



# Appendix B

## Test Data for SZEM170100023101



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## 1 Effective (Isotropic) Radiated Power Output Data

Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE BAND41

| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM1   | 5M             | LCH          | RB1#0   | 17.20          | 21.80      | 33.00       | PASS    |
|                |           |                |              | RB1#13  | 17.23          | 21.83      | 33.00       | PASS    |
|                |           |                |              | RB1#24  | 17.14          | 21.74      | 33.00       | PASS    |
|                |           |                |              | RB12#0  | 17.29          | 21.89      | 33.00       | PASS    |
|                |           |                |              | RB12#6  | 17.33          | 21.93      | 33.00       | PASS    |
|                |           |                |              | RB12#13 | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.29          | 21.89      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.14          | 21.74      | 33.00       | PASS    |
|                |           |                |              | RB1#13  | 17.15          | 21.75      | 33.00       | PASS    |
|                |           |                |              | RB1#24  | 17.01          | 21.61      | 33.00       | PASS    |
|                |           |                |              | RB12#0  | 17.13          | 21.73      | 33.00       | PASS    |
|                |           |                |              | RB12#6  | 17.17          | 21.77      | 33.00       | PASS    |
|                |           |                |              | RB12#13 | 17.12          | 21.72      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.20          | 21.80      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 16.97          | 21.57      | 33.00       | PASS    |
|                |           |                |              | RB1#13  | 16.97          | 21.57      | 33.00       | PASS    |
|                |           |                |              | RB1#24  | 16.82          | 21.42      | 33.00       | PASS    |
|                |           |                |              | RB12#0  | 16.94          | 21.54      | 33.00       | PASS    |
|                |           |                |              | RB12#6  | 16.96          | 21.56      | 33.00       | PASS    |
|                |           |                |              | RB12#13 | 16.87          | 21.47      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.01          | 21.61      | 33.00       | PASS    |



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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM2   | 5M             | LCH          | RB1#0   | 17.36          | 21.96      | 33.00       | PASS    |
|                |           |                |              | RB1#13  | 17.34          | 21.94      | 33.00       | PASS    |
|                |           |                |              | RB1#24  | 17.34          | 21.94      | 33.00       | PASS    |
|                |           |                |              | RB12#0  | 17.32          | 21.92      | 33.00       | PASS    |
|                |           |                |              | RB12#6  | 17.31          | 21.91      | 33.00       | PASS    |
|                |           |                |              | RB12#13 | 17.32          | 21.92      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.33          | 21.93      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.28          | 21.88      | 33.00       | PASS    |
|                |           |                |              | RB1#13  | 17.32          | 21.92      | 33.00       | PASS    |
|                |           |                |              | RB1#24  | 17.22          | 21.82      | 33.00       | PASS    |
|                |           |                |              | RB12#0  | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                |              | RB12#6  | 17.32          | 21.92      | 33.00       | PASS    |
|                |           |                |              | RB12#13 | 17.13          | 21.73      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.23          | 21.83      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 17.12          | 21.72      | 33.00       | PASS    |
|                |           |                |              | RB1#13  | 17.14          | 21.74      | 33.00       | PASS    |
|                |           |                |              | RB1#24  | 17.04          | 21.64      | 33.00       | PASS    |
|                |           |                |              | RB12#0  | 17.03          | 21.63      | 33.00       | PASS    |
|                |           |                |              | RB12#6  | 17.02          | 21.62      | 33.00       | PASS    |
|                |           |                |              | RB12#13 | 16.95          | 21.55      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.03          | 21.63      | 33.00       | PASS    |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM3   | 5M             | LCH          | RB1#0   | 17.74          | 22.34      | 33.00       | PASS    |
|                |           |                |              | RB1#13  | 17.77          | 22.37      | 33.00       | PASS    |
|                |           |                |              | RB1#24  | 17.71          | 22.31      | 33.00       | PASS    |
|                |           |                |              | RB12#0  | 17.41          | 22.01      | 33.00       | PASS    |
|                |           |                |              | RB12#6  | 17.34          | 21.94      | 33.00       | PASS    |
|                |           |                |              | RB12#13 | 17.26          | 21.86      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.16          | 21.76      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.31          | 21.91      | 33.00       | PASS    |
|                |           |                |              | RB1#13  | 17.38          | 21.98      | 33.00       | PASS    |
|                |           |                |              | RB1#24  | 17.27          | 21.87      | 33.00       | PASS    |
|                |           |                |              | RB12#0  | 17.30          | 21.90      | 33.00       | PASS    |
|                |           |                |              | RB12#6  | 17.32          | 21.92      | 33.00       | PASS    |
|                |           |                |              | RB12#13 | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.26          | 21.86      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 17.43          | 22.03      | 33.00       | PASS    |
|                |           |                |              | RB1#13  | 17.39          | 21.99      | 33.00       | PASS    |
|                |           |                |              | RB1#24  | 17.32          | 21.92      | 33.00       | PASS    |
|                |           |                |              | RB12#0  | 17.06          | 21.66      | 33.00       | PASS    |
|                |           |                |              | RB12#6  | 17.05          | 21.65      | 33.00       | PASS    |
|                |           |                |              | RB12#13 | 17.03          | 21.63      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 16.99          | 21.59      | 33.00       | PASS    |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM1   | 10M            | LCH          | RB1#0   | 17.26          | 21.86      | 33.00       | PASS    |
|                |           |                |              | RB1#25  | 17.16          | 21.76      | 33.00       | PASS    |
|                |           |                |              | RB1#49  | 17.07          | 21.67      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.38          | 21.98      | 33.00       | PASS    |
|                |           |                |              | RB25#13 | 17.37          | 21.97      | 33.00       | PASS    |
|                |           |                |              | RB25#25 | 17.29          | 21.89      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.33          | 21.93      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.22          | 21.82      | 33.00       | PASS    |
|                |           |                |              | RB1#25  | 17.05          | 21.65      | 33.00       | PASS    |
|                |           |                |              | RB1#49  | 17.04          | 21.64      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.18          | 21.78      | 33.00       | PASS    |
|                |           |                |              | RB25#13 | 17.24          | 21.84      | 33.00       | PASS    |
|                |           |                |              | RB25#25 | 17.17          | 21.77      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.17          | 21.77      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 17.03          | 21.63      | 33.00       | PASS    |
|                |           |                |              | RB1#25  | 16.89          | 21.49      | 33.00       | PASS    |
|                |           |                |              | RB1#49  | 16.89          | 21.49      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.03          | 21.63      | 33.00       | PASS    |
|                |           |                |              | RB25#13 | 17.04          | 21.64      | 33.00       | PASS    |
|                |           |                |              | RB25#25 | 16.93          | 21.53      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.02          | 21.62      | 33.00       | PASS    |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM2   | 10M            | LCH          | RB1#0   | 17.45          | 22.05      | 33.00       | PASS    |
|                |           |                |              | RB1#25  | 17.38          | 21.98      | 33.00       | PASS    |
|                |           |                |              | RB1#49  | 17.37          | 21.97      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.34          | 21.94      | 33.00       | PASS    |
|                |           |                |              | RB25#13 | 17.35          | 21.95      | 33.00       | PASS    |
|                |           |                |              | RB25#25 | 17.31          | 21.91      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.30          | 21.90      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.41          | 22.01      | 33.00       | PASS    |
|                |           |                |              | RB1#25  | 17.23          | 21.83      | 33.00       | PASS    |
|                |           |                |              | RB1#49  | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.27          | 21.87      | 33.00       | PASS    |
|                |           |                |              | RB25#13 | 17.23          | 21.83      | 33.00       | PASS    |
|                |           |                |              | RB25#25 | 17.16          | 21.76      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 17.24          | 21.84      | 33.00       | PASS    |
|                |           |                |              | RB1#25  | 17.16          | 21.76      | 33.00       | PASS    |
|                |           |                |              | RB1#49  | 17.09          | 21.69      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.05          | 21.65      | 33.00       | PASS    |
|                |           |                |              | RB25#13 | 17.03          | 21.63      | 33.00       | PASS    |
|                |           |                |              | RB25#25 | 16.92          | 21.52      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.01          | 21.61      | 33.00       | PASS    |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM3   | 10M            | LCH          | RB1#0   | 17.78          | 22.38      | 33.00       | PASS    |
|                |           |                |              | RB1#25  | 17.68          | 22.28      | 33.00       | PASS    |
|                |           |                |              | RB1#49  | 17.66          | 22.26      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.26          | 21.86      | 33.00       | PASS    |
|                |           |                |              | RB25#13 | 17.17          | 21.77      | 33.00       | PASS    |
|                |           |                |              | RB25#25 | 17.23          | 21.83      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.19          | 21.79      | 33.00       | PASS    |
|                |           |                |              | RB1#25  | 17.07          | 21.67      | 33.00       | PASS    |
|                |           |                |              | RB1#49  | 17.00          | 21.60      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.31          | 21.91      | 33.00       | PASS    |
|                |           |                |              | RB25#13 | 17.25          | 21.85      | 33.00       | PASS    |
|                |           |                |              | RB25#25 | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.22          | 21.82      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 17.37          | 21.97      | 33.00       | PASS    |
|                |           |                |              | RB1#25  | 17.24          | 21.84      | 33.00       | PASS    |
|                |           |                |              | RB1#49  | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                |              | RB25#0  | 17.07          | 21.67      | 33.00       | PASS    |
|                |           |                |              | RB25#13 | 17.07          | 21.67      | 33.00       | PASS    |
|                |           |                |              | RB25#25 | 16.97          | 21.57      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.09          | 21.69      | 33.00       | PASS    |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM1   | 15M            | LCH          | RB1#0   | 17.22          | 21.82      | 33.00       | PASS    |
|                |           |                |              | RB1#38  | 17.04          | 21.64      | 33.00       | PASS    |
|                |           |                |              | RB1#74  | 16.98          | 21.58      | 33.00       | PASS    |
|                |           |                |              | RB36#0  | 17.28          | 21.88      | 33.00       | PASS    |
|                |           |                |              | RB36#18 | 17.22          | 21.82      | 33.00       | PASS    |
|                |           |                |              | RB36#39 | 17.15          | 21.75      | 33.00       | PASS    |
|                |           |                |              | RB75#0  | 17.13          | 21.73      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.30          | 21.90      | 33.00       | PASS    |
|                |           |                |              | RB1#38  | 17.13          | 21.73      | 33.00       | PASS    |
|                |           |                |              | RB1#74  | 17.04          | 21.64      | 33.00       | PASS    |
|                |           |                |              | RB36#0  | 17.24          | 21.84      | 33.00       | PASS    |
|                |           |                |              | RB36#18 | 17.13          | 21.73      | 33.00       | PASS    |
|                |           |                |              | RB36#39 | 17.10          | 21.70      | 33.00       | PASS    |
|                |           |                |              | RB75#0  | 17.16          | 21.76      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 17.08          | 21.68      | 33.00       | PASS    |
|                |           |                |              | RB1#38  | 16.90          | 21.50      | 33.00       | PASS    |
|                |           |                |              | RB1#74  | 16.82          | 21.42      | 33.00       | PASS    |
|                |           |                |              | RB36#0  | 17.00          | 21.60      | 33.00       | PASS    |
|                |           |                |              | RB36#18 | 16.97          | 21.57      | 33.00       | PASS    |
|                |           |                |              | RB36#39 | 16.84          | 21.44      | 33.00       | PASS    |
|                |           |                |              | RB75#0  | 16.95          | 21.55      | 33.00       | PASS    |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM2   | 15M            | LCH          | RB1#0   | 17.42          | 22.02      | 33.00       | PASS    |
|                |           |                |              | RB1#38  | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                |              | RB1#74  | 17.23          | 21.83      | 33.00       | PASS    |
|                |           |                |              | RB36#0  | 17.23          | 21.83      | 33.00       | PASS    |
|                |           |                |              | RB36#18 | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                |              | RB36#39 | 17.12          | 21.72      | 33.00       | PASS    |
|                |           |                |              | RB75#0  | 17.18          | 21.78      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.42          | 22.02      | 33.00       | PASS    |
|                |           |                |              | RB1#38  | 17.27          | 21.87      | 33.00       | PASS    |
|                |           |                |              | RB1#74  | 17.18          | 21.78      | 33.00       | PASS    |
|                |           |                |              | RB36#0  | 17.20          | 21.80      | 33.00       | PASS    |
|                |           |                |              | RB36#18 | 17.13          | 21.73      | 33.00       | PASS    |
|                |           |                |              | RB36#39 | 17.13          | 21.73      | 33.00       | PASS    |
|                |           |                |              | RB75#0  | 17.19          | 21.79      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 17.25          | 21.85      | 33.00       | PASS    |
|                |           |                |              | RB1#38  | 17.03          | 21.63      | 33.00       | PASS    |
|                |           |                |              | RB1#74  | 16.93          | 21.53      | 33.00       | PASS    |
|                |           |                |              | RB36#0  | 16.99          | 21.59      | 33.00       | PASS    |
|                |           |                |              | RB36#18 | 16.91          | 21.51      | 33.00       | PASS    |
|                |           |                |              | RB36#39 | 16.79          | 21.39      | 33.00       | PASS    |
|                |           |                |              | RB75#0  | 16.92          | 21.52      | 33.00       | PASS    |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM3   | 15M            | LCH          | RB1#0   | 17.74          | 22.34      | 33.00       | PASS    |
|                |           |                |              | RB1#38  | 17.58          | 22.18      | 33.00       | PASS    |
|                |           |                |              | RB1#74  | 17.59          | 22.19      | 33.00       | PASS    |
|                |           |                |              | RB36#0  | 17.26          | 21.86      | 33.00       | PASS    |
|                |           |                |              | RB36#18 | 17.25          | 21.85      | 33.00       | PASS    |
|                |           |                |              | RB36#39 | 17.08          | 21.68      | 33.00       | PASS    |
|                |           |                |              | RB75#0  | 17.12          | 21.72      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                |              | RB1#38  | 17.06          | 21.66      | 33.00       | PASS    |
|                |           |                |              | RB1#74  | 17.03          | 21.63      | 33.00       | PASS    |
|                |           |                |              | RB36#0  | 17.26          | 21.86      | 33.00       | PASS    |
|                |           |                |              | RB36#18 | 17.28          | 21.88      | 33.00       | PASS    |
|                |           |                |              | RB36#39 | 17.18          | 21.78      | 33.00       | PASS    |
|                |           |                |              | RB75#0  | 17.19          | 21.79      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 17.32          | 21.92      | 33.00       | PASS    |
|                |           |                |              | RB1#38  | 17.13          | 21.73      | 33.00       | PASS    |
|                |           |                |              | RB1#74  | 17.00          | 21.60      | 33.00       | PASS    |
|                |           |                |              | RB36#0  | 17.05          | 21.65      | 33.00       | PASS    |
|                |           |                |              | RB36#18 | 17.08          | 21.68      | 33.00       | PASS    |
|                |           |                |              | RB36#39 | 16.97          | 21.57      | 33.00       | PASS    |
|                |           |                |              | RB75#0  | 17.07          | 21.67      | 33.00       | PASS    |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM1   | 20M            | LCH          | RB1#0   | 17.28          | 21.88      | 33.00       | PASS    |
|                |           |                |              | RB1#50  | 17.02          | 21.62      | 33.00       | PASS    |
|                |           |                |              | RB1#99  | 17.03          | 21.63      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.12          | 21.72      | 33.00       | PASS    |
|                |           |                |              | RB50#25 | 17.11          | 21.71      | 33.00       | PASS    |
|                |           |                |              | RB50#50 | 17.01          | 21.61      | 33.00       | PASS    |
|                |           |                |              | RB100#0 | 17.01          | 21.61      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.48          | 22.08      | 33.00       | PASS    |
|                |           |                |              | RB1#50  | 17.29          | 21.89      | 33.00       | PASS    |
|                |           |                |              | RB1#99  | 17.12          | 21.72      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.28          | 21.88      | 33.00       | PASS    |
|                |           |                |              | RB50#25 | 17.23          | 21.83      | 33.00       | PASS    |
|                |           |                |              | RB50#50 | 17.14          | 21.74      | 33.00       | PASS    |
|                |           |                |              | RB100#0 | 17.19          | 21.79      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 17.25          | 21.85      | 33.00       | PASS    |
|                |           |                |              | RB1#50  | 17.01          | 21.61      | 33.00       | PASS    |
|                |           |                |              | RB1#99  | 17.02          | 21.62      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.08          | 21.68      | 33.00       | PASS    |
|                |           |                |              | RB50#25 | 17.01          | 21.61      | 33.00       | PASS    |
|                |           |                |              | RB50#50 | 17.02          | 21.62      | 33.00       | PASS    |
|                |           |                |              | RB100#0 | 17.01          | 21.61      | 33.00       | PASS    |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM2   | 20M            | LCH          | RB1#0   | 17.58          | 22.18      | 33.00       | PASS    |
|                |           |                |              | RB1#50  | 17.33          | 21.93      | 33.00       | PASS    |
|                |           |                |              | RB1#99  | 17.25          | 21.85      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.16          | 21.76      | 33.00       | PASS    |
|                |           |                |              | RB50#25 | 17.14          | 21.74      | 33.00       | PASS    |
|                |           |                |              | RB50#50 | 17.03          | 21.63      | 33.00       | PASS    |
|                |           |                |              | RB100#0 | 17.07          | 21.67      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.59          | 22.19      | 33.00       | PASS    |
|                |           |                |              | RB1#50  | 17.38          | 21.98      | 33.00       | PASS    |
|                |           |                |              | RB1#99  | 17.17          | 21.77      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.29          | 21.89      | 33.00       | PASS    |
|                |           |                |              | RB50#25 | 17.22          | 21.82      | 33.00       | PASS    |
|                |           |                |              | RB50#50 | 17.16          | 21.76      | 33.00       | PASS    |
|                |           |                |              | RB100#0 | 17.20          | 21.80      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 17.57          | 22.17      | 33.00       | PASS    |
|                |           |                |              | RB1#50  | 17.36          | 21.96      | 33.00       | PASS    |
|                |           |                |              | RB1#99  | 17.22          | 21.82      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.13          | 21.73      | 33.00       | PASS    |
|                |           |                |              | RB50#25 | 17.07          | 21.67      | 33.00       | PASS    |
|                |           |                |              | RB50#50 | 17.02          | 21.62      | 33.00       | PASS    |
|                |           |                |              | RB100#0 | 17.00          | 21.60      | 33.00       | PASS    |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM3   | 20M            | LCH          | RB1#0   | 17.35          | 21.95      | 33.00       | PASS    |
|                |           |                |              | RB1#50  | 17.22          | 21.82      | 33.00       | PASS    |
|                |           |                |              | RB1#99  | 17.23          | 21.83      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.18          | 21.78      | 33.00       | PASS    |
|                |           |                |              | RB50#25 | 17.10          | 21.70      | 33.00       | PASS    |
|                |           |                |              | RB50#50 | 17.04          | 21.64      | 33.00       | PASS    |
|                |           |                |              | RB100#0 | 17.07          | 21.67      | 33.00       | PASS    |
|                |           |                | MCH          | RB1#0   | 17.91          | 22.51      | 33.00       | PASS    |
|                |           |                |              | RB1#50  | 17.73          | 22.33      | 33.00       | PASS    |
|                |           |                |              | RB1#99  | 17.68          | 22.28      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.29          | 21.89      | 33.00       | PASS    |
|                |           |                |              | RB50#25 | 17.17          | 21.77      | 33.00       | PASS    |
|                |           |                |              | RB50#50 | 17.10          | 21.70      | 33.00       | PASS    |
|                |           |                |              | RB100#0 | 17.14          | 21.74      | 33.00       | PASS    |
|                |           |                | HCH          | RB1#0   | 17.68          | 22.28      | 33.00       | PASS    |
|                |           |                |              | RB1#50  | 17.45          | 22.05      | 33.00       | PASS    |
|                |           |                |              | RB1#99  | 17.34          | 21.94      | 33.00       | PASS    |
|                |           |                |              | RB50#0  | 17.21          | 21.81      | 33.00       | PASS    |
|                |           |                |              | RB50#25 | 17.12          | 21.72      | 33.00       | PASS    |
|                |           |                |              | RB50#50 | 17.06          | 21.66      | 33.00       | PASS    |
|                |           |                |              | RB100#0 | 17.09          | 21.69      | 33.00       | PASS    |

Note:

a: For getting the EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b: SGP=Signal Generator Level

c: RBW > emission bandwidth, VBW > 3 x RBW.

Detector: RMS

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## 2 Peak-to-Average Ratio

### Part I - Test Results

| Test Band | Test Mode | Test Channel | Measured[dB] | Limit [dB] | Verdict |
|-----------|-----------|--------------|--------------|------------|---------|
| Band 41   | TM1/20M   | LCH          | 5.07         | 13         | PASS    |
|           |           | MCH          | 4.87         | 13         | PASS    |
|           |           | HCH          | 4.93         | 13         | PASS    |
|           | TM2/20M   | LCH          | 5.68         | 13         | PASS    |
|           |           | MCH          | 5.62         | 13         | PASS    |
|           |           | HCH          | 5.94         | 13         | PASS    |
|           | TM3/20M   | LCH          | 6.12         | 13         | PASS    |
|           |           | MCH          | 6.12         | 13         | PASS    |
|           |           | HCH          | 6.46         | 13         | PASS    |





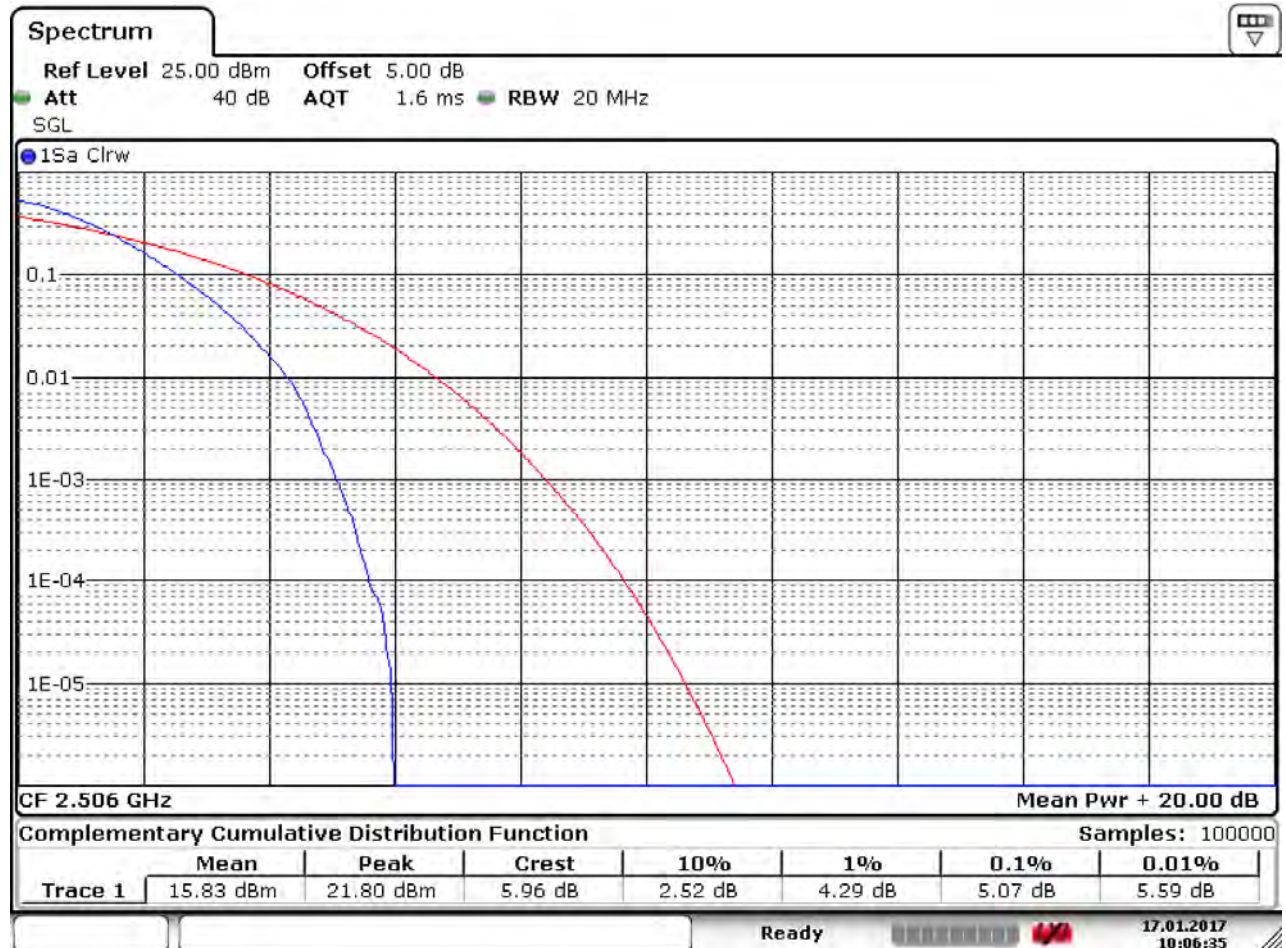
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band 41

