

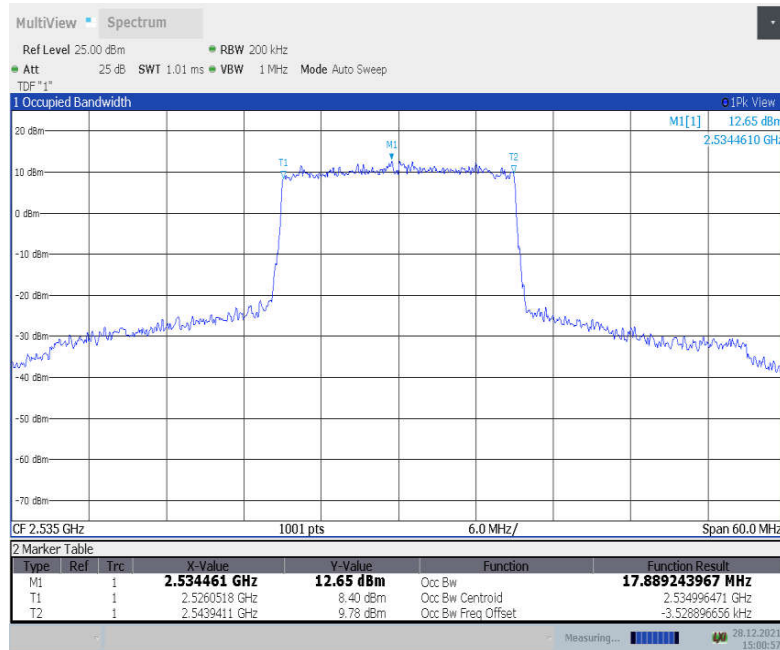


No. I21N04025-RF-LTE

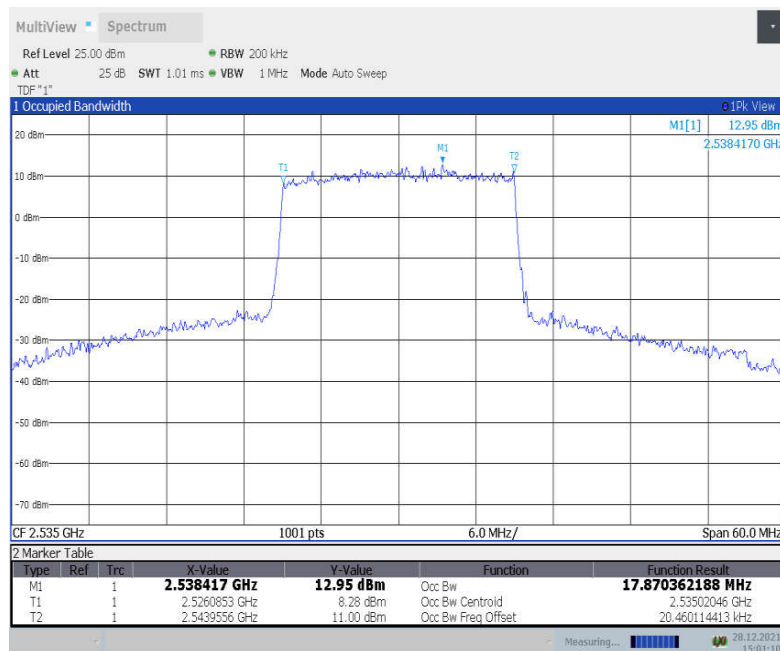
**LTE band 7, 20MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |          |          |
|----------------|----------------------------------|----------|----------|
| 2535.0         | QPSK                             | 16QAM    | 64QAM    |
|                | 17889.24                         | 17870.36 | 17824.51 |

**LTE band 7, 20MHz Bandwidth, QPSK (99% BW)**



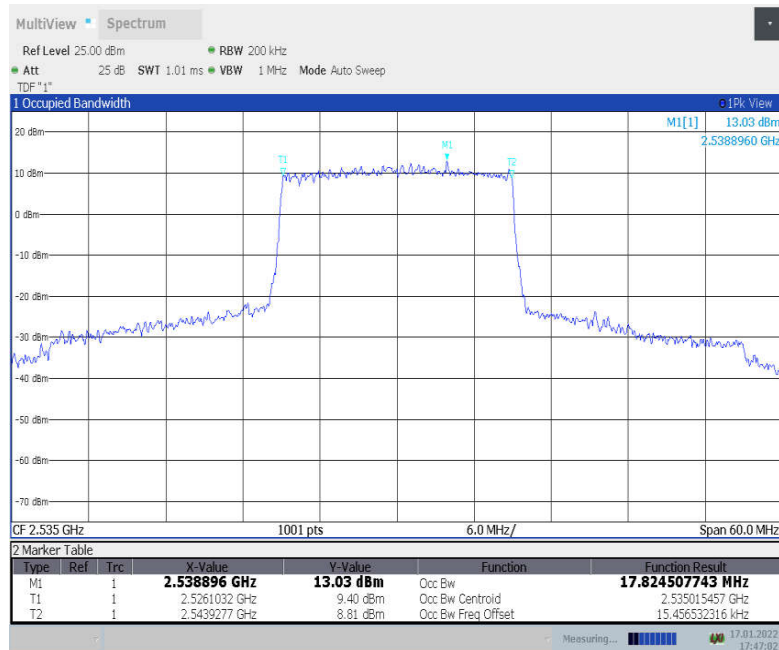
**LTE band 7, 20MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 7, 20MHz Bandwidth, 64QAM (99% BW)**



Note: Expanded measurement uncertainty is  $U = 3428\text{Hz}$ ,  $k = 2$

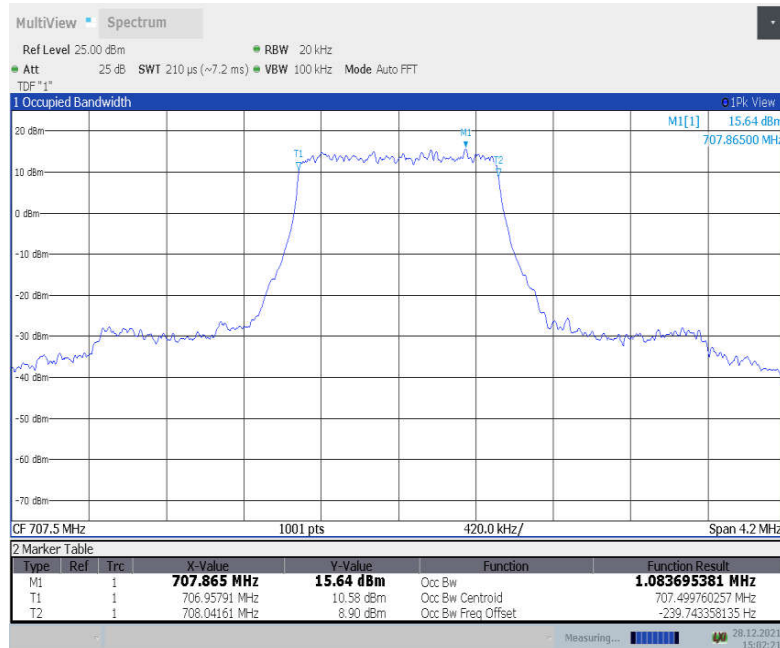


No. I21N04025-RF-LTE

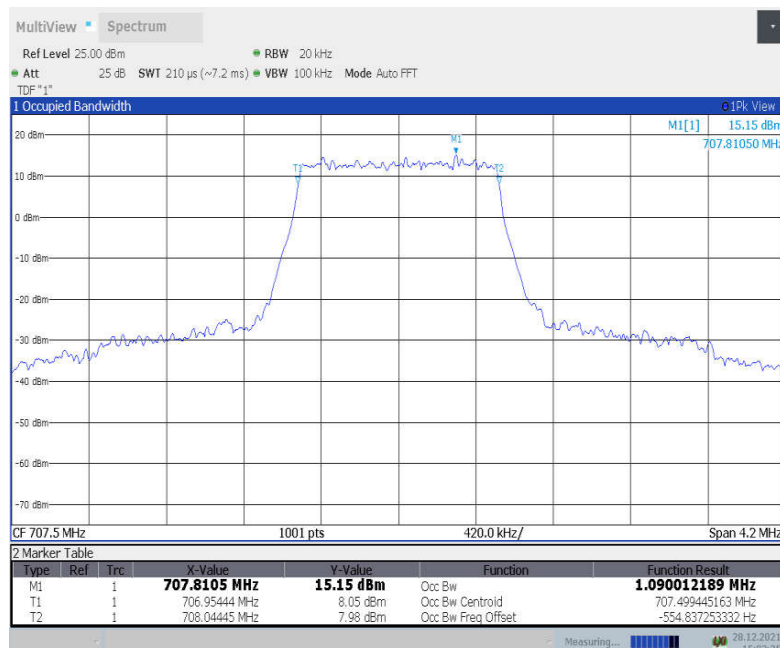
**LTE band 12, 1.4MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 707.5          | QPSK                             | 16QAM   | 64QAM   |
|                | 1083.70                          | 1090.01 | 1085.59 |

**LTE band 12, 1.4MHz Bandwidth, QPSK (99% BW)**



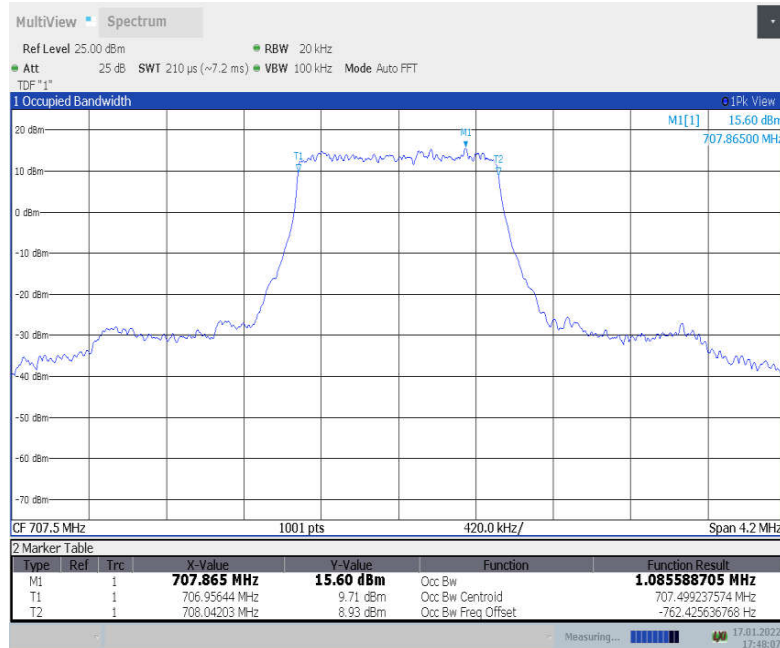
**LTE band 12, 1.4MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 12, 1.4MHz Bandwidth, 64QAM (99% BW)**



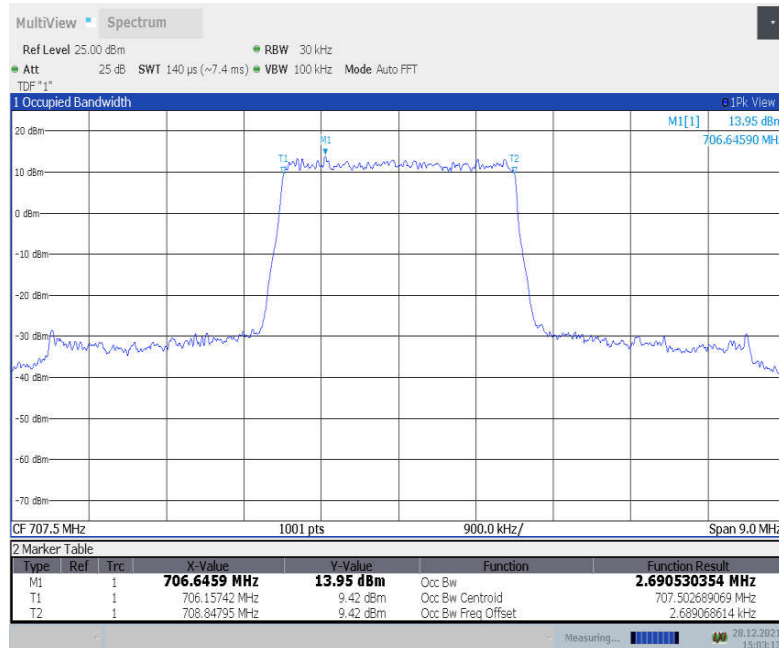


No. I21N04025-RF-LTE

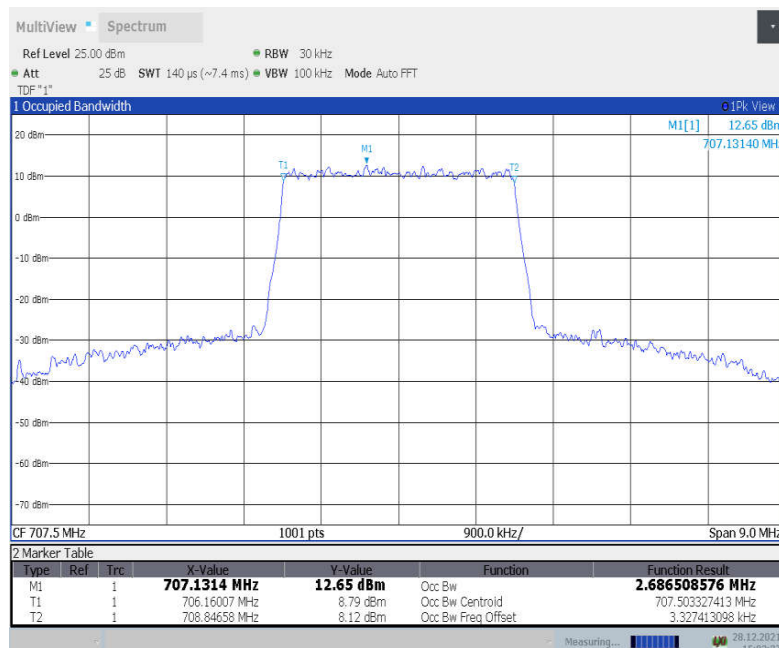
**LTE band 12, 3MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 707.5          | QPSK                             | 16QAM   | 64QAM   |
|                | 2690.53                          | 2686.51 | 2688.98 |

