

### Lower Band Edge Measurement Results

| Channel Frequency (MHz) | Nominal Channel BW (MHz) | EARFCN | Resource Blocks | RB Offset | Modulation | Band Edge Emission (dBm) | Limit (dBm) | Margin (dB) |
|-------------------------|--------------------------|--------|-----------------|-----------|------------|--------------------------|-------------|-------------|
| 1850.7                  | 1.4                      | 18607  | 1               | 0         | QPSK       | -25.69                   | -13.00      | 12.7        |
| 1850.7                  | 1.4                      | 18607  | 1               | 0         | 16QAM      | -27.14                   |             | 14.1        |
| 1850.7                  | 1.4                      | 18607  | 1               | 0         | 64QAM      | -26.17                   |             | 13.2        |
| 1850.7                  | 1.4                      | 18607  | 6               | 0         | QPSK       | -30.64                   |             | 17.6        |
| 1850.7                  | 1.4                      | 18607  | 6               | 0         | 16QAM      | -31.65                   |             | 18.7        |
| 1850.7                  | 1.4                      | 18607  | 6               | 0         | 64QAM      | -33.66                   |             | 20.7        |
| 1851.5                  | 3                        | 18615  | 15              | 0         | QPSK       | -32.23                   |             | 19.2        |
| 1851.5                  | 3                        | 18615  | 15              | 0         | 16QAM      | -32.83                   |             | 19.8        |
| 1851.5                  | 3                        | 18615  | 15              | 0         | 64QAM      | -35.54                   |             | 22.5        |
| 1852.5                  | 5                        | 18625  | 25              | 0         | QPSK       | -28.25                   |             | 15.3        |
| 1852.5                  | 5                        | 18625  | 25              | 0         | 16QAM      | -29.04                   |             | 16.0        |
| 1852.5                  | 5                        | 18625  | 25              | 0         | 64QAM      | -30.78                   |             | 17.8        |
| 1855                    | 10                       | 18650  | 50              | 0         | QPSK       | -34.27                   |             | 21.3        |
| 1855                    | 10                       | 18650  | 50              | 0         | 16QAM      | -36.16                   |             | 23.2        |
| 1855                    | 10                       | 18650  | 50              | 0         | 64QAM      | -36.85                   |             | 23.9        |
| 1857.5                  | 15                       | 18675  | 75              | 0         | QPSK       | -29.57                   |             | 16.6        |
| 1857.5                  | 15                       | 18675  | 75              | 0         | 16QAM      | -31.22                   |             | 18.2        |
| 1857.5                  | 15                       | 18675  | 75              | 0         | 64QAM      | -31.92                   |             | 18.9        |
| 1860                    | 20                       | 18700  | 100             | 0         | QPSK       | -32.34                   |             | 19.3        |
| 1860                    | 20                       | 18700  | 100             | 0         | 16QAM      | -33.60                   |             | 20.6        |
| 1860                    | 20                       | 18700  | 100             | 0         | 64QAM      | -33.50                   | 20.5        |             |
| <b>Complies</b>         |                          |        |                 |           |            |                          |             |             |

Margin = Limit - Band Edge Emission

## Lower Band Edge (LBE) Emissions LTE Band 2



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -25.69 dBm  
 \*Att 10 dB    1.850000000 GHz

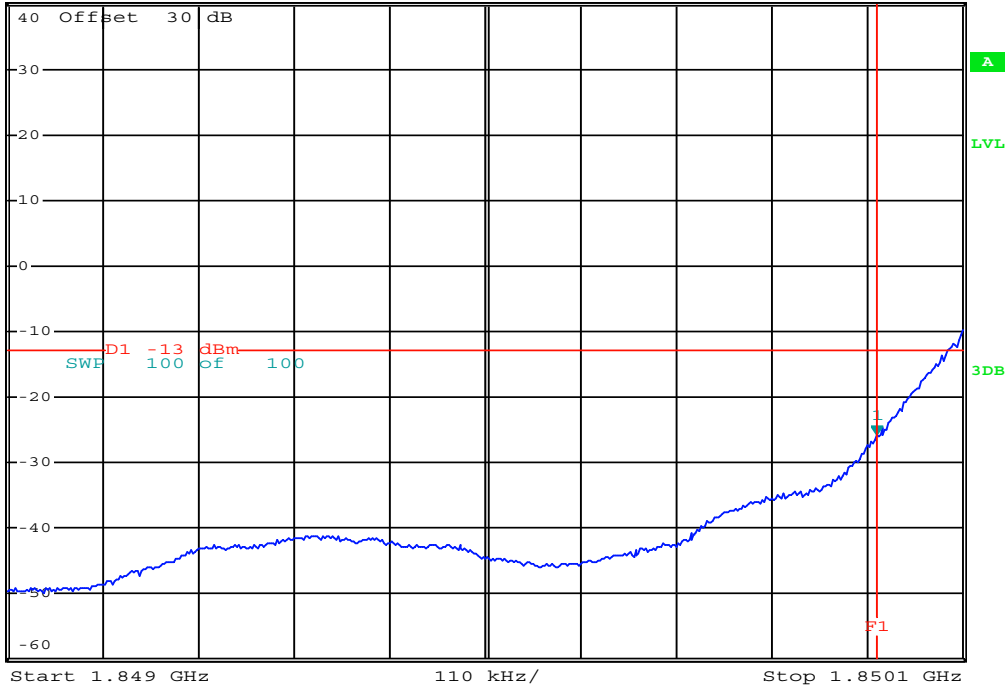
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

1.850000000 GHz

1 RM\*  
 VIEW



Date: 22.APR.2021 14:17:47

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1850.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-25.69</b> |
| EARFCN: <b>18607</b>                   | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>0</b>                    | Modulation: <b>QPSK</b>             |   |

# Lower Band Edge (LBE) Emissions LTE Band 2

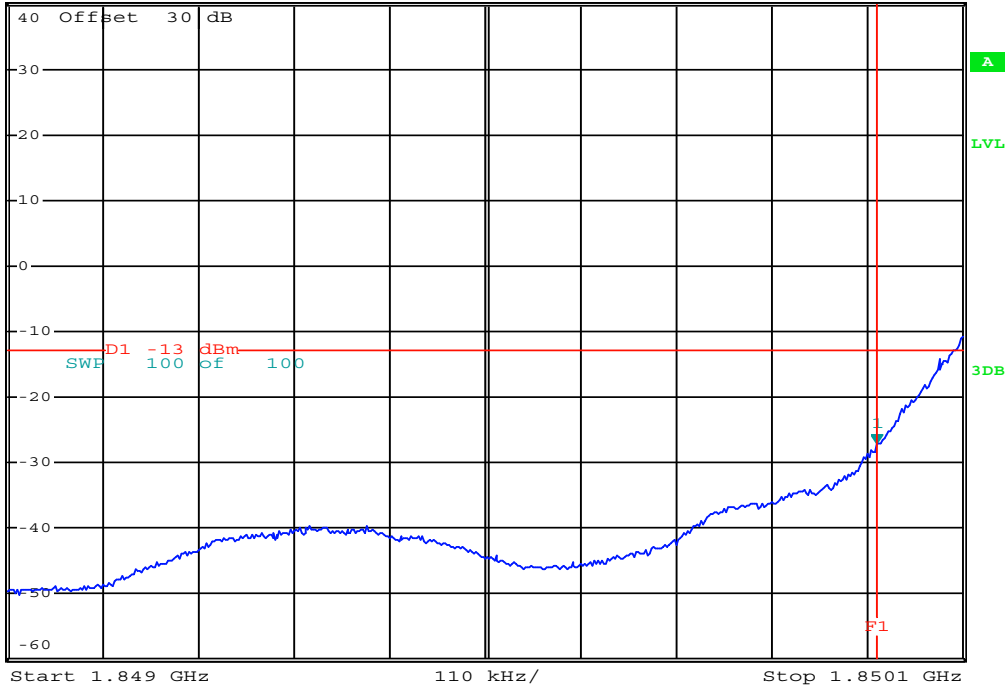


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -27.14 dBm  
 \*Att 10 dB    1.850000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 22.APR.2021 14:19:53

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1850.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-27.14</b> |
| EARFCN: <b>18607</b>                   | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>0</b>                    | Modulation: <b>16QAM</b>            |   |

## Lower Band Edge (LBE) Emissions LTE Band 2

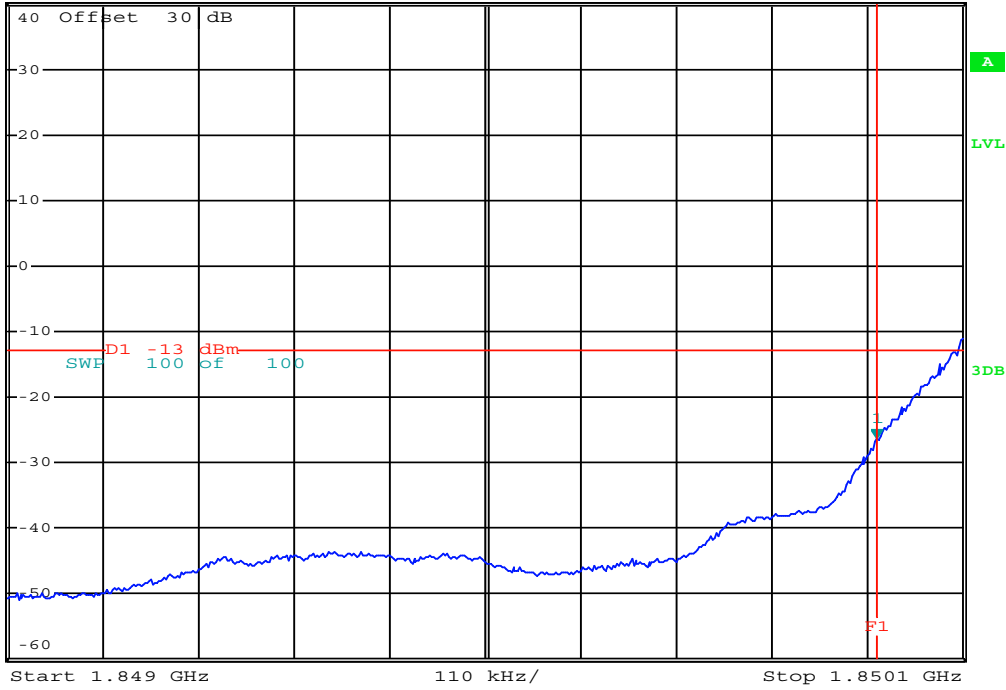


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -26.17 dBm  
 \*Att 10 dB    1.85000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 22.APR.2021 14:20:53

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1850.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-26.17</b> |
| EARFCN: <b>18607</b>                   | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>0</b>                    | Modulation: <b>64QAM</b>            |   |

## Lower Band Edge (LBE) Emissions LTE Band 2

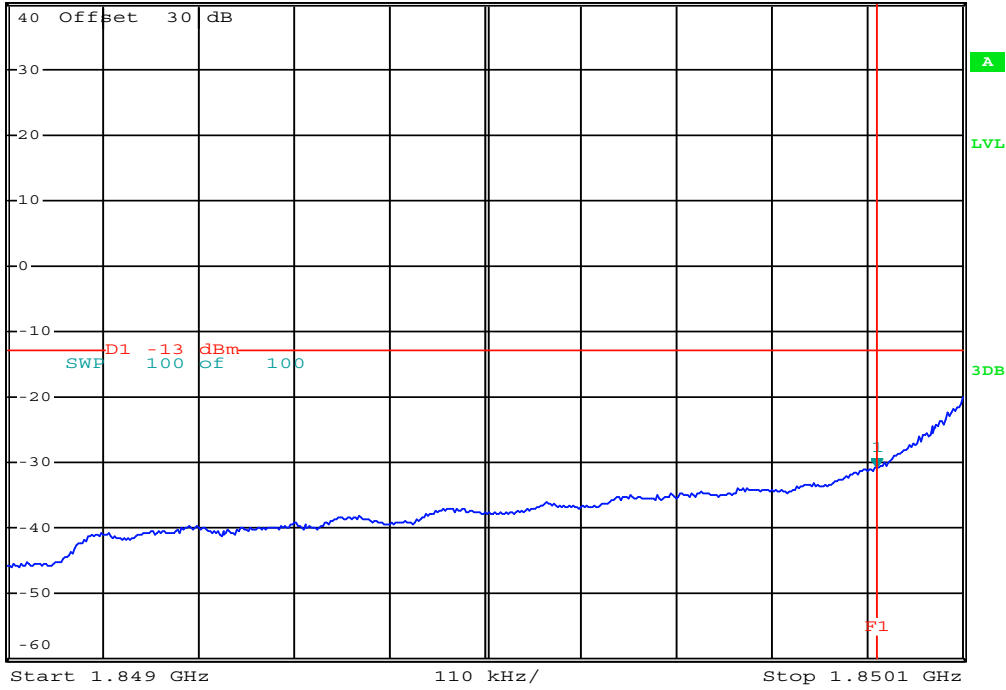


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -30.64 dBm  
 \*Att 10 dB    1.85000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 22.APR.2021 14:30:44

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1850.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-30.64</b> |
| EARFCN: <b>18607</b>                   | Resource Blocks (RB): <b>6</b>      |   |
| RB Offset: <b>0</b>                    | Modulation: <b>QPSK</b>             |   |

## Lower Band Edge (LBE) Emissions LTE Band 2

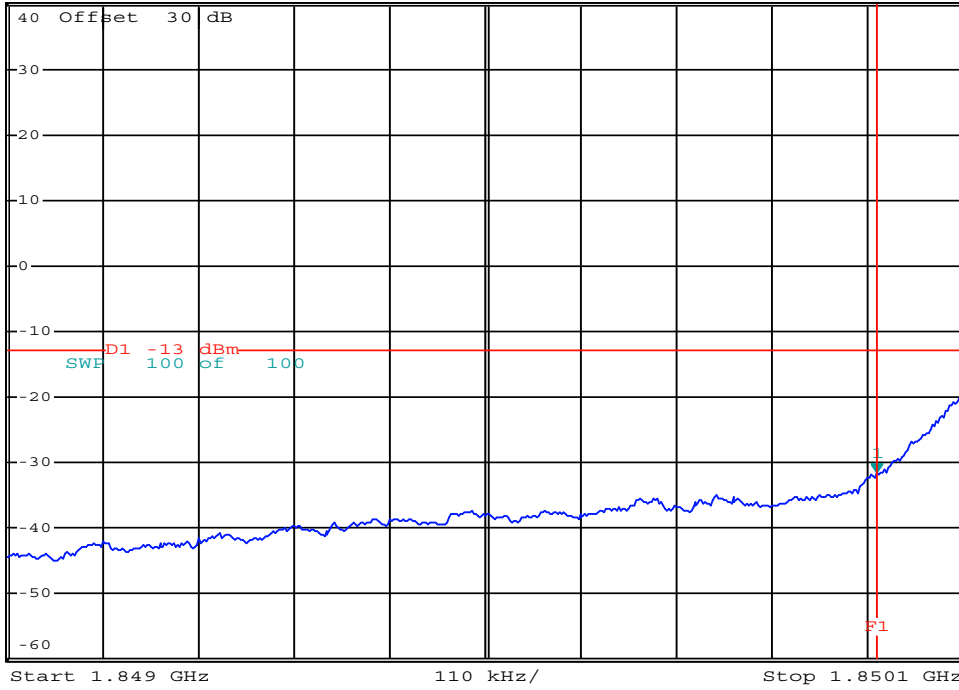


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -31.65 dBm  
 \*Att 10 dB    1.85000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 22.APR.2021 14:29:50

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1850.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-31.65</b> |
| EARFCN: <b>18607</b>                   | Resource Blocks (RB): <b>6</b>      |   |
| RB Offset: <b>0</b>                    | Modulation: <b>16QAM</b>            |   |

## Lower Band Edge (LBE) Emissions LTE Band 2

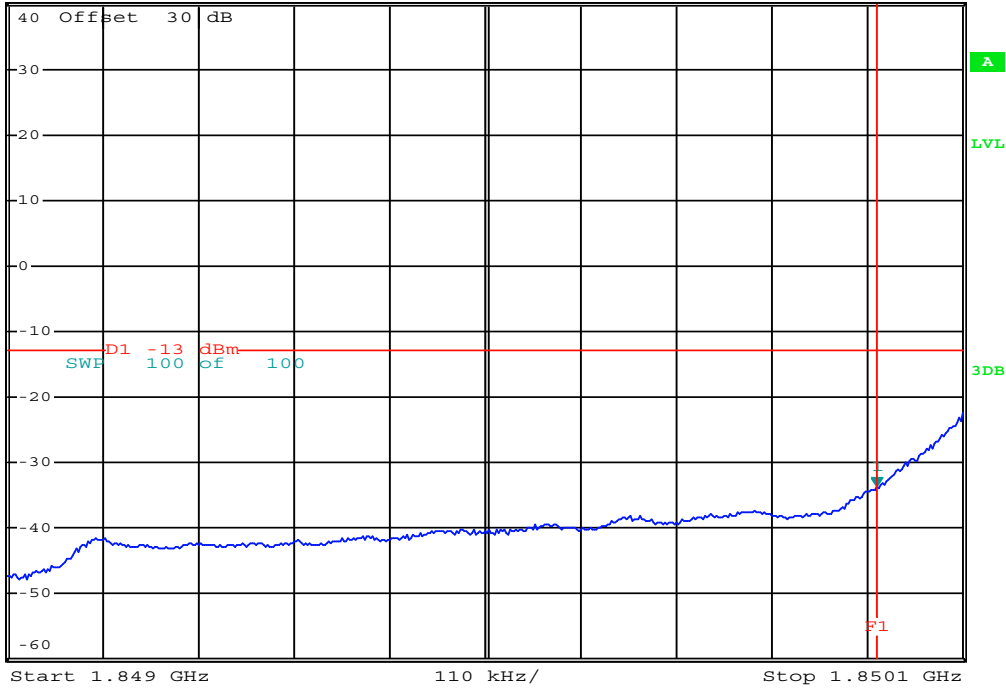


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -33.66 dBm  
 \*Att 10 dB    1.85000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 22.APR.2021 14:28:52

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1850.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-33.66</b> |
| EARFCN: <b>18607</b>                   | Resource Blocks (RB): <b>6</b>      |   |
| RB Offset: <b>0</b>                    | Modulation: <b>64QAM</b>            |   |

## Lower Band Edge (LBE) Emissions LTE Band 2



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -32.23 dBm  
 \*Att 10 dB    1.85000000 GHz

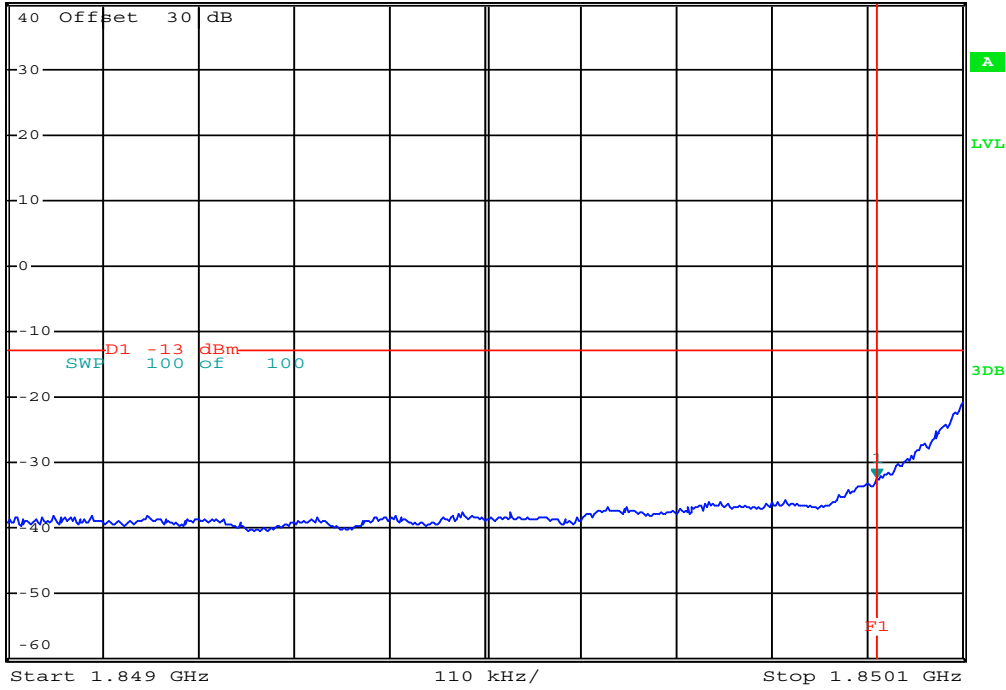
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

1.85000000 GHz

1 RM\*  
 VIEW



Date: 22.APR.2021 14:33:33

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1851.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-32.23</b> |
| EARFCN: <b>18615</b>                   | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                    | Modulation: <b>QPSK</b>             |   |



## Lower Band Edge (LBE) Emissions LTE Band 2

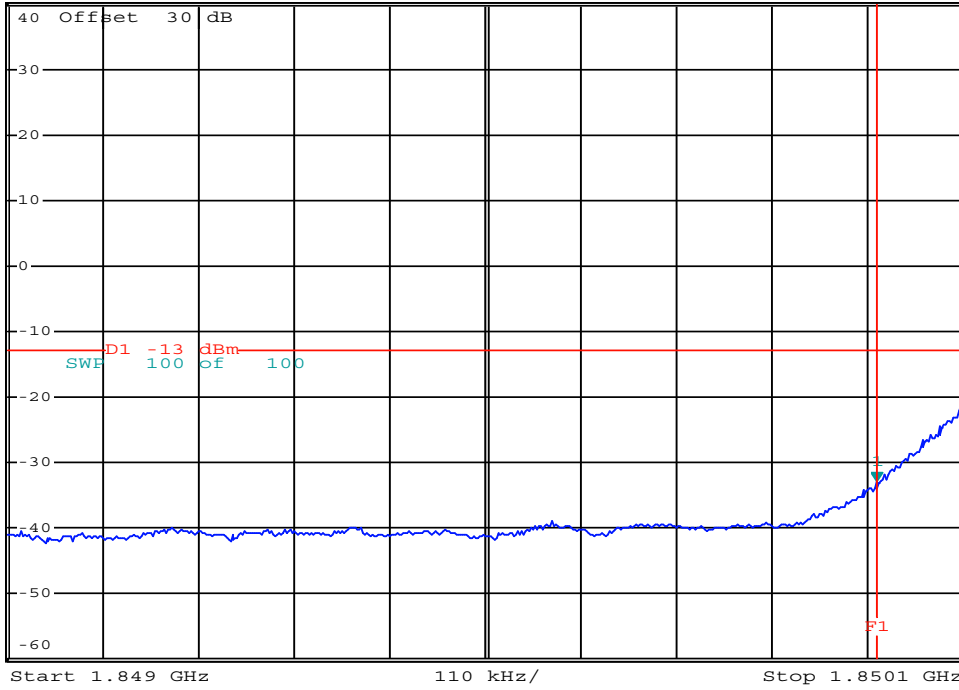


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -32.83 dBm  
 \*Att 10 dB    1.85000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 22.APR.2021 14:34:25

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1851.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-32.83</b> |
| EARFCN: <b>18615</b>                   | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                    | Modulation: <b>16QAM</b>            |   |

## Lower Band Edge (LBE) Emissions LTE Band 2



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -35.54 dBm  
 \*Att 10 dB    1.85000000 GHz

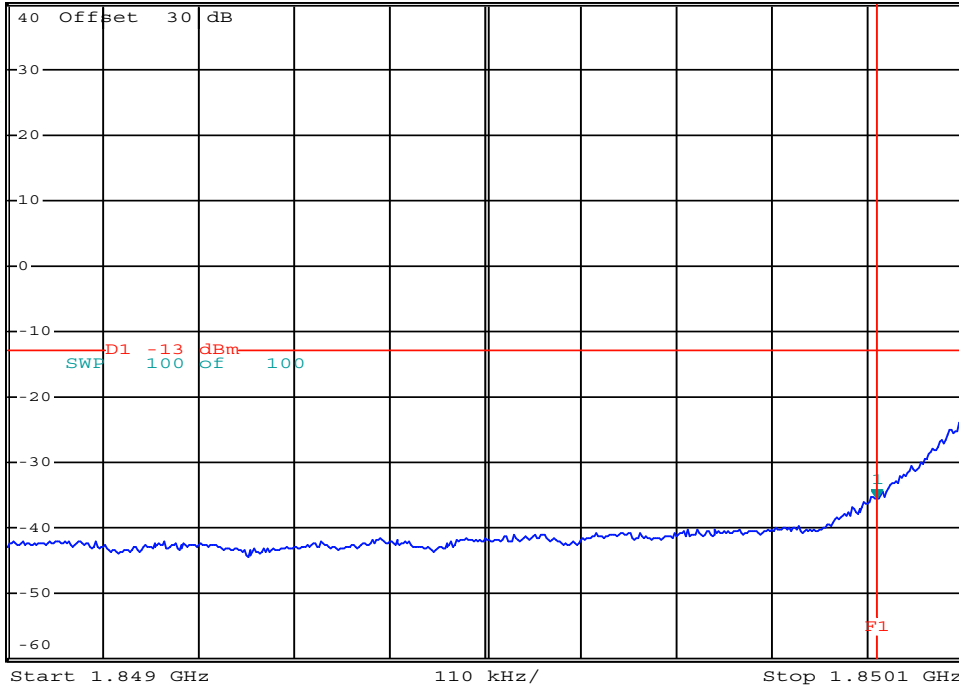
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

1.85000000 GHz

1 RM\*  
VIEW



Date: 22.APR.2021 14:35:31

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1851.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-35.54</b> |
| EARFCN: <b>18615</b>                   | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                    | Modulation: <b>64QAM</b>            |   |

## Lower Band Edge (LBE) Emissions LTE Band 2

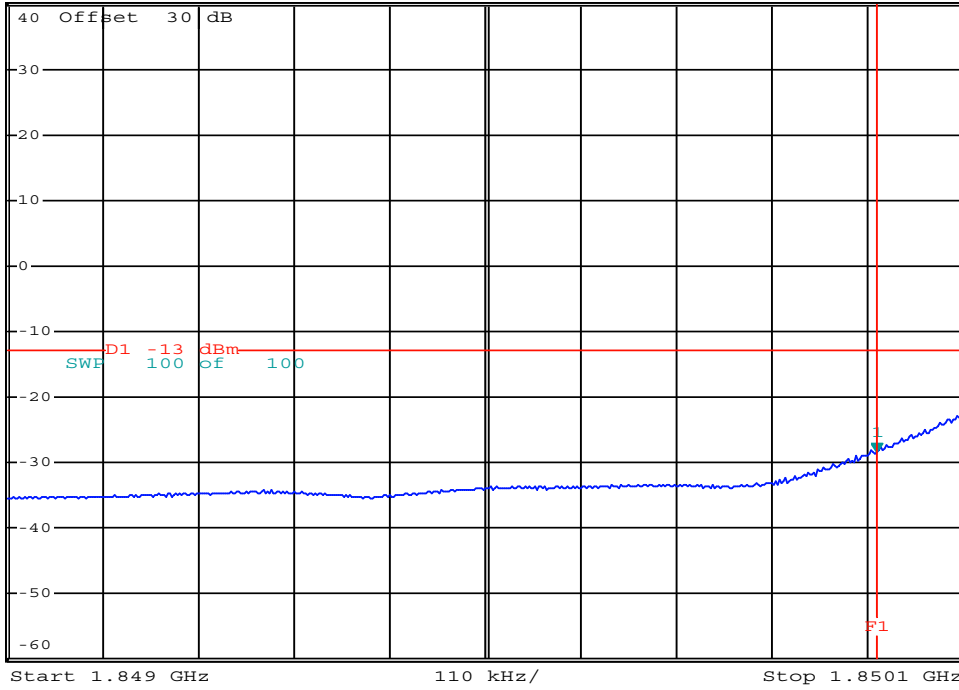


\*RBW 100 kHz    Marker 1 [T1 ]  
 VBW 1 MHz                    -28.25 dBm  
 \*Att 10 dB                    1.85000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 22.APR.2021 14:40:32