2.1.1.1 Test Mode = LTE/TM1.Bandwidth=20MHz

2.1.1.1.1 Test Channel = LCH

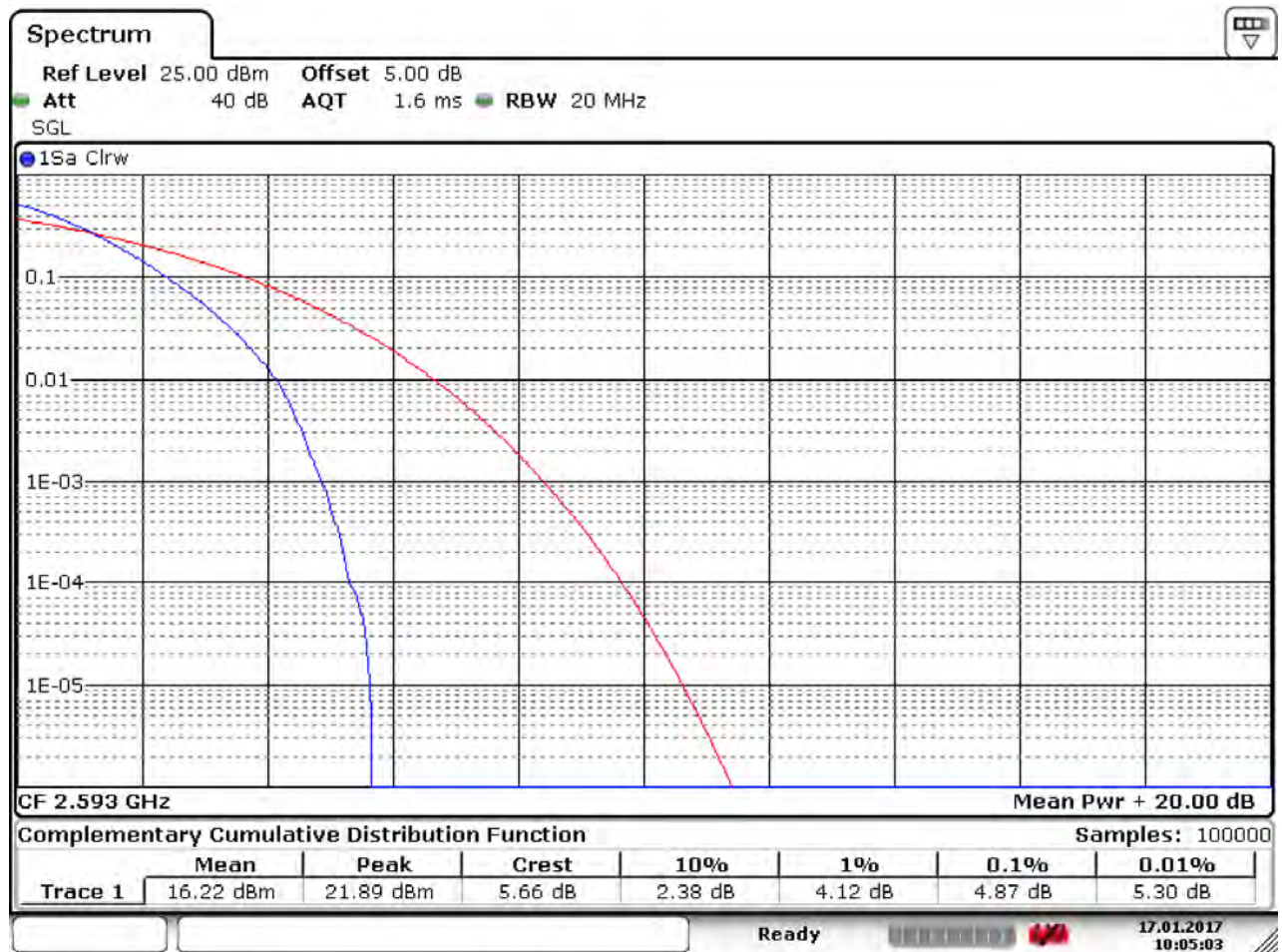


Date: 17.JAN.2017 10:06:35





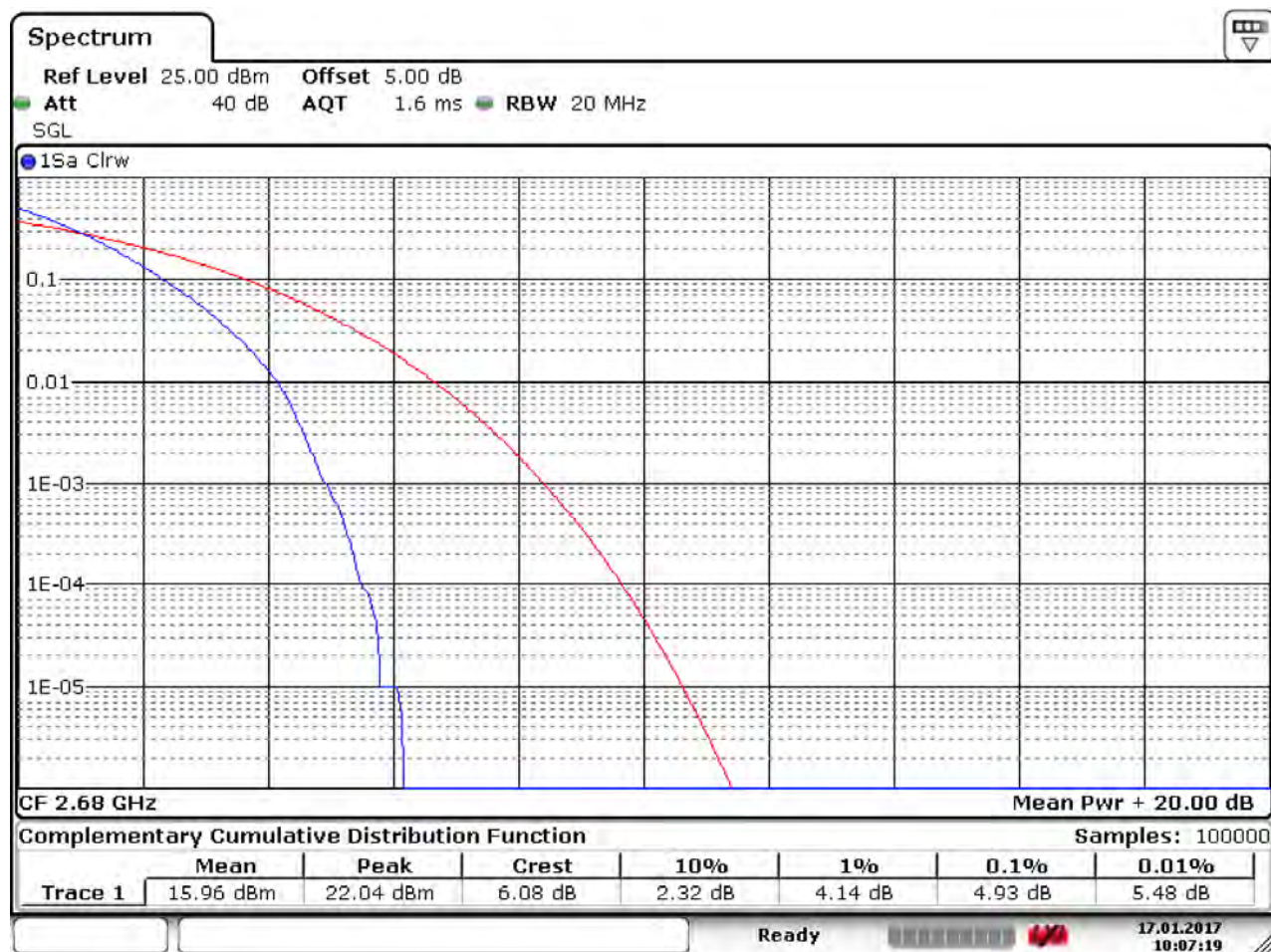
2.1.1.1.2 Test Channel = MCH



Date: 17.JAN.2017 10:05:03



2.1.1.1.3 Test Channel = HCH



Date: 17.JAN.2017 10:07:20



2.1.1.2 Test Mode = LTE/TM2.Bandwidth=20MHz

2.1.1.2.1 Test Channel = LCH



Date: 17.JAN.2017 10:09:49





2.1.1.2.2 Test Channel = MCH



Date: 17.JAN.2017 10:08:17



2.1.1.2.3 Test Channel = HCH

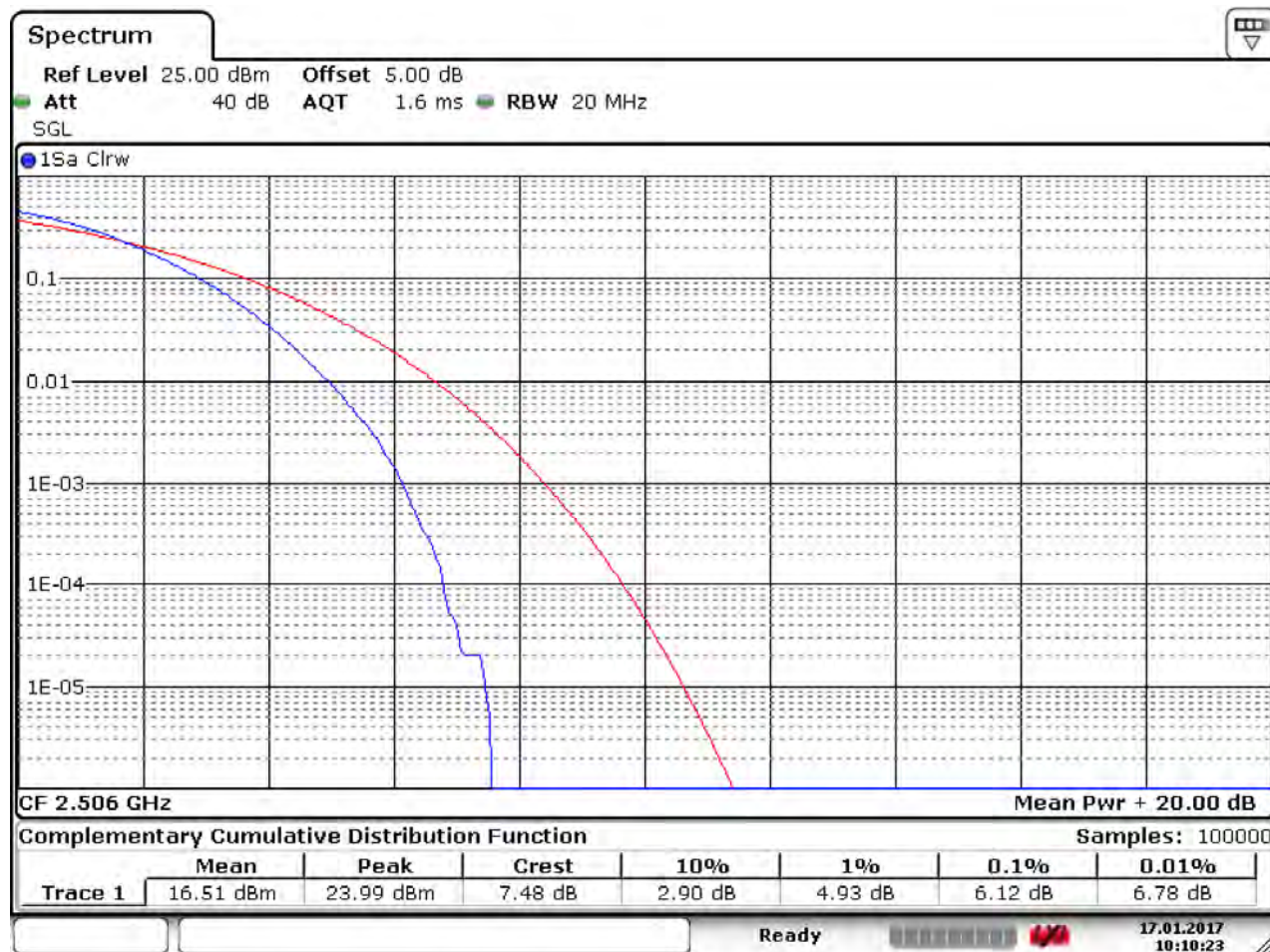


Date: 17.JAN.2017 10:07:49



2.1.1.3 Test Mode = LTE/TM3.Bandwidth=20MHz

2.1.1.3.1 Test Channel = LCH

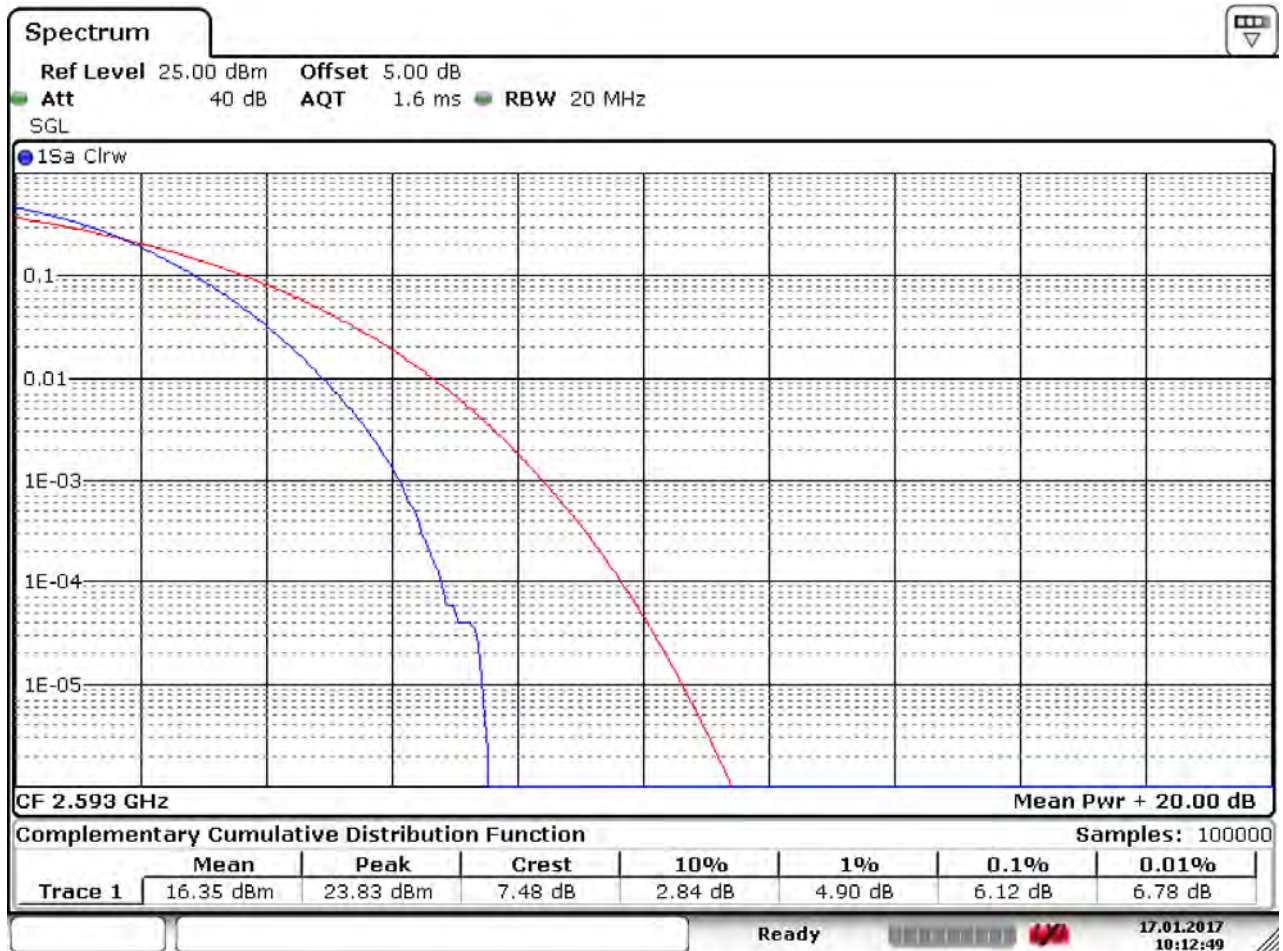


Date: 17.JAN.2017 10:10:23





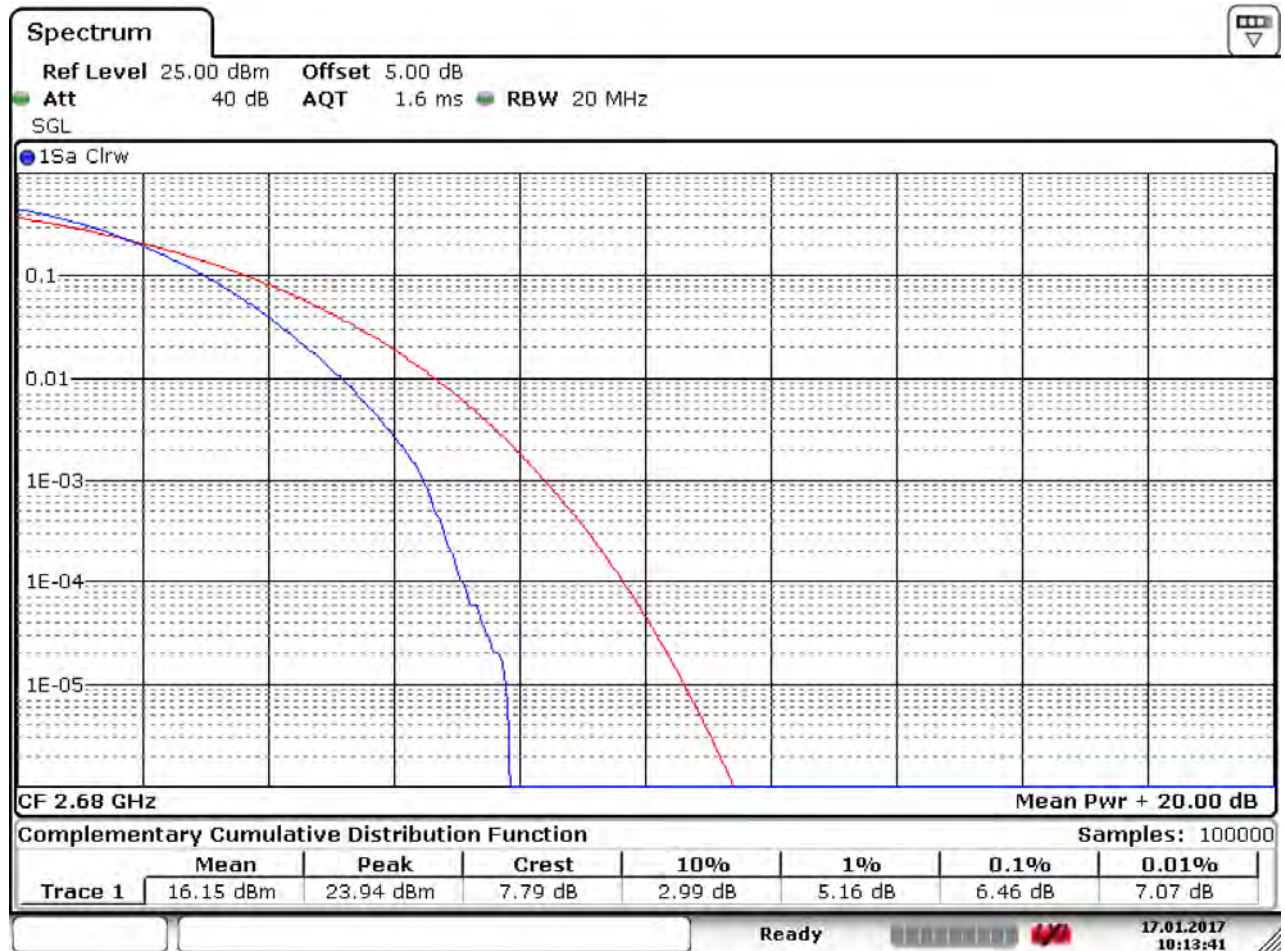
2.1.1.3.2 Test Channel = MCH



Date: 17.JAN.2017 10:12:49



2.1.1.3.3 Test Channel = HCH



Date: 17.JAN.2017 10:13:41



### 3 Modulation Characteristics

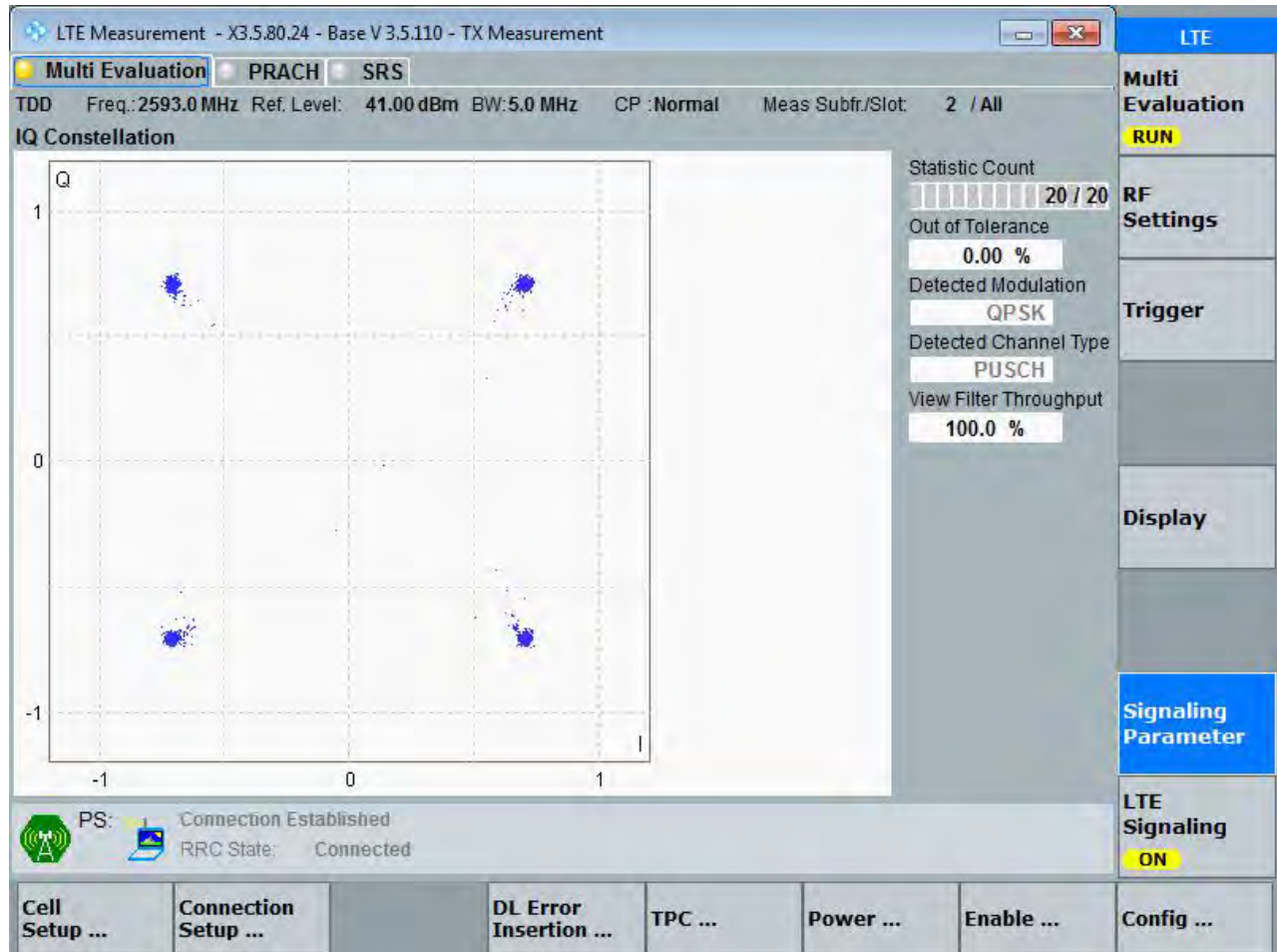
#### Part I - Test Plots

#### 3.1 For LTE

##### 3.1.1 Test Band = LTE band 41

##### 3.1.1.1 Test Mode = LTE /TM1 5MHz

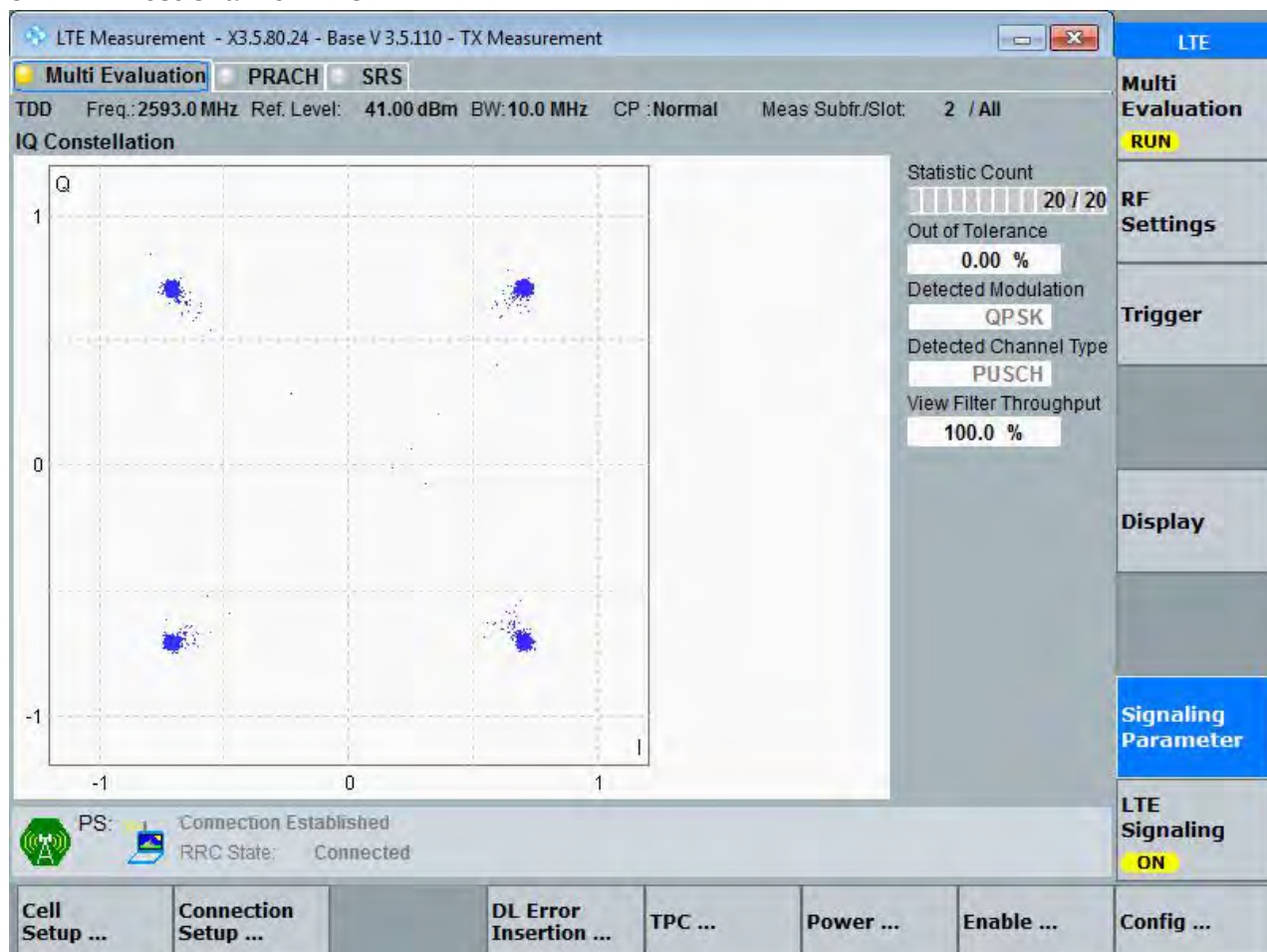
##### 3.1.1.1.1 Test Channel = MCH





3.1.1.2 Test Mode = LTE /TM1 10MHz

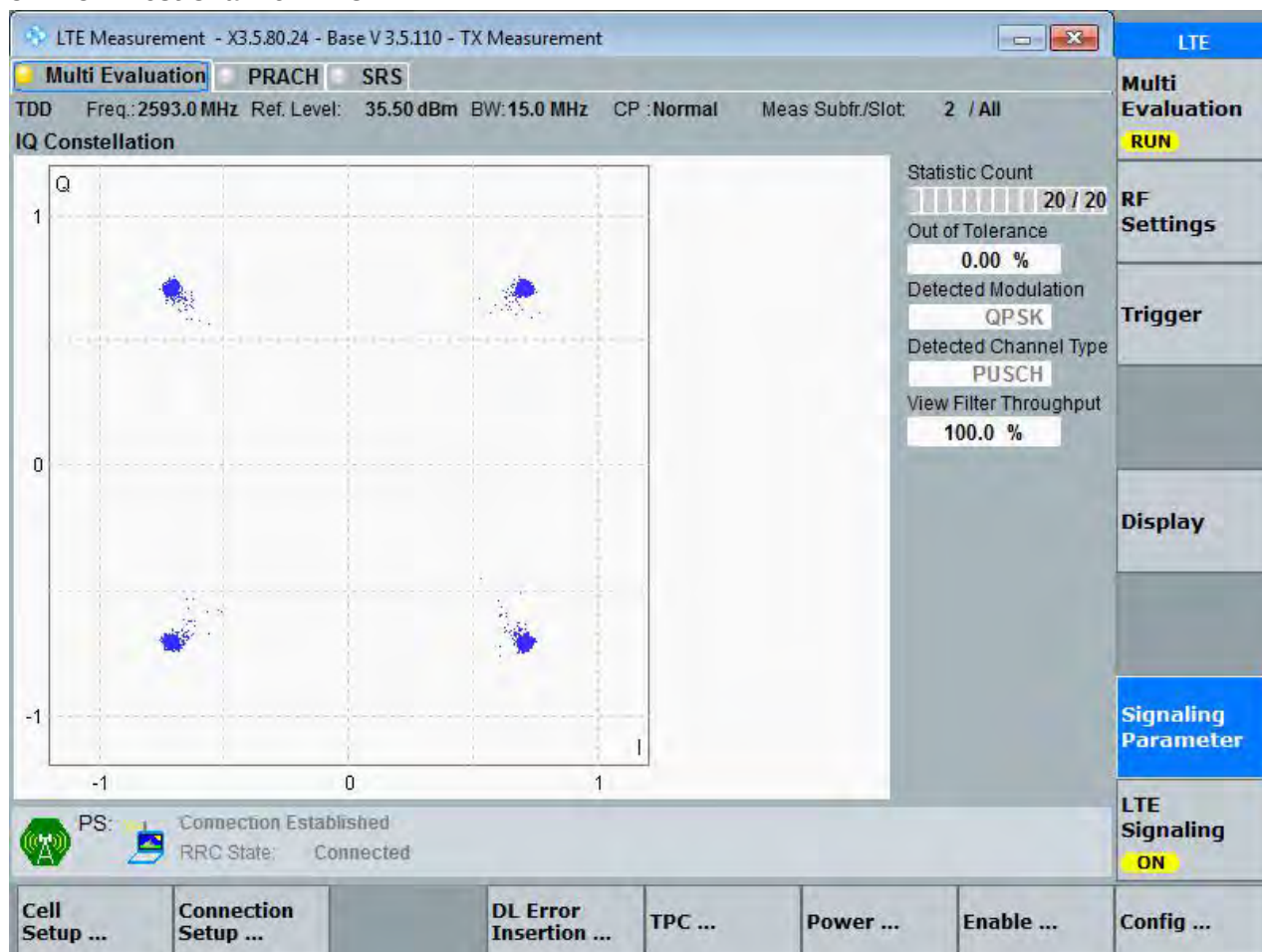
3.1.1.2.1 Test Channel = MCH





3.1.1.3 Test Mode = LTE /TM1 15MHz

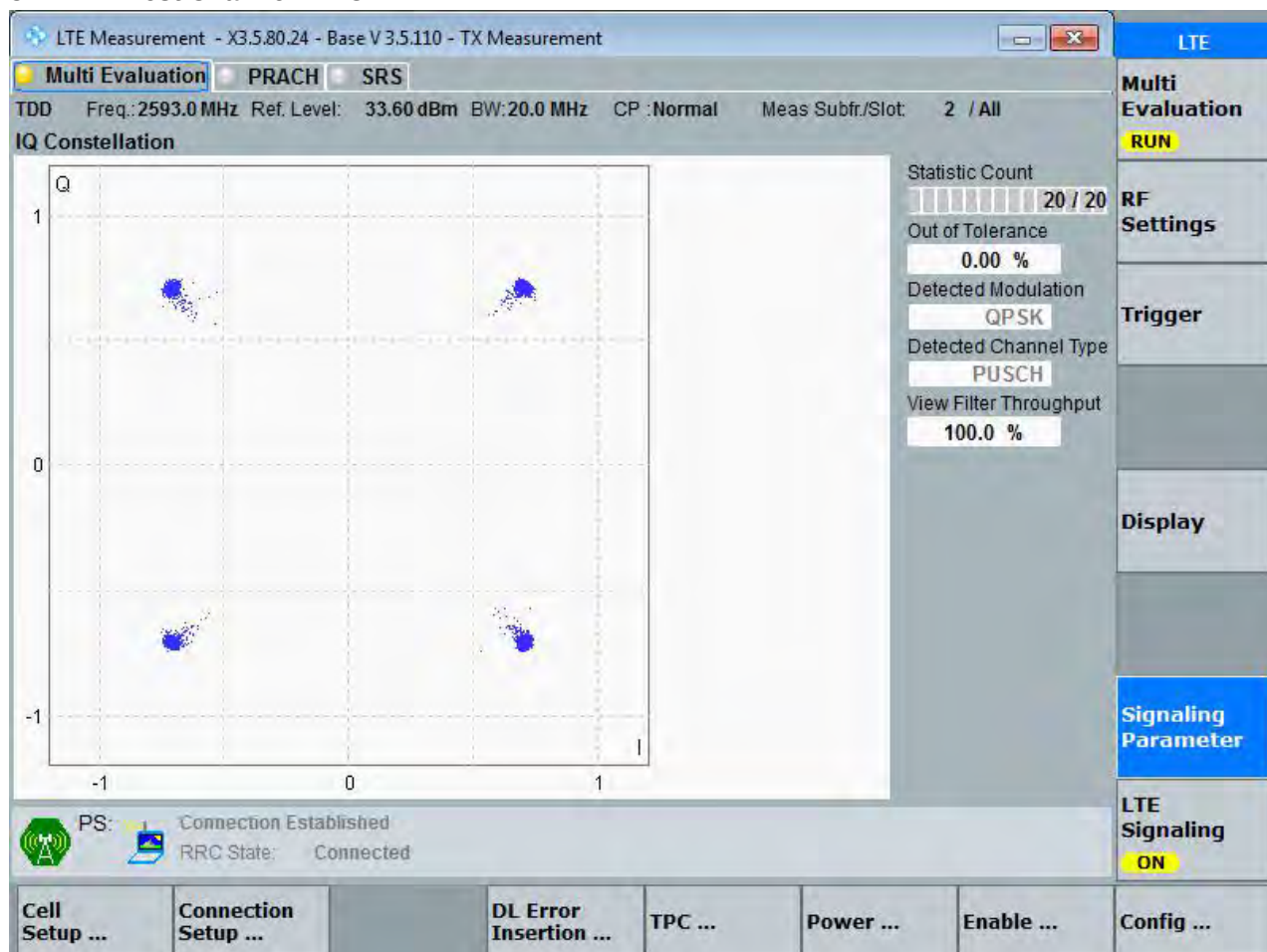
3.1.1.3.1 Test Channel = MCH





3.1.1.4 Test Mode = LTE /TM1 20MHz

3.1.1.4.1 Test Channel = MCH

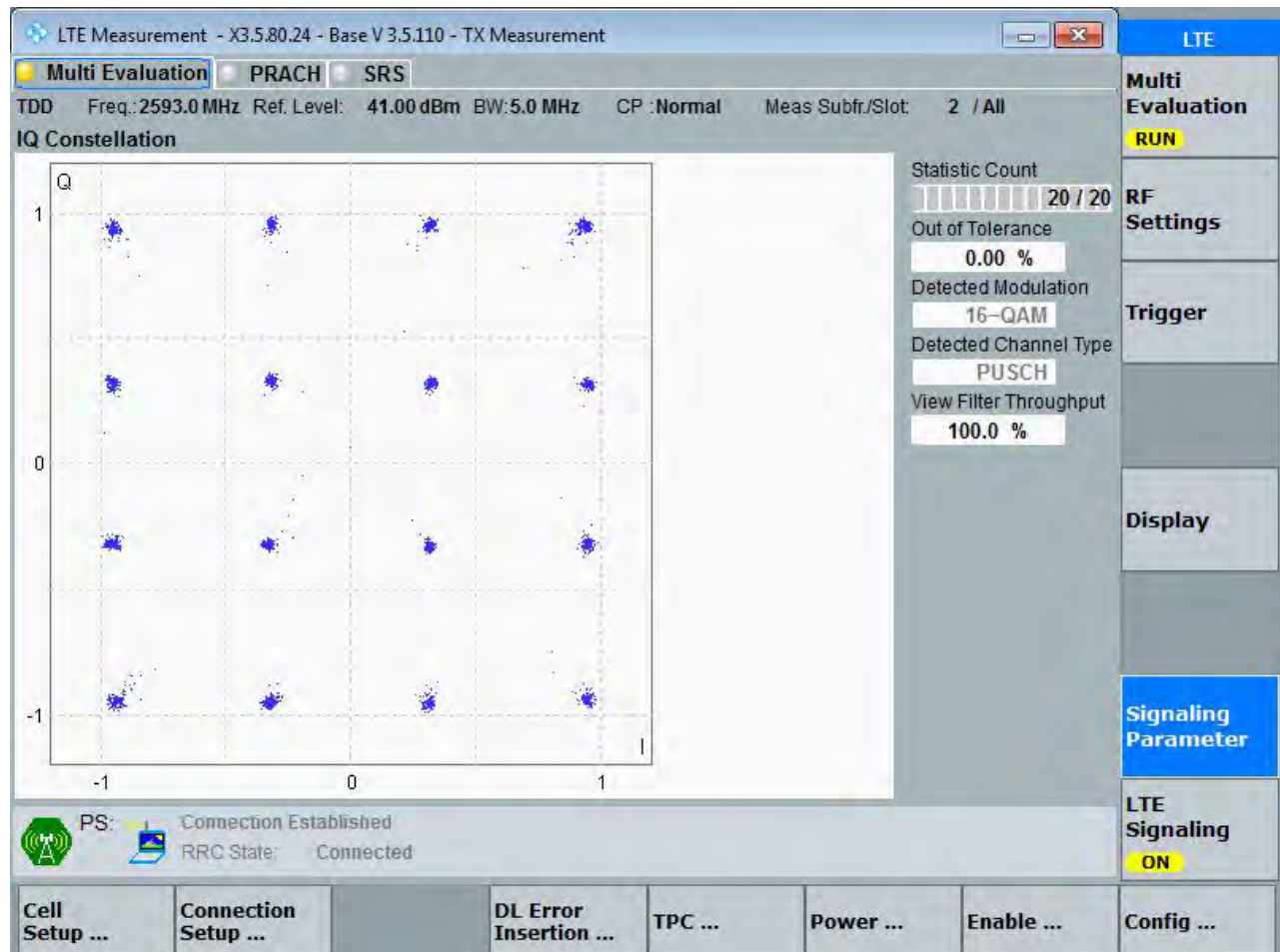






3.1.1.5 Test Mode = LTE /TM2 5MHz

3.1.1.5.1 Test Channel = MCH

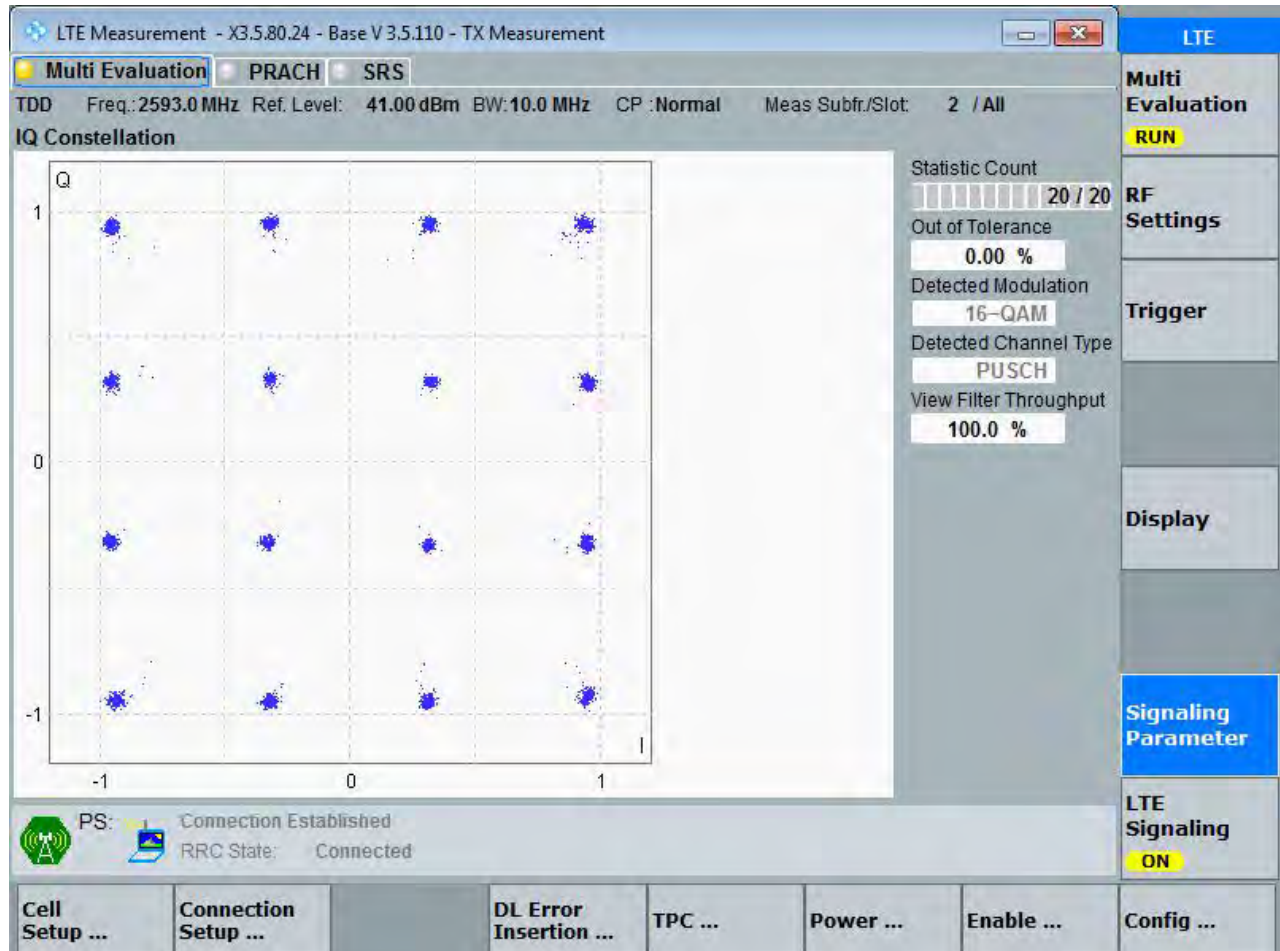






3.1.1.6 Test Mode = LTE /TM2 10MHz

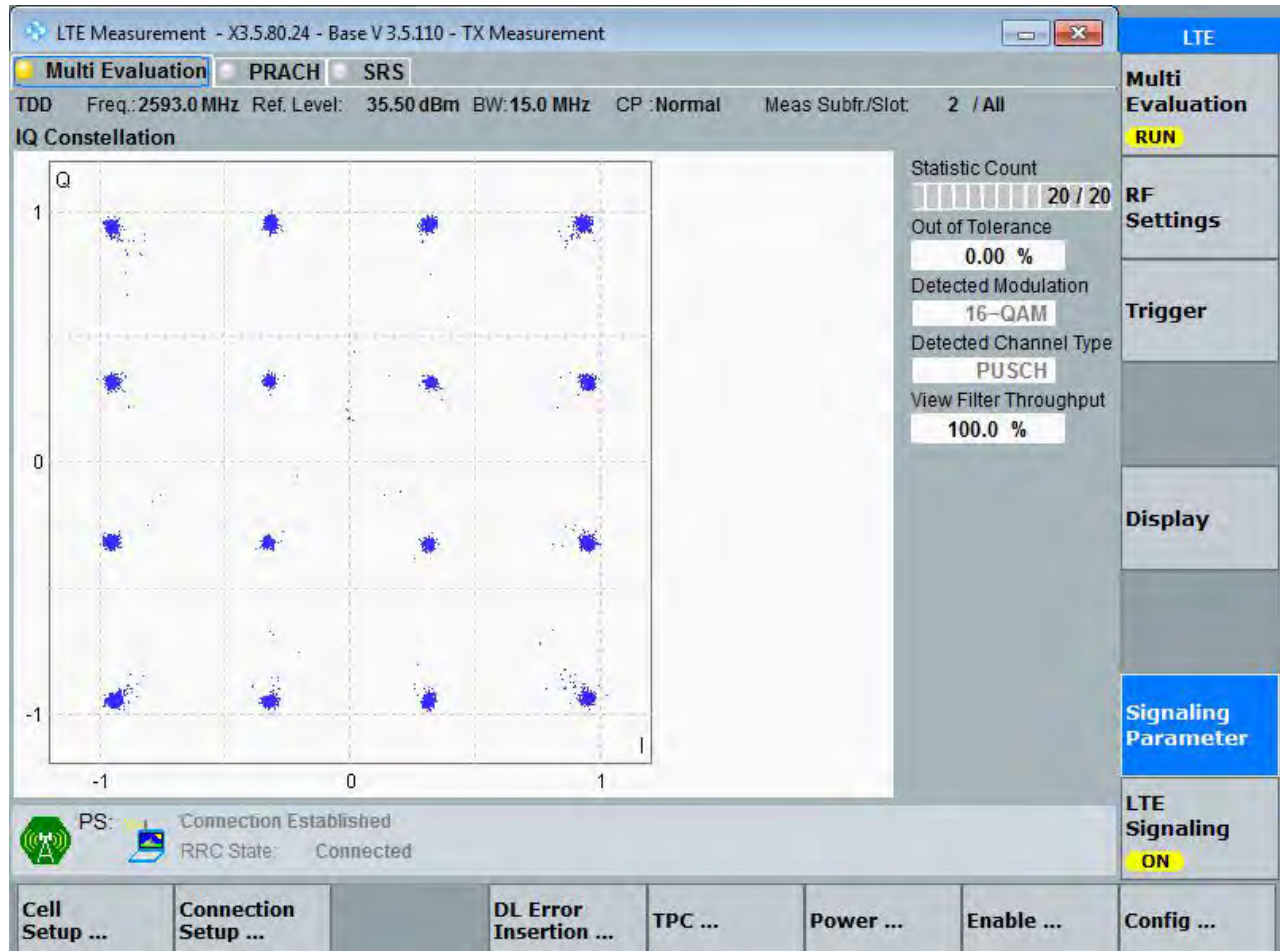
3.1.1.6.1 Test Channel = MCH





3.1.1.7 Test Mode = LTE /TM2 15MHz

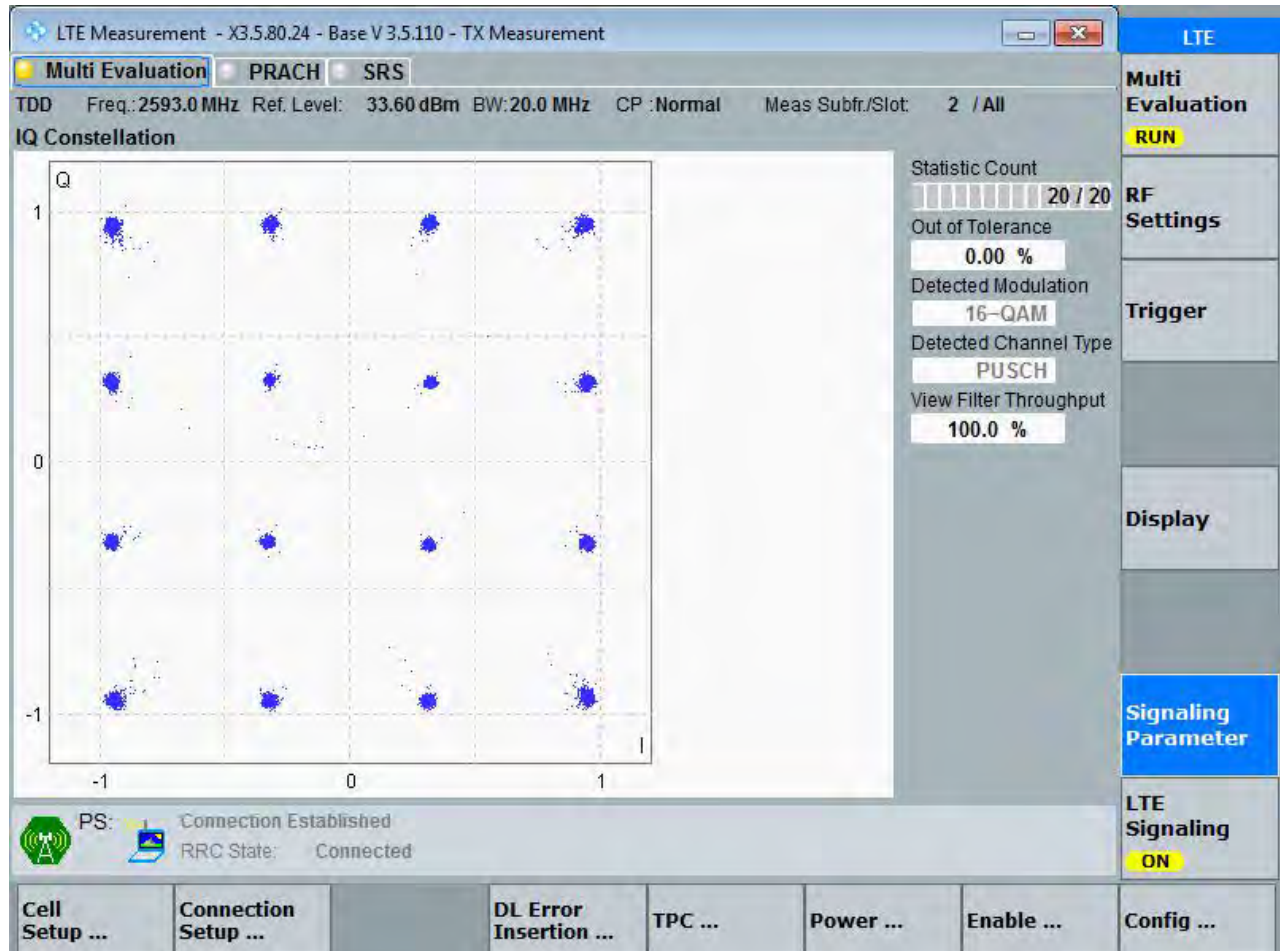
3.1.1.7.1 Test Channel = MCH





3.1.1.8 Test Mode = LTE /TM2 20MHz

3.1.1.8.1 Test Channel = MCH

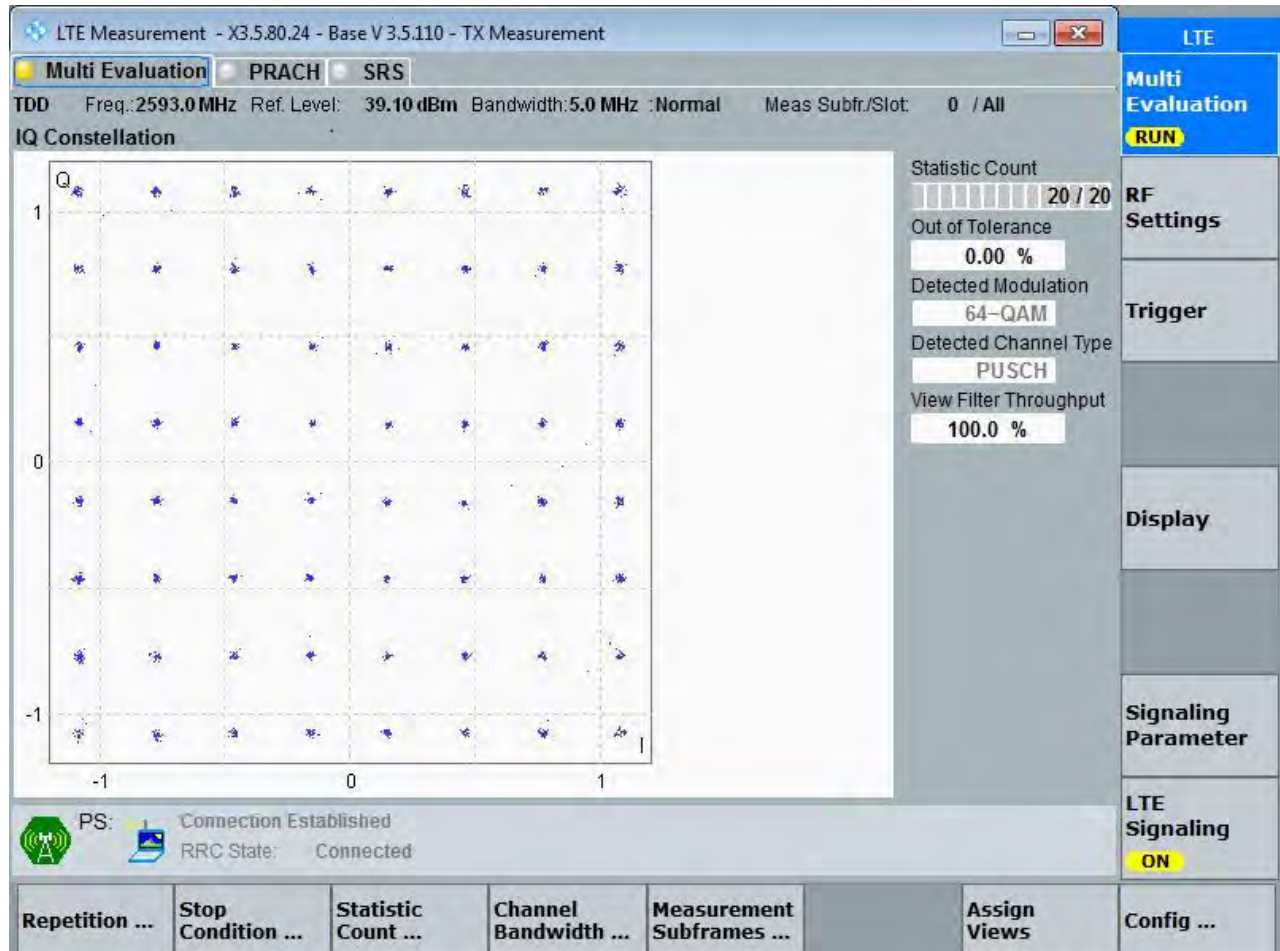






3.1.1.9 Test Mode = LTE /TM3 5MHz

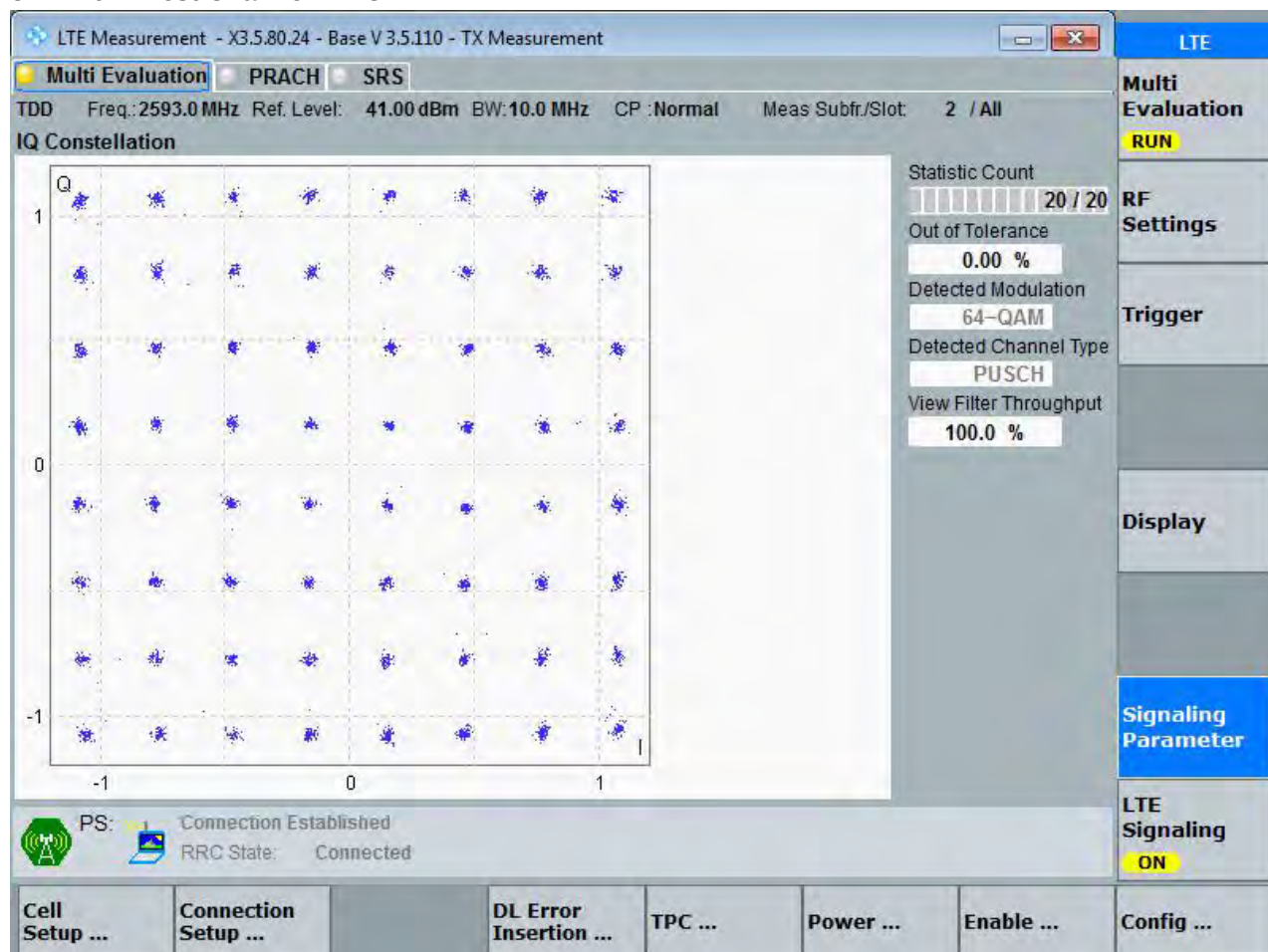
3.1.1.9.1 Test Channel = MCH





3.1.1.10 Test Mode = LTE /TM3 10MHz

3.1.1.10.1 Test Channel = MCH

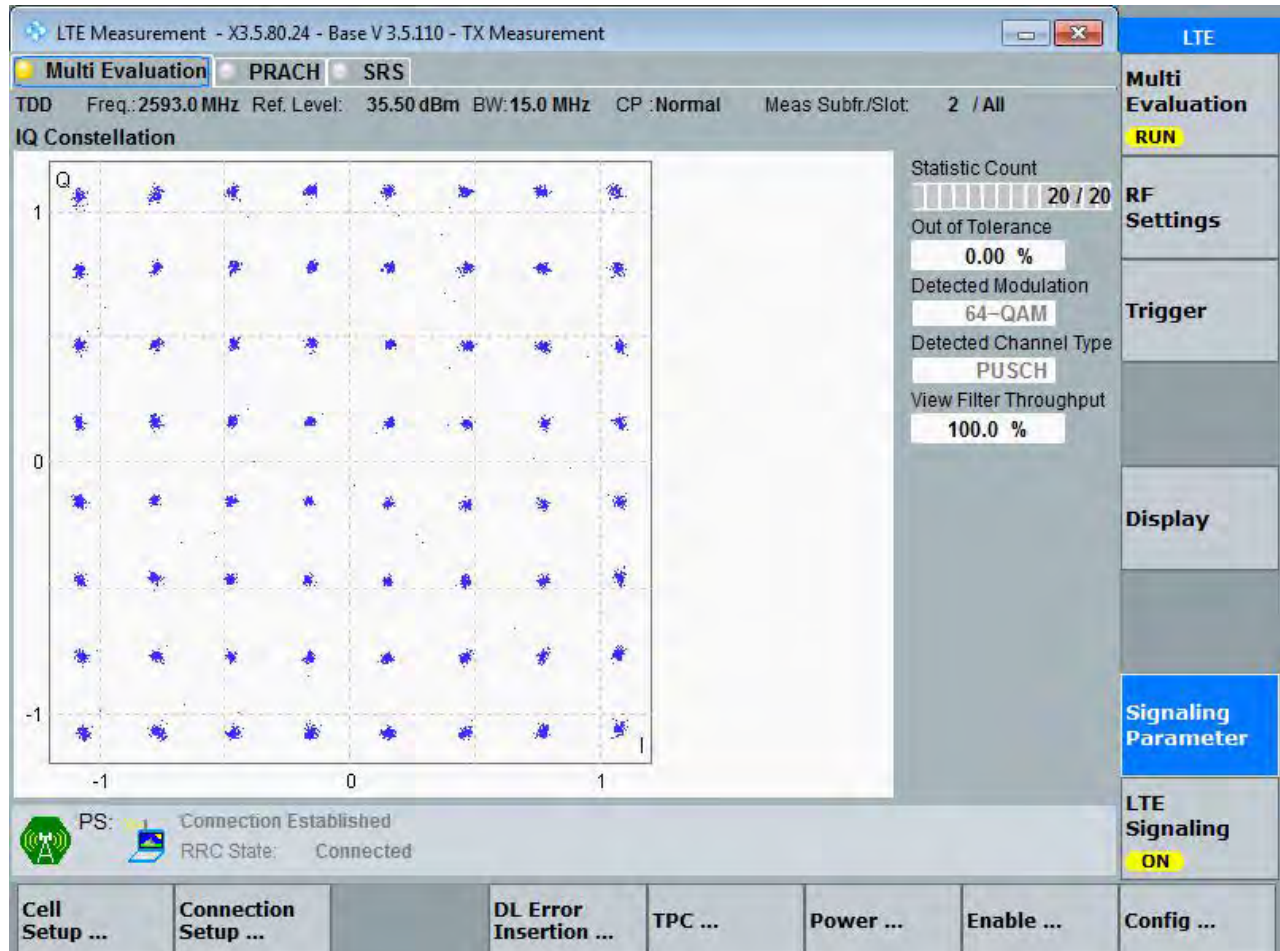






3.1.1.11 Test Mode = LTE /TM3 15MHz

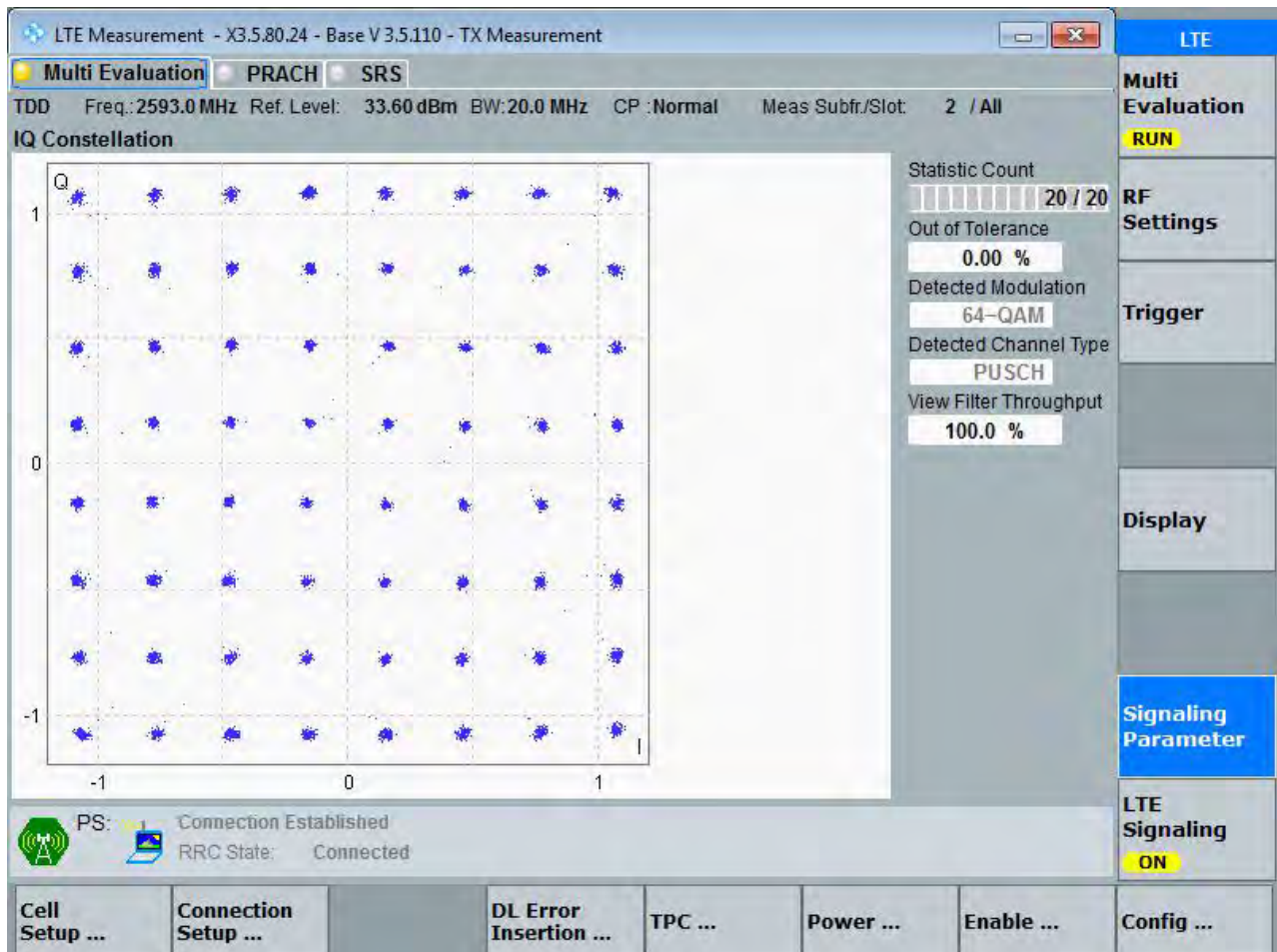
3.1.1.11.1 Test Channel = MCH





3.1.1.12 Test Mode = LTE /TM3 20MHz

3.1.1.12.1 Test Channel = MCH





## 4 Bandwidth

### Part I - Test Results

| Test Band | Test Mode | Test Channel | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|--------------|--------------------------|--------------------------|---------|
| Band 41   | TM1/5MHz  | LCH          | 4.48                     | 4.85                     | PASS    |
|           |           | MCH          | 4.48                     | 4.90                     | PASS    |
|           |           | HCH          | 4.48                     | 4.89                     | PASS    |
|           | TM2/5MHz  | LCH          | 4.48                     | 4.88                     | PASS    |
|           |           | MCH          | 4.47                     | 4.89                     | PASS    |
|           |           | HCH          | 4.47                     | 4.88                     | PASS    |
|           | TM3/5MHz  | LCH          | 4.47                     | 4.88                     | PASS    |
|           |           | MCH          | 4.48                     | 4.89                     | PASS    |
|           |           | HCH          | 4.47                     | 4.87                     | PASS    |
|           | TM1/10MHz | LCH          | 8.95                     | 9.61                     | PASS    |
|           |           | MCH          | 8.93                     | 9.71                     | PASS    |
|           |           | HCH          | 8.93                     | 9.69                     | PASS    |
|           | TM2/10MHz | LCH          | 8.93                     | 9.65                     | PASS    |
|           |           | MCH          | 8.93                     | 9.53                     | PASS    |
|           |           | HCH          | 8.91                     | 9.53                     | PASS    |
|           | TM3/10MHz | LCH          | 8.95                     | 9.71                     | PASS    |
|           |           | MCH          | 8.95                     | 9.57                     | PASS    |
|           |           | HCH          | 8.93                     | 9.65                     | PASS    |
|           | TM1/15MHz | LCH          | 13.46                    | 14.67                    | PASS    |
|           |           | MCH          | 13.43                    | 14.72                    | PASS    |
|           |           | HCH          | 13.40                    | 14.69                    | PASS    |
|           | TM2/15MHz | LCH          | 13.46                    | 14.70                    | PASS    |
|           |           | MCH          | 13.49                    | 14.75                    | PASS    |
|           |           | HCH          | 13.49                    | 14.75                    | PASS    |
|           | TM3/15MHz | LCH          | 13.43                    | 14.58                    | PASS    |
|           |           | MCH          | 13.49                    | 14.69                    | PASS    |
|           |           | HCH          | 13.46                    | 14.75                    | PASS    |
|           | TM1/20MHz | LCH          | 17.86                    | 19.38                    | PASS    |
|           |           | MCH          | 17.82                    | 19.26                    | PASS    |
|           |           | HCH          | 17.90                    | 19.22                    | PASS    |



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**Shenzhen Branch**

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| Test Band | Test Mode | Test Channel | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|--------------|--------------------------|--------------------------|---------|
| Band 41   | TM2/20MHz | LCH          | 17.86                    | 19.34                    | PASS    |
|           |           | MCH          | 17.86                    | 19.38                    | PASS    |
|           |           | HCH          | 17.86                    | 19.38                    | PASS    |
|           | TM3/20MHz | LCH          | 17.86                    | 19.42                    | PASS    |
|           |           | MCH          | 17.90                    | 19.38                    | PASS    |
|           |           | HCH          | 17.82                    | 19.34                    | PASS    |