**LTE band 12, 3MHz Bandwidth, QPSK (99% BW)**



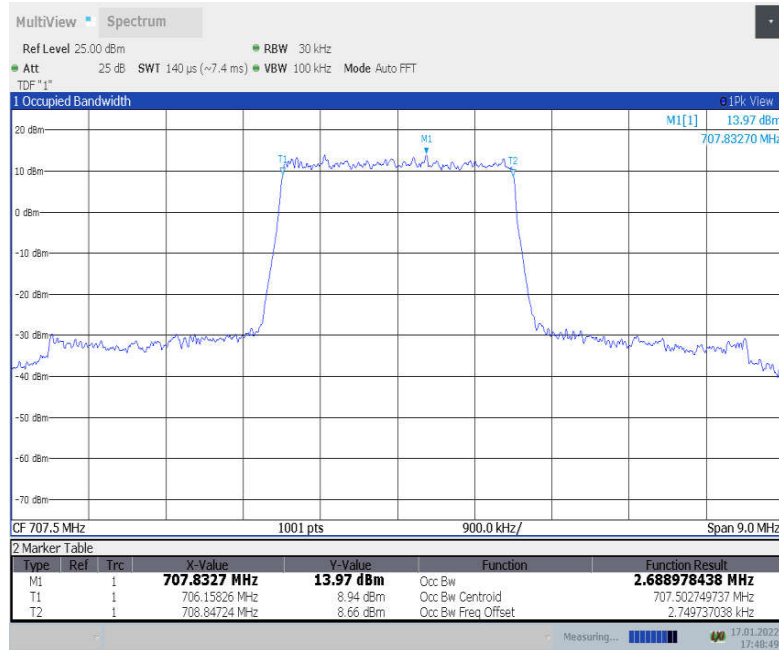
**LTE band 12, 3MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 12, 3MHz Bandwidth, 64QAM (99% BW)**



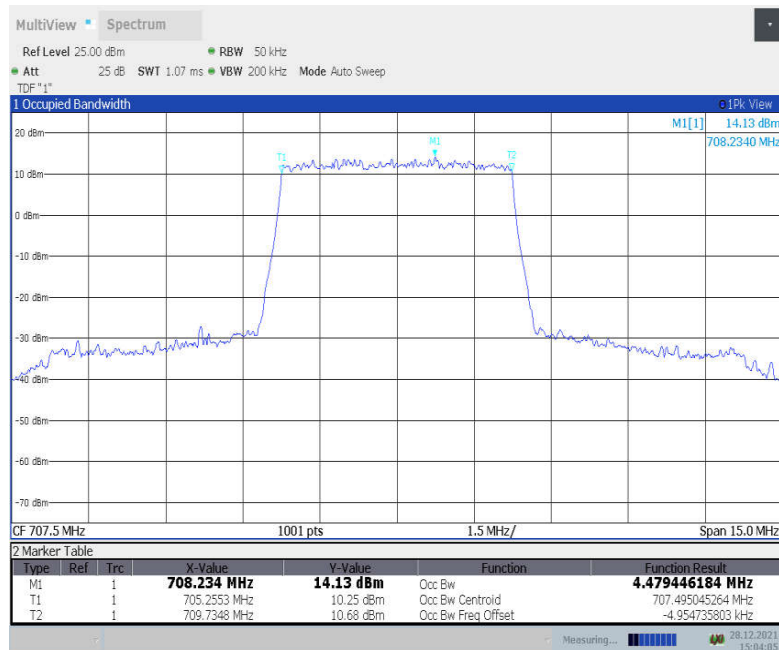


No. I21N04025-RF-LTE

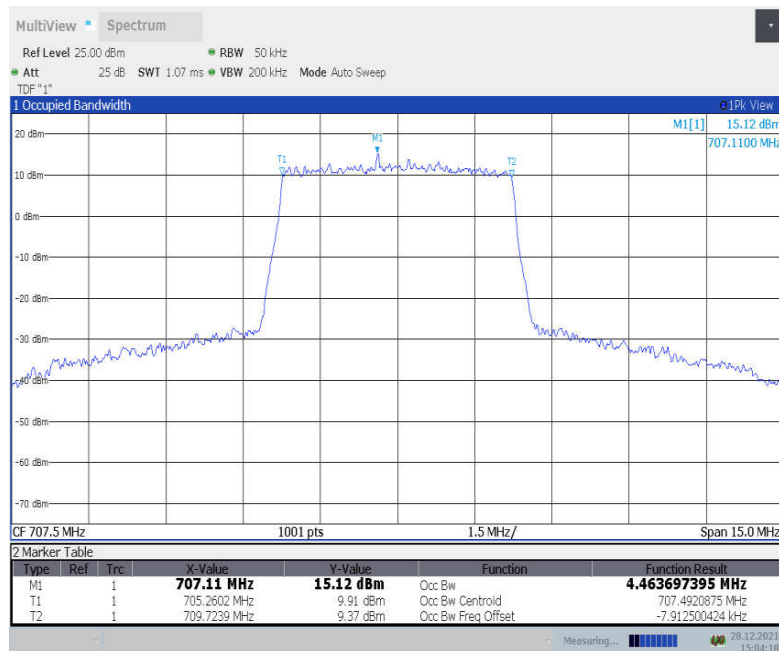
**LTE band 12, 5MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 707.5          | QPSK                             | 16QAM   | 64QAM   |
|                | 4479.45                          | 4463.70 | 4481.18 |

**LTE band 12, 5MHz Bandwidth, QPSK (99% BW)**



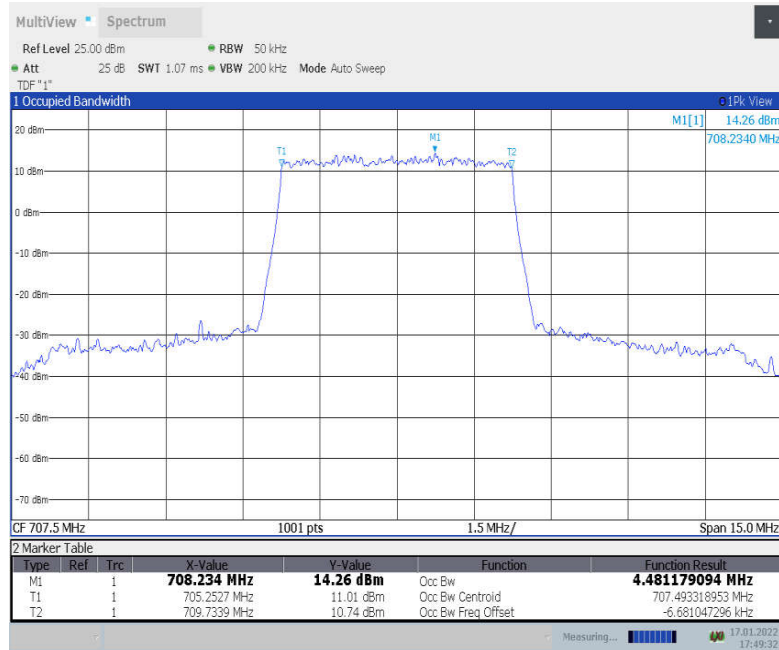
**LTE band 12, 5MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 12, 5MHz Bandwidth,64QAM (99% BW)**



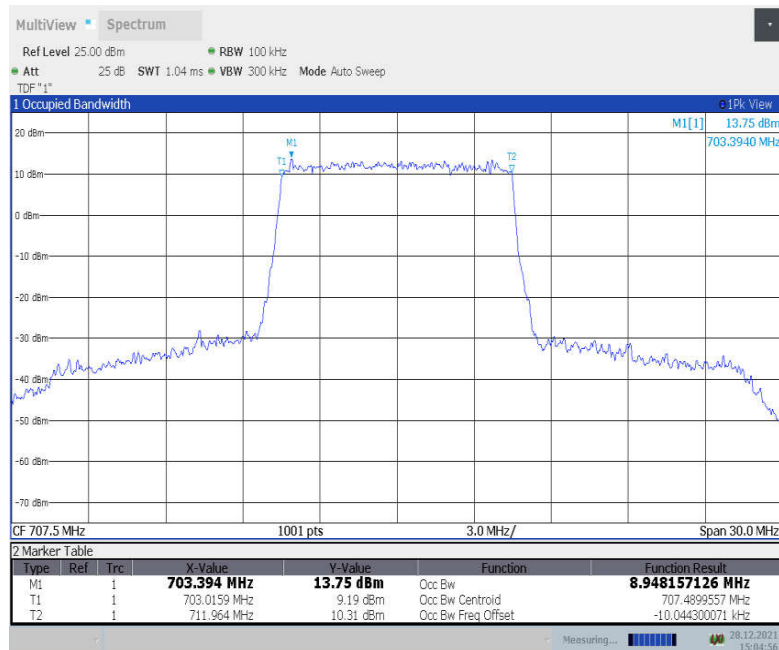


No. I21N04025-RF-LTE

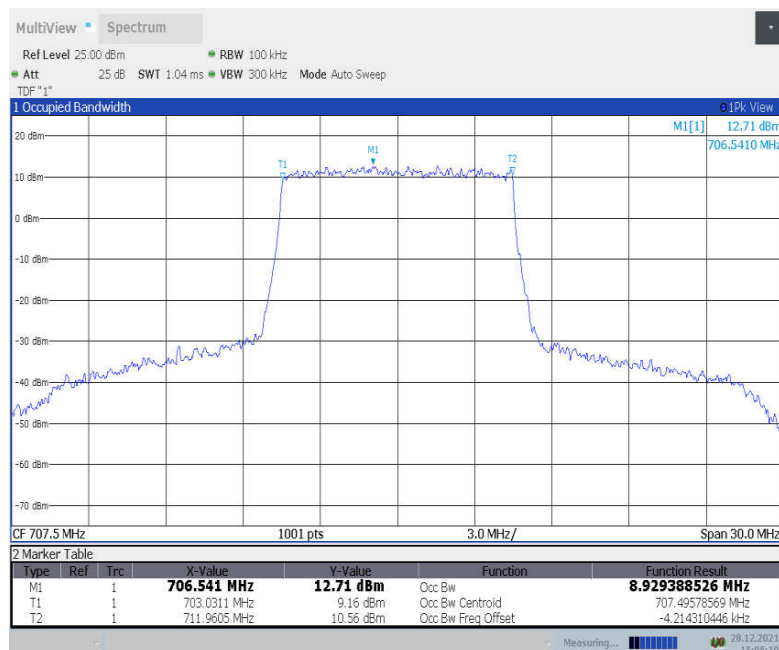
**LTE band 12, 10MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 707.5          | QPSK                             | 16QAM   | 64QAM   |
|                | 8948.16                          | 8929.39 | 8942.37 |

**LTE band 12, 10MHz Bandwidth, QPSK (99% BW)**



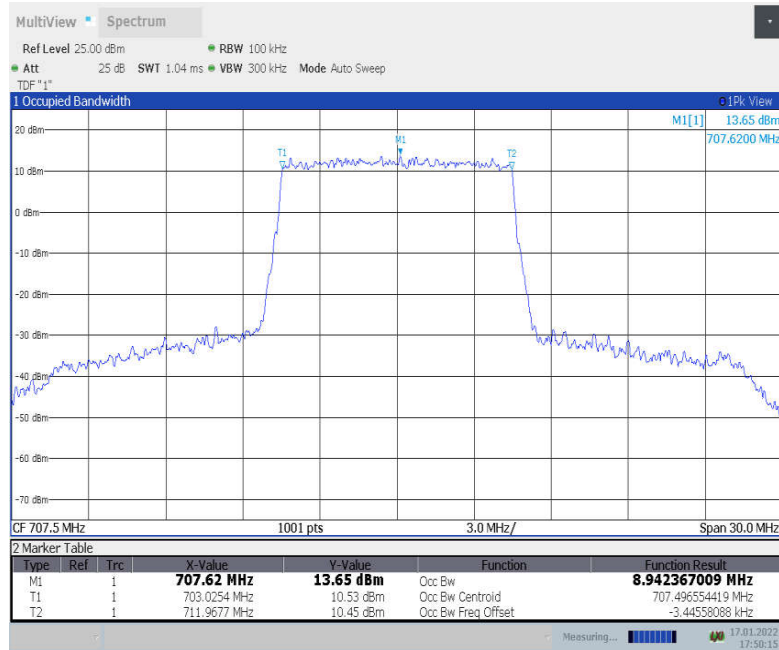
**LTE band 12, 10MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 12, 10MHz Bandwidth, 64QAM (99% BW)**