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1852.5</b> | Channel Bandwidth (MHz): <b>5.0</b> | Band Edge Emission (dBm): <b>-28.25</b> |
| EARFCN: <b>18625</b>                   | Resource Blocks (RB): <b>25</b>     |   |
| RB Offset: <b>0</b>                    | Modulation: <b>QPSK</b>             |   |









## Lower Band Edge (LBE) Emissions LTE Band 2



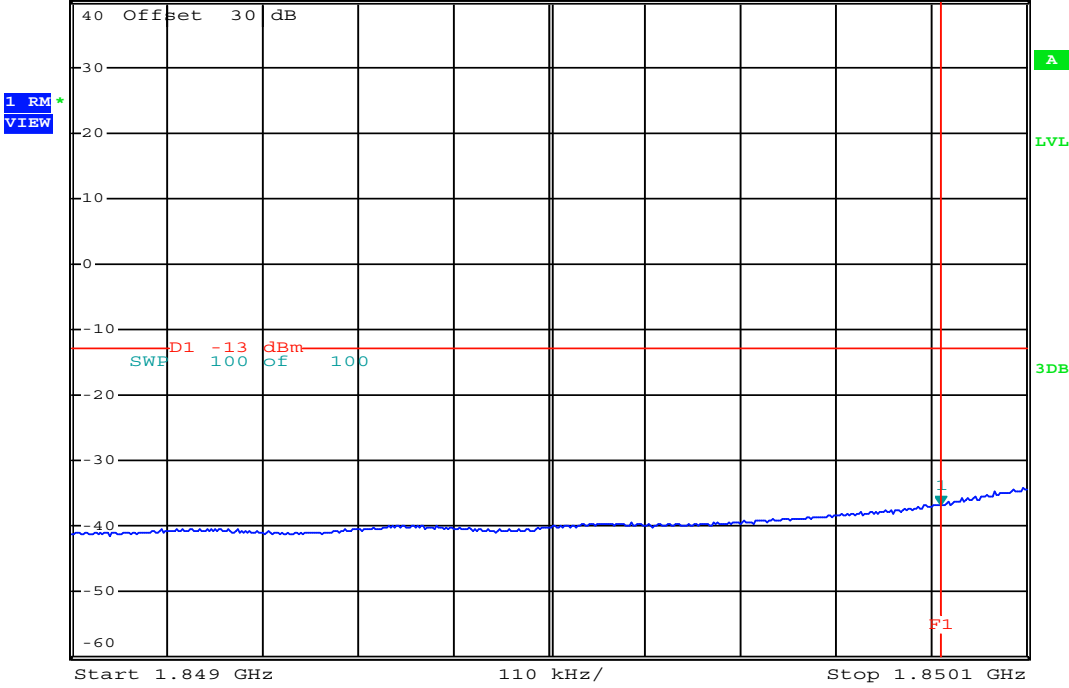
\*RBW 100 kHz    Marker 1 [T1 ]  
 VBW 1 MHz                    -36.85 dBm  
 \*Att 10 dB                    1.850000000 GHz

Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

1.850000000 GHz



Date: 22.APR.2021 14:44:31

|  |                                      |   |
|--|--------------------------------------|---|
| Channel Frequency (MHz): <b>1855.0</b> | Channel Bandwidth (MHz): <b>10.0</b> | Band Edge Emission (dBm): <b>-36.85</b> |
| EARFCN: <b>18650</b>                   | Resource Blocks (RB): <b>50</b>      |   |
| RB Offset: <b>0</b>                    | Modulation: <b>64QAM</b>             |   |



## Lower Band Edge (LBE) Emissions LTE Band 2



\*RBW 300 kHz    Marker 1 [T1 ]  
 VBW 3 MHz                    -29.57 dBm  
 \*Att 10 dB                    1.85000000 GHz

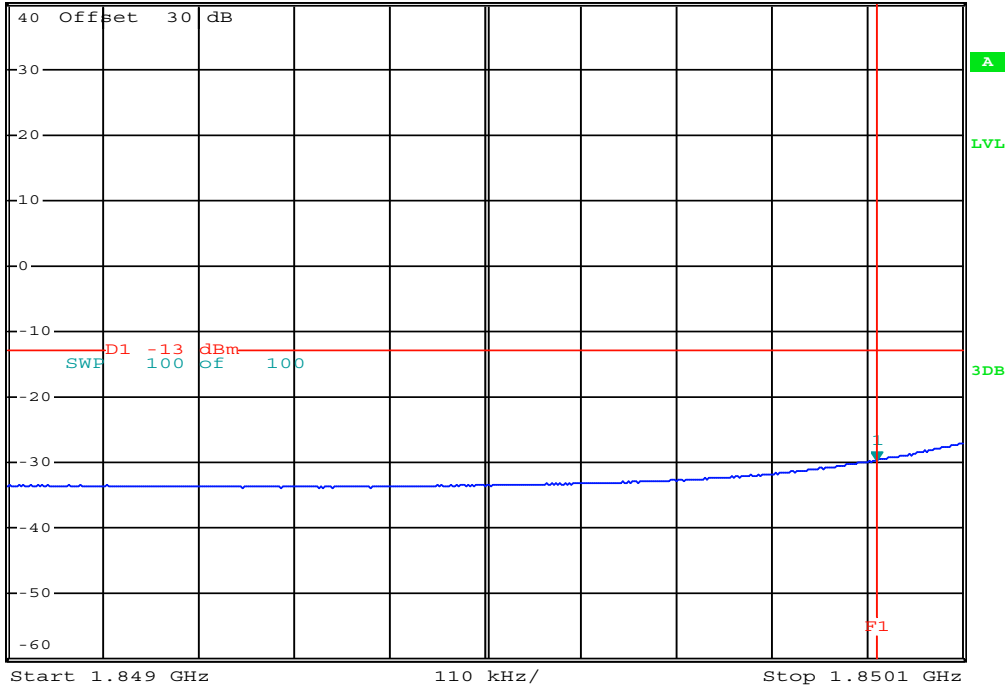
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

1.85000000 GHz

1 RM\*  
VIEW



Date: 22.APR.2021 14:48:54

|  |                                      |   |
|--|--------------------------------------|---|
| Channel Frequency (MHz): <b>1857.5</b> | Channel Bandwidth (MHz): <b>15.0</b> | Band Edge Emission (dBm): <b>-29.57</b> |
| EARFCN: <b>18675</b>                   | Resource Blocks (RB): <b>75</b>      |   |
| RB Offset: <b>0</b>                    | Modulation: <b>QPSK</b>              |   |

## Lower Band Edge (LBE) Emissions LTE Band 2



\*RBW 300 kHz    Marker 1 [T1 ]  
 VBW 3 MHz                    -31.22 dBm  
 \*Att 10 dB                    1.850000000 GHz

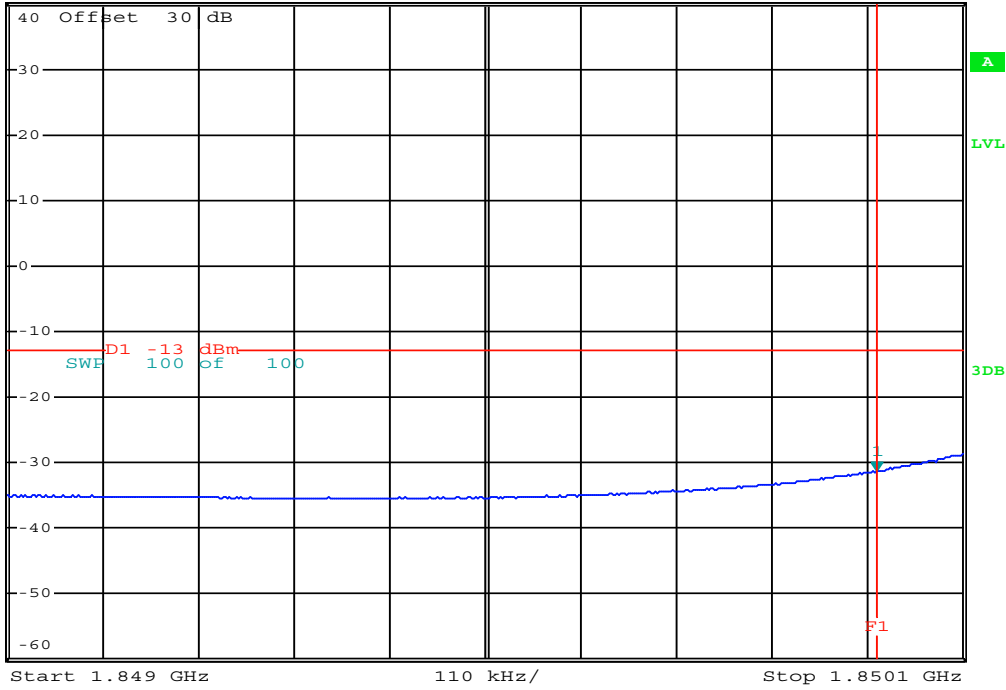
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

1.850000000 GHz

1 RM\*  
VIEW



Date: 22.APR.2021 14:47:41

|  |                                      |   |
|--|--------------------------------------|---|
| Channel Frequency (MHz): <b>1857.5</b> | Channel Bandwidth (MHz): <b>15.0</b> | Band Edge Emission (dBm): <b>-31.22</b> |
| EARFCN: <b>18675</b>                   | Resource Blocks (RB): <b>75</b>      |   |
| RB Offset: <b>0</b>                    | Modulation: <b>16QAM</b>             |   |





## Lower Band Edge (LBE) Emissions LTE Band 2

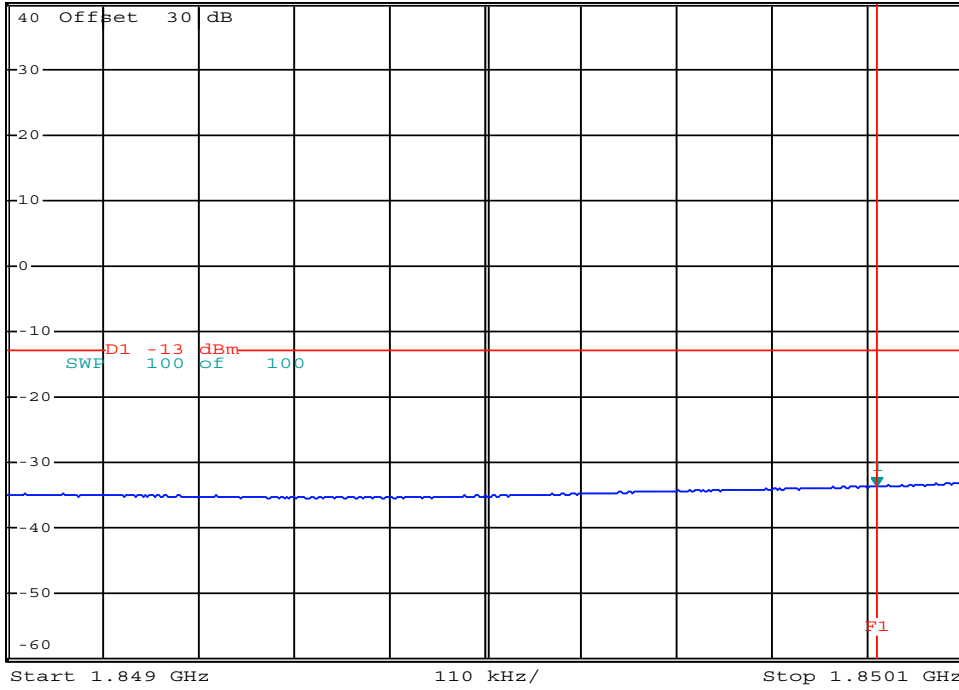


\*RBW 300 kHz    Marker 1 [T1 ]  
 VBW 3 MHz                    -33.60 dBm  
 \*Att 10 dB                    1.85000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 22.APR.2021 14:55:47

|  |                                      |  |
|--|--------------------------------------|--|
| Channel Frequency (MHz): <b>1860.0</b> | Channel Bandwidth (MHz): <b>20.0</b> | Band Edge Emission (dBm): <b>-33.6</b> |
| EARFCN: <b>18700</b>                   | Resource Blocks (RB): <b>100</b>     |  |
| RB Offset: <b>0</b>                    | Modulation: <b>16QAM</b>             |  |



### Upper Band Edge Measurement Results

| Channel Frequency (MHz) | Nominal Channel BW (MHz) | EARFCN | Resource Blocks | RB Offset | Modulation | Band Edge Emission (dBm) | Limit (dBm) | Margin (dB)     |
|-------------------------|--------------------------|--------|-----------------|-----------|------------|--------------------------|-------------|-----------------|
| 1909.3                  | 1.4                      | 19193  | 1               | 6         | QPSK       | -23.50                   | -13.00      | 10.5            |
| 1909.3                  | 1.4                      | 19193  | 1               | 6         | 16QAM      | -27.37                   |             | 14.4            |
| 1909.3                  | 1.4                      | 19193  | 1               | 6         | 64QAM      | -29.13                   |             | 16.1            |
| 1909.3                  | 1.4                      | 19193  | 6               | 0         | QPSK       | -29.41                   |             | 16.4            |
| 1909.3                  | 1.4                      | 19193  | 6               | 0         | 16QAM      | -30.27                   |             | 17.3            |
| 1909.3                  | 1.4                      | 19193  | 6               |           | 64QAM      | -32.27                   |             | 19.3            |
| 1908.5                  | 3                        | 19185  | 15              | 0         | QPSK       | -32.30                   |             | 19.3            |
| 1908.5                  | 3                        | 19185  | 15              | 0         | 16QAM      | -32.29                   |             | 19.3            |
| 1908.5                  | 3                        | 19185  | 15              | 0         | 64QAM      | -34.34                   |             | 21.3            |
| 1907.5                  | 5                        | 19175  | 25              | 0         | QPSK       | -29.15                   |             | 16.2            |
| 1907.5                  | 5                        | 19175  | 25              | 0         | 16QAM      | -29.69                   |             | 16.7            |
| 1907.5                  | 5                        | 19175  | 25              | 0         | 64QAM      | -29.15                   |             | 16.2            |
| 1905                    | 10                       | 19150  | 50              | 0         | QPSK       | -36.65                   |             | 23.7            |
| 1905                    | 10                       | 19150  | 50              | 0         | 16QAM      | -37.32                   |             | 24.3            |
| 1905                    | 10                       | 19150  | 50              | 0         | 64QAM      | -36.25                   |             | 23.3            |
| 1902.5                  | 15                       | 19125  | 75              | 0         | QPSK       | -30.17                   |             | 17.2            |
| 1902.5                  | 15                       | 19125  | 75              | 0         | 16QAM      | -31.67                   |             | 18.7            |
| 1902.5                  | 15                       | 19125  | 75              | 0         | 64QAM      | -32.49                   |             | 19.5            |
| 1900                    | 20                       | 19100  | 100             | 0         | QPSK       | -30.37                   |             | 17.4            |
| 1900                    | 20                       | 19100  | 100             | 0         | 16QAM      | -32.76                   |             | 19.8            |
| 1900                    | 20                       | 19100  | 100             | 0         | 64QAM      | -35.04                   | 22.0        |                 |
|                         |                          |        |                 |           |            |                          |             | <b>Complies</b> |

Margin = Limit - Band Edge Emission

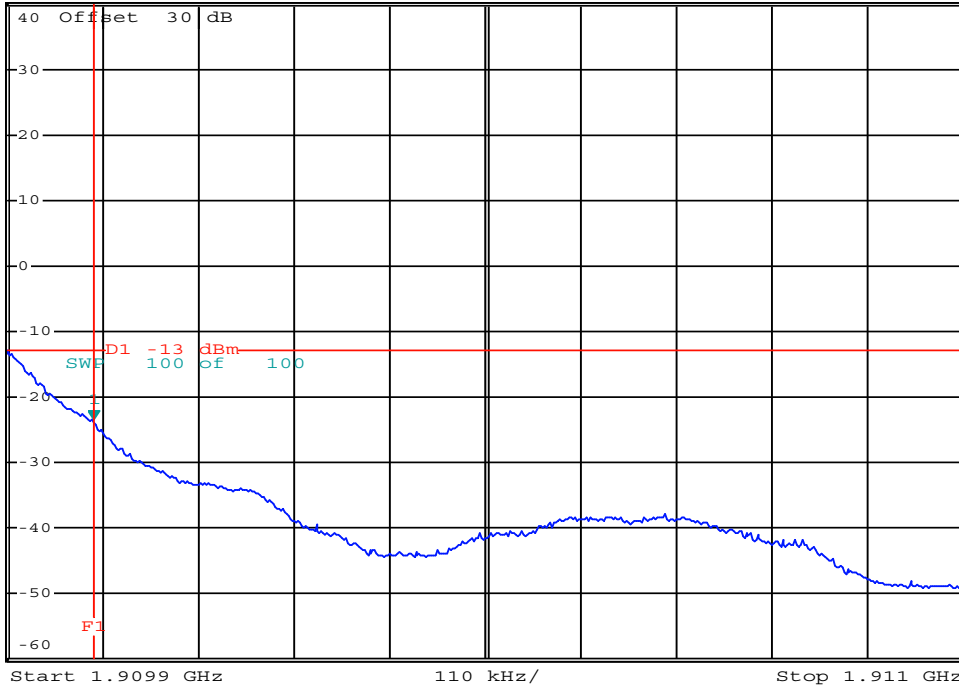
# Upper Band Edge (UBE) Emissions LTE Band 2



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -23.50 dBm  
 \*Att 10 dB    \*SWT 50 ms    1.910000000 GHz

Ref 40 dBm    Offset 30 dB

1 RM\*  
 VIEW



Date: 26.APR.2021 14:36:57

|  |                                     |  |
|--|-------------------------------------|--|
| Channel Frequency (MHz): <b>1909.3</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-23.5</b> |
| EARFCN: <b>19193</b>                   | Resource Blocks (RB): <b>1</b>      |  |
| RB Offset: <b>6</b>                    | Modulation: <b>QPSK</b>             |  |



# Upper Band Edge (UBE) Emissions LTE Band 2

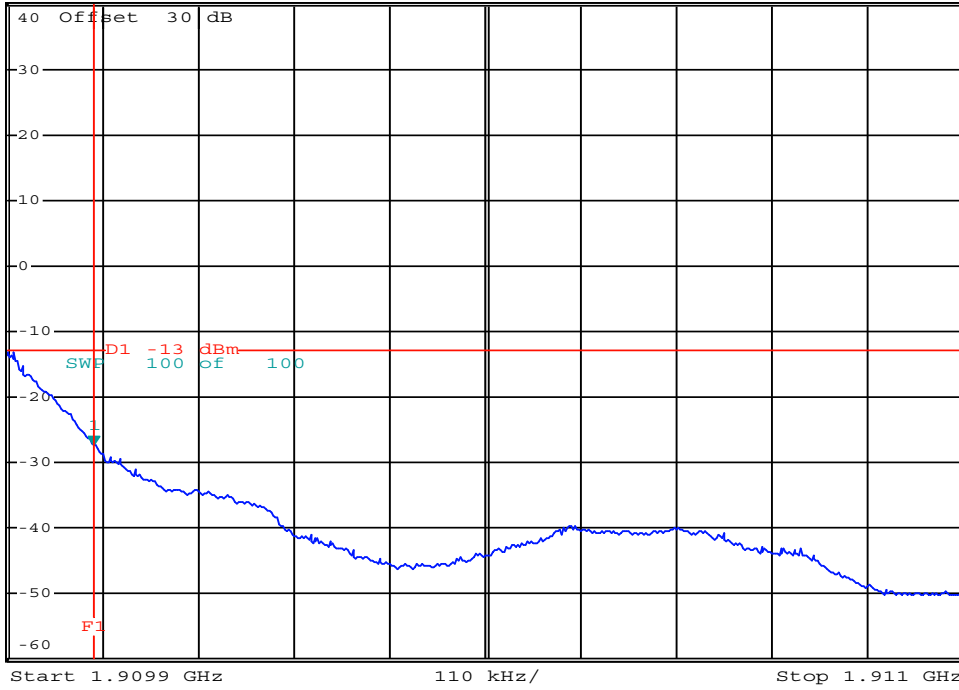


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -27.37 dBm  
 \*Att 10 dB    1.910000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 26.APR.2021 14:37:55

Channel Frequency (MHz): **1909.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **19193**

Resource Blocks (RB): **1**

Band Edge Emission (dBm): **-27.37**

RB Offset: **6**

Modulation: **16QAM**

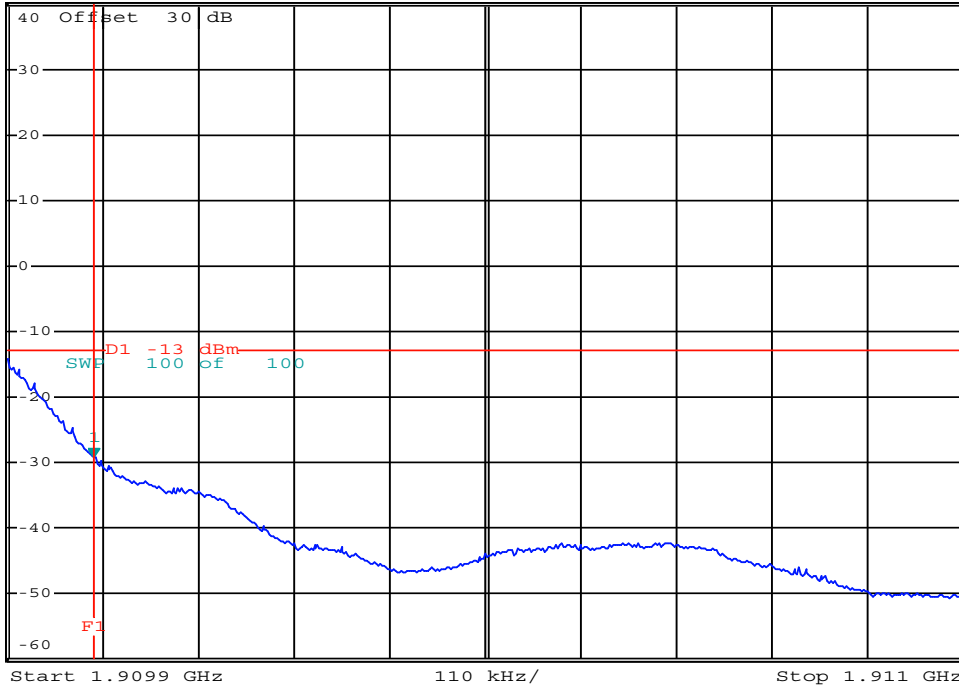
# Upper Band Edge (UBE) Emissions LTE Band 2



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -29.13 dBm  
 \*Att 10 dB    \*SWT 50 ms    1.91000000 GHz

Ref 40 dBm

1 RM\*  
VIEW



Date: 26.APR.2021 14:38:49

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1909.3</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-29.13</b> |
| EARFCN: <b>19193</b>                   | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>6</b>                    | Modulation: <b>64QAM</b>            |   |

# Upper Band Edge (UBE) Emissions LTE Band 2

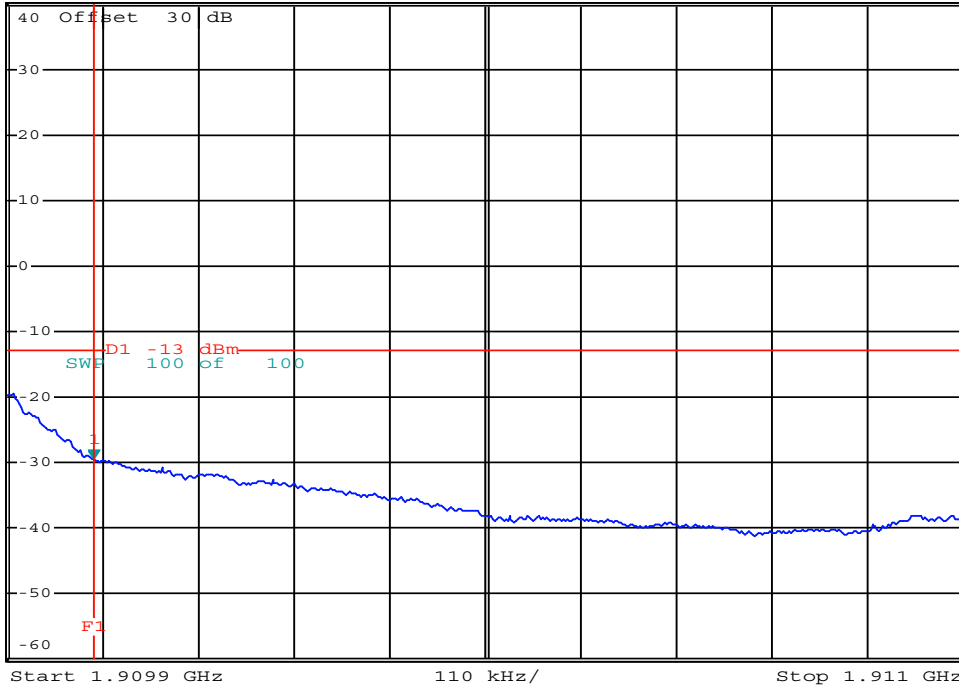


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -29.41 dBm  
 \*Att 10 dB    1.91000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 26.APR.2021 14:43:16

Channel Frequency (MHz): **1909.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **19193**

Resource Blocks (RB): **6**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-29.41**

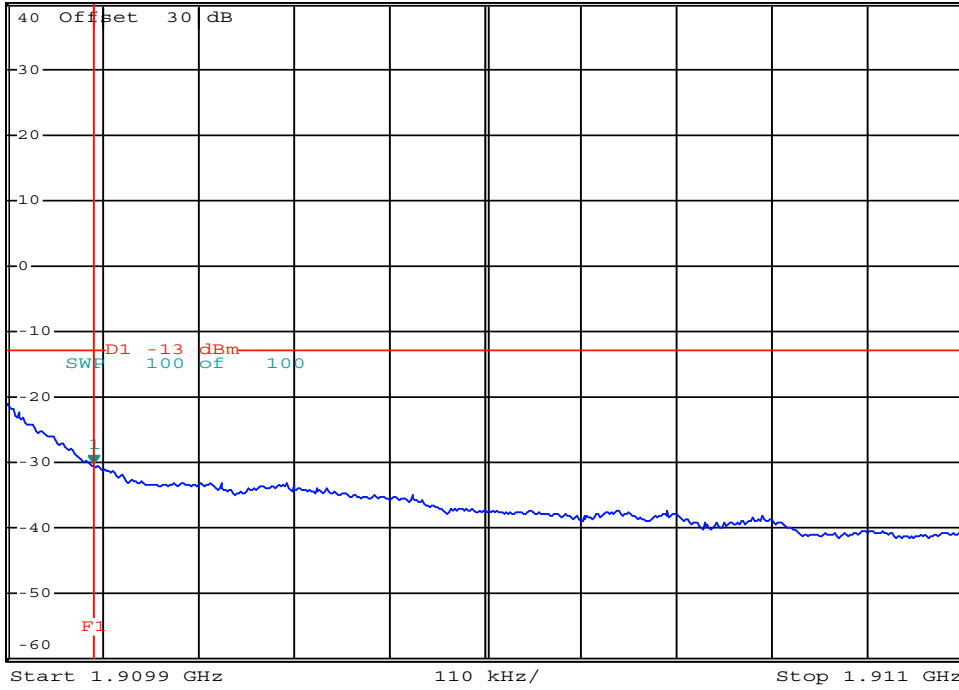
# Upper Band Edge (UBE) Emissions LTE Band 2