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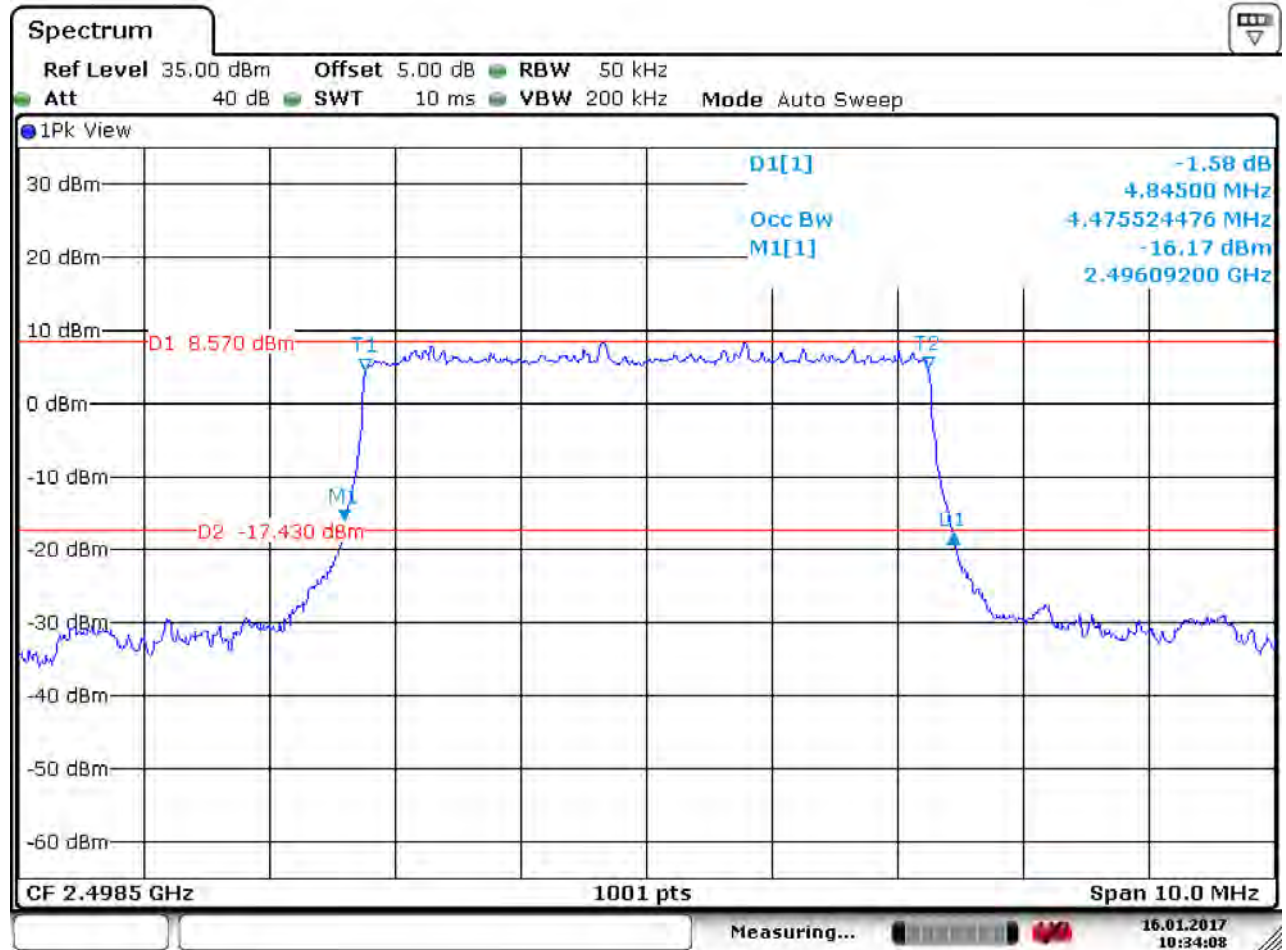


## 4.1 For LTE

### 4.1.1 Test Band = LTE band41

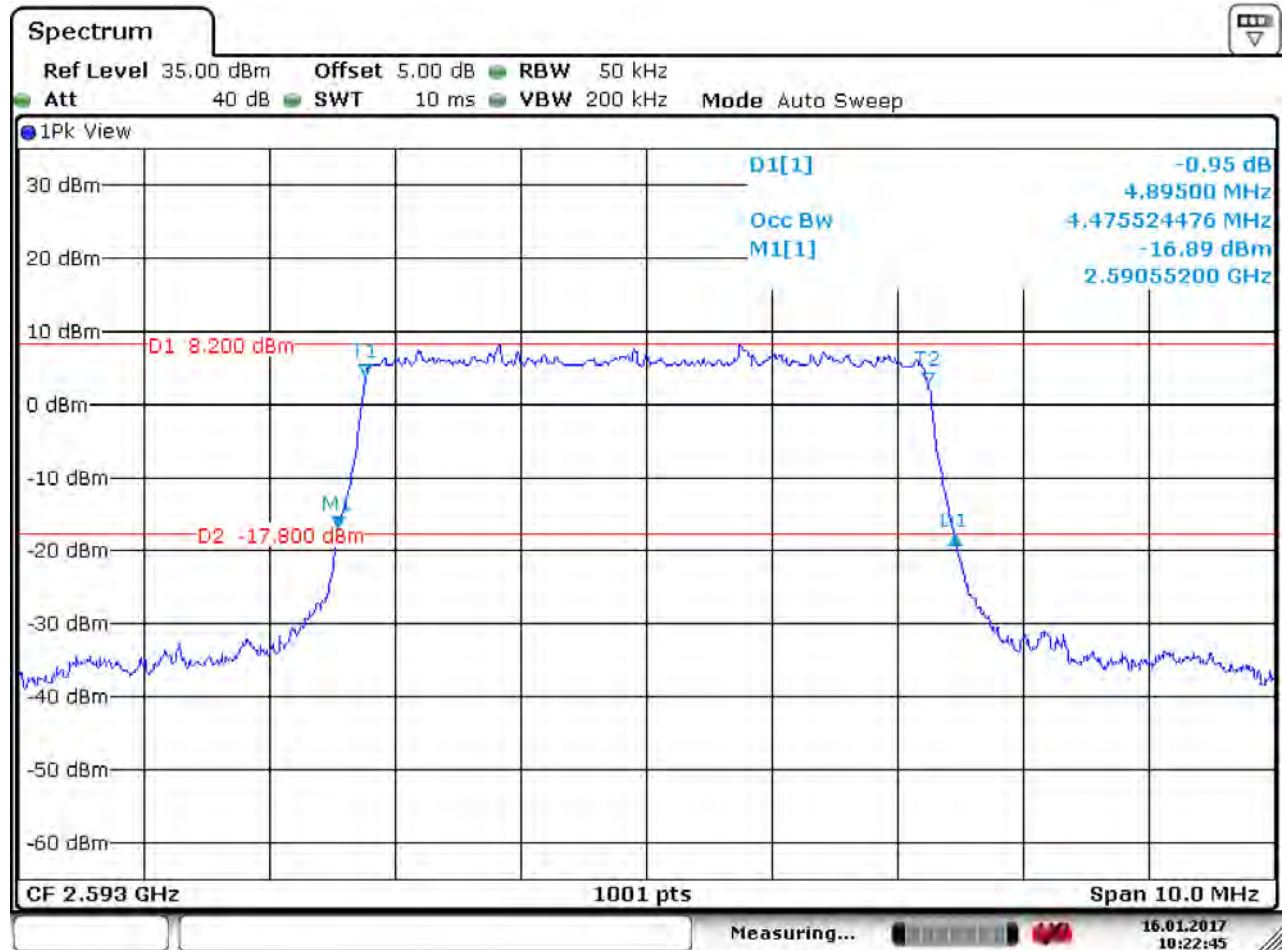
#### 4.1.1.1 Test Mode = LTE/TM1 5MHz

##### 4.1.1.1.1 Test Channel = LCH



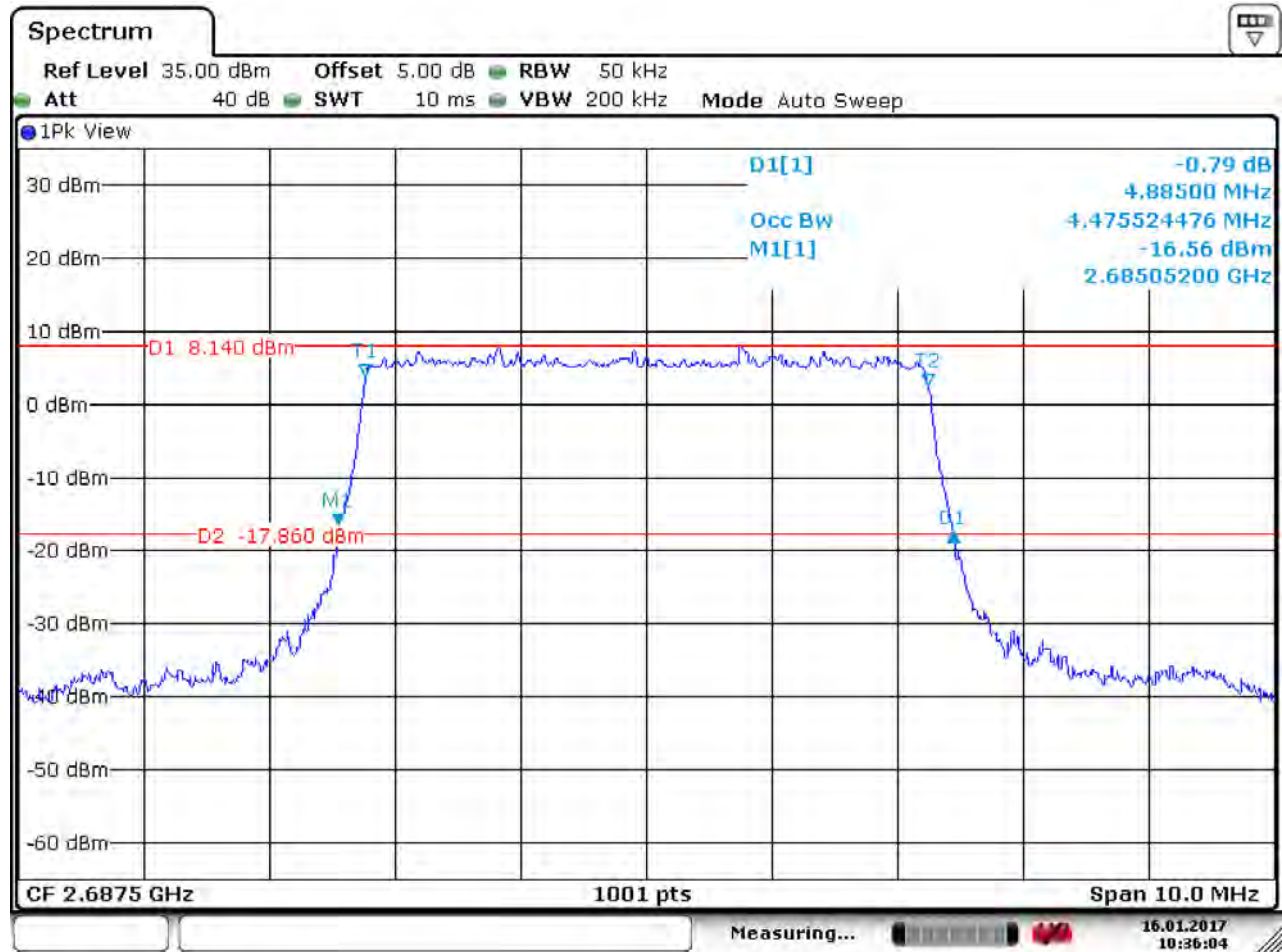
Date: 16.JAN.2017 10:34:08

4.1.1.1.2 Test Channel = MCH



Date: 16.JAN.2017 10:22:46

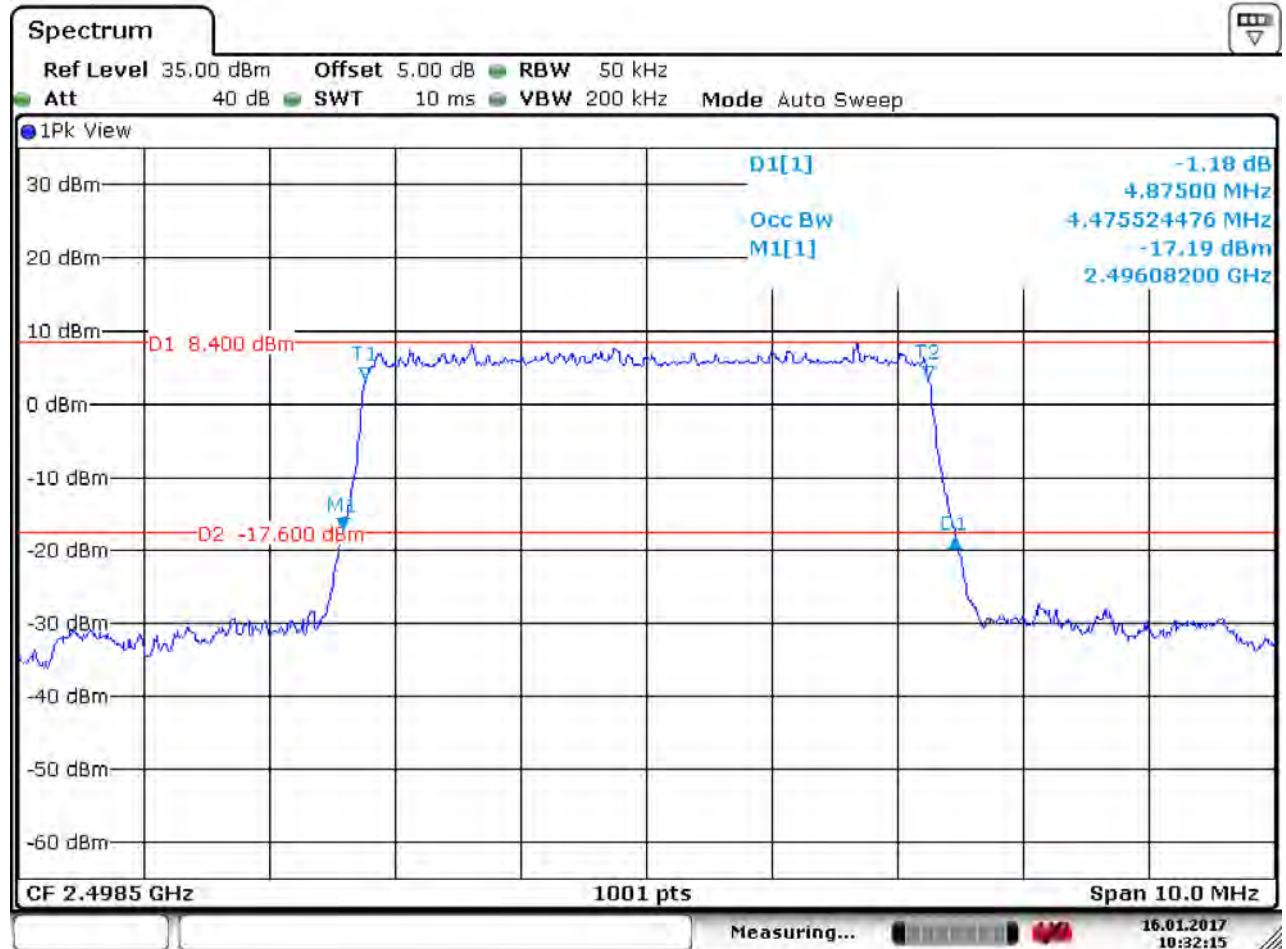
4.1.1.1.3 Test Channel = HCH



Date: 16.JAN.2017 10:36:05

#### 4.1.1.2 Test Mode = LTE/TM2 5MHz

##### 4.1.1.2.1 Test Channel = LCH

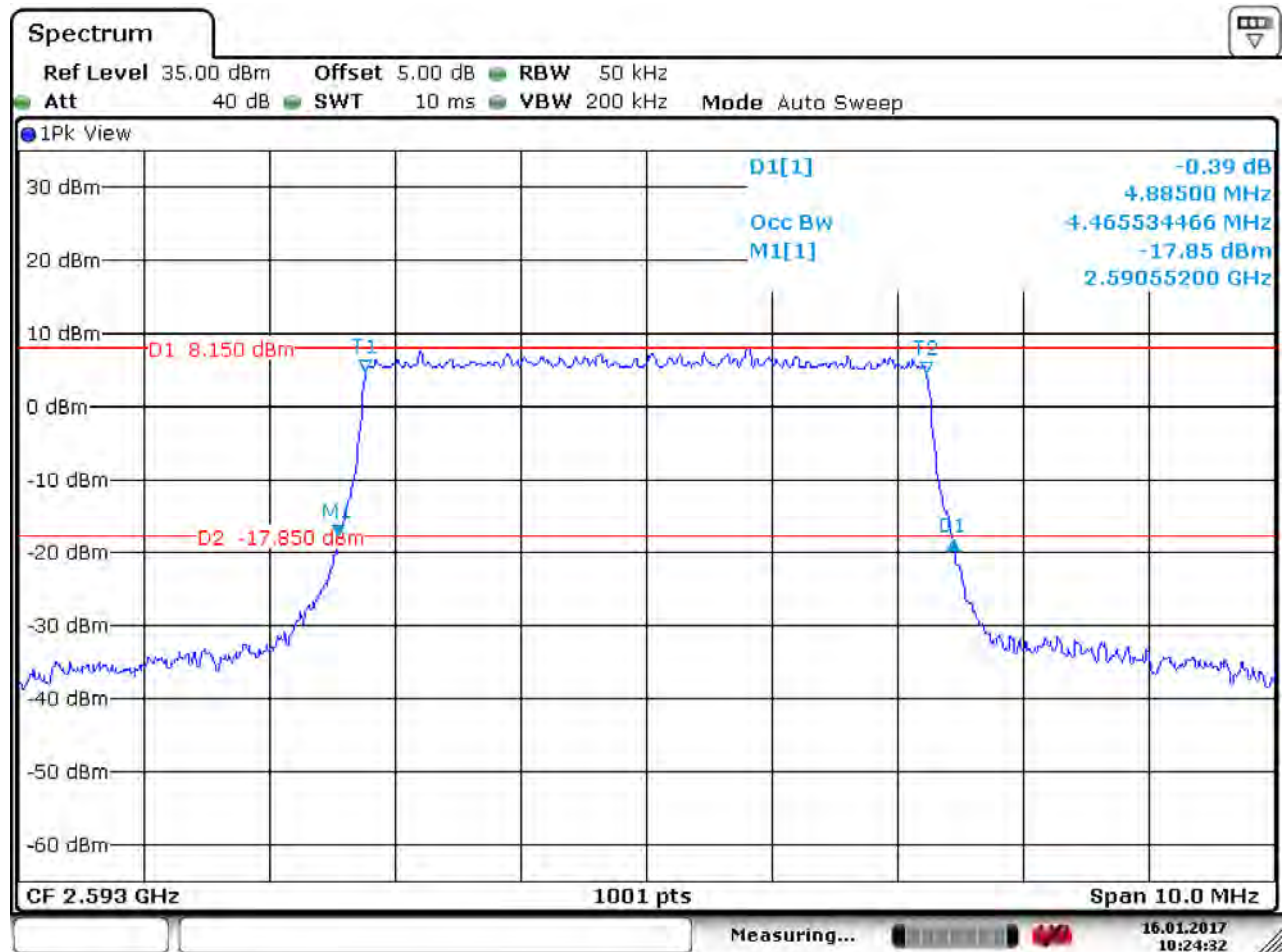


Date: 16.JAN.2017 10:32:15





4.1.1.2.2 Test Channel = MCH

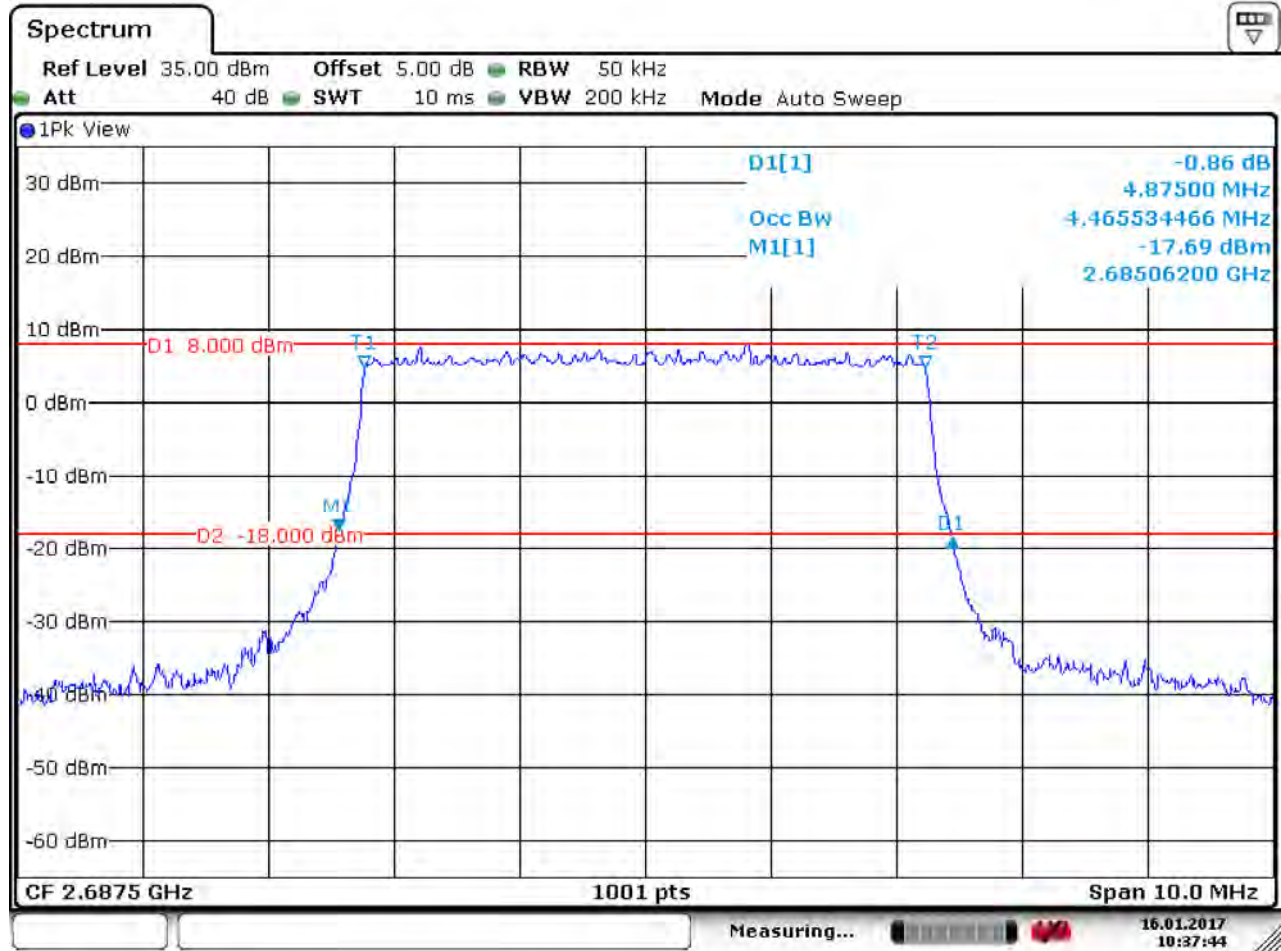


Date: 16.JAN.2017 10:24:32





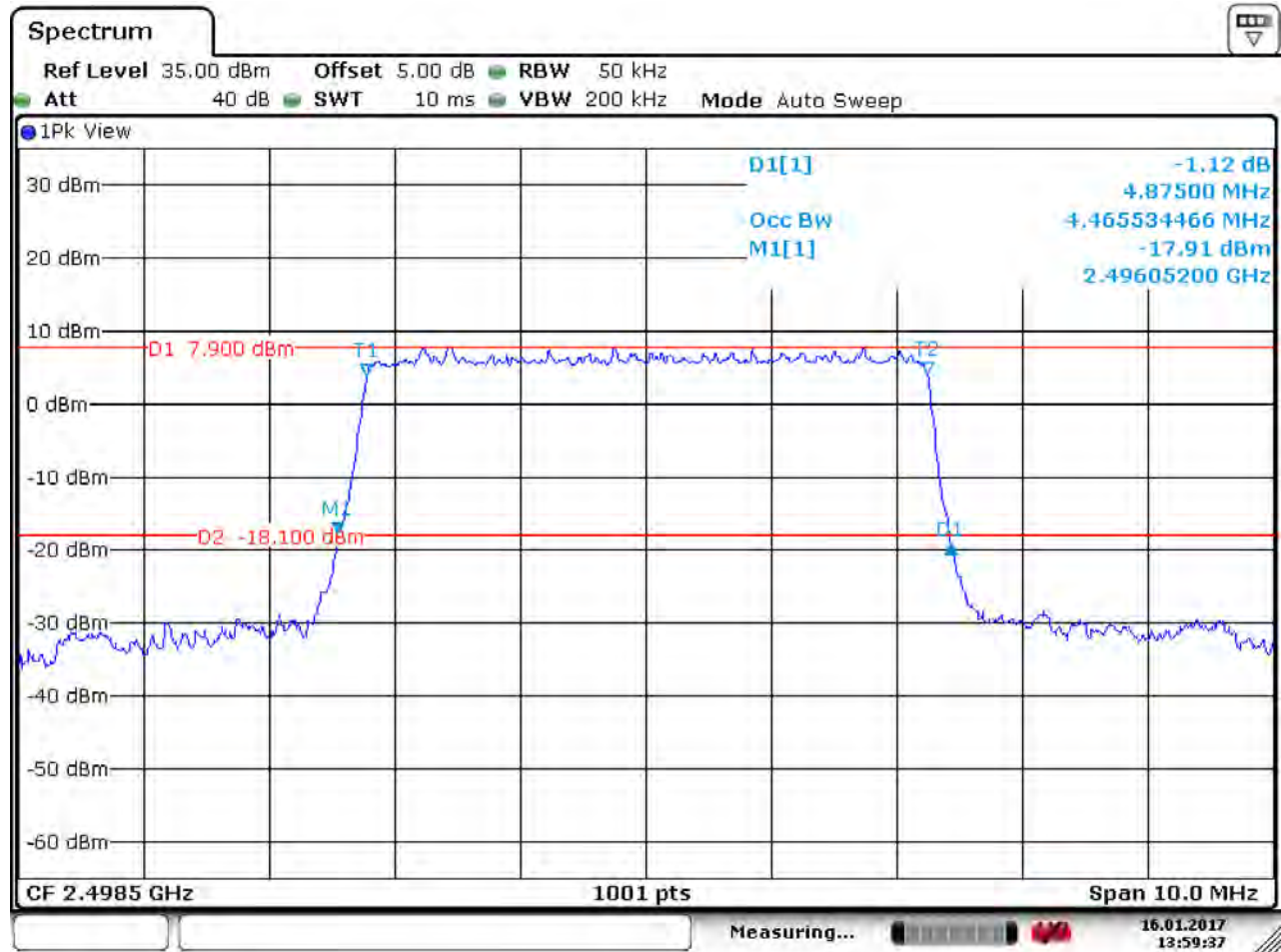
4.1.1.2.3 Test Channel = HCH



Date: 16.JAN.2017 10:37:44

#### 4.1.1.3 Test Mode = LTE/TM3 5MHz

#### 4.1.1.3.1 Test Channel = LCH

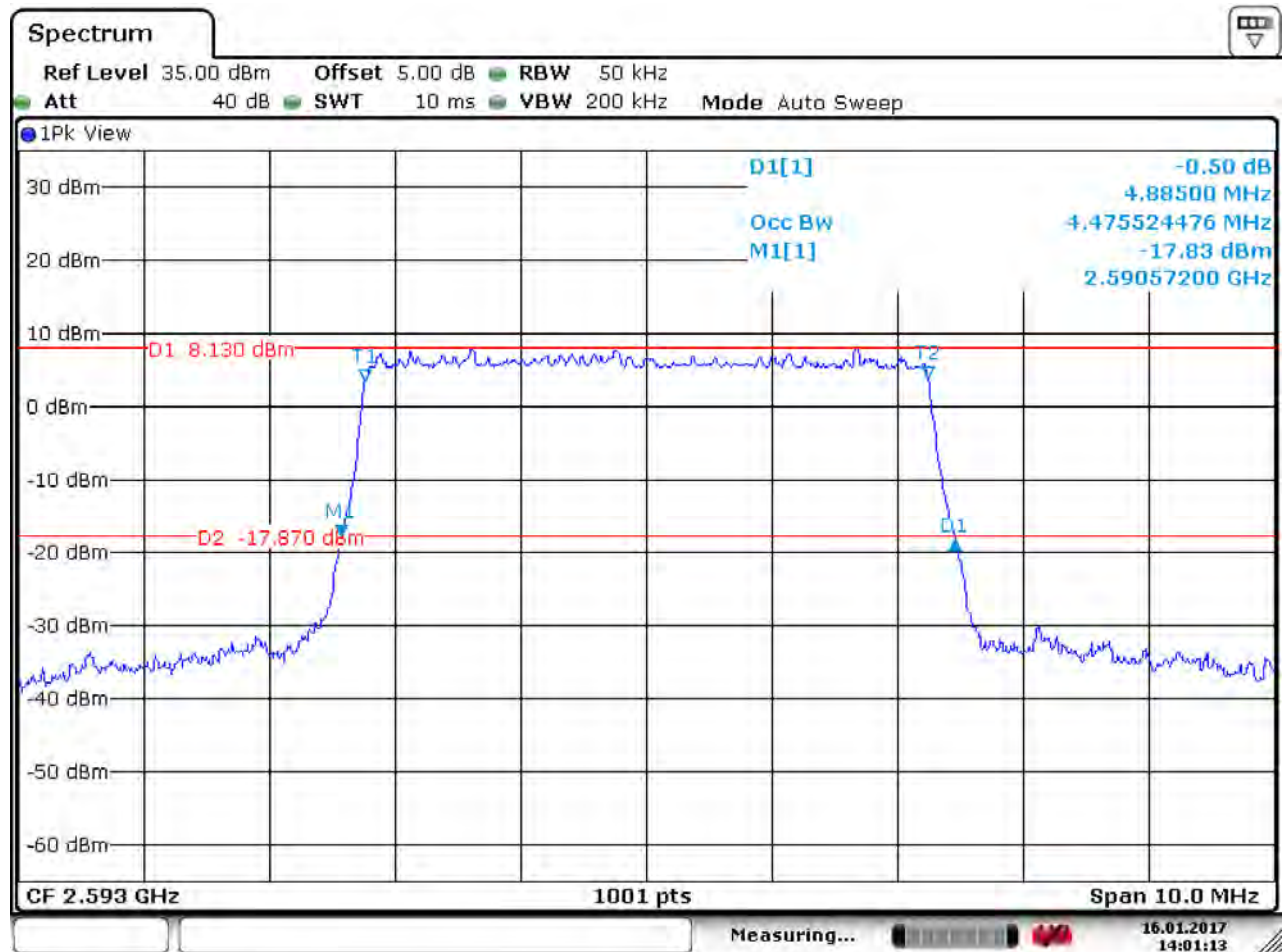


Date: 16 JAN 2017 13:59:37

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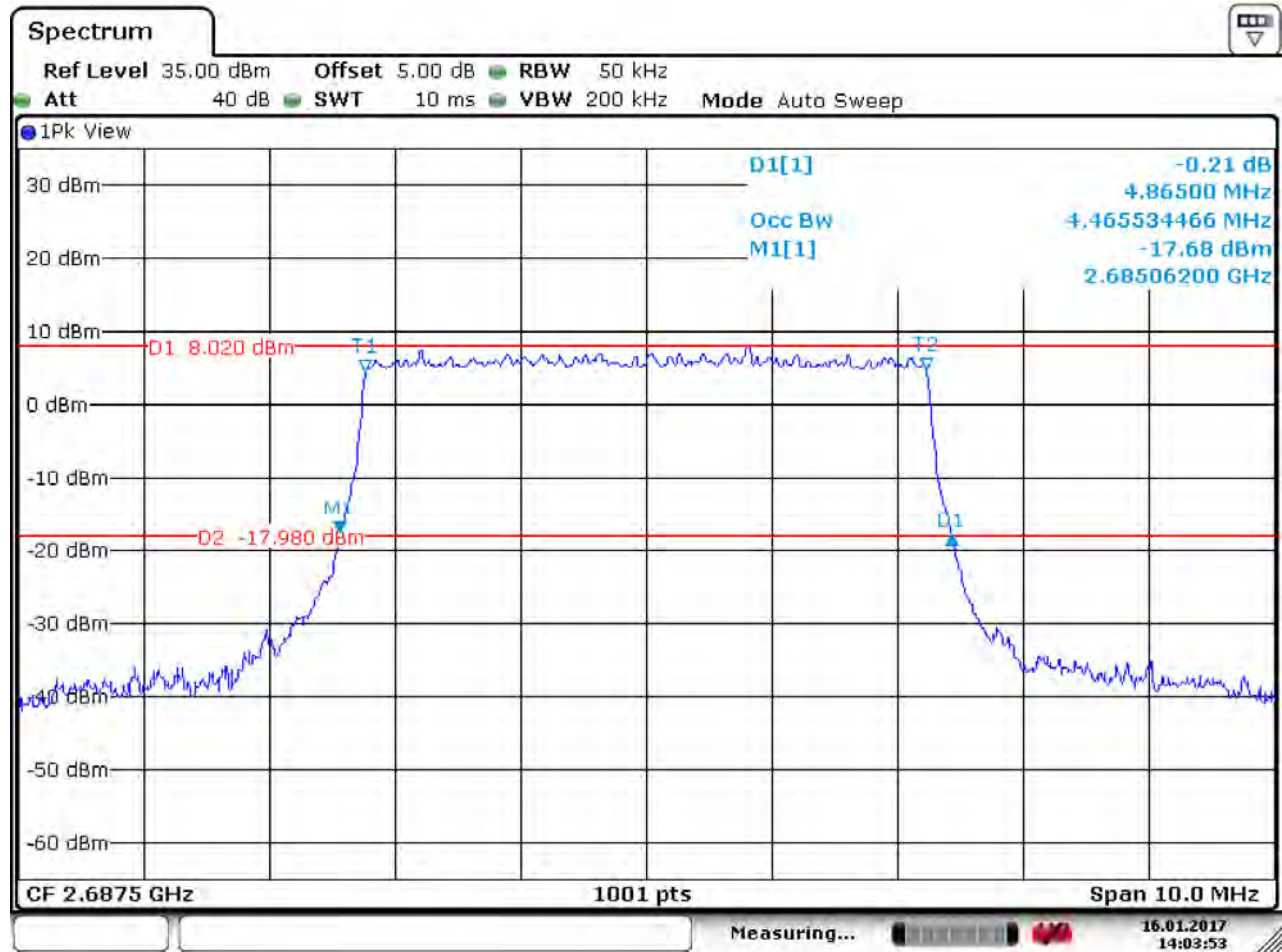


4.1.1.3.2 Test Channel = MCH



Date: 16.JAN.2017 14:01:14

#### 4.1.1.3.3 Test Channel = HCH

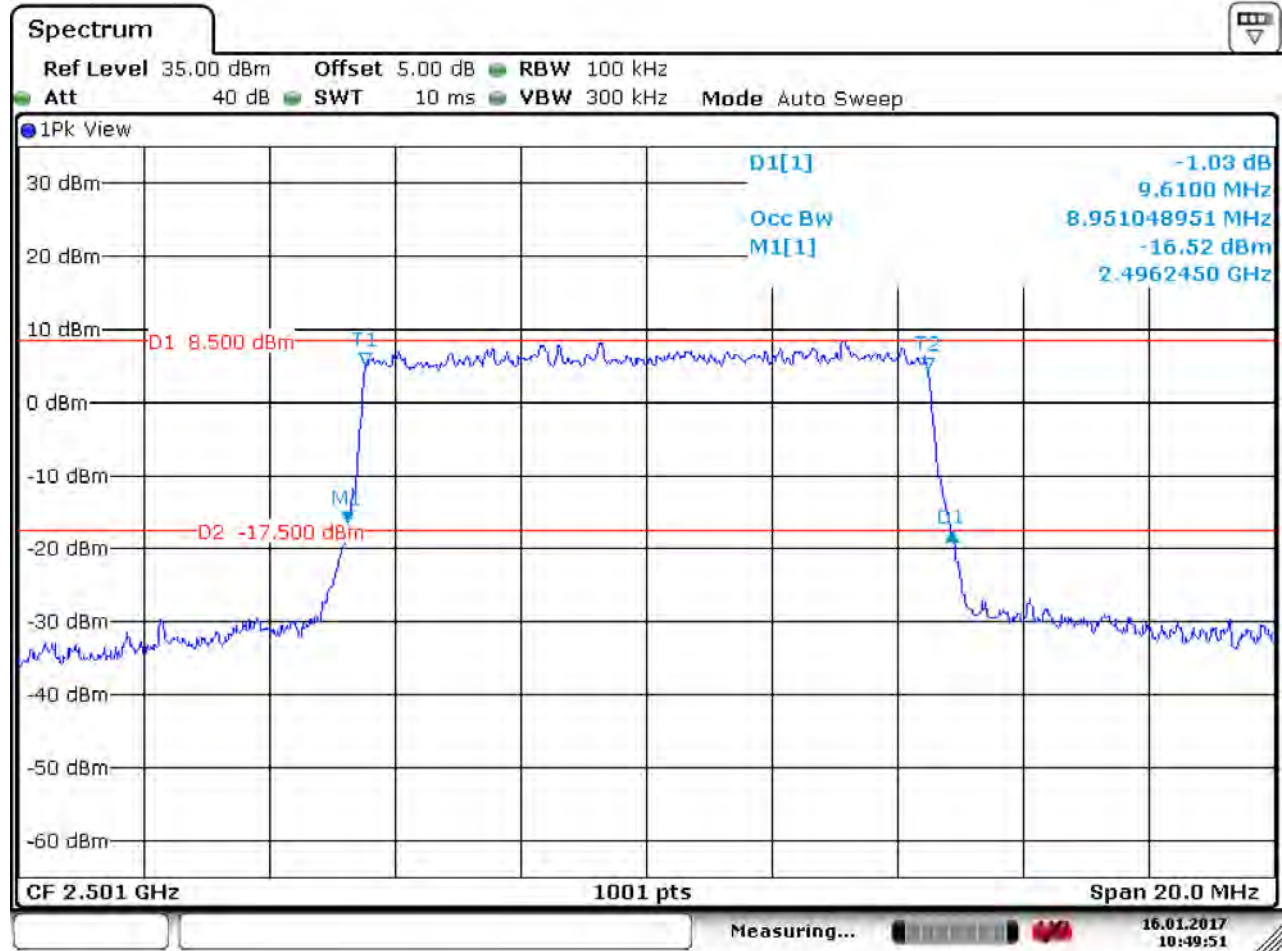


Date: 16.JAN.2017 14:03:54



#### 4.1.1.4 Test Mode = LTE/TM1 10MHz

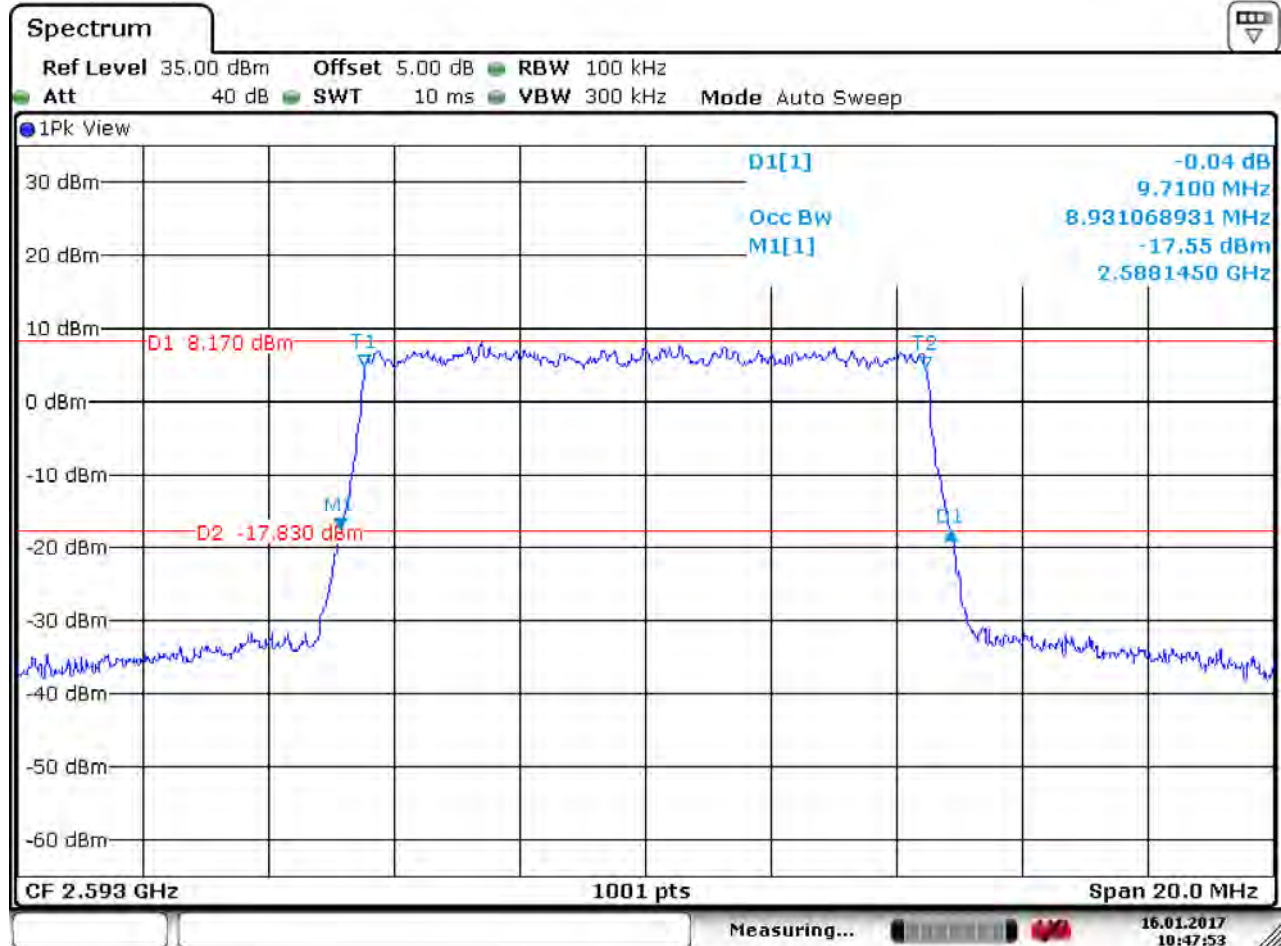
##### 4.1.1.4.1 Test Channel = LCH



Date: 16.JAN.2017 10:49:51

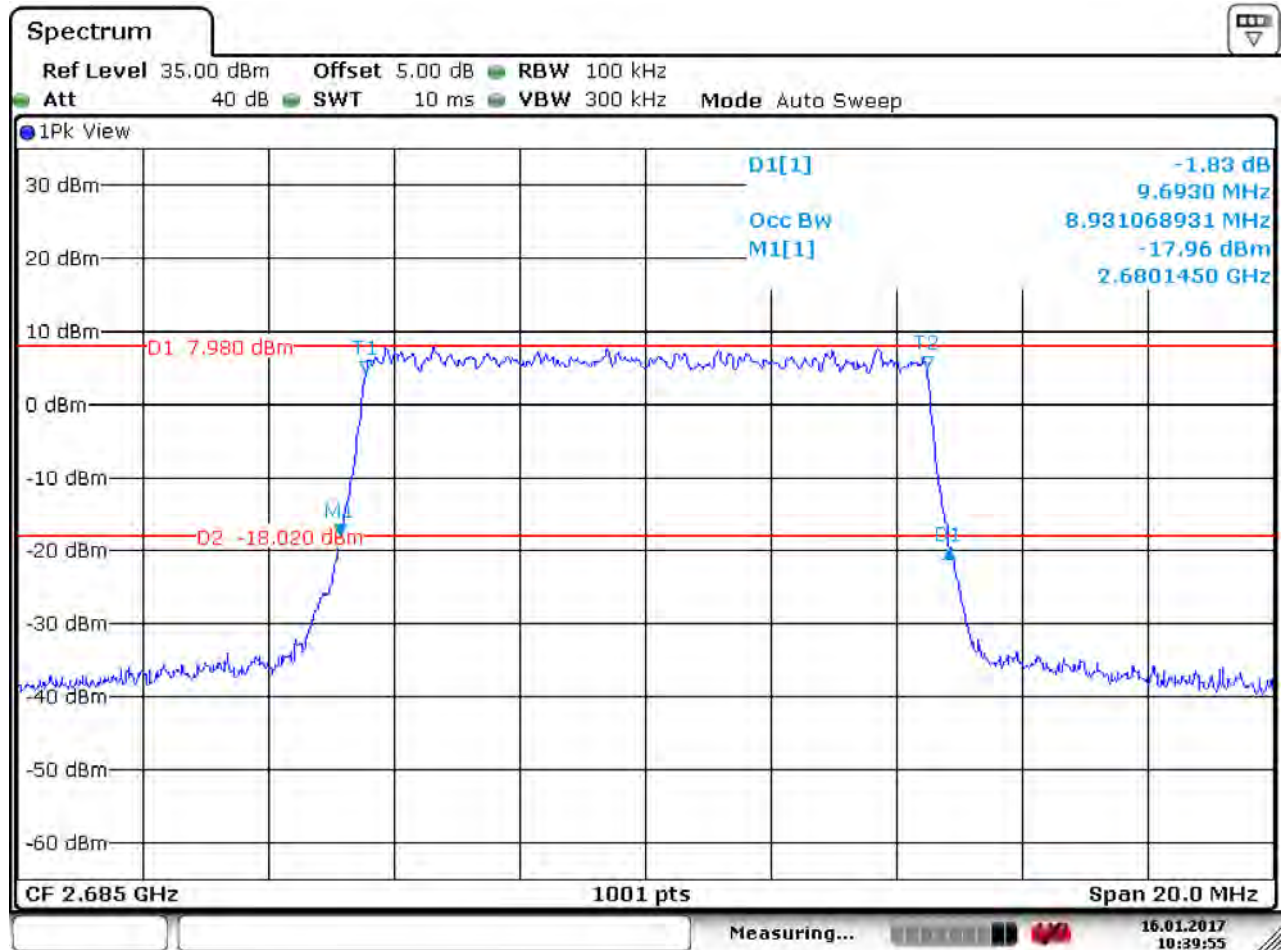


4.1.1.4.2 Test Channel = MCH



Date: 16.JAN.2017 10:47:53

#### 4.1.1.4.3 Test Channel = HCH



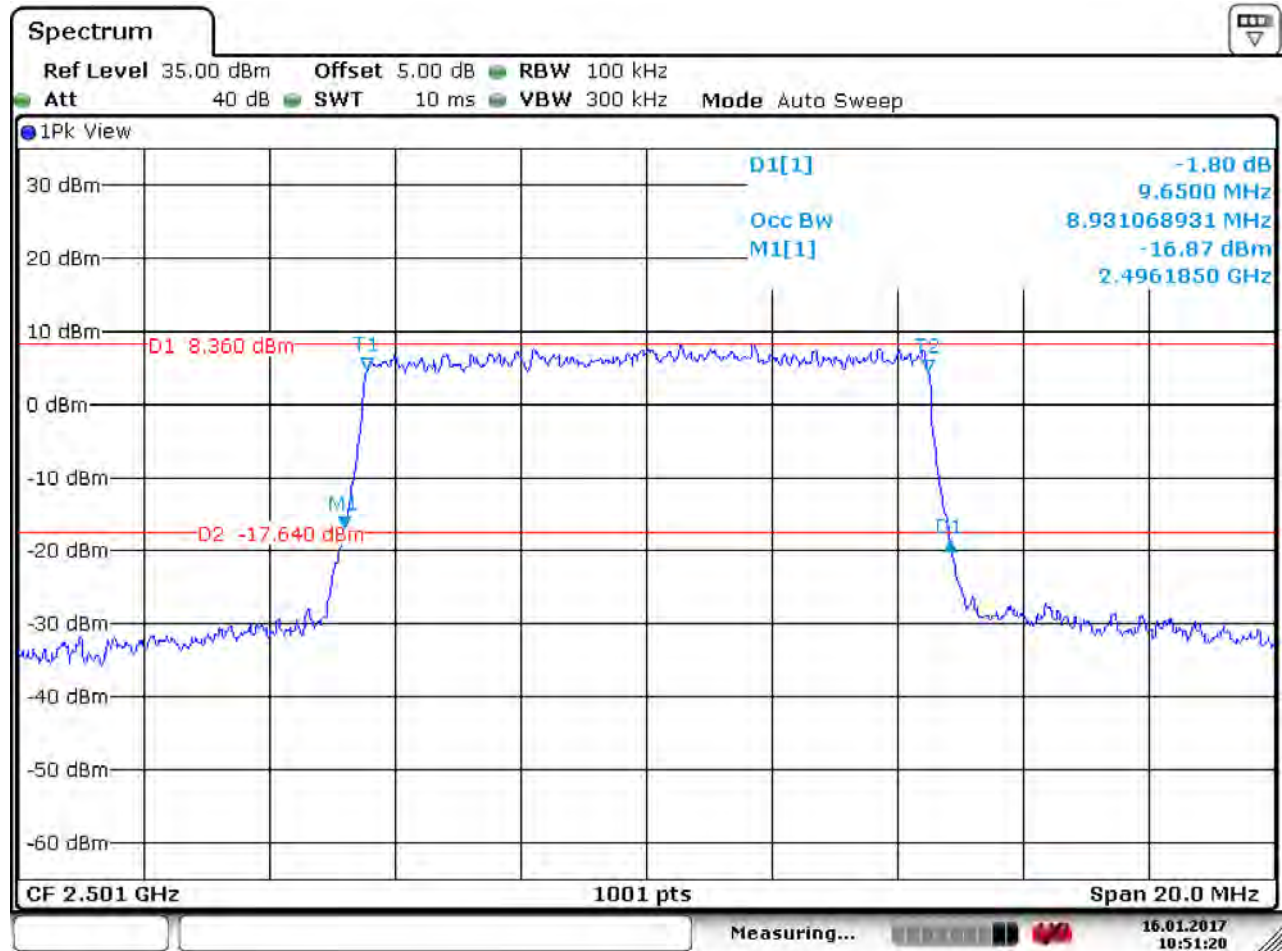
Date: 16.JAN.2017 10:39:56

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4.1.1.5 Test Mode = LTE/TM2 10MHz