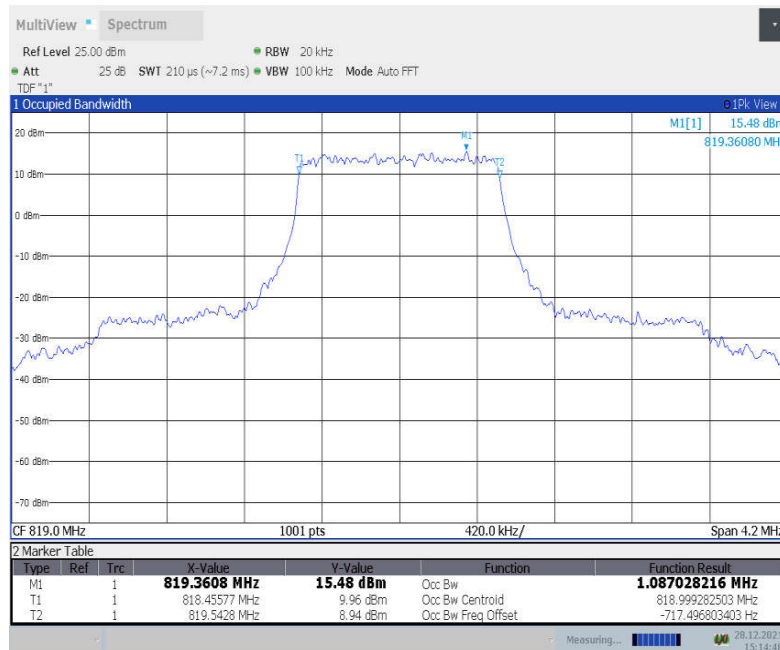


No. I21N04025-RF-LTE

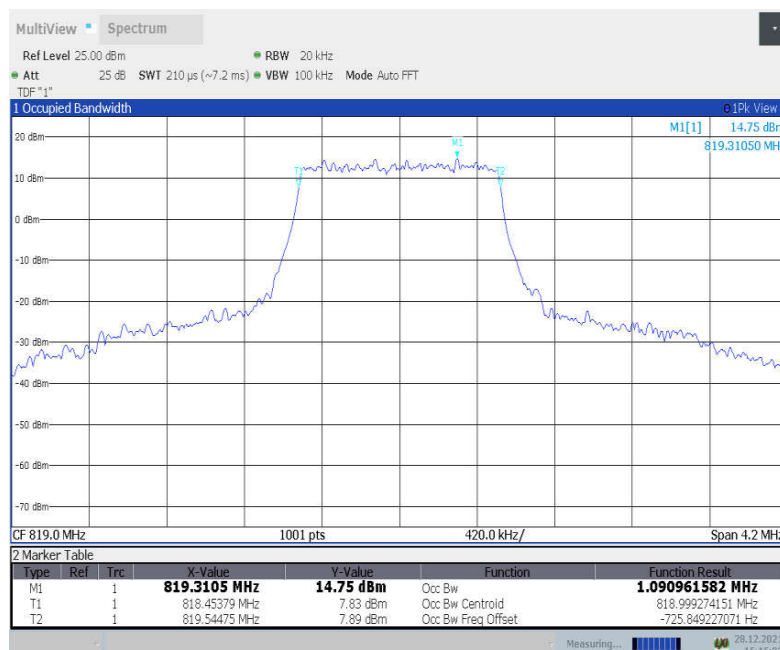
**LTE band 26(814MHz-824MHz ), 1.4MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 819.0          | QPSK                             | 16QAM   | 64QAM   |
|                | 1087.03                          | 1090.96 | 1086.53 |

**LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, QPSK (99% BW)**



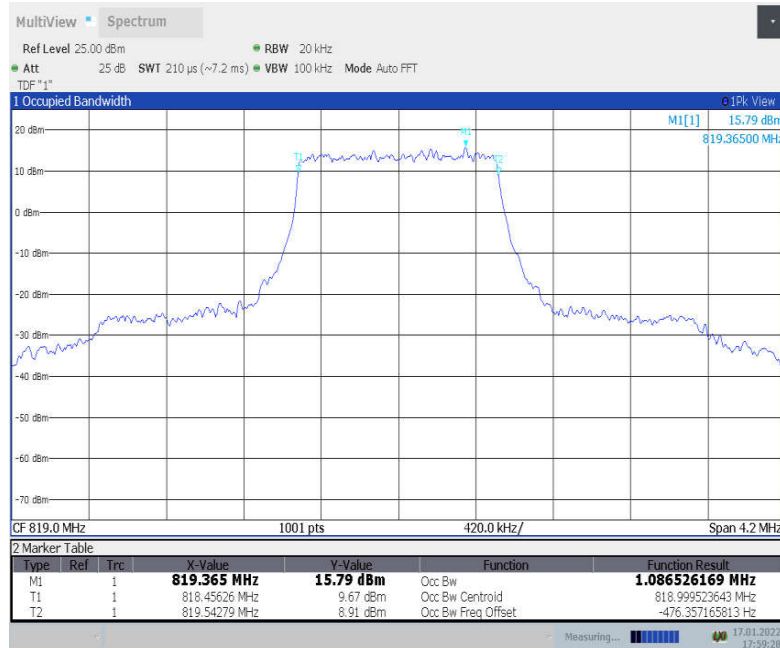
**LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, 16QAM (99% BW)**





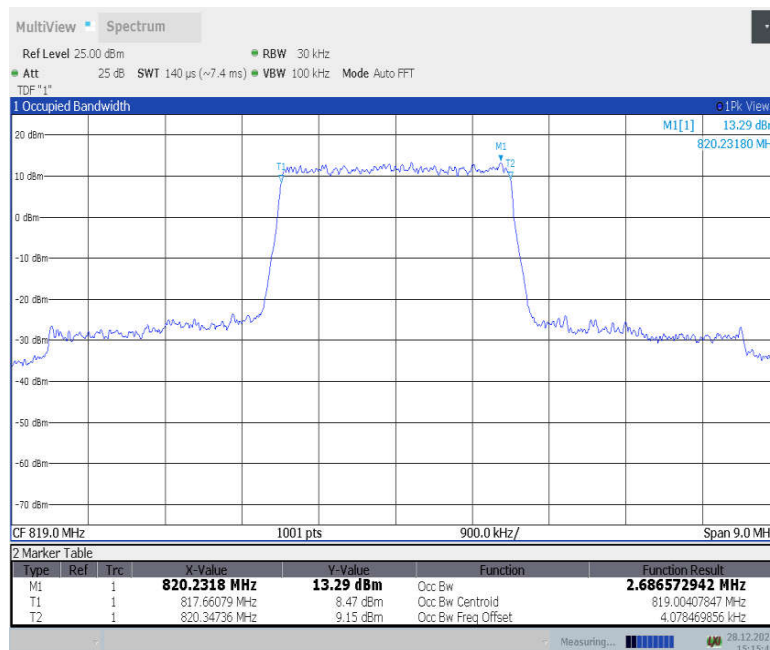
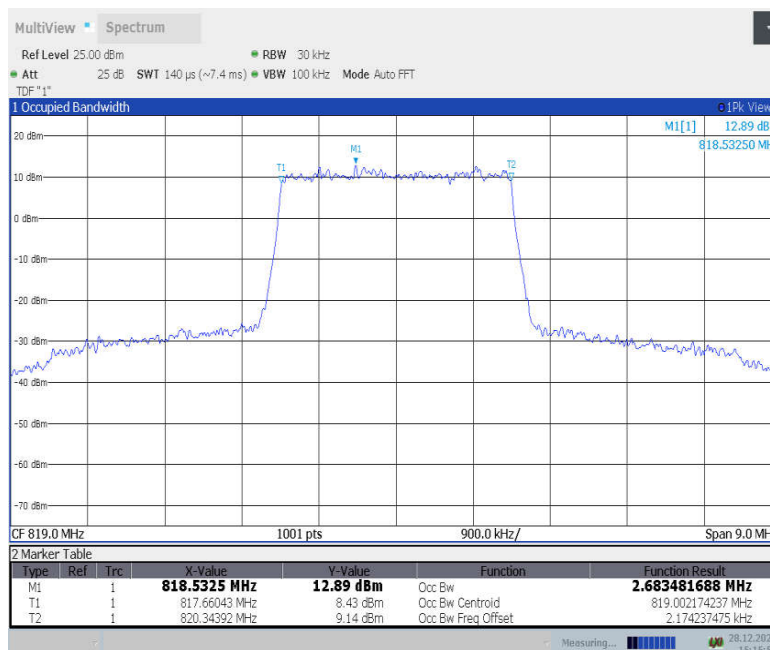
No. I21N04025-RF-LTE

**LTE band 26(814MHz-824MHz), 1.4MHz Bandwidth, 64QAM (99% BW)**



**LTE band 26(814MHz-824MHz), 3MHz (99% BW)**

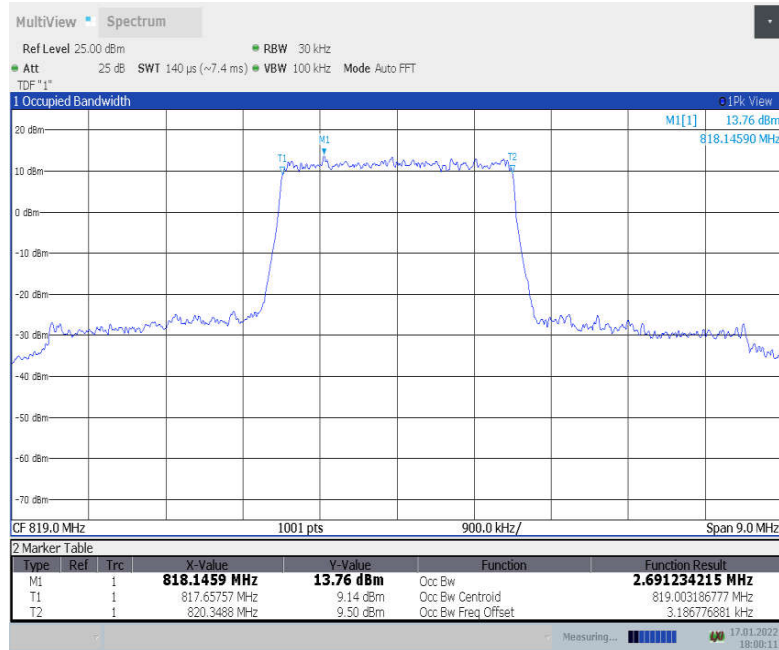
| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 819.0          | QPSK                             | 16QAM   | 64QAM   |
|                | 2686.57                          | 2683.48 | 2691.23 |

**LTE band 26(814MHz-824MHz), 3MHz Bandwidth, QPSK (99% BW)**

**LTE band 26(814MHz-824MHz), 3MHz Bandwidth, 16QAM (99% BW)**




No. I21N04025-RF-LTE

**LTE band 26(814MHz-824MHz), 3MHz Bandwidth, 64QAM (99% BW)**



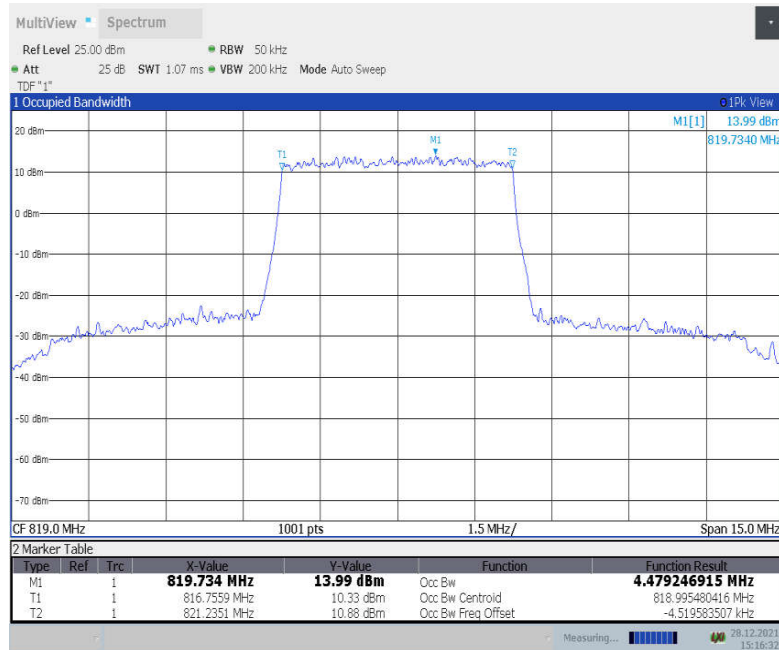


No. I21N04025-RF-LTE

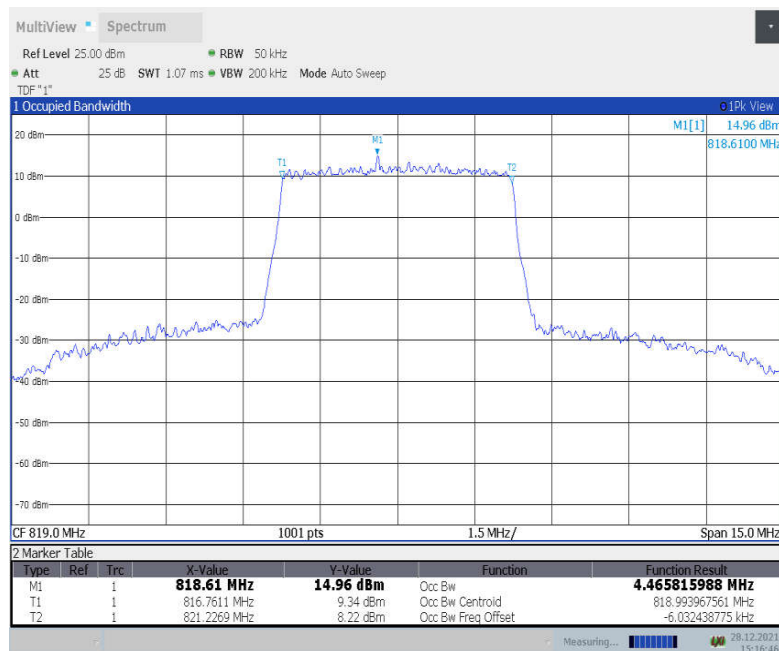
**LTE band 26(814MHz-824MHz), 5MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 819.0          | QPSK                             | 16QAM   | 64QAM   |
|                | 4479.25                          | 4465.82 | 4481.07 |

