41          | 0.0098          | 2.5         |
|                |            |            |                | 40         | 1880                    | 16.87          | 0.0090          | 2.5         |
|                |            |            |                | 50         | 1880                    | 16.55          | 0.0088          | 2.5         |
|                |            |            | VL             | 20         | 1880                    | 19.88          | 0.0106          | 2.5         |
|                |            |            | VH             | 20         | 1880                    | 16.55          | 0.0088          | 2.5         |
|                |            |            | VN             | -20        | 1909.3                  | 17.21          | 0.0090          | 2.5         |
|                |            |            |                | -10        | 1909.3                  | 19.38          | 0.0101          | 2.5         |
|                |            |            |                | 0          | 1909.3                  | 18.30          | 0.0096          | 2.5         |
|                |            |            |                | 10         | 1909.3                  | 16.73          | 0.0088          | 2.5         |
|                |            |            |                | 20         | 1909.3                  | 19.90          | 0.0104          | 2.5         |
|                |            |            |                | 30         | 1909.3                  | 19.09          | 0.0100          | 2.5         |
|                |            |            |                | 40         | 1909.3                  | 17.15          | 0.0090          | 2.5         |
|                |            |            |                | 50         | 1909.3                  | 16.07          | 0.0084          | 2.5         |
|                |            |            | VL             | 20         | 1909.3                  | 17.89          | 0.0094          | 2.5         |
|                |            |            | VH             | 20         | 1909.3                  | 16.02          | 0.0084          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation  | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|-------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |             |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND2      | QPSK/16-QAM | 3MHz       | VN             | -20        | 1851.5                  | 17.66          | 0.0095          | 2.5         |
|                |             |            |                | -10        | 1851.5                  | 19.14          | 0.0103          | 2.5         |
|                |             |            |                | 0          | 1851.5                  | 19.62          | 0.0106          | 2.5         |
|                |             |            |                | 10         | 1851.5                  | 17.92          | 0.0097          | 2.5         |
|                |             |            |                | 20         | 1851.5                  | 18.63          | 0.0101          | 2.5         |
|                |             |            |                | 30         | 1851.5                  | 19.91          | 0.0108          | 2.5         |
|                |             |            |                | 40         | 1851.5                  | 16.22          | 0.0088          | 2.5         |
|                |             |            |                | 50         | 1851.5                  | 18.64          | 0.0101          | 2.5         |
|                |             |            | VL             | 20         | 1851.5                  | 17.38          | 0.0094          | 2.5         |
|                |             |            | VH             | 20         | 1851.5                  | 16.25          | 0.0088          | 2.5         |
|                |             |            | VN             | -20        | 1880                    | 16.37          | 0.0087          | 2.5         |
|                |             |            |                | -10        | 1880                    | 18.76          | 0.0100          | 2.5         |
|                |             |            |                | 0          | 1880                    | 19.71          | 0.0105          | 2.5         |
|                |             |            |                | 10         | 1880                    | 18.28          | 0.0097          | 2.5         |
|                |             |            |                | 20         | 1880                    | 19.62          | 0.0104          | 2.5         |
|                |             |            |                | 30         | 1880                    | 16.54          | 0.0088          | 2.5         |
|                |             |            |                | 40         | 1880                    | 17.74          | 0.0094          | 2.5         |
|                |             |            |                | 50         | 1880                    | 18.96          | 0.0101          | 2.5         |
|                |             |            | VL             | 20         | 1880                    | 18.27          | 0.0097          | 2.5         |
|                |             |            | VH             | 20         | 1880                    | 18.92          | 0.0101          | 2.5         |
|                |             |            | VN             | -20        | 1908.5                  | 18.69          | 0.0098          | 2.5         |
|                |             |            |                | -10        | 1908.5                  | 17.81          | 0.0093          | 2.5         |
|                |             |            |                | 0          | 1908.5                  | 19.87          | 0.0104          | 2.5         |
|                |             |            |                | 10         | 1908.5                  | 19.75          | 0.0103          | 2.5         |
|                |             |            |                | 20         | 1908.5                  | 16.87          | 0.0088          | 2.5         |
|                |             |            |                | 30         | 1908.5                  | 16.63          | 0.0087          | 2.5         |
|                |             |            |                | 40         | 1908.5                  | 16.59          | 0.0087          | 2.5         |
|                |             |            |                | 50         | 1908.5                  | 16.83          | 0.0088          | 2.5         |
|                |             |            | VL             | 20         | 1908.5                  | 18.21          | 0.0095          | 2.5         |
|                |             |            | VH             | 20         | 1908.5                  | 17.08          | 0.0089          | 2.5         |
| VERDICT        |             |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND2      | QPSK       | 5MHz       | VN             | -20        | 1852.5                  | 18.14          | 0.0098          | 2.5         |
|                |            |            |                | -10        | 1852.5                  | 17.19          | 0.0093          | 2.5         |
|                |            |            |                | 0          | 1852.5                  | 19.21          | 0.0104          | 2.5         |
|                |            |            |                | 10         | 1852.5                  | 16.28          | 0.0088          | 2.5         |
|                |            |            |                | 20         | 1852.5                  | 18.64          | 0.0101          | 2.5         |
|                |            |            |                | 30         | 1852.5                  | 19.83          | 0.0107          | 2.5         |
|                |            |            |                | 40         | 1852.5                  | 18.43          | 0.0100          | 2.5         |
|                |            |            |                | 50         | 1852.5                  | 16.85          | 0.0091          | 2.5         |
|                |            |            | VL             | 20         | 1852.5                  | 19.44          | 0.0105          | 2.5         |
|                |            |            | VH             | 20         | 1852.5                  | 17.82          | 0.0096          | 2.5         |
|                |            |            | VN             | -20        | 1880                    | 17.67          | 0.0094          | 2.5         |
|                |            |            |                | -10        | 1880                    | 17.95          | 0.0095          | 2.5         |
|                |            |            |                | 0          | 1880                    | 19.23          | 0.0102          | 2.5         |
|                |            |            |                | 10         | 1880                    | 17.54          | 0.0093          | 2.5         |
|                |            |            |                | 20         | 1880                    | 18.13          | 0.0096          | 2.5         |
|                |            |            |                | 30         | 1880                    | 16.87          | 0.0090          | 2.5         |
|                |            |            |                | 40         | 1880                    | 19.59          | 0.0104          | 2.5         |
|                |            |            |                | 50         | 1880                    | 18.61          | 0.0099          | 2.5         |
|                |            |            | VL             | 20         | 1880                    | 19.72          | 0.0105          | 2.5         |
|                |            |            | VH             | 20         | 1880                    | 19.18          | 0.0102          | 2.5         |
|                |            |            | VN             | -20        | 1907.5                  | 17.29          | 0.0091          | 2.5         |
|                |            |            |                | -10        | 1907.5                  | 16.59          | 0.0087          | 2.5         |
|                |            |            |                | 0          | 1907.5                  | 17.23          | 0.0090          | 2.5         |
|                |            |            |                | 10         | 1907.5                  | 16.69          | 0.0087          | 2.5         |
|                |            |            |                | 20         | 1907.5                  | 19.89          | 0.0104          | 2.5         |
|                |            |            |                | 30         | 1907.5                  | 19.52          | 0.0102          | 2.5         |
|                |            |            |                | 40         | 1907.5                  | 18.01          | 0.0094          | 2.5         |
|                |            |            |                | 50         | 1907.5                  | 18.08          | 0.0095          | 2.5         |
|                |            |            | VL             | 20         | 1907.5                  | 16.93          | 0.0089          | 2.5         |
|                |            |            | VH             | 20         | 1907.5                  | 19.43          | 0.0102          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |



| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND2      | QPSK       | 10MHz      | VN             | -20        | 1855                    | 19.99          | 0.0108          | 2.5         |
|                |            |            |                | -10        | 1855                    | 18.18          | 0.0098          | 2.5         |
|                |            |            |                | 0          | 1855                    | 17.83          | 0.0096          | 2.5         |
|                |            |            |                | 10         | 1855                    | 17.93          | 0.0097          | 2.5         |
|                |            |            |                | 20         | 1855                    | 18.43          | 0.0099          | 2.5         |
|                |            |            |                | 30         | 1855                    | 18.66          | 0.0101          | 2.5         |
|                |            |            |                | 40         | 1855                    | 18.70          | 0.0101          | 2.5         |
|                |            |            |                | 50         | 1855                    | 17.00          | 0.0092          | 2.5         |
|                |            |            | VL             | 20         | 1855                    | 18.28          | 0.0099          | 2.5         |
|                |            |            | VH             | 20         | 1855                    | 18.40          | 0.0099          | 2.5         |
|                |            |            | VN             | -20        | 1880                    | 17.37          | 0.0092          | 2.5         |
|                |            |            |                | -10        | 1880                    | 19.67          | 0.0105          | 2.5         |
|                |            |            |                | 0          | 1880                    | 19.91          | 0.0106          | 2.5         |
|                |            |            |                | 10         | 1880                    | 18.02          | 0.0096          | 2.5         |
|                |            |            |                | 20         | 1880                    | 18.86          | 0.0100          | 2.5         |
|                |            |            |                | 30         | 1880                    | 16.36          | 0.0087          | 2.5         |
|                |            |            |                | 40         | 1880                    | 16.65          | 0.0089          | 2.5         |
|                |            |            |                | 50         | 1880                    | 18.53          | 0.0099          | 2.5         |
|                |            |            | VL             | 20         | 1880                    | 16.43          | 0.0087          | 2.5         |
|                |            |            | VH             | 20         | 1880                    | 16.27          | 0.0087          | 2.5         |
|                |            |            | VN             | -20        | 1905                    | 17.14          | 0.0090          | 2.5         |
|                |            |            |                | -10        | 1905                    | 17.66          | 0.0093          | 2.5         |
|                |            |            |                | 0          | 1905                    | 18.38          | 0.0096          | 2.5         |
|                |            |            |                | 10         | 1905                    | 16.79          | 0.0088          | 2.5         |
|                |            |            |                | 20         | 1905                    | 19.26          | 0.0101          | 2.5         |
|                |            |            |                | 30         | 1905                    | 16.01          | 0.0084          | 2.5         |
|                |            |            |                | 40         | 1905                    | 17.63          | 0.0093          | 2.5         |
|                |            |            |                | 50         | 1905                    | 18.20          | 0.0096          | 2.5         |
|                |            |            | VL             | 20         | 1905                    | 19.18          | 0.0101          | 2.5         |
|                |            |            | VH             | 20         | 1905                    | 17.57          | 0.0092          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND2      | QPSK       | 15MHz      | VN             | -20        | 1857.5                  | 18.33          | 0.0099          | 2.5         |
|                |            |            |                | -10        | 1857.5                  | 18.51          | 0.0100          | 2.5         |
|                |            |            |                | 0          | 1857.5                  | 17.90          | 0.0096          | 2.5         |
|                |            |            |                | 10         | 1857.5                  | 16.55          | 0.0089          | 2.5         |
|                |            |            |                | 20         | 1857.5                  | 19.44          | 0.0105          | 2.5         |
|                |            |            |                | 30         | 1857.5                  | 18.70          | 0.0101          | 2.5         |
|                |            |            |                | 40         | 1857.5                  | 18.08          | 0.0097          | 2.5         |
|                |            |            |                | 50         | 1857.5                  | 16.56          | 0.0089          | 2.5         |
|                |            |            | VL             | 20         | 1857.5                  | 17.17          | 0.0092          | 2.5         |
|                |            |            | VH             | 20         | 1857.5                  | 19.04          | 0.0102          | 2.5         |
|                |            |            | VN             | -20        | 1880                    | 17.93          | 0.0095          | 2.5         |
|                |            |            |                | -10        | 1880                    | 17.73          | 0.0094          | 2.5         |
|                |            |            |                | 0          | 1880                    | 18.49          | 0.0098          | 2.5         |
|                |            |            |                | 10         | 1880                    | 18.43          | 0.0098          | 2.5         |
|                |            |            |                | 20         | 1880                    | 17.99          | 0.0096          | 2.5         |
|                |            |            |                | 30         | 1880                    | 19.27          | 0.0103          | 2.5         |
|                |            |            |                | 40         | 1880                    | 17.75          | 0.0094          | 2.5         |