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -30.27 dBm  
 \*Att 10 dB    \*SWT 50 ms    1.91000000 GHz

Ref 40 dBm

1 RM\*  
 VIEW



Date: 26.APR.2021 14:42:22

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1909.3</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-30.27</b> |
| EARFCN: <b>19193</b>                   | Resource Blocks (RB): <b>6</b>      |   |
| RB Offset: <b>0</b>                    | Modulation: <b>16QAM</b>            |   |

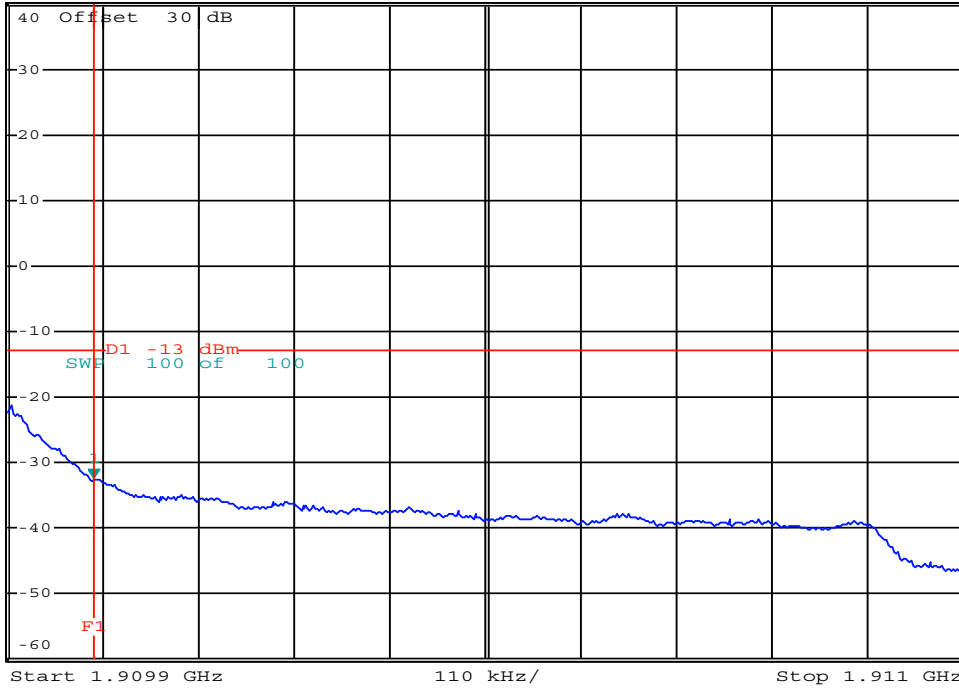
# Upper Band Edge (UBE) Emissions LTE Band 2



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -32.27 dBm  
 \*Att 10 dB    1.91000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

1 RM\*  
 VIEW



Date: 26.APR.2021 14:41:27

Channel Frequency (MHz): **1909.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **19193**

Resource Blocks (RB): **6**

RB Offset:

Modulation: **64QAM**

Band Edge Emission (dBm): **-32.27**

# Upper Band Edge (UBE) Emissions LTE Band 2



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -32.30 dBm  
 \*Att 10 dB    1.91000000 GHz

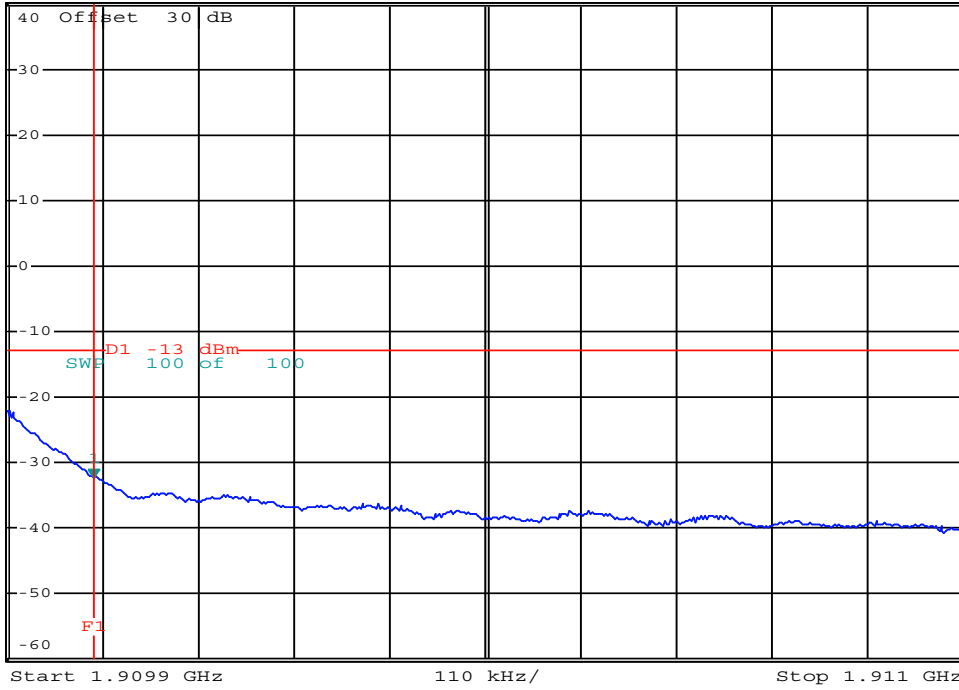
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

1.91000000 GHz

1 RM\*  
VIEW



Date: 26.APR.2021 14:47:46

|  |                                     |  |
|--|-------------------------------------|--|
| Channel Frequency (MHz): <b>1908.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-32.3</b> |
| EARFCN: <b>19185</b>                   | Resource Blocks (RB): <b>15</b>     |  |
| RB Offset: <b>0</b>                    | Modulation: <b>QPSK</b>             |  |

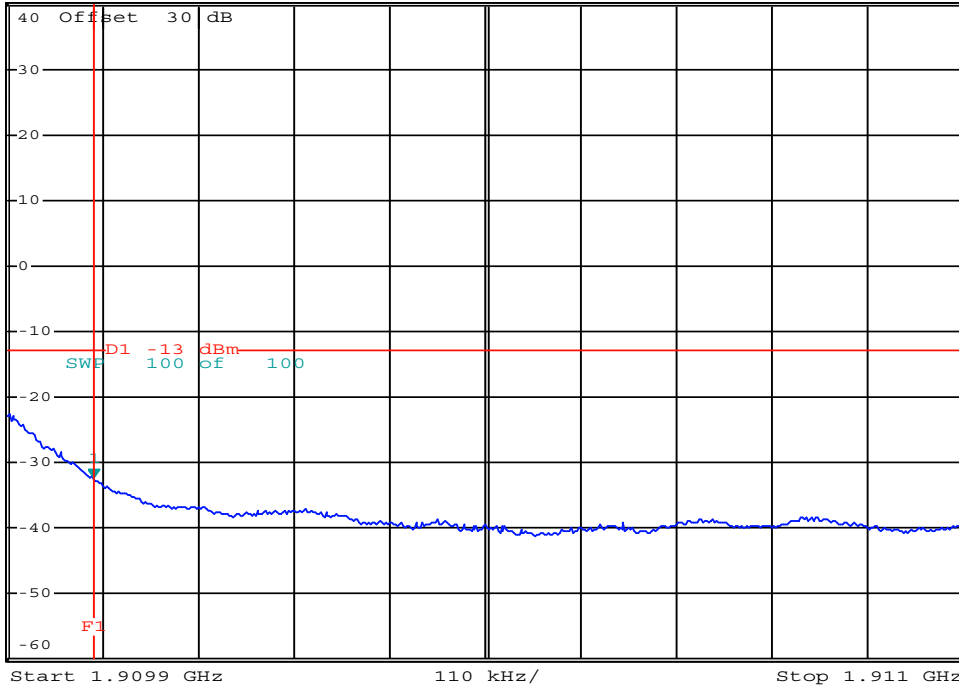
# Upper Band Edge (UBE) Emissions LTE Band 2



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -32.29 dBm  
 \*Att 10 dB    \*SWT 50 ms    1.91000000 GHz

Ref 40 dBm

1 RM\*  
 VIEW



Date: 26.APR.2021 14:48:41

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1908.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-32.29</b> |
| EARFCN: <b>19185</b>                   | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                    | Modulation: <b>16QAM</b>            |   |

# Upper Band Edge (UBE) Emissions LTE Band 2



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -34.34 dBm  
 \*Att 10 dB    1.91000000 GHz

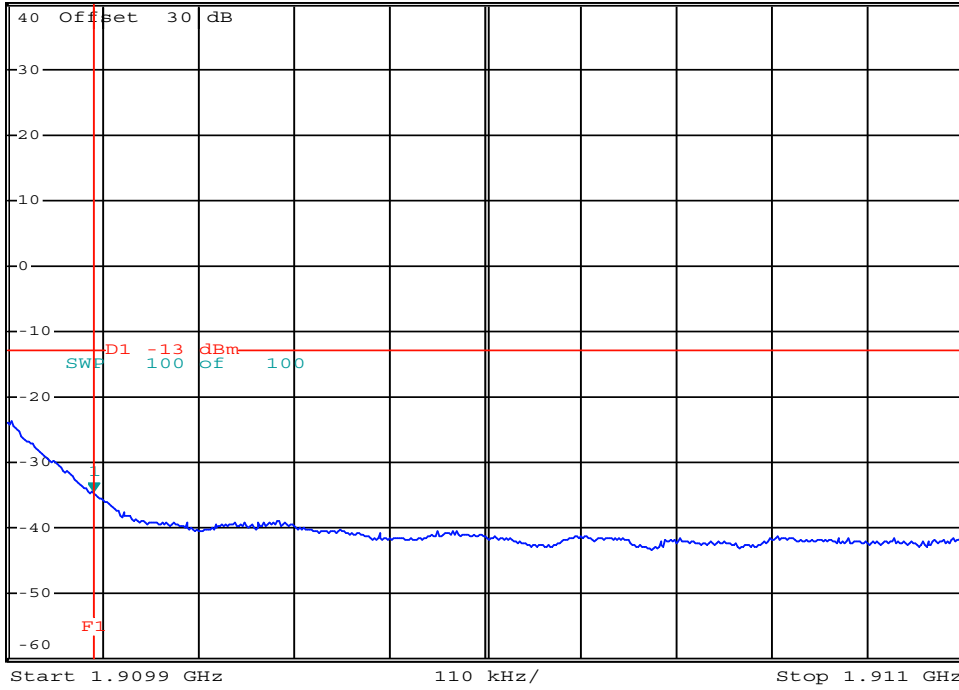
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

1.91000000 GHz

1 RM\*  
 VIEW



Date: 26.APR.2021 14:49:37

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1908.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-34.34</b> |
| EARFCN: <b>19185</b>                   | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                    | Modulation: <b>64QAM</b>            |   |



# Upper Band Edge (UBE) Emissions LTE Band 2



\*RBW 100 kHz    Marker 1 [T1 ]  
 VBW 1 MHz                    -29.15 dBm  
 \*Att 10 dB                    1.910000000 GHz

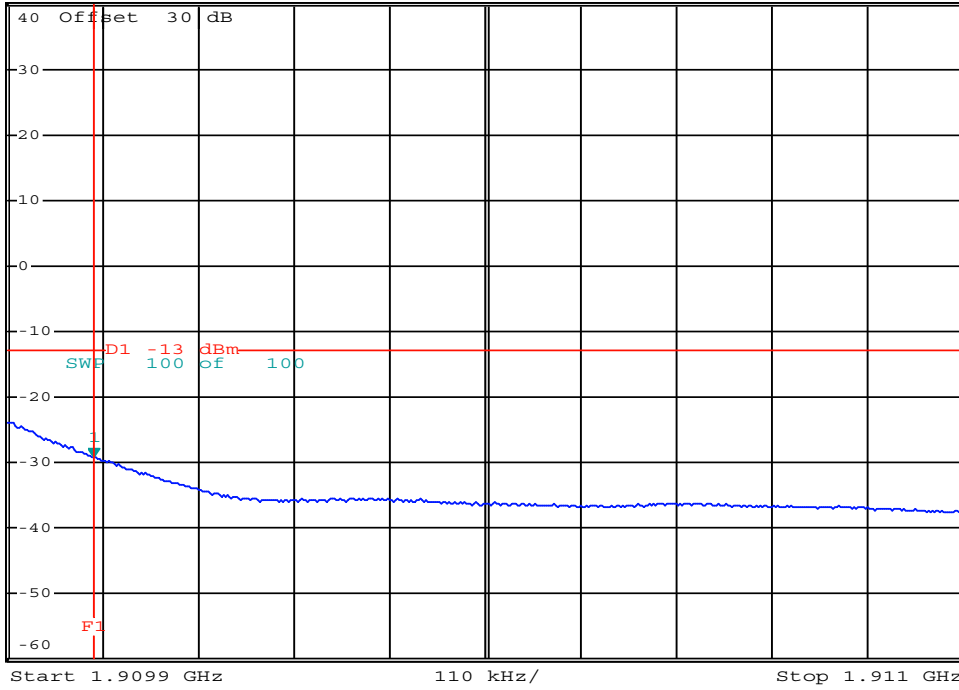
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

1.910000000 GHz

1 RM\*  
VIEW



Date: 24.APR.2021 10:20:10

|  |                                     |   |
|--|-------------------------------------|---|
| Channel Frequency (MHz): <b>1907.5</b> | Channel Bandwidth (MHz): <b>5.0</b> | Band Edge Emission (dBm): <b>-29.15</b> |
| EARFCN: <b>19175</b>                   | Resource Blocks (RB): <b>25</b>     |   |
| RB Offset: <b>0</b>                    | Modulation: <b>QPSK</b>             |   |









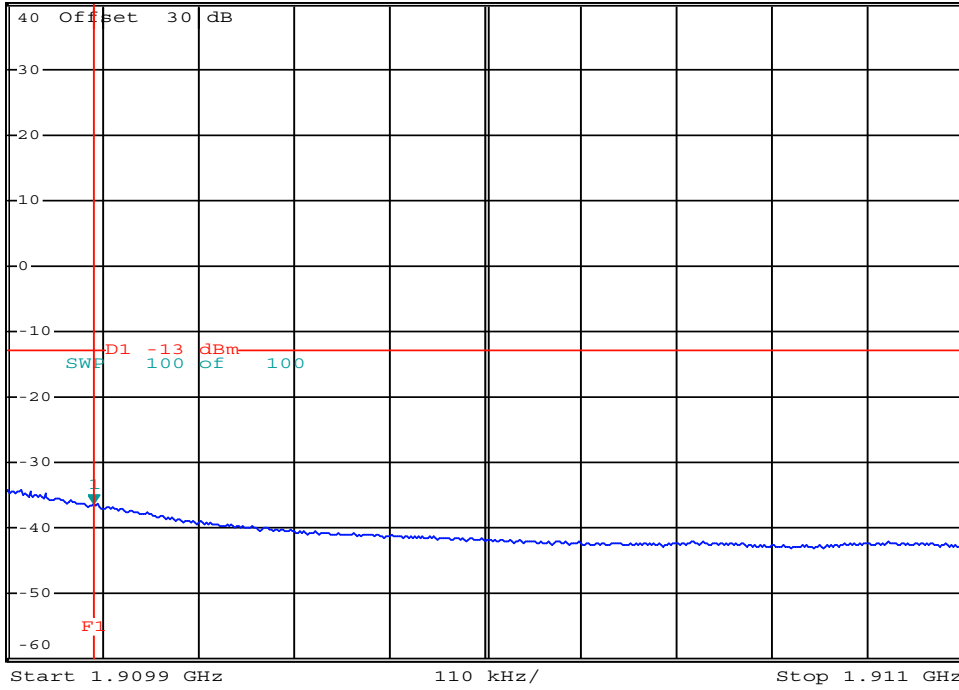
# Upper Band Edge (UBE) Emissions LTE Band 2



\*RBW 100 kHz    Marker 1 [T1 ]  
 VBW 1 MHz                    -36.25 dBm  
 \*Att 10 dB                    1.91000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

1 RM\*  
 VIEW



Date: 24.APR.2021 10:23:04

|  |                                      |   |
|--|--------------------------------------|---|
| Channel Frequency (MHz): <b>1905.0</b> | Channel Bandwidth (MHz): <b>10.0</b> | Band Edge Emission (dBm): <b>-36.25</b> |
| EARFCN: <b>19150</b>                   | Resource Blocks (RB): <b>50</b>      |   |
| RB Offset: <b>0</b>                    | Modulation: <b>64QAM</b>             |   |











# Upper Band Edge (UBE) Emissions LTE Band 2



\*RBW 300 kHz    Marker 1 [T1 ]  
 VBW 3 MHz                    -32.76 dBm  
 \*Att 10 dB                    1.91000000 GHz

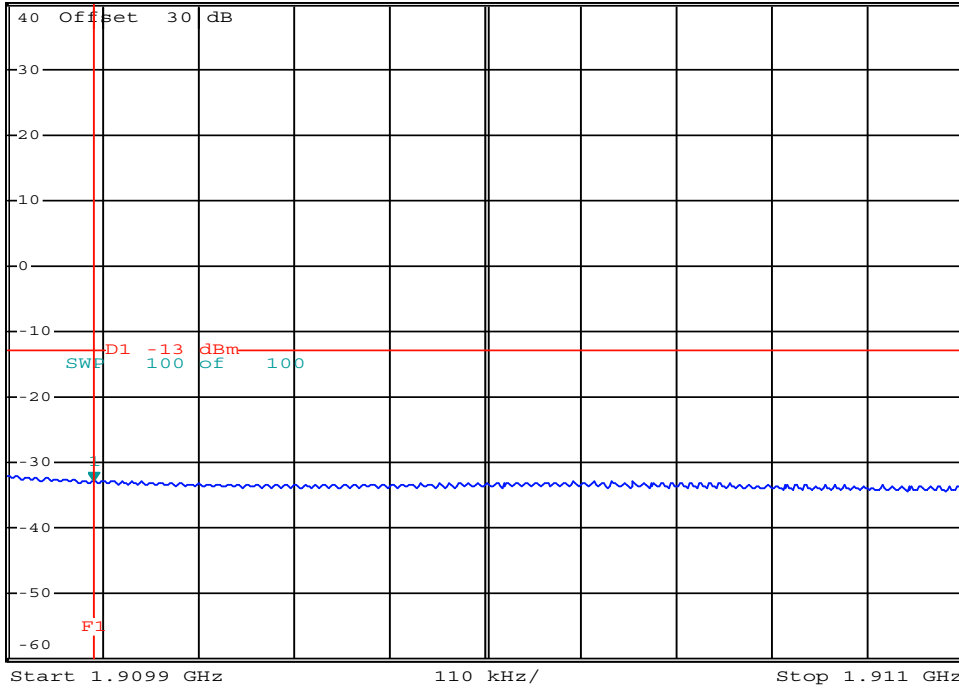
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

1.91000000 GHz

1 RM  
 VIEW



Date: 24.APR.2021 10:28:59

|  |                                      |   |
|--|--------------------------------------|---|
| Channel Frequency (MHz): <b>1900.0</b> | Channel Bandwidth (MHz): <b>20.0</b> | Band Edge Emission (dBm): <b>-32.76</b> |
| EARFCN: <b>19100</b>                   | Resource Blocks (RB): <b>100</b>     |   |
| RB Offset: <b>0</b>                    | Modulation: <b>16QAM</b>             |   |

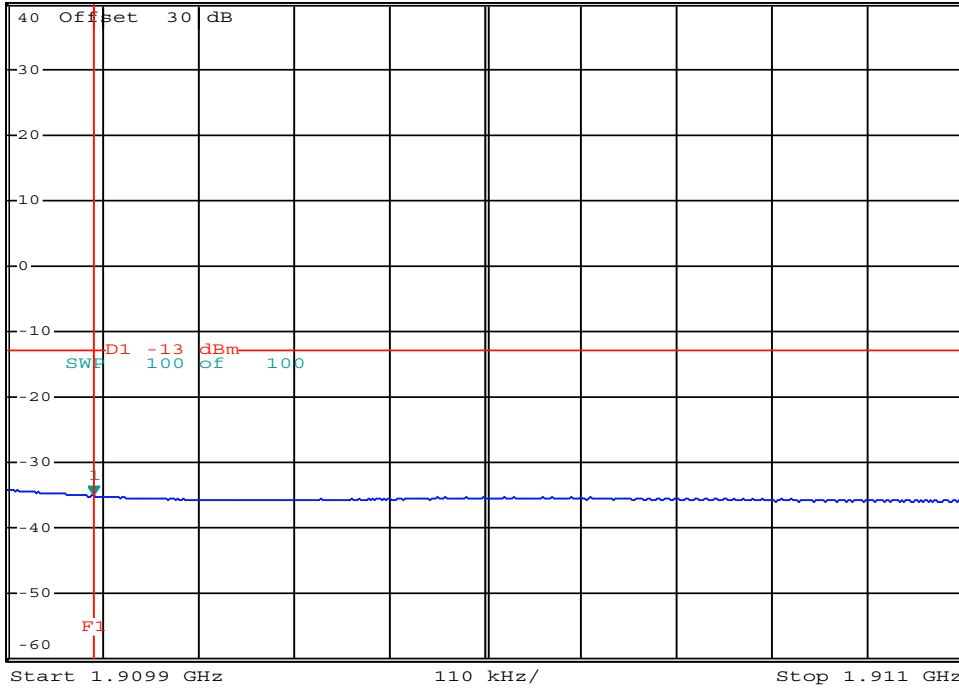
# Upper Band Edge (UBE) Emissions LTE Band 2



\*RBW 300 kHz    Marker 1 [T1 ]  
 VBW 3 MHz                    -35.04 dBm  
 \*Att 10 dB                    1.910000000 GHz  
 \*SWT 50 ms

Ref 40 dBm

1 RM\*  
 VIEW



Date: 24.APR.2021 10:34:05

Channel Frequency (MHz): **1900.0**

Channel Bandwidth (MHz): **20.0**

EARFCN: **19100**

Resource Blocks (RB): **100**

RB Offset: **0**

Modulation: **64QAM**

Band Edge Emission (dBm): **-35.04**

### Lower Band Edge Measurement Results

| Channel Frequency (MHz) | Nominal Channel BW (MHz) | EARFCN | Resource Blocks | RB Offset | Modulation | Band Edge Emission (dBm) | Limit (dBm) | Margin (dB) |
|-------------------------|--------------------------|--------|-----------------|-----------|------------|--------------------------|-------------|-------------|
| 824.7                   | 1.4                      | 20407  | 1               | 0         | QPSK       | -25.11                   | -13.00      | 12.1        |
| 824.7                   | 1.4                      | 20407  | 1               | 0         | 16QAM      | -25.88                   |             | 12.9        |
| 824.7                   | 1.4                      | 20407  | 1               | 0         | 64QAM      | -27.67                   |             | 14.7        |
| 824.7                   | 1.4                      | 20407  | 6               | 0         | QPSK       | -29.48                   |             | 16.5        |
| 824.7                   | 1.4                      | 20407  | 6               | 0         | 16QAM      | -30.21                   |             | 17.2        |
| 824.7                   | 1.4                      | 20407  | 6               | 0         | 64QAM      | -32.71                   |             | 19.7        |
| 825.5                   | 3                        | 20415  | 15              | 0         | QPSK       | -30.17                   |             | 17.2        |
| 825.5                   | 3                        | 20415  | 15              | 0         | 16QAM      | -30.97                   |             | 18.0        |
| 825.5                   | 3                        | 20415  | 15              | 0         | 64QAM      | -32.05                   |             | 19.1        |
| 826.5                   | 5                        | 20425  | 25              | 0         | QPSK       | -27.21                   |             | 14.2        |
| 826.5                   | 5                        | 20425  | 25              | 0         | 16QAM      | -28.56                   |             | 15.6        |
| 826.5                   | 5                        | 20425  | 25              | 0         | 64QAM      | -29.97                   |             | 17.0        |
| 829                     | 10                       | 20450  | 50              | 0         | QPSK       | -31.68                   |             | 18.7        |
| 829                     | 10                       | 20450  | 50              | 0         | 16QAM      | -33.10                   |             | 20.1        |
| 829                     | 10                       | 20450  | 50              | 0         | 64QAM      | -33.43                   |             | 20.4        |
| <b>Complies</b>         |                          |        |                 |           |            |                          |             |             |

Margin = Limit - Band Edge Emission

# Lower Band Edge (LBE) Emissions LTE Band 5

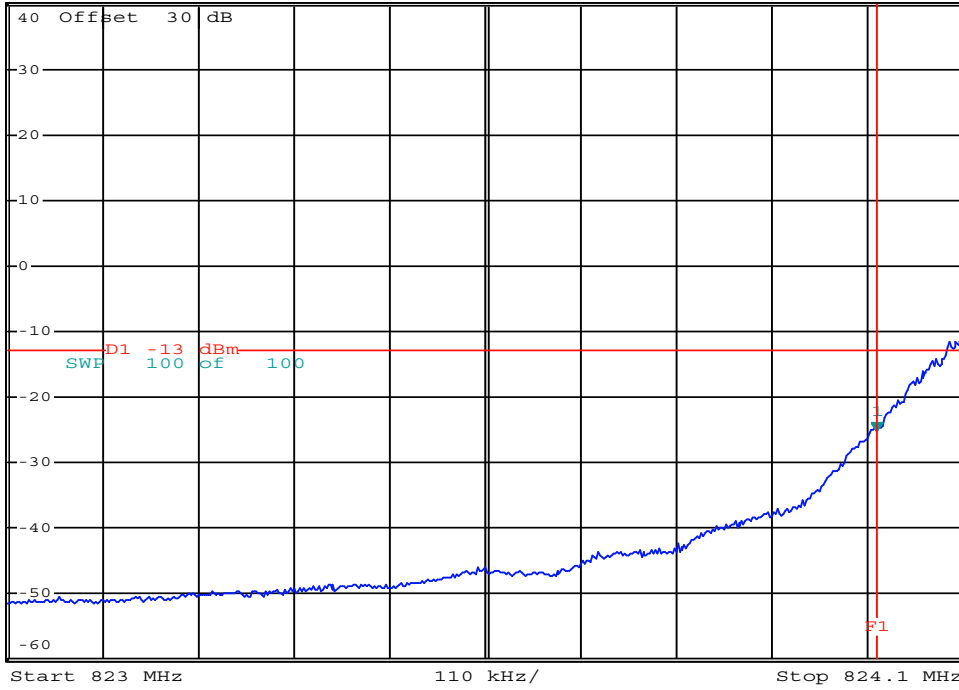


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -25.11 dBm  
 \*Att 10 dB    824.000000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 22.APR.2021 15:41:55