**LTE band 26(814MHz-824MHz), 5MHz Bandwidth, QPSK (99% BW)**



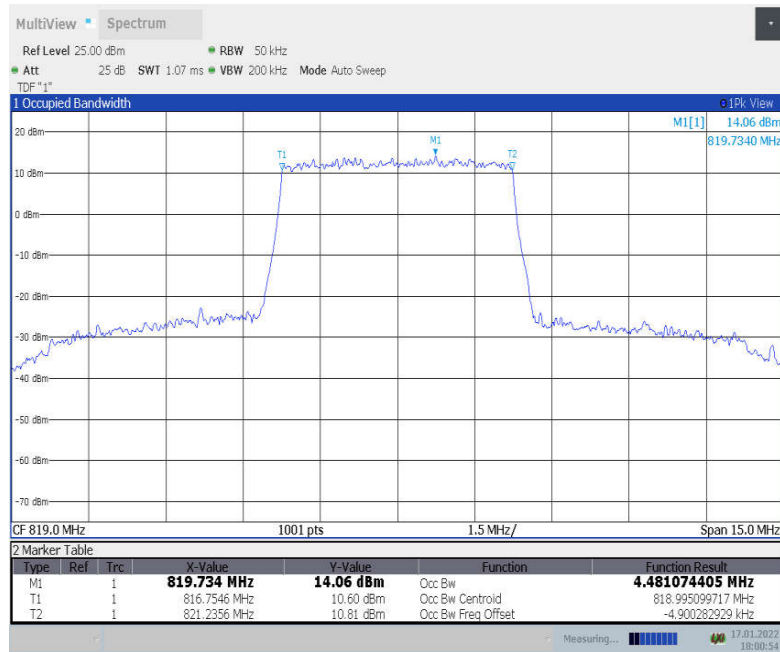
**LTE band 26(814MHz-824MHz), 5MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

LTE band 26(814MHz-824MHz), 5MHz Bandwidth,64QAM (99% BW)



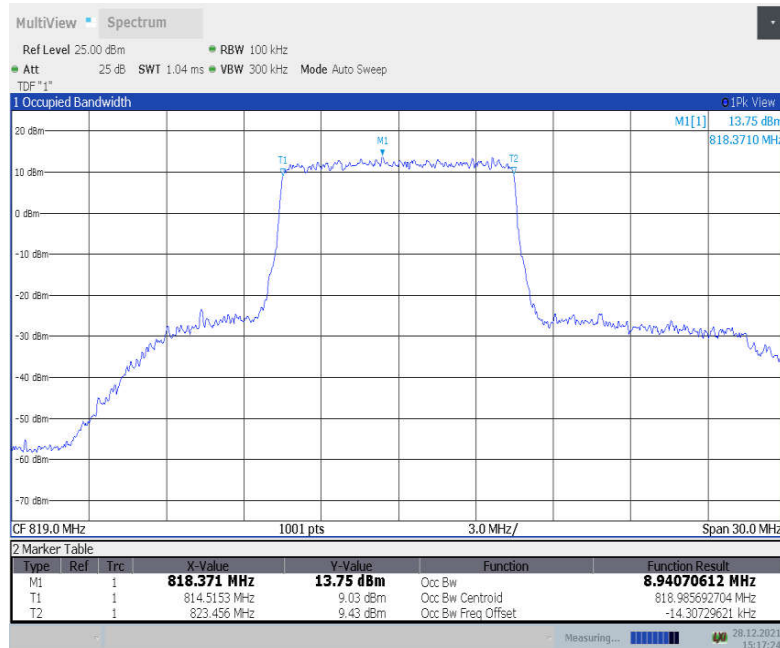


No. I21N04025-RF-LTE

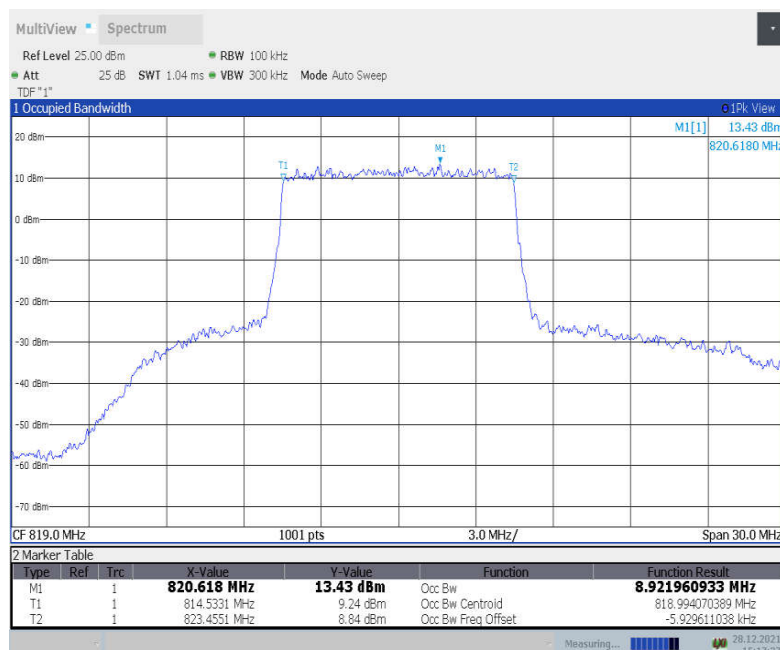
**LTE band 26(814MHz-824MHz), 10MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 819.0          | QPSK                             | 16QAM   | 64QAM   |
|                | 8940.71                          | 8921.96 | 8941.92 |

**LTE band 26(814MHz-824MHz), 10MHz Bandwidth, QPSK (99% BW)**



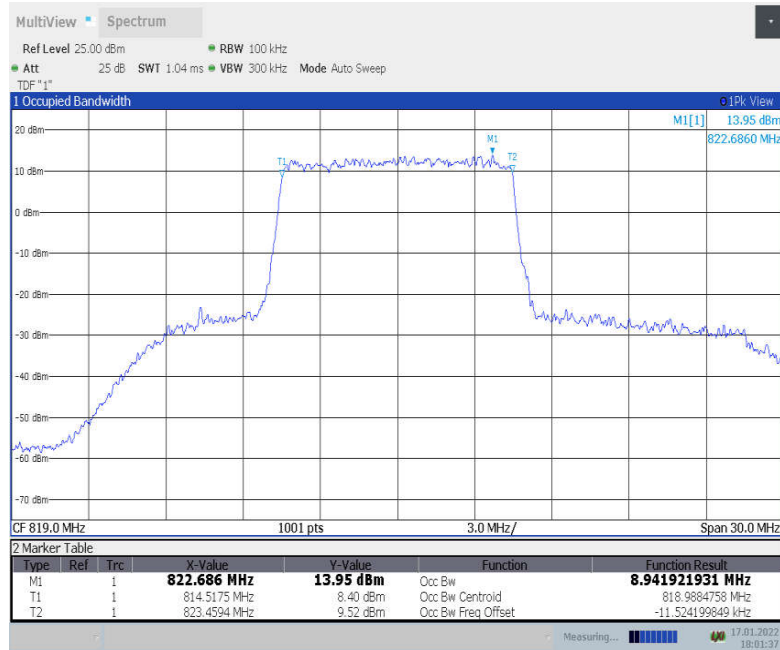
**LTE band 26(814MHz-824MHz), 10MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

LTE band 26(814MHz-824MHz), 10MHz Bandwidth, 64QAM (99% BW)



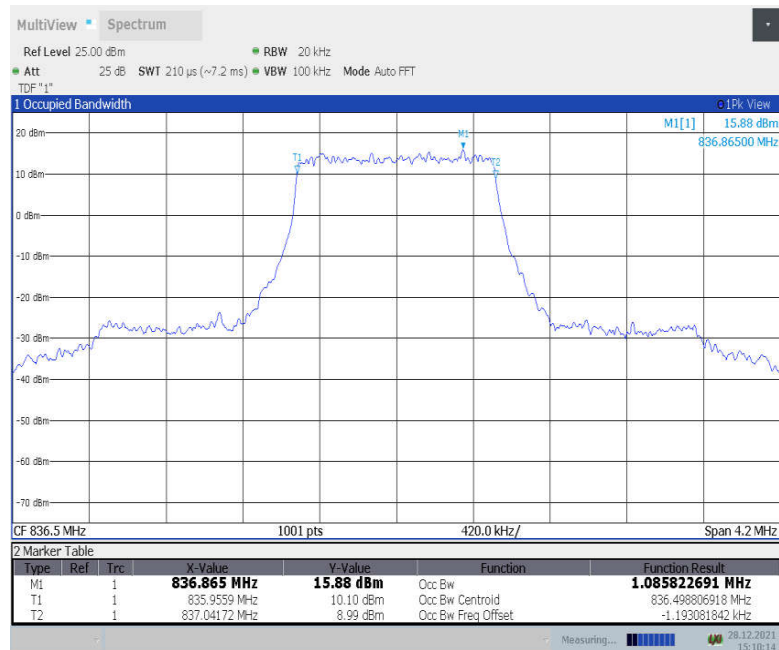


No. I21N04025-RF-LTE

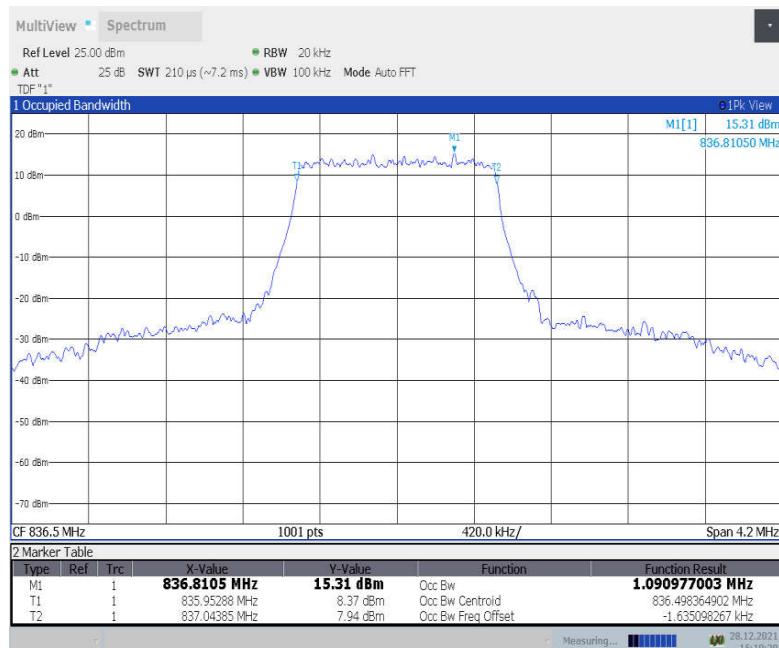
**LTE band 26(824MHz-849MHz), 1.4MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 836.5          | QPSK                             | 16QAM   | 64QAM   |
|                | 1085.82                          | 1090.98 | 1086.09 |

**LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, QPSK (99% BW)**



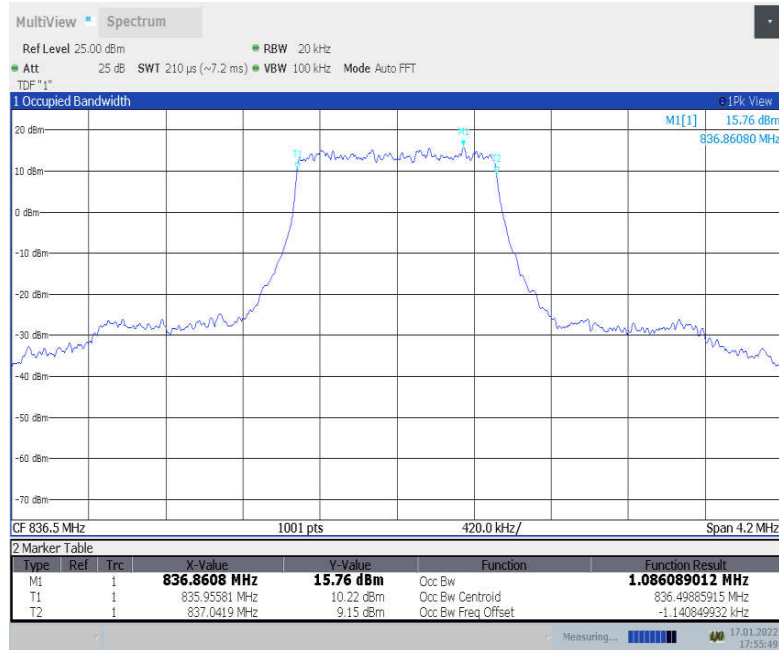
**LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 26(824MHz-849MHz), 1.4MHz Bandwidth, 64QAM (99% BW)**



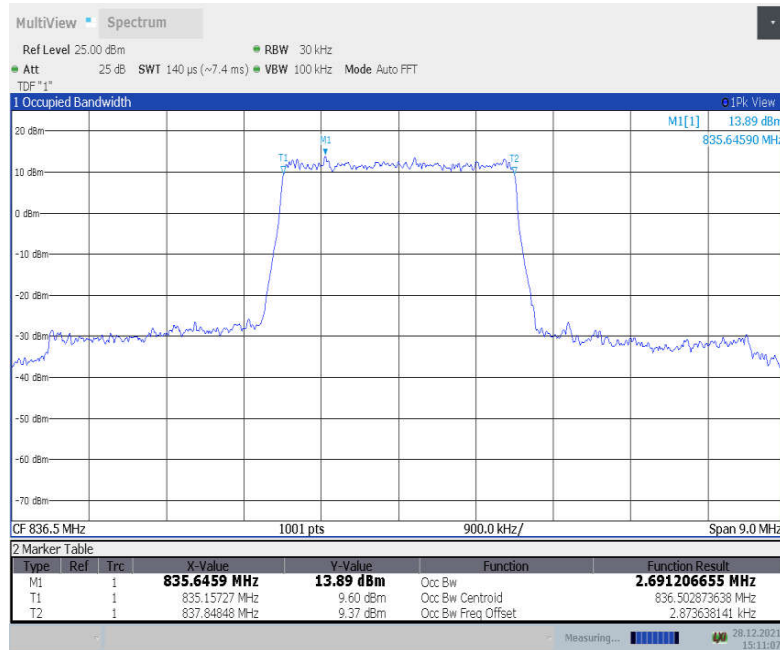


No. I21N04025-RF-LTE

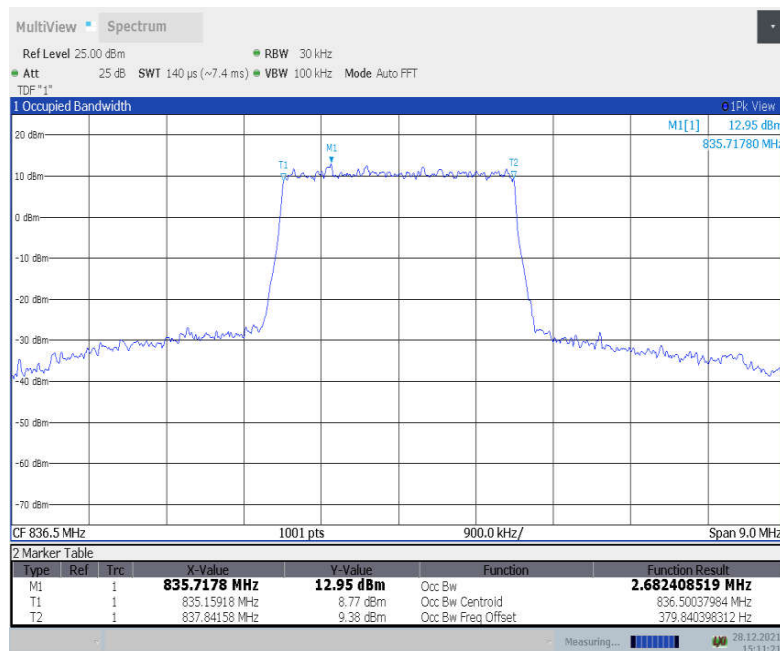
**LTE band 26(824MHz-849MHz), 3MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 836.5          | QPSK                             | 16QAM   | 64QAM   |
|                | 2691.21                          | 2682.41 | 2692.31 |