|                |            |            |                | 50         | 1880                    | 17.85          | 0.0095          | 2.5         |
|                |            |            | VL             | 20         | 1880                    | 17.28          | 0.0092          | 2.5         |
|                |            |            | VH             | 20         | 1880                    | 17.04          | 0.0091          | 2.5         |
|                |            |            | VN             | -20        | 1902.5                  | 19.36          | 0.0102          | 2.5         |
|                |            |            |                | -10        | 1902.5                  | 17.87          | 0.0094          | 2.5         |
|                |            |            |                | 0          | 1902.5                  | 18.93          | 0.0099          | 2.5         |
|                |            |            |                | 10         | 1902.5                  | 18.72          | 0.0098          | 2.5         |
|                |            |            |                | 20         | 1902.5                  | 16.57          | 0.0087          | 2.5         |
|                |            |            |                | 30         | 1902.5                  | 18.93          | 0.0100          | 2.5         |
|                |            |            |                | 40         | 1902.5                  | 17.57          | 0.0092          | 2.5         |
|                |            |            |                | 50         | 1902.5                  | 19.79          | 0.0104          | 2.5         |
|                |            |            | VL             | 20         | 1902.5                  | 17.94          | 0.0094          | 2.5         |
|                |            |            | VH             | 20         | 1902.5                  | 16.44          | 0.0086          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND2      | QPSK       | 20MHz      | VN             | -20        | 1860                    | 19.85          | 0.0107          | 2.5         |
|                |            |            |                | -10        | 1860                    | 16.66          | 0.0090          | 2.5         |
|                |            |            |                | 0          | 1860                    | 19.16          | 0.0103          | 2.5         |
|                |            |            |                | 10         | 1860                    | 19.39          | 0.0104          | 2.5         |
|                |            |            |                | 20         | 1860                    | 17.29          | 0.0093          | 2.5         |
|                |            |            |                | 30         | 1860                    | 16.81          | 0.0090          | 2.5         |
|                |            |            |                | 40         | 1860                    | 19.24          | 0.0103          | 2.5         |
|                |            |            |                | 50         | 1860                    | 16.51          | 0.0089          | 2.5         |
|                |            |            |                | VL         | 20                      | 1860           | 16.69           | 0.0090      |
|                |            |            | VH             | 20         | 1860                    | 18.39          | 0.0099          | 2.5         |
|                |            |            | VN             | -20        | 1880                    | 17.88          | 0.0095          | 2.5         |
|                |            |            |                | -10        | 1880                    | 18.58          | 0.0099          | 2.5         |
|                |            |            |                | 0          | 1880                    | 17.95          | 0.0095          | 2.5         |
|                |            |            |                | 10         | 1880                    | 17.25          | 0.0092          | 2.5         |
|                |            |            |                | 20         | 1880                    | 18.28          | 0.0097          | 2.5         |
|                |            |            |                | 30         | 1880                    | 16.12          | 0.0086          | 2.5         |
|                |            |            |                | 40         | 1880                    | 17.37          | 0.0092          | 2.5         |
|                |            |            |                | 50         | 1880                    | 16.49          | 0.0088          | 2.5         |
|                |            |            |                | VL         | 20                      | 1880           | 17.20           | 0.0092      |
|                |            |            | VH             | 20         | 1880                    | 19.87          | 0.0106          | 2.5         |
|                |            |            | VN             | -20        | 1900                    | 19.55          | 0.0103          | 2.5         |
|                |            |            |                | -10        | 1900                    | 17.28          | 0.0091          | 2.5         |
|                |            |            |                | 0          | 1900                    | 19.07          | 0.0100          | 2.5         |
|                |            |            |                | 10         | 1900                    | 18.06          | 0.0095          | 2.5         |
|                |            |            |                | 20         | 1900                    | 17.54          | 0.0092          | 2.5         |
|                |            |            |                | 30         | 1900                    | 18.56          | 0.0098          | 2.5         |
|                |            |            |                | 40         | 1900                    | 16.14          | 0.0085          | 2.5         |
|                |            |            |                | 50         | 1900                    | 18.99          | 0.0100          | 2.5         |
|                |            |            |                | VL         | 20                      | 1900           | 16.95           | 0.0089      |
|                |            |            | VH             | 20         | 1900                    | 19.75          | 0.0104          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND7      | QPSK       | 5MHz       | VN             | -20        | 2502.5                  | 14.19          | 0.0057          | 2.5         |
|                |            |            |                | -10        | 2502.5                  | 14.93          | 0.0060          | 2.5         |
|                |            |            |                | 0          | 2502.5                  | 15.81          | 0.0063          | 2.5         |
|                |            |            |                | 10         | 2502.5                  | 13.03          | 0.0052          | 2.5         |
|                |            |            |                | 20         | 2502.5                  | 13.95          | 0.0056          | 2.5         |
|                |            |            |                | 30         | 2502.5                  | 13.52          | 0.0054          | 2.5         |
|                |            |            |                | 40         | 2502.5                  | 13.60          | 0.0054          | 2.5         |
|                |            |            |                | 50         | 2502.5                  | 15.28          | 0.0061          | 2.5         |
|                |            |            | VL             | 20         | 2502.5                  | 13.15          | 0.0053          | 2.5         |
|                |            |            | VH             | 20         | 2502.5                  | 14.87          | 0.0059          | 2.5         |
|                |            |            | VN             | -20        | 2535                    | 12.95          | 0.0051          | 2.5         |
|                |            |            |                | -10        | 2535                    | 14.11          | 0.0056          | 2.5         |
|                |            |            |                | 0          | 2535                    | 15.16          | 0.0060          | 2.5         |
|                |            |            |                | 10         | 2535                    | 14.28          | 0.0056          | 2.5         |
|                |            |            |                | 20         | 2535                    | 14.18          | 0.0056          | 2.5         |
|                |            |            |                | 30         | 2535                    | 13.91          | 0.0055          | 2.5         |
|                |            |            |                | 40         | 2535                    | 13.49          | 0.0053          | 2.5         |
|                |            |            |                | 50         | 2535                    | 13.74          | 0.0054          | 2.5         |
|                |            |            | VL             | 20         | 2535                    | 14.96          | 0.0059          | 2.5         |
|                |            |            | VH             | 20         | 2535                    | 15.84          | 0.0062          | 2.5         |
|                |            |            | VN             | -20        | 2567.5                  | 13.33          | 0.0052          | 2.5         |
|                |            |            |                | -10        | 2567.5                  | 15.12          | 0.0059          | 2.5         |
|                |            |            |                | 0          | 2567.5                  | 14.12          | 0.0055          | 2.5         |
|                |            |            |                | 10         | 2567.5                  | 15.11          | 0.0059          | 2.5         |
|                |            |            |                | 20         | 2567.5                  | 13.48          | 0.0052          | 2.5         |
|                |            |            |                | 30         | 2567.5                  | 15.39          | 0.0060          | 2.5         |
|                |            |            |                | 40         | 2567.5                  | 14.79          | 0.0058          | 2.5         |
|                |            |            |                | 50         | 2567.5                  | 14.34          | 0.0056          | 2.5         |
|                |            |            | VL             | 20         | 2567.5                  | 15.53          | 0.0060          | 2.5         |
|                |            |            | VH             | 20         | 2567.5                  | 13.34          | 0.0052          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND7      | QPSK/      | 10MHz      | VN             | -20        | 2505                    | 13.05          | 0.0052          | 2.5         |
|                |            |            |                | -10        | 2505                    | 12.47          | 0.0050          | 2.5         |
|                |            |            |                | 0          | 2505                    | 15.30          | 0.0061          | 2.5         |
|                |            |            |                | 10         | 2505                    | 13.35          | 0.0053          | 2.5         |
|                |            |            |                | 20         | 2505                    | 12.93          | 0.0052          | 2.5         |
|                |            |            |                | 30         | 2505                    | 15.77          | 0.0063          | 2.5         |
|                |            |            |                | 40         | 2505                    | 12.97          | 0.0052          | 2.5         |
|                |            |            |                | 50         | 2505                    | 13.02          | 0.0052          | 2.5         |
|                |            |            |                | VL         | 20                      | 2505           | 14.41           | 0.0058      |
|                |            |            | VH             | 20         | 2505                    | 14.24          | 0.0057          | 2.5         |
|                |            |            | VN             | -20        | 2535                    | 15.19          | 0.0060          | 2.5         |
|                |            |            |                | -10        | 2535                    | 15.41          | 0.0061          | 2.5         |
|                |            |            |                | 0          | 2535                    | 12.11          | 0.0048          | 2.5         |
|                |            |            |                | 10         | 2535                    | 15.80          | 0.0062          | 2.5         |
|                |            |            |                | 20         | 2535                    | 13.90          | 0.0055          | 2.5         |
|                |            |            |                | 30         | 2535                    | 13.86          | 0.0055          | 2.5         |
|                |            |            |                | 40         | 2535                    | 15.69          | 0.0062          | 2.5         |
|                |            |            |                | 50         | 2535                    | 15.23          | 0.0060          | 2.5         |
|                |            |            |                | VL         | 20                      | 2535           | 15.81           | 0.0062      |
|                |            |            | VH             | 20         | 2535                    | 13.62          | 0.0054          | 2.5         |
|                |            |            | VN             | -20        | 2565                    | 13.50          | 0.0053          | 2.5         |
|                |            |            |                | -10        | 2565                    | 12.58          | 0.0049          | 2.5         |
|                |            |            |                | 0          | 2565                    | 12.93          | 0.0050          | 2.5         |
|                |            |            |                | 10         | 2565                    | 13.86          | 0.0054          | 2.5         |
|                |            |            |                | 20         | 2565                    | 15.07          | 0.0059          | 2.5         |
|                |            |            |                | 30         | 2565                    | 14.34          | 0.0056          | 2.5         |
|                |            |            |                | 40         | 2565                    | 12.35          | 0.0048          | 2.5         |
|                |            |            |                | 50         | 2565                    | 12.41          | 0.0048          | 2.5         |
|                |            |            |                | VL         | 20                      | 2565           | 13.55           | 0.0053      |
|                |            |            | VH             | 20         | 2565                    | 13.98          | 0.0055          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND7      | QPSK       | 15MHz      | VN             | -20        | 2507.5                  | 13.87          | 0.0055          | 2.5         |
|                |            |            |                | -10        | 2507.5                  | 12.42          | 0.0050          | 2.5         |
|                |            |            |                | 0          | 2507.5                  | 13.07          | 0.0052          | 2.5         |
|                |            |            |                | 10         | 2507.5                  | 12.84          | 0.0051          | 2.5         |
|                |            |            |                | 20         | 2507.5                  | 13.73          | 0.0055          | 2.5         |
|                |            |            |                | 30         | 2507.5                  | 15.72          | 0.0063          | 2.5         |
|                |            |            |                | 40         | 2507.5                  | 13.18          | 0.0053          | 2.5         |
|                |            |            |                | 50         | 2507.5                  | 13.72          | 0.0055          | 2.5         |
|                |            |            | VL             | 20         | 2507.5                  | 14.35          | 0.0057          | 2.5         |
|                |            |            | VH             | 20         | 2507.5                  | 13.86          | 0.0055          | 2.5         |
|                |            |            | VN             | -20        | 2535                    | 12.20          | 0.0048          | 2.5         |
|                |            |            |                | -10        | 2535                    | 15.62          | 0.0062          | 2.5         |
|                |            |            |                | 0          | 2535                    | 12.60          | 0.0050          | 2.5         |
|                |            |            |                | 10         | 2535                    | 14.06          | 0.0055          | 2.5         |
|                |            |            |                | 20         | 2535                    | 15.85          | 0.0063          | 2.5         |
|                |            |            |                | 30         | 2535                    | 15.96          | 0.0063          | 2.5         |
|                |            |            |                | 40         | 2535                    | 14.19          | 0.0056          | 2.5         |
|                |            |            |                | 50         | 2535                    | 13.26          | 0.0052          | 2.5         |
|                |            |            | VL             | 20         | 2535                    | 13.51          | 0.0053          | 2.5         |
|                |            |            | VH             | 20         | 2535                    | 15.20          | 0.0060          | 2.5         |
|                |            |            | VN             | -20        | 2562.5                  | 13.37          | 0.0052          | 2.5         |