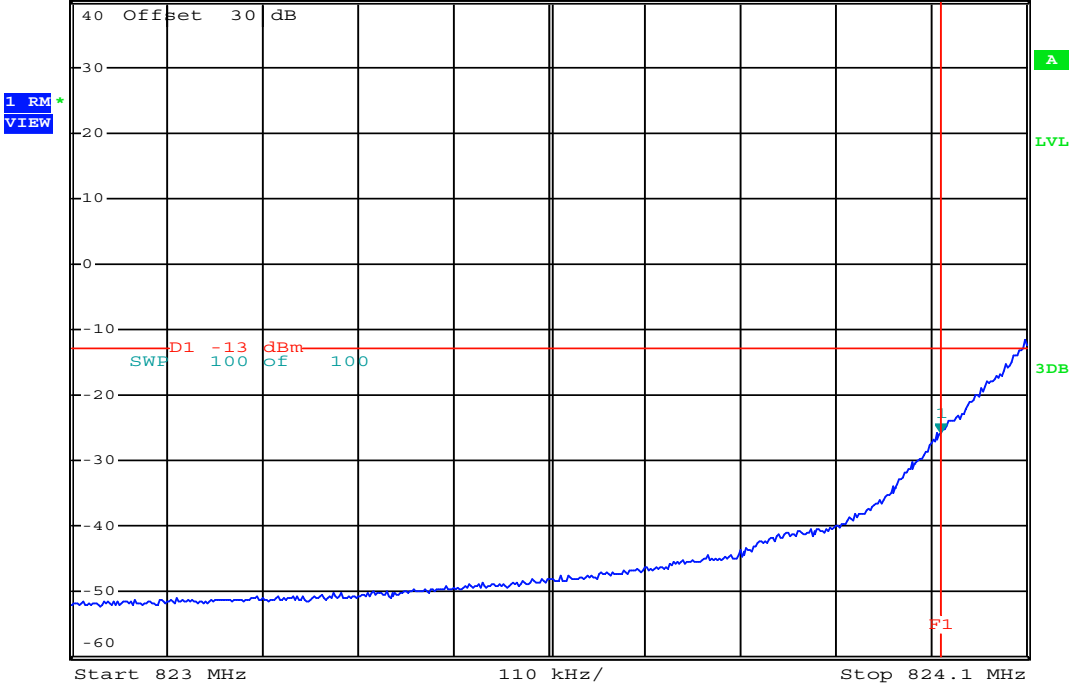
|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>824.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-25.11</b> |
| EARFCN: <b>20407</b>                  | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>QPSK</b>             |   |

# Lower Band Edge (LBE) Emissions LTE Band 5



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -25.88 dBm  
 \*SWT 50 ms    824.000000000 MHz

Ref 40 dBm    \*Att 10 dB



Date: 22.APR.2021 15:40:59

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>824.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-25.88</b> |
| EARFCN: <b>20407</b>                  | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>16QAM</b>            |   |

# Lower Band Edge (LBE) Emissions LTE Band 5

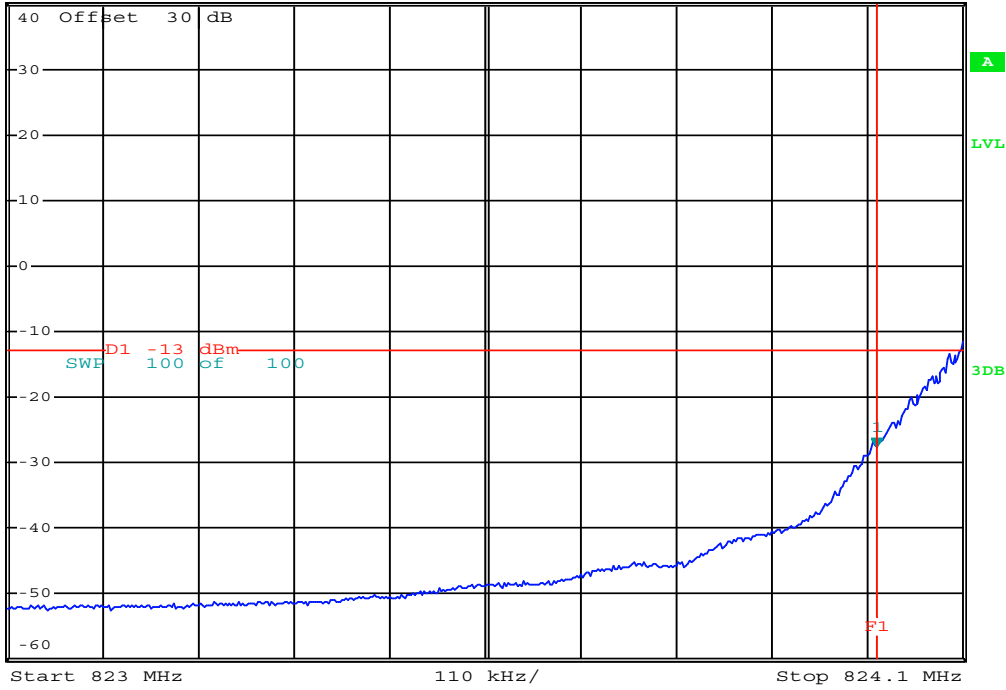


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -27.67 dBm  
 \*Att 10 dB    824.000000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 22.APR.2021 15:39:59

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>824.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-27.67</b> |
| EARFCN: <b>20407</b>                  | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>            |   |



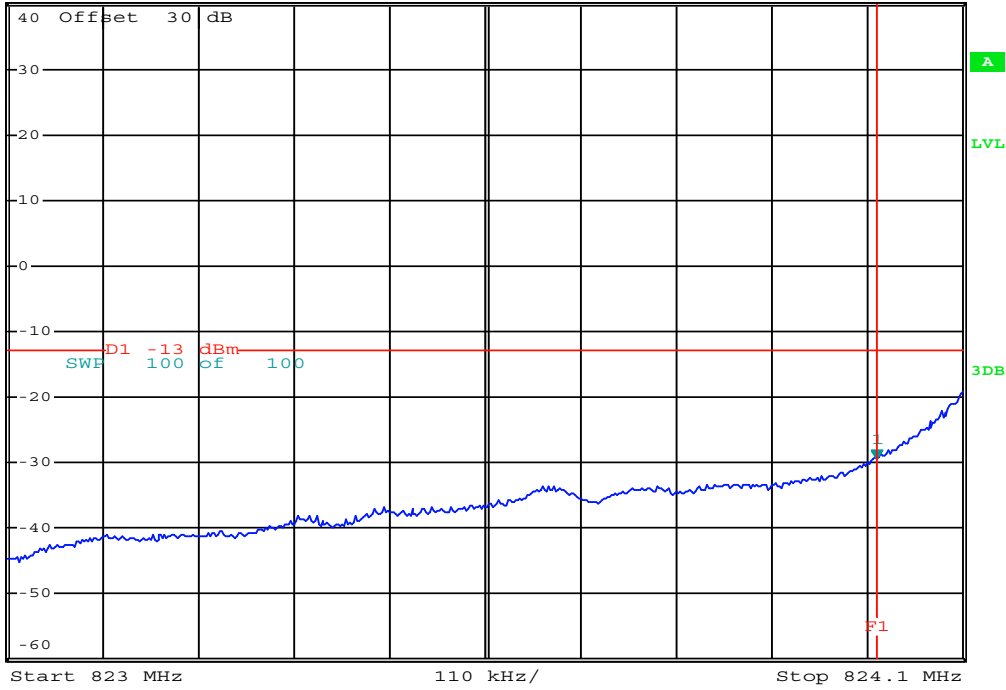
# Lower Band Edge (LBE) Emissions LTE Band 5



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -29.48 dBm  
 \*SWT 50 ms    824.00000000 MHz

Ref 40 dBm    \*Att 10 dB

1 RM\*  
 VIEW



Date: 22.APR.2021 15:42:58

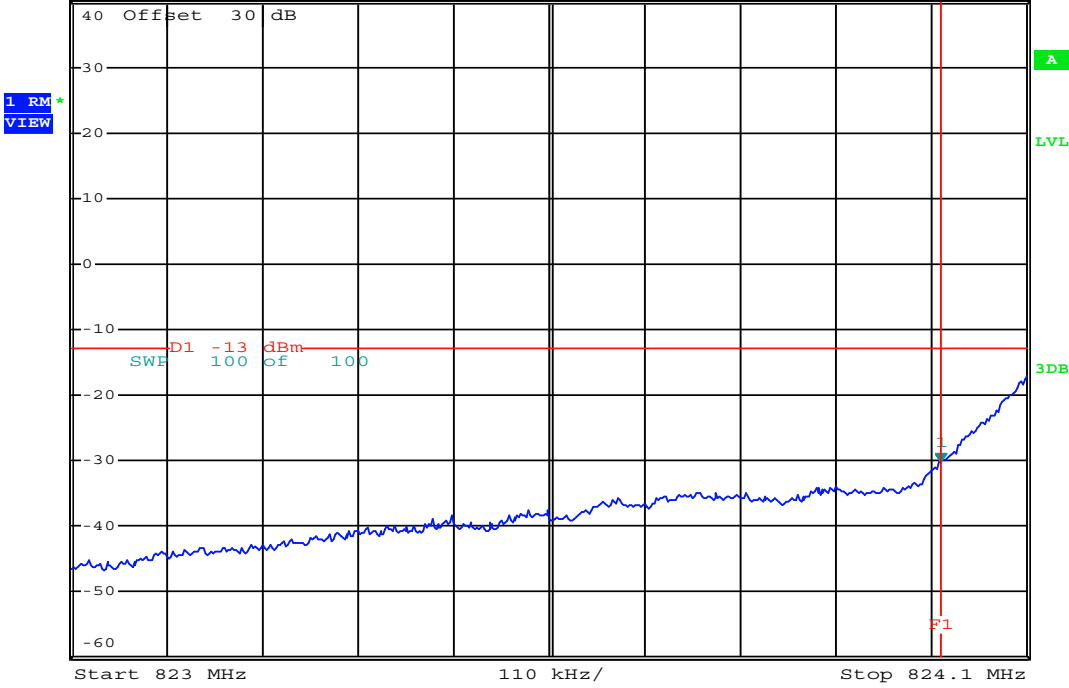
|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>824.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-29.48</b> |
| EARFCN: <b>20407</b>                  | Resource Blocks (RB): <b>6</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>QPSK</b>             |   |

# Lower Band Edge (LBE) Emissions LTE Band 5



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -30.21 dBm  
 \*Att 10 dB    824.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm



Date: 22.APR.2021 15:44:02

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>824.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-30.21</b> |
| EARFCN: <b>20407</b>                  | Resource Blocks (RB): <b>6</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>16QAM</b>            |   |

# Lower Band Edge (LBE) Emissions LTE Band 5

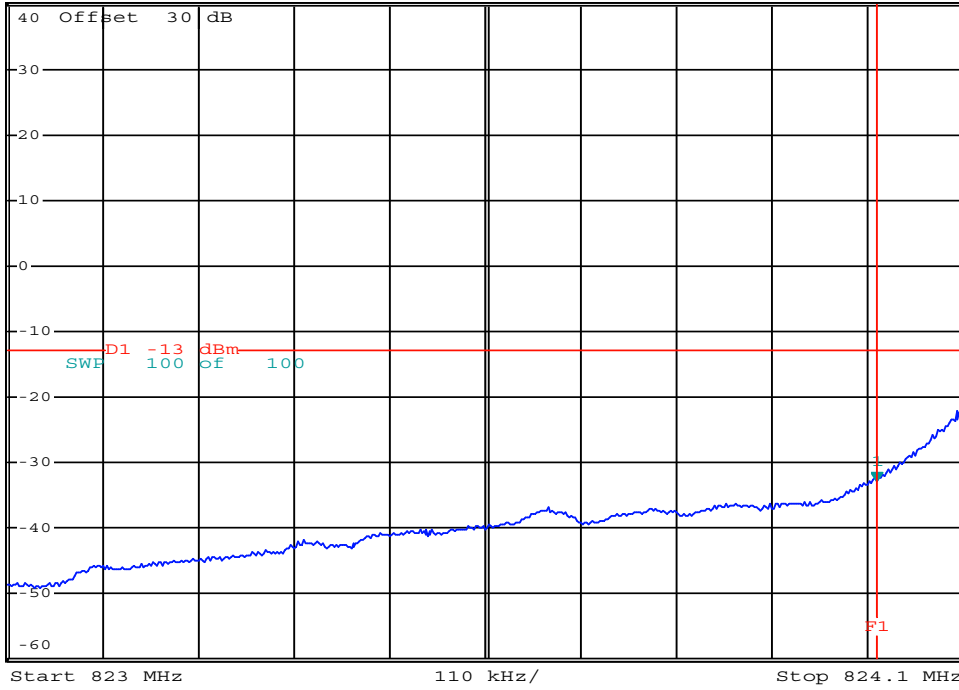


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -32.71 dBm  
 \*SWT 50 ms    824.00000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 22.APR.2021 15:44:58

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>824.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-32.71</b> |
| EARFCN: <b>20407</b>                  | Resource Blocks (RB): <b>6</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>            |   |

# Lower Band Edge (LBE) Emissions LTE Band 5

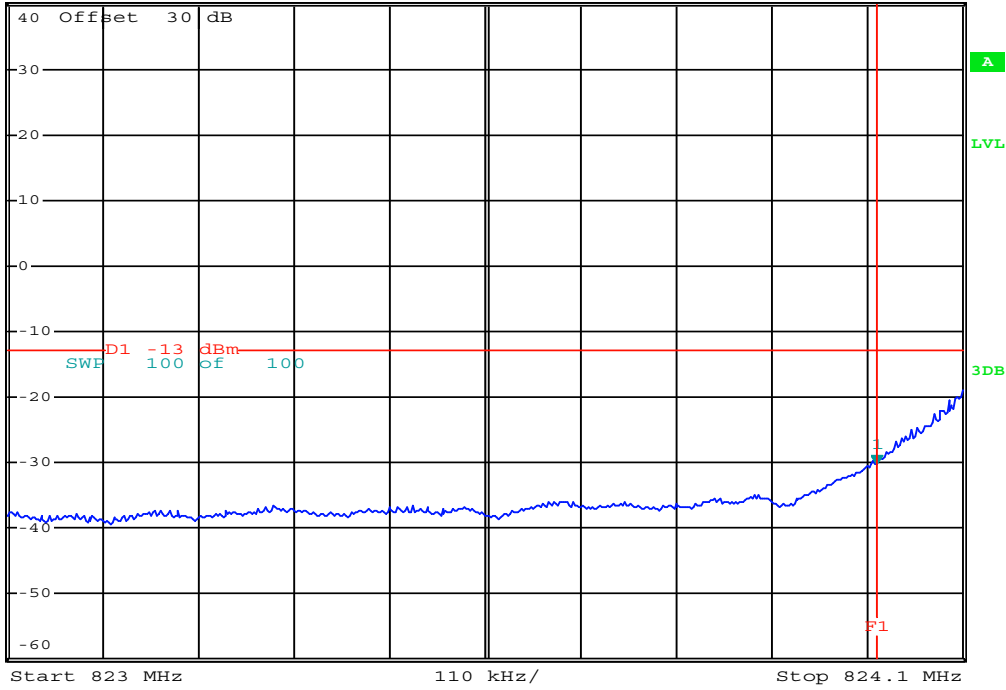


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -30.17 dBm  
 \*Att 10 dB    824.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 22.APR.2021 15:56:09

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>825.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-30.17</b> |
| EARFCN: <b>20415</b>                  | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>QPSK</b>             |   |

# Lower Band Edge (LBE) Emissions LTE Band 5



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -30.97 dBm  
 \*Att 10 dB    824.00000000 MHz

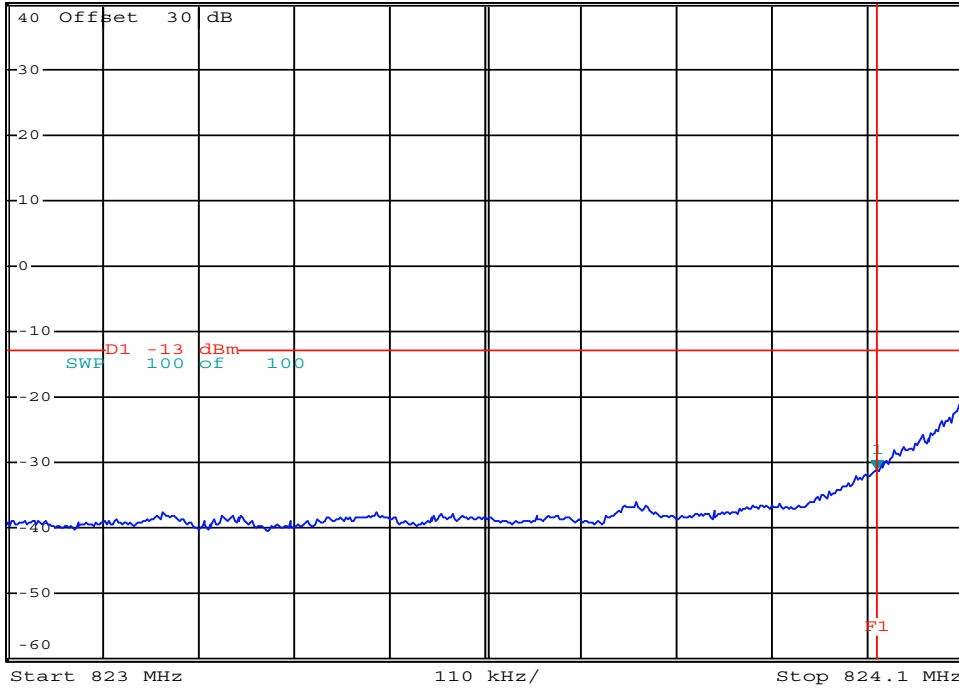
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

824.00000000 MHz

1 RM\*  
VIEW



Date: 22.APR.2021 15:55:06

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>825.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-30.97</b> |
| EARFCN: <b>20415</b>                  | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>16QAM</b>            |   |

# Lower Band Edge (LBE) Emissions LTE Band 5



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -32.05 dBm  
 \*Att 10 dB    824.00000000 MHz

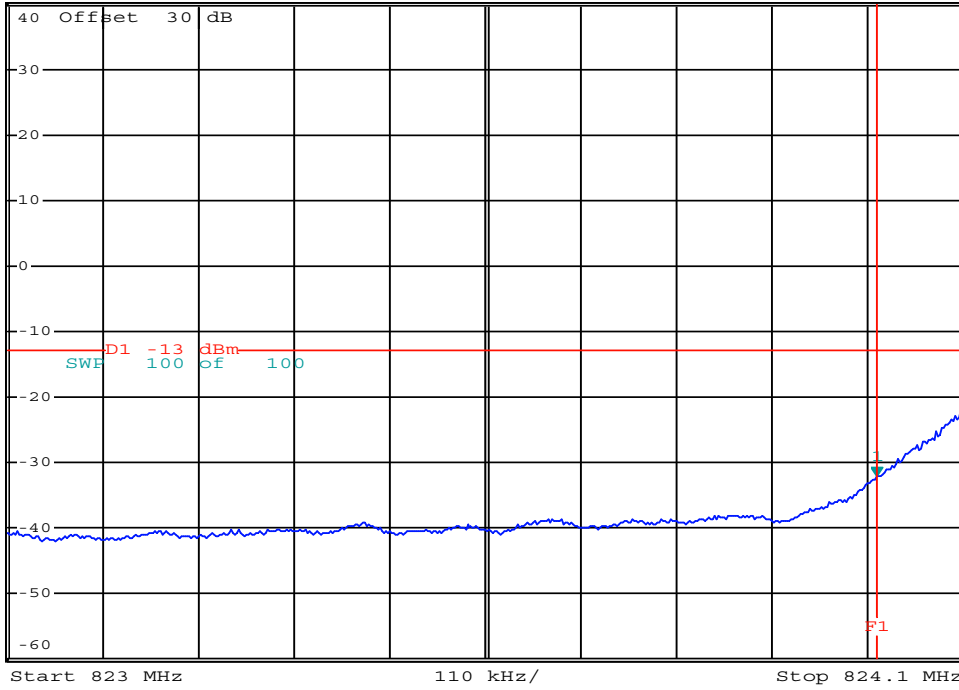
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

824.00000000 MHz

1 RM\*  
VIEW



Date: 22.APR.2021 15:53:49

|                          |              |                          |              |                           |               |
|--------------------------|--------------|--------------------------|--------------|---------------------------|---------------|
| Channel Frequency (MHz): | <b>825.5</b> | Channel Bandwidth (MHz): | <b>3.0</b>   | Band Edge Emission (dBm): | <b>-32.05</b> |
| EARFCN:                  | <b>20415</b> | Resource Blocks (RB):    | <b>15</b>    |                           |               |
| RB Offset:               | <b>0</b>     | Modulation:              | <b>64QAM</b> |                           |               |







# Lower Band Edge (LBE) Emissions LTE Band 5

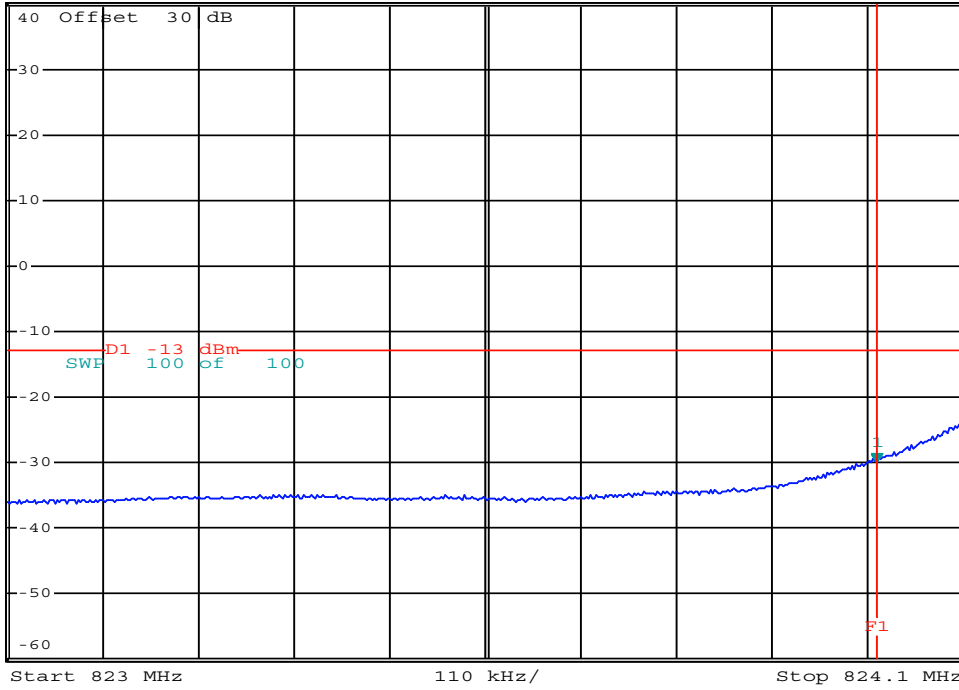


\*RBW 100 kHz    Marker 1 [T1 ]  
 VBW 1 MHz                    -29.97 dBm  
 \*SWT 50 ms                    824.00000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 22.APR.2021 16:01:07

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>826.5</b> | Channel Bandwidth (MHz): <b>5.0</b> | Band Edge Emission (dBm): <b>-29.97</b> |
| EARFCN: <b>20425</b>                  | Resource Blocks (RB): <b>25</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>            |   |



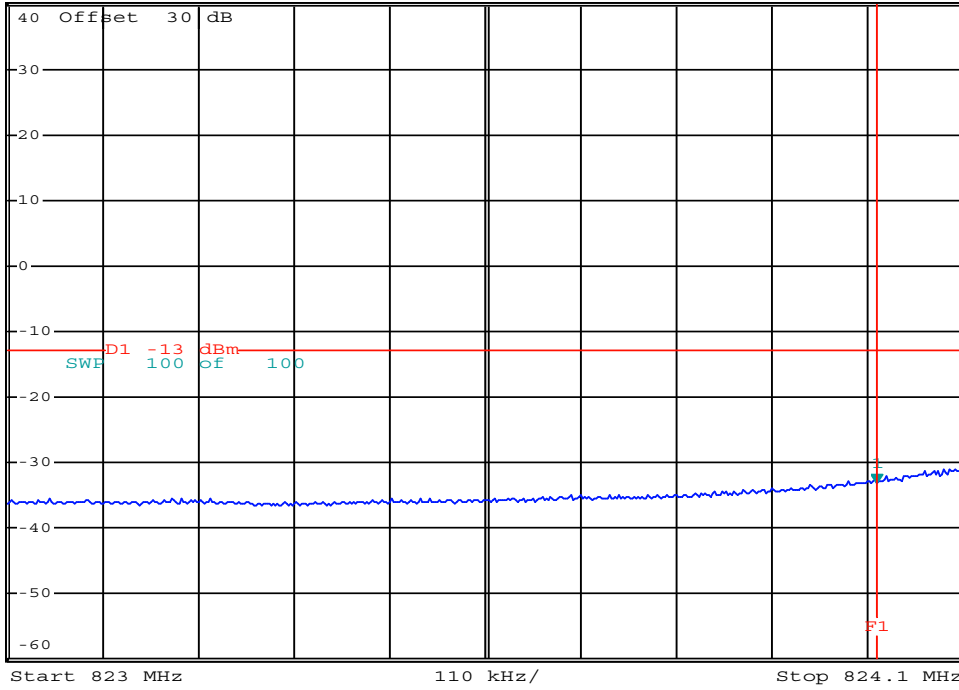
# Lower Band Edge (LBE) Emissions LTE Band 5



\*RBW 100 kHz    Marker 1 [T1 ]  
 VBW 1 MHz                    -33.10 dBm  
 \*SWT 50 ms                    824.000000000 MHz

Ref 40 dBm                    \*Att 10 dB

1 RM\*  
 VIEW



Date: 22.APR.2021 16:05:56

|                                       |                                      |  |
|---------------------------------------|--------------------------------------|--|
| Channel Frequency (MHz): <b>829.0</b> | Channel Bandwidth (MHz): <b>10.0</b> | Band Edge Emission (dBm): <b>-33.1</b> |
| EARFCN: <b>20450</b>                  | Resource Blocks (RB): <b>50</b>      |  |
| RB Offset: <b>0</b>                   | Modulation: <b>16QAM</b>             |  |

# Lower Band Edge (LBE) Emissions LTE Band 5



\*RBW 100 kHz    Marker 1 [T1 ]  
 VBW 1 MHz                    -33.43 dBm  
 \*Att 10 dB                    824.00000000 MHz