**LTE band 26(824MHz-849MHz), 3MHz Bandwidth, QPSK (99% BW)**



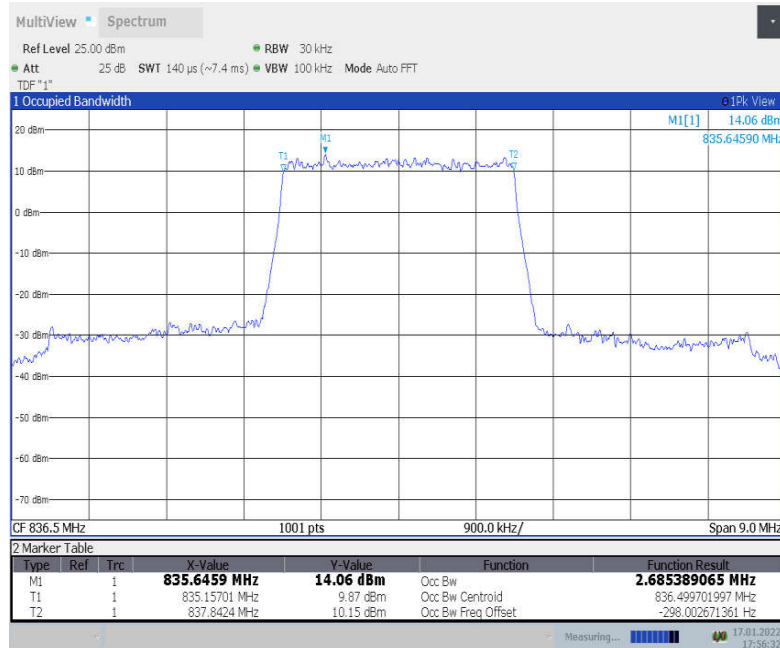
**LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 26(824MHz-849MHz), 3MHz Bandwidth, 64QAM (99% BW)**



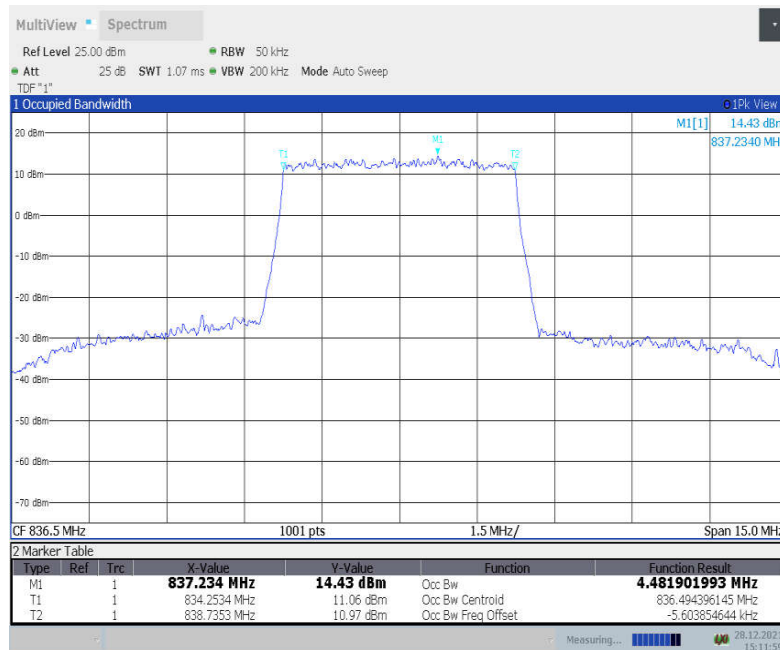


No. I21N04025-RF-LTE

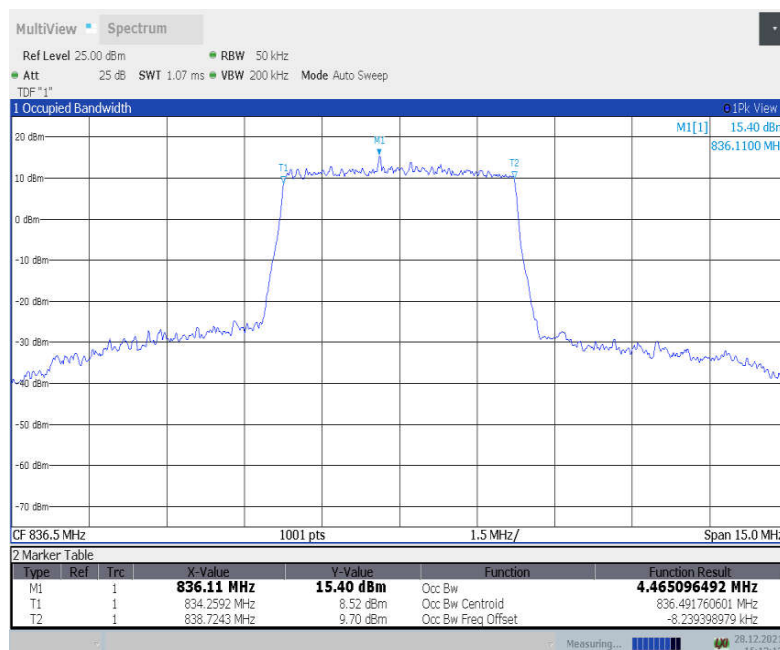
**LTE band 26(824MHz-849MHz), 5MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 836.5          | QPSK                             | 16QAM   | 64QAM   |
|                | 4481.90                          | 4465.10 | 4480.44 |

**LTE band 26(824MHz-849MHz), 5MHz Bandwidth, QPSK (99% BW)**



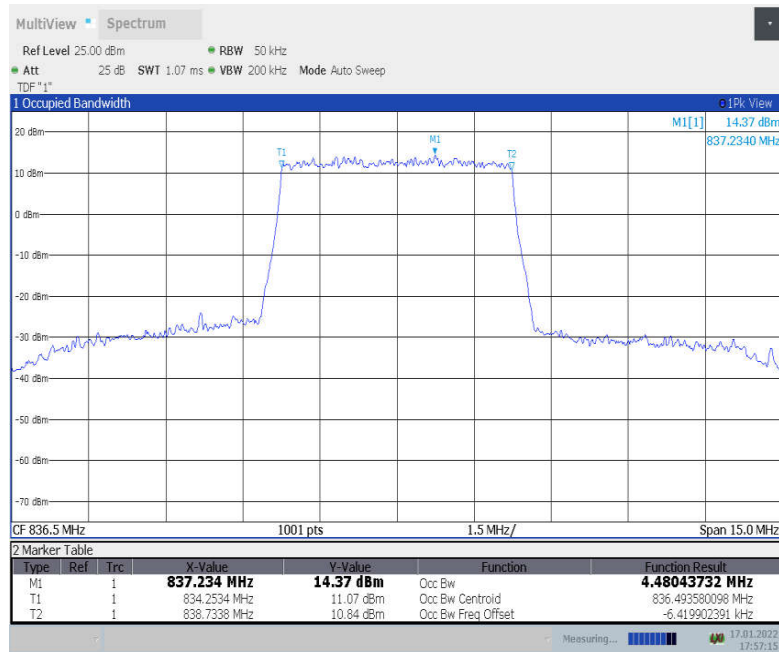
**LTE band 26(824MHz-849MHz), 5MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 26(824MHz-849MHz), 5MHz Bandwidth,64QAM (99% BW)**



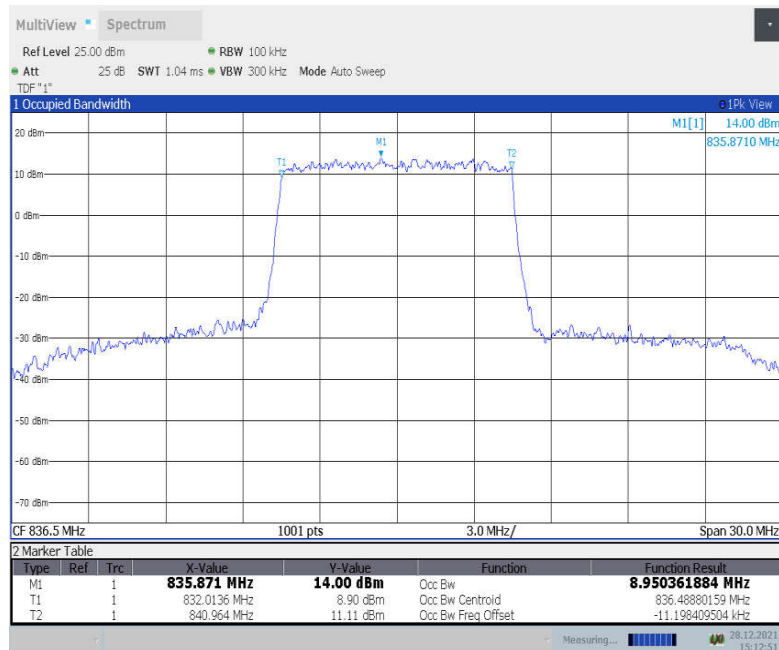


No. I21N04025-RF-LTE

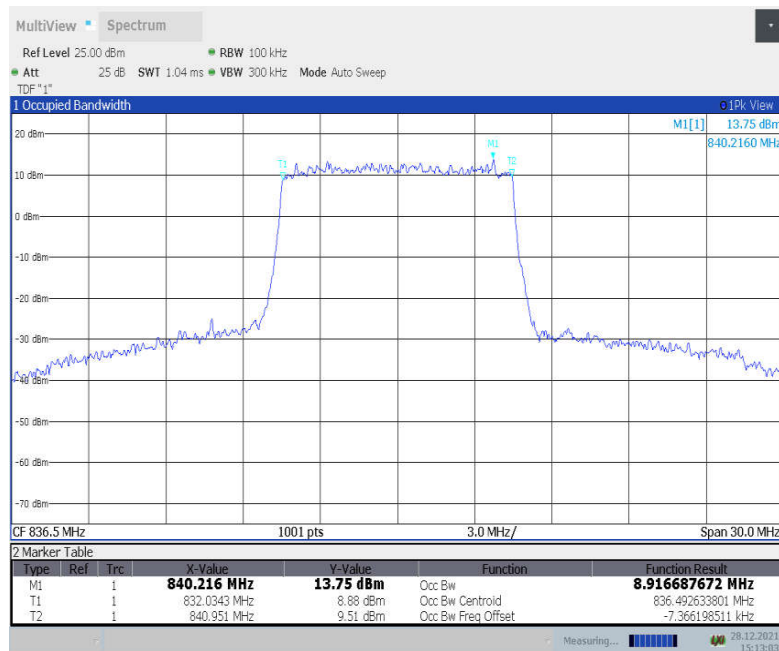
**LTE band 26(824MHz-849MHz), 10MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 836.5          | QPSK                             | 16QAM   | 64QAM   |
|                | 8950.36                          | 8916.69 | 8946.58 |

**LTE band 26(824MHz-849MHz), 10MHz Bandwidth, QPSK (99% BW)**



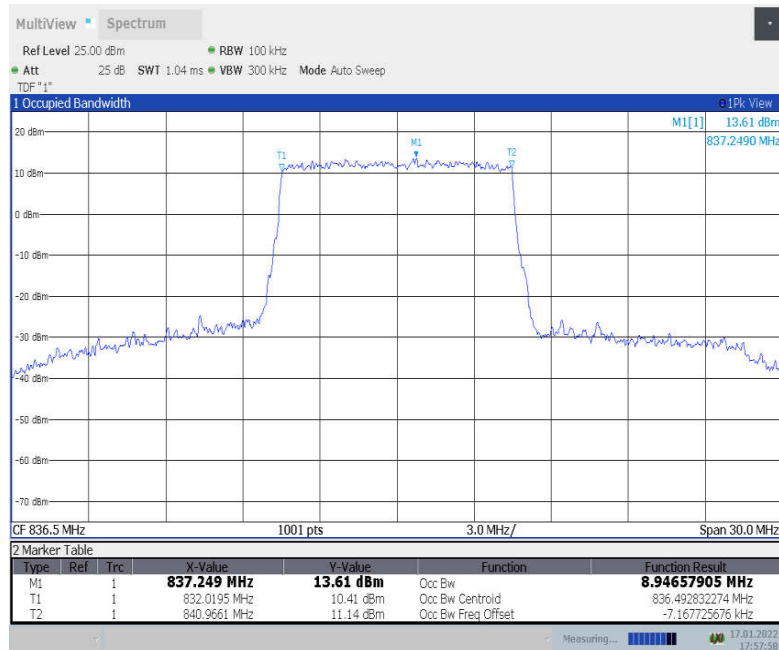
**LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