|                |            |            |                | -10        | 2562.5                  | 12.69          | 0.0050          | 2.5         |
|                |            |            |                | 0          | 2562.5                  | 12.97          | 0.0051          | 2.5         |
|                |            |            |                | 10         | 2562.5                  | 14.15          | 0.0055          | 2.5         |
|                |            |            |                | 20         | 2562.5                  | 14.47          | 0.0056          | 2.5         |
|                |            |            |                | 30         | 2562.5                  | 13.07          | 0.0051          | 2.5         |
|                |            |            |                | 40         | 2562.5                  | 12.86          | 0.0050          | 2.5         |
|                |            |            |                | 50         | 2562.5                  | 14.48          | 0.0057          | 2.5         |
|                |            |            | VL             | 20         | 2562.5                  | 15.94          | 0.0062          | 2.5         |
|                |            |            | VH             | 20         | 2562.5                  | 12.37          | 0.0048          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND7      | QPSK       | 20MHz      | VN             | -20        | 2510                    | 13.46          | 0.0054          | 2.5         |
|                |            |            |                | -10        | 2510                    | 15.32          | 0.0061          | 2.5         |
|                |            |            |                | 0          | 2510                    | 12.50          | 0.0050          | 2.5         |
|                |            |            |                | 10         | 2510                    | 12.17          | 0.0049          | 2.5         |
|                |            |            |                | 20         | 2510                    | 13.98          | 0.0056          | 2.5         |
|                |            |            |                | 30         | 2510                    | 12.09          | 0.0048          | 2.5         |
|                |            |            |                | 40         | 2510                    | 12.50          | 0.0050          | 2.5         |
|                |            |            |                | 50         | 2510                    | 14.30          | 0.0057          | 2.5         |
|                |            |            | VL             | 20         | 2510                    | 13.09          | 0.0052          | 2.5         |
|                |            |            | VH             | 20         | 2510                    | 12.19          | 0.0049          | 2.5         |
|                |            |            | VN             | -20        | 2535                    | 13.74          | 0.0054          | 2.5         |
|                |            |            |                | -10        | 2535                    | 12.20          | 0.0048          | 2.5         |
|                |            |            |                | 0          | 2535                    | 14.33          | 0.0057          | 2.5         |
|                |            |            |                | 10         | 2535                    | 12.14          | 0.0048          | 2.5         |
|                |            |            |                | 20         | 2535                    | 15.31          | 0.0060          | 2.5         |
|                |            |            |                | 30         | 2535                    | 14.07          | 0.0055          | 2.5         |
|                |            |            |                | 40         | 2535                    | 14.65          | 0.0058          | 2.5         |
|                |            |            |                | 50         | 2535                    | 15.27          | 0.0060          | 2.5         |
|                |            |            | VL             | 20         | 2535                    | 15.86          | 0.0063          | 2.5         |
|                |            |            | VH             | 20         | 2535                    | 15.55          | 0.0061          | 2.5         |
|                |            |            | VN             | -20        | 2560                    | 14.10          | 0.0055          | 2.5         |
|                |            |            |                | -10        | 2560                    | 13.68          | 0.0053          | 2.5         |
|                |            |            |                | 0          | 2560                    | 12.52          | 0.0049          | 2.5         |
|                |            |            |                | 10         | 2560                    | 15.81          | 0.0062          | 2.5         |
|                |            |            |                | 20         | 2560                    | 14.30          | 0.0056          | 2.5         |
|                |            |            |                | 30         | 2560                    | 13.05          | 0.0051          | 2.5         |
|                |            |            |                | 40         | 2560                    | 15.61          | 0.0061          | 2.5         |
|                |            |            |                | 50         | 2560                    | 14.02          | 0.0055          | 2.5         |
|                |            |            | VL             | 20         | 2560                    | 14.44          | 0.0056          | 2.5         |
|                |            |            | VH             | 20         | 2560                    | 14.43          | 0.0056          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND12     | QPSK       | 1.4MHz     | VN             | -20        | 699.7                   | -10.16         | -0.0145         | 2.5         |
|                |            |            |                | -10        | 699.7                   | -12.99         | -0.0186         | 2.5         |
|                |            |            |                | 0          | 699.7                   | -12.91         | -0.0184         | 2.5         |
|                |            |            |                | 10         | 699.7                   | -9.15          | -0.0131         | 2.5         |
|                |            |            |                | 20         | 699.7                   | -12.97         | -0.0185         | 2.5         |
|                |            |            |                | 30         | 699.7                   | -11.60         | -0.0166         | 2.5         |
|                |            |            |                | 40         | 699.7                   | -12.34         | -0.0176         | 2.5         |
|                |            |            |                | 50         | 699.7                   | -9.71          | -0.0139         | 2.5         |
|                |            |            | VL             | 20         | 699.7                   | -9.95          | -0.0142         | 2.5         |
|                |            |            | VH             | 20         | 699.7                   | -12.52         | -0.0179         | 2.5         |
|                |            |            | VN             | -20        | 707.5                   | -10.17         | -0.0144         | 2.5         |
|                |            |            |                | -10        | 707.5                   | -11.17         | -0.0158         | 2.5         |
|                |            |            |                | 0          | 707.5                   | -12.77         | -0.0181         | 2.5         |
|                |            |            |                | 10         | 707.5                   | -10.74         | -0.0152         | 2.5         |
|                |            |            |                | 20         | 707.5                   | -12.36         | -0.0175         | 2.5         |
|                |            |            |                | 30         | 707.5                   | -12.44         | -0.0176         | 2.5         |
|                |            |            |                | 40         | 707.5                   | -9.45          | -0.0134         | 2.5         |
|                |            |            |                | 50         | 707.5                   | -9.53          | -0.0135         | 2.5         |
|                |            |            | VL             | 20         | 707.5                   | -9.99          | -0.0141         | 2.5         |
|                |            |            | VH             | 20         | 707.5                   | -9.85          | -0.0139         | 2.5         |
|                |            |            | VN             | -20        | 715.3                   | -9.97          | -0.0139         | 2.5         |
|                |            |            |                | -10        | 715.3                   | -12.33         | -0.0172         | 2.5         |
|                |            |            |                | 0          | 715.3                   | -12.74         | -0.0178         | 2.5         |
|                |            |            |                | 10         | 715.3                   | -12.47         | -0.0174         | 2.5         |
|                |            |            |                | 20         | 715.3                   | -11.52         | -0.0161         | 2.5         |
|                |            |            |                | 30         | 715.3                   | -12.65         | -0.0177         | 2.5         |
|                |            |            |                | 40         | 715.3                   | -9.27          | -0.0130         | 2.5         |
|                |            |            |                | 50         | 715.3                   | -9.64          | -0.0135         | 2.5         |
|                |            |            | VL             | 20         | 715.3                   | -12.78         | -0.0179         | 2.5         |
|                |            |            | VH             | 20         | 715.3                   | -10.50         | -0.0147         | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |



| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND12     | QPSK       | 3MHz       | VN             | -20        | 700.5                   | -10.77         | -0.0154         | 2.5         |
|                |            |            |                | -10        | 700.5                   | -11.18         | -0.0160         | 2.5         |
|                |            |            |                | 0          | 700.5                   | -10.56         | -0.0151         | 2.5         |
|                |            |            |                | 10         | 700.5                   | -12.97         | -0.0185         | 2.5         |
|                |            |            |                | 20         | 700.5                   | -11.10         | -0.0158         | 2.5         |
|                |            |            |                | 30         | 700.5                   | -12.98         | -0.0185         | 2.5         |
|                |            |            |                | 40         | 700.5                   | -10.37         | -0.0148         | 2.5         |
|                |            |            |                | 50         | 700.5                   | -9.76          | -0.0139         | 2.5         |
|                |            |            | VL             | 20         | 700.5                   | -12.41         | -0.0177         | 2.5         |
|                |            |            | VH             | 20         | 700.5                   | -11.10         | -0.0158         | 2.5         |
|                |            |            | VN             | -20        | 707.5                   | -9.61          | -0.0136         | 2.5         |
|                |            |            |                | -10        | 707.5                   | -12.91         | -0.0183         | 2.5         |
|                |            |            |                | 0          | 707.5                   | -10.21         | -0.0144         | 2.5         |
|                |            |            |                | 10         | 707.5                   | -11.73         | -0.0166         | 2.5         |
|                |            |            |                | 20         | 707.5                   | -10.13         | -0.0143         | 2.5         |
|                |            |            |                | 30         | 707.5                   | -10.49         | -0.0148         | 2.5         |
|                |            |            |                | 40         | 707.5                   | -11.28         | -0.0159         | 2.5         |
|                |            |            |                | 50         | 707.5                   | -12.09         | -0.0171         | 2.5         |
|                |            |            | VL             | 20         | 707.5                   | -11.74         | -0.0166         | 2.5         |
|                |            |            | VH             | 20         | 707.5                   | -12.97         | -0.0183         | 2.5         |
|                |            |            | VN             | -20        | 714.5                   | -10.18         | -0.0142         | 2.5         |
|                |            |            |                | -10        | 714.5                   | -12.75         | -0.0178         | 2.5         |
|                |            |            |                | 0          | 714.5                   | -9.22          | -0.0129         | 2.5         |
|                |            |            |                | 10         | 714.5                   | -10.48         | -0.0147         | 2.5         |
|                |            |            |                | 20         | 714.5                   | -10.96         | -0.0153         | 2.5         |
|                |            |            |                | 30         | 714.5                   | -10.96         | -0.0153         | 2.5         |
|                |            |            |                | 40         | 714.5                   | -12.75         | -0.0178         | 2.5         |
|                |            |            |                | 50         | 714.5                   | -9.67          | -0.0135         | 2.5         |
|                |            |            | VL             | 20         | 714.5                   | -12.42         | -0.0174         | 2.5         |
|                |            |            | VH             | 20         | 714.5                   | -12.75         | -0.0178         | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND12     | QPSK       | 5MHz       | VN             | -20        | 701.5                   | -10.78         | -0.0154         | 2.5         |
|                |            |            |                | -10        | 701.5                   | -12.94         | -0.0184         | 2.5         |
|                |            |            |                | 0          | 701.5                   | -9.64          | -0.0137         | 2.5         |
|                |            |            |                | 10         | 701.5                   | -11.77         | -0.0168         | 2.5         |
|                |            |            |                | 20         | 701.5                   | -11.23         | -0.0160         | 2.5         |
|                |            |            |                | 30         | 701.5                   | -12.73         | -0.0181         | 2.5         |
|                |            |            |                | 40         | 701.5                   | -12.58         | -0.0179         | 2.5         |
|                |            |            |                | 50         | 701.5                   | -10.45         | -0.0149         | 2.5         |
|                |            |            | VL             | 20         | 701.5                   | -11.14         | -0.0159         | 2.5         |
|                |            |            | VH             | 20         | 701.5                   | -11.54         | -0.0165         | 2.5         |
|                |            |            | VN             | -20        | 707.5                   | -9.74          | -0.0138         | 2.5         |
|                |            |            |                | -10        | 707.5                   | -12.60         | -0.0178         | 2.5         |
|                |            |            |                | 0          | 707.5                   | -11.44         | -0.0162         | 2.5         |
|                |            |            |                | 10         | 707.5                   | -12.11         | -0.0171         | 2.5         |
|                |            |            |                | 20         | 707.5                   | -9.30          | -0.0132         | 2.5         |
|                |            |            |                | 30         | 707.5                   | -9.44          | -0.0133         | 2.5         |
|                |            |            |                | 40         | 707.5                   | -12.64         | -0.0179         | 2.5         |
|                |            |            |                | 50         | 707.5                   | -11.25         | -0.0159         | 2.5         |
|                |            |            | VL             | 20         | 707.5                   | -12.89         | -0.0182         | 2.5         |
|                |            |            | VH             | 20         | 707.5                   | -12.85         | -0.0182         | 2.5         |
|                |            |            | VN             | -20        | 713.5                   | -10.20         | -0.0143         | 2.5         |
|                |            |            |                | -10        | 713.5                   | -9.70          | -0.0136         | 2.5         |
|                |            |            |                | 0          | 713.5                   | -11.52         | -0.0161         | 2.5         |
|                |            |            |                | 10         | 713.5                   | -10.37         | -0.0145         | 2.5         |