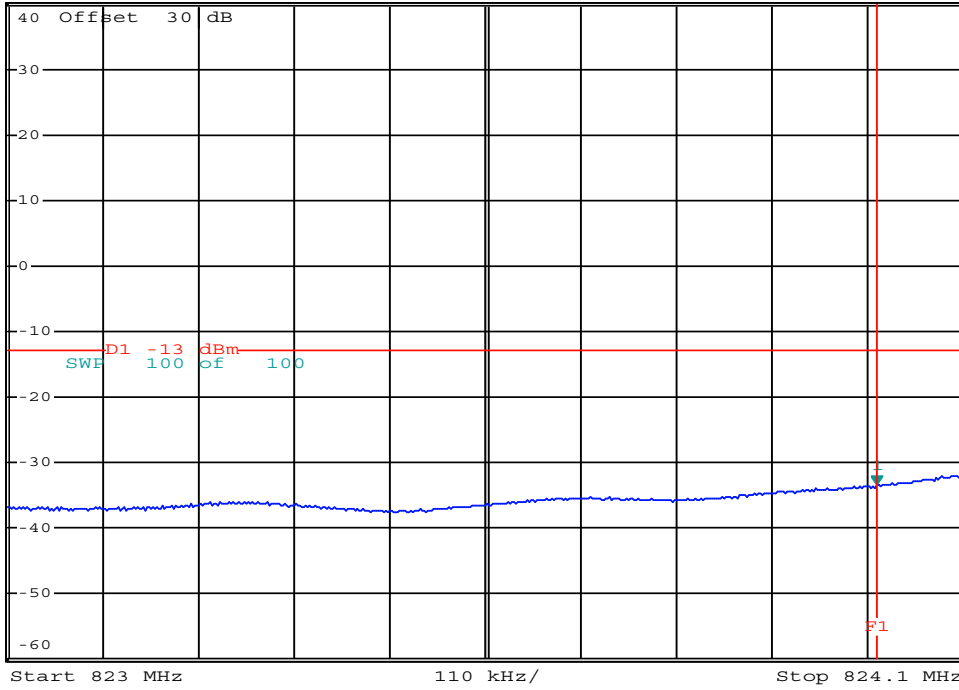
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

824.00000000 MHz

1 RM\*  
VIEW



Date: 22.APR.2021 16:04:54

|                                       |                                      |   |
|---------------------------------------|--------------------------------------|---|
| Channel Frequency (MHz): <b>829.0</b> | Channel Bandwidth (MHz): <b>10.0</b> | Band Edge Emission (dBm): <b>-33.43</b> |
| EARFCN: <b>20450</b>                  | Resource Blocks (RB): <b>50</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>             |   |

### Upper Band Edge Measurement Results

| Channel Frequency (MHz) | Nominal Channel BW (MHz) | EARFCN | Resource Blocks | RB Offset | Modulation | Band Edge Emission (dBm) | Limit (dBm) | Margin (dB) |
|-------------------------|--------------------------|--------|-----------------|-----------|------------|--------------------------|-------------|-------------|
| 848.3                   | 1.4                      | 20643  | 1               | 6         | QPSK       | -26.59                   | -13.00      | 13.6        |
| 848.3                   | 1.4                      | 20643  | 1               | 6         | 16QAM      | -26.73                   |             | 13.7        |
| 848.3                   | 1.4                      | 20643  | 1               | 6         | 64QAM      | -26.88                   |             | 13.9        |
| 848.3                   | 1.4                      | 20643  | 6               | 0         | QPSK       | -32.16                   |             | 19.2        |
| 848.3                   | 1.4                      | 20643  | 6               | 0         | 16QAM      | -34.59                   |             | 21.6        |
| 848.3                   | 1.4                      | 20643  | 6               | 0         | 64QAM      | -36.45                   |             | 23.5        |
| 847.5                   | 3                        | 20635  | 15              | 0         | QPSK       | -32.32                   |             | 19.3        |
| 847.5                   | 3                        | 20635  | 15              | 0         | 16QAM      | -33.80                   |             | 20.8        |
| 847.5                   | 3                        | 20635  | 15              | 0         | 64QAM      | -34.62                   |             | 21.6        |
| 846.5                   | 5                        | 20625  | 25              | 0         | QPSK       | -29.15                   |             | 16.2        |
| 846.5                   | 5                        | 20625  | 25              | 0         | 16QAM      | -29.85                   |             | 16.9        |
| 846.5                   | 5                        | 20625  | 25              | 0         | 64QAM      | -30.89                   |             | 17.9        |
| 844                     | 10                       | 20600  | 50              | 0         | QPSK       | -33.91                   |             | 20.9        |
| 844                     | 10                       | 20600  | 50              | 0         | 16QAM      | -35.21                   |             | 22.2        |
| 844                     | 10                       | 20600  | 50              | 0         | 64QAM      | -35.38                   |             | 22.4        |
| <b>Complies</b>         |                          |        |                 |           |            |                          |             |             |

Margin = Limit - Band Edge Emission

# Upper Band Edge (UBE) Emissions LTE Band 5

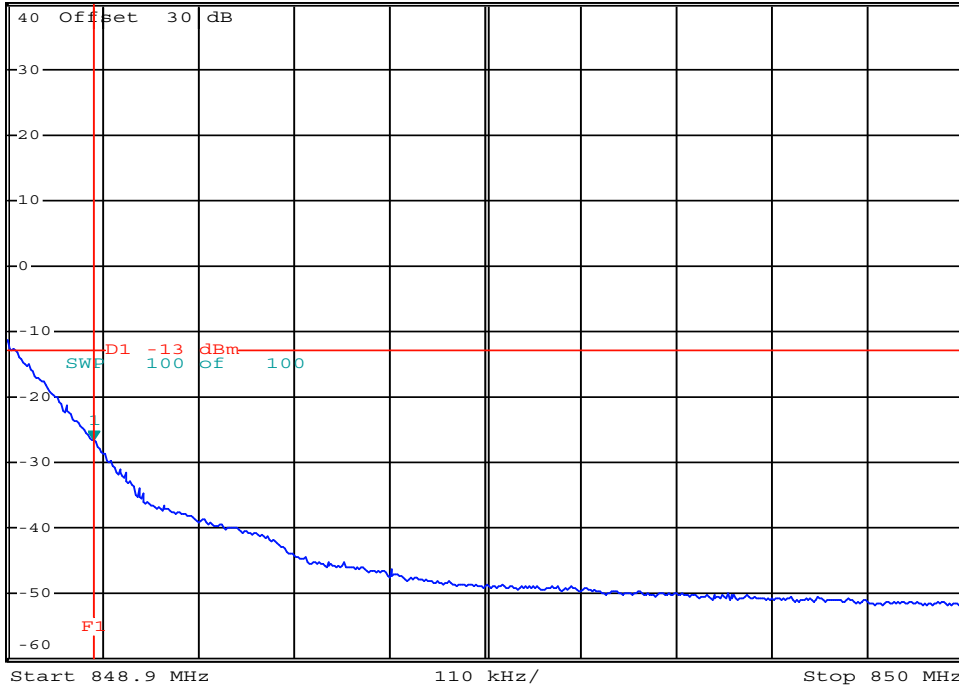


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -26.59 dBm  
 \*SWT 50 ms    849.000000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 24.APR.2021 10:47:46

Channel Frequency (MHz): **848.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **20643**

Resource Blocks (RB): **1**

RB Offset: **6**

Modulation: **QPSK**

Band Edge Emission (dBm): **-26.59**

# Upper Band Edge (UBE) Emissions LTE Band 5

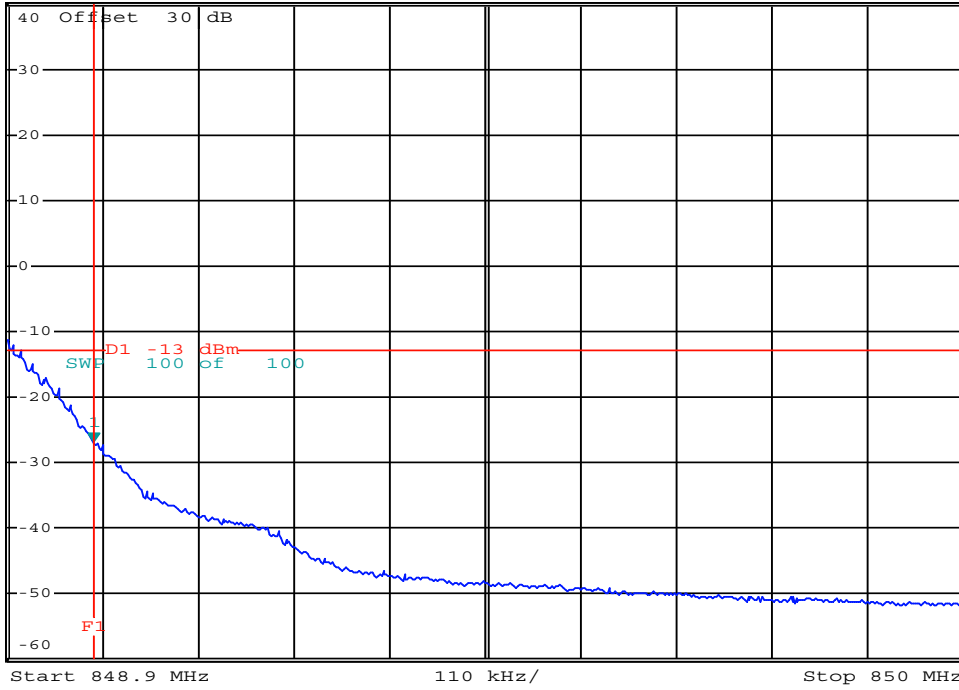


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -26.73 dBm  
 \*Att 10 dB    849.000000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 24.APR.2021 10:48:47

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>848.3</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-26.73</b> |
| EARFCN: <b>20643</b>                  | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>6</b>                   | Modulation: <b>16QAM</b>            |   |

# Upper Band Edge (UBE) Emissions LTE Band 5

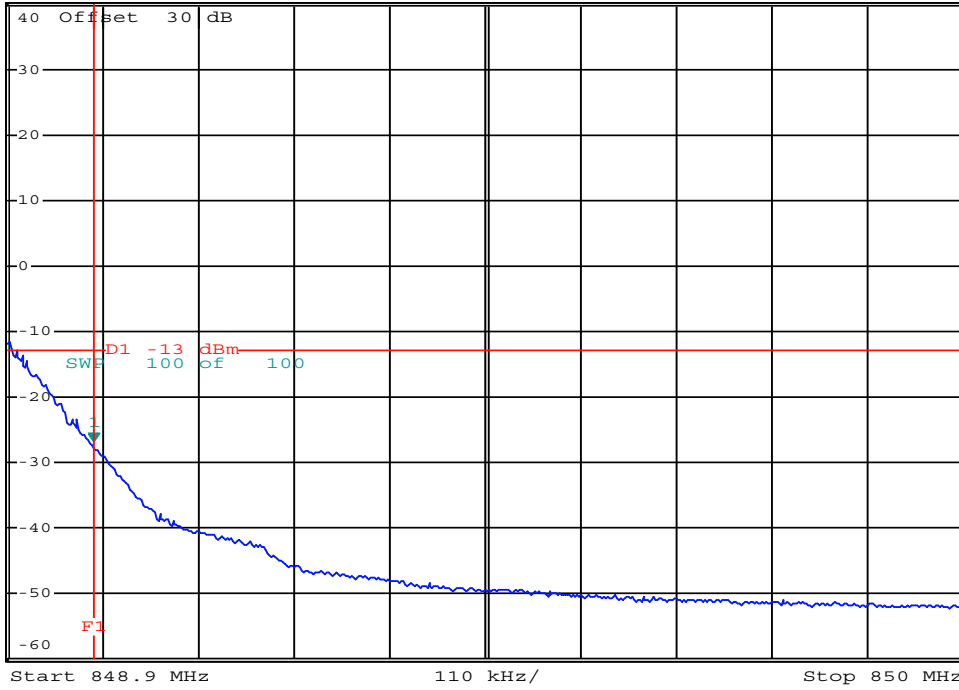


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -26.88 dBm  
 \*SWT 50 ms    849.00000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 24.APR.2021 10:49:40

Channel Frequency (MHz): **848.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **20643**

Resource Blocks (RB): **1**

RB Offset: **6**

Modulation: **64QAM**

Band Edge Emission (dBm): **-26.88**



# Upper Band Edge (UBE) Emissions LTE Band 5



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -32.16 dBm  
 \*Att 10 dB    849.000000000 MHz

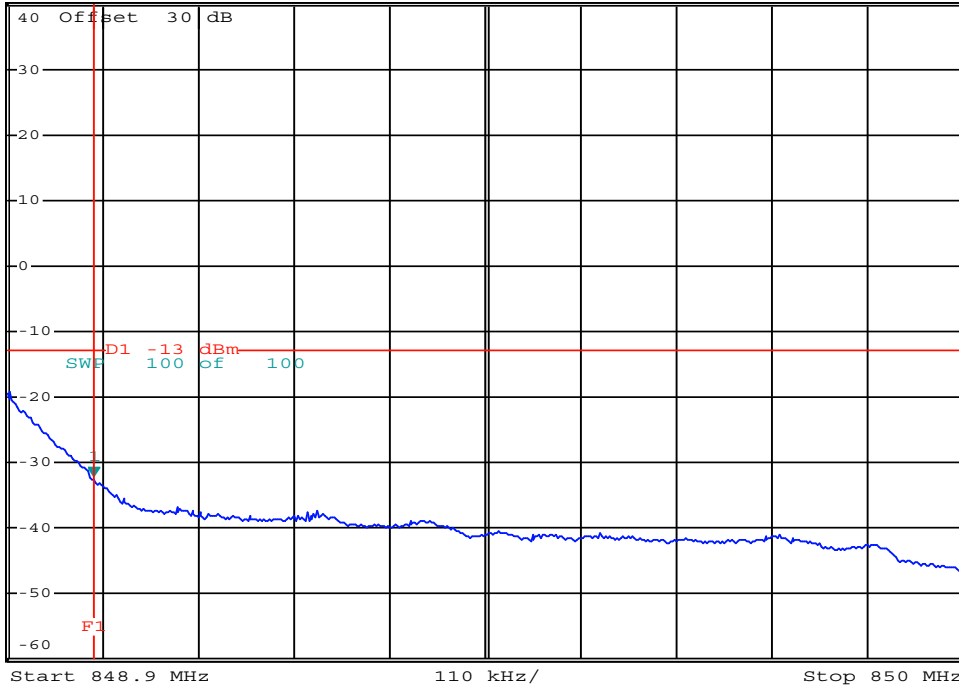
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

849.000000000 MHz

1 RM\*  
VIEW



Date: 24.APR.2021 10:52:56

Channel Frequency (MHz): **848.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **20643**

Resource Blocks (RB): **6**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-32.16**

# Upper Band Edge (UBE) Emissions LTE Band 5

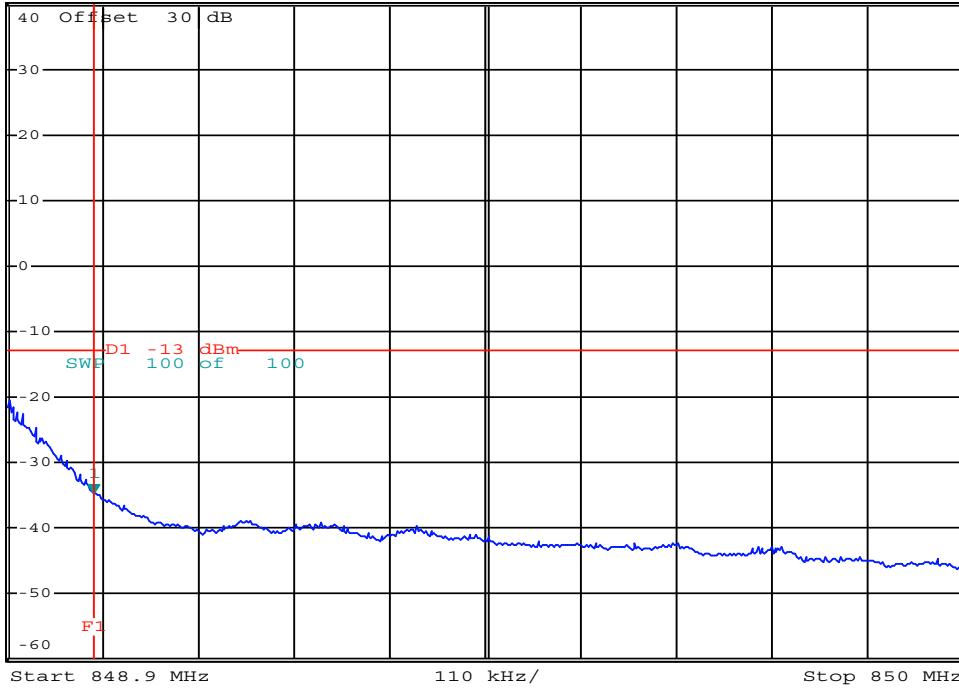


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -34.59 dBm  
 \*Att 10 dB    849.000000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 24.APR.2021 10:52:03

Channel Frequency (MHz): **848.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **20643**

Resource Blocks (RB): **6**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-34.59**

# Upper Band Edge (UBE) Emissions LTE Band 5

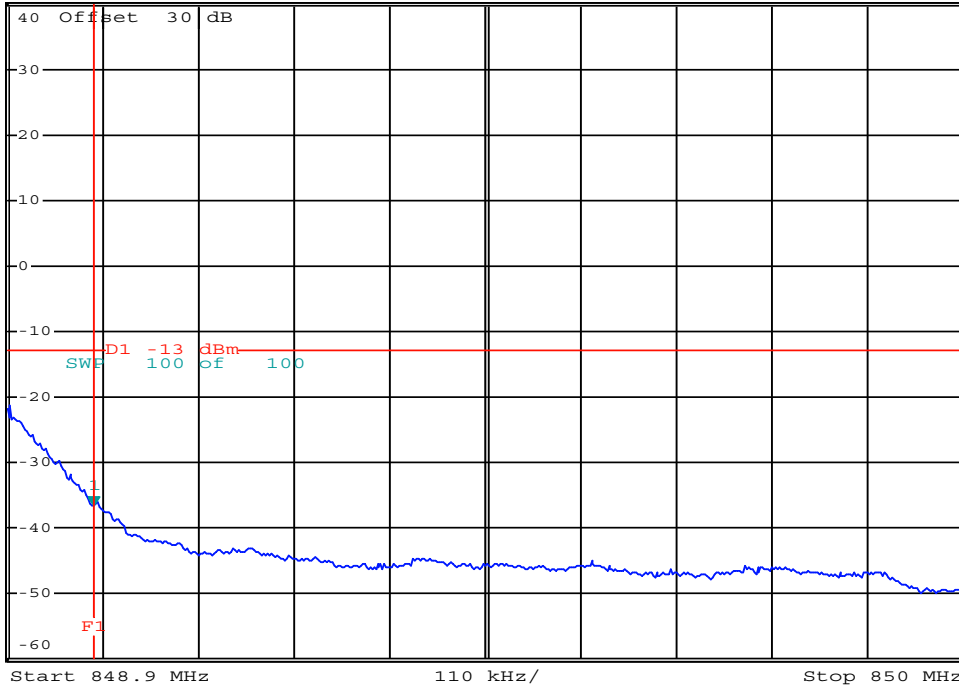


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -36.45 dBm  
 \*SWT 50 ms    849.000000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 24.APR.2021 10:50:45

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>848.3</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-36.45</b> |
| EARFCN: <b>20643</b>                  | Resource Blocks (RB): <b>6</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>            |   |

# Upper Band Edge (UBE) Emissions LTE Band 5

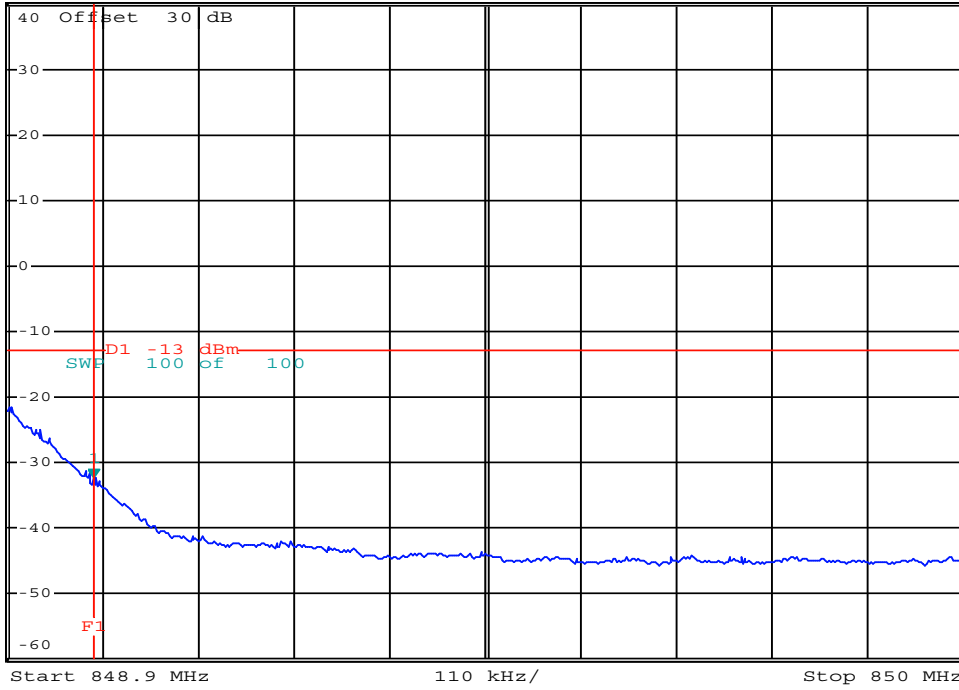


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -32.32 dBm  
 \*Att 10 dB    849.000000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 24.APR.2021 10:54:41

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>847.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-32.32</b> |
| EARFCN: <b>20635</b>                  | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>QPSK</b>             |   |

# Upper Band Edge (UBE) Emissions LTE Band 5

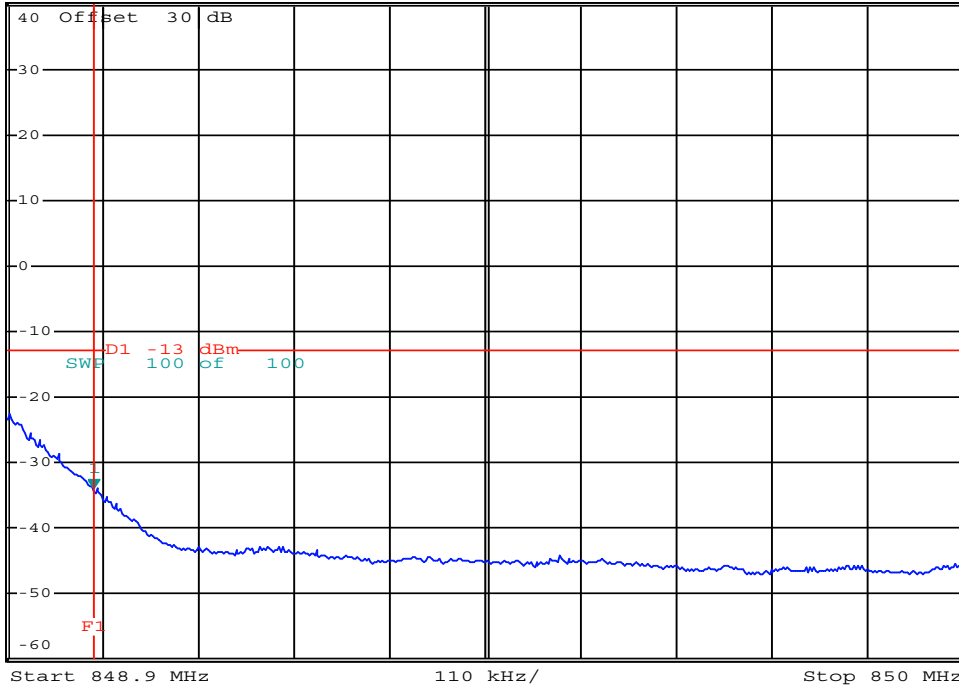


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -33.80 dBm  
 \*Att 10 dB    849.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 24.APR.2021 10:55:37

|                                       |                                     |  |
|---------------------------------------|-------------------------------------|--|
| Channel Frequency (MHz): <b>847.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-33.8</b> |
| EARFCN: <b>20635</b>                  | Resource Blocks (RB): <b>15</b>     |  |
| RB Offset: <b>0</b>                   | Modulation: <b>16QAM</b>            |  |

# Upper Band Edge (UBE) Emissions LTE Band 5



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -34.62 dBm  
 \*Att 10 dB    849.000000000 MHz

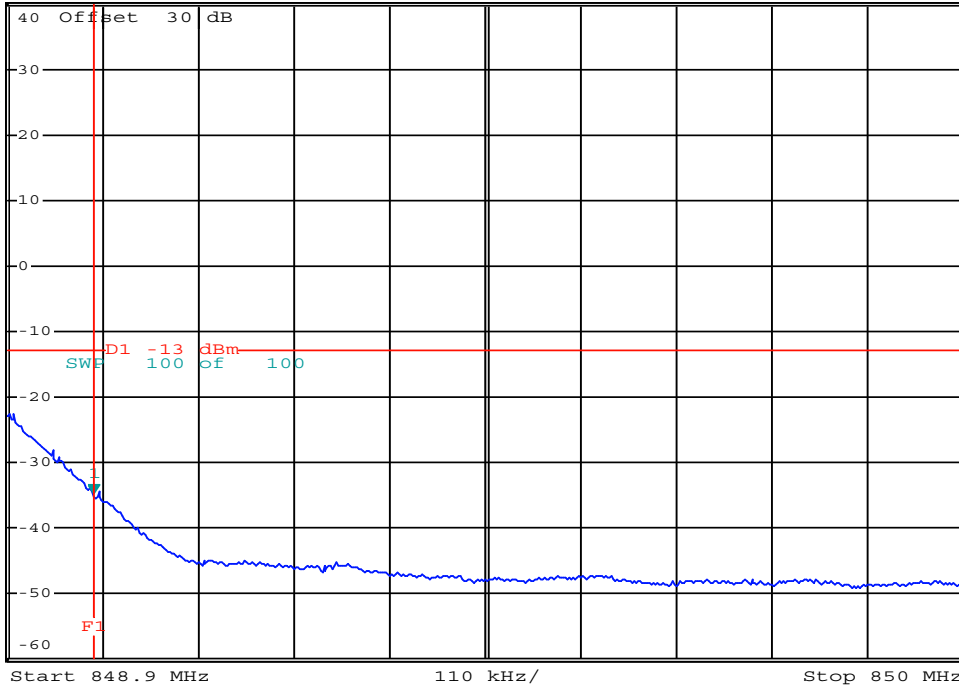
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

849.000000000 MHz

1 RM\*  
VIEW



Date: 24.APR.2021 10:56:34

Channel Frequency (MHz): **847.5**

Channel Bandwidth (MHz): **3.0**

EARFCN: **20635**

Resource Blocks (RB): **15**

RB Offset: **0**

Modulation: **64QAM**

Band Edge Emission (dBm): **-34.62**









# Upper Band Edge (UBE) Emissions LTE Band 5

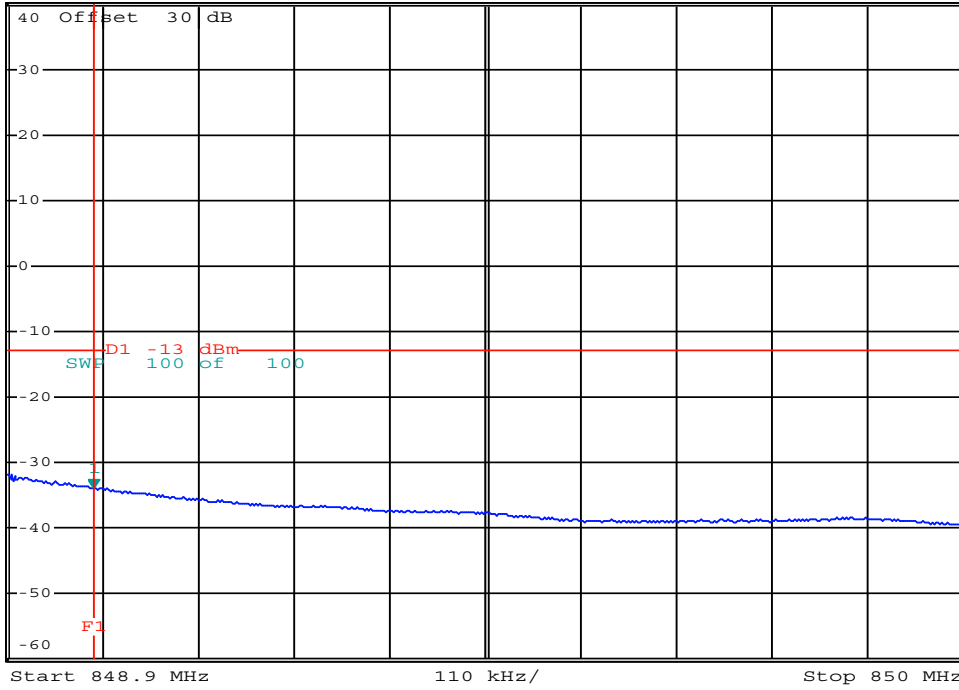


\*RBW 100 kHz    Marker 1 [T1 ]  
 VBW 1 MHz                    -33.91 dBm  
 \*Att 10 dB                    849.000000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 24.APR.2021 11:01:54