LTE band 26(824MHz-849MHz), 10MHz Bandwidth, 64QAM (99% BW)



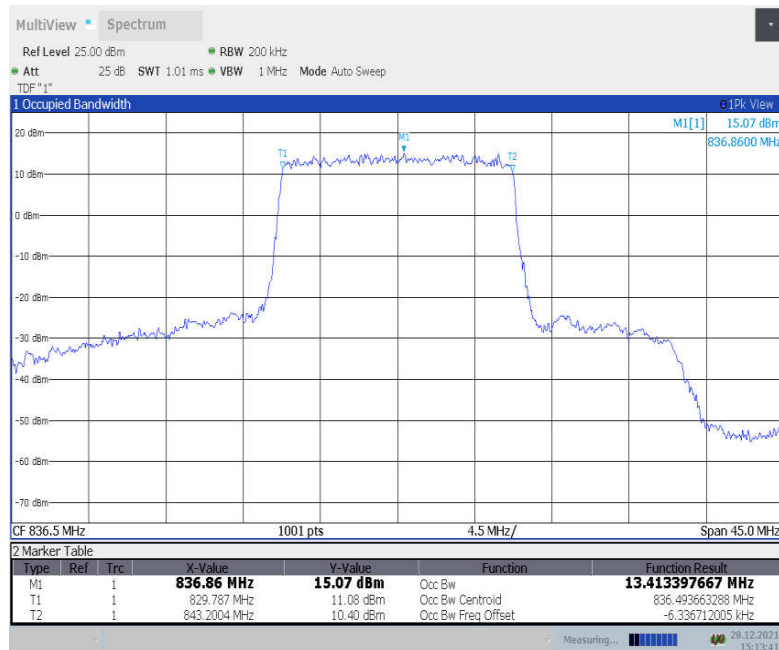


No. I21N04025-RF-LTE

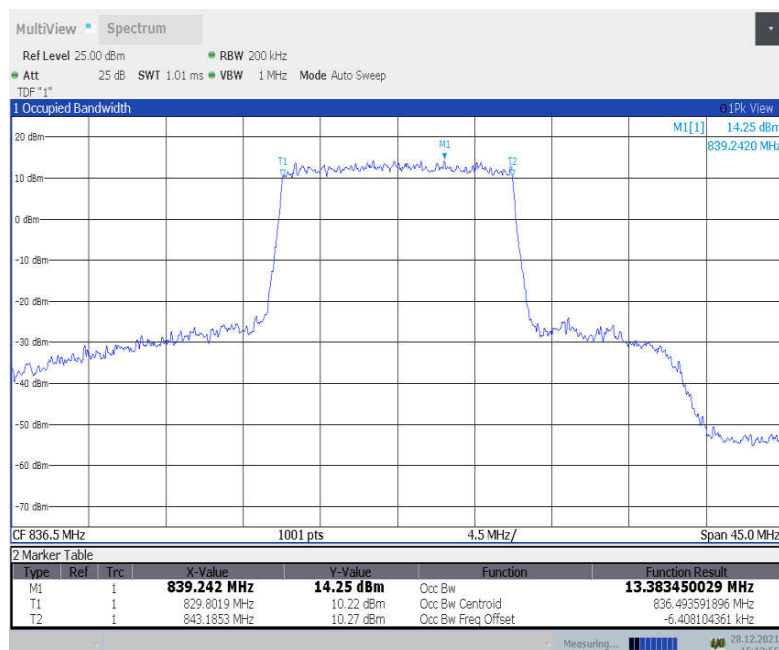
**LTE band 26(824MHz-849MHz), 15MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |          |          |
|----------------|----------------------------------|----------|----------|
| 836.5          | QPSK                             | 16QAM    | 64QAM    |
|                | 13413.40                         | 13383.45 | 13429.42 |

**LTE band 26(824MHz-849MHz), 15MHz Bandwidth, QPSK (99% BW)**



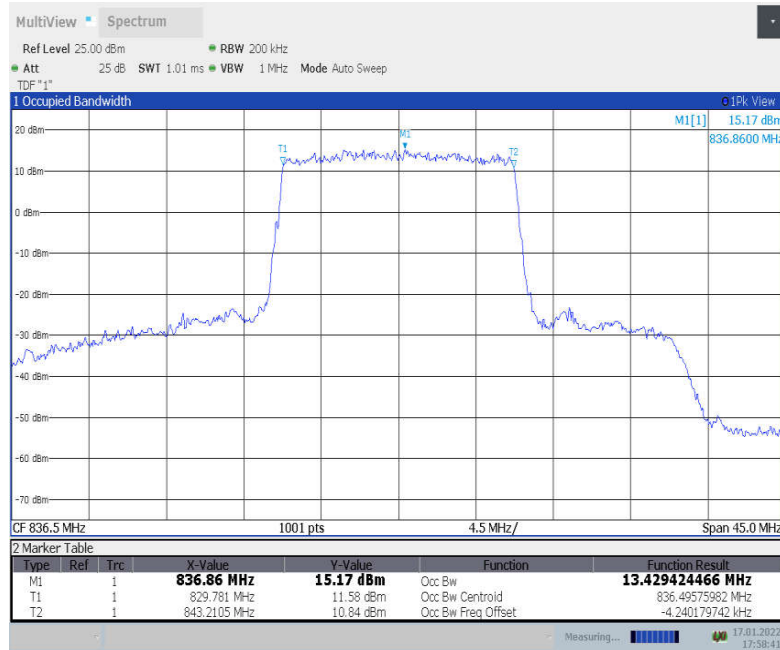
**LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

LTE band 26(824MHz-849MHz), 15MHz Bandwidth, 64QAM (99% BW)

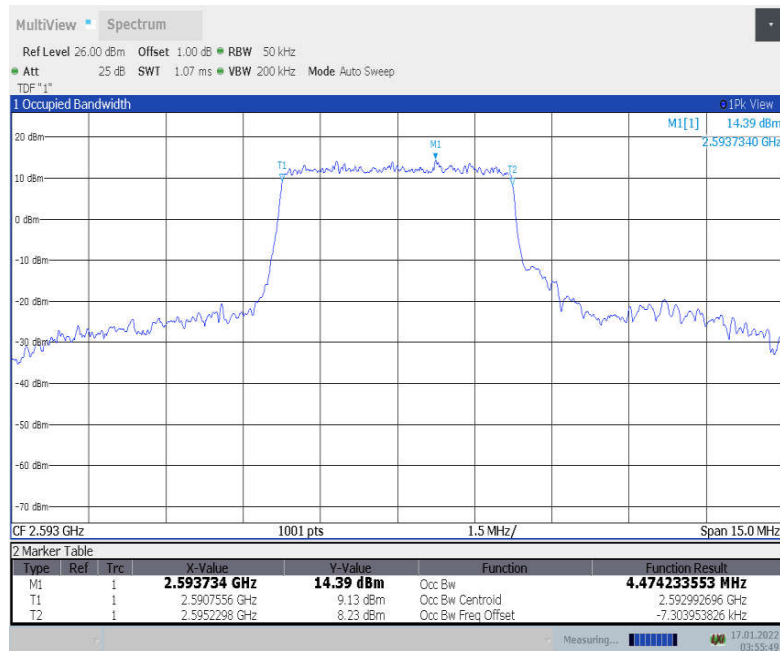




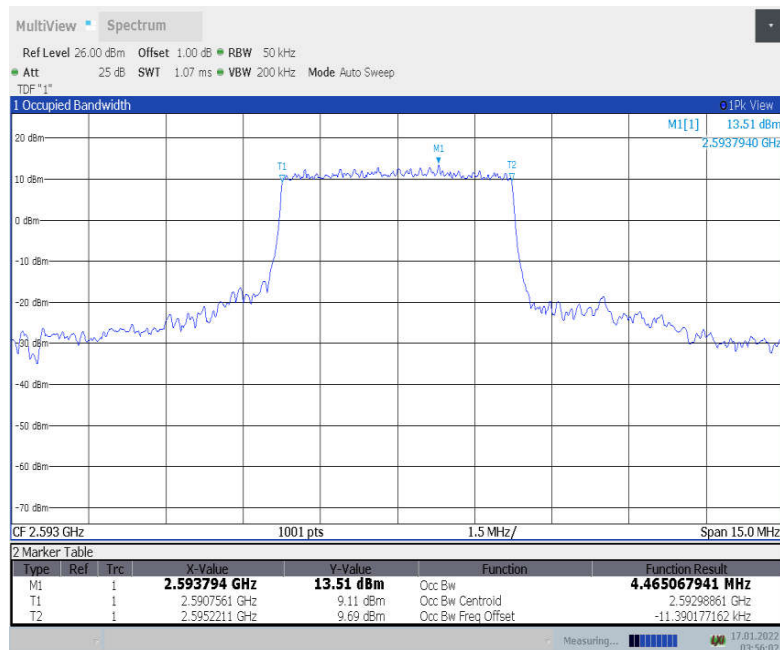
**LTE band 41, 5MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 2593.0         | QPSK                             | 16QAM   | 64QAM   |
|                | 4474.23                          | 4465.07 | 4471.15 |

**LTE band 41, 5MHz Bandwidth, QPSK (99% BW)**



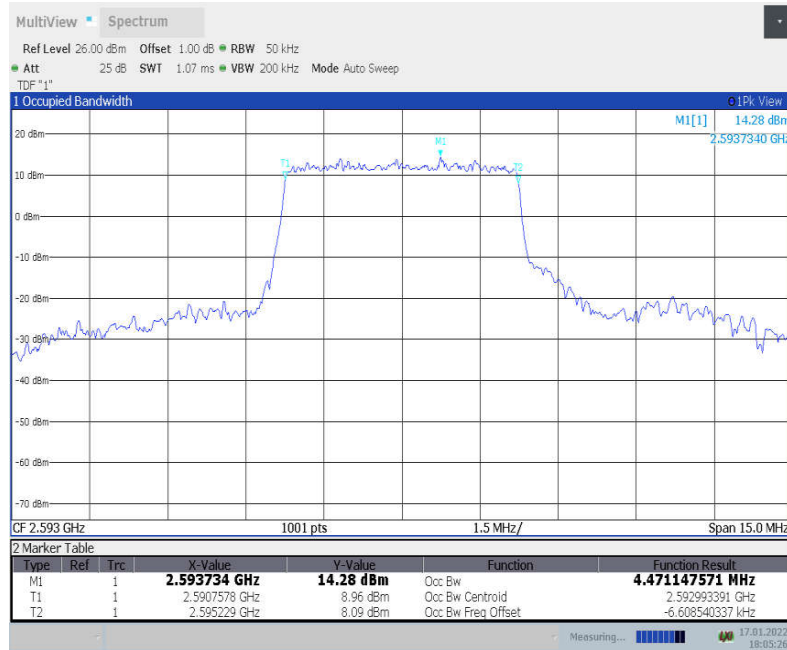
**LTE band 41, 5MHz Bandwidth,16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 41, 5MHz Bandwidth,64QAM (99% BW)**



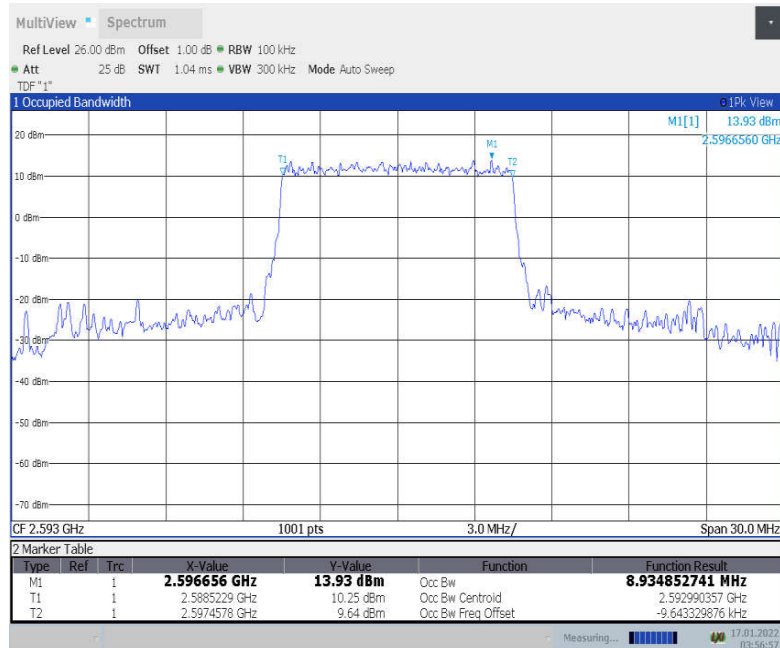


No. I21N04025-RF-LTE

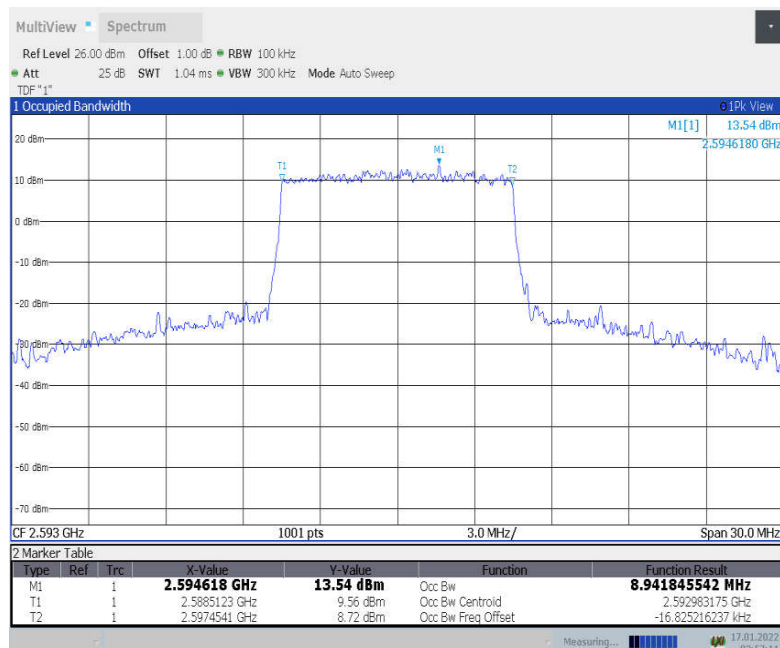
### LTE band 41, 10MHz (99% BW)