|                |            |            |                | 20         | 713.5                   | -12.69         | -0.0178         | 2.5         |
|                |            |            |                | 30         | 713.5                   | -10.00         | -0.0140         | 2.5         |
|                |            |            |                | 40         | 713.5                   | -9.36          | -0.0131         | 2.5         |
|                |            |            |                | 50         | 713.5                   | -12.54         | -0.0176         | 2.5         |
|                |            |            | VL             | 20         | 713.5                   | -9.66          | -0.0135         | 2.5         |
|                |            |            | VH             | 20         | 713.5                   | -10.68         | -0.0150         | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND12     | QPSK       | 10MHz      | VN             | -20        | 704                     | -11.28         | -0.0160         | 2.5         |
|                |            |            |                | -10        | 704                     | -11.17         | -0.0159         | 2.5         |
|                |            |            |                | 0          | 704                     | -11.48         | -0.0163         | 2.5         |
|                |            |            |                | 10         | 704                     | -12.02         | -0.0171         | 2.5         |
|                |            |            |                | 20         | 704                     | -10.21         | -0.0145         | 2.5         |
|                |            |            |                | 30         | 704                     | -9.37          | -0.0133         | 2.5         |
|                |            |            |                | 40         | 704                     | -9.58          | -0.0136         | 2.5         |
|                |            |            |                | 50         | 704                     | -9.16          | -0.0130         | 2.5         |
|                |            |            | VL             | 20         | 704                     | -12.97         | -0.0184         | 2.5         |
|                |            |            | VH             | 20         | 704                     | -12.83         | -0.0182         | 2.5         |
|                |            |            | VN             | -20        | 707.5                   | -10.09         | -0.0143         | 2.5         |
|                |            |            |                | -10        | 707.5                   | -11.88         | -0.0168         | 2.5         |
|                |            |            |                | 0          | 707.5                   | -12.34         | -0.0174         | 2.5         |
|                |            |            |                | 10         | 707.5                   | -11.80         | -0.0167         | 2.5         |
|                |            |            |                | 20         | 707.5                   | -10.20         | -0.0144         | 2.5         |
|                |            |            |                | 30         | 707.5                   | -10.68         | -0.0151         | 2.5         |
|                |            |            |                | 40         | 707.5                   | -9.67          | -0.0137         | 2.5         |
|                |            |            |                | 50         | 707.5                   | -11.40         | -0.0161         | 2.5         |
|                |            |            | VL             | 20         | 707.5                   | -10.68         | -0.0151         | 2.5         |
|                |            |            | VH             | 20         | 707.5                   | -9.49          | -0.0134         | 2.5         |
|                |            |            | VN             | -20        | 711                     | -10.95         | -0.0154         | 2.5         |
|                |            |            |                | -10        | 711                     | -10.95         | -0.0154         | 2.5         |
|                |            |            |                | 0          | 711                     | -12.98         | -0.0183         | 2.5         |
|                |            |            |                | 10         | 711                     | -12.53         | -0.0176         | 2.5         |
|                |            |            |                | 20         | 711                     | -11.13         | -0.0157         | 2.5         |
|                |            |            |                | 30         | 711                     | -12.23         | -0.0172         | 2.5         |
|                |            |            |                | 40         | 711                     | -10.87         | -0.0153         | 2.5         |
|                |            |            |                | 50         | 711                     | -12.93         | -0.0182         | 2.5         |
|                |            |            | VL             | 20         | 711                     | -9.78          | -0.0138         | 2.5         |
|                |            |            | VH             | 20         | 711                     | -11.15         | -0.0157         | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND13     | QPSK       | 5MHz       | VN             | -20        | 779.5                   | 7.02           | 0.0090          | 2.5         |
|                |            |            |                | -10        | 779.5                   | 8.90           | 0.0114          | 2.5         |
|                |            |            |                | 0          | 779.5                   | 7.58           | 0.0097          | 2.5         |
|                |            |            |                | 10         | 779.5                   | 8.31           | 0.0107          | 2.5         |
|                |            |            |                | 20         | 779.5                   | 8.92           | 0.0114          | 2.5         |
|                |            |            |                | 30         | 779.5                   | 8.77           | 0.0113          | 2.5         |
|                |            |            |                | 40         | 779.5                   | 8.83           | 0.0113          | 2.5         |
|                |            |            |                | 50         | 779.5                   | 8.31           | 0.0107          | 2.5         |
|                |            |            | VL             | 20         | 779.5                   | 8.36           | 0.0107          | 2.5         |
|                |            |            | VH             | 20         | 779.5                   | 7.39           | 0.0095          | 2.5         |
|                |            |            | VN             | -20        | 782.0                   | 8.90           | 0.0114          | 2.5         |
|                |            |            |                | -10        | 782.0                   | 7.01           | 0.0090          | 2.5         |
|                |            |            |                | 0          | 782.0                   | 8.62           | 0.0110          | 2.5         |
|                |            |            |                | 10         | 782.0                   | 8.38           | 0.0107          | 2.5         |
|                |            |            |                | 20         | 782.0                   | 7.17           | 0.0092          | 2.5         |
|                |            |            |                | 30         | 782.0                   | 7.03           | 0.0090          | 2.5         |
|                |            |            |                | 40         | 782.0                   | 8.89           | 0.0114          | 2.5         |
|                |            |            |                | 50         | 782.0                   | 7.35           | 0.0094          | 2.5         |
|                |            |            | VL             | 20         | 782.0                   | 7.25           | 0.0093          | 2.5         |
|                |            |            | VH             | 20         | 782.0                   | 7.35           | 0.0094          | 2.5         |
|                |            |            | VN             | -20        | 784.5                   | 7.69           | 0.0098          | 2.5         |
|                |            |            |                | -10        | 784.5                   | 7.02           | 0.0089          | 2.5         |
|                |            |            |                | 0          | 784.5                   | 7.80           | 0.0099          | 2.5         |
|                |            |            |                | 10         | 784.5                   | 8.15           | 0.0104          | 2.5         |
|                |            |            |                | 20         | 784.5                   | 8.90           | 0.0113          | 2.5         |
|                |            |            |                | 30         | 784.5                   | 8.07           | 0.0103          | 2.5         |
|                |            |            |                | 40         | 784.5                   | 7.44           | 0.0095          | 2.5         |
|                |            |            |                | 50         | 784.5                   | 8.12           | 0.0104          | 2.5         |
|                |            |            | VL             | 20         | 784.5                   | 8.37           | 0.0107          | 2.5         |
|                |            |            | VH             | 20         | 784.5                   | 8.86           | 0.0113          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND13     | QPSK       | 10MHz      | VN             | -20        | 782.0                   | 7.02           | 0.0090          | 2.5         |
|                |            |            |                | -10        | 782.0                   | 7.62           | 0.0097          | 2.5         |
|                |            |            |                | 0          | 782.0                   | 8.28           | 0.0106          | 2.5         |
|                |            |            |                | 10         | 782.0                   | 8.91           | 0.0114          | 2.5         |
|                |            |            |                | 20         | 782.0                   | 8.87           | 0.0113          | 2.5         |
|                |            |            |                | 30         | 782.0                   | 8.38           | 0.0107          | 2.5         |
|                |            |            |                | 40         | 782.0                   | 8.88           | 0.0114          | 2.5         |
|                |            |            |                | 50         | 782.0                   | 8.70           | 0.0111          | 2.5         |
|                |            |            | VL             | 20         | 782.0                   | 7.30           | 0.0093          | 2.5         |
|                |            |            | VH             | 20         | 782.0                   | 8.04           | 0.0103          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND26     | QPSK       | 1.4MHz     | VN             | -20        | 814.7                   | 8.07           | 0.0099          | 2.5         |
|                |            |            |                | -10        | 814.7                   | 7.81           | 0.0096          | 2.5         |
|                |            |            |                | 0          | 814.7                   | 8.96           | 0.0110          | 2.5         |
|                |            |            |                | 10         | 814.7                   | 7.50           | 0.0092          | 2.5         |
|                |            |            |                | 20         | 814.7                   | 8.22           | 0.0101          | 2.5         |
|                |            |            |                | 30         | 814.7                   | 7.29           | 0.0090          | 2.5         |
|                |            |            |                | 40         | 814.7                   | 7.52           | 0.0092          | 2.5         |
|                |            |            |                | 50         | 814.7                   | 7.66           | 0.0094          | 2.5         |
|                |            |            | VL             | 20         | 814.7                   | 8.19           | 0.0101          | 2.5         |
|                |            |            | VH             | 20         | 814.7                   | 8.86           | 0.0109          | 2.5         |
|                |            |            | VN             | -20        | 831.5                   | 8.93           | 0.0107          | 2.5         |
|                |            |            |                | -10        | 831.5                   | 8.32           | 0.0100          | 2.5         |
|                |            |            |                | 0          | 831.5                   | 8.69           | 0.0105          | 2.5         |
|                |            |            |                | 10         | 831.5                   | 7.85           | 0.0094          | 2.5         |
|                |            |            |                | 20         | 831.5                   | 8.23           | 0.0099          | 2.5         |
|                |            |            |                | 30         | 831.5                   | 8.22           | 0.0099          | 2.5         |
|                |            |            |                | 40         | 831.5                   | 7.82           | 0.0094          | 2.5         |
|                |            |            |                | 50         | 831.5                   | 8.31           | 0.0100          | 2.5         |
|                |            |            | VL             | 20         | 831.5                   | 7.50           | 0.0090          | 2.5         |
|                |            |            | VH             | 20         | 831.5                   | 8.27           | 0.0099          | 2.5         |
|                |            |            | VN             | -20        | 848.3                   | 8.64           | 0.0102          | 2.5         |
|                |            |            |                | -10        | 848.3                   | 8.08           | 0.0095          | 2.5         |
|                |            |            |                | 0          | 848.3                   | 8.22           | 0.0097          | 2.5         |
|                |            |            |                | 10         | 848.3                   | 8.63           | 0.0102          | 2.5         |
|                |            |            |                | 20         | 848.3                   | 7.75           | 0.0091          | 2.5         |
|                |            |            |                | 30         | 848.3                   | 7.66           | 0.0090          | 2.5         |
|                |            |            |                | 40         | 848.3                   | 8.09           | 0.0095          | 2.5         |
|                |            |            |                | 50         | 848.3                   | 8.29           | 0.0098          | 2.5         |
|                |            |            | VL             | 20         | 848.3                   | 8.48           | 0.0100          | 2.5         |
|                |            |            | VH             | 20         | 848.3                   | 7.31           | 0.0086          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND26     | QPSK       | 3MHz       | VN             | -20        | 815.5                   | 8.83           | 0.0108          | 2.5         |
|                |            |            |                | -10        | 815.5                   | 7.08           | 0.0087          | 2.5         |
|                |            |            |                | 0          | 815.5                   | 7.57           | 0.0093          | 2.5         |
|                |            |            |                | 10         | 815.5                   | 7.42           | 0.0091          | 2.5         |
|                |            |            |                | 20         | 815.5                   | 7.12           | 0.0087          | 2.5         |
|                |            |            |                | 30         | 815.5                   | 8.06           | 0.0099          | 2.5         |
|                |            |            |                | 40         | 815.5                   | 8.73           | 0.0107          | 2.5         |
|                |            |            |                | 50         | 815.5                   | 8.37           | 0.0103          | 2.5         |
|                |            |            | VL             | 20         | 815.5                   | 7.07           | 0.0087          | 2.5         |
|                |            |            | VH             | 20         | 815.5                   | 8.28           | 0.0102          | 2.5         |
|                |            |            | VN             | -20        | 831.5                   | 7.11           | 0.0085          | 2.5         |
|                |            |            |                | -10        | 831.5                   | 7.85           | 0.0094          | 2.5         |
|                |            |            |                | 0          | 831.5                   | 7.15           | 0.0086          | 2.5         |
|                |            |            |                | 10         | 831.5                   | 8.25           | 0.0099          | 2.5         |
|                |            |            |                | 20         | 831.5                   | 8.48           | 0.0102          | 2.5         |
|                |            |            |                | 30         | 831.5                   | 7.94           | 0.0095          | 2.5         |
|                |            |            |                | 40         | 831.5                   | 8.57           | 0.0103          | 2.5         |
|                |            |            |                | 50         | 831.5                   | 8.79           | 0.0106          | 2.5         |