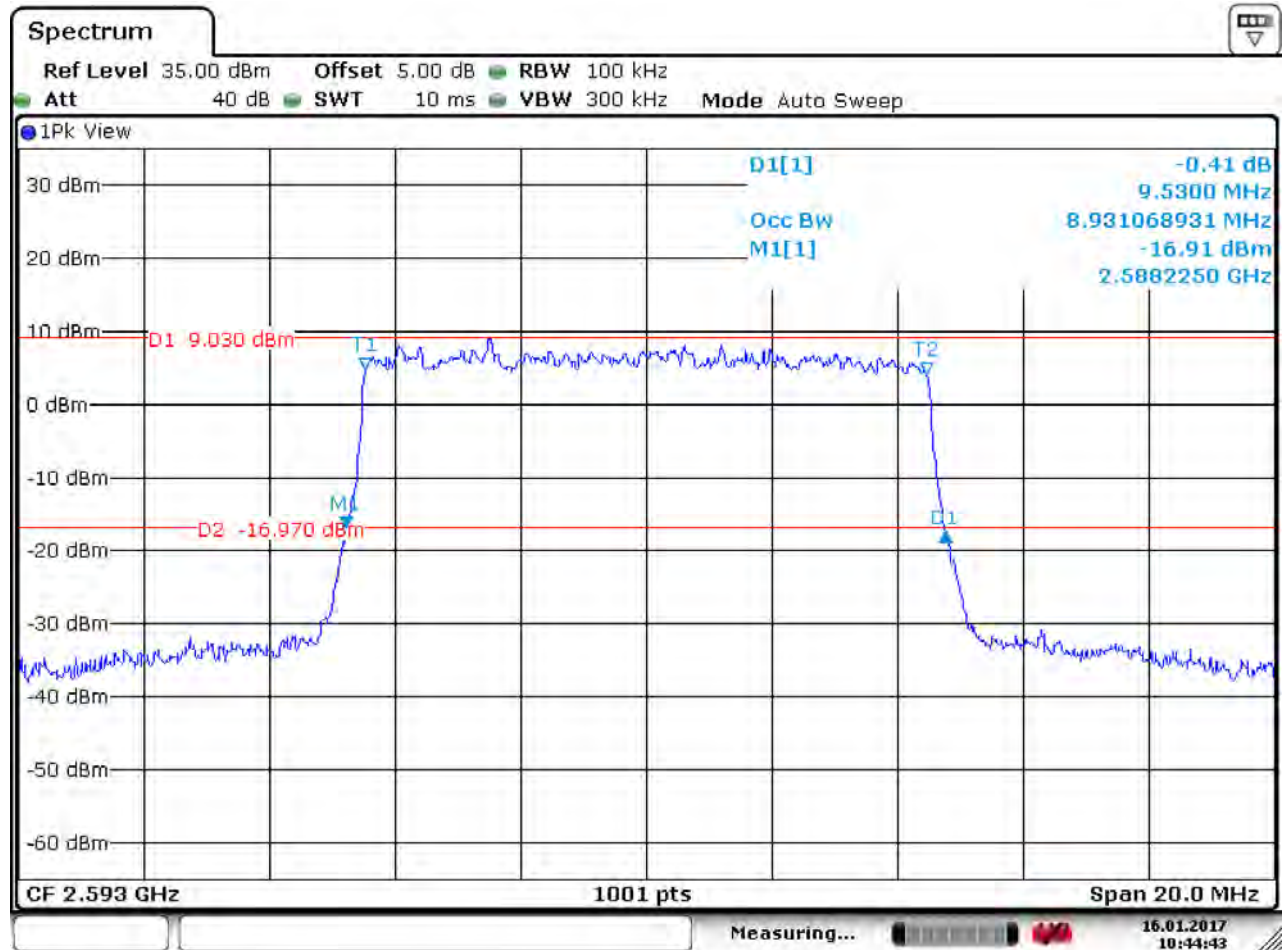
4.1.1.5.1 Test Channel = LCH



Date: 16.JAN.2017 10:51:21

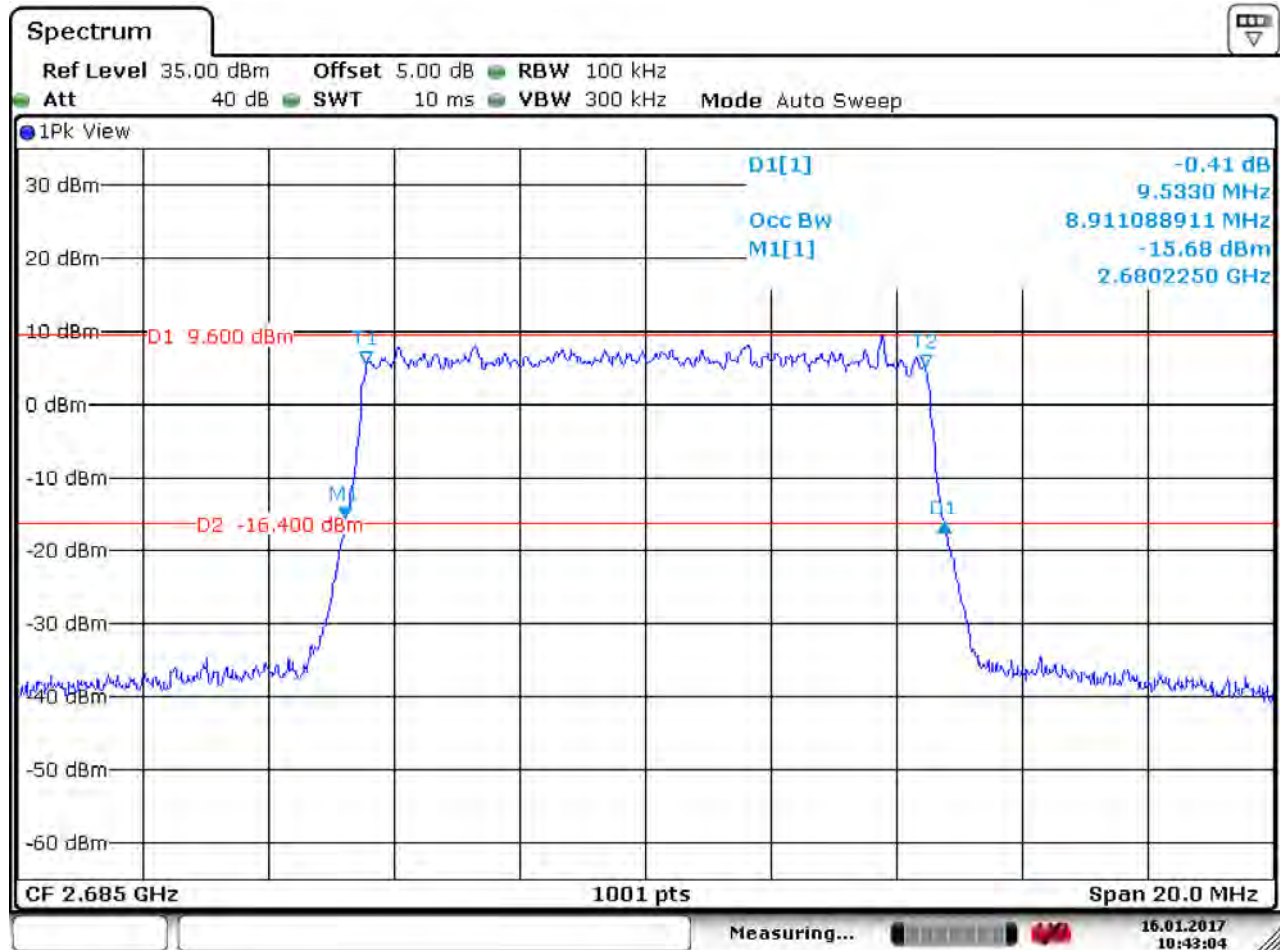


4.1.1.5.2 Test Channel = MCH



Date: 16.JAN.2017 10:44:44

#### 4.1.1.5.3 Test Channel = HCH

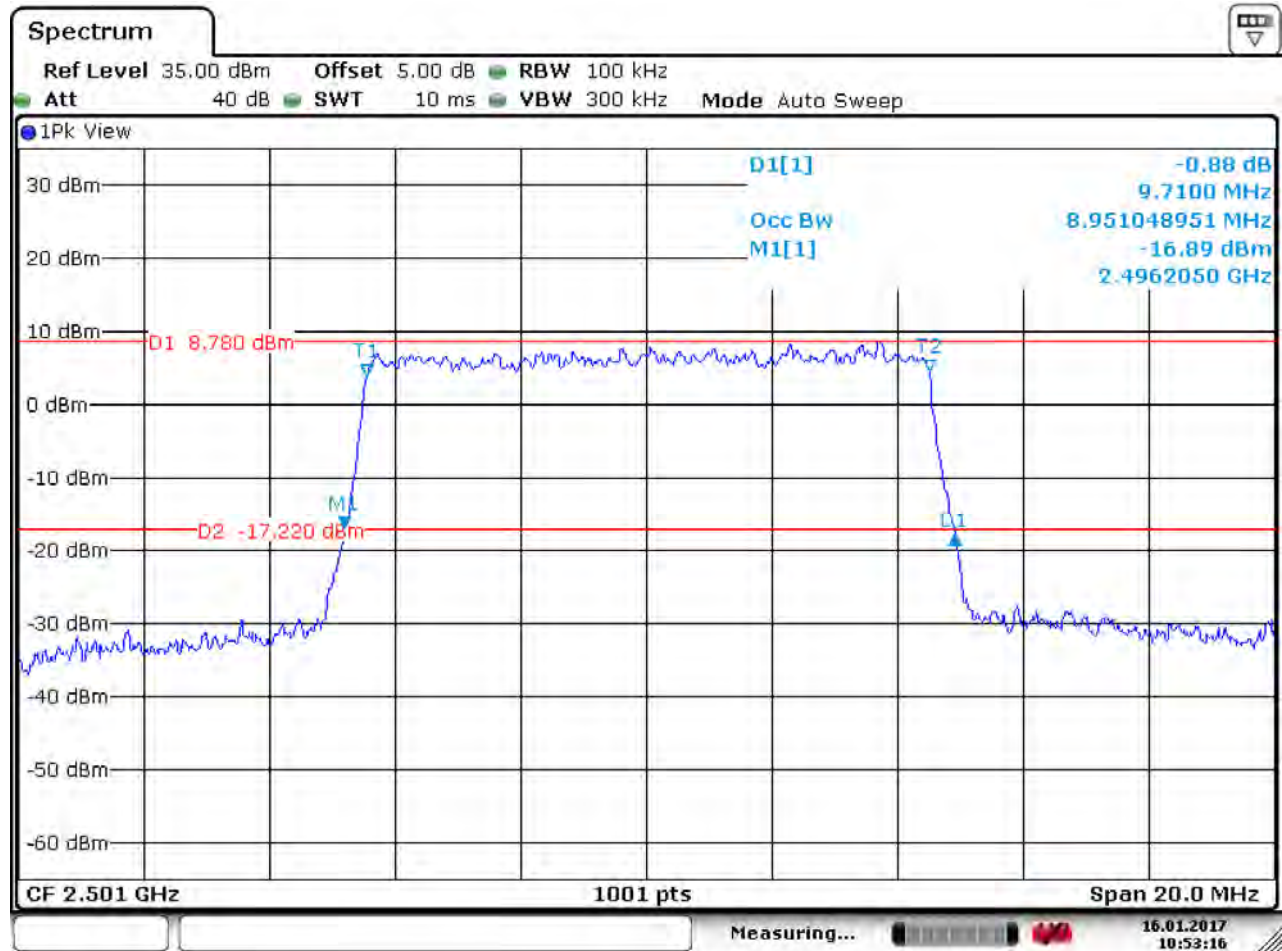


Date: 16.JAN.2017 10:43:04



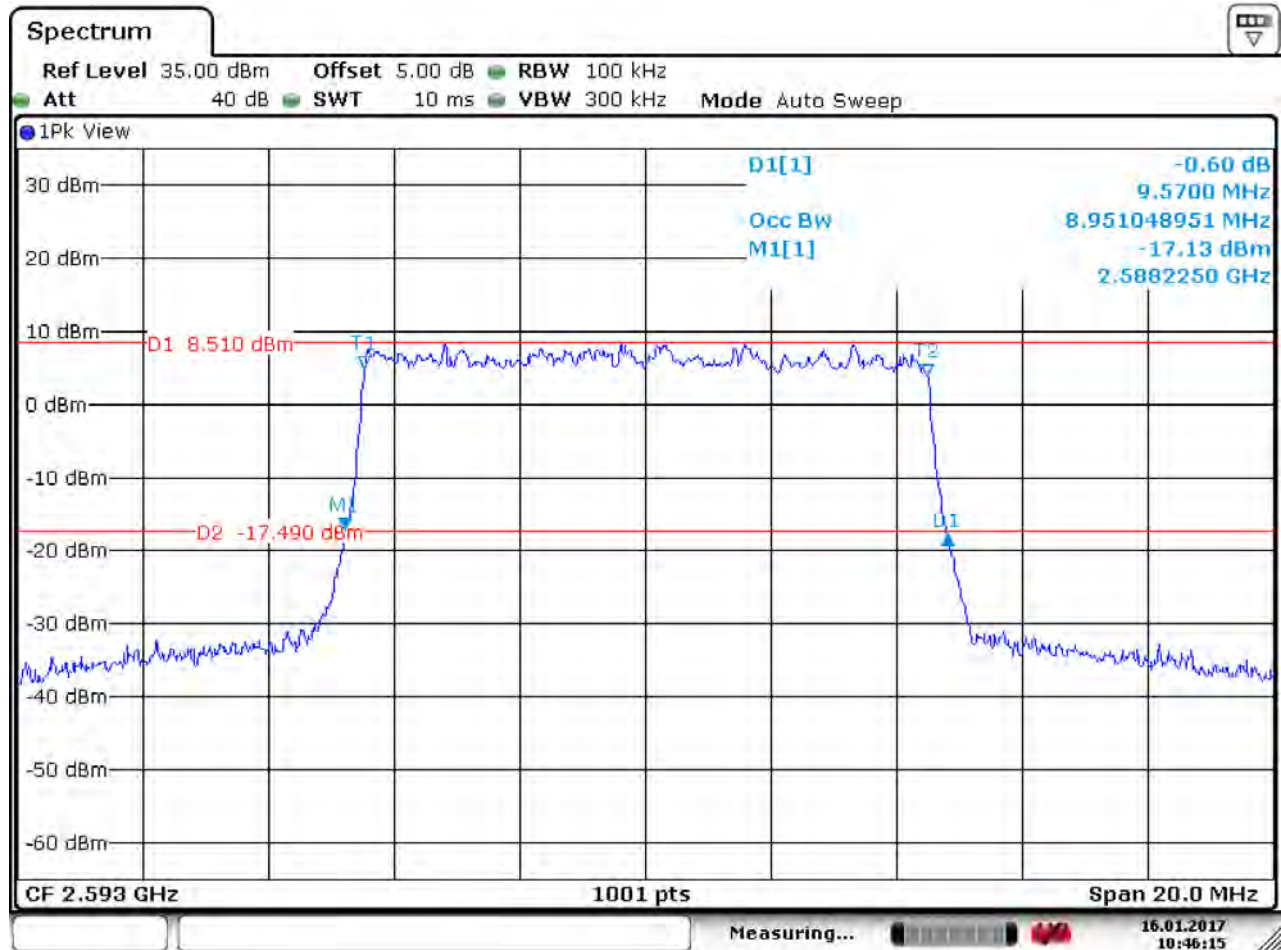
4.1.1.6 Test Mode = LTE/TM3 10MHz

4.1.1.6.1 Test Channel = LCH



Date: 16.JAN.2017 10:53:17

#### 4.1.1.6.2 Test Channel = MCH

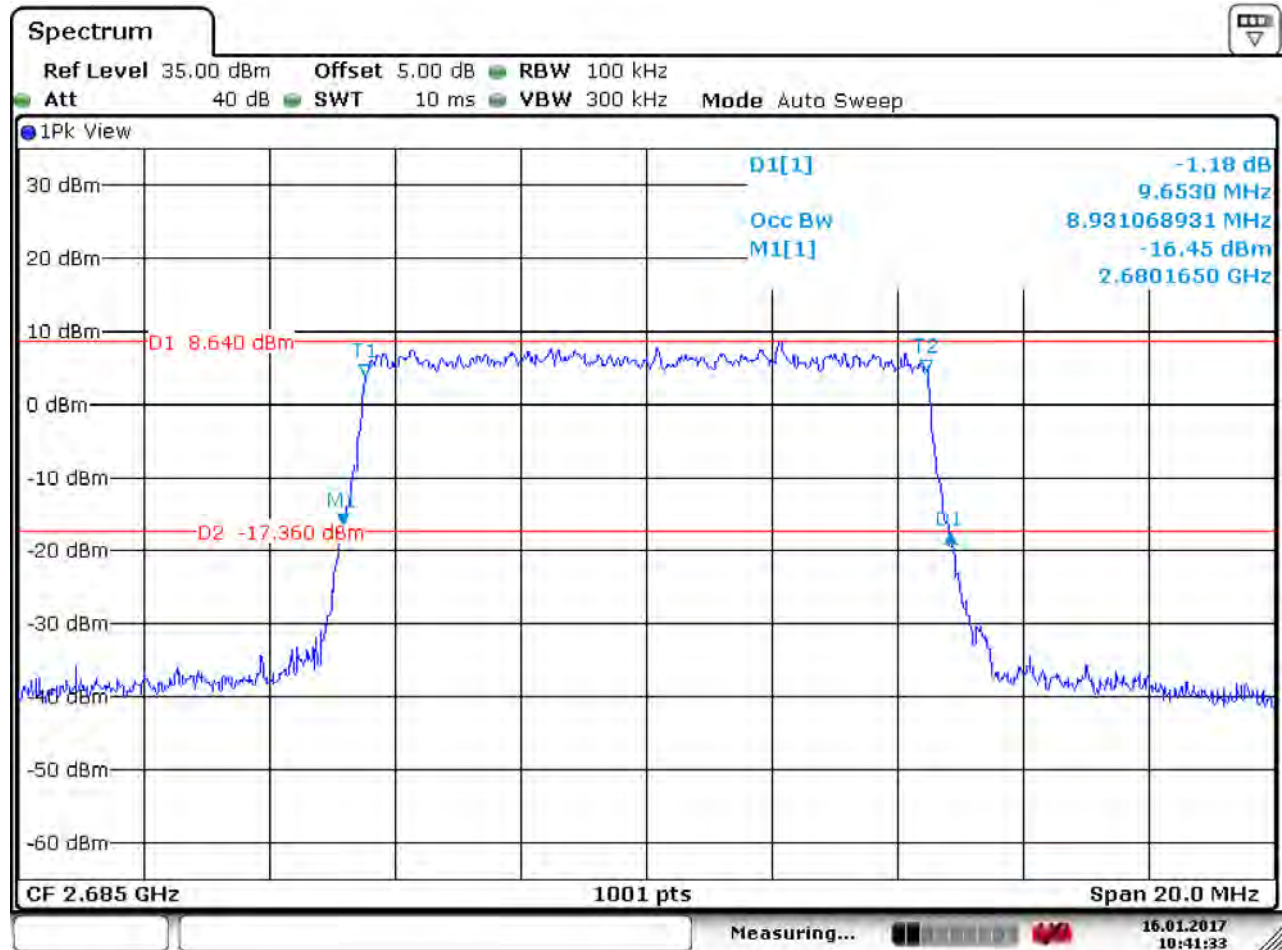


Date: 16.JAN.2017 10:46:15





4.1.1.6.3 Test Channel = HCH

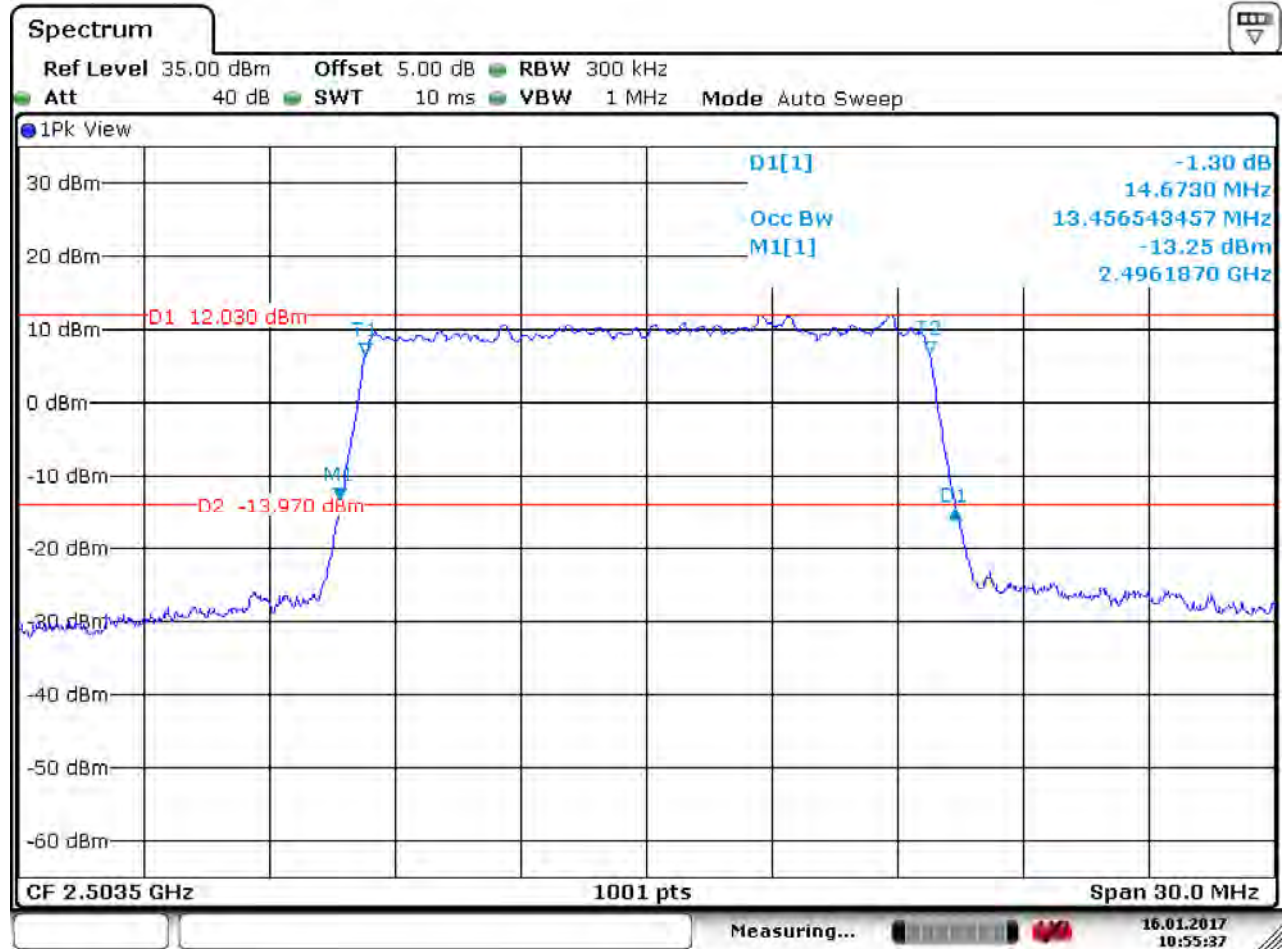


Date: 16.JAN.2017 10:41:33



4.1.1.7 Test Mode = LTE/TM1 15MHz

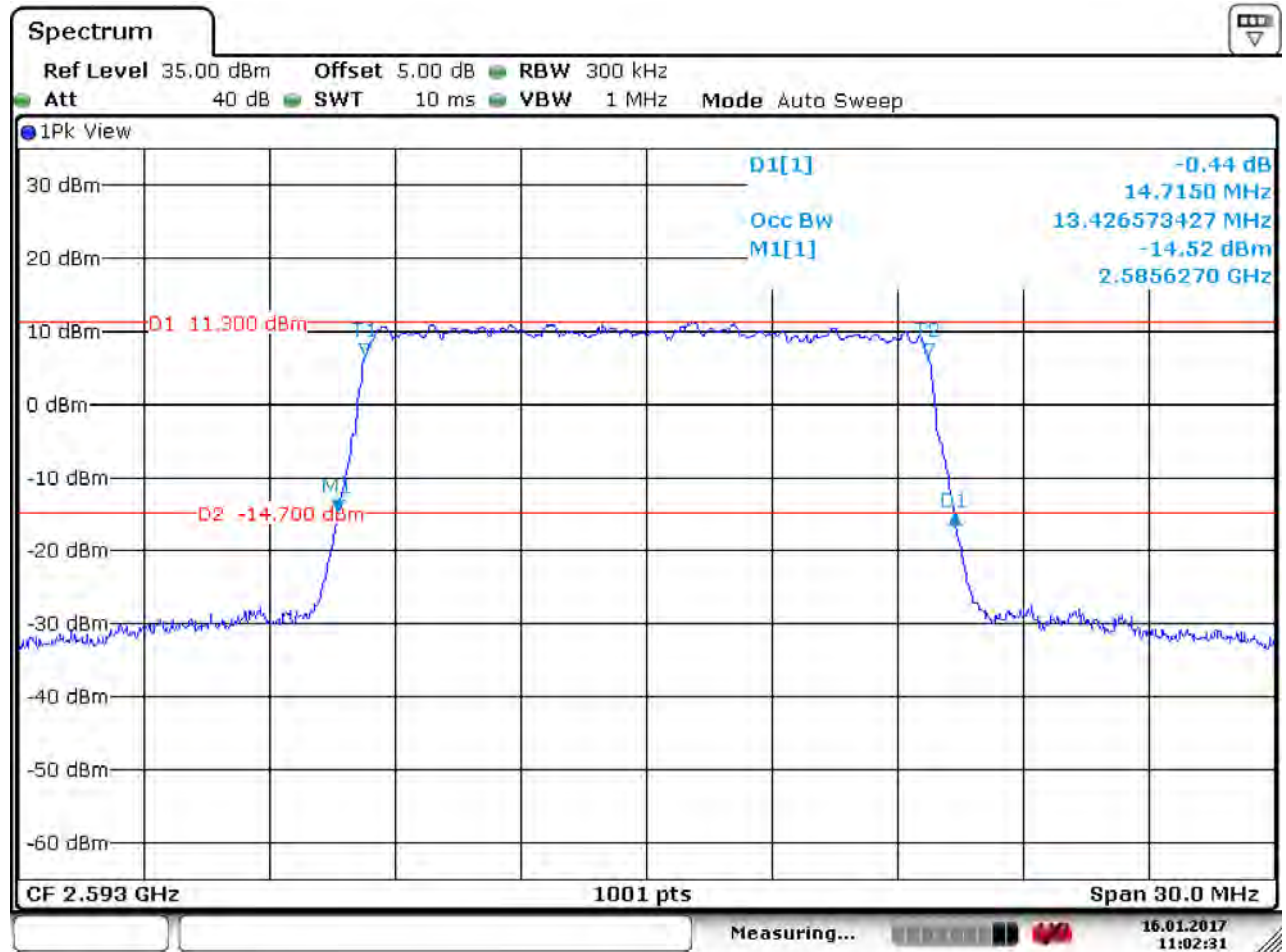
4.1.1.7.1 Test Channel = LCH



Date: 16.JAN.2017 10:55:38



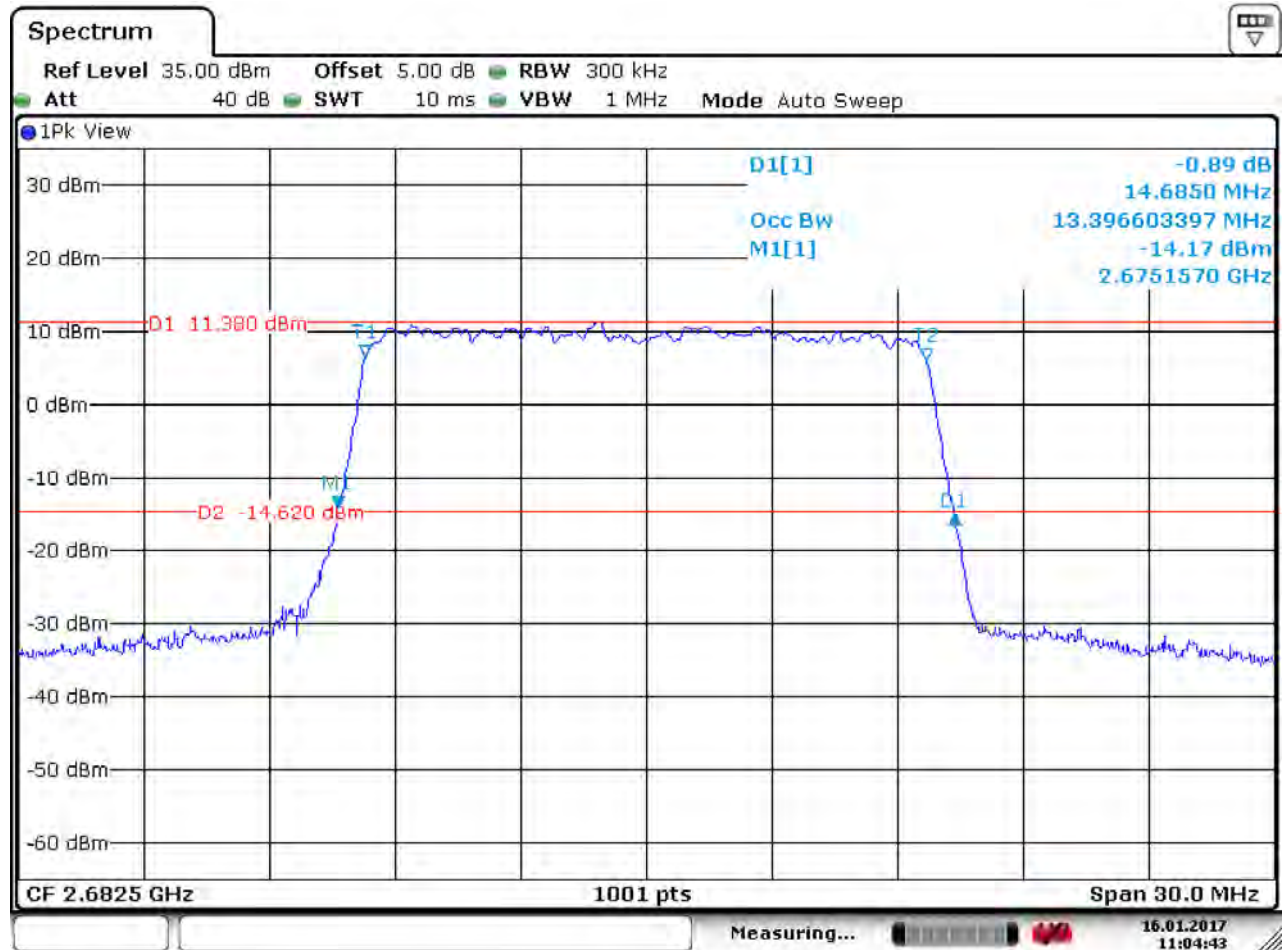
4.1.1.7.2 Test Channel = MCH



Date: 16.JAN.2017 11:02:32



4.1.1.7.3 Test Channel = HCH

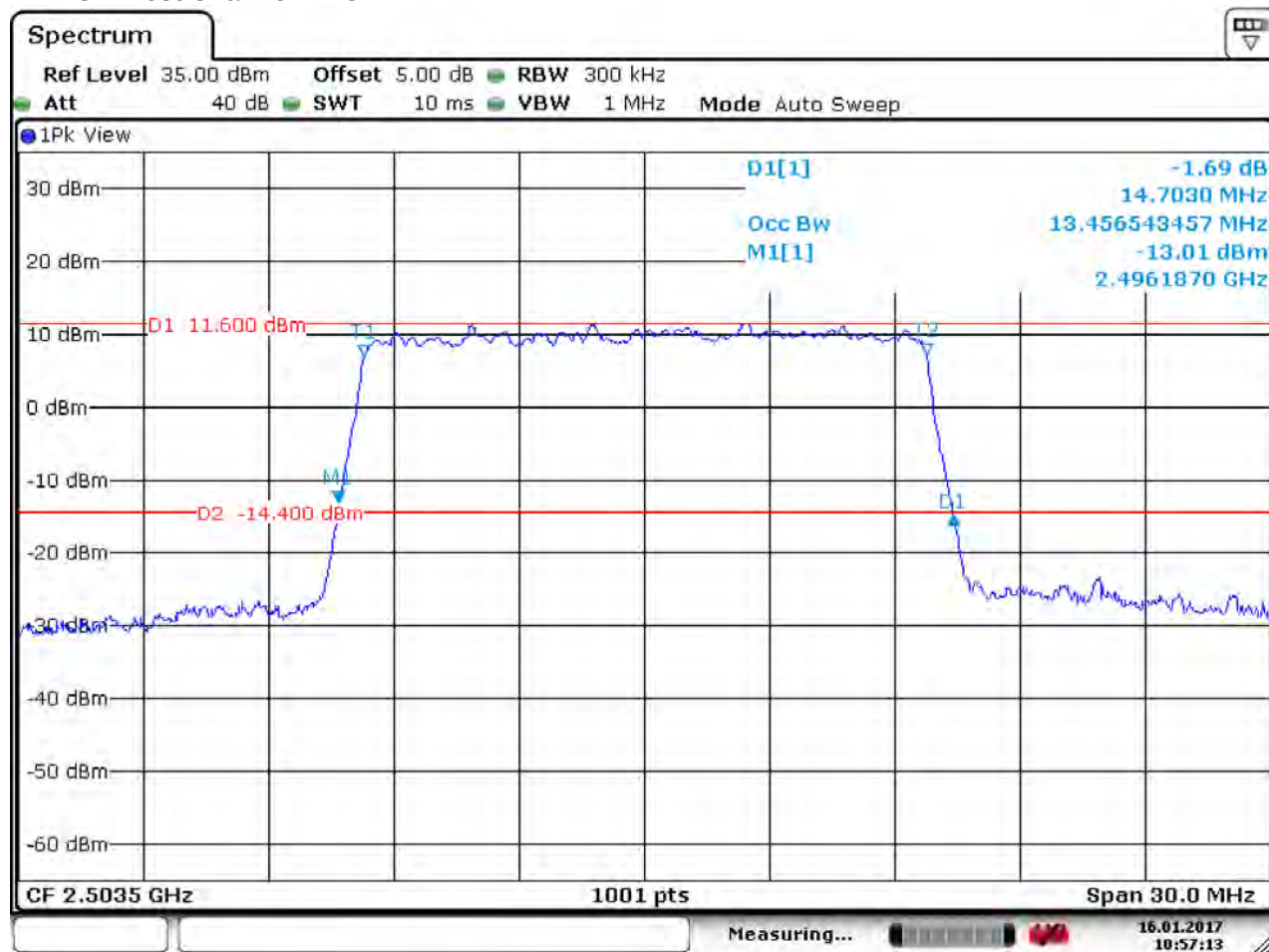


Date: 16.JAN.2017 11:04:43



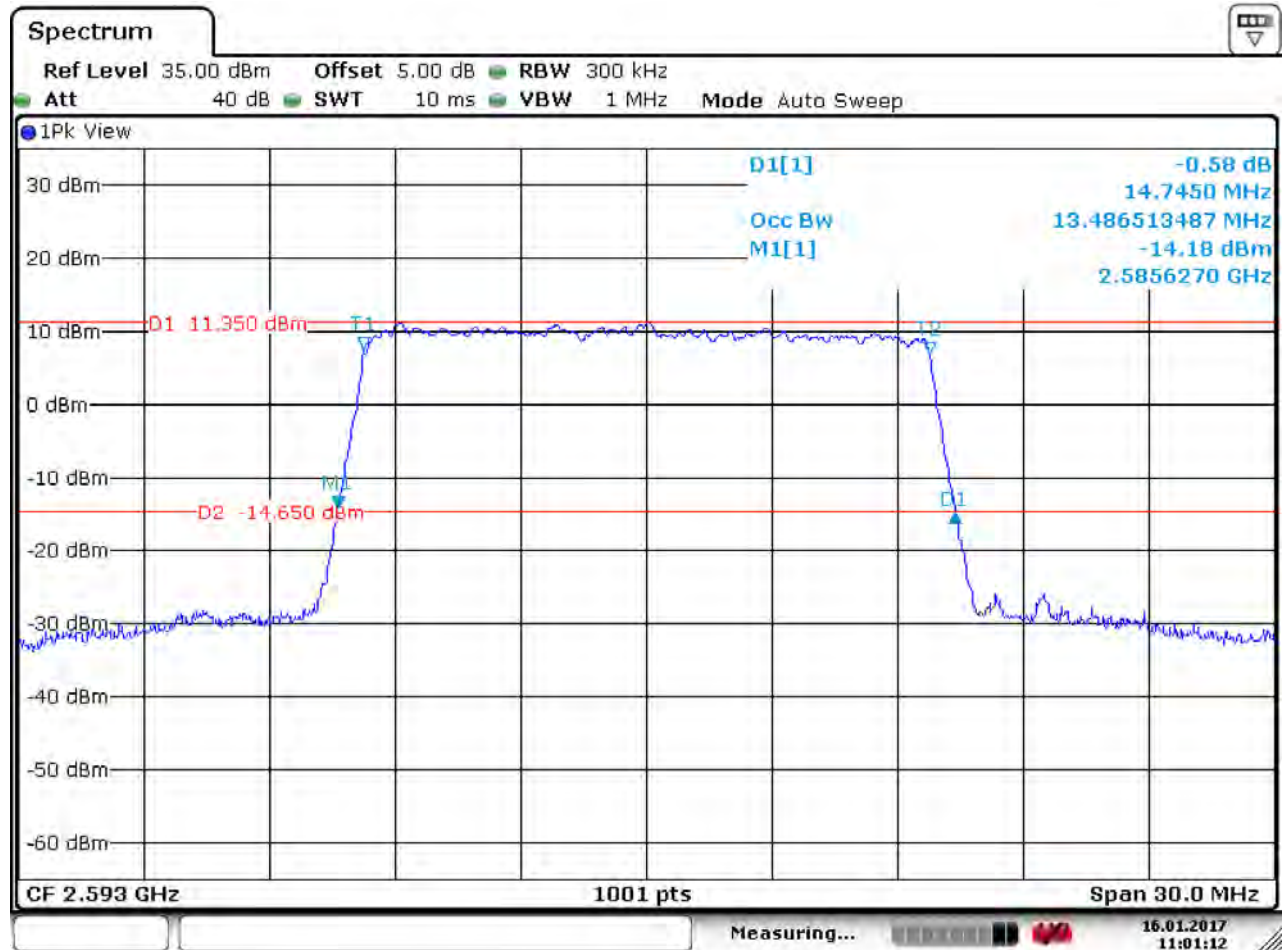
#### 4.1.1.8 Test Mode = LTE/TM2 15MHz

#### 4.1.1.8.1 Test Channel = LCH



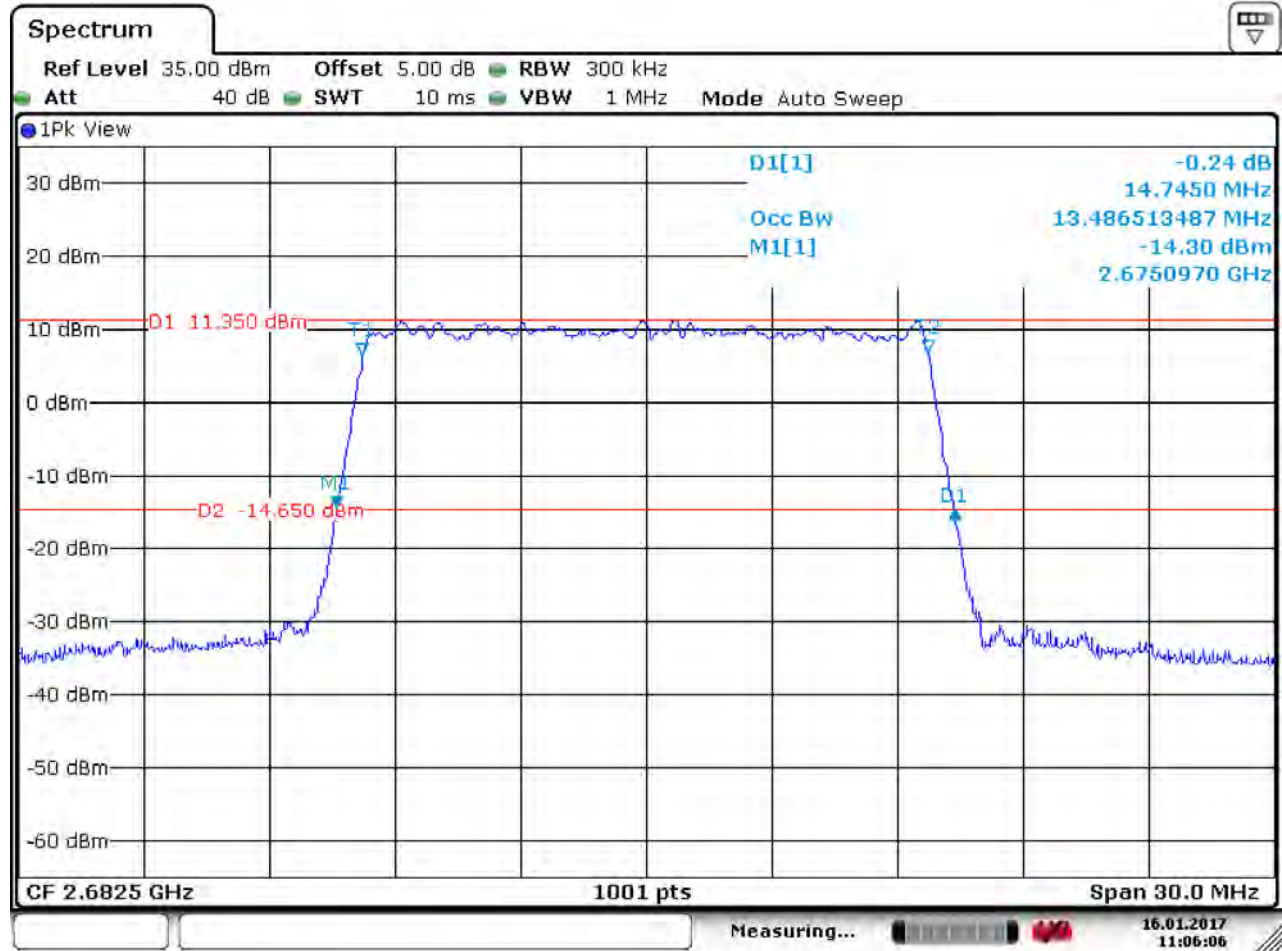
Date: 16 JAN 2017 10:57:13

4.1.1.8.2 Test Channel = MCH



Date: 16.JAN.2017 11:01:13

#### 4.1.1.8.3 Test Channel = HCH

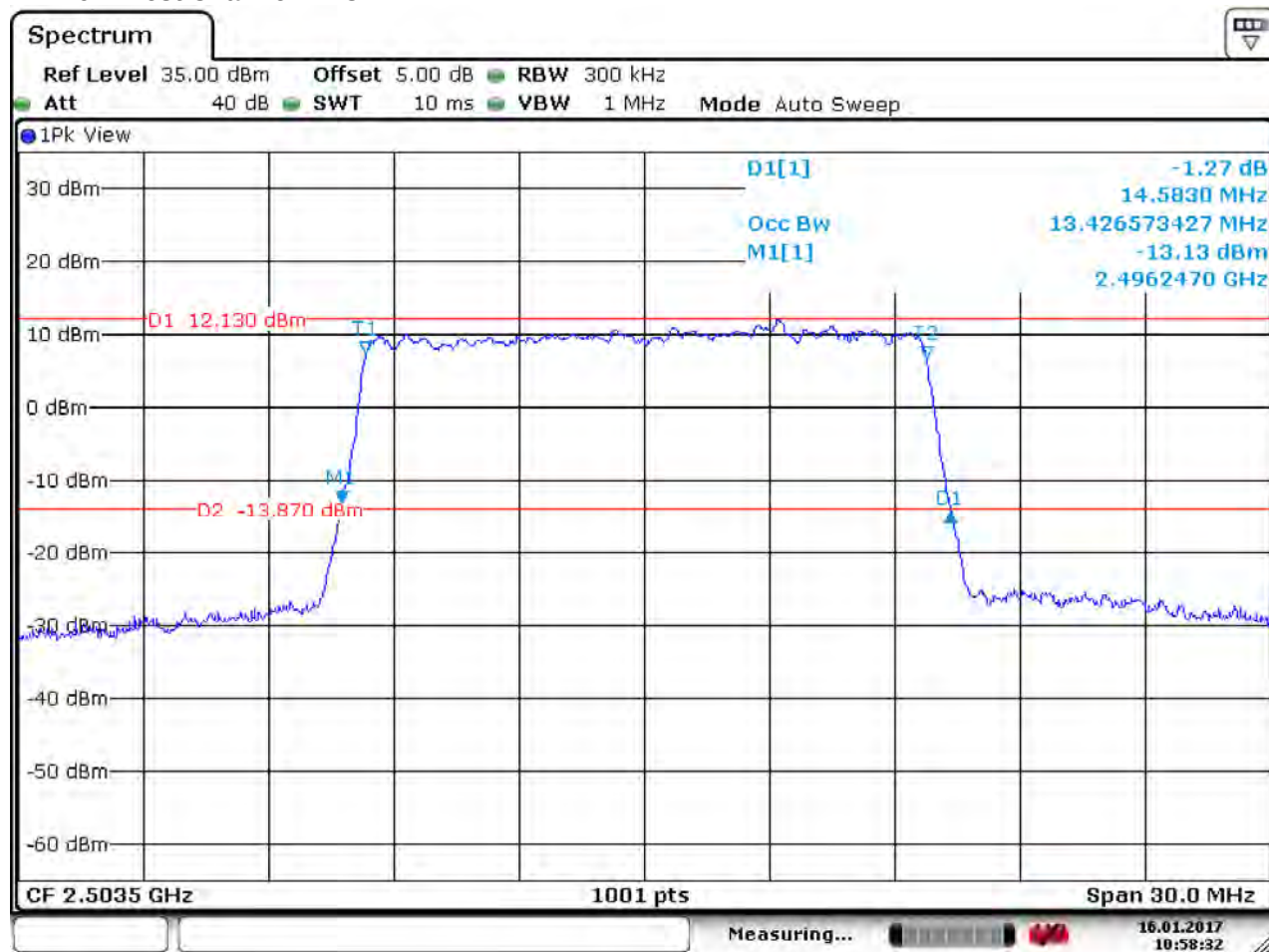


Date: 16.JAN.2017 11:06:07



4.1.1.9 Test Mode = LTE/TM3 15MHz

4.1.1.9.1 Test Channel = LCH

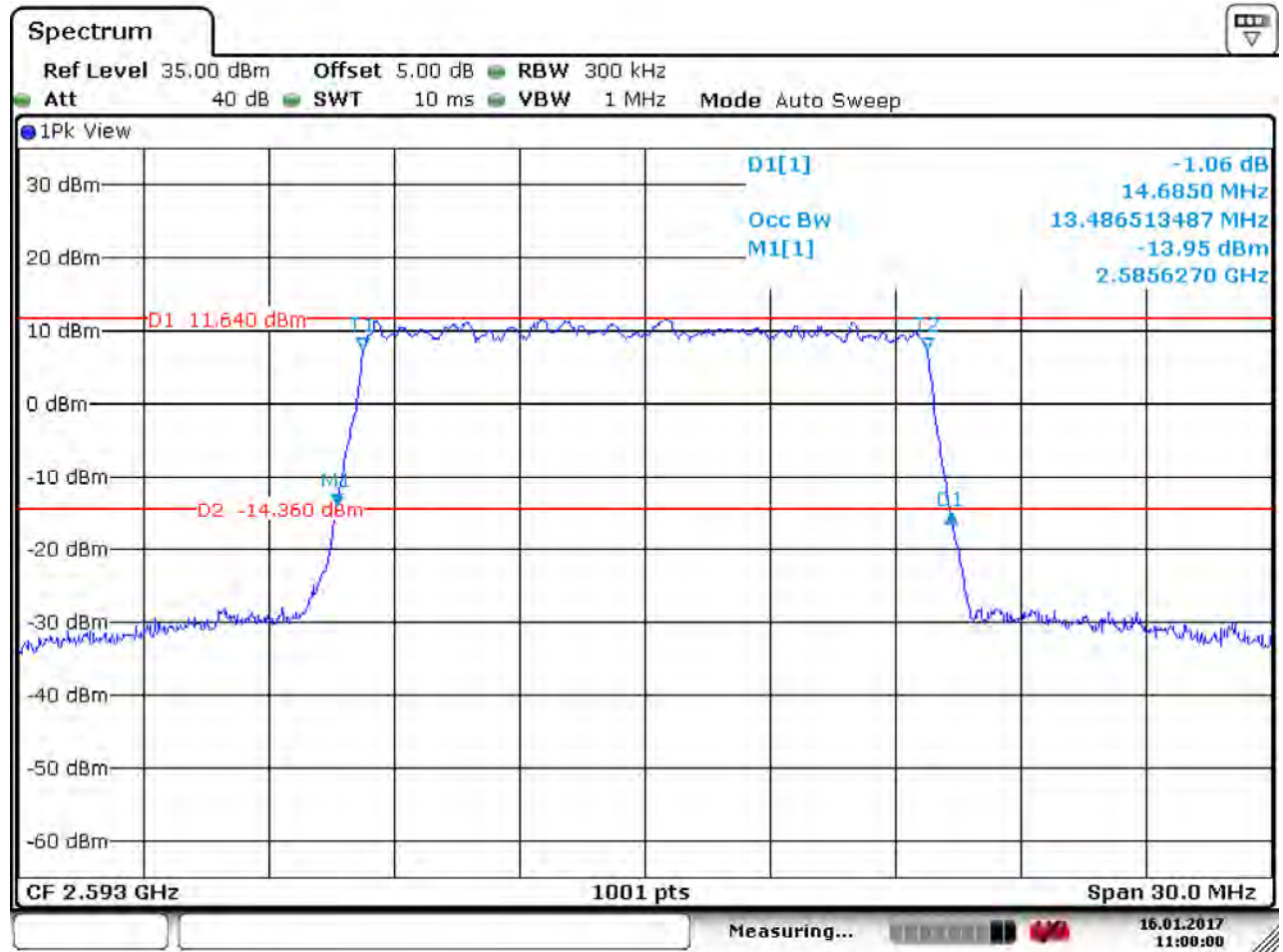


Date: 16.JAN.2017 10:58:32



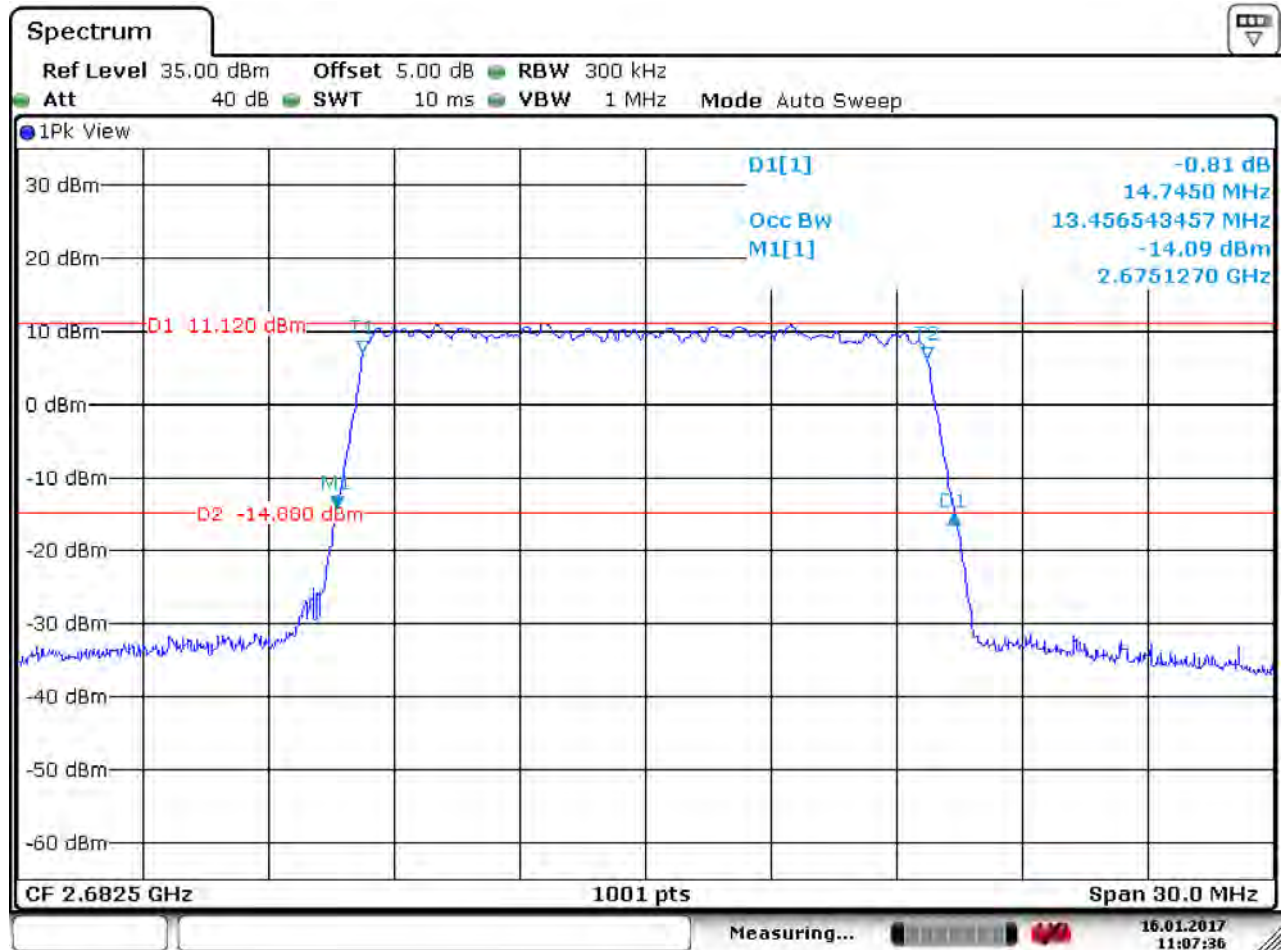


4.1.1.9.2 Test Channel = MCH



Date: 16.JAN.2017 11:00:01

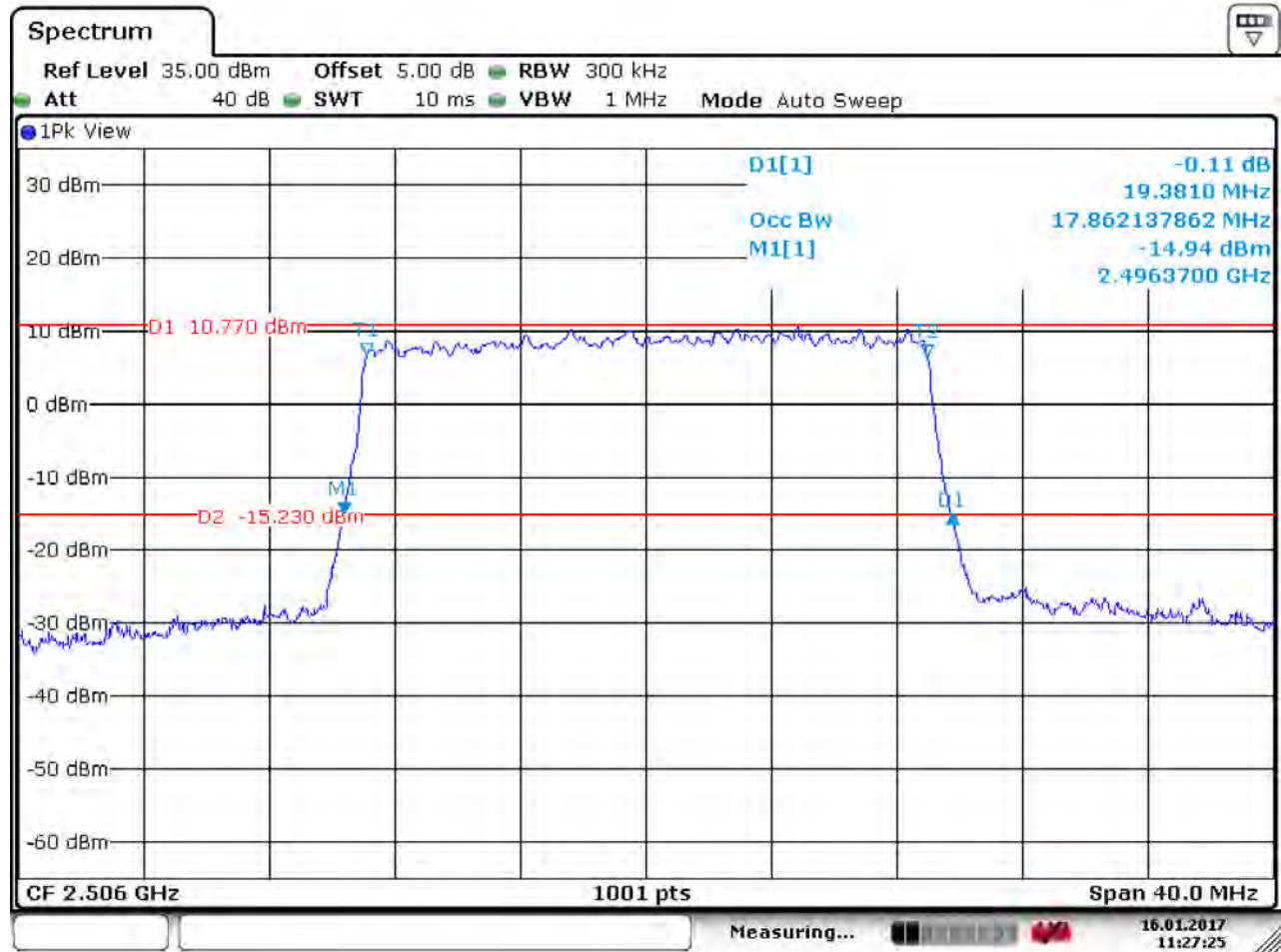
#### 4.1.1.9.3 Test Channel = HCH



Date: 16.JAN.2017 11:07:37

#### 4.1.1.10 Test Mode = LTE/TM1 20MHz

#### 4.1.1.10.1 Test Channel = LCH

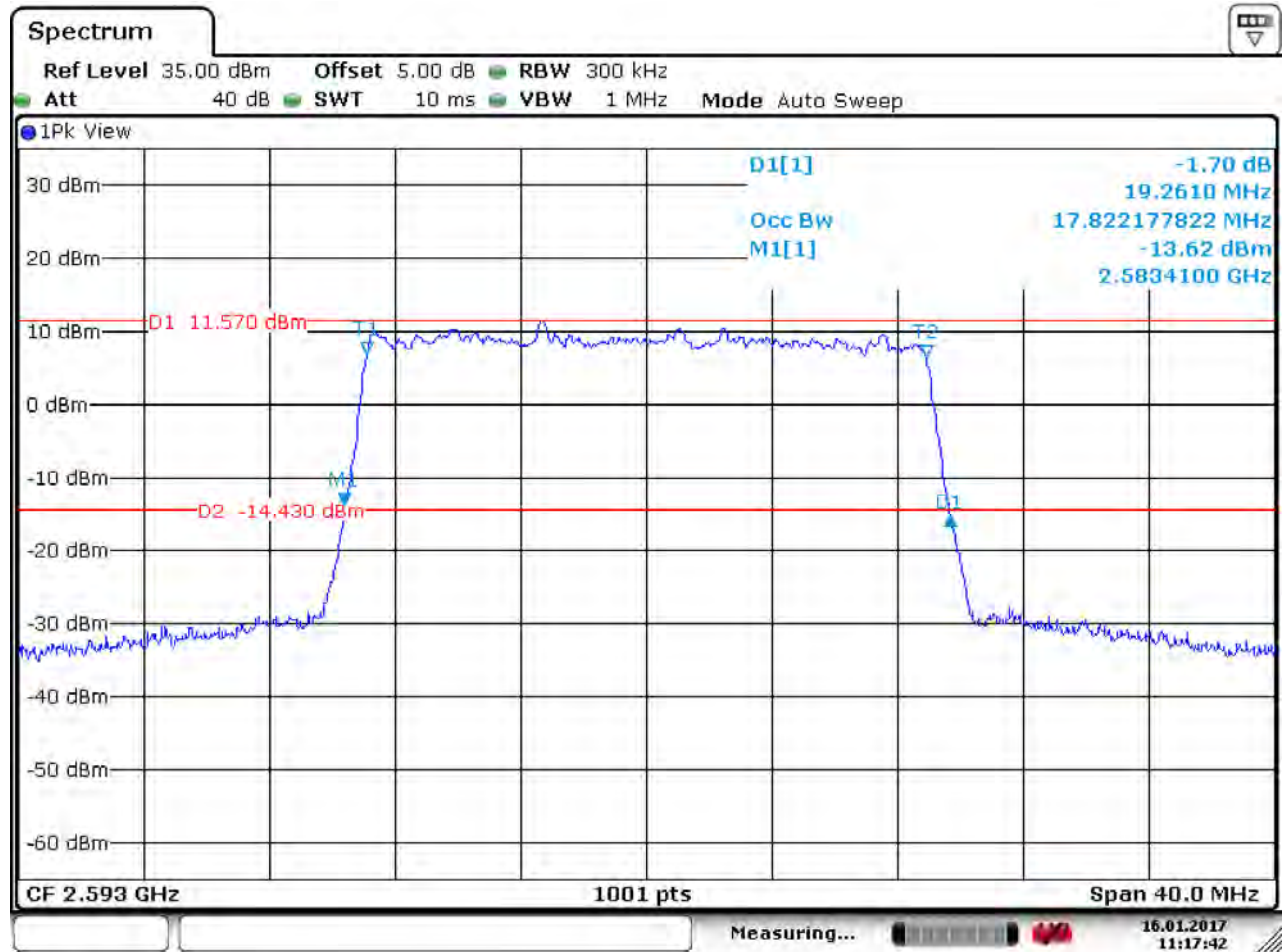


Date: 16 JAN 2017 11:27:25

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4.1.1.10.2 Test Channel = MCH