Channel Frequency (MHz): **844.0**

Channel Bandwidth (MHz): **10.0**

EARFCN: **20600**

Resource Blocks (RB): **50**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-33.91**

# Upper Band Edge (UBE) Emissions LTE Band 5

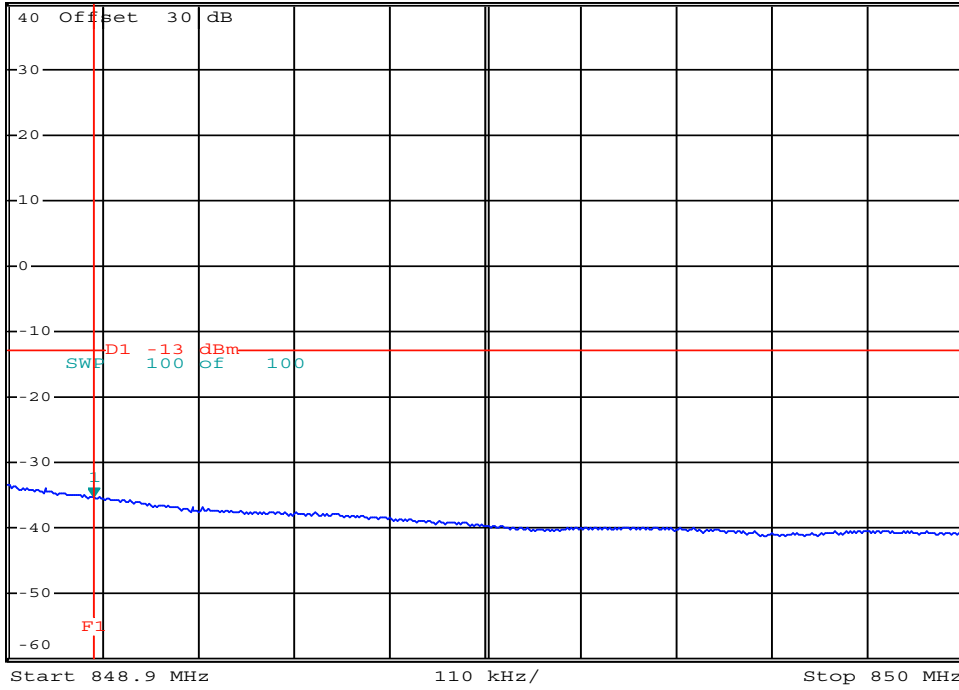


\*RBW 100 kHz    Marker 1 [T1 ]  
 VBW 1 MHz                    -35.21 dBm  
 \*Att 10 dB                    849.000000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 24.APR.2021 11:02:58

Channel Frequency (MHz): **844.0**

Channel Bandwidth (MHz): **10.0**

EARFCN: **20600**

Resource Blocks (RB): **50**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-35.21**



### Lower Band Edge Measurement Results

| Channel Frequency (MHz) | Nominal Channel BW (MHz) | EARFCN | Resource Blocks | RB Offset | Modulation | Band Edge Emission (dBm) | Limit (dBm) | Margin (dB) |
|-------------------------|--------------------------|--------|-----------------|-----------|------------|--------------------------|-------------|-------------|
| 699.7                   | 1.4                      | 23017  | 1               | 0         | QPSK       | -24.76                   | -13.00      | 11.8        |
| 699.7                   | 1.4                      | 23017  | 1               | 0         | 16QAM      | -24.32                   |             | 11.3        |
| 699.7                   | 1.4                      | 23017  | 1               | 0         | 64QAM      | -26.35                   |             | 13.4        |
| 699.7                   | 1.4                      | 23017  | 6               | 0         | QPSK       | -28.74                   |             | 15.7        |
| 699.7                   | 1.4                      | 23017  | 6               | 0         | 16QAM      | -29.45                   |             | 16.5        |
| 699.7                   | 1.4                      | 23017  | 6               | 0         | 64QAM      | -31.46                   |             | 18.5        |
| 700.5                   | 3                        | 23025  | 15              | 0         | QPSK       | -30.50                   |             | 17.5        |
| 700.5                   | 3                        | 23025  | 15              | 0         | 16QAM      | -31.14                   |             | 18.1        |
| 700.5                   | 3                        | 23025  | 15              | 0         | 64QAM      | -33.68                   |             | 20.7        |
| 701.5                   | 5                        | 23035  | 25              | 0         | QPSK       | -35.55                   |             | 22.6        |
| 701.5                   | 5                        | 23035  | 25              | 0         | 16QAM      | -35.11                   |             | 22.1        |
| 701.5                   | 5                        | 23035  | 25              | 0         | 64QAM      | -37.86                   |             | 24.9        |
| 704                     | 10                       | 23060  | 50              | 0         | QPSK       | -40.57                   |             | 27.6        |
| 704                     | 10                       | 23060  | 50              | 0         | 16QAM      | -39.23                   |             | 26.2        |
| 704                     | 10                       | 23060  | 50              | 0         | 64QAM      | -43.61                   |             | 30.6        |
| <b>Complies</b>         |                          |        |                 |           |            |                          |             |             |

Margin = Limit - Band Edge Emission

# Lower Band Edge (LBE) Emissions LTE Band 12

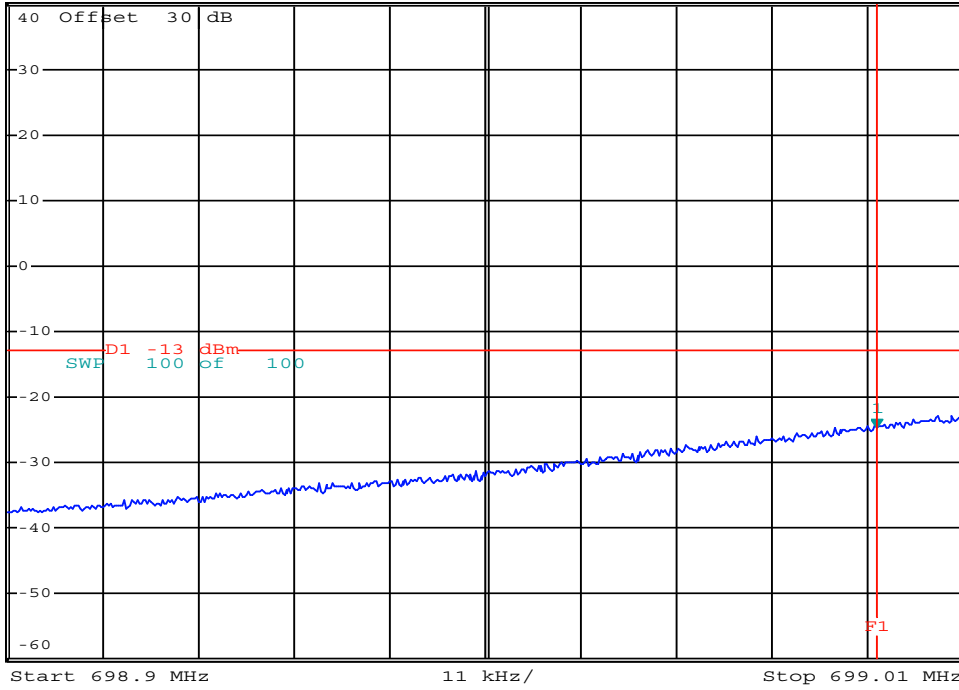


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -24.76 dBm  
 \*Att 10 dB    699.000000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:34:33

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>699.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-24.76</b> |
| EARFCN: <b>23017</b>                  | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>QPSK</b>             |   |

# Lower Band Edge (LBE) Emissions LTE Band 12

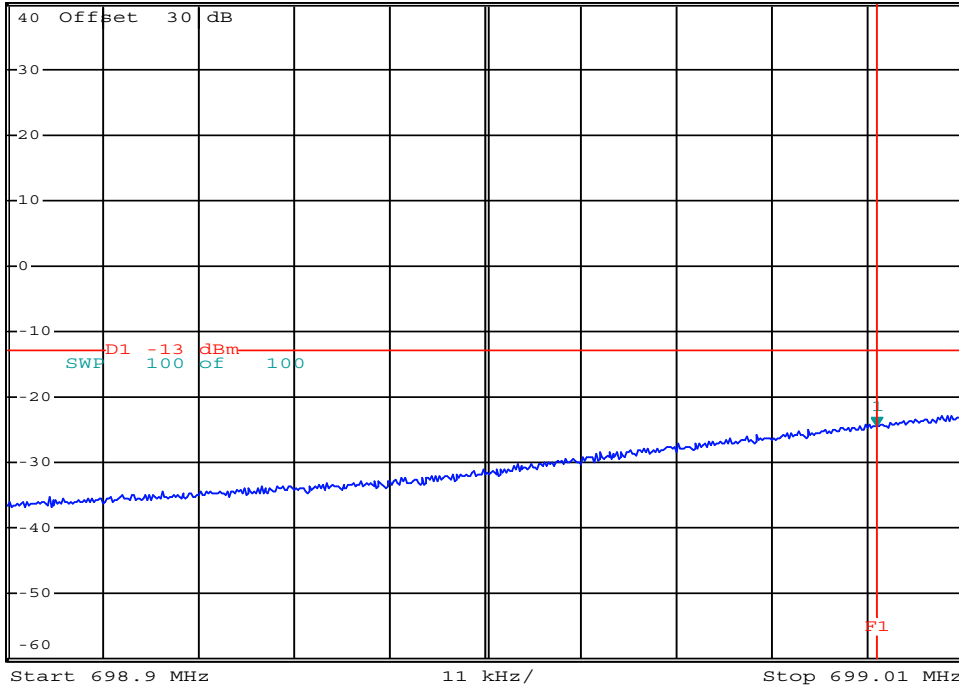


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -24.32 dBm  
 \*Att 10 dB    699.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:35:26

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>699.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-24.32</b> |
| EARFCN: <b>23017</b>                  | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>16QAM</b>            |   |

# Lower Band Edge (LBE) Emissions LTE Band 12

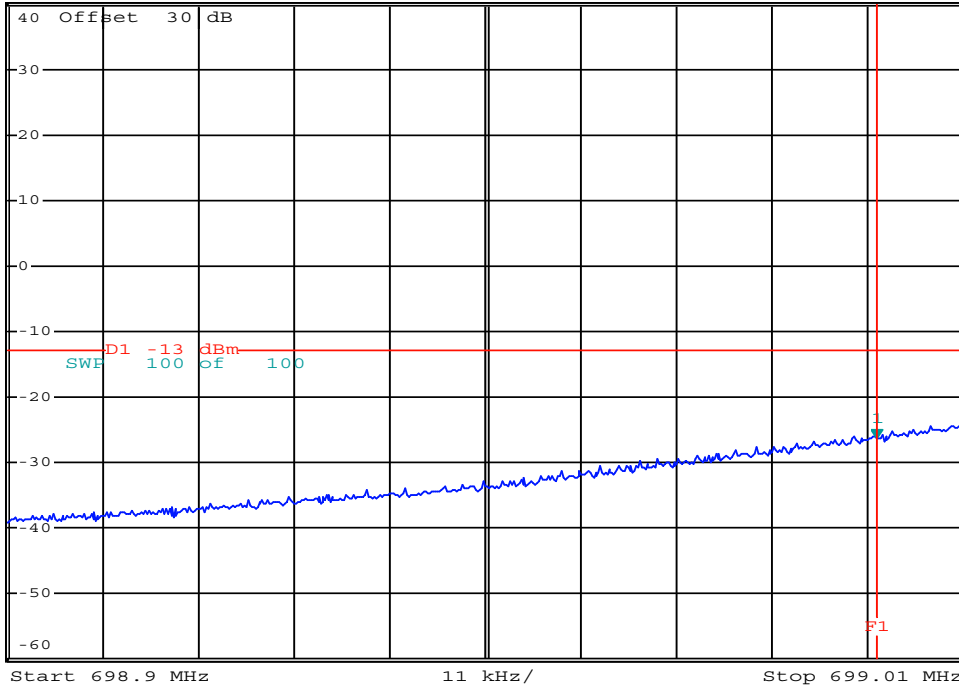


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -26.35 dBm  
 \*SWT 50 ms    699.00000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:36:20

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>699.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-26.35</b> |
| EARFCN: <b>23017</b>                  | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>            |   |



# Lower Band Edge (LBE) Emissions LTE Band 12

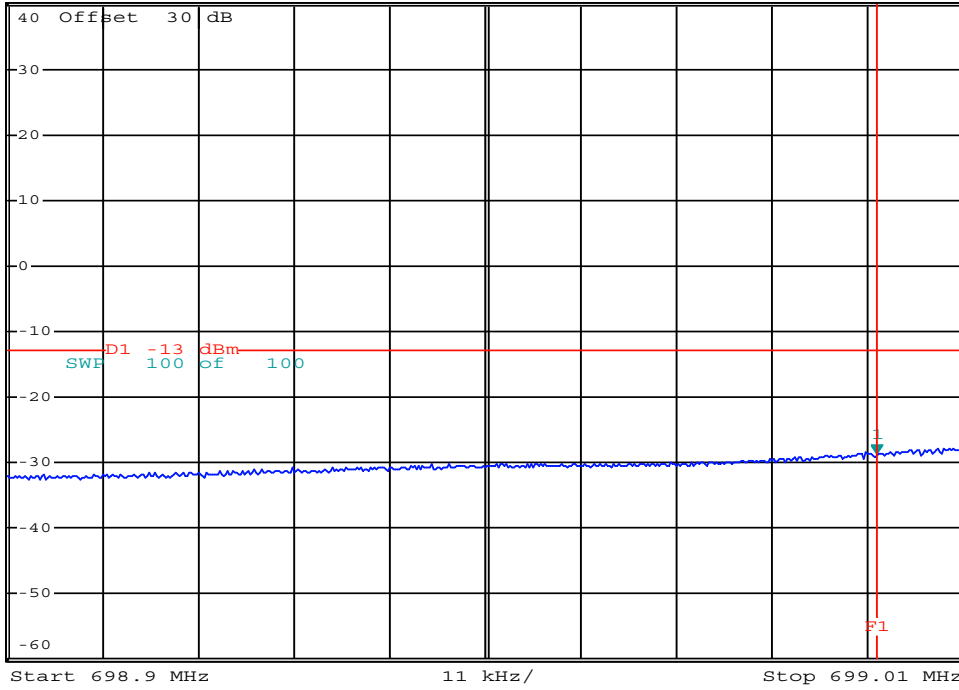


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -28.74 dBm  
 \*SWT 50 ms    699.000000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 25.APR.2021 04:40:09

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>699.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-28.74</b> |
| EARFCN: <b>23017</b>                  | Resource Blocks (RB): <b>6</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>QPSK</b>             |   |

# Lower Band Edge (LBE) Emissions LTE Band 12

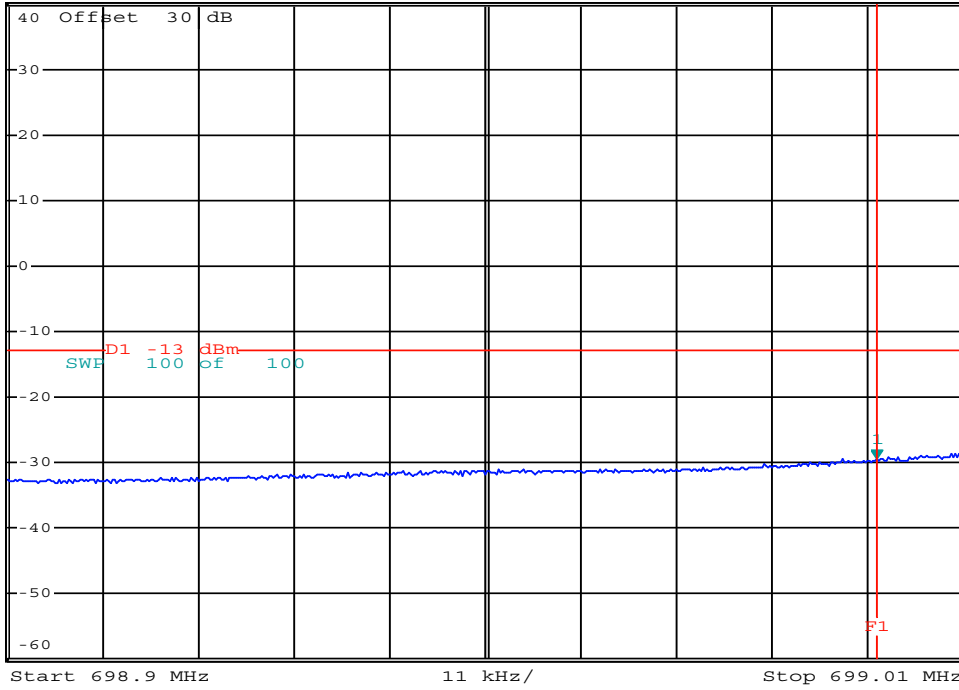


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -29.45 dBm  
 \*SWT 50 ms    699.00000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:39:12

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>699.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-29.45</b> |
| EARFCN: <b>23017</b>                  | Resource Blocks (RB): <b>6</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>16QAM</b>            |   |

# Lower Band Edge (LBE) Emissions LTE Band 12

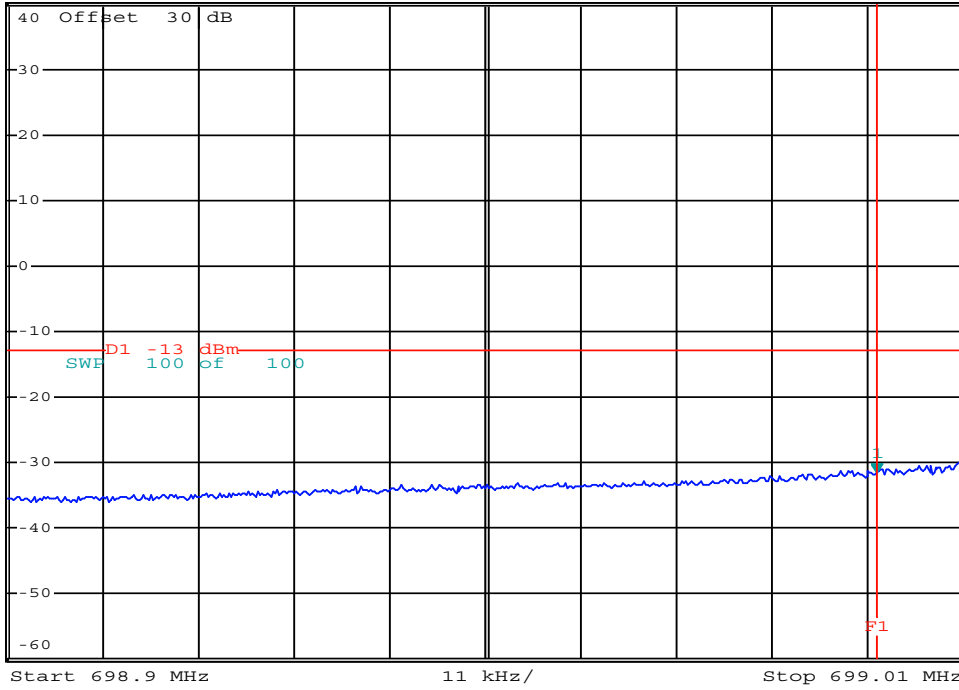


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -31.46 dBm  
 \*SWT 50 ms    699.00000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 25.APR.2021 04:38:21

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>699.7</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-31.46</b> |
| EARFCN: <b>23017</b>                  | Resource Blocks (RB): <b>6</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>            |   |



# Lower Band Edge (LBE) Emissions LTE Band 12

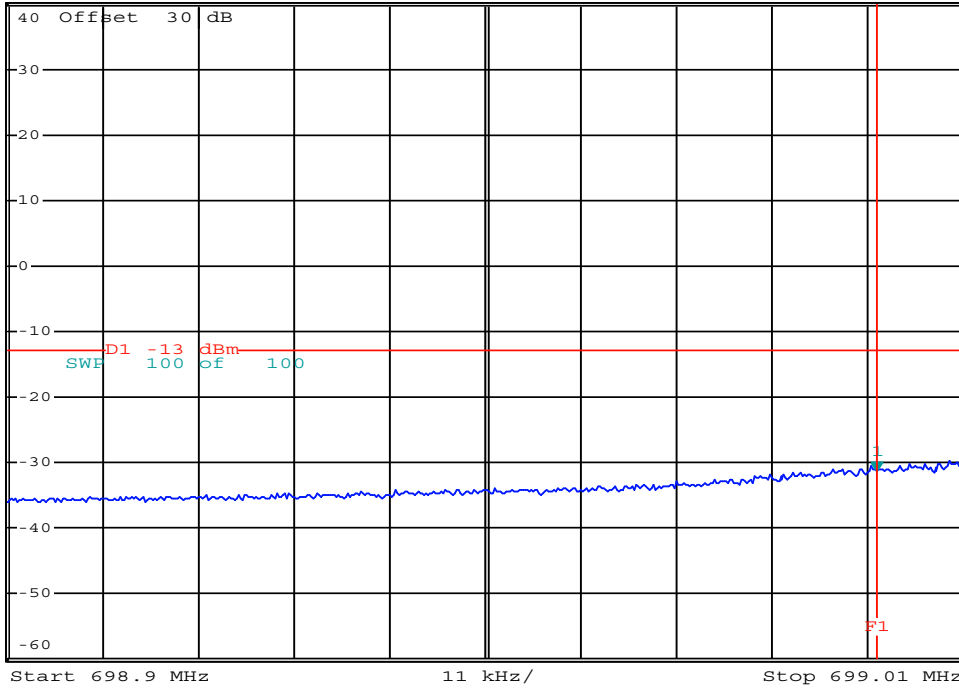


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -31.14 dBm  
 \*SWT 50 ms    699.000000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:42:33

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>700.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-31.14</b> |
| EARFCN: <b>23025</b>                  | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>16QAM</b>            |   |

# Lower Band Edge (LBE) Emissions LTE Band 12

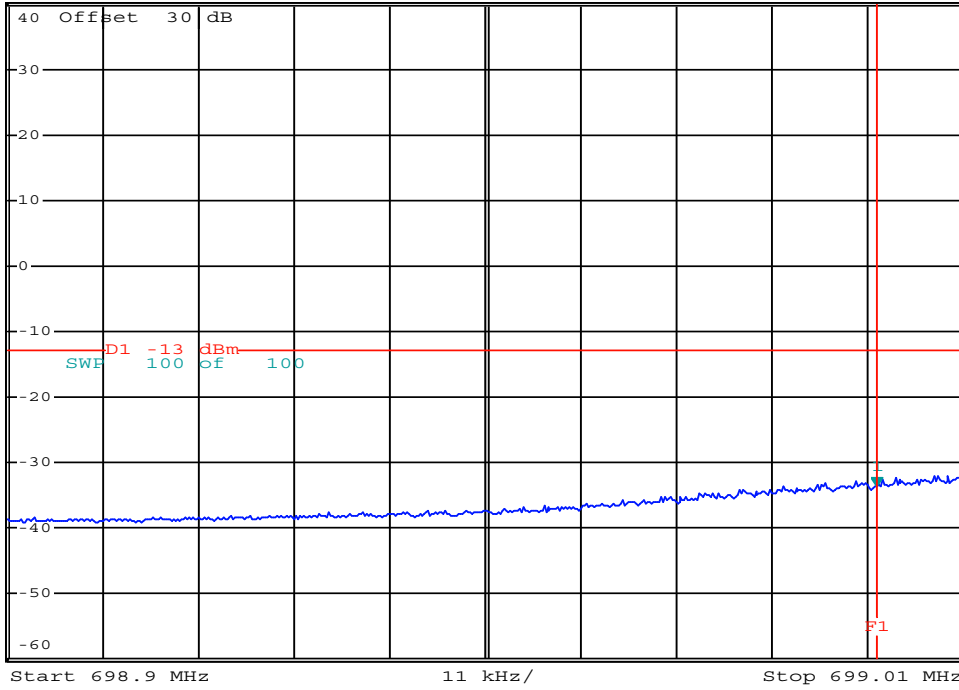


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -33.68 dBm  
 \*Att 10 dB    699.000000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:43:34

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>700.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-33.68</b> |
| EARFCN: <b>23025</b>                  | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>            |   |

# Lower Band Edge (LBE) Emissions LTE Band 12

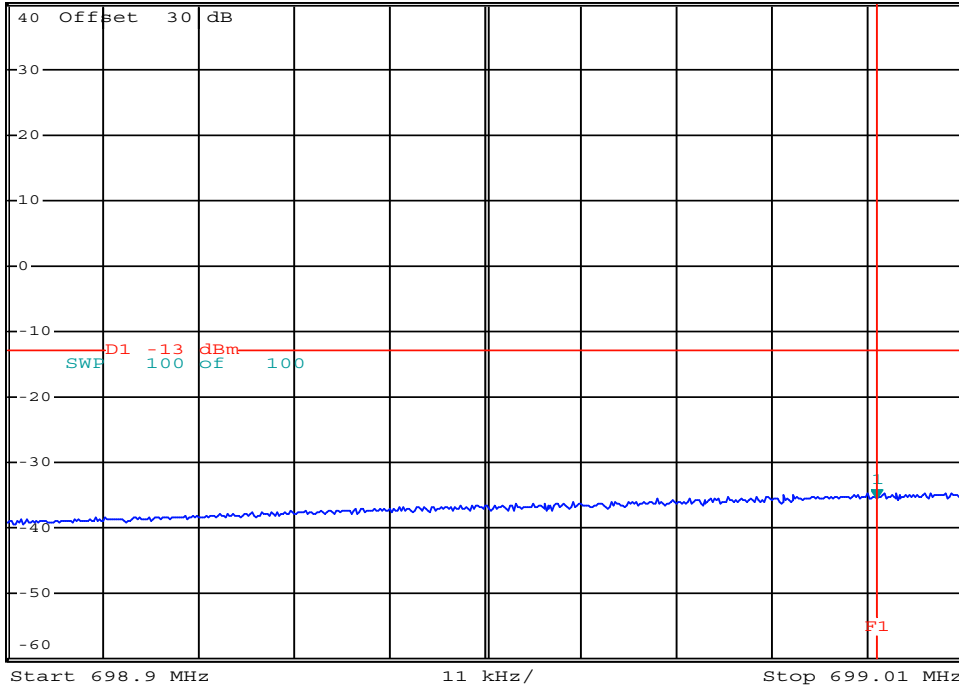


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -35.55 dBm  
 \*Att 10 dB    699.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:46:57