|                |            |            | VL             | 20         | 831.5                   | 7.68           | 0.0092          | 2.5         |
|                |            |            | VH             | 20         | 831.5                   | 7.99           | 0.0096          | 2.5         |
|                |            |            | VN             | -20        | 847.5                   | 8.44           | 0.0100          | 2.5         |
|                |            |            |                | -10        | 847.5                   | 7.28           | 0.0086          | 2.5         |
|                |            |            |                | 0          | 847.5                   | 8.96           | 0.0106          | 2.5         |
|                |            |            |                | 10         | 847.5                   | 7.83           | 0.0092          | 2.5         |
|                |            |            |                | 20         | 847.5                   | 8.20           | 0.0097          | 2.5         |
|                |            |            |                | 30         | 847.5                   | 7.90           | 0.0093          | 2.5         |
|                |            |            |                | 40         | 847.5                   | 7.01           | 0.0083          | 2.5         |
|                |            |            |                | 50         | 847.5                   | 8.28           | 0.0098          | 2.5         |
|                |            |            | VL             | 20         | 847.5                   | 7.87           | 0.0093          | 2.5         |
|                |            |            | VH             | 20         | 847.5                   | 7.40           | 0.0087          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND26     | QPSK       | 5MHz       | VN             | -20        | 816.5                   | 8.76           | 0.0107          | 2.5         |
|                |            |            |                | -10        | 816.5                   | 8.33           | 0.0102          | 2.5         |
|                |            |            |                | 0          | 816.5                   | 8.10           | 0.0099          | 2.5         |
|                |            |            |                | 10         | 816.5                   | 7.58           | 0.0093          | 2.5         |
|                |            |            |                | 20         | 816.5                   | 7.44           | 0.0091          | 2.5         |
|                |            |            |                | 30         | 816.5                   | 7.21           | 0.0088          | 2.5         |
|                |            |            |                | 40         | 816.5                   | 8.96           | 0.0110          | 2.5         |
|                |            |            |                | 50         | 816.5                   | 8.79           | 0.0108          | 2.5         |
|                |            |            | VL             | 20         | 816.5                   | 8.50           | 0.0104          | 2.5         |
|                |            |            | VH             | 20         | 816.5                   | 8.48           | 0.0104          | 2.5         |
|                |            |            | VN             | -20        | 831.5                   | 7.82           | 0.0094          | 2.5         |
|                |            |            |                | -10        | 831.5                   | 7.28           | 0.0088          | 2.5         |
|                |            |            |                | 0          | 831.5                   | 7.40           | 0.0089          | 2.5         |
|                |            |            |                | 10         | 831.5                   | 7.22           | 0.0087          | 2.5         |
|                |            |            |                | 20         | 831.5                   | 7.93           | 0.0095          | 2.5         |
|                |            |            |                | 30         | 831.5                   | 7.99           | 0.0096          | 2.5         |
|                |            |            |                | 40         | 831.5                   | 8.77           | 0.0105          | 2.5         |
|                |            |            |                | 50         | 831.5                   | 7.51           | 0.0090          | 2.5         |
|                |            |            | VL             | 20         | 831.5                   | 7.46           | 0.0090          | 2.5         |
|                |            |            | VH             | 20         | 831.5                   | 8.94           | 0.0108          | 2.5         |
|                |            |            | VN             | -20        | 846.5                   | 8.88           | 0.0105          | 2.5         |
|                |            |            |                | -10        | 846.5                   | 7.69           | 0.0091          | 2.5         |
|                |            |            |                | 0          | 846.5                   | 8.61           | 0.0102          | 2.5         |
|                |            |            |                | 10         | 846.5                   | 7.86           | 0.0093          | 2.5         |
|                |            |            |                | 20         | 846.5                   | 7.95           | 0.0094          | 2.5         |
|                |            |            |                | 30         | 846.5                   | 8.16           | 0.0096          | 2.5         |
|                |            |            |                | 40         | 846.5                   | 7.40           | 0.0087          | 2.5         |
|                |            |            |                | 50         | 846.5                   | 7.22           | 0.0085          | 2.5         |
|                |            |            | VL             | 20         | 846.5                   | 7.09           | 0.0084          | 2.5         |
|                |            |            | VH             | 20         | 846.5                   | 8.38           | 0.0099          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |



| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND26     | QPSK       | 10MHz      | VN             | -20        | 819                     | 7.38           | 0.0090          | 2.5         |
|                |            |            |                | -10        | 819                     | 8.82           | 0.0108          | 2.5         |
|                |            |            |                | 0          | 819                     | 7.95           | 0.0097          | 2.5         |
|                |            |            |                | 10         | 819                     | 8.48           | 0.0104          | 2.5         |
|                |            |            |                | 20         | 819                     | 8.12           | 0.0099          | 2.5         |
|                |            |            |                | 30         | 819                     | 7.35           | 0.0090          | 2.5         |
|                |            |            |                | 40         | 819                     | 7.73           | 0.0094          | 2.5         |
|                |            |            |                | 50         | 819                     | 7.60           | 0.0093          | 2.5         |
|                |            |            | VL             | 20         | 819                     | 7.49           | 0.0091          | 2.5         |
|                |            |            | VH             | 20         | 819                     | 7.58           | 0.0092          | 2.5         |
|                |            |            | VN             | -20        | 831.5                   | 8.33           | 0.0100          | 2.5         |
|                |            |            |                | -10        | 831.5                   | 7.28           | 0.0088          | 2.5         |
|                |            |            |                | 0          | 831.5                   | 7.15           | 0.0086          | 2.5         |
|                |            |            |                | 10         | 831.5                   | 8.04           | 0.0097          | 2.5         |
|                |            |            |                | 20         | 831.5                   | 8.34           | 0.0100          | 2.5         |
|                |            |            |                | 30         | 831.5                   | 8.78           | 0.0106          | 2.5         |
|                |            |            |                | 40         | 831.5                   | 8.33           | 0.0100          | 2.5         |
|                |            |            |                | 50         | 831.5                   | 8.14           | 0.0098          | 2.5         |
|                |            |            | VL             | 20         | 831.5                   | 8.78           | 0.0106          | 2.5         |
|                |            |            | VH             | 20         | 831.5                   | 8.73           | 0.0105          | 2.5         |
|                |            |            | VN             | -20        | 844                     | 8.26           | 0.0098          | 2.5         |
|                |            |            |                | -10        | 844                     | 7.84           | 0.0093          | 2.5         |
|                |            |            |                | 0          | 844                     | 8.60           | 0.0102          | 2.5         |
|                |            |            |                | 10         | 844                     | 8.97           | 0.0106          | 2.5         |
|                |            |            |                | 20         | 844                     | 7.19           | 0.0085          | 2.5         |
|                |            |            |                | 30         | 844                     | 8.52           | 0.0101          | 2.5         |
|                |            |            |                | 40         | 844                     | 8.81           | 0.0104          | 2.5         |
|                |            |            |                | 50         | 844                     | 8.71           | 0.0103          | 2.5         |
|                |            |            | VL             | 20         | 844                     | 8.63           | 0.0102          | 2.5         |
|                |            |            | VH             | 20         | 844                     | 7.25           | 0.0086          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND66     | QPSK       | 15MHz      | VN             | -20        | 821.5                   | 7.57           | 0.0092          | 2.5         |
|                |            |            |                | -10        | 821.5                   | 7.79           | 0.0095          | 2.5         |
|                |            |            |                | 0          | 821.5                   | 7.73           | 0.0094          | 2.5         |
|                |            |            |                | 10         | 821.5                   | 8.16           | 0.0099          | 2.5         |
|                |            |            |                | 20         | 821.5                   | 7.93           | 0.0096          | 2.5         |
|                |            |            |                | 30         | 821.5                   | 7.05           | 0.0086          | 2.5         |
|                |            |            |                | 40         | 821.5                   | 8.54           | 0.0104          | 2.5         |
|                |            |            |                | 50         | 821.5                   | 7.01           | 0.0085          | 2.5         |
|                |            |            | VL             | 20         | 821.5                   | 8.68           | 0.0106          | 2.5         |
|                |            |            | VH             | 20         | 821.5                   | 7.82           | 0.0095          | 2.5         |
|                |            |            | VN             | -20        | 831.5                   | 8.85           | 0.0106          | 2.5         |
|                |            |            |                | -10        | 831.5                   | 7.51           | 0.0090          | 2.5         |
|                |            |            |                | 0          | 831.5                   | 8.25           | 0.0099          | 2.5         |
|                |            |            |                | 10         | 831.5                   | 7.58           | 0.0091          | 2.5         |
|                |            |            |                | 20         | 831.5                   | 8.58           | 0.0103          | 2.5         |
|                |            |            |                | 30         | 831.5                   | 8.86           | 0.0107          | 2.5         |
|                |            |            |                | 40         | 831.5                   | 8.05           | 0.0097          | 2.5         |
|                |            |            |                | 50         | 831.5                   | 8.12           | 0.0098          | 2.5         |
|                |            |            | VL             | 20         | 831.5                   | 8.67           | 0.0104          | 2.5         |
|                |            |            | VH             | 20         | 831.5                   | 7.42           | 0.0089          | 2.5         |
|                |            |            | VN             | -20        | 841.5                   | 7.24           | 0.0086          | 2.5         |
|                |            |            |                | -10        | 841.5                   | 7.60           | 0.0090          | 2.5         |
|                |            |            |                | 0          | 841.5                   | 7.57           | 0.0090          | 2.5         |
|                |            |            |                | 10         | 841.5                   | 8.55           | 0.0102          | 2.5         |
|                |            |            |                | 20         | 841.5                   | 7.42           | 0.0088          | 2.5         |
|                |            |            |                | 30         | 841.5                   | 7.41           | 0.0088          | 2.5         |
|                |            |            |                | 40         | 841.5                   | 8.78           | 0.0104          | 2.5         |
|                |            |            |                | 50         | 841.5                   | 7.59           | 0.0090          | 2.5         |
|                |            |            | VL             | 20         | 841.5                   | 8.86           | 0.0105          | 2.5         |
|                |            |            | VH             | 20         | 841.5                   | 7.48           | 0.0089          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND66     | QPSK       | 1.4MHz     | VN             | -20        | 1710.7                  | 20.95          | 0.0122          | 2.5         |
|                |            |            |                | -10        | 1710.7                  | 20.28          | 0.0119          | 2.5         |
|                |            |            |                | 0          | 1710.7                  | 19.78          | 0.0116          | 2.5         |
|                |            |            |                | 10         | 1710.7                  | 20.59          | 0.0120          | 2.5         |
|                |            |            |                | 20         | 1710.7                  | 19.27          | 0.0113          | 2.5         |
|                |            |            |                | 30         | 1710.7                  | 19.98          | 0.0117          | 2.5         |
|                |            |            |                | 40         | 1710.7                  | 19.49          | 0.0114          | 2.5         |
|                |            |            |                | 50         | 1710.7                  | 19.62          | 0.0115          | 2.5         |
|                |            |            | VL             | 20         | 1710.7                  | 19.93          | 0.0117          | 2.5         |
|                |            |            | VH             | 20         | 1710.7                  | 20.89          | 0.0122          | 2.5         |
|                |            |            | VN             | -20        | 1745                    | 20.74          | 0.0119          | 2.5         |
|                |            |            |                | -10        | 1745                    | 19.60          | 0.0112          | 2.5         |
|                |            |            |                | 0          | 1745                    | 20.74          | 0.0119          | 2.5         |
|                |            |            |                | 10         | 1745                    | 20.53          | 0.0118          | 2.5         |
|                |            |            |                | 20         | 1745                    | 20.51          | 0.0118          | 2.5         |
|                |            |            |                | 30         | 1745                    | 19.47          | 0.0112          | 2.5         |
|                |            |            |                | 40         | 1745                    | 20.20          | 0.0116          | 2.5         |
|                |            |            |                | 50         | 1745                    | 20.02          | 0.0115          | 2.5         |
|                |            |            | VL             | 20         | 1745                    | 20.64          | 0.0118          | 2.5         |
|                |            |            | VH             | 20         | 1745                    | 19.86          | 0.0114          | 2.5         |
|                |            |            | VN             | -20        | 1779.3                  | 19.15          | 0.0108          | 2.5         |