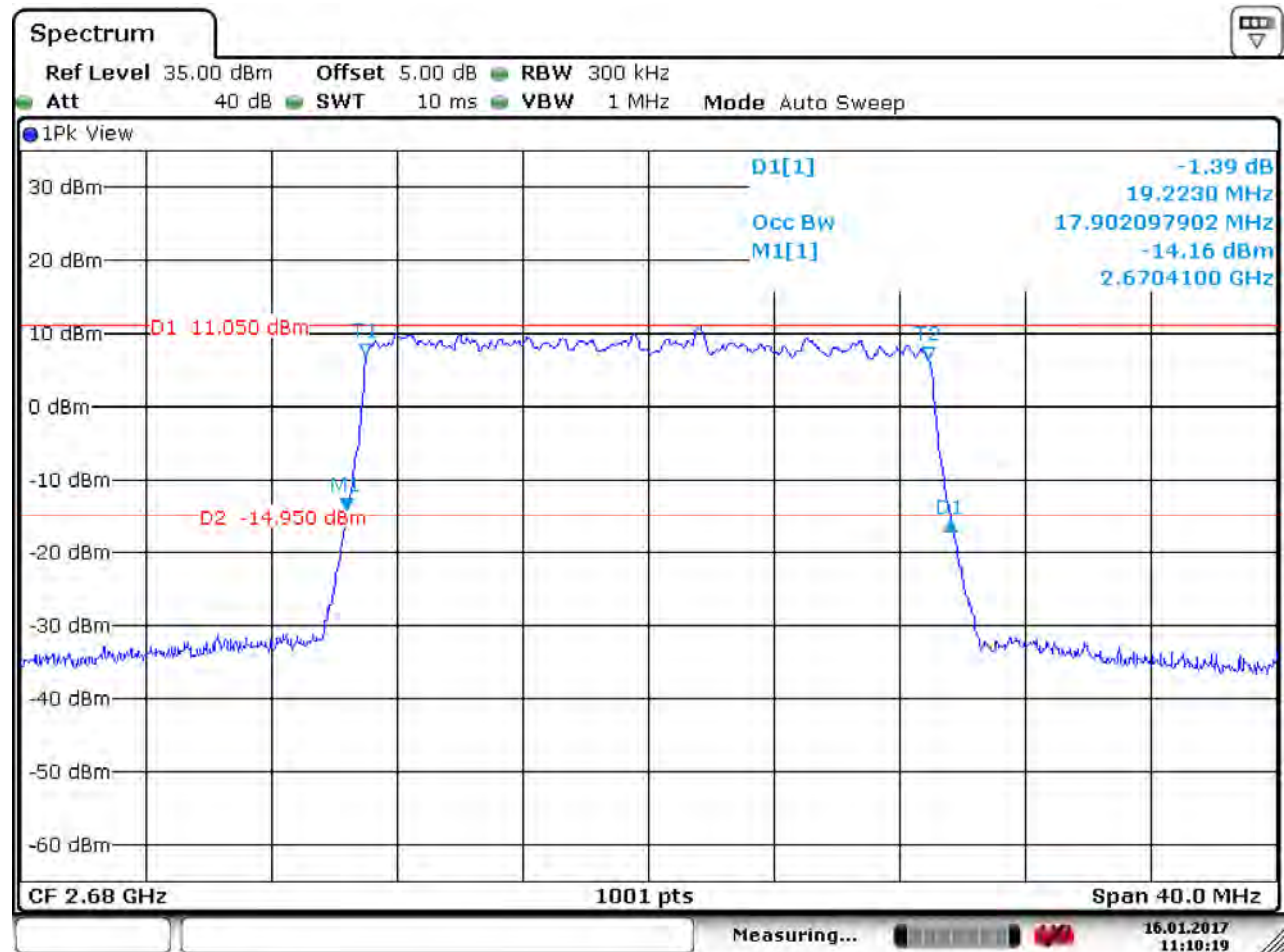


Date: 16.JAN.2017 11:17:42





4.1.1.10.3 Test Channel = HCH

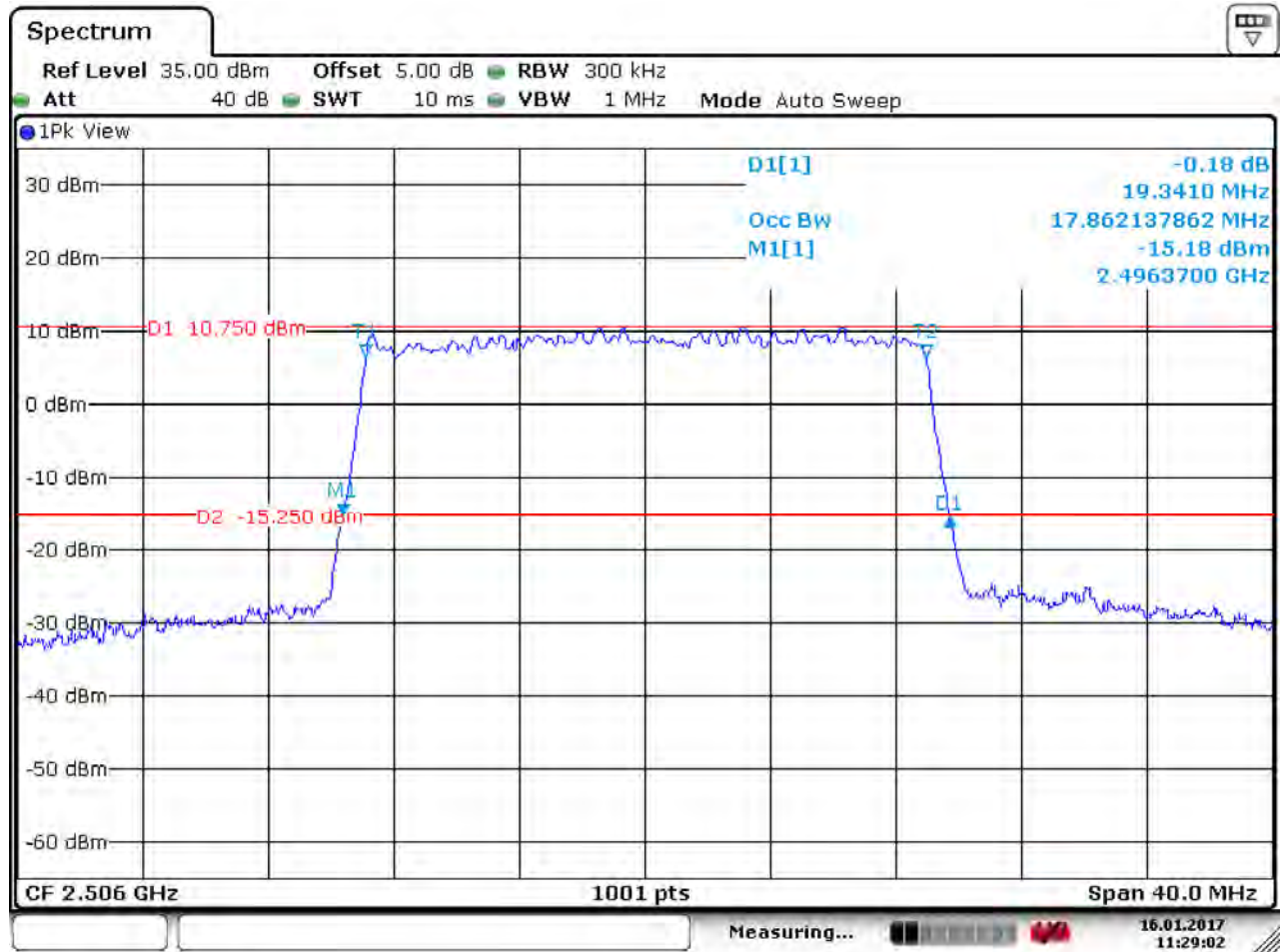


Date: 16.JAN.2017 11:10:19



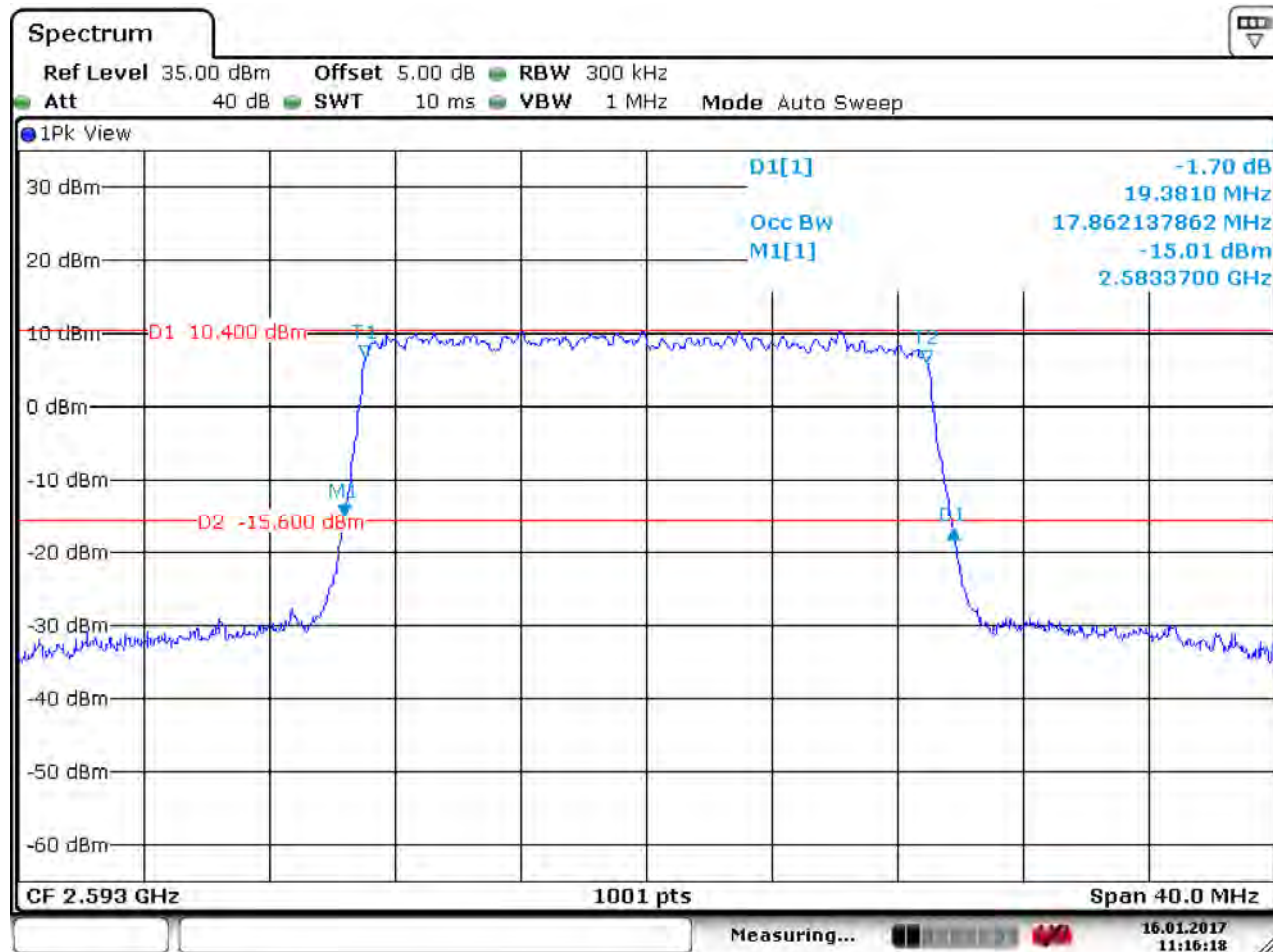
4.1.1.11 Test Mode = LTE/TM2 20MHz

4.1.1.11.1 Test Channel = LCH



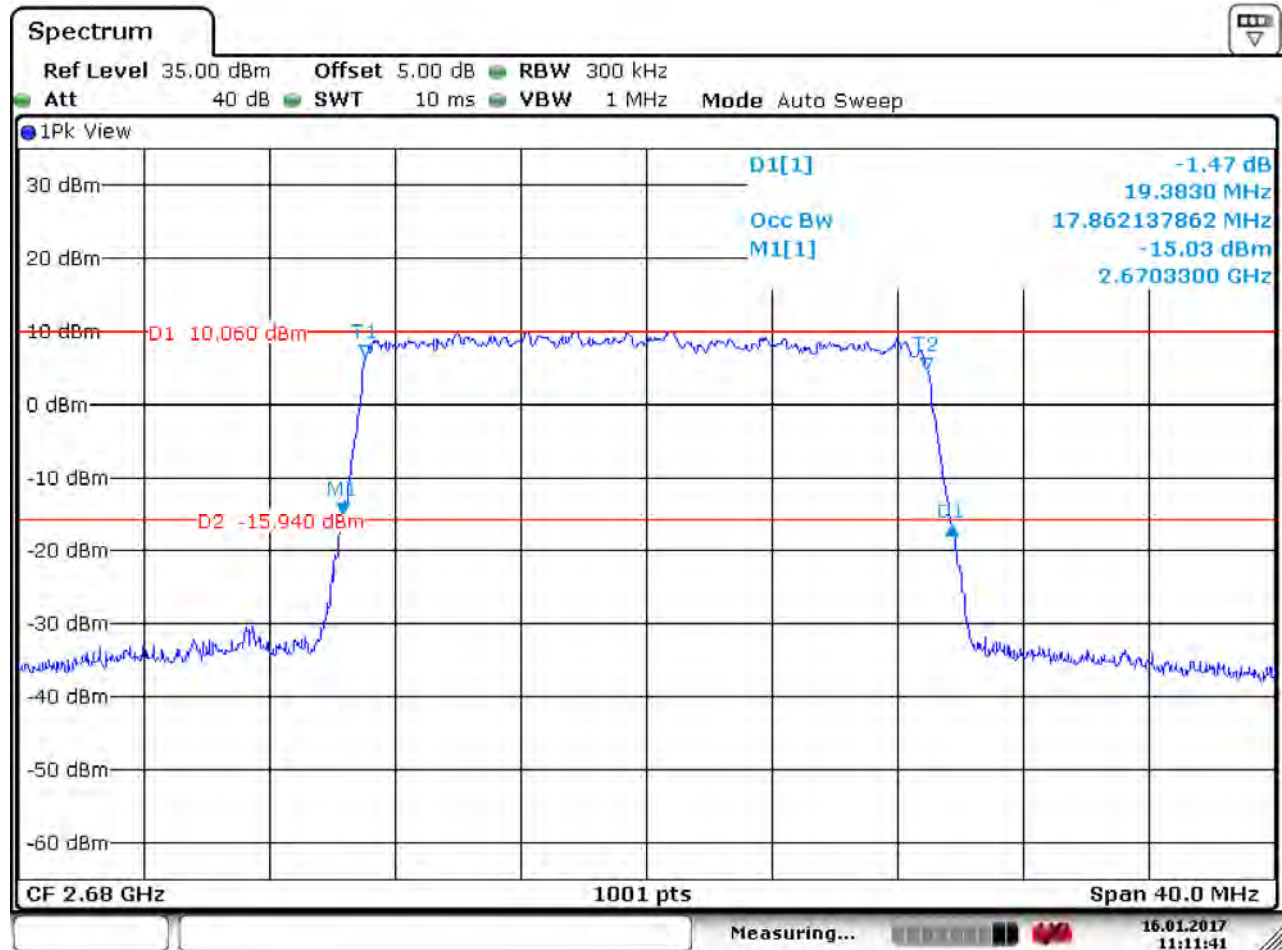
Date: 16.JAN.2017 11:29:03

#### 4.1.1.11.2 Test Channel = MCH



Date: 16.JAN.2017 11:16:18

4.1.1.11.3 Test Channel = HCH



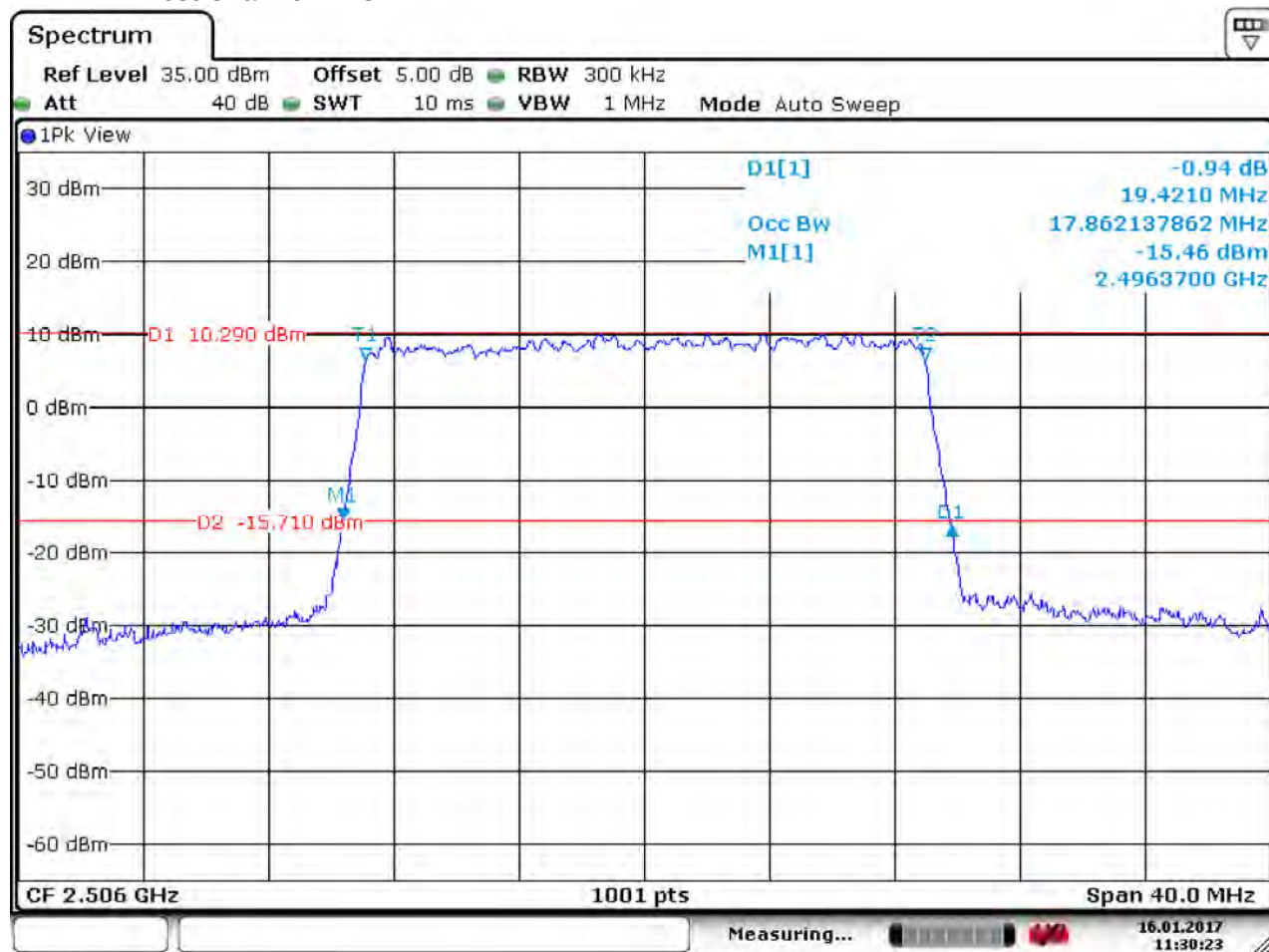
Date: 16.JAN.2017 11:11:42





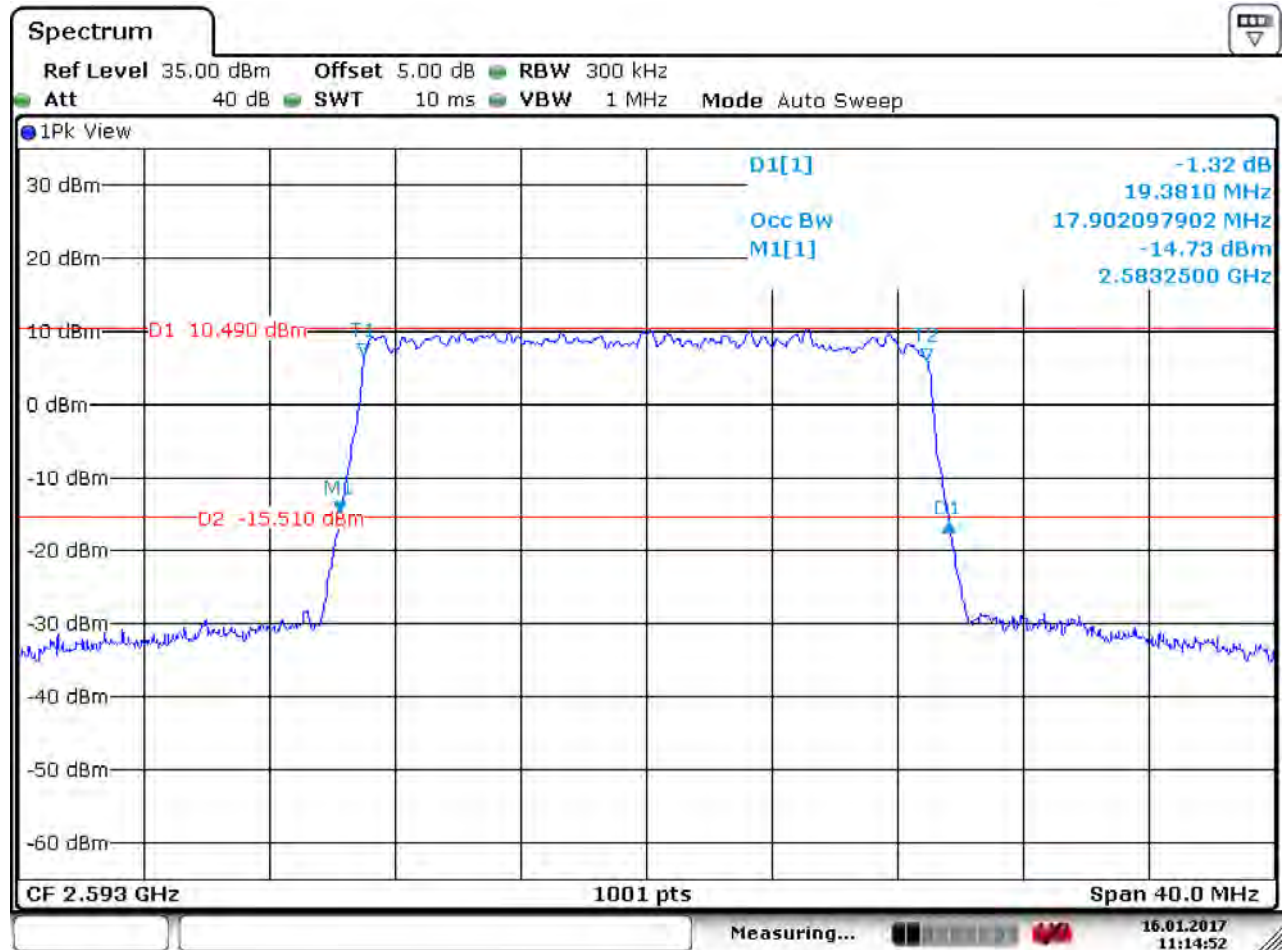
4.1.1.12 Test Mode = LTE/TM3 20MHz

4.1.1.12.1 Test Channel = LCH



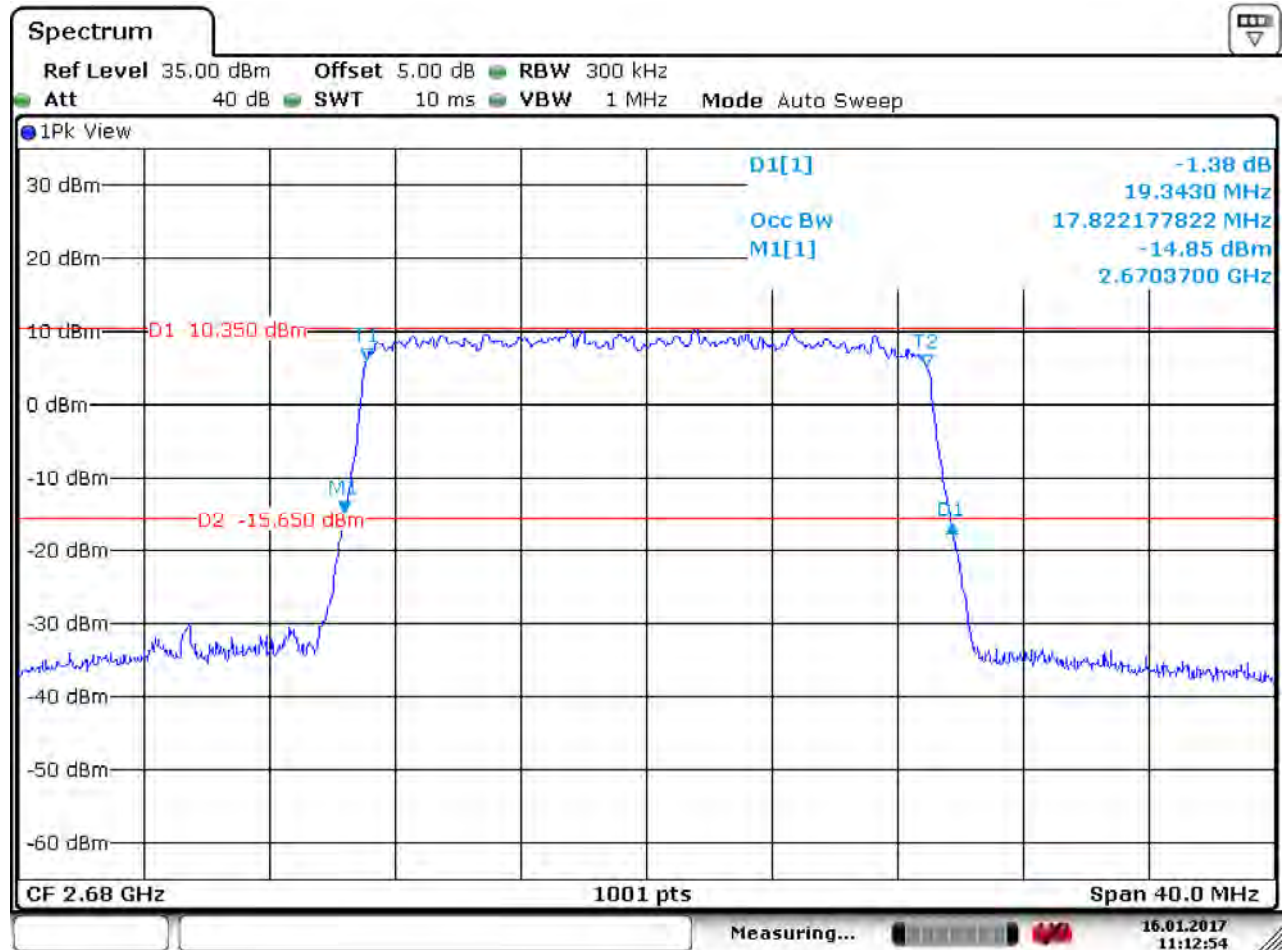
Date: 16.JAN.2017 11:30:24

#### 4.1.1.12.2 Test Channel = MCH



Date: 16.JAN.2017 11:14:53

4.1.1.12.3 Test Channel = HCH



Date: 16.JAN.2017 11:12:54

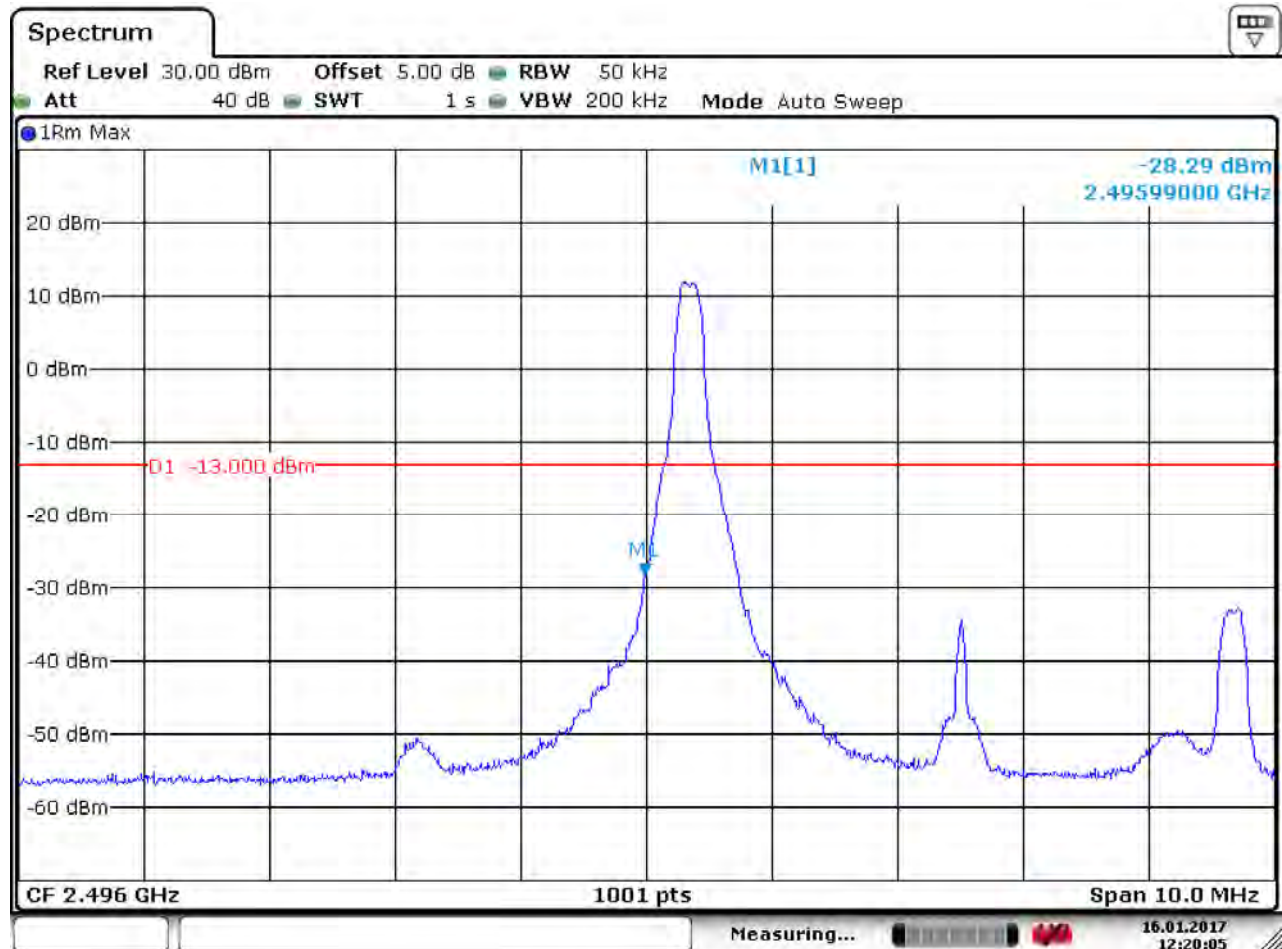
## 5 Band Edges Compliance

### 5.1.1 Test Band = LTE band 41

#### 5.1.1.1 Test Mode = LTE/TM1 5MHz

##### 5.1.1.1.1 Test Channel = LCH

##### 5.1.1.1.1.1 Test RB=1RB

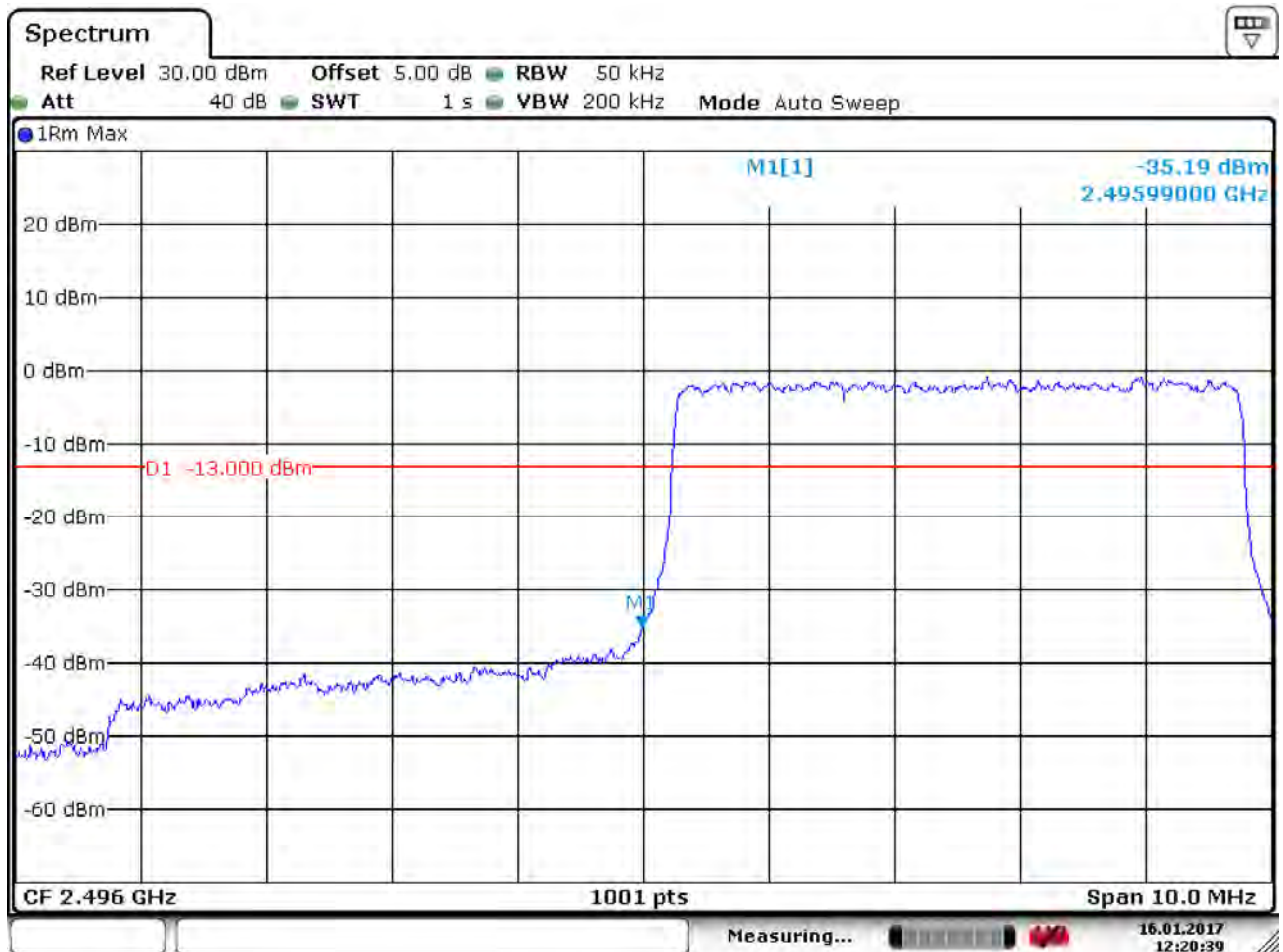


Date: 16.JAN.2017 12:20:06





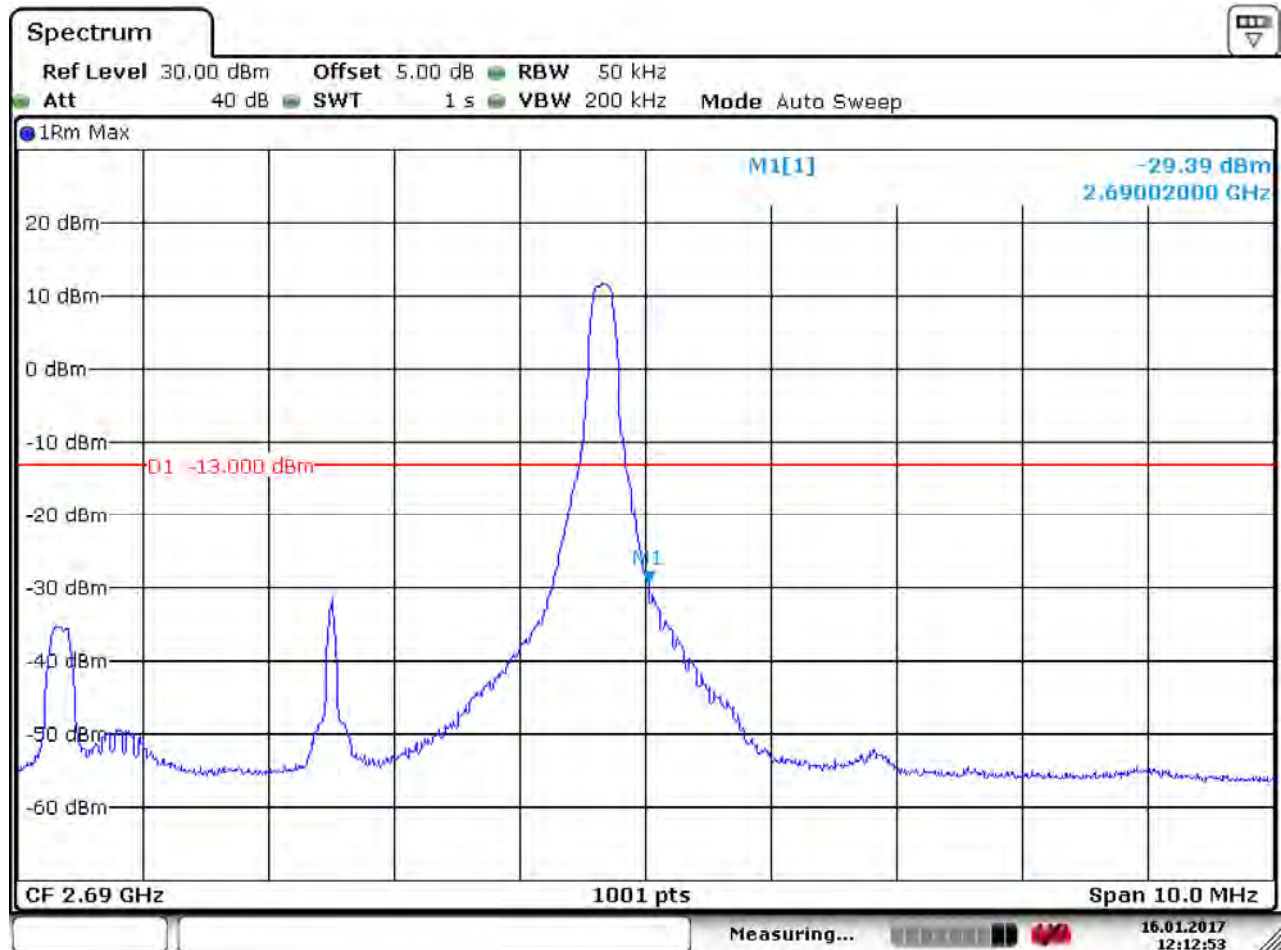
5.1.1.1.2 Test RB=25RB



Date: 16.JAN.2017 12:20:39

#### 5.1.1.1.2 Test Channel = HCH

##### 5.1.1.1.2.1 Test RB=1RB



Date: 16.JAN.2017 12:12:54



5.1.1.1.2.2 Test RB=25RB



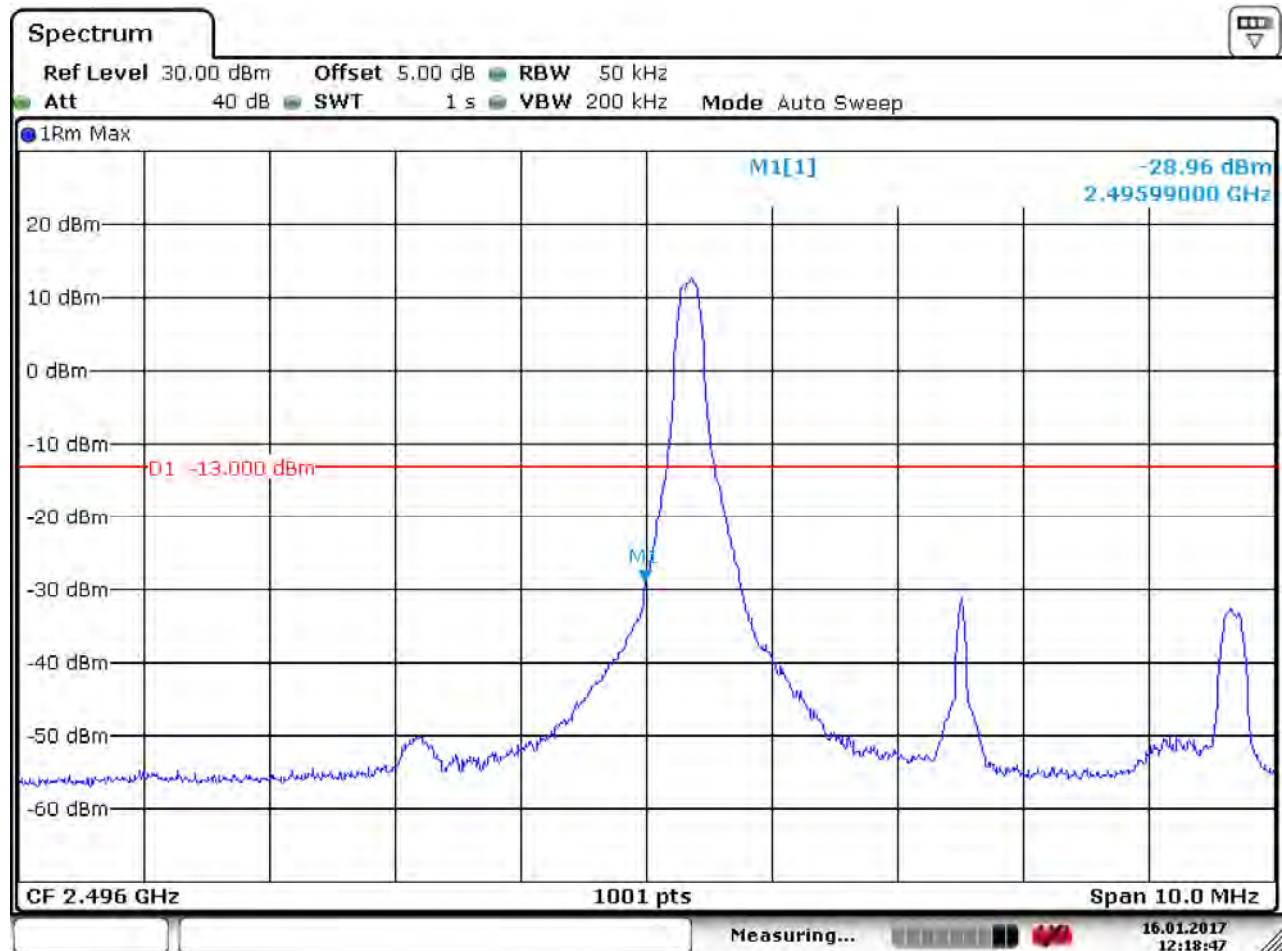
Date: 16.JAN.2017 12:11:17



5.1.1.2 Test Mode = LTE/TM2 5MHz

5.1.1.2.1 Test Channel = LCH

5.1.1.2.1.1 Test RB=1RB

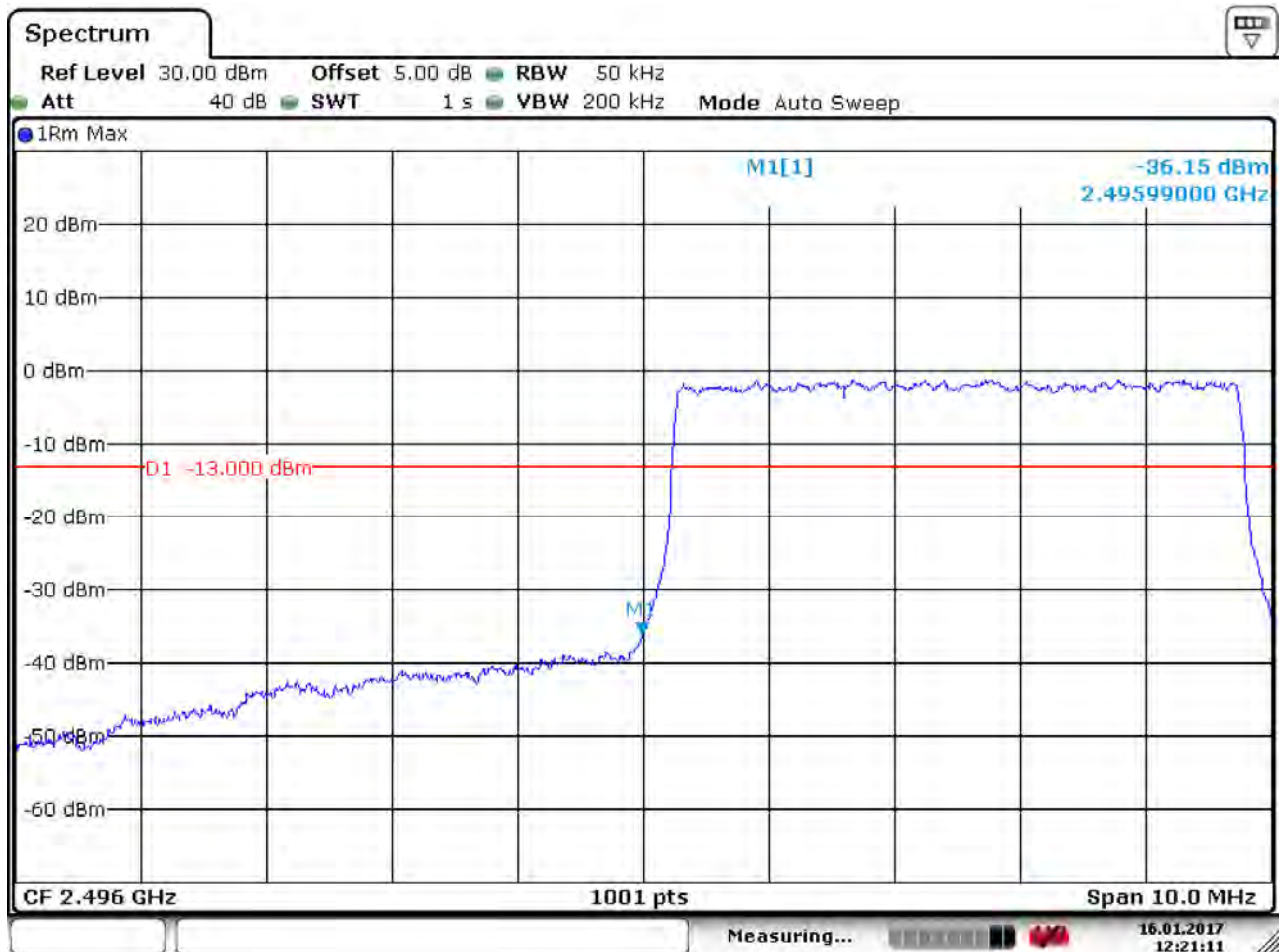


Date: 16.JAN.2017 12:18:48





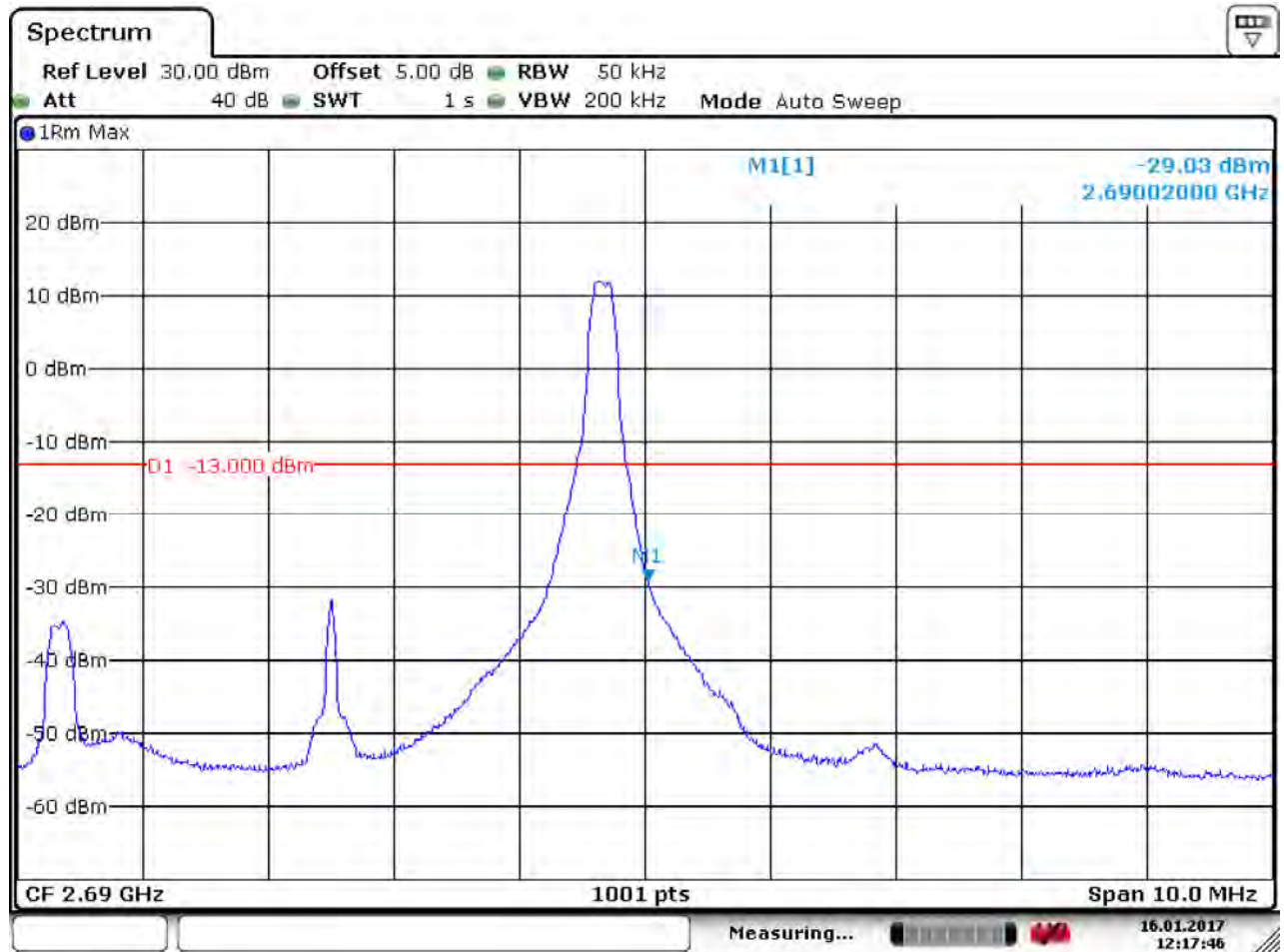