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>701.5</b> | Channel Bandwidth (MHz): <b>5.0</b> | Band Edge Emission (dBm): <b>-35.55</b> |
| EARFCN: <b>23035</b>                  | Resource Blocks (RB): <b>25</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>QPSK</b>             |   |

# Lower Band Edge (LBE) Emissions LTE Band 12

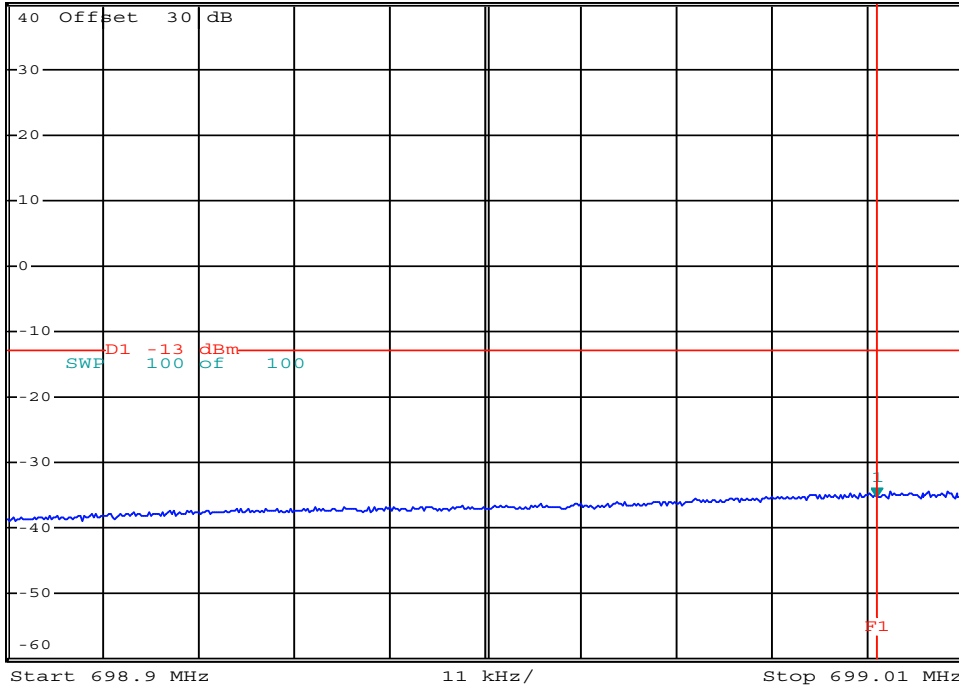


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -35.11 dBm  
 \*Att 10 dB    699.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:46:04

|                          |              |                          |              |                           |               |
|--------------------------|--------------|--------------------------|--------------|---------------------------|---------------|
| Channel Frequency (MHz): | <b>701.5</b> | Channel Bandwidth (MHz): | <b>5.0</b>   | Band Edge Emission (dBm): | <b>-35.11</b> |
| EARFCN:                  | <b>23035</b> | Resource Blocks (RB):    | <b>25</b>    |                           |               |
| RB Offset:               | <b>0</b>     | Modulation:              | <b>16QAM</b> |                           |               |



# Lower Band Edge (LBE) Emissions LTE Band 12

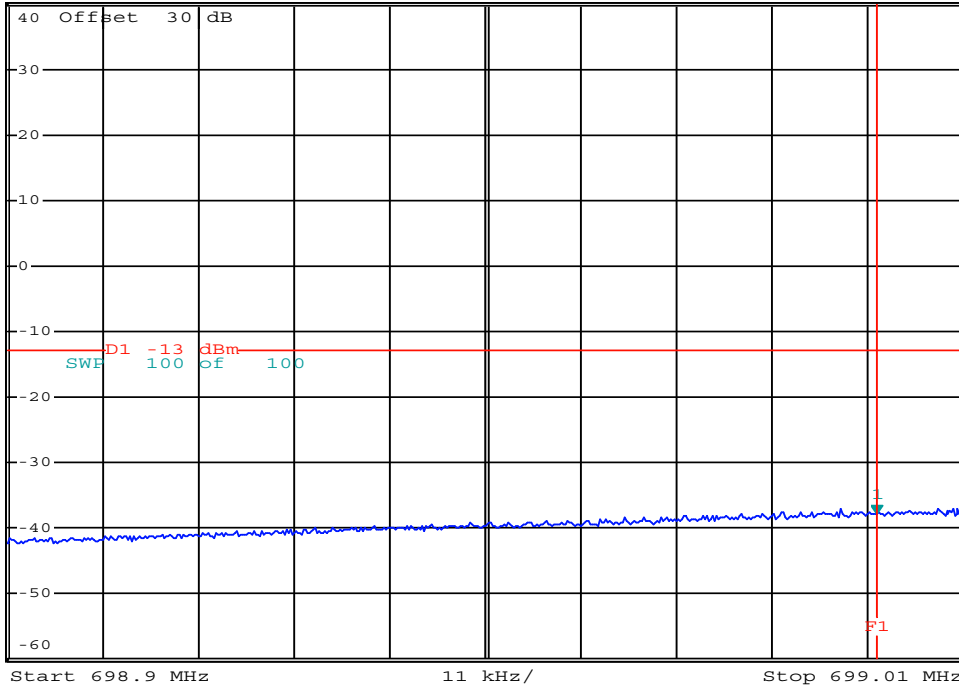


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -37.86 dBm  
 \*Att 10 dB    699.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:45:10

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>701.5</b> | Channel Bandwidth (MHz): <b>5.0</b> | Band Edge Emission (dBm): <b>-37.86</b> |
| EARFCN: <b>23035</b>                  | Resource Blocks (RB): <b>25</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>            |   |

# Lower Band Edge (LBE) Emissions LTE Band 12

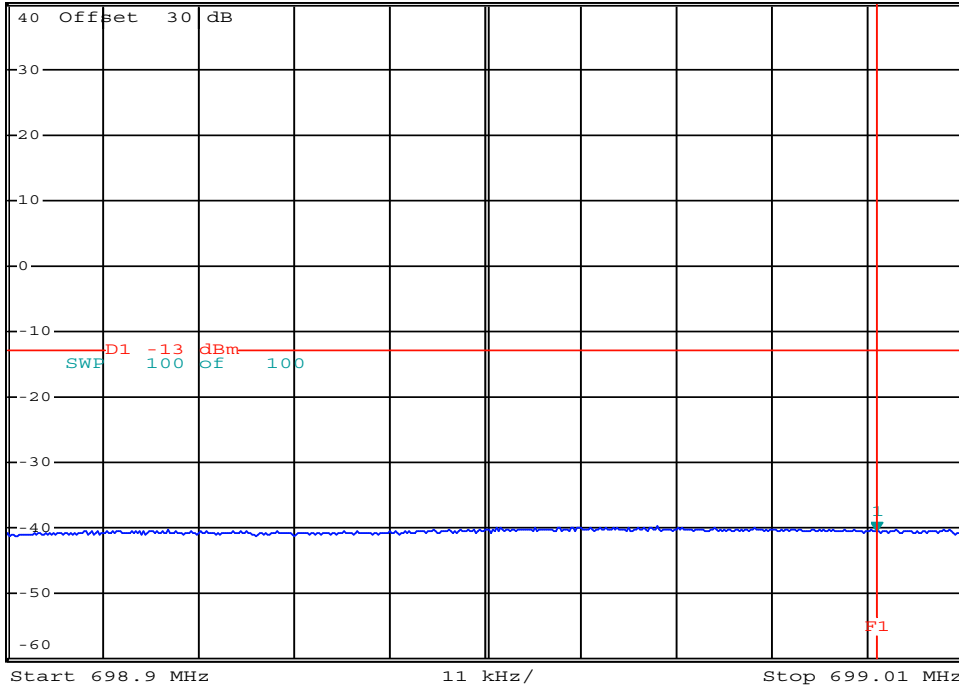


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -40.57 dBm  
 \*SWT 50 ms    699.000000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:48:31

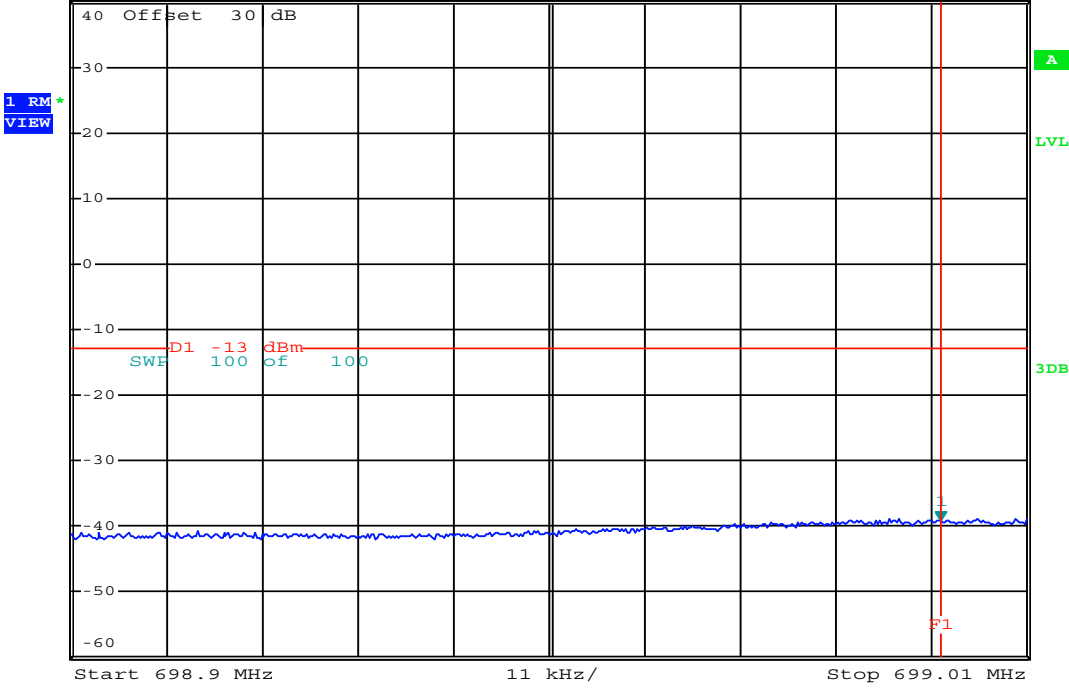
|                                       |                                      |   |
|---------------------------------------|--------------------------------------|---|
| Channel Frequency (MHz): <b>704.0</b> | Channel Bandwidth (MHz): <b>10.0</b> | Band Edge Emission (dBm): <b>-40.57</b> |
| EARFCN: <b>23060</b>                  | Resource Blocks (RB): <b>50</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>QPSK</b>              |   |

# Lower Band Edge (LBE) Emissions LTE Band 12



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -39.23 dBm  
 \*Att 10 dB    699.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm



Date: 25.APR.2021 04:49:27

|                                       |                                      |   |
|---------------------------------------|--------------------------------------|---|
| Channel Frequency (MHz): <b>704.0</b> | Channel Bandwidth (MHz): <b>10.0</b> | Band Edge Emission (dBm): <b>-39.23</b> |
| EARFCN: <b>23060</b>                  | Resource Blocks (RB): <b>50</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>16QAM</b>             |   |

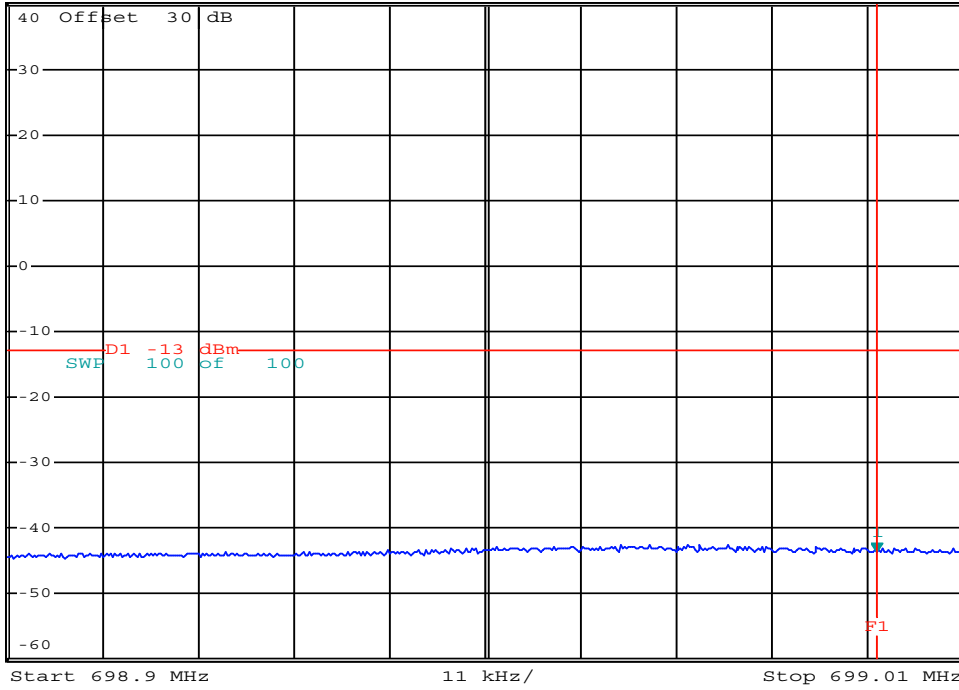
# Lower Band Edge (LBE) Emissions LTE Band 12



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -43.61 dBm  
 \*SWT 50 ms    699.000000000 MHz

Ref 40 dBm    \*Att 10 dB

1 RM\*  
VIEW



Date: 25.APR.2021 04:50:27

|                                       |                                      |   |
|---------------------------------------|--------------------------------------|---|
| Channel Frequency (MHz): <b>704.0</b> | Channel Bandwidth (MHz): <b>10.0</b> | Band Edge Emission (dBm): <b>-43.61</b> |
| EARFCN: <b>23060</b>                  | Resource Blocks (RB): <b>50</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>             |   |

### Lower Band Edge Measurement Results

| Channel Frequency (MHz) | Nominal Channel BW (MHz) | EARFCN | Resource Blocks | RB Offset | Modulation | Band Edge Emission (dBm) | Limit (dBm) | Margin (dB) |
|-------------------------|--------------------------|--------|-----------------|-----------|------------|--------------------------|-------------|-------------|
| 715.3                   | 1.4                      | 23173  | 1               | 6         | QPSK       | -23.37                   | -13.00      | 10.4        |
| 715.3                   | 1.4                      | 23173  | 1               | 6         | 16QAM      | -24.55                   |             | 11.6        |
| 715.3                   | 1.4                      | 23173  | 1               | 6         | 64QAM      | -27.31                   |             | 14.3        |
| 715.3                   | 1.4                      | 23173  | 6               | 0         | QPSK       | -30.21                   |             | 17.2        |
| 715.3                   | 1.4                      | 23173  | 6               | 0         | 16QAM      | -30.82                   |             | 17.8        |
| 715.3                   | 1.4                      | 23173  | 6               | 0         | 64QAM      | -32.17                   |             | 19.2        |
| 714.5                   | 3                        | 23165  | 15              | 0         | QPSK       | -31.95                   |             | 19.0        |
| 714.5                   | 3                        | 23165  | 15              | 0         | 16QAM      | -32.97                   |             | 20.0        |
| 714.5                   | 3                        | 23165  | 15              | 0         | 64QAM      | -34.17                   |             | 21.2        |
| 713.5                   | 5                        | 23155  | 25              | 0         | QPSK       | -35.36                   |             | 22.4        |
| 713.5                   | 5                        | 23155  | 25              | 0         | 16QAM      | -34.96                   |             | 22.0        |
| 713.5                   | 5                        | 23155  | 25              | 0         | 64QAM      | -35.21                   |             | 22.2        |
| 711                     | 10                       | 23130  | 50              | 0         | QPSK       | -39.38                   |             | 26.4        |
| 711                     | 10                       | 23130  | 50              | 0         | 16QAM      | -39.79                   |             | 26.8        |
| 711                     | 10                       | 23130  | 50              | 0         | 64QAM      | -41.78                   |             | 28.8        |
| <b>Complies</b>         |                          |        |                 |           |            |                          |             |             |

Margin = Limit - Band Edge Emission

# Upper Band Edge (UBE) Emissions LTE Band 12

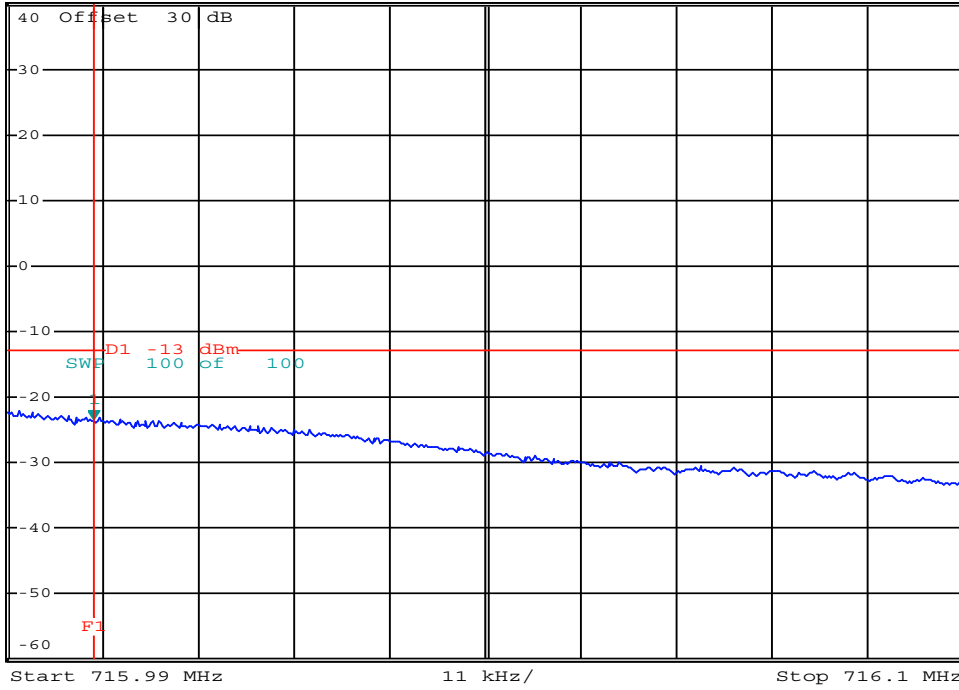


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -23.37 dBm  
 \*Att 10 dB    716.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:02:50

Channel Frequency (MHz): **715.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **23173**

Resource Blocks (RB): **1**

RB Offset: **6**

Modulation: **QPSK**

Band Edge Emission (dBm): **-23.37**

# Upper Band Edge (UBE) Emissions LTE Band 12



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -24.55 dBm  
 \*Att 10 dB    716.00000000 MHz

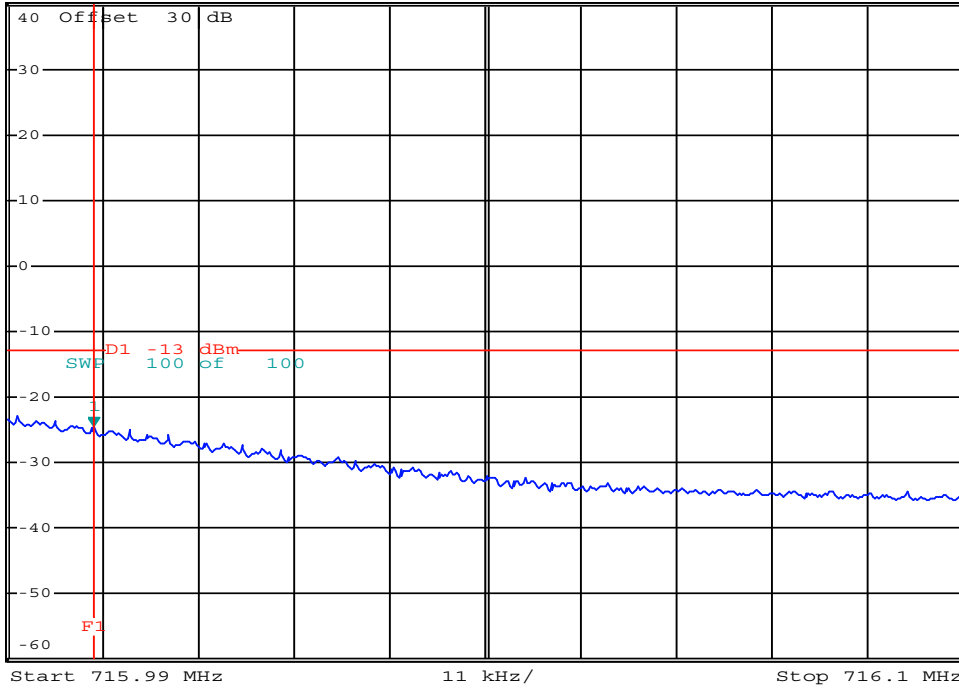
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

716.00000000 MHz

1 RM\*  
VIEW



Date: 25.APR.2021 04:01:56

Channel Frequency (MHz): **715.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **23173**

Resource Blocks (RB): **1**

RB Offset: **6**

Modulation: **16QAM**

Band Edge Emission (dBm): **-24.55**

# Upper Band Edge (UBE) Emissions LTE Band 12

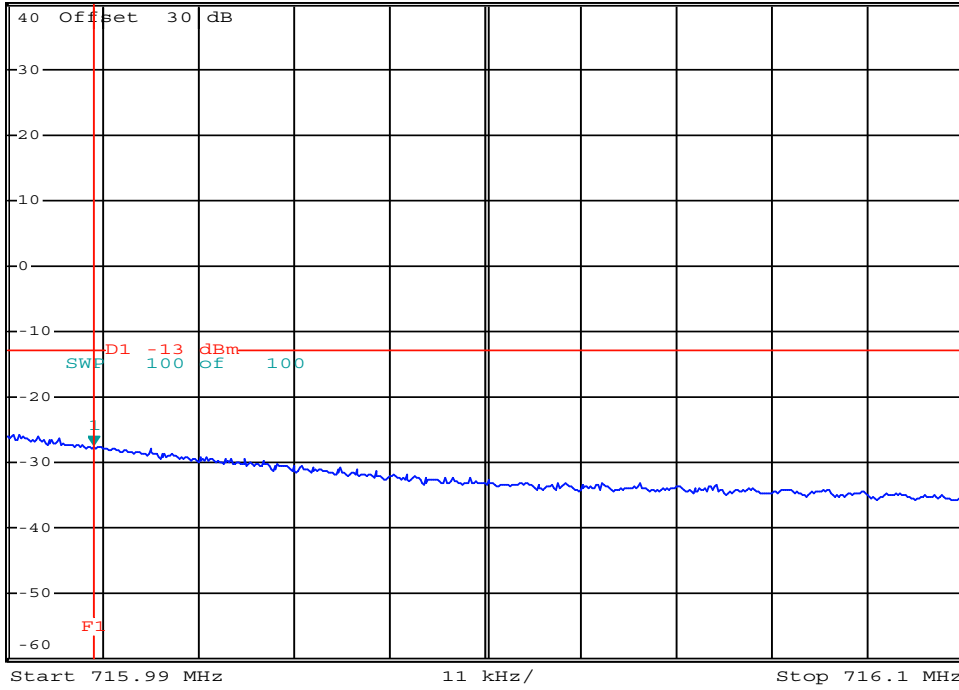


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -27.31 dBm  
 \*Att 10 dB    716.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 03:58:29

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>715.3</b> | Channel Bandwidth (MHz): <b>1.4</b> | Band Edge Emission (dBm): <b>-27.31</b> |
| EARFCN: <b>23173</b>                  | Resource Blocks (RB): <b>1</b>      |   |
| RB Offset: <b>6</b>                   | Modulation: <b>64QAM</b>            |   |



# Upper Band Edge (UBE) Emissions LTE Band 12

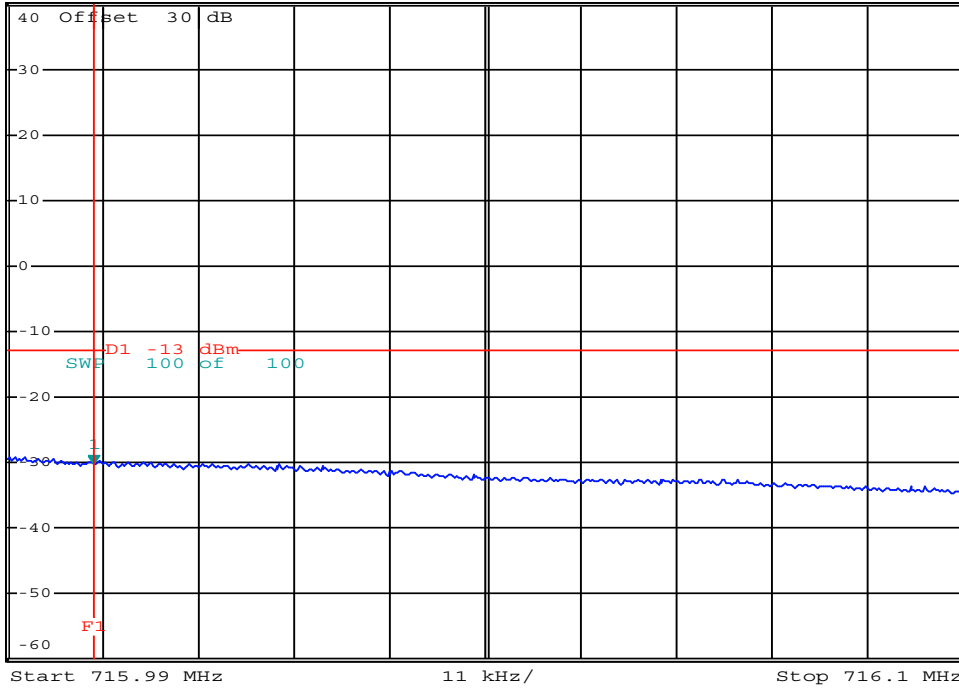


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -30.21 dBm  
 \*Att 10 dB    716.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:03:53

Channel Frequency (MHz): **715.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **23173**

Resource Blocks (RB): **6**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-30.21**