|                |            |            |                | -10        | 1779.3                  | 19.59          | 0.0110          | 2.5         |
|                |            |            |                | 0          | 1779.3                  | 20.65          | 0.0116          | 2.5         |
|                |            |            |                | 10         | 1779.3                  | 19.92          | 0.0112          | 2.5         |
|                |            |            |                | 20         | 1779.3                  | 19.57          | 0.0110          | 2.5         |
|                |            |            |                | 30         | 1779.3                  | 19.97          | 0.0112          | 2.5         |
|                |            |            |                | 40         | 1779.3                  | 19.73          | 0.0111          | 2.5         |
|                |            |            |                | 50         | 1779.3                  | 20.22          | 0.0114          | 2.5         |
|                |            |            | VL             | 20         | 1779.3                  | 19.95          | 0.0112          | 2.5         |
|                |            |            | VH             | 20         | 1779.3                  | 19.85          | 0.0112          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation  | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|-------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |             |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND66     | QPSK/16-QAM | 3MHz       | VN             | -20        | 1711.5                  | 20.32          | 0.0119          | 2.5         |
|                |             |            |                | -10        | 1711.5                  | 20.65          | 0.0121          | 2.5         |
|                |             |            |                | 0          | 1711.5                  | 20.42          | 0.0119          | 2.5         |
|                |             |            |                | 10         | 1711.5                  | 19.94          | 0.0116          | 2.5         |
|                |             |            |                | 20         | 1711.5                  | 20.06          | 0.0117          | 2.5         |
|                |             |            |                | 30         | 1711.5                  | 19.91          | 0.0116          | 2.5         |
|                |             |            |                | 40         | 1711.5                  | 19.63          | 0.0115          | 2.5         |
|                |             |            |                | 50         | 1711.5                  | 19.84          | 0.0116          | 2.5         |
|                |             |            | VL             | 20         | 1711.5                  | 20.39          | 0.0119          | 2.5         |
|                |             |            | VH             | 20         | 1711.5                  | 19.62          | 0.0115          | 2.5         |
|                |             |            | VN             | -20        | 1745                    | 19.02          | 0.0109          | 2.5         |
|                |             |            |                | -10        | 1745                    | 20.73          | 0.0119          | 2.5         |
|                |             |            |                | 0          | 1745                    | 20.61          | 0.0118          | 2.5         |
|                |             |            |                | 10         | 1745                    | 19.87          | 0.0114          | 2.5         |
|                |             |            |                | 20         | 1745                    | 20.86          | 0.0120          | 2.5         |
|                |             |            |                | 30         | 1745                    | 19.18          | 0.0110          | 2.5         |
|                |             |            |                | 40         | 1745                    | 19.05          | 0.0109          | 2.5         |
|                |             |            |                | 50         | 1745                    | 19.74          | 0.0113          | 2.5         |
|                |             |            | VL             | 20         | 1745                    | 19.65          | 0.0113          | 2.5         |
|                |             |            | VH             | 20         | 1745                    | 20.27          | 0.0116          | 2.5         |
|                |             |            | VN             | -20        | 1778.5                  | 20.73          | 0.0117          | 2.5         |
|                |             |            |                | -10        | 1778.5                  | 20.10          | 0.0113          | 2.5         |
|                |             |            |                | 0          | 1778.5                  | 19.63          | 0.0110          | 2.5         |
|                |             |            |                | 10         | 1778.5                  | 19.34          | 0.0109          | 2.5         |
|                |             |            |                | 20         | 1778.5                  | 19.09          | 0.0107          | 2.5         |
|                |             |            |                | 30         | 1778.5                  | 19.89          | 0.0112          | 2.5         |
|                |             |            |                | 40         | 1778.5                  | 20.40          | 0.0115          | 2.5         |
|                |             |            |                | 50         | 1778.5                  | 19.48          | 0.0110          | 2.5         |
|                |             |            | VL             | 20         | 1778.5                  | 20.89          | 0.0117          | 2.5         |
|                |             |            | VH             | 20         | 1778.5                  | 20.81          | 0.0117          | 2.5         |
| VERDICT        |             |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND66     | QPSK       | 5MHz       | VN             | -20        | 1712.5                  | 19.63          | 0.0115          | 2.5         |
|                |            |            |                | -10        | 1712.5                  | 19.47          | 0.0114          | 2.5         |
|                |            |            |                | 0          | 1712.5                  | 19.38          | 0.0113          | 2.5         |
|                |            |            |                | 10         | 1712.5                  | 20.30          | 0.0119          | 2.5         |
|                |            |            |                | 20         | 1712.5                  | 20.73          | 0.0121          | 2.5         |
|                |            |            |                | 30         | 1712.5                  | 19.76          | 0.0115          | 2.5         |
|                |            |            |                | 40         | 1712.5                  | 19.85          | 0.0116          | 2.5         |
|                |            |            |                | 50         | 1712.5                  | 19.72          | 0.0115          | 2.5         |
|                |            |            | VL             | 20         | 1712.5                  | 20.18          | 0.0118          | 2.5         |
|                |            |            | VH             | 20         | 1712.5                  | 19.91          | 0.0116          | 2.5         |
|                |            |            | VN             | -20        | 1745                    | 19.47          | 0.0112          | 2.5         |
|                |            |            |                | -10        | 1745                    | 19.80          | 0.0113          | 2.5         |
|                |            |            |                | 0          | 1745                    | 19.71          | 0.0113          | 2.5         |
|                |            |            |                | 10         | 1745                    | 20.53          | 0.0118          | 2.5         |
|                |            |            |                | 20         | 1745                    | 19.46          | 0.0112          | 2.5         |
|                |            |            |                | 30         | 1745                    | 19.42          | 0.0111          | 2.5         |
|                |            |            |                | 40         | 1745                    | 20.40          | 0.0117          | 2.5         |
|                |            |            |                | 50         | 1745                    | 20.55          | 0.0118          | 2.5         |
|                |            |            | VL             | 20         | 1745                    | 19.06          | 0.0109          | 2.5         |
|                |            |            | VH             | 20         | 1745                    | 20.15          | 0.0115          | 2.5         |
|                |            |            | VN             | -20        | 1778.5                  | 20.55          | 0.0116          | 2.5         |
|                |            |            |                | -10        | 1778.5                  | 20.10          | 0.0113          | 2.5         |
|                |            |            |                | 0          | 1778.5                  | 20.79          | 0.0117          | 2.5         |
|                |            |            |                | 10         | 1778.5                  | 19.32          | 0.0109          | 2.5         |
|                |            |            |                | 20         | 1778.5                  | 19.21          | 0.0108          | 2.5         |
|                |            |            |                | 30         | 1778.5                  | 20.91          | 0.0118          | 2.5         |
|                |            |            |                | 40         | 1778.5                  | 19.16          | 0.0108          | 2.5         |
|                |            |            |                | 50         | 1778.5                  | 19.40          | 0.0109          | 2.5         |
|                |            |            | VL             | 20         | 1778.5                  | 19.08          | 0.0107          | 2.5         |
|                |            |            | VH             | 20         | 1778.5                  | 20.64          | 0.0116          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND66     | QPSK       | 10MHz      | VN             | -20        | 1715                    | 20.90          | 0.0122          | 2.5         |
|                |            |            |                | -10        | 1715                    | 20.48          | 0.0119          | 2.5         |
|                |            |            |                | 0          | 1715                    | 19.97          | 0.0116          | 2.5         |
|                |            |            |                | 10         | 1715                    | 20.02          | 0.0117          | 2.5         |
|                |            |            |                | 20         | 1715                    | 20.29          | 0.0118          | 2.5         |
|                |            |            |                | 30         | 1715                    | 20.18          | 0.0118          | 2.5         |
|                |            |            |                | 40         | 1715                    | 20.60          | 0.0120          | 2.5         |
|                |            |            |                | 50         | 1715                    | 19.83          | 0.0116          | 2.5         |
|                |            |            | VL             | 20         | 1715                    | 19.63          | 0.0114          | 2.5         |
|                |            |            | VH             | 20         | 1715                    | 20.57          | 0.0120          | 2.5         |
|                |            |            | VN             | -20        | 1745                    | 19.66          | 0.0113          | 2.5         |
|                |            |            |                | -10        | 1745                    | 20.91          | 0.0120          | 2.5         |
|                |            |            |                | 0          | 1745                    | 20.76          | 0.0119          | 2.5         |
|                |            |            |                | 10         | 1745                    | 19.86          | 0.0114          | 2.5         |
|                |            |            |                | 20         | 1745                    | 20.19          | 0.0116          | 2.5         |
|                |            |            |                | 30         | 1745                    | 20.27          | 0.0116          | 2.5         |
|                |            |            |                | 40         | 1745                    | 19.52          | 0.0112          | 2.5         |
|                |            |            |                | 50         | 1745                    | 20.01          | 0.0115          | 2.5         |
|                |            |            | VL             | 20         | 1745                    | 20.81          | 0.0119          | 2.5         |
|                |            |            | VH             | 20         | 1745                    | 19.72          | 0.0113          | 2.5         |
|                |            |            | VN             | -20        | 1775                    | 20.39          | 0.0115          | 2.5         |
|                |            |            |                | -10        | 1775                    | 19.34          | 0.0109          | 2.5         |
|                |            |            |                | 0          | 1775                    | 20.19          | 0.0114          | 2.5         |
|                |            |            |                | 10         | 1775                    | 19.33          | 0.0109          | 2.5         |
|                |            |            |                | 20         | 1775                    | 19.89          | 0.0112          | 2.5         |
|                |            |            |                | 30         | 1775                    | 20.72          | 0.0117          | 2.5         |
|                |            |            |                | 40         | 1775                    | 19.32          | 0.0109          | 2.5         |
|                |            |            |                | 50         | 1775                    | 20.02          | 0.0113          | 2.5         |
|                |            |            | VL             | 20         | 1775                    | 20.57          | 0.0116          | 2.5         |
|                |            |            | VH             | 20         | 1775                    | 20.51          | 0.0116          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND66     | QPSK       | 15MHz      | VN             | -20        | 1717.5                  | 19.98          | 0.0116          | 2.5         |
|                |            |            |                | -10        | 1717.5                  | 20.77          | 0.0121          | 2.5         |
|                |            |            |                | 0          | 1717.5                  | 20.08          | 0.0117          | 2.5         |
|                |            |            |                | 10         | 1717.5                  | 20.01          | 0.0117          | 2.5         |
|                |            |            |                | 20         | 1717.5                  | 20.20          | 0.0118          | 2.5         |
|                |            |            |                | 30         | 1717.5                  | 20.02          | 0.0117          | 2.5         |
|                |            |            |                | 40         | 1717.5                  | 20.59          | 0.0120          | 2.5         |
|                |            |            |                | 50         | 1717.5                  | 20.75          | 0.0121          | 2.5         |
|                |            |            | VL             | 20         | 1717.5                  | 19.23          | 0.0112          | 2.5         |
|                |            |            | VH             | 20         | 1717.5                  | 20.25          | 0.0118          | 2.5         |
|                |            |            | VN             | -20        | 1745                    | 19.55          | 0.0112          | 2.5         |
|                |            |            |                | -10        | 1745                    | 20.10          | 0.0115          | 2.5         |
|                |            |            |                | 0          | 1745                    | 20.33          | 0.0117          | 2.5         |
|                |            |            |                | 10         | 1745                    | 19.99          | 0.0115          | 2.5         |
|                |            |            |                | 20         | 1745                    | 20.25          | 0.0116          | 2.5         |
|                |            |            |                | 30         | 1745                    | 20.01          | 0.0115          | 2.5         |
|                |            |            |                | 40         | 1745                    | 19.69          | 0.0113          | 2.5         |
|                |            |            |                | 50         | 1745                    | 20.45          | 0.0117          | 2.5         |
|                |            |            | VL             | 20         | 1745                    | 19.46          | 0.0111          | 2.5         |
|                |            |            | VH             | 20         | 1745                    | 20.53          | 0.0118          | 2.5         |
|                |            |            | VN             | -20        | 1772.5                  | 20.18          | 0.0114          | 2.5         |
|                |            |            |                | -10        | 1772.5                  | 20.58          | 0.0116          | 2.5         |
|                |            |            |                | 0          | 1772.5                  | 20.43          | 0.0115          | 2.5         |