5.1.1.2.1.2 Test RB=25RB



Date: 16.JAN.2017 12:21:11

#### 5.1.1.2.2 Test Channel = HCH

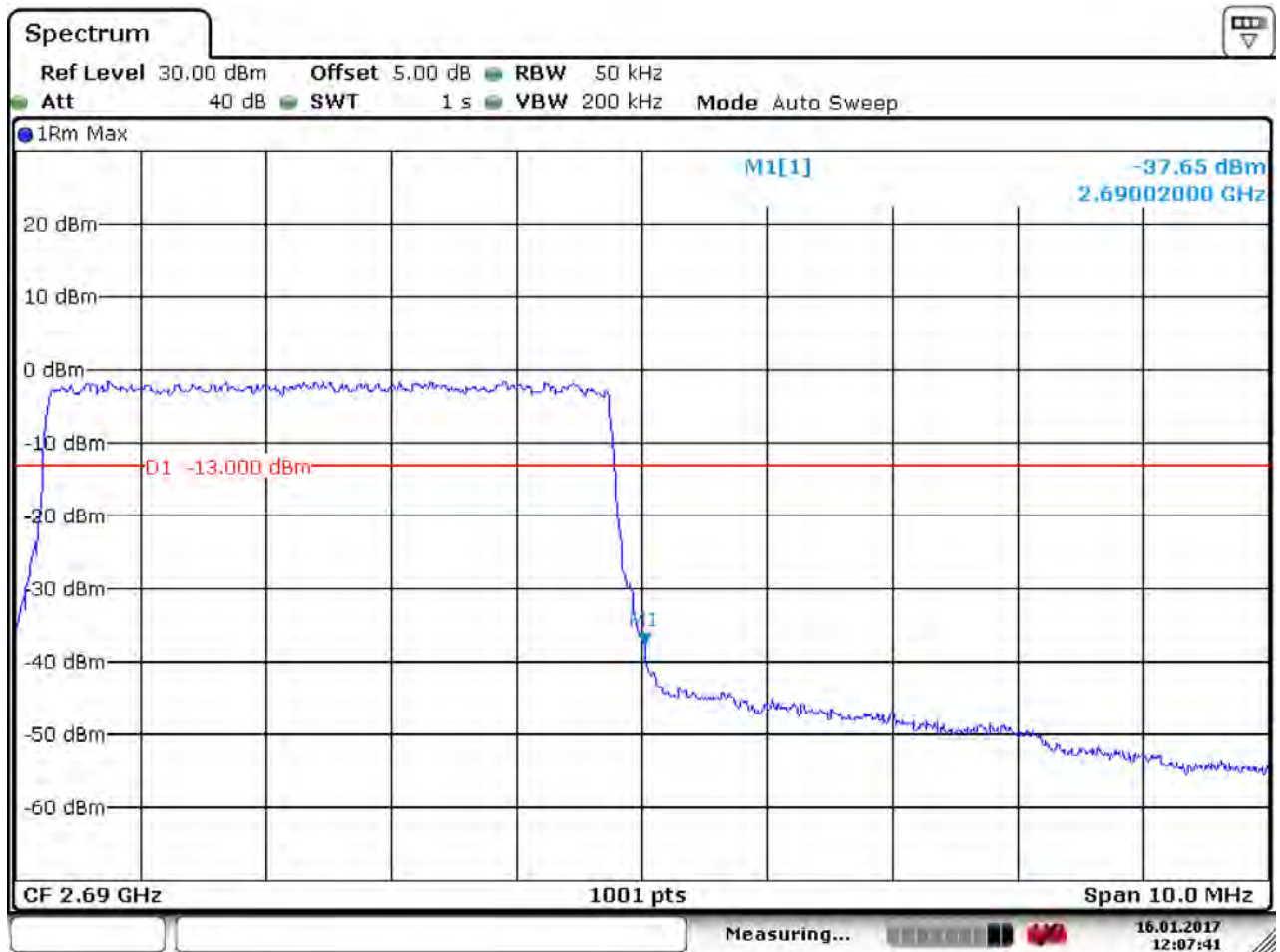
##### 5.1.1.2.2.1 Test RB=1RB



Date: 16.JAN.2017 12:17:47



5.1.1.2.2.2 Test RB=25RB



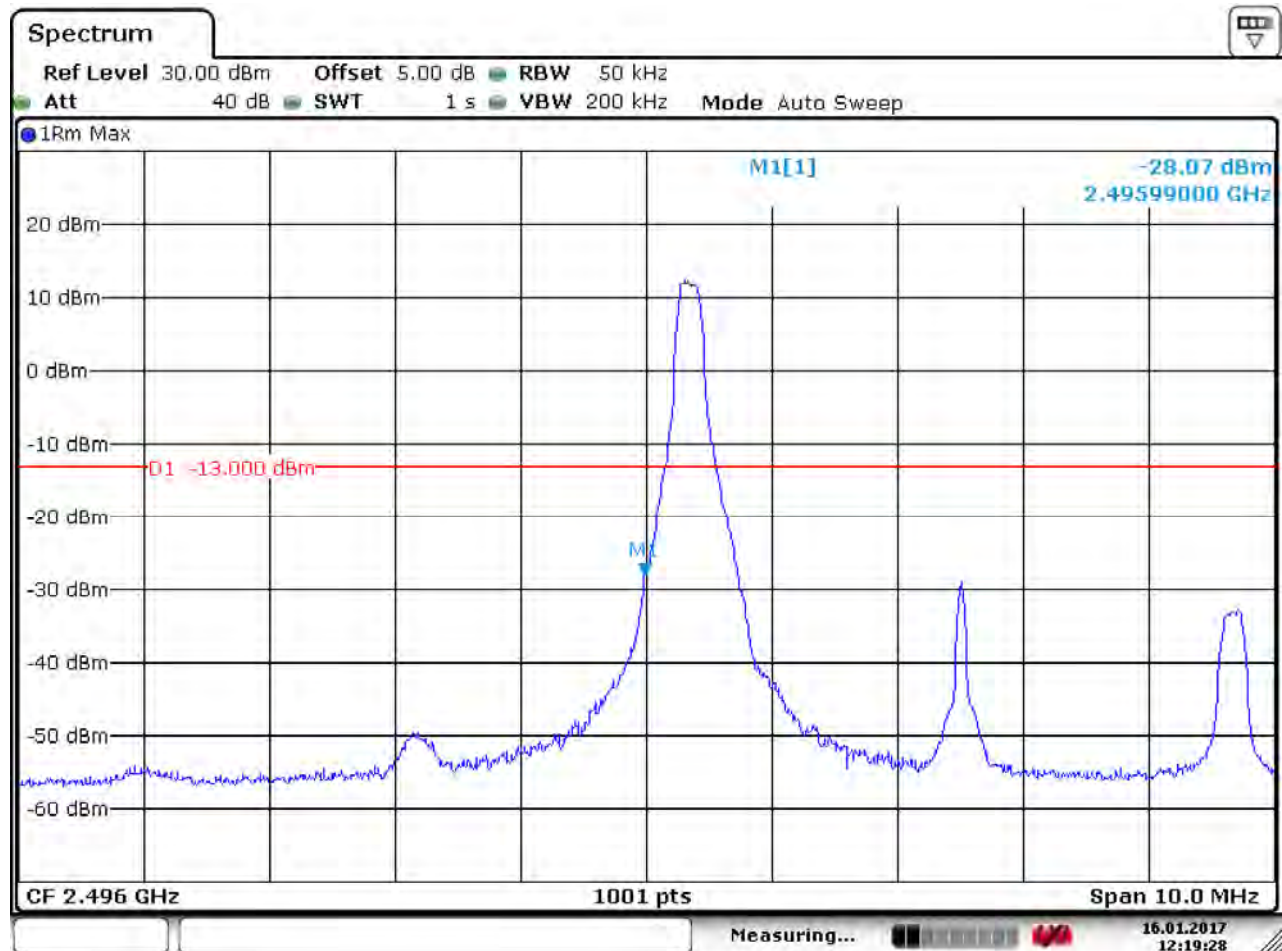
Date: 16.JAN.2017 12:07:41



5.1.1.3 Test Mode = LTE/TM3 5MHz

5.1.1.3.1 Test Channel = LCH

5.1.1.3.1.1 Test RB=1RB

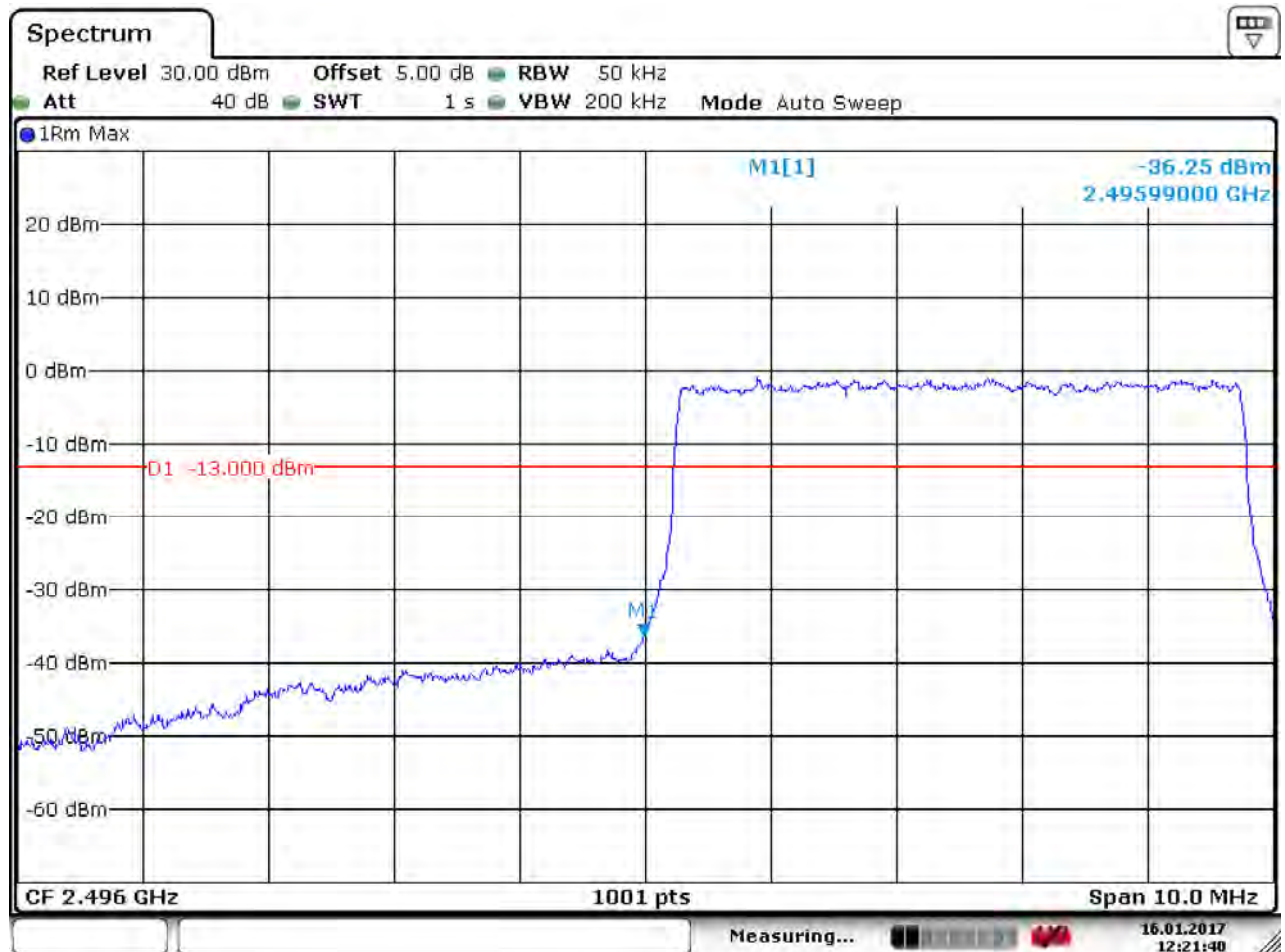


Date: 16.JAN.2017 12:19:29





5.1.1.3.1.2 Test RB=25RB

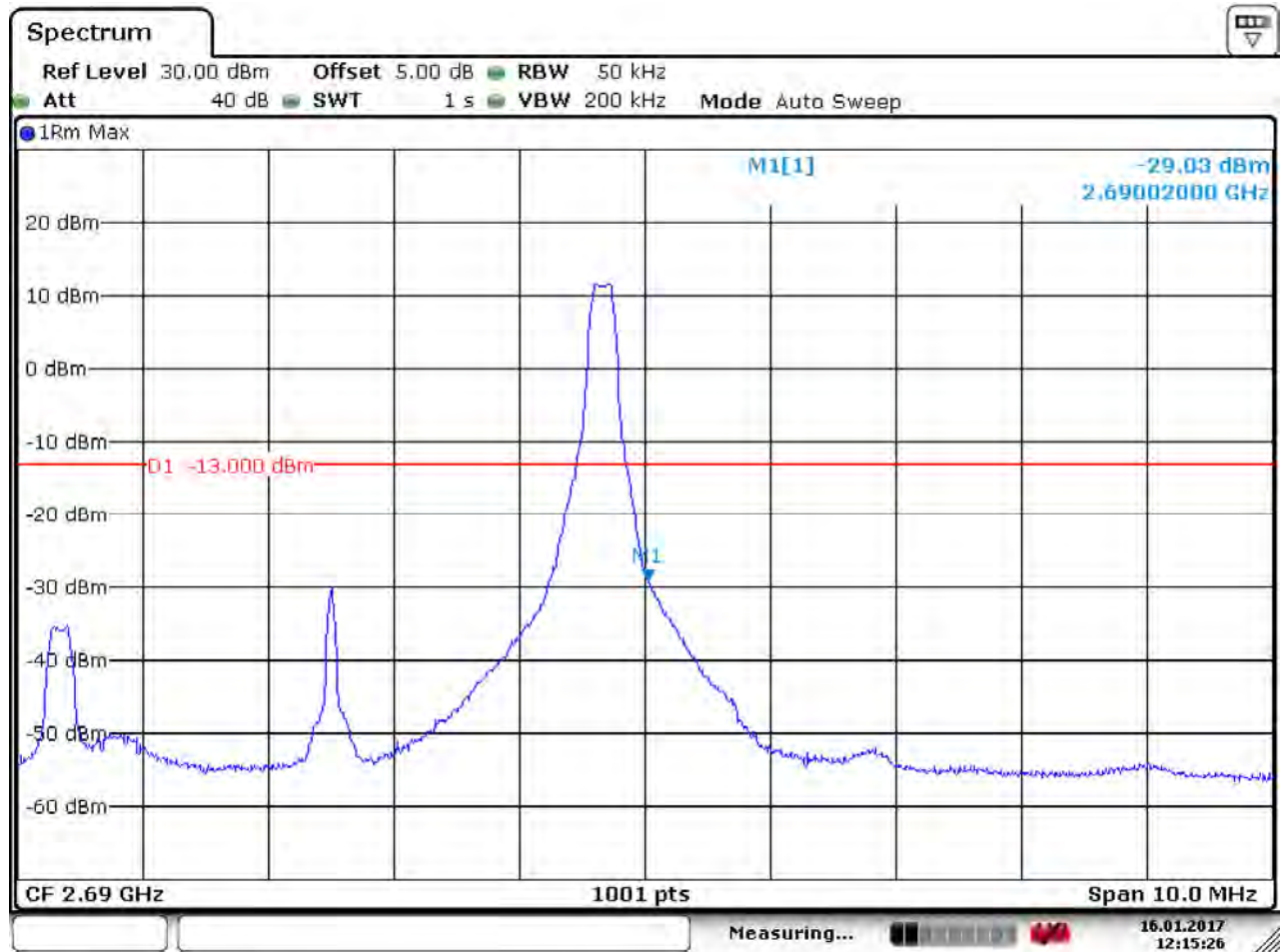


Date: 16.JAN.2017 12:21:40



5.1.1.3.2 Test Channel = HCH

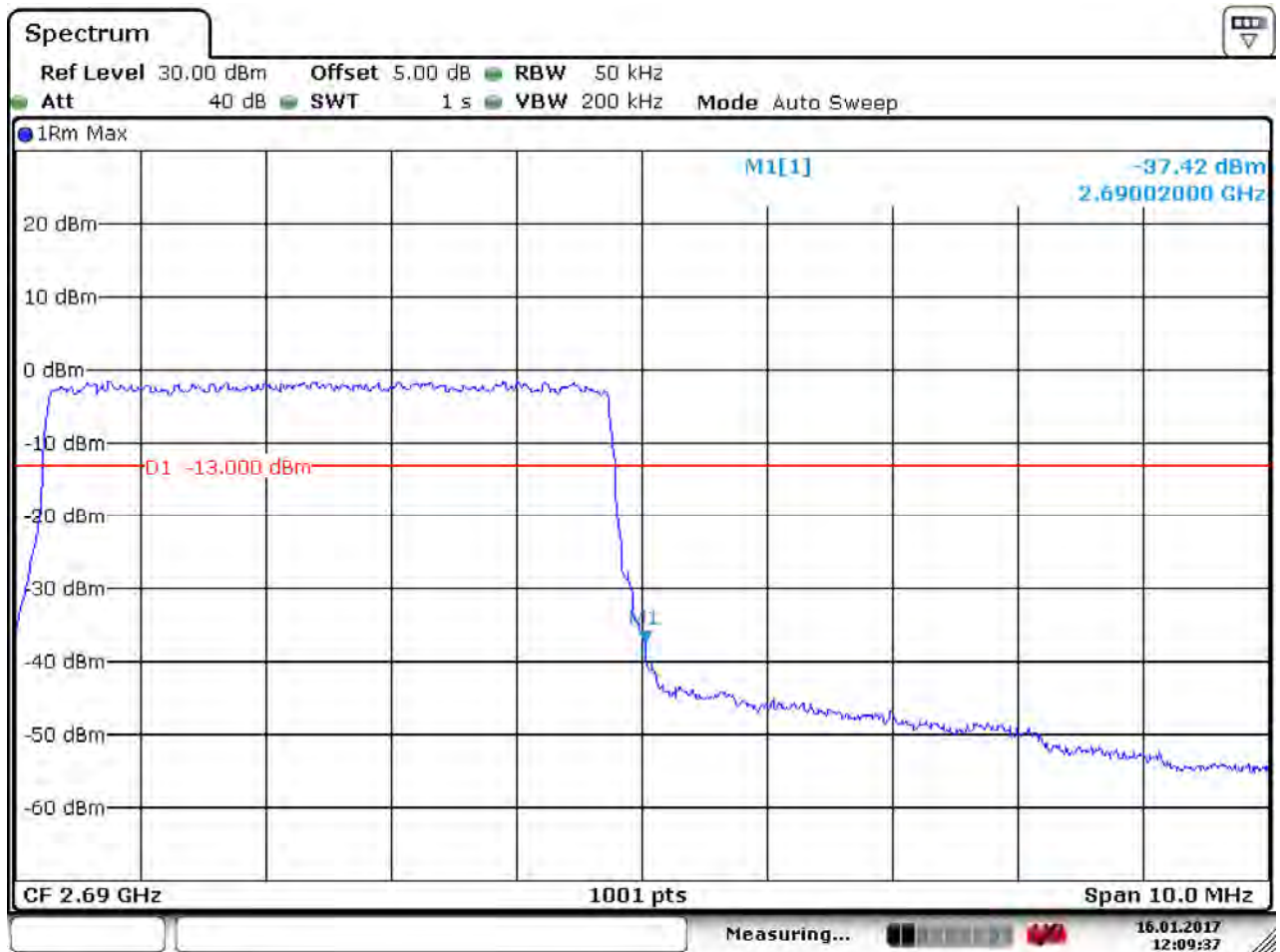
5.1.1.3.2.1 Test RB=1RB



Date: 16.JAN.2017 12:15:26



5.1.1.3.2.2 Test RB=25RB

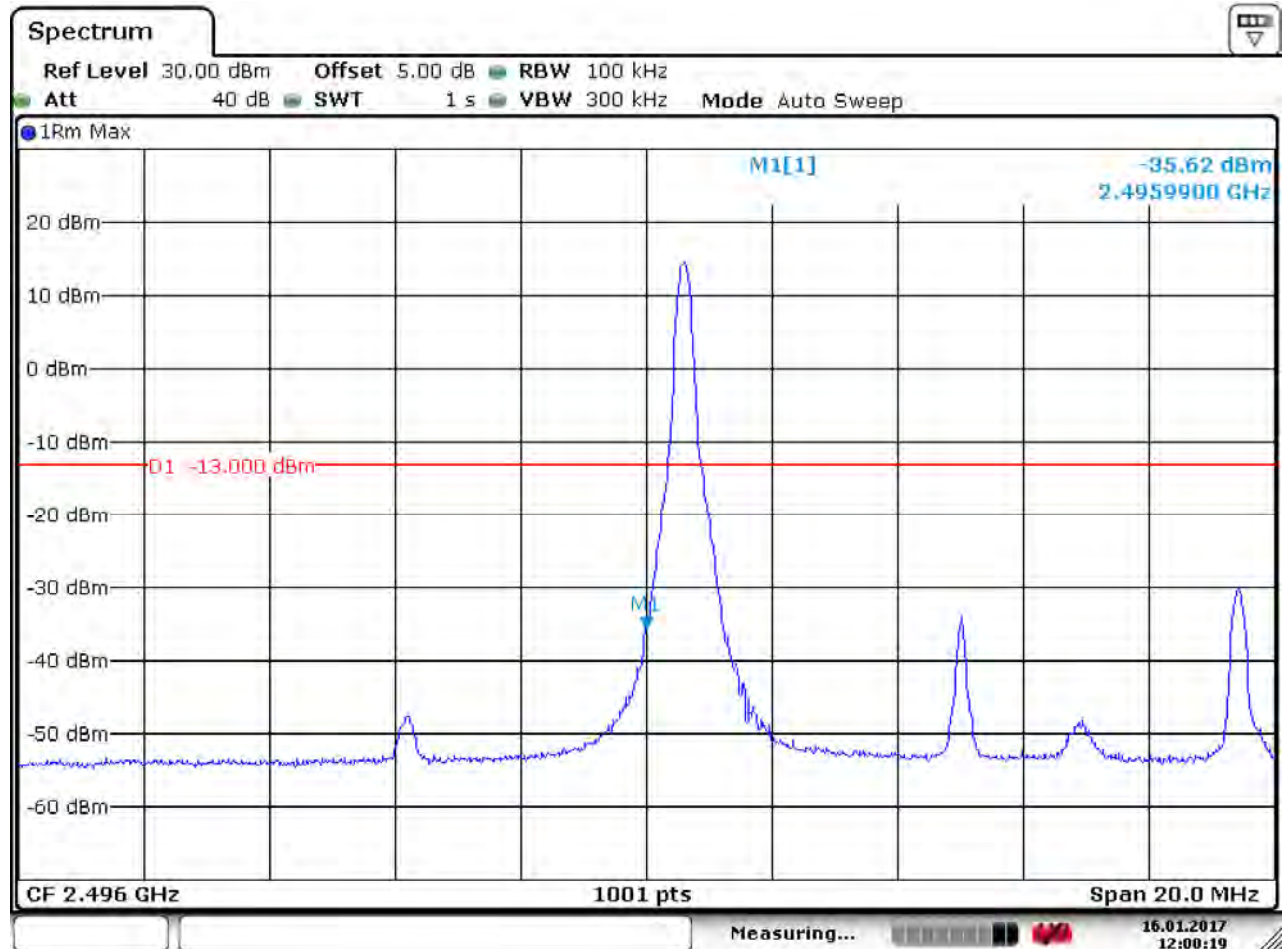


Date: 16.JAN.2017 12:09:37

5.1.1.4 Test Mode = LTE/TM1 10MHz

5.1.1.4.1 Test Channel = LCH

5.1.1.4.1.1 Test RB=1RB

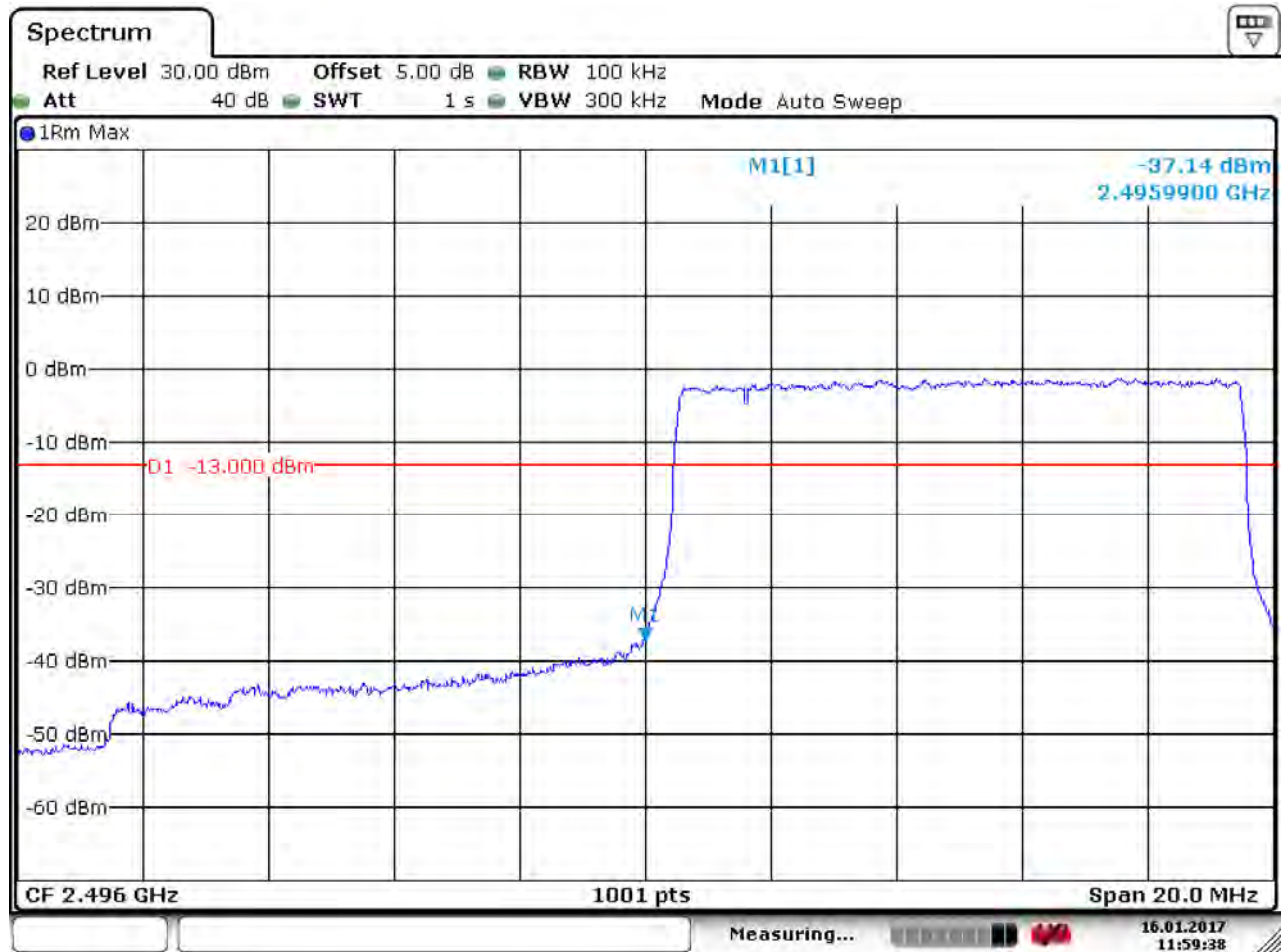


Date: 16.JAN.2017 12:00:19





5.1.1.4.1.2 Test RB=50RB

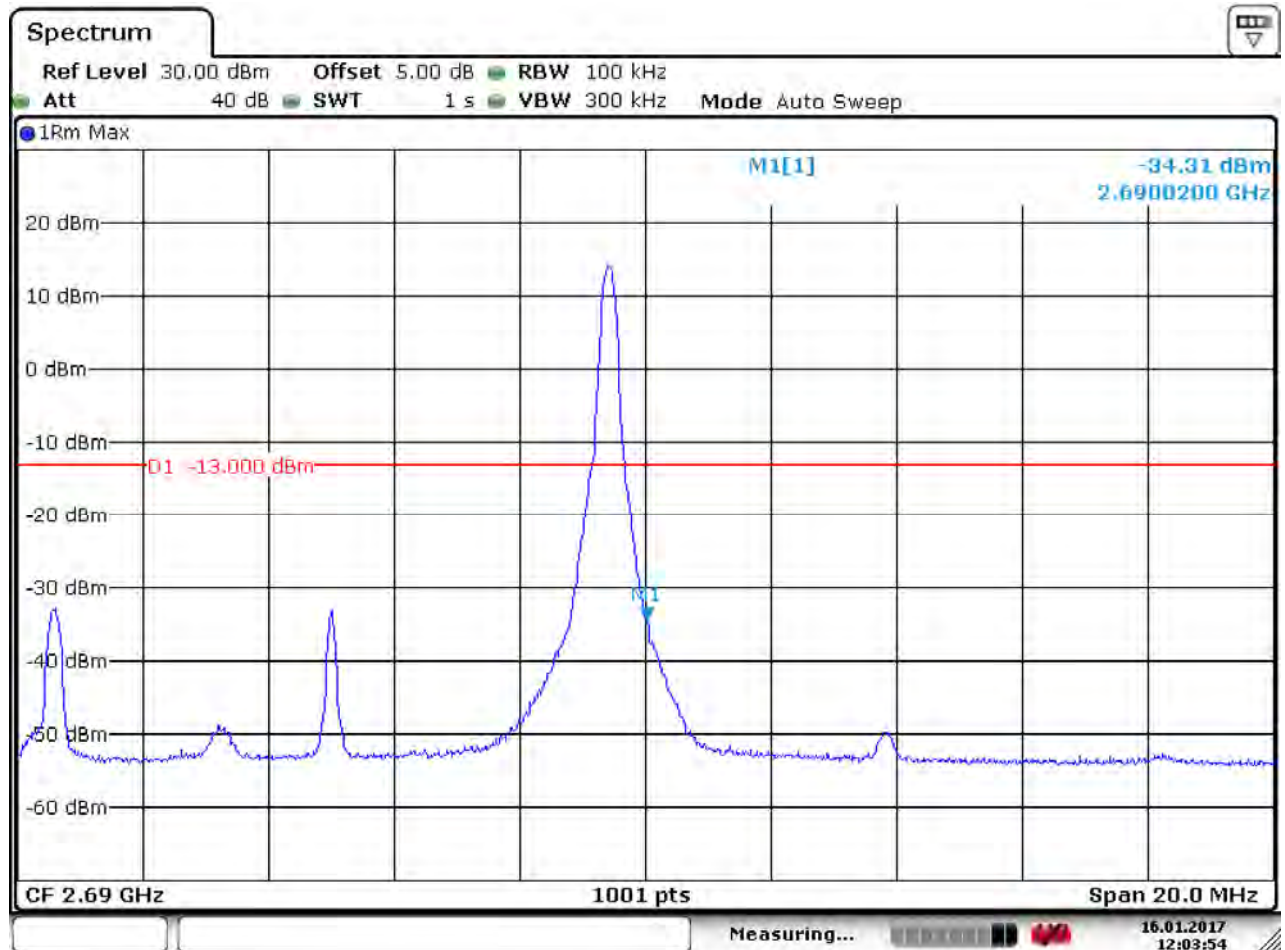


Date: 16.JAN.2017 11:59:39



5.1.1.4.2 Test Channel = HCH

5.1.1.4.2.1 Test RB=1RB



Date: 16.JAN.2017 12:03:54

5.1.1.4.2.2 Test RB=50RB



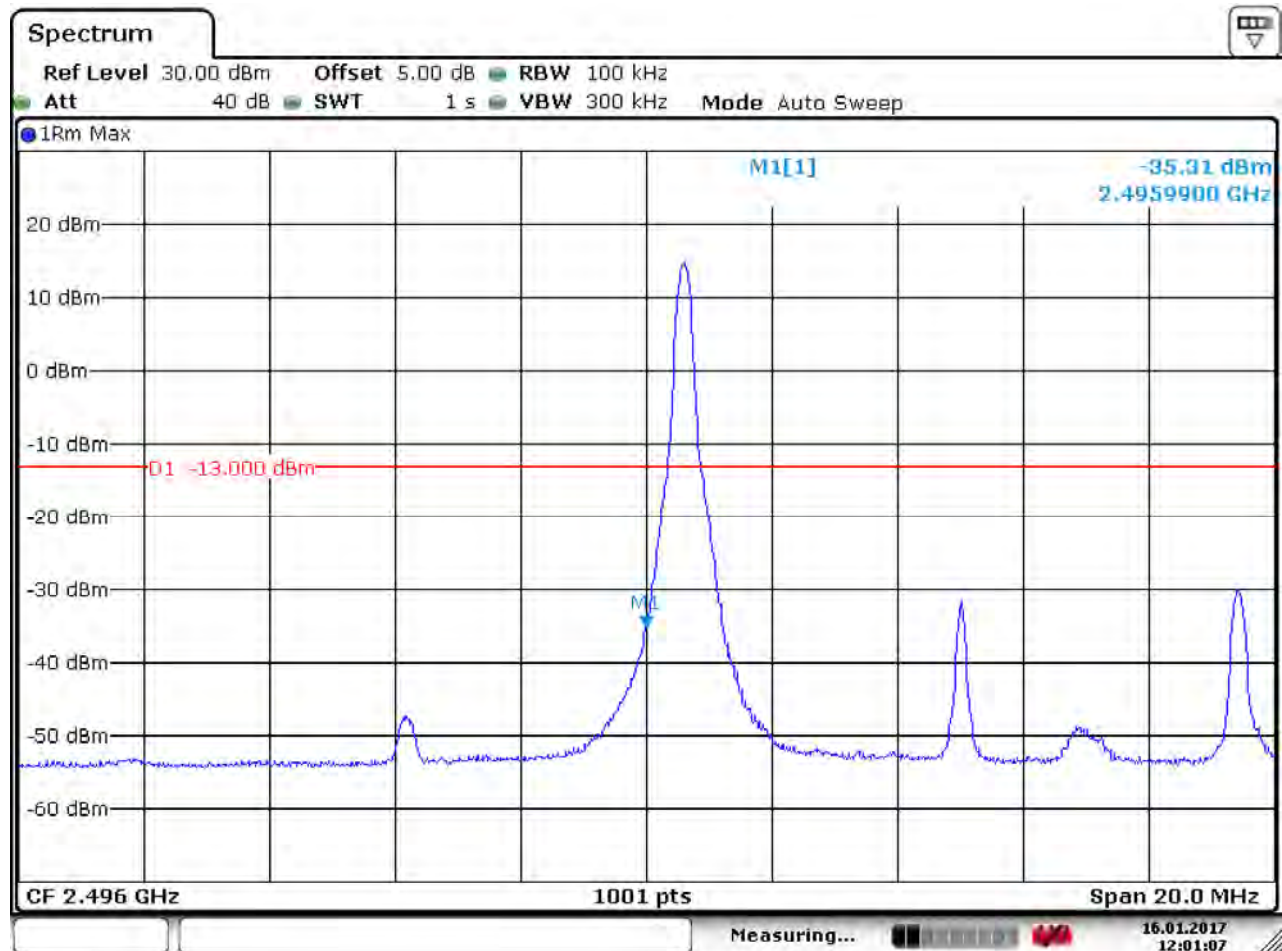
Date: 16.JAN.2017 12:04:32



5.1.1.5 Test Mode = LTE/TM2 10MHz

5.1.1.5.1 Test Channel = LCH

5.1.1.5.1.1 Test RB=1RB

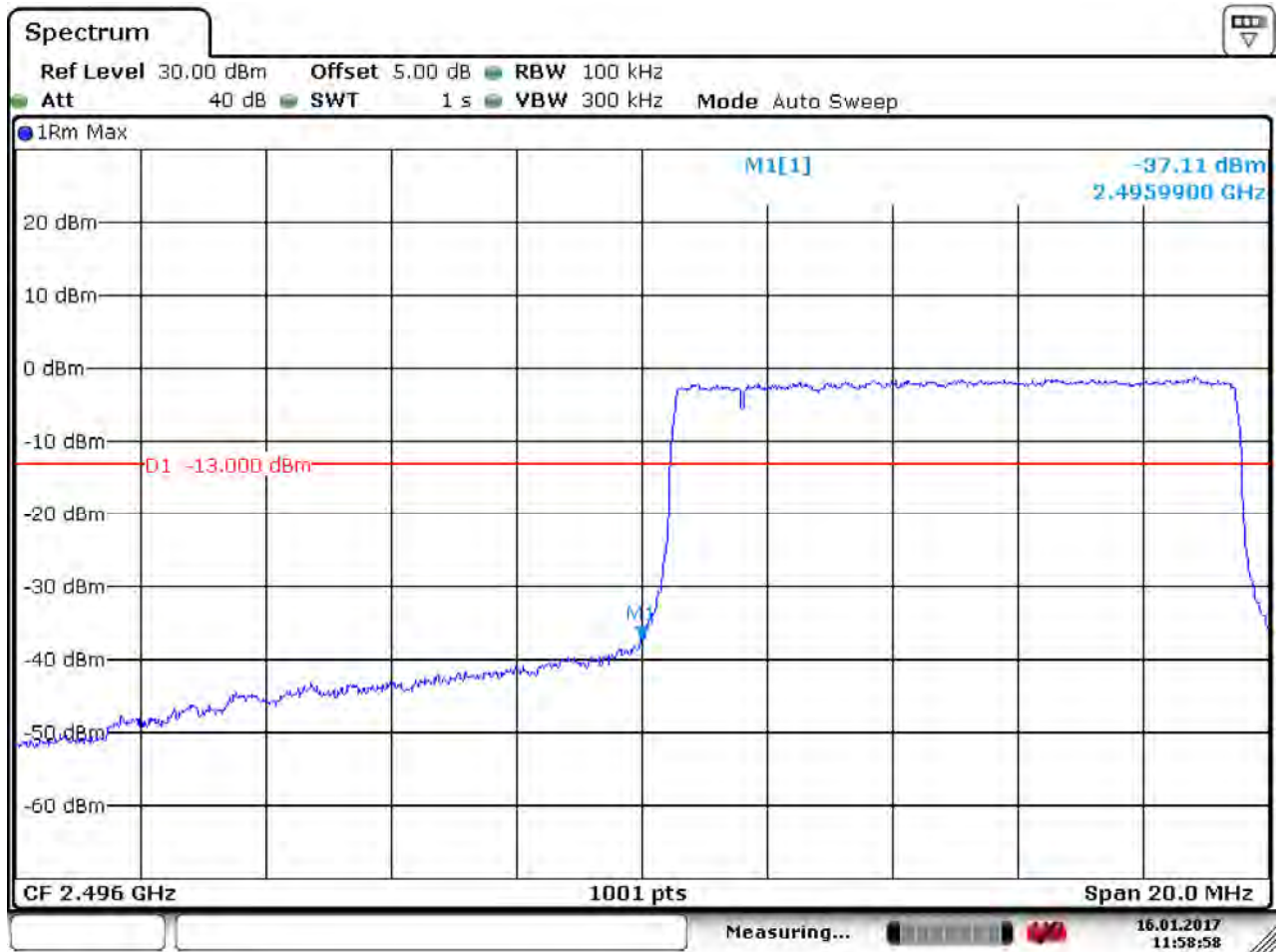


Date: 16.JAN.2017 12:01:07





5.1.1.5.1.2 Test RB=50RB

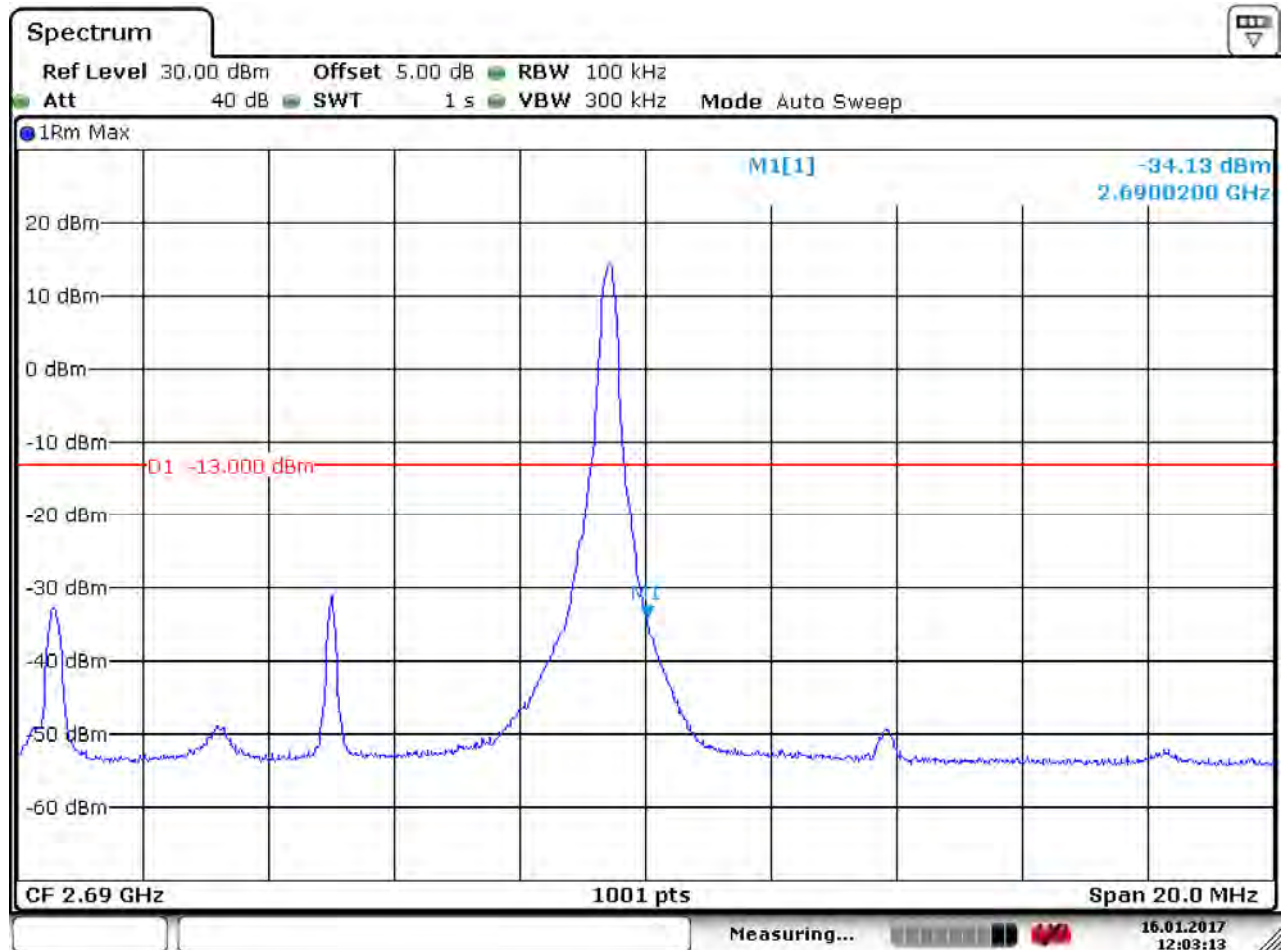


Date: 16.JAN.2017 11:58:59



5.1.1.5.2 Test Channel = HCH

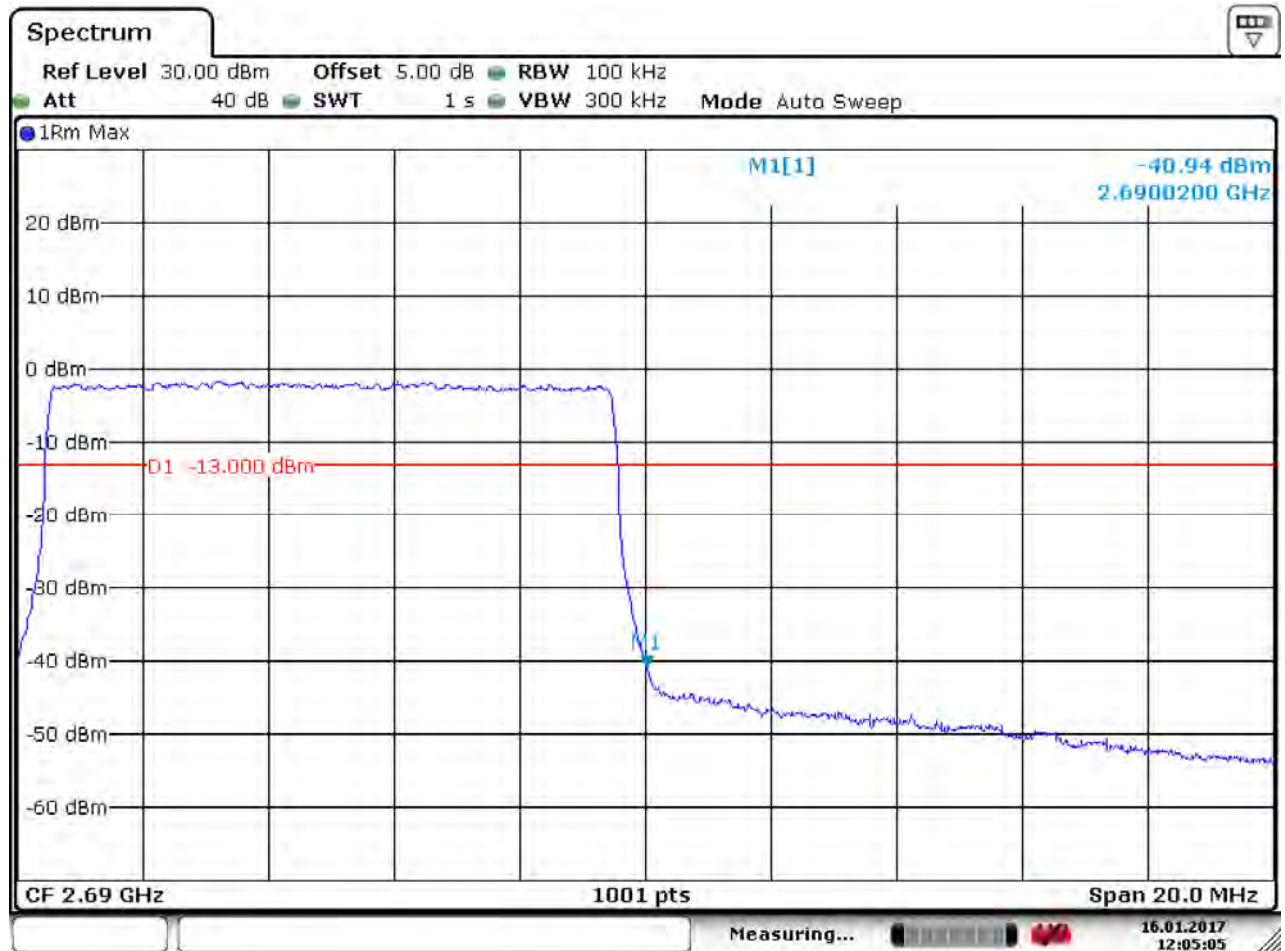
5.1.1.5.2.1 Test RB=1RB



Date: 16.JAN.2017 12:03:14



5.1.1.5.3 Test RB=50RB