# Upper Band Edge (UBE) Emissions LTE Band 12

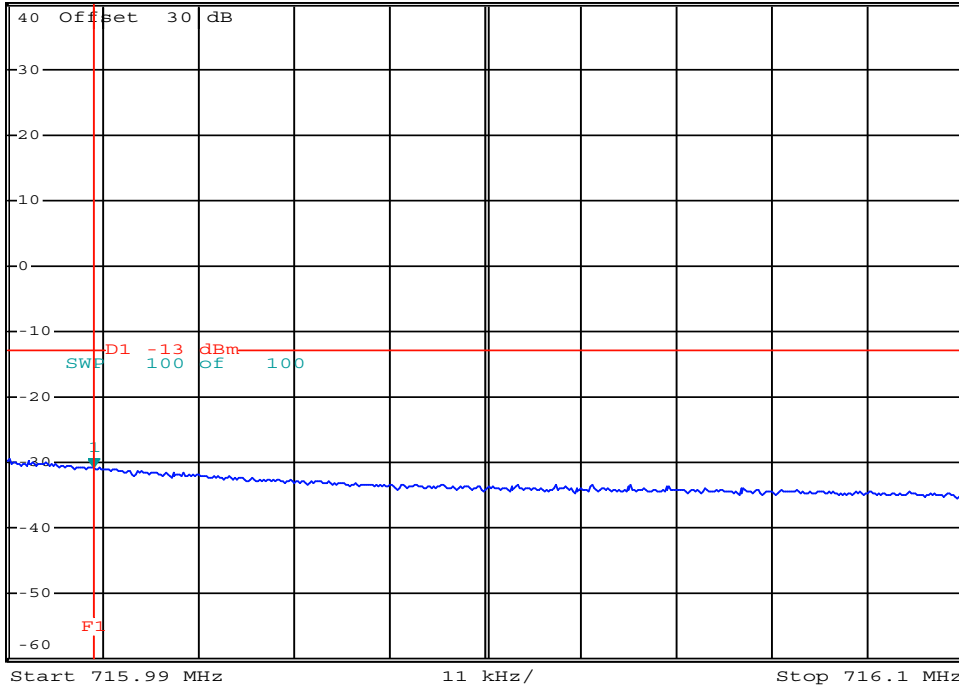


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -30.82 dBm  
 \*SWT 50 ms    716.00000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:04:44

Channel Frequency (MHz): **715.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **23173**

Resource Blocks (RB): **6**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-30.82**

# Upper Band Edge (UBE) Emissions LTE Band 12

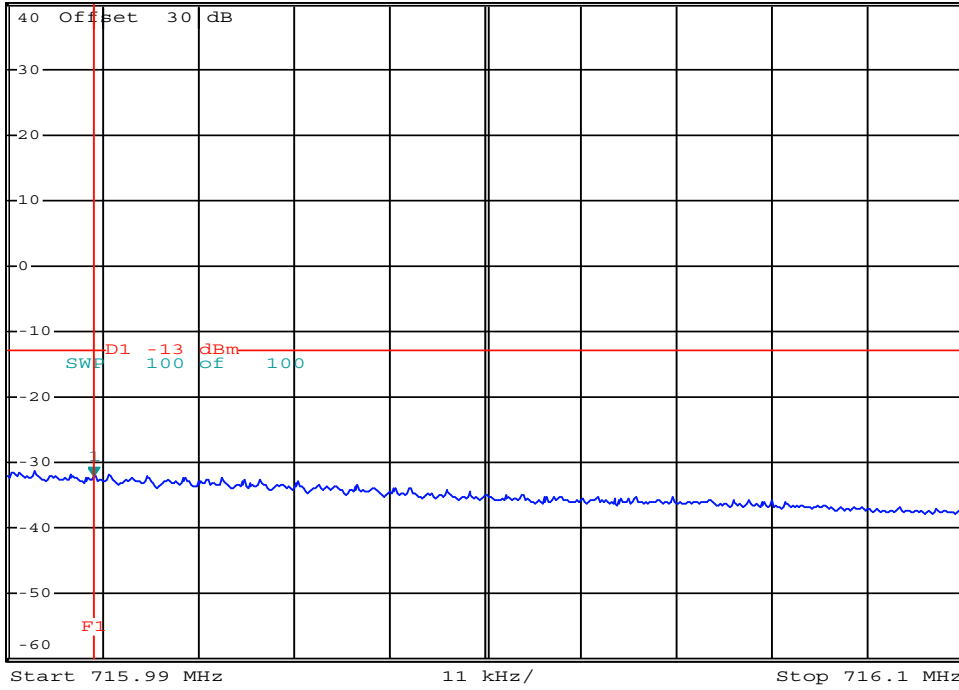


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -32.17 dBm  
 \*Att 10 dB    716.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:05:39

Channel Frequency (MHz): **715.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **23173**

Resource Blocks (RB): **6**

RB Offset: **0**

Modulation: **64QAM**

Band Edge Emission (dBm): **-32.17**

# Upper Band Edge (UBE) Emissions LTE Band 12



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -31.95 dBm  
 \*Att 10 dB    716.00000000 MHz

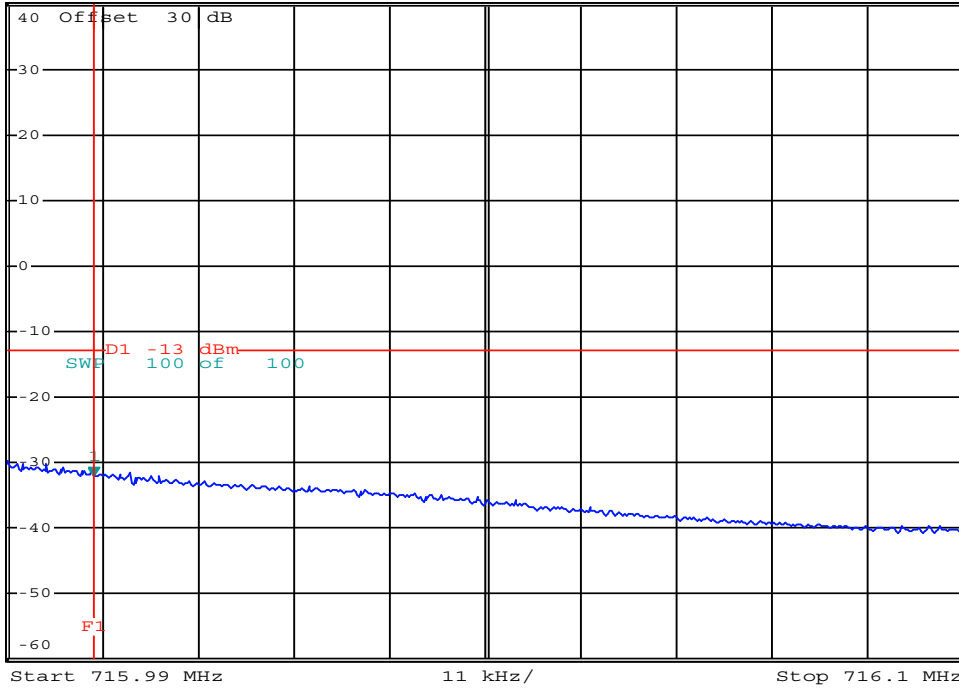
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

716.00000000 MHz

1 RM\*  
VIEW



Date: 25.APR.2021 04:19:52

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>714.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-31.95</b> |
| EARFCN: <b>23165</b>                  | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>QPSK</b>             |   |

# Upper Band Edge (UBE) Emissions LTE Band 12

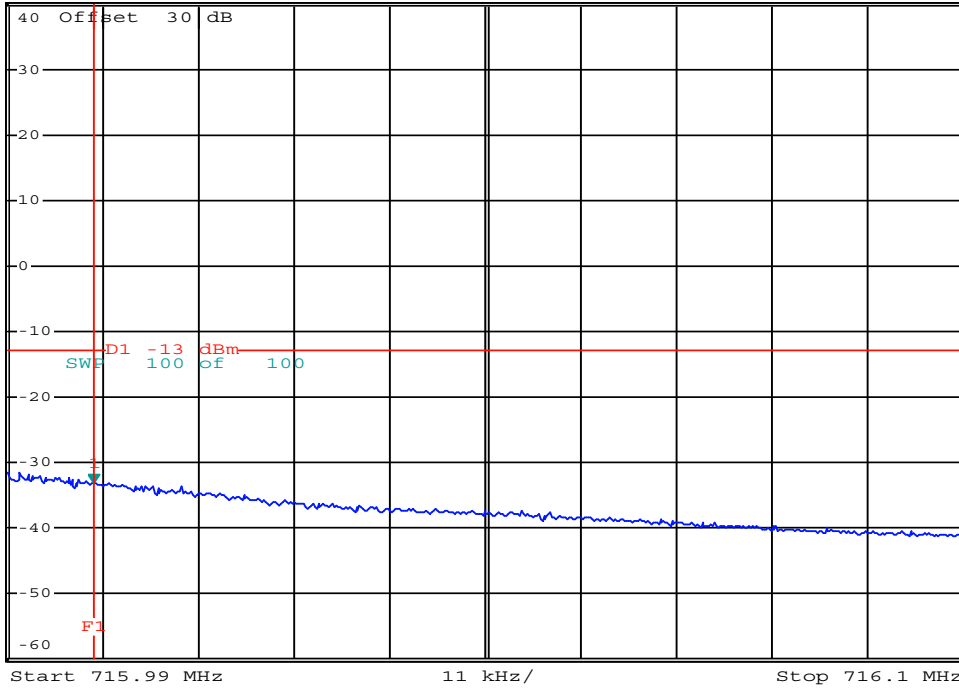


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -32.97 dBm  
 \*SWT 50 ms    716.00000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:18:53

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>714.5</b> | Channel Bandwidth (MHz): <b>3.0</b> | Band Edge Emission (dBm): <b>-32.97</b> |
| EARFCN: <b>23165</b>                  | Resource Blocks (RB): <b>15</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>16QAM</b>            |   |

# Upper Band Edge (UBE) Emissions LTE Band 12

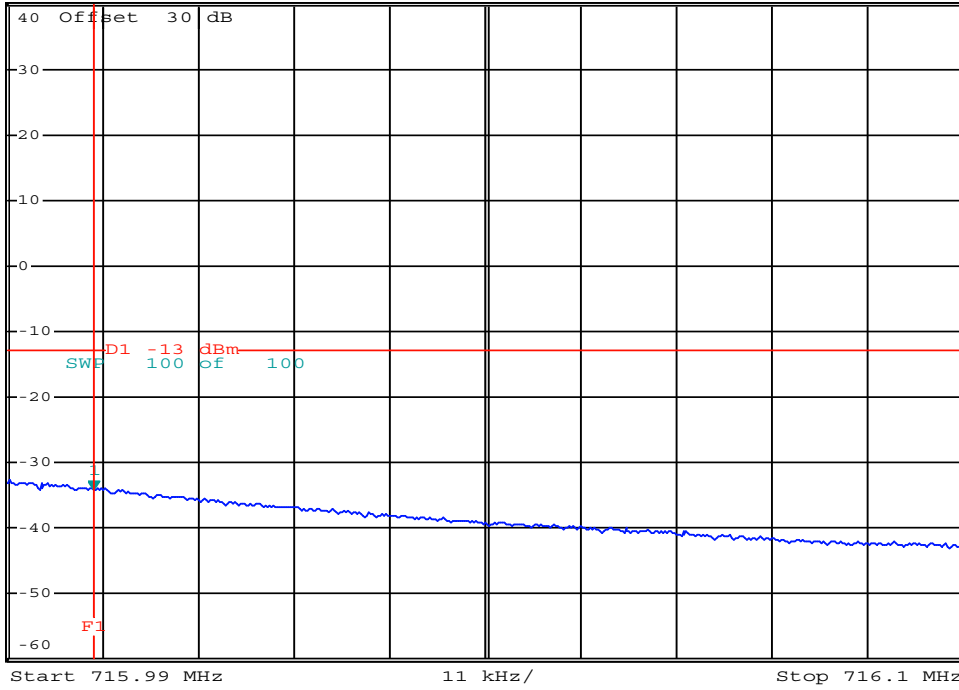


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -34.17 dBm  
 \*SWT 50 ms    716.00000000 MHz

Ref 40 dBm

\*Att 10 dB

1 RM\*  
 VIEW



Date: 25.APR.2021 04:18:04

Channel Frequency (MHz): **714.5**

Channel Bandwidth (MHz): **3.0**

EARFCN: **23165**

Resource Blocks (RB): **15**

RB Offset: **0**

Modulation: **64QAM**

Band Edge Emission (dBm): **-34.17**

# Upper Band Edge (UBE) Emissions LTE Band 12



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -35.36 dBm  
 \*Att 10 dB    716.00000000 MHz

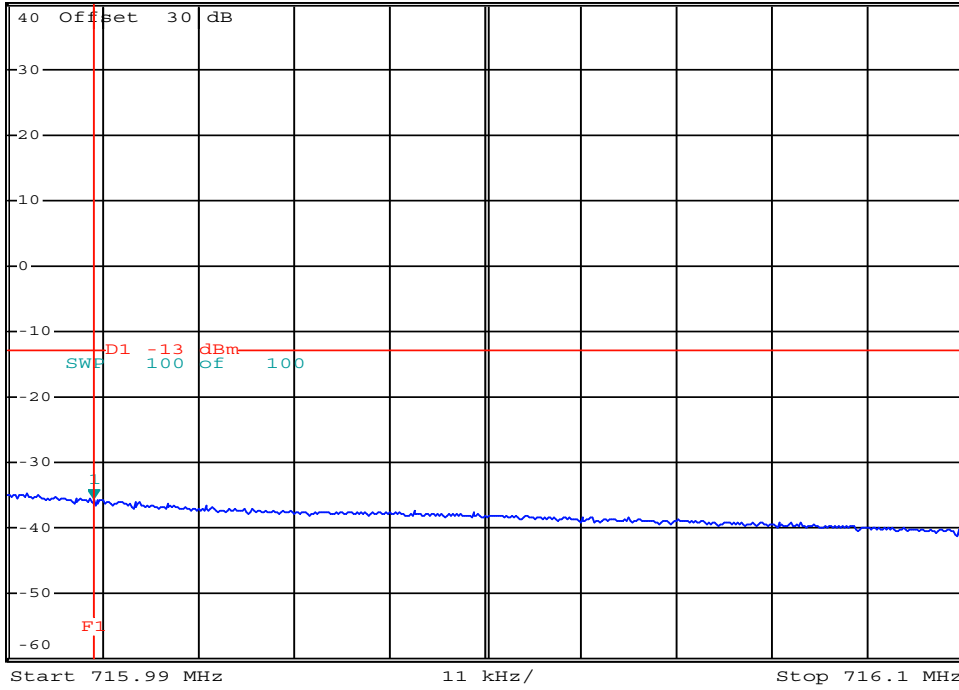
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

716.00000000 MHz

1 RM\*  
VIEW



Date: 25.APR.2021 04:22:57

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>713.5</b> | Channel Bandwidth (MHz): <b>5.0</b> | Band Edge Emission (dBm): <b>-35.36</b> |
| EARFCN: <b>23155</b>                  | Resource Blocks (RB): <b>25</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>QPSK</b>             |   |

# Upper Band Edge (UBE) Emissions LTE Band 12

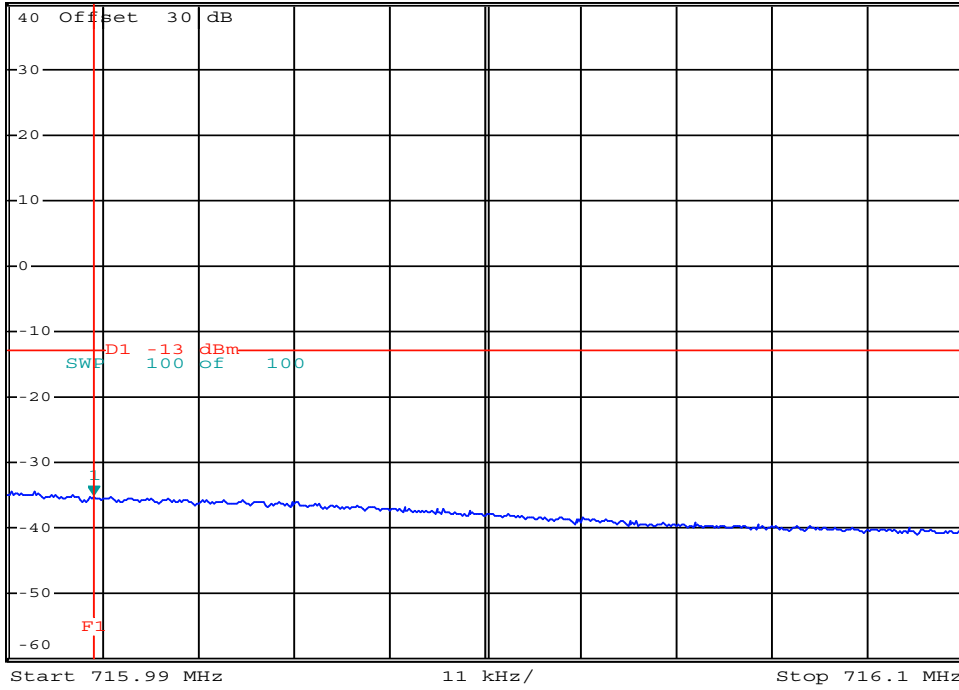


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -34.96 dBm  
 \*Att 10 dB    716.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 25.APR.2021 04:24:04

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>713.5</b> | Channel Bandwidth (MHz): <b>5.0</b> | Band Edge Emission (dBm): <b>-34.96</b> |
| EARFCN: <b>23155</b>                  | Resource Blocks (RB): <b>25</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>16QAM</b>            |   |



# Upper Band Edge (UBE) Emissions LTE Band 12



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -35.21 dBm  
 \*Att 10 dB    716.00000000 MHz

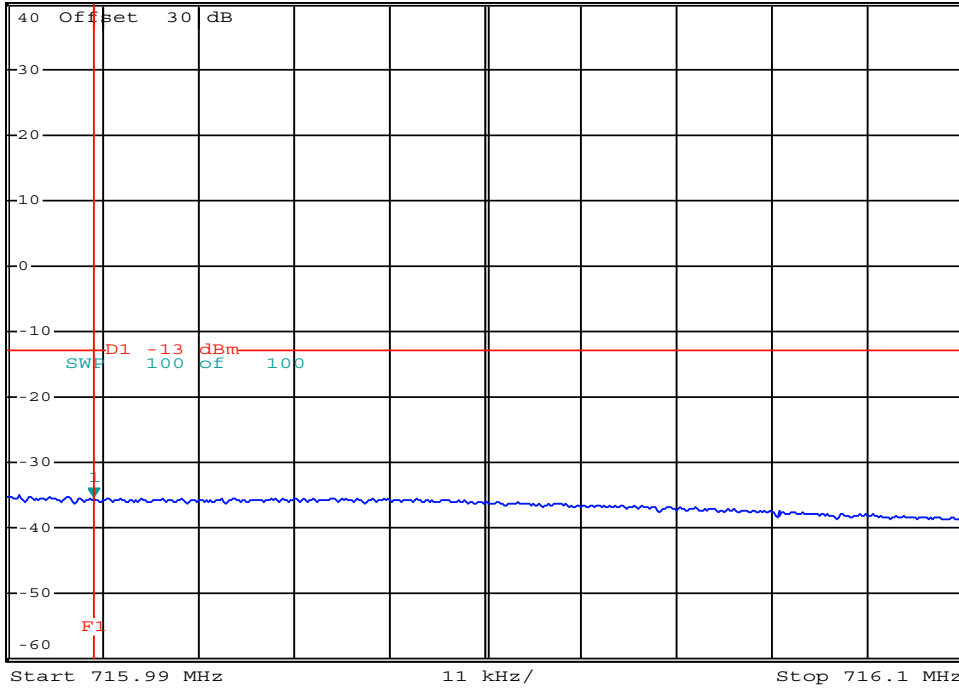
Ref 40 dBm

\*Att 10 dB

\*SWT 50 ms

716.00000000 MHz

1 RM\*  
VIEW



Date: 25.APR.2021 04:25:09

|                                       |                                     |   |
|---------------------------------------|-------------------------------------|---|
| Channel Frequency (MHz): <b>713.5</b> | Channel Bandwidth (MHz): <b>5.0</b> | Band Edge Emission (dBm): <b>-35.21</b> |
| EARFCN: <b>23155</b>                  | Resource Blocks (RB): <b>25</b>     |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>            |   |

# Upper Band Edge (UBE) Emissions LTE Band 12

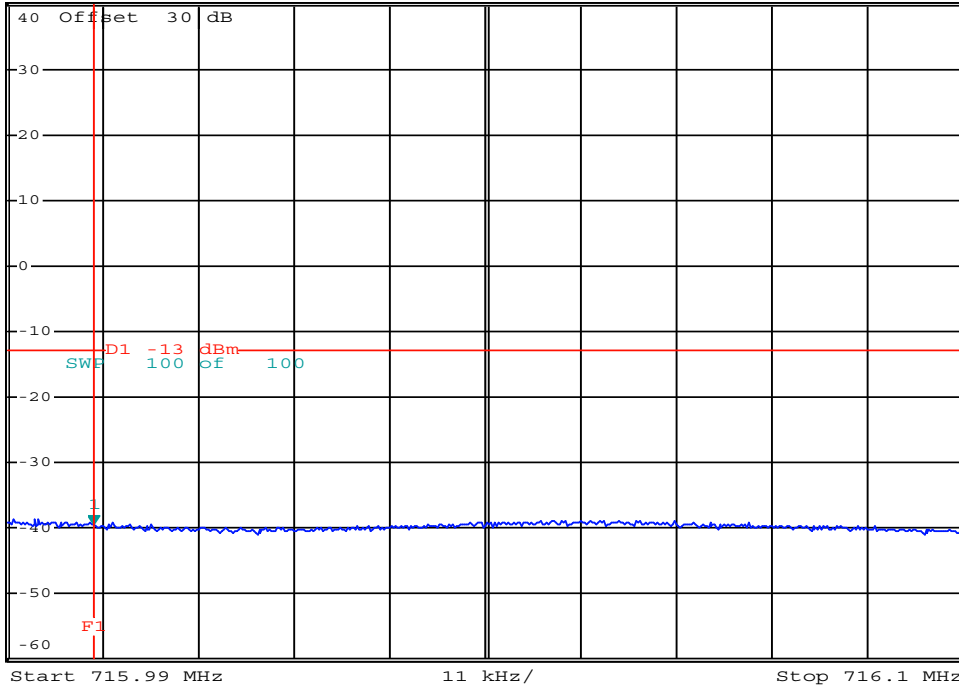


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -39.38 dBm  
 \*Att 10 dB    716.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 25.APR.2021 04:28:32

|                                       |                                      |   |
|---------------------------------------|--------------------------------------|---|
| Channel Frequency (MHz): <b>711.0</b> | Channel Bandwidth (MHz): <b>10.0</b> | Band Edge Emission (dBm): <b>-39.38</b> |
| EARFCN: <b>23130</b>                  | Resource Blocks (RB): <b>50</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>QPSK</b>              |   |

# Upper Band Edge (UBE) Emissions LTE Band 12

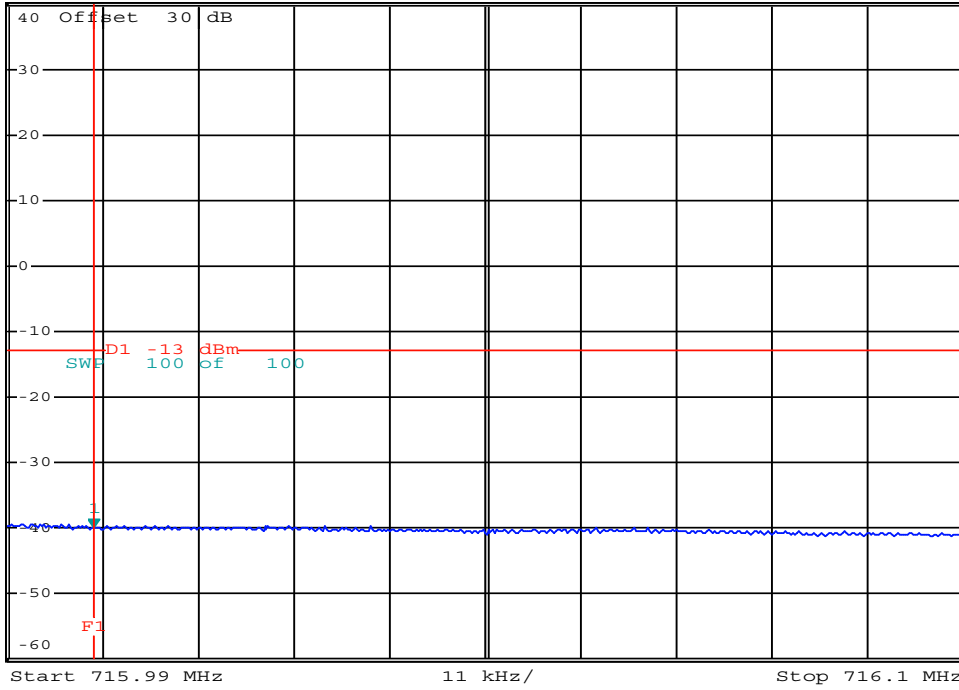


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -39.79 dBm  
 \*Att 10 dB    716.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 25.APR.2021 04:27:39

Channel Frequency (MHz): **711.0**

Channel Bandwidth (MHz): **10.0**

EARFCN: **23130**

Resource Blocks (RB): **50**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-39.79**

# Upper Band Edge (UBE) Emissions LTE Band 12

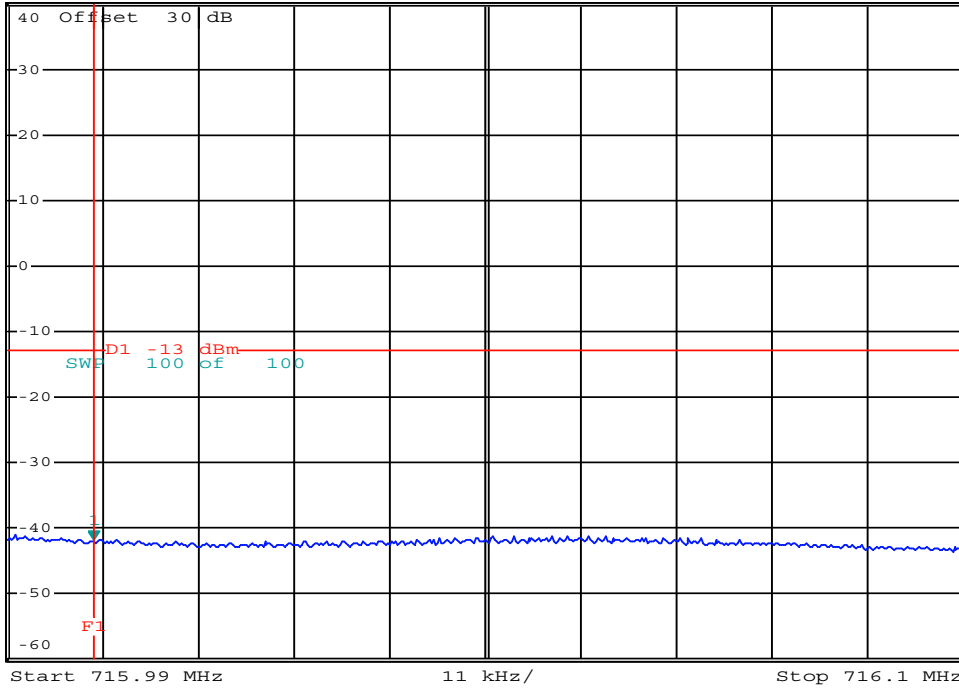


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 300 kHz    -41.78 dBm  
 \*Att 10 dB    716.00000000 MHz  
 \*SWT 50 ms

Ref 40 dBm

\*Att 10 dB

1 RM\*  
VIEW



Date: 25.APR.2021 04:26:44

|                                       |                                      |   |
|---------------------------------------|--------------------------------------|---|
| Channel Frequency (MHz): <b>711.0</b> | Channel Bandwidth (MHz): <b>10.0</b> | Band Edge Emission (dBm): <b>-41.78</b> |
| EARFCN: <b>23130</b>                  | Resource Blocks (RB): <b>50</b>      |   |
| RB Offset: <b>0</b>                   | Modulation: <b>64QAM</b>             |   |