|                |            |            |                | 10         | 1772.5                  | 19.01          | 0.0107          | 2.5         |
|                |            |            |                | 20         | 1772.5                  | 19.50          | 0.0110          | 2.5         |
|                |            |            |                | 30         | 1772.5                  | 20.50          | 0.0116          | 2.5         |
|                |            |            |                | 40         | 1772.5                  | 19.88          | 0.0112          | 2.5         |
|                |            |            |                | 50         | 1772.5                  | 20.59          | 0.0116          | 2.5         |
|                |            |            | VL             | 20         | 1772.5                  | 20.53          | 0.0116          | 2.5         |
|                |            |            | VH             | 20         | 1772.5                  | 19.13          | 0.0108          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND66     | QPSK       | 20MHz      | VN             | -20        | 1720                    | 19.66          | 0.0114          | 2.5         |
|                |            |            |                | -10        | 1720                    | 19.76          | 0.0115          | 2.5         |
|                |            |            |                | 0          | 1720                    | 20.59          | 0.0120          | 2.5         |
|                |            |            |                | 10         | 1720                    | 19.85          | 0.0115          | 2.5         |
|                |            |            |                | 20         | 1720                    | 19.44          | 0.0113          | 2.5         |
|                |            |            |                | 30         | 1720                    | 19.74          | 0.0115          | 2.5         |
|                |            |            |                | 40         | 1720                    | 19.65          | 0.0114          | 2.5         |
|                |            |            |                | 50         | 1720                    | 19.83          | 0.0115          | 2.5         |
|                |            |            |                | VL         | 20                      | 1720           | 19.09           | 0.0111      |
|                |            |            | VH             | 20         | 1720                    | 19.06          | 0.0111          | 2.5         |
|                |            |            | VN             | -20        | 1745                    | 19.25          | 0.0110          | 2.5         |
|                |            |            |                | -10        | 1745                    | 19.00          | 0.0109          | 2.5         |
|                |            |            |                | 0          | 1745                    | 20.02          | 0.0115          | 2.5         |
|                |            |            |                | 10         | 1745                    | 20.95          | 0.0120          | 2.5         |
|                |            |            |                | 20         | 1745                    | 19.92          | 0.0114          | 2.5         |
|                |            |            |                | 30         | 1745                    | 20.54          | 0.0118          | 2.5         |
|                |            |            |                | 40         | 1745                    | 20.48          | 0.0117          | 2.5         |
|                |            |            |                | 50         | 1745                    | 20.61          | 0.0118          | 2.5         |
|                |            |            |                | VL         | 20                      | 1745           | 19.10           | 0.0109      |
|                |            |            | VH             | 20         | 1745                    | 20.86          | 0.0120          | 2.5         |
|                |            |            | VN             | -20        | 1770                    | 19.32          | 0.0109          | 2.5         |
|                |            |            |                | -10        | 1770                    | 20.57          | 0.0116          | 2.5         |
|                |            |            |                | 0          | 1770                    | 19.33          | 0.0109          | 2.5         |
|                |            |            |                | 10         | 1770                    | 19.18          | 0.0108          | 2.5         |
|                |            |            |                | 20         | 1770                    | 20.10          | 0.0114          | 2.5         |
|                |            |            |                | 30         | 1770                    | 19.24          | 0.0109          | 2.5         |
|                |            |            |                | 40         | 1770                    | 19.10          | 0.0108          | 2.5         |
|                |            |            |                | 50         | 1770                    | 19.76          | 0.0112          | 2.5         |
|                |            |            |                | VL         | 20                      | 1770           | 19.23           | 0.0109      |
|                |            |            | VH             | 20         | 1770                    | 20.60          | 0.0116          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |



| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND41     | QPSK       | 5MHz       | VN             | -20        | 2498.5                  | 8.89           | 0.0036          | 2.5         |
|                |            |            |                | -10        | 2498.5                  | 8.62           | 0.0034          | 2.5         |
|                |            |            |                | 0          | 2498.5                  | 9.29           | 0.0037          | 2.5         |
|                |            |            |                | 10         | 2498.5                  | 8.68           | 0.0035          | 2.5         |
|                |            |            |                | 20         | 2498.5                  | 8.97           | 0.0036          | 2.5         |
|                |            |            |                | 30         | 2498.5                  | 8.34           | 0.0033          | 2.5         |
|                |            |            |                | 40         | 2498.5                  | 8.18           | 0.0033          | 2.5         |
|                |            |            |                | 50         | 2498.5                  | 9.24           | 0.0037          | 2.5         |
|                |            |            | VL             | 20         | 2498.5                  | 9.62           | 0.0039          | 2.5         |
|                |            |            | VH             | 20         | 2498.5                  | 9.27           | 0.0037          | 2.5         |
|                |            |            | VN             | -20        | 2593                    | 9.38           | 0.0036          | 2.5         |
|                |            |            |                | -10        | 2593                    | 8.90           | 0.0034          | 2.5         |
|                |            |            |                | 0          | 2593                    | 9.85           | 0.0038          | 2.5         |
|                |            |            |                | 10         | 2593                    | 8.40           | 0.0032          | 2.5         |
|                |            |            |                | 20         | 2593                    | 8.98           | 0.0035          | 2.5         |
|                |            |            |                | 30         | 2593                    | 8.99           | 0.0035          | 2.5         |
|                |            |            |                | 40         | 2593                    | 8.57           | 0.0033          | 2.5         |
|                |            |            |                | 50         | 2593                    | 8.81           | 0.0034          | 2.5         |
|                |            |            | VL             | 20         | 2593                    | 9.63           | 0.0037          | 2.5         |
|                |            |            | VH             | 20         | 2593                    | 9.07           | 0.0035          | 2.5         |
|                |            |            | VN             | -20        | 2687.5                  | 8.79           | 0.0033          | 2.5         |
|                |            |            |                | -10        | 2687.5                  | 9.15           | 0.0034          | 2.5         |
|                |            |            |                | 0          | 2687.5                  | 9.48           | 0.0035          | 2.5         |
|                |            |            |                | 10         | 2687.5                  | 9.69           | 0.0036          | 2.5         |
|                |            |            |                | 20         | 2687.5                  | 8.79           | 0.0033          | 2.5         |
|                |            |            |                | 30         | 2687.5                  | 9.70           | 0.0036          | 2.5         |
|                |            |            |                | 40         | 2687.5                  | 9.76           | 0.0036          | 2.5         |
|                |            |            |                | 50         | 2687.5                  | 9.62           | 0.0036          | 2.5         |
|                |            |            | VL             | 20         | 2687.5                  | 8.54           | 0.0032          | 2.5         |
|                |            |            | VH             | 20         | 2687.5                  | 9.62           | 0.0036          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND41     | QPSK       | 10MHz      | VN             | -20        | 2501                    | 8.99           | 0.0036          | 2.5         |
|                |            |            |                | -10        | 2501                    | 8.50           | 0.0034          | 2.5         |
|                |            |            |                | 0          | 2501                    | 8.01           | 0.0032          | 2.5         |
|                |            |            |                | 10         | 2501                    | 8.03           | 0.0032          | 2.5         |
|                |            |            |                | 20         | 2501                    | 8.62           | 0.0034          | 2.5         |
|                |            |            |                | 30         | 2501                    | 9.19           | 0.0037          | 2.5         |
|                |            |            |                | 40         | 2501                    | 9.54           | 0.0038          | 2.5         |
|                |            |            |                | 50         | 2501                    | 8.64           | 0.0035          | 2.5         |
|                |            |            | VL             | 20         | 2501                    | 8.73           | 0.0035          | 2.5         |
|                |            |            | VH             | 20         | 2501                    | 9.05           | 0.0036          | 2.5         |
|                |            |            | VN             | -20        | 2593                    | 8.62           | 0.0033          | 2.5         |
|                |            |            |                | -10        | 2593                    | 8.68           | 0.0033          | 2.5         |
|                |            |            |                | 0          | 2593                    | 9.08           | 0.0035          | 2.5         |
|                |            |            |                | 10         | 2593                    | 9.80           | 0.0038          | 2.5         |
|                |            |            |                | 20         | 2593                    | 9.96           | 0.0038          | 2.5         |
|                |            |            |                | 30         | 2593                    | 8.46           | 0.0033          | 2.5         |
|                |            |            |                | 40         | 2593                    | 8.19           | 0.0032          | 2.5         |
|                |            |            |                | 50         | 2593                    | 8.92           | 0.0034          | 2.5         |
|                |            |            | VL             | 20         | 2593                    | 8.40           | 0.0032          | 2.5         |
|                |            |            | VH             | 20         | 2593                    | 9.05           | 0.0035          | 2.5         |
|                |            |            | VN             | -20        | 2685                    | 8.72           | 0.0032          | 2.5         |
|                |            |            |                | -10        | 2685                    | 9.99           | 0.0037          | 2.5         |
|                |            |            |                | 0          | 2685                    | 9.17           | 0.0034          | 2.5         |
|                |            |            |                | 10         | 2685                    | 8.17           | 0.0030          | 2.5         |
|                |            |            |                | 20         | 2685                    | 8.69           | 0.0032          | 2.5         |
|                |            |            |                | 30         | 2685                    | 8.53           | 0.0032          | 2.5         |
|                |            |            |                | 40         | 2685                    | 8.25           | 0.0031          | 2.5         |
|                |            |            |                | 50         | 2685                    | 9.62           | 0.0036          | 2.5         |
|                |            |            | VL             | 20         | 2685                    | 8.22           | 0.0031          | 2.5         |
|                |            |            | VH             | 20         | 2685                    | 8.34           | 0.0031          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND41     | QPSK       | 15MHz      | VN             | -20        | 2503.5                  | 9.02           | 0.0036          | 2.5         |
|                |            |            |                | -10        | 2503.5                  | 8.31           | 0.0033          | 2.5         |
|                |            |            |                | 0          | 2503.5                  | 9.43           | 0.0038          | 2.5         |
|                |            |            |                | 10         | 2503.5                  | 8.83           | 0.0035          | 2.5         |
|                |            |            |                | 20         | 2503.5                  | 8.11           | 0.0032          | 2.5         |
|                |            |            |                | 30         | 2503.5                  | 9.36           | 0.0037          | 2.5         |
|                |            |            |                | 40         | 2503.5                  | 9.28           | 0.0037          | 2.5         |
|                |            |            |                | 50         | 2503.5                  | 9.52           | 0.0038          | 2.5         |
|                |            |            | VL             | 20         | 2503.5                  | 9.26           | 0.0037          | 2.5         |
|                |            |            | VH             | 20         | 2503.5                  | 9.20           | 0.0037          | 2.5         |
|                |            |            | VN             | -20        | 2593                    | 9.50           | 0.0037          | 2.5         |
|                |            |            |                | -10        | 2593                    | 8.85           | 0.0034          | 2.5         |
|                |            |            |                | 0          | 2593                    | 9.58           | 0.0037          | 2.5         |
|                |            |            |                | 10         | 2593                    | 9.31           | 0.0036          | 2.5         |
|                |            |            |                | 20         | 2593                    | 9.96           | 0.0038          | 2.5         |
|                |            |            |                | 30         | 2593                    | 8.79           | 0.0034          | 2.5         |
|                |            |            |                | 40         | 2593                    | 8.53           | 0.0033          | 2.5         |
|                |            |            |                | 50         | 2593                    | 8.65           | 0.0033          | 2.5         |
|                |            |            | VL             | 20         | 2593                    | 9.46           | 0.0036          | 2.5         |
|                |            |            | VH             | 20         | 2593                    | 9.92           | 0.0038          | 2.5         |
|                |            |            | VN             | -20        | 2682.5                  | 8.78           | 0.0033          | 2.5         |
|                |            |            |                | -10        | 2682.5                  | 9.76           | 0.0036          | 2.5         |
|                |            |            |                | 0          | 2682.5                  | 8.95           | 0.0033          | 2.5         |
|                |            |            |                | 10         | 2682.5                  | 9.31           | 0.0035          | 2.5         |
|                |            |            |                | 20         | 2682.5                  | 9.81           | 0.0037          | 2.5         |
|                |            |            |                | 30         | 2682.5                  | 9.36           | 0.0035          | 2.5         |
|                |            |            |                | 40         | 2682.5                  | 8.40           | 0.0031          | 2.5         |