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 2593.0         | QPSK                             | 16QAM   | 64QAM   |
|                | 8934.85                          | 8941.85 | 8946.85 |

### LTE band 41, 10MHz Bandwidth, QPSK (99% BW)



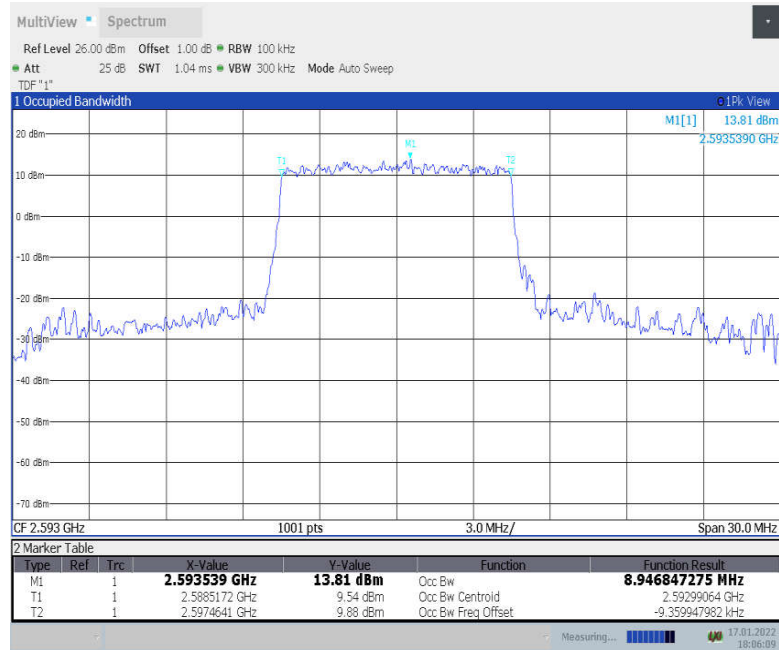
### LTE band 41, 10MHz Bandwidth, 16QAM (99% BW)





No. I21N04025-RF-LTE

**LTE band 41, 10MHz Bandwidth, 64QAM (99% BW)**



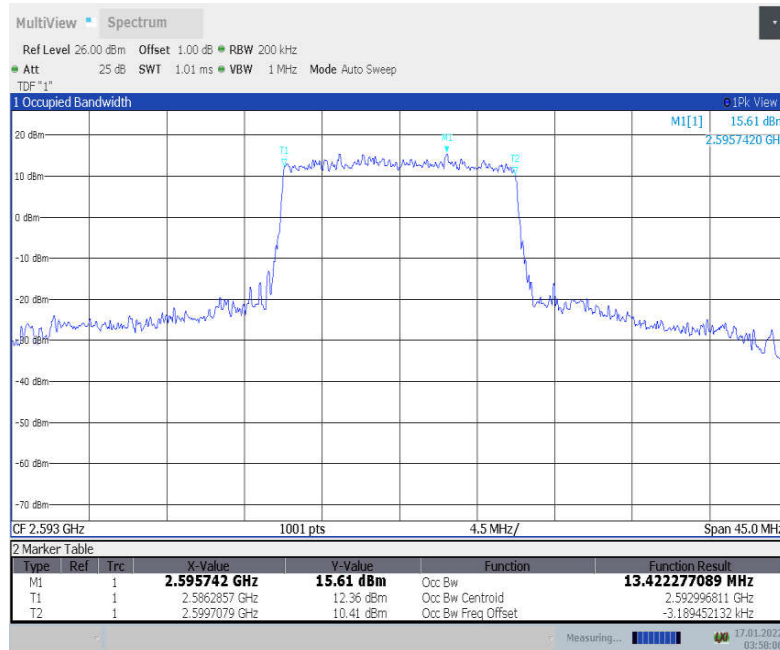


No. I21N04025-RF-LTE

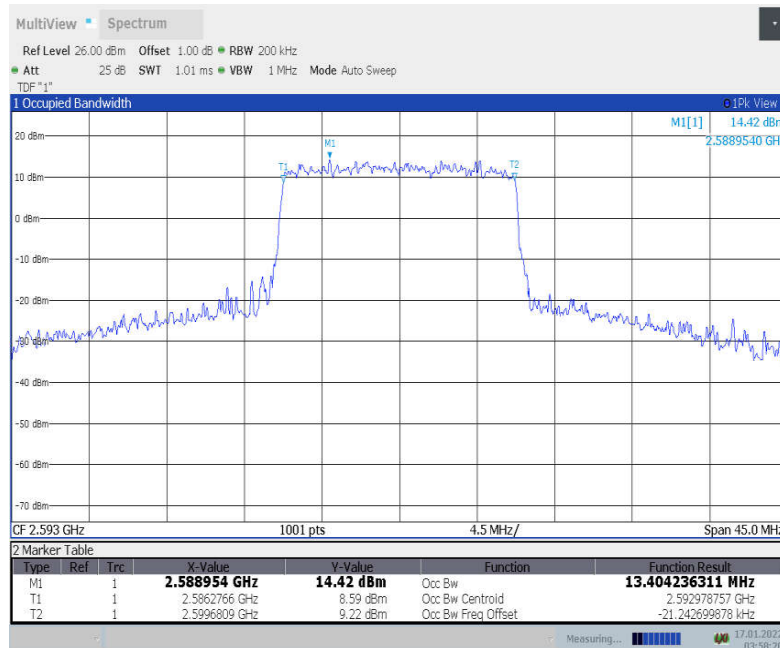
**LTE band 41, 15MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |          |          |
|----------------|----------------------------------|----------|----------|
| 2593.0         | QPSK                             | 16QAM    | 64QAM    |
|                | 13422.28                         | 13404.24 | 13412.38 |

**LTE band 41, 15MHz Bandwidth, QPSK (99% BW)**



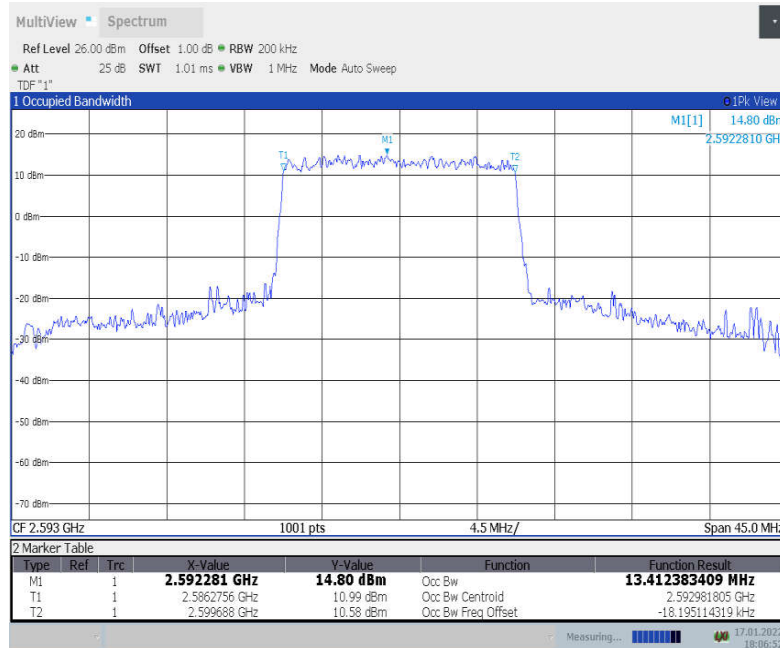
**LTE band 41, 15MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 41, 15MHz Bandwidth, 64QAM (99% BW)**



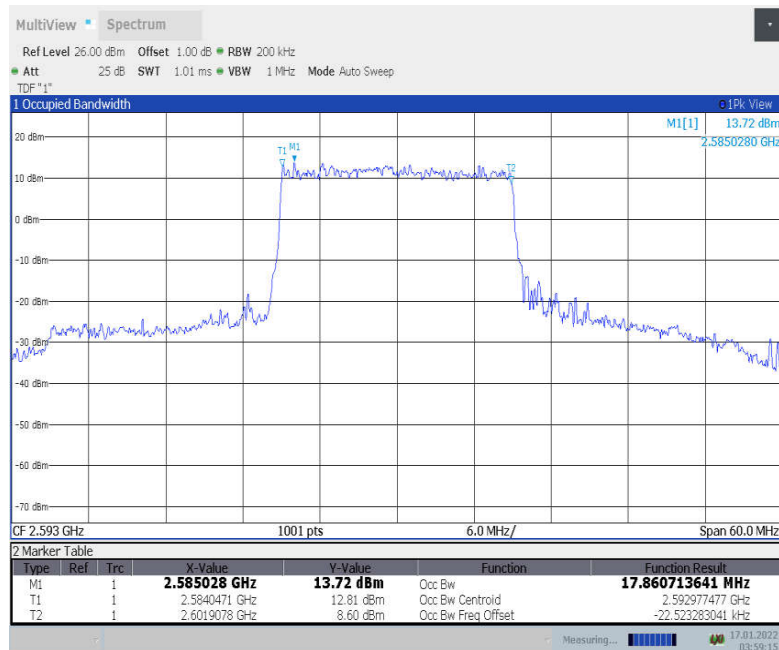


No. I21N04025-RF-LTE

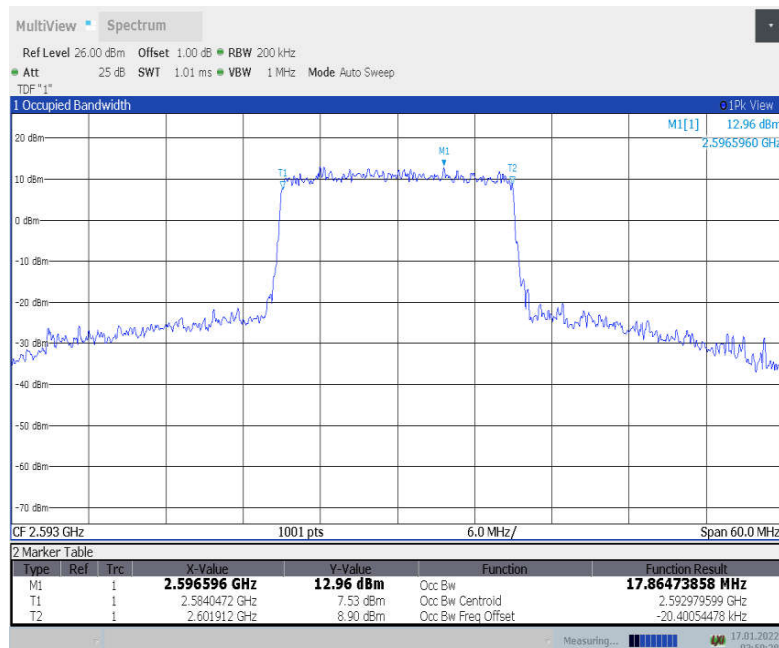
**LTE band 41, 20MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |          |          |
|----------------|----------------------------------|----------|----------|
| 2593.0         | QPSK                             | 16QAM    | 64QAM    |
|                | 17860.71                         | 17864.74 | 17822.38 |

**LTE band 41, 20MHz Bandwidth, QPSK (99% BW)**



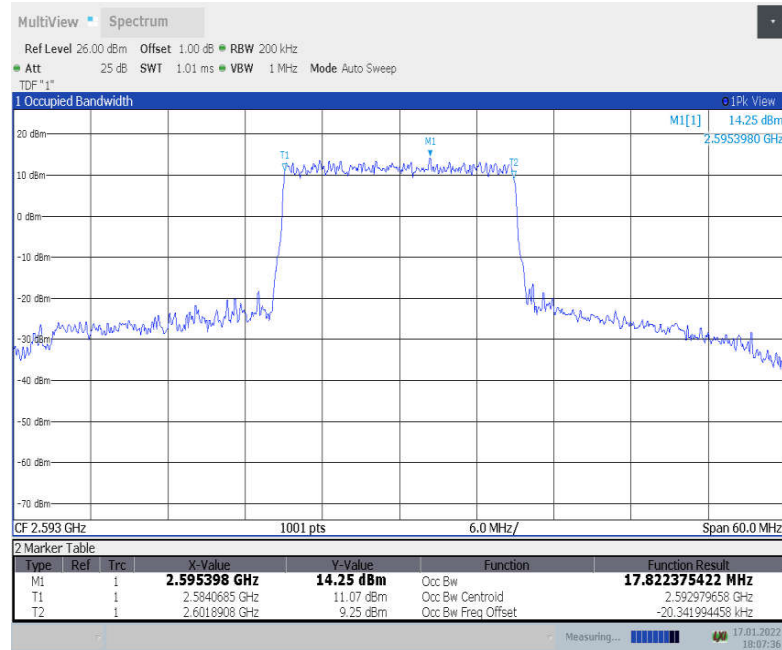
**LTE band 41, 20MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 41, 20MHz Bandwidth, 64QAM (99% BW)**