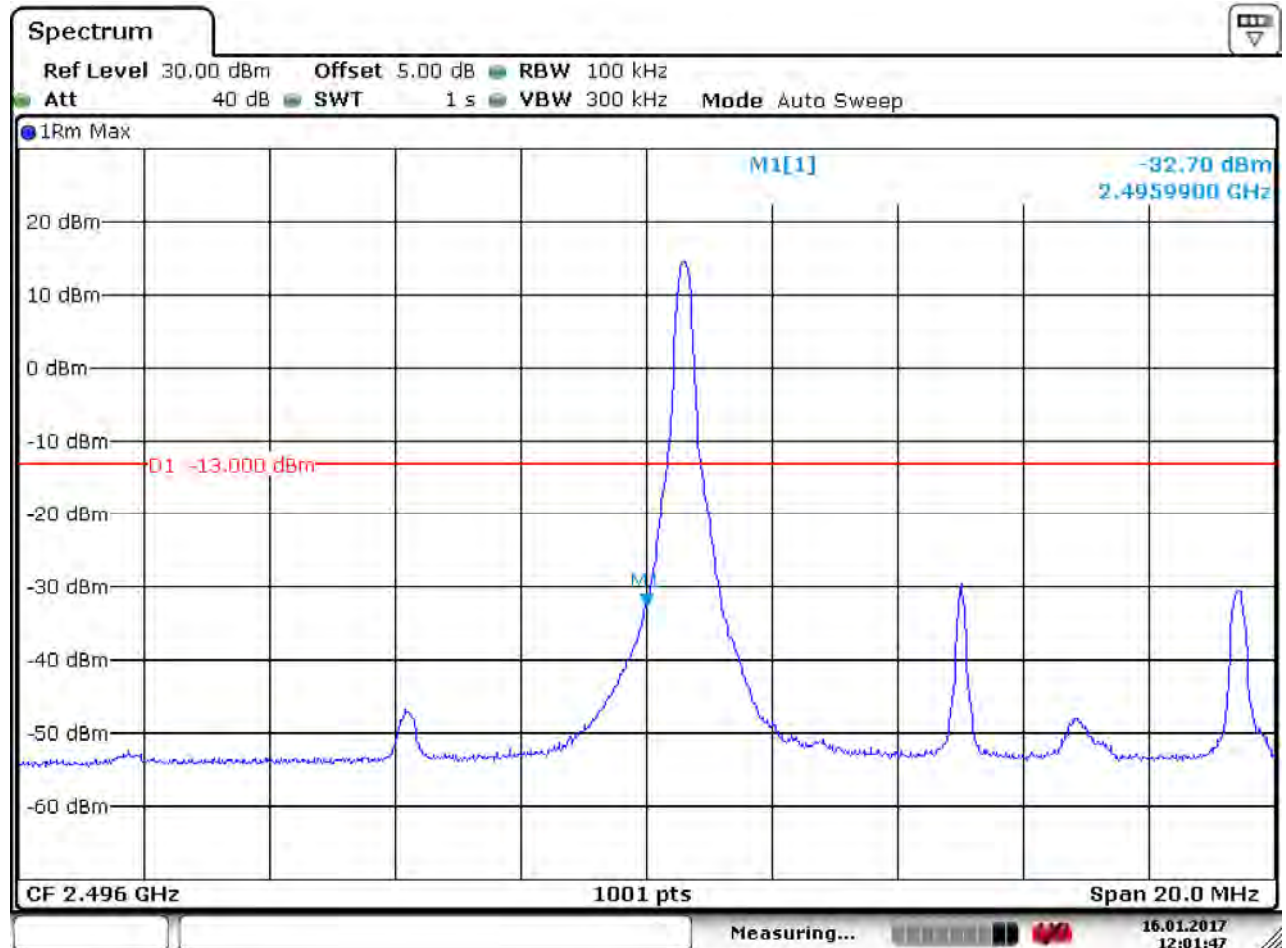


Date: 16.JAN.2017 12:05:05

**5.1.1.6 Test Mode = LTE/TM3 10MHz**

**5.1.1.6.1 Test Channel = LCH**

**5.1.1.6.2 Test RB=1RB**



Date: 16.JAN.2017 12:01:48





5.1.1.6.2.1 Test RB=50RB

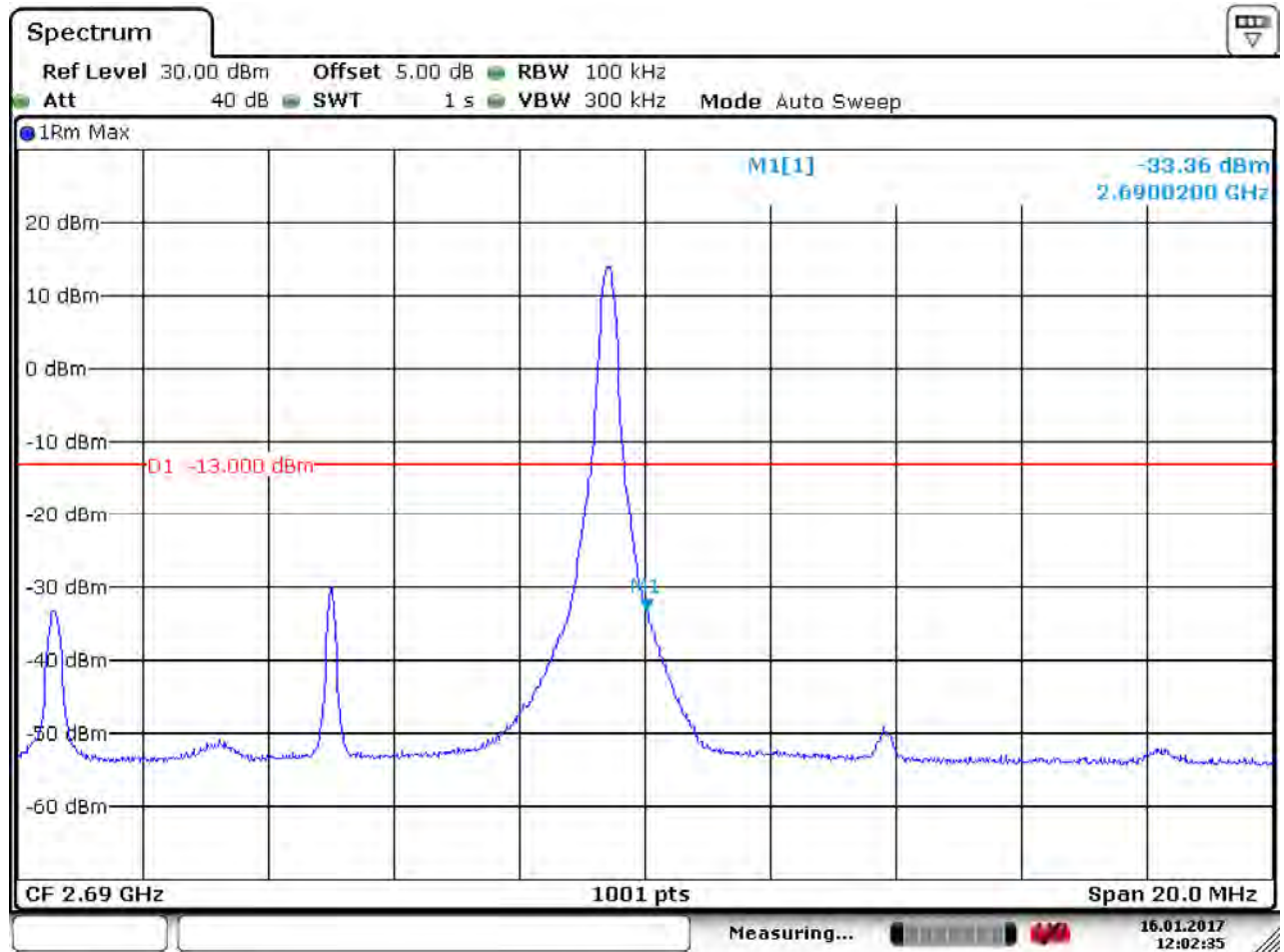


Date: 16.JAN.2017 11:58:19



5.1.1.6.3 Test Channel = HCH

5.1.1.6.3.1 Test RB=1RB



Date: 16.JAN.2017 12:02:35



5.1.1.6.3.2 Test RB=50RB



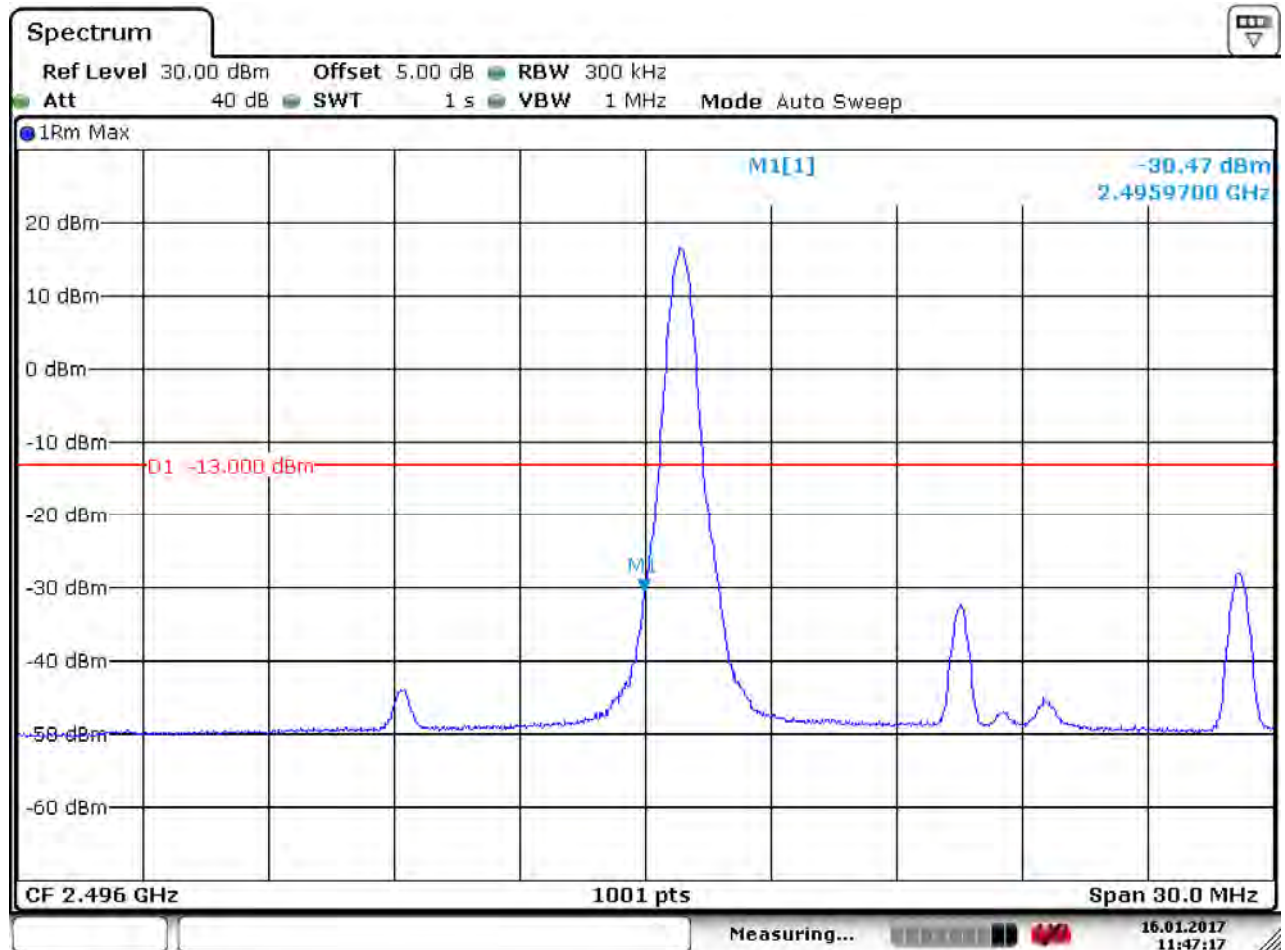
Date: 16.JAN.2017 12:05:35



5.1.1.7 Test Mode = LTE/TM1 15MHz

5.1.1.7.1 Test Channel = LCH

5.1.1.7.1.1 Test RB=1RB

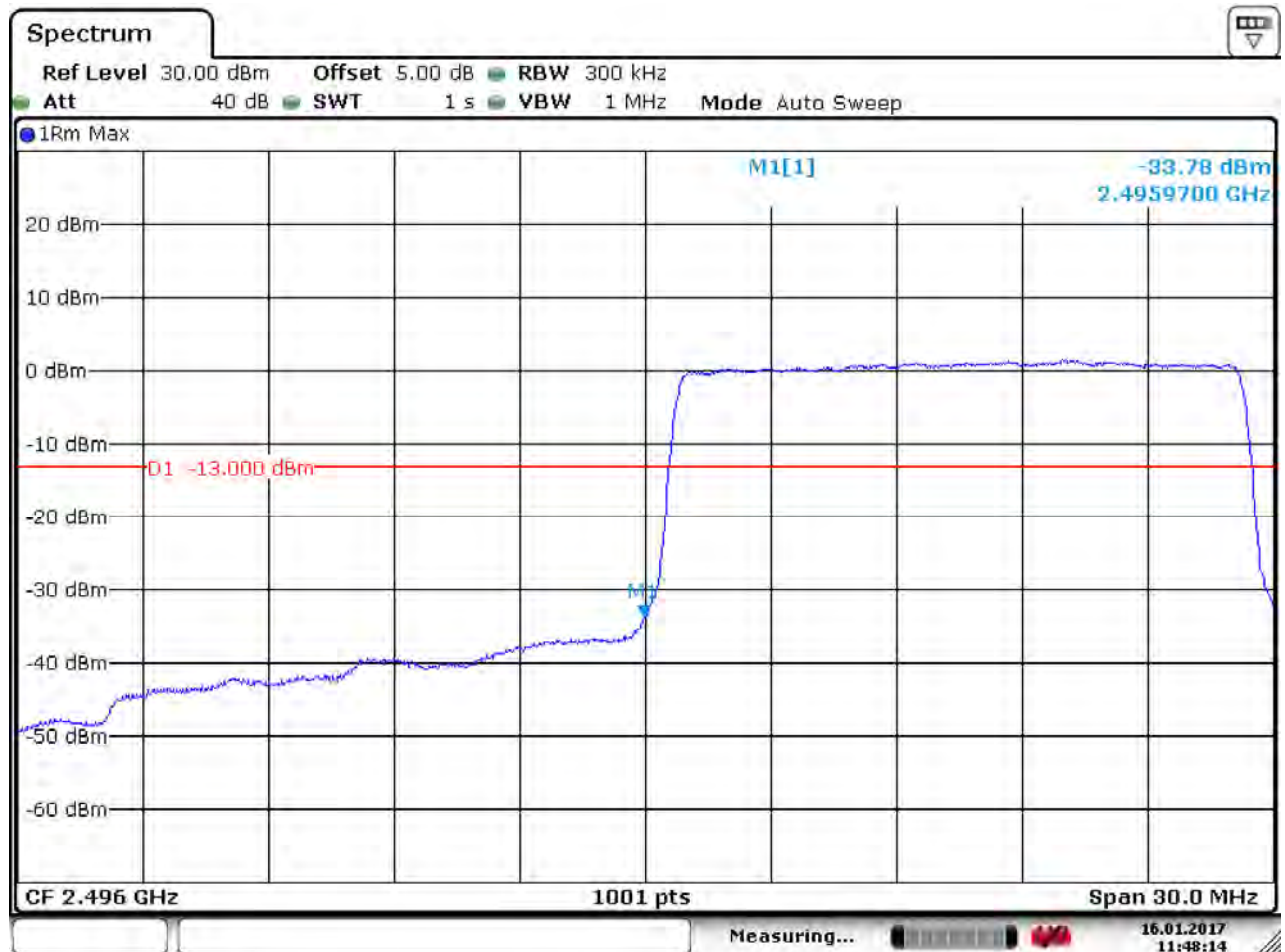


Date: 16.JAN.2017 11:47:18





5.1.1.7.1.2 Test RB=75RB

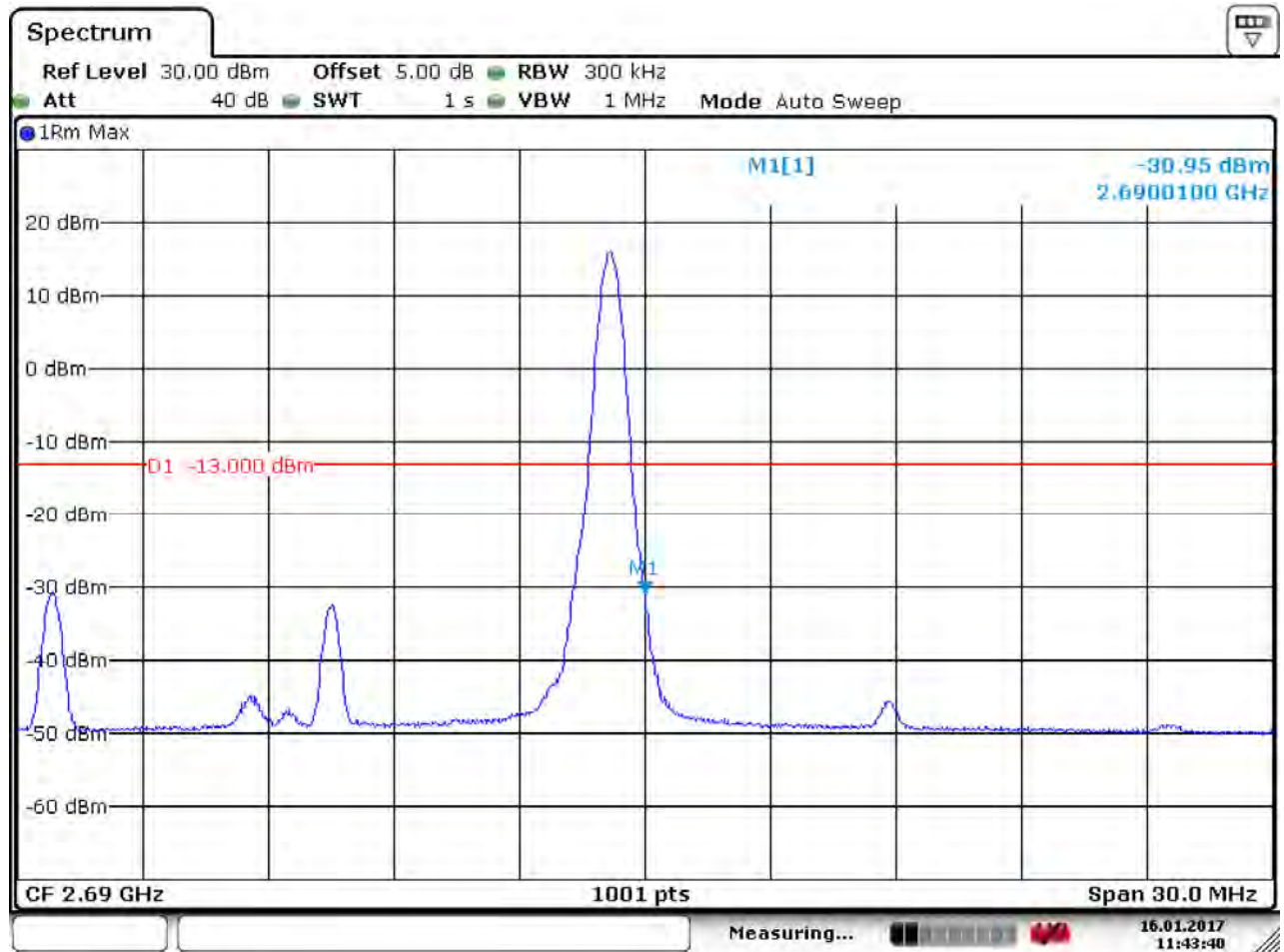


Date: 16.JAN.2017 11:48:15



5.1.1.7.2 Test Channel = HCH

5.1.1.7.2.1 Test RB=1RB



Date: 16.JAN.2017 11:43:41



5.1.1.7.2.2 Test RB=75RB



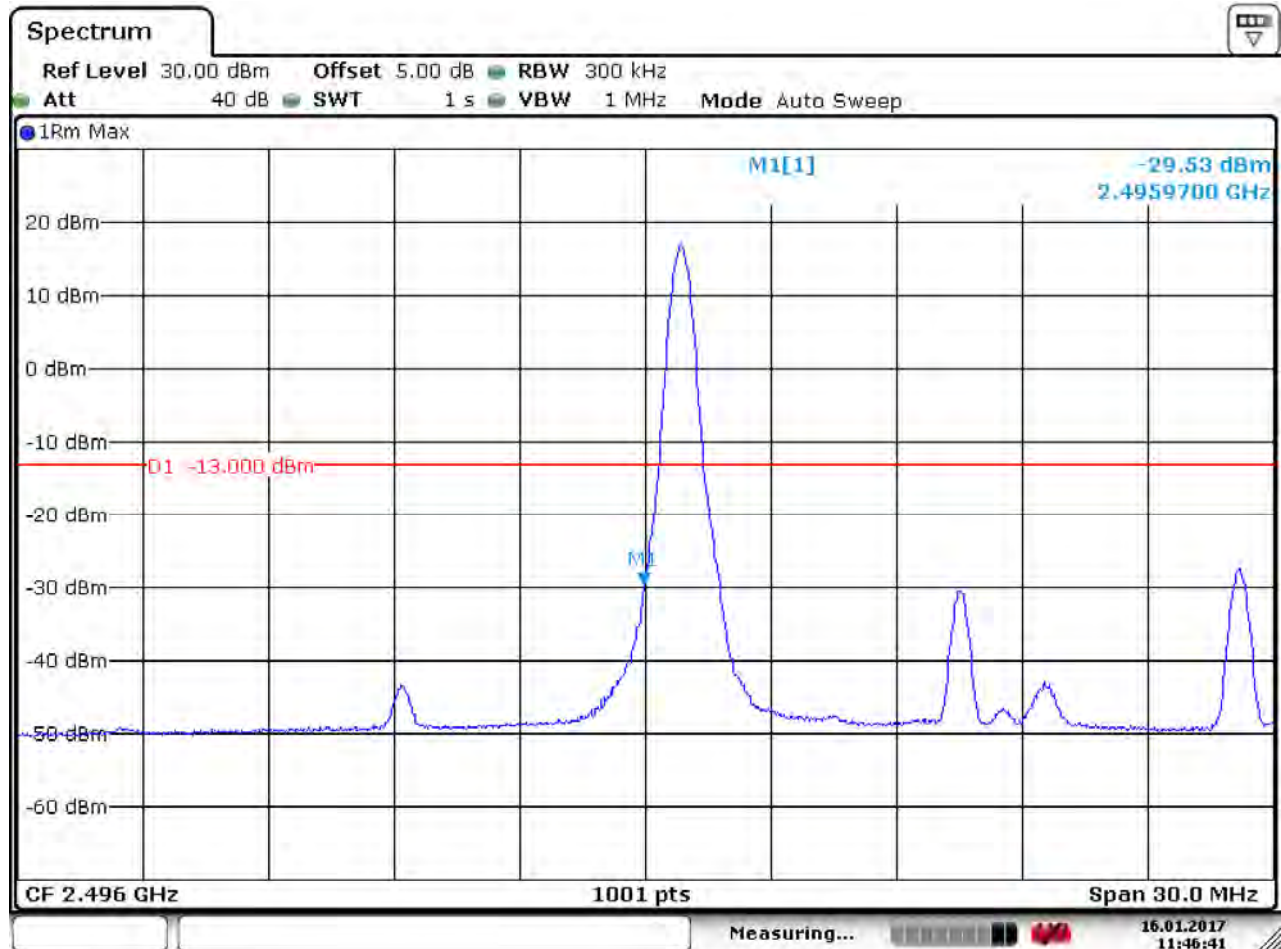
Date: 16.JAN.2017 11:43:08



5.1.1.8 Test Mode = LTE/TM2 15MHz

5.1.1.8.1 Test Channel = LCH

5.1.1.8.1.1 Test RB=1RB

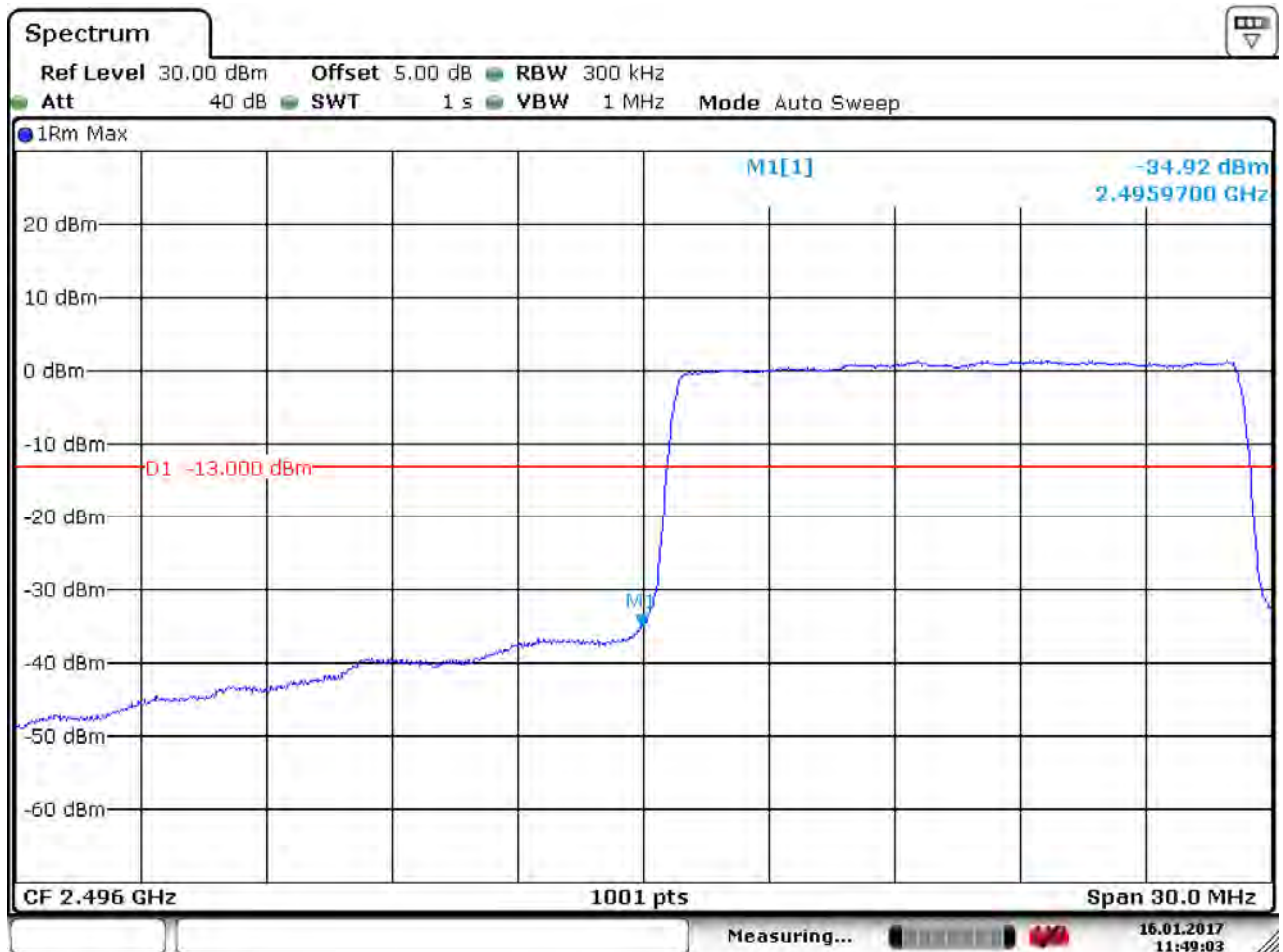


Date: 16.JAN.2017 11:46:41





5.1.1.8.1.2 Test RB=75RB

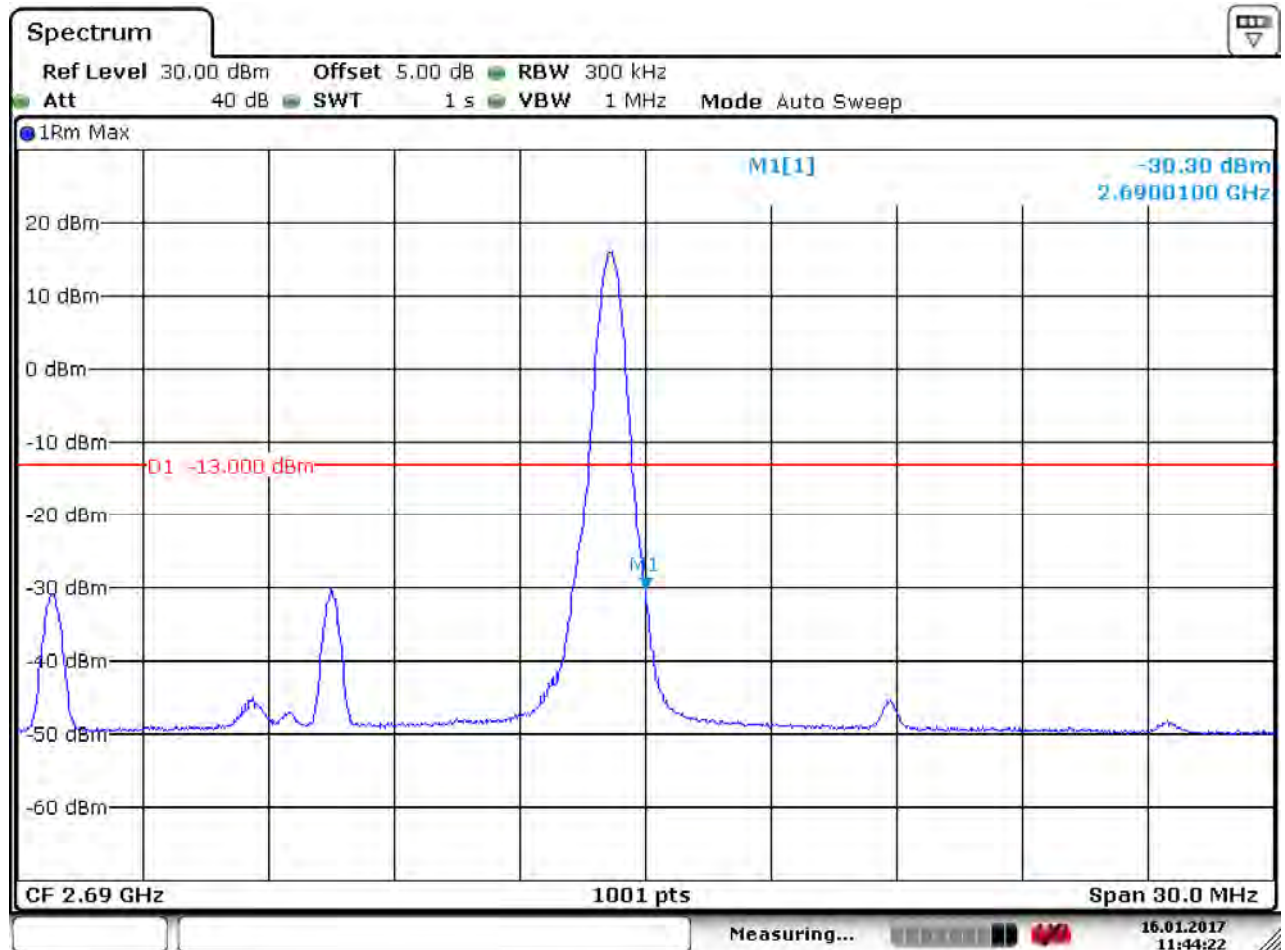


Date: 16.JAN.2017 11:49:03



5.1.1.8.2 Test Channel = HCH

5.1.1.8.2.1 Test RB=1RB



Date: 16.JAN.2017 11:44:22



5.1.1.8.2.2 Test RB=75RB



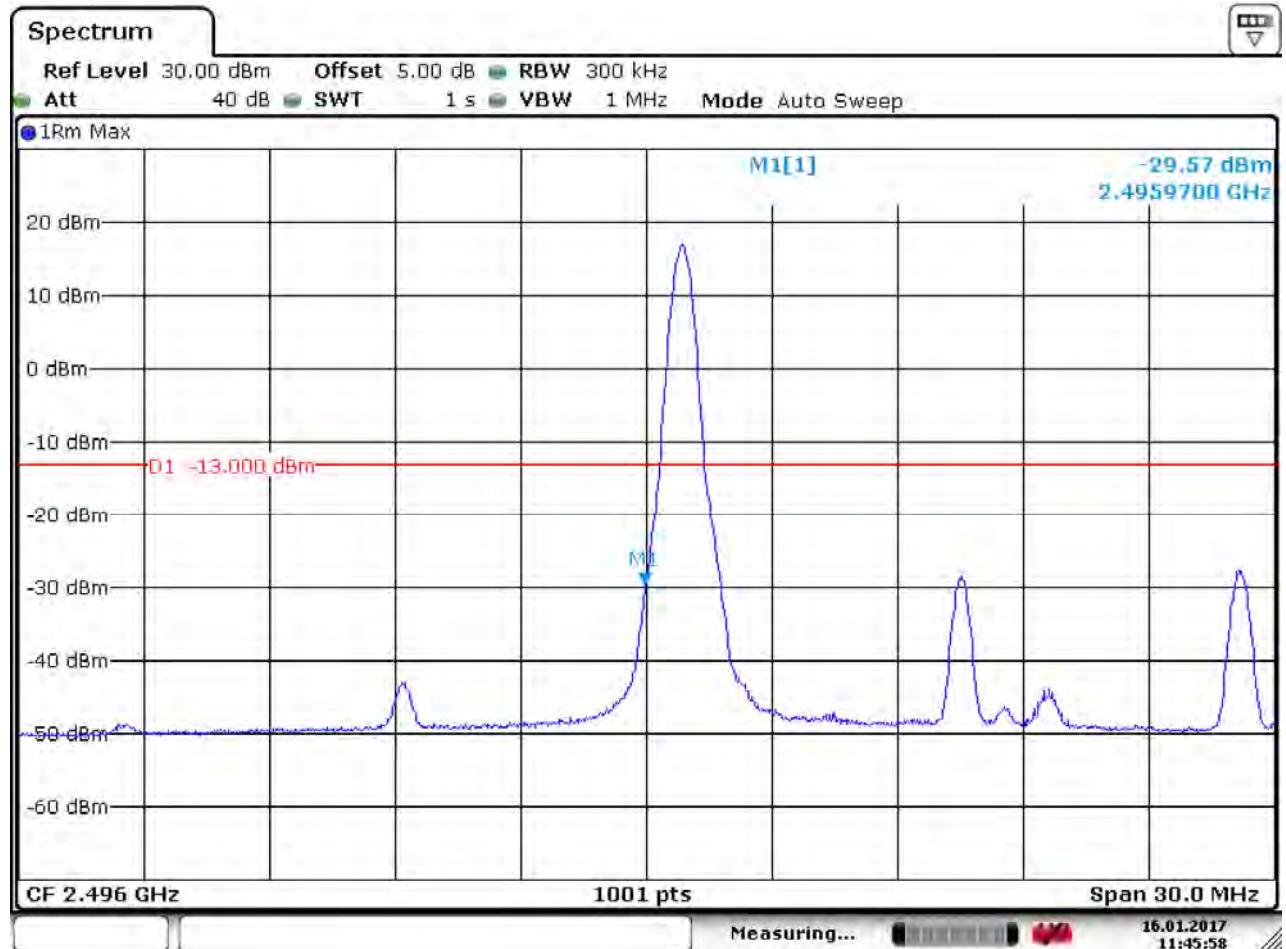
Date: 16.JAN.2017 11:42:40



5.1.1.9 Test Mode = LTE/TM3 15MHz

5.1.1.9.1 Test Channel = LCH

5.1.1.9.1.1 Test RB=1RB

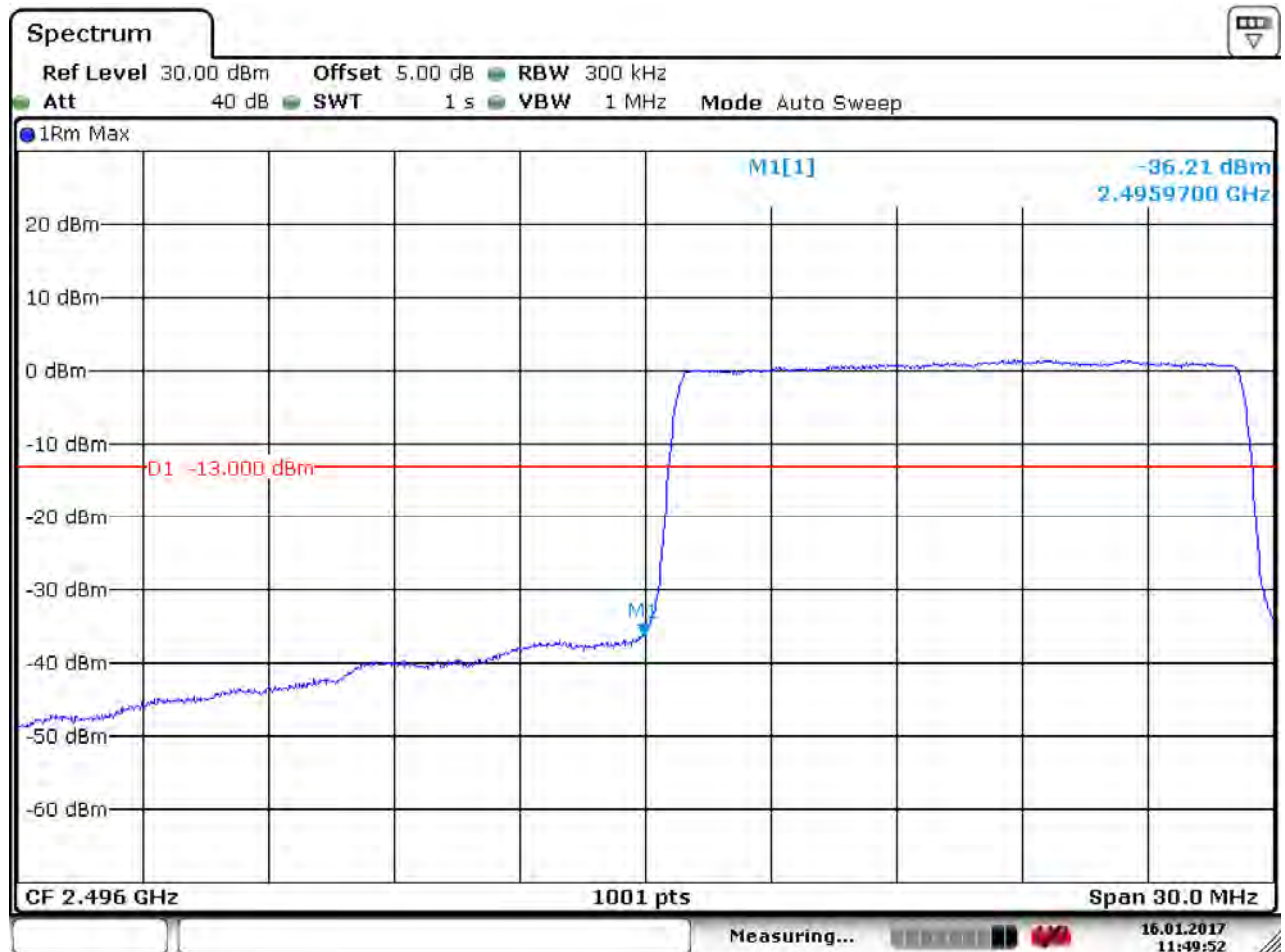


Date: 16.JAN.2017 11:45:58





5.1.1.9.1.2 Test RB=75RB

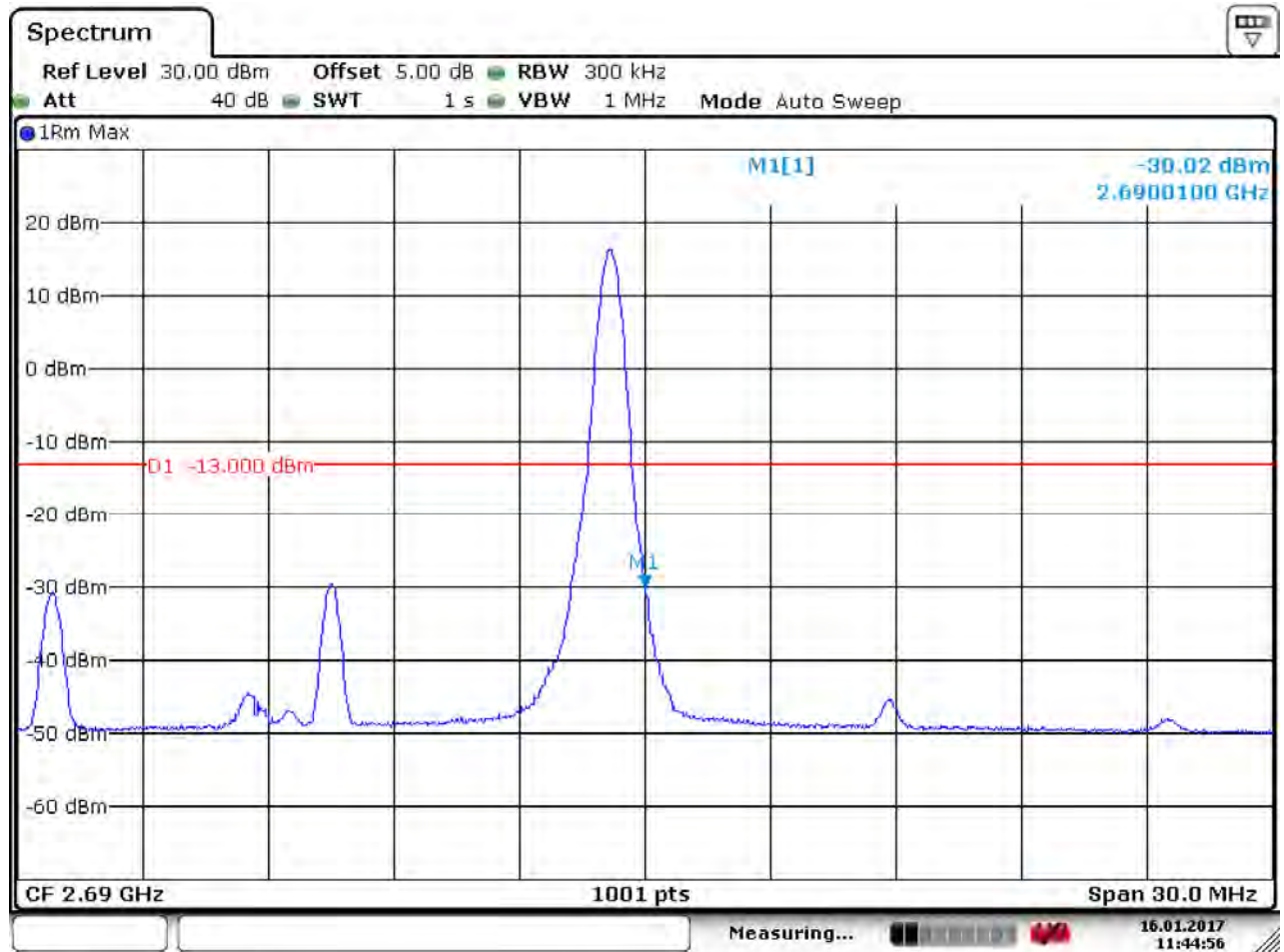