|                |            |            |                | 50         | 2682.5                  | 8.89           | 0.0033          | 2.5         |
|                |            |            | VL             | 20         | 2682.5                  | 8.32           | 0.0031          | 2.5         |
|                |            |            | VH             | 20         | 2682.5                  | 8.72           | 0.0033          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

| Operation Mode | Modulation | Band Width | Test Condition |            | Channel Frequency (MHz) | Freq.Dev. (Hz) | Deviation (ppm) | Limit (ppm) |
|----------------|------------|------------|----------------|------------|-------------------------|----------------|-----------------|-------------|
|                |            |            | Volt. (V)      | Temp. (°C) |                         |                |                 |             |
| LTE BAND41     | QPSK       | 20MHz      | VN             | -20        | 2506                    | 8.82           | 0.0035          | 2.5         |
|                |            |            |                | -10        | 2506                    | 9.02           | 0.0036          | 2.5         |
|                |            |            |                | 0          | 2506                    | 9.46           | 0.0038          | 2.5         |
|                |            |            |                | 10         | 2506                    | 8.48           | 0.0034          | 2.5         |
|                |            |            |                | 20         | 2506                    | 9.62           | 0.0038          | 2.5         |
|                |            |            |                | 30         | 2506                    | 8.74           | 0.0035          | 2.5         |
|                |            |            |                | 40         | 2506                    | 9.99           | 0.0040          | 2.5         |
|                |            |            |                | 50         | 2506                    | 9.68           | 0.0039          | 2.5         |
|                |            |            | VL             | 20         | 2506                    | 9.48           | 0.0038          | 2.5         |
|                |            |            | VH             | 20         | 2506                    | 9.91           | 0.0040          | 2.5         |
|                |            |            | VN             | -20        | 2593                    | 8.06           | 0.0031          | 2.5         |
|                |            |            |                | -10        | 2593                    | 9.67           | 0.0037          | 2.5         |
|                |            |            |                | 0          | 2593                    | 9.48           | 0.0037          | 2.5         |
|                |            |            |                | 10         | 2593                    | 8.78           | 0.0034          | 2.5         |
|                |            |            |                | 20         | 2593                    | 8.68           | 0.0033          | 2.5         |
|                |            |            |                | 30         | 2593                    | 9.68           | 0.0037          | 2.5         |
|                |            |            |                | 40         | 2593                    | 9.53           | 0.0037          | 2.5         |
|                |            |            |                | 50         | 2593                    | 9.00           | 0.0035          | 2.5         |
|                |            |            | VL             | 20         | 2593                    | 8.53           | 0.0033          | 2.5         |
|                |            |            | VH             | 20         | 2593                    | 9.46           | 0.0036          | 2.5         |
|                |            |            | VN             | -20        | 2680                    | 9.87           | 0.0037          | 2.5         |
|                |            |            |                | -10        | 2680                    | 9.13           | 0.0034          | 2.5         |
|                |            |            |                | 0          | 2680                    | 8.33           | 0.0031          | 2.5         |
|                |            |            |                | 10         | 2680                    | 8.75           | 0.0033          | 2.5         |
|                |            |            |                | 20         | 2680                    | 8.78           | 0.0033          | 2.5         |
|                |            |            |                | 30         | 2680                    | 8.57           | 0.0032          | 2.5         |
|                |            |            |                | 40         | 2680                    | 8.37           | 0.0031          | 2.5         |
|                |            |            |                | 50         | 2680                    | 9.72           | 0.0036          | 2.5         |
|                |            |            | VL             | 20         | 2680                    | 9.07           | 0.0034          | 2.5         |
|                |            |            | VH             | 20         | 2680                    | 8.44           | 0.0031          | 2.5         |
| VERDICT        |            |            |                |            | PASS                    |                |                 |             |

## APPENDIX H: TEST DATA FOR PEAK TO AVERAGE RATIO

| Operation Mode | Modulation | Band Width | Test Channel | Test RB | P. A .R (dB) | Limit (dB) | Verdict |
|----------------|------------|------------|--------------|---------|--------------|------------|---------|
| LTE Band2      | QPSK       | 20MHz      | Low          | RB1#0   | 4.58         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Middle       | RB1#0   | 4.57         | <=13       | Pass    |
|                | QPSK       | 20MHz      | High         | RB1#0   | 4.81         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Low          | RB1#0   | 5.39         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Middle       | RB1#0   | 5.28         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | High         | RB1#0   | 5.38         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Low          | RB1#0   | 5.74         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Middle       | RB1#0   | 5.87         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | High         | RB1#0   | 5.92         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Low          | Full RB | 5.00         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Middle       | Full RB | 5.02         | <=13       | Pass    |
|                | QPSK       | 20MHz      | High         | Full RB | 5.27         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Low          | Full RB | 5.99         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Middle       | Full RB | 5.98         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | High         | Full RB | 6.01         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Low          | Full RB | 6.15         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Middle       | Full RB | 6.33         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | High         | Full RB | 6.40         | <=13       | Pass    |

| Operation Mode | Modulation | Band Width | Test Channel | Test RB | P. A .R (dB) | Limit (dB) | Verdict |
|----------------|------------|------------|--------------|---------|--------------|------------|---------|
| LTE Band7      | QPSK       | 20MHz      | Low          | RB1#0   | 4.54         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Middle       | RB1#0   | 4.53         | <=13       | Pass    |
|                | QPSK       | 20MHz      | High         | RB1#0   | 4.78         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Low          | RB1#0   | 5.37         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Middle       | RB1#0   | 5.24         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | High         | RB1#0   | 5.33         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Low          | RB1#0   | 5.69         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Middle       | RB1#0   | 5.84         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | High         | RB1#0   | 5.89         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Low          | Full RB | 4.95         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Middle       | Full RB | 5.00         | <=13       | Pass    |
|                | QPSK       | 20MHz      | High         | Full RB | 5.23         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Low          | Full RB | 5.96         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Middle       | Full RB | 5.95         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | High         | Full RB | 5.98         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Low          | Full RB | 6.10         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Middle       | Full RB | 6.29         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | High         | Full RB | 6.36         | <=13       | Pass    |

| Operation Mode | Modulation | Band Width | Test Channel | Test RB | P. A .R (dB) | Limit (dB) | Verdict |
|----------------|------------|------------|--------------|---------|--------------|------------|---------|
| LTE Band41     | QPSK       | 20MHz      | Low          | RB1#0   | 4.55         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Middle       | RB1#0   | 4.54         | <=13       | Pass    |
|                | QPSK       | 20MHz      | High         | RB1#0   | 4.77         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Low          | RB1#0   | 5.36         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Middle       | RB1#0   | 5.26         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | High         | RB1#0   | 5.35         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Low          | RB1#0   | 5.70         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Middle       | RB1#0   | 5.84         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | High         | RB1#0   | 5.89         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Low          | Full RB | 4.95         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Middle       | Full RB | 5.00         | <=13       | Pass    |
|                | QPSK       | 20MHz      | High         | Full RB | 5.23         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Low          | Full RB | 5.96         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Middle       | Full RB | 5.94         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | High         | Full RB | 5.96         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Low          | Full RB | 6.11         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Middle       | Full RB | 6.29         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | High         | Full RB | 6.37         | <=13       | Pass    |

| Operation Mode | Modulation | Band Width | Test Channel | Test RB | P. A .R (dB) | Limit (dB) | Verdict |
|----------------|------------|------------|--------------|---------|--------------|------------|---------|
| LTE Band66     | QPSK       | 20MHz      | Low          | RB1#0   | 4.56         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Middle       | RB1#0   | 4.54         | <=13       | Pass    |
|                | QPSK       | 20MHz      | High         | RB1#0   | 4.78         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Low          | RB1#0   | 5.35         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Middle       | RB1#0   | 5.26         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | High         | RB1#0   | 5.33         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Low          | RB1#0   | 5.71         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Middle       | RB1#0   | 5.83         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | High         | RB1#0   | 5.88         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Low          | Full RB | 4.98         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Middle       | Full RB | 4.99         | <=13       | Pass    |
|                | QPSK       | 20MHz      | High         | Full RB | 5.22         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Low          | Full RB | 5.97         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | Middle       | Full RB | 5.95         | <=13       | Pass    |
|                | 16QAM      | 20MHz      | High         | Full RB | 5.98         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Low          | Full RB | 6.11         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | Middle       | Full RB | 6.30         | <=13       | Pass    |
|                | 64QAM      | 20MHz      | High         | Full RB | 6.38         | <=13       | Pass    |

| Operation Mode | Modulation | Band Width | Test Channel | Test RB | P. A .R (dB) | Limit (dB) | Verdict |
|----------------|------------|------------|--------------|---------|--------------|------------|---------|
| LTE Babd7      | QPSK       | 5MHz       | Low          | RB1#0   | 4.58         | <=13       | Pass    |
|                | QPSK       | 5MHz       | Middle       | RB1#0   | 4.57         | <=13       | Pass    |
|                | QPSK       | 5MHz       | High         | RB1#0   | 4.81         | <=13       | Pass    |
|                | 16-QAM     | 5MHz       | Low          | RB1#0   | 5.59         | <=13       | Pass    |
|                | 16-QAM     | 5MHz       | Middle       | RB1#0   | 5.28         | <=13       | Pass    |
|                | 16-QAM     | 5MHz       | High         | RB1#0   | 6.08         | <=13       | Pass    |
| LTE Babd7      | QPSK       | 10MHz      | Low          | RB1#0   | 4.68         | <=13       | Pass    |
|                | QPSK       | 10MHz      | Middle       | RB1#0   | 4.73         | <=13       | Pass    |
|                | QPSK       | 10MHz      | High         | RB1#0   | 4.89         | <=13       | Pass    |
|                | 16-QAM     | 10MHz      | Low          | RB1#0   | 5.54         | <=13       | Pass    |
|                | 16-QAM     | 10MHz      | Middle       | RB1#0   | 5.10         | <=13       | Pass    |
|                | 16-QAM     | 10MHz      | High         | RB1#0   | 6.09         | <=13       | Pass    |
| TE Babd7       | QPSK       | 15MHz      | Low          | RB1#0   | 4.55         | <=13       | Pass    |
|                | QPSK       | 15MHz      | Middle       | RB1#0   | 4.66         | <=13       | Pass    |
|                | QPSK       | 15MHz      | High         | RB1#0   | 4.92         | <=13       | Pass    |
|                | 16-QAM     | 15MHz      | Low          | RB1#0   | 5.47         | <=13       | Pass    |
|                | 16-QAM     | 15MHz      | Middle       | RB1#0   | 5.35         | <=13       | Pass    |
|                | 16-QAM     | 15MHz      | High         | RB1#0   | 6.13         | <=13       | Pass    |
| TE Babd7       | QPSK       | 20MHz      | Low          | RB1#0   | 4.71         | <=13       | Pass    |
|                | QPSK       | 20MHz      | Middle       | RB1#0   | 4.43         | <=13       | Pass    |
|                | QPSK       | 20MHz      | High         | RB1#0   | 4.91         | <=13       | Pass    |
|                | 16-QAM     | 20MHz      | Low          | RB1#0   | 5.59         | <=13       | Pass    |
|                | 16-QAM     | 20MHz      | Middle       | RB1#0   | 5.20         | <=13       | Pass    |
|                | 16-QAM     | 20MHz      | High         | RB1#0   | 5.87         | <=13       | Pass    |

Detail of factor for radiated emission

| Frequency(MHz) | Ant_F(dB) | Cab_L(dB) | Preamp(dB) | Correct Factor(dB) |
|----------------|-----------|-----------|------------|--------------------|
| 0.009          | 20.6      | 0.03      | \          | 20.63              |
| 0.15           | 20.7      | 0.1       | \          | 20.8               |
| 1              | 20.9      | 0.15      | \          | 21.05              |
| 10             | 20.1      | 0.28      | \          | 20.38              |
| 30             | 18.8      | 0.45      | \          | 19.25              |
|                |           |           |            |                    |
| 30             | 11.7      | 0.62      | 27.9       | -15.58             |
| 100            | 12.5      | 1.02      | 27.8       | -14.28             |
| 300            | 12.9      | 1.91      | 27.5       | -12.69             |
| 600            | 19.2      | 2.92      | 27         | -4.88              |
| 800            | 21.1      | 3.54      | 26.6       | -1.96              |
| 1000           | 22.3      | 4.17      | 26.2       | 0.27               |
|                |           |           |            |                    |
| 1000           | 25.6      | 1.76      | 41.4       | -14.04             |
| 3000           | 28.9      | 3.27      | 43.2       | -11.03             |
| 5000           | 31.1      | 4.2       | 44.6       | -9.3               |
| 8000           | 36.2      | 5.95      | 44.7       | -2.55              |
| 10000          | 38.4      | 6.3       | 43.9       | 0.8                |
| 12000          | 38.5      | 7.14      | 42.3       | 3.34               |
| 15000          | 40.2      | 8.15      | 41.4       | 6.95               |
| 18000          | 45.4      | 9.02      | 41.3       | 13.12              |
|                |           |           |            |                    |
| 18000          | 37.9      | 1.81      | 47.9       | -8.19              |
| 21000          | 37.9      | 1.95      | 48.7       | -8.85              |
| 25000          | 39.3      | 2.01      | 42.8       | -1.49              |
| 28000          | 39.6      | 2.16      | 46.0       | -4.24              |
| 31000          | 41.2      | 2.24      | 44.5       | -1.06              |
| 34000          | 41.5      | 2.29      | 46.6       | -2.81              |
| 37000          | 43.8      | 2.30      | 46.4       | -0.3               |
| 40000          | 43.2      | 2.50      | 42.2       | 3.5                |

**END OF REPORT**