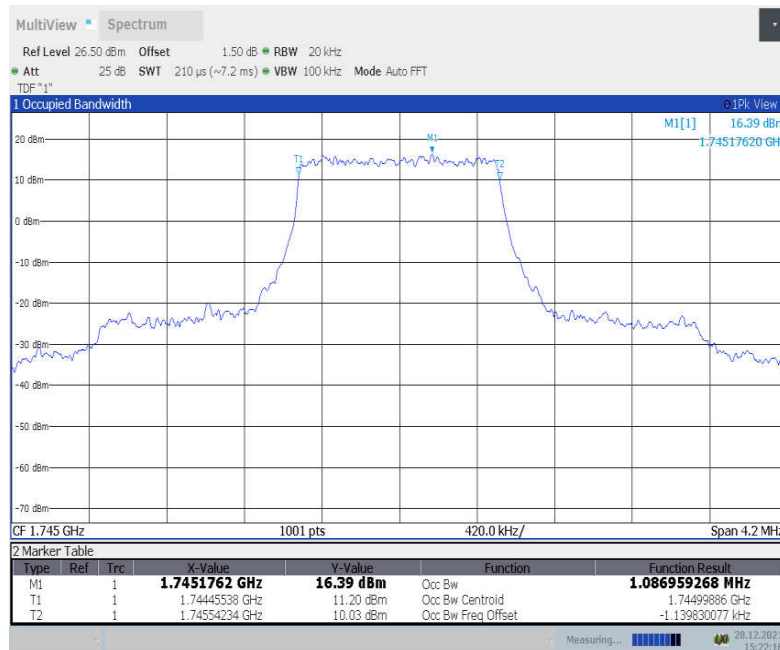


No. I21N04025-RF-LTE

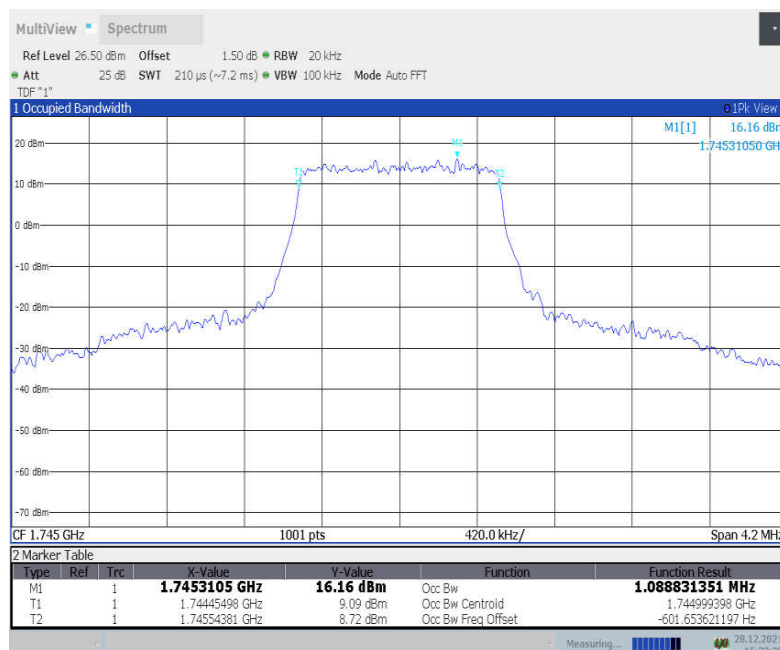
**LTE band 66, 1.4MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 1745.0         | QPSK                             | 16QAM   | 64QAM   |
|                | 1086.96                          | 1088.83 | 1084.72 |

**LTE band 66, 1.4MHz Bandwidth, QPSK (99% BW)**



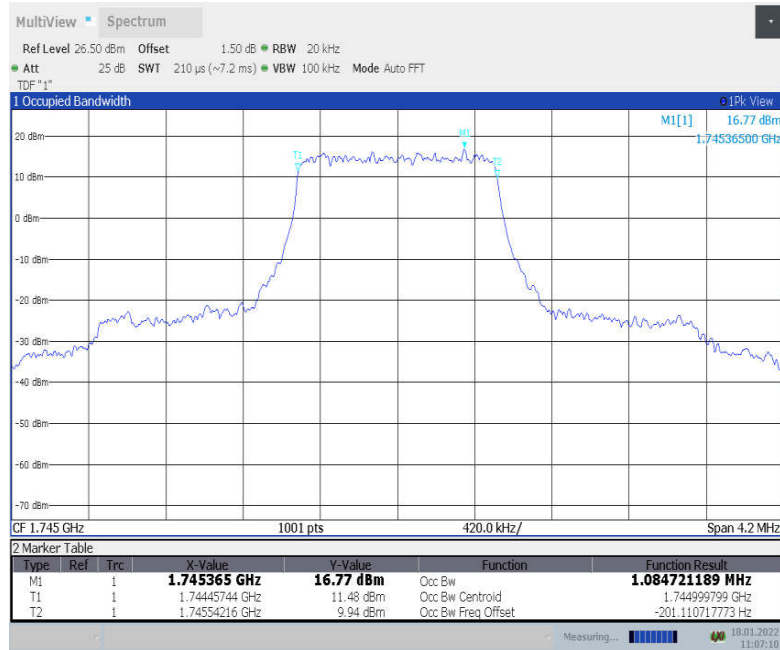
**LTE band 66, 1.4MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 66, 1.4MHz Bandwidth, 64QAM (99% BW)**



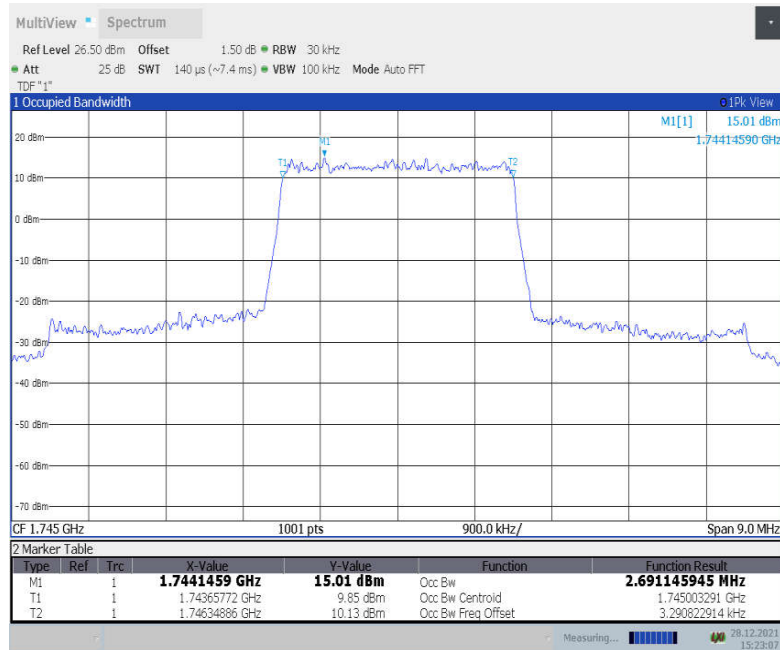


No. I21N04025-RF-LTE

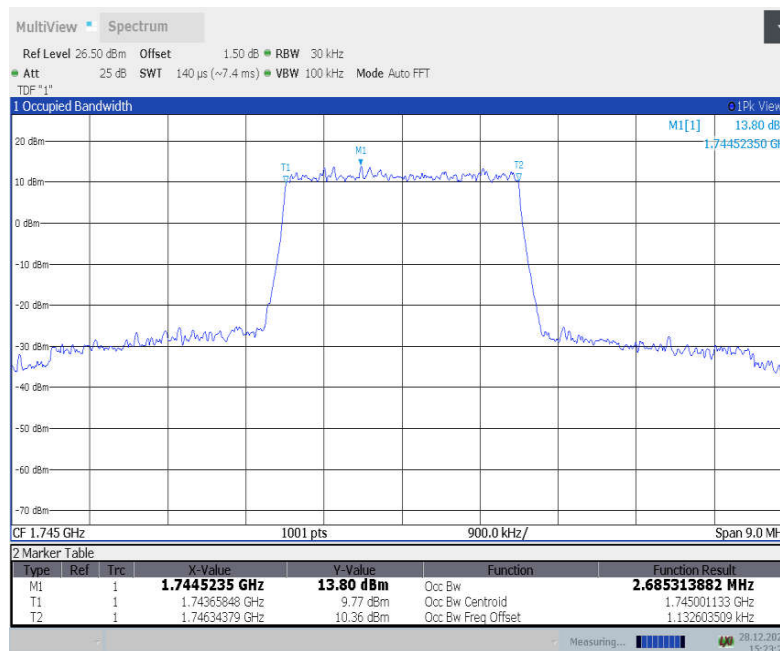
**LTE band 66, 3MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 1745.0         | QPSK                             | 16QAM   | 64QAM   |
|                | 2691.15                          | 2685.31 | 2689.29 |

**LTE band 66, 3MHz Bandwidth, QPSK (99% BW)**



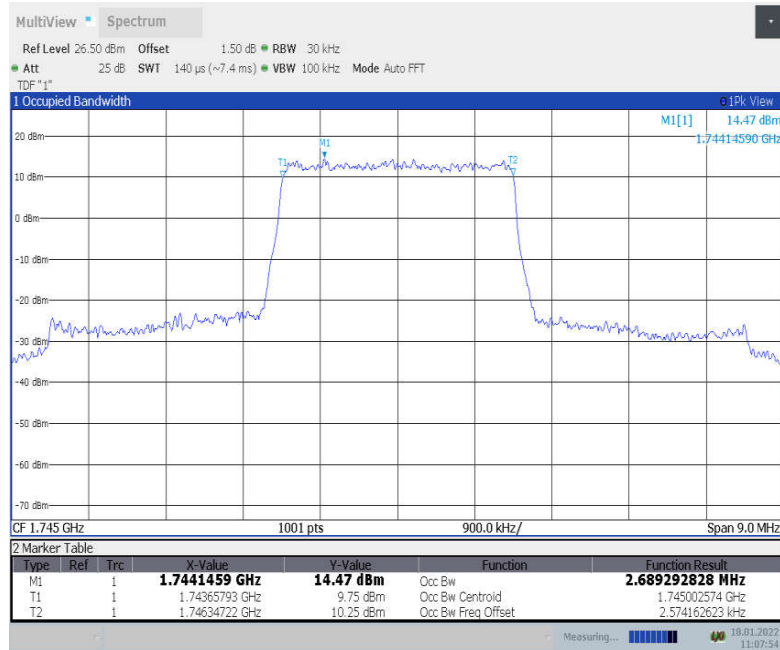
**LTE band 66, 3MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 66, 3MHz Bandwidth, 64QAM (99% BW)**



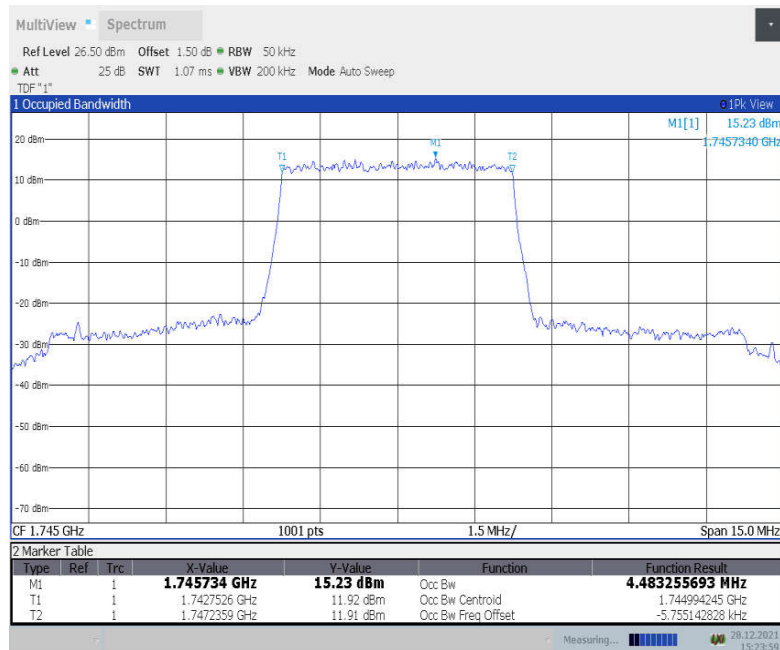


No. I21N04025-RF-LTE

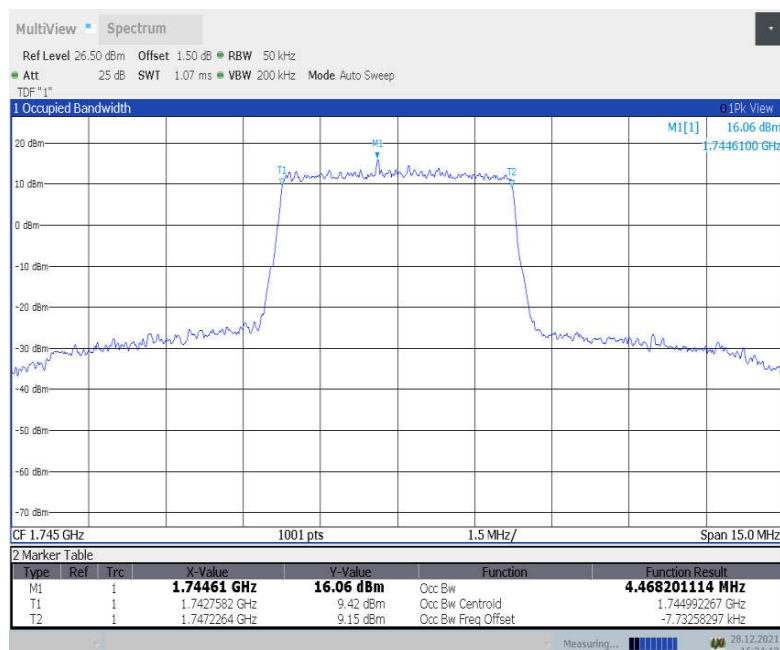
**LTE band 66, 5MHz (99% BW)**

| Frequency(MHz) | Occupied Bandwidth (99% BW)(kHz) |         |         |
|----------------|----------------------------------|---------|---------|
| 1745.0         | QPSK                             | 16QAM   | 64QAM   |
|                | 4483.26                          | 4468.20 | 4484.22 |

**LTE band 66, 5MHz Bandwidth, QPSK (99% BW)**



**LTE band 66, 5MHz Bandwidth, 16QAM (99% BW)**





No. I21N04025-RF-LTE

**LTE band 66, 5MHz Bandwidth, 64QAM (99% BW)**