Date: 16.JAN.2017 11:49:53



5.1.1.9.2 Test Channel = HCH

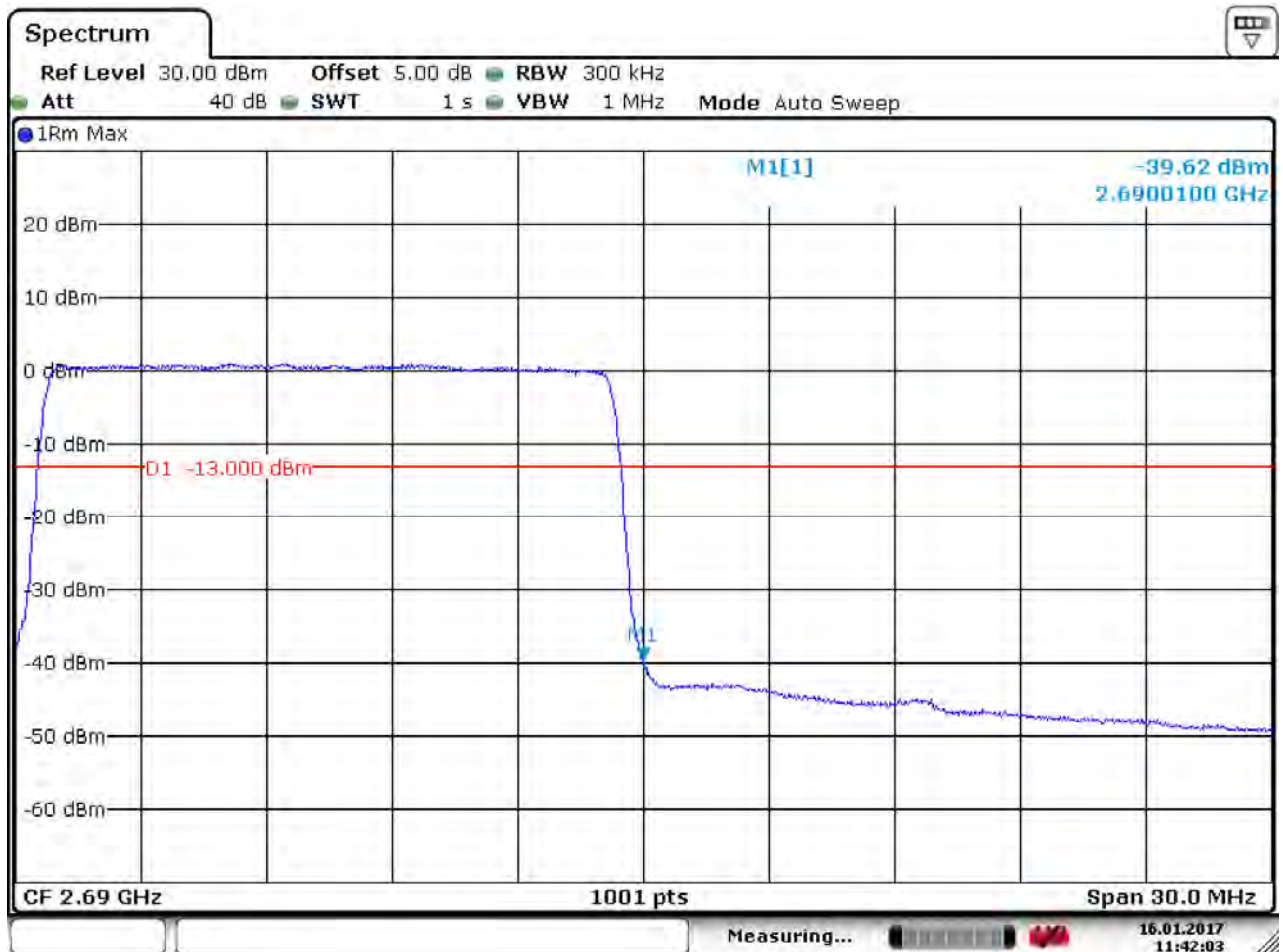
5.1.1.9.2.1 Test RB=1RB



Date: 16.JAN.2017 11:44:57



5.1.1.9.2.2 Test RB=75RB

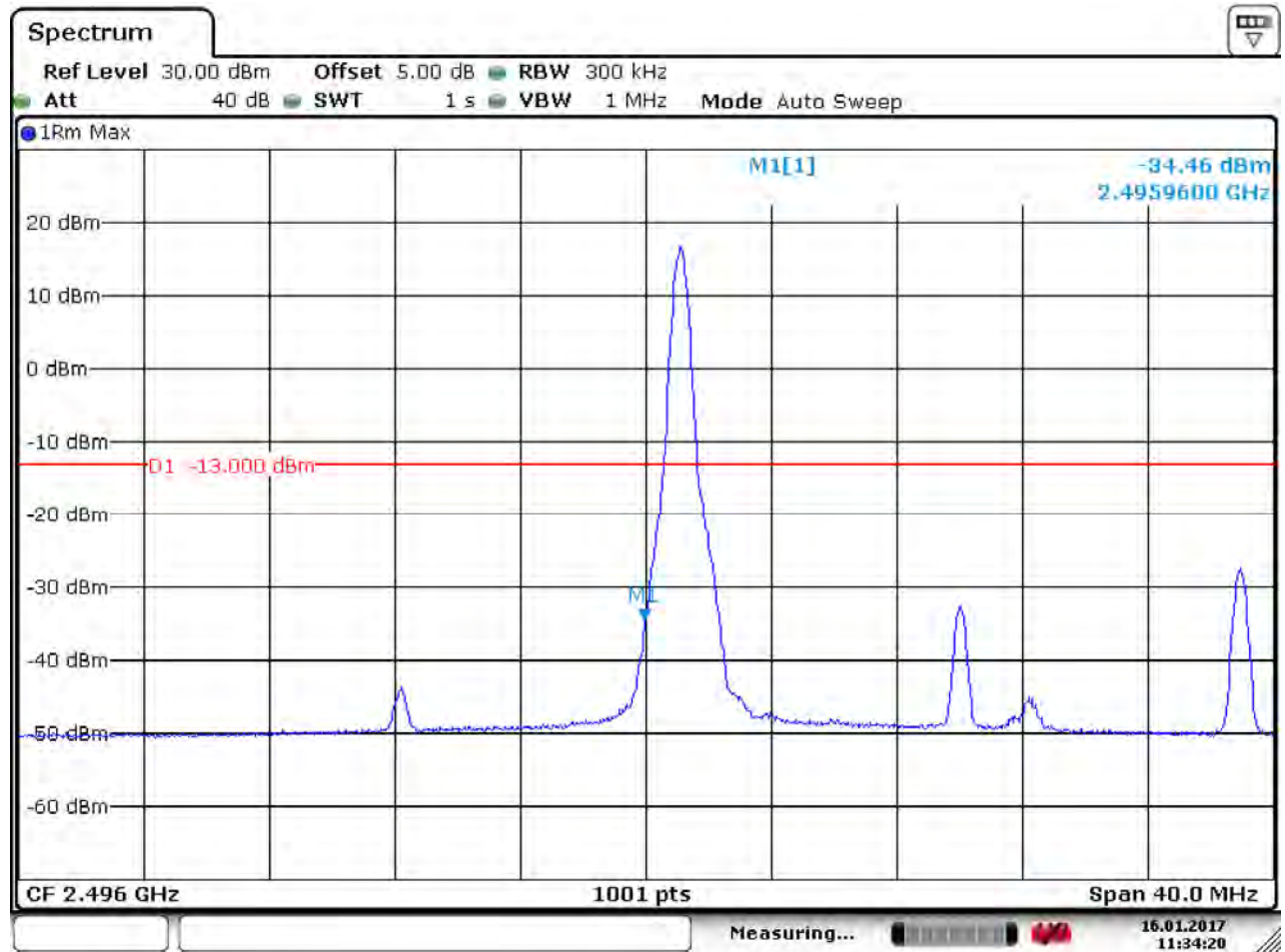


Date: 16.JAN.2017 11:42:03

**5.1.1.10 Test Mode = LTE/TM1 20MHz**

**5.1.1.10.1 Test Channel = LCH**

**5.1.1.10.1.1 Test RB=1RB**

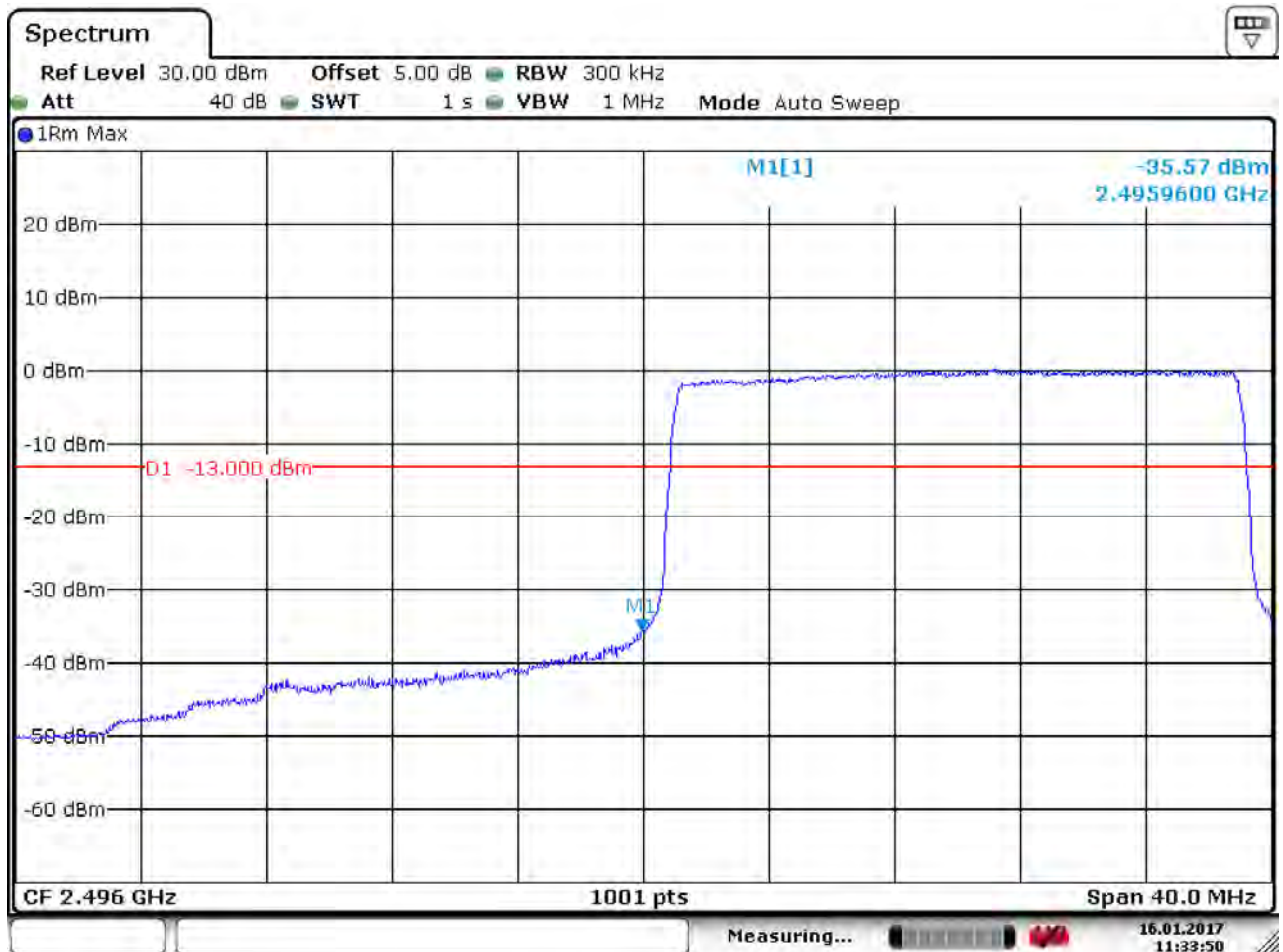


Date: 16.JAN.2017 11:34:21





5.1.1.10.1.2 Test RB=100RB

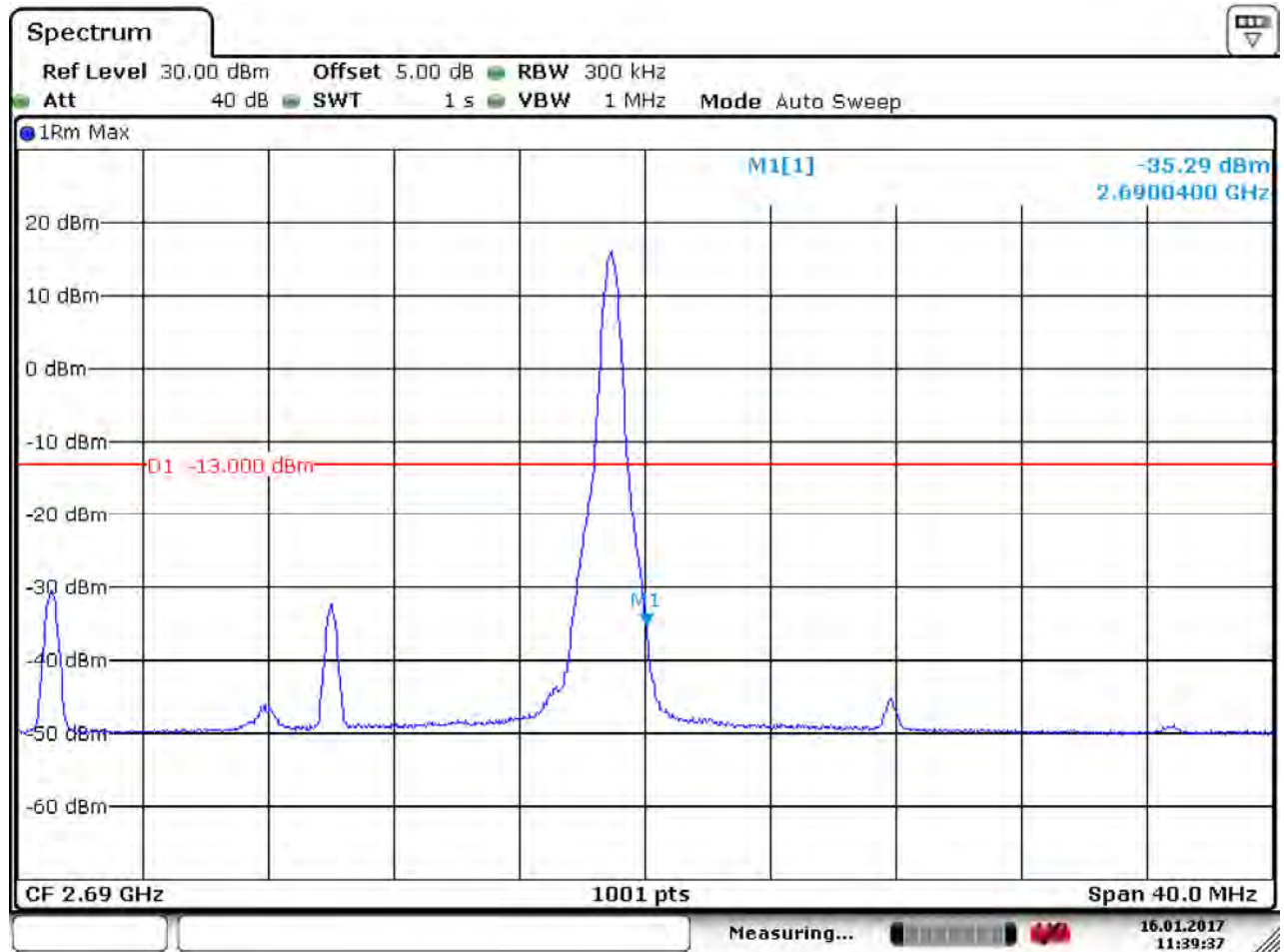


Date: 16.JAN.2017 11:33:51



5.1.1.10.2 Test Channel = HCH

5.1.1.10.2.1 Test RB=1RB



Date: 16.JAN.2017 11:39:37

5.1.1.10.2.2 Test RB=100RB



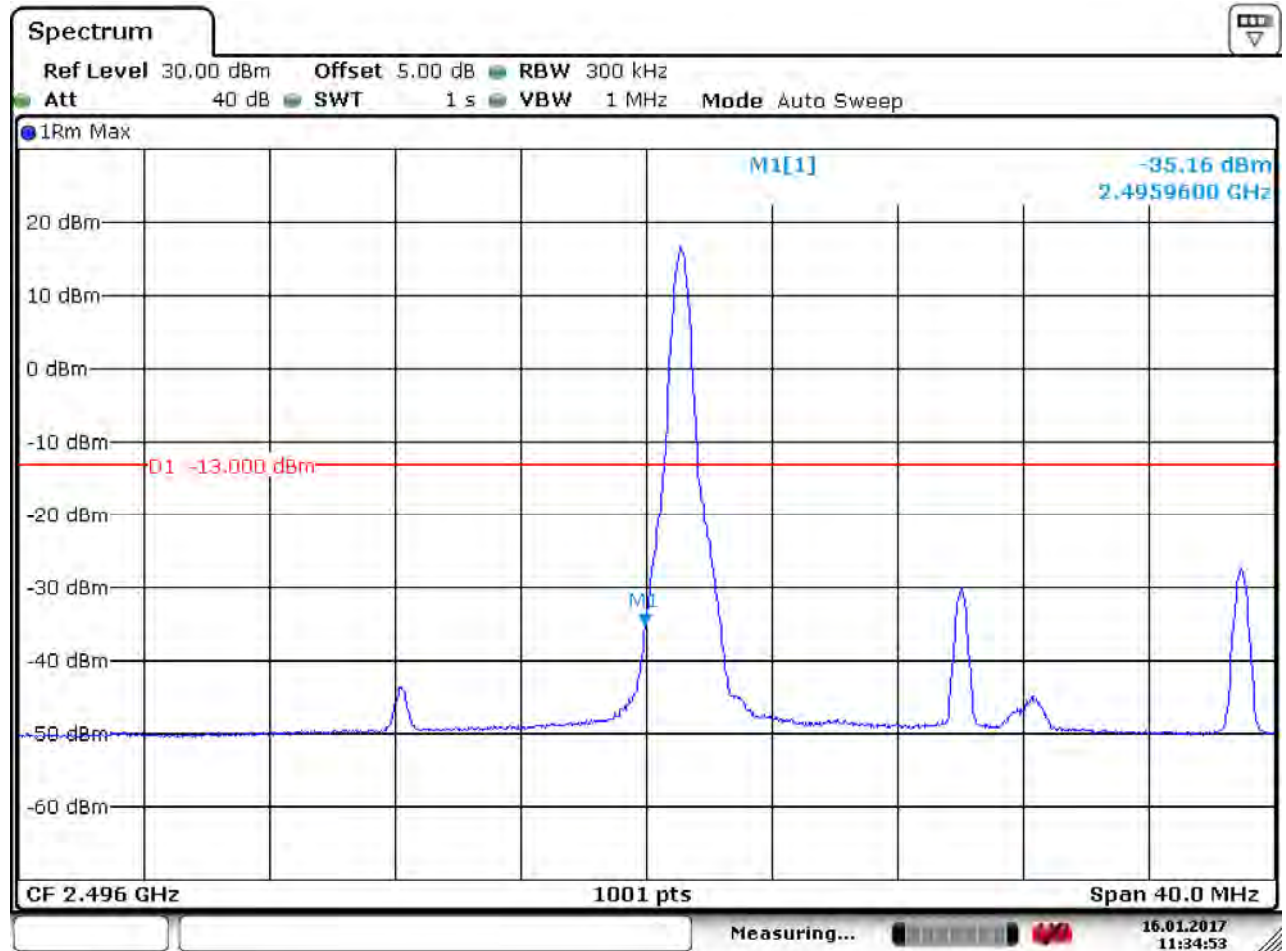
Date: 16.JAN.2017 11:40:12



5.1.1.11 Test Mode = LTE/TM2 20MHz

5.1.1.11.1 Test Channel = LCH

5.1.1.11.1.1 Test RB=1RB

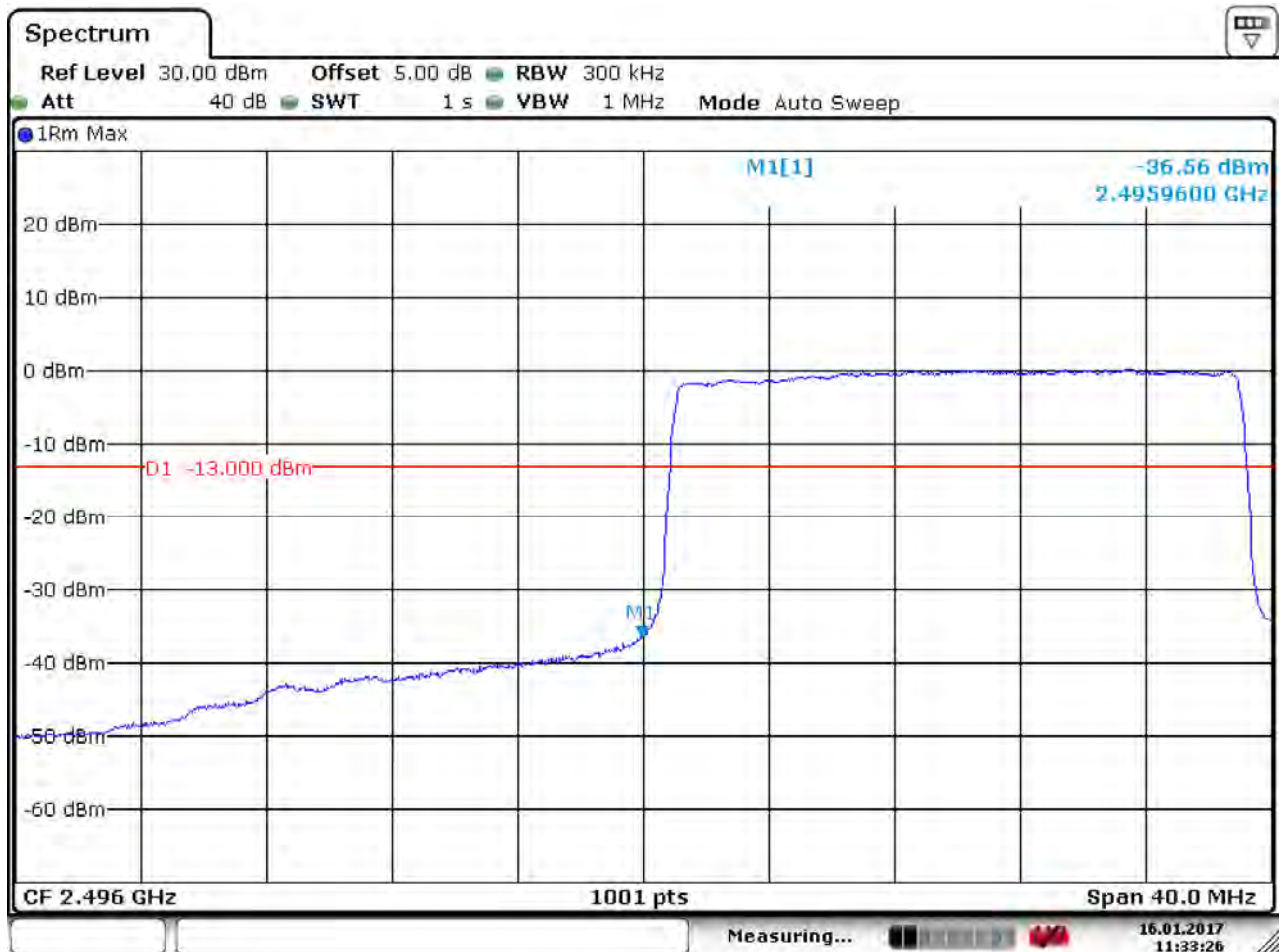


Date: 16.JAN.2017 11:34:54





5.1.1.11.1.2 Test RB=100RB

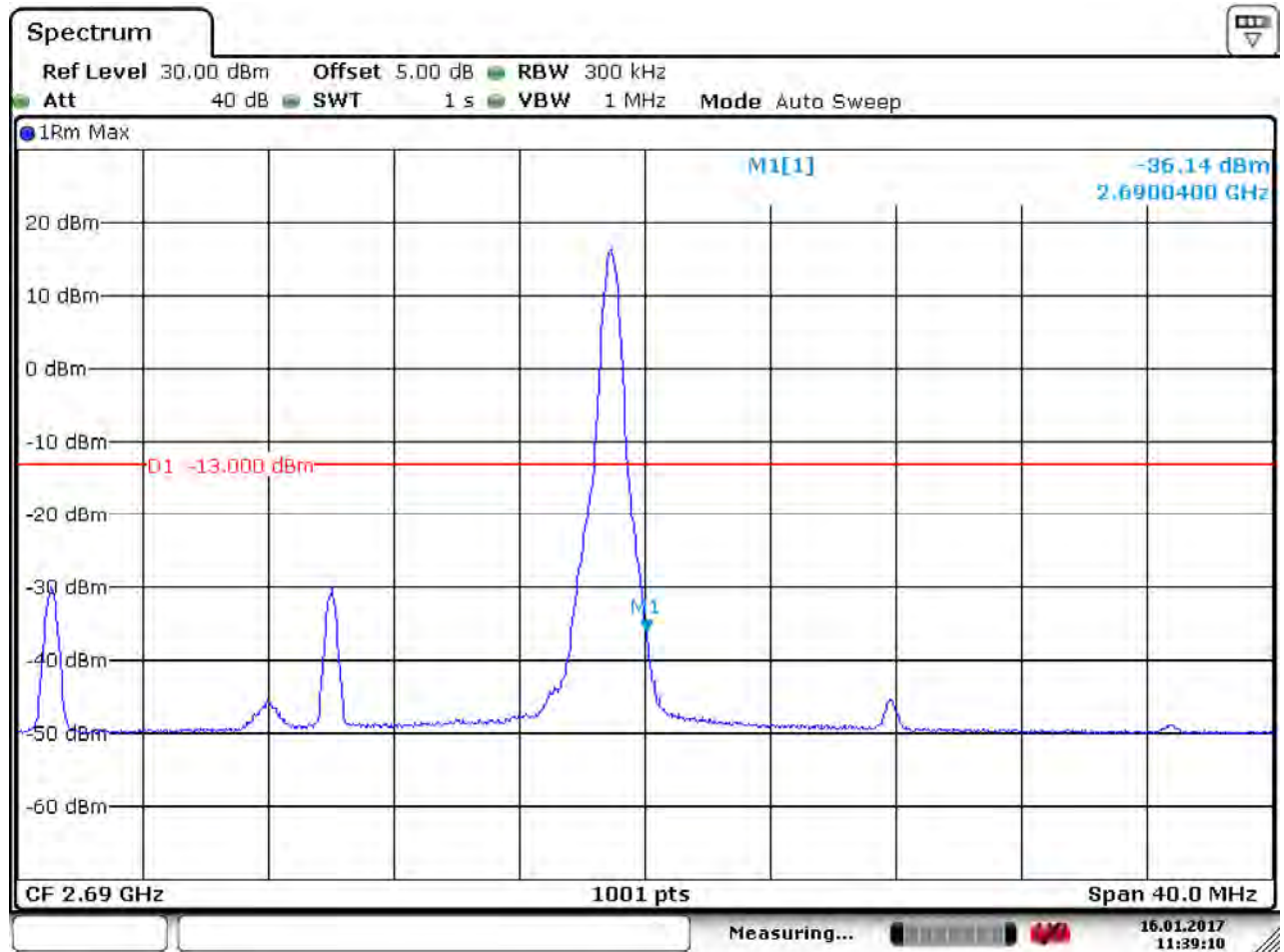


Date: 16.JAN.2017 11:33:26



5.1.1.11.2 Test Channel = HCH

5.1.1.11.2.1 Test RB=1RB



Date: 16.JAN.2017 11:39:11



5.1.1.11.2.2 Test RB=100RB

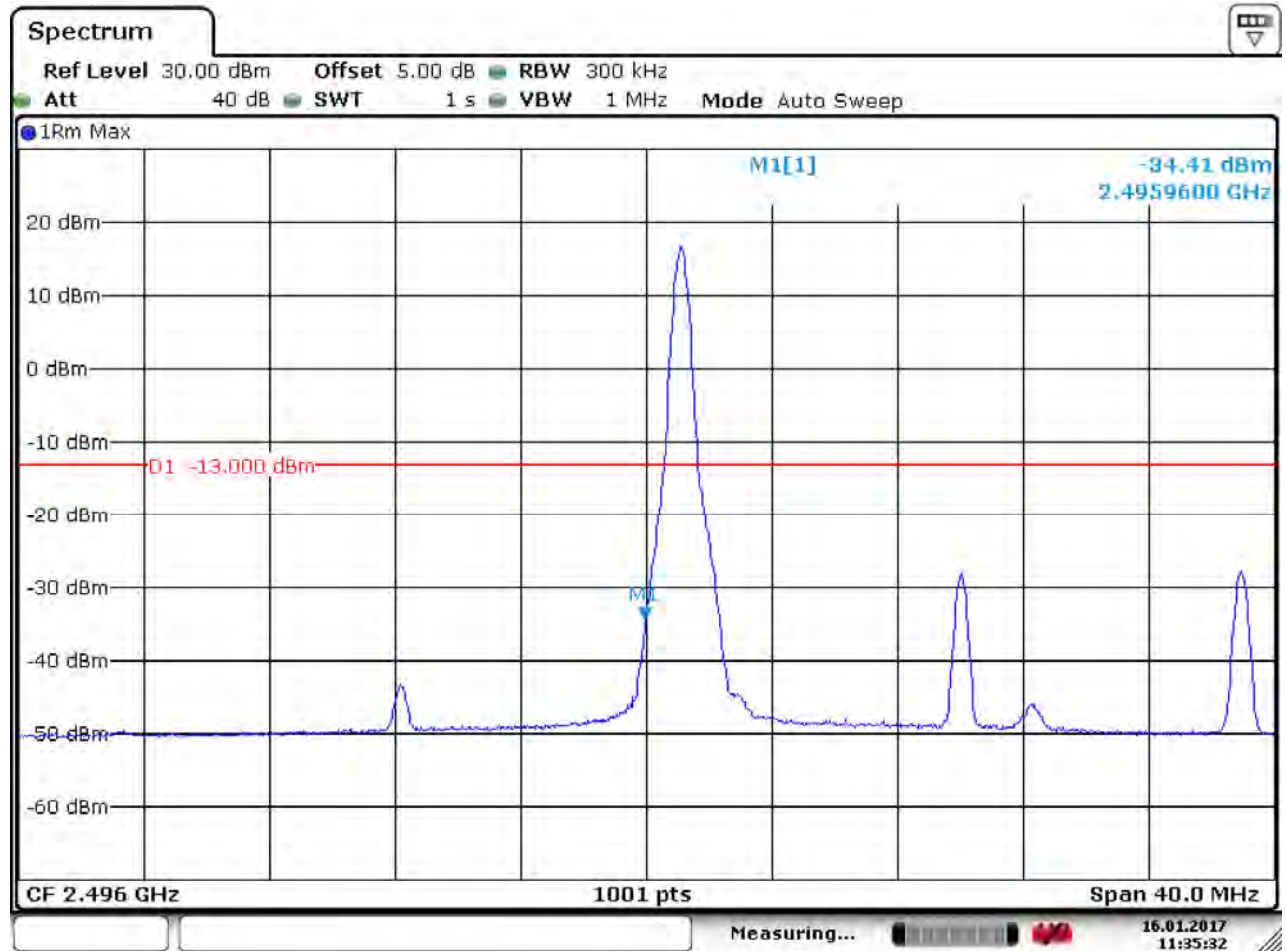


Date: 16.JAN.2017 11:40:41

5.1.1.12 Test Mode = LTE/TM3 20MHz

5.1.1.12.1 Test Channel = LCH

5.1.1.12.1.1 Test RB=1RB



Date: 16.JAN.2017 11:35:33





5.1.1.12.1.2 Test RB=100RB

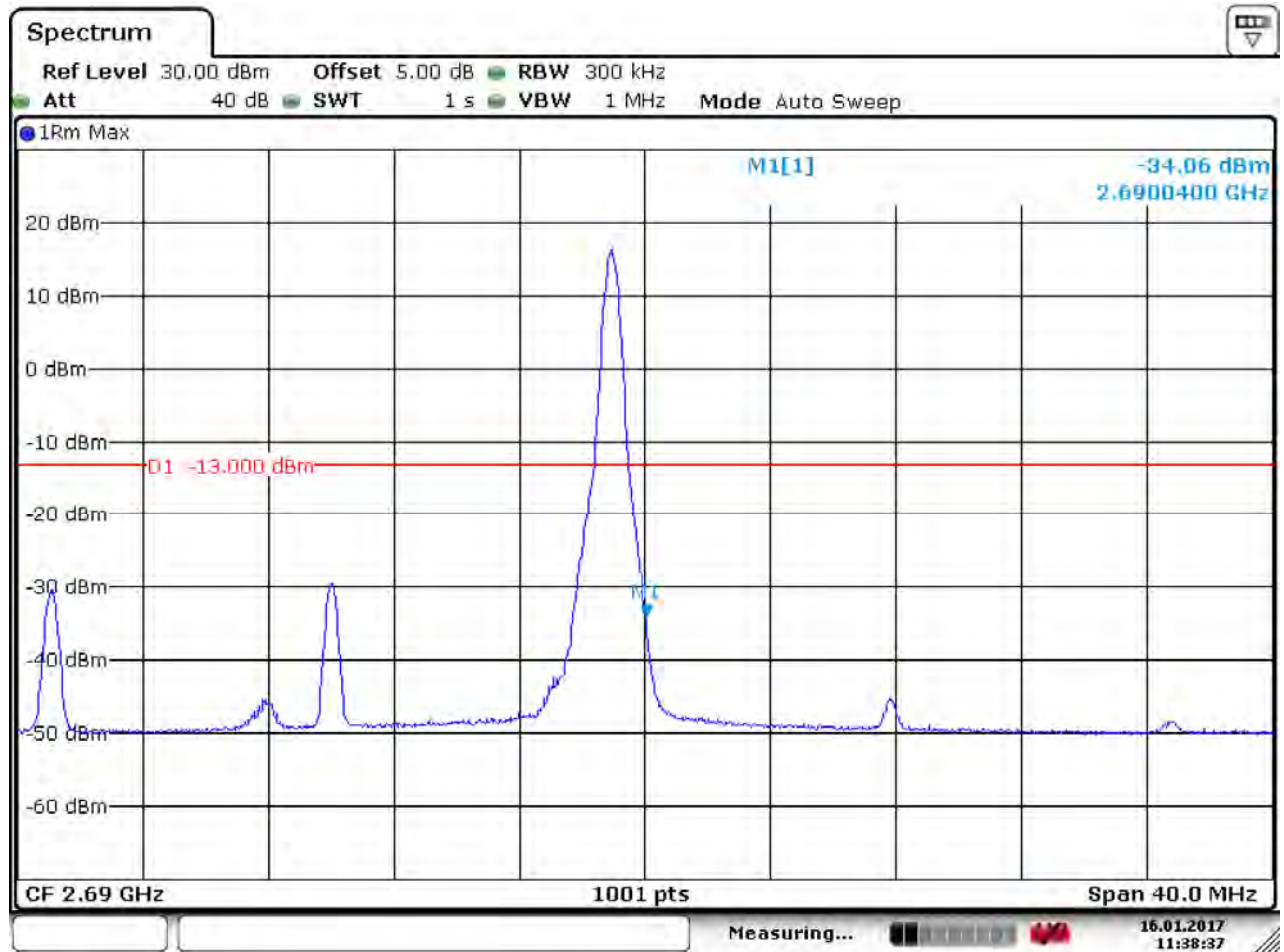


Date: 16.JAN.2017 11:32:14



5.1.1.12.2 Test Channel = HCH

5.1.1.12.2.1 Test RB=1RB



Date: 16.JAN.2017 11:38:38



5.1.1.12.2.2 Test RB=100RB



Date: 16.JAN.2017 11:41:14



## 6 Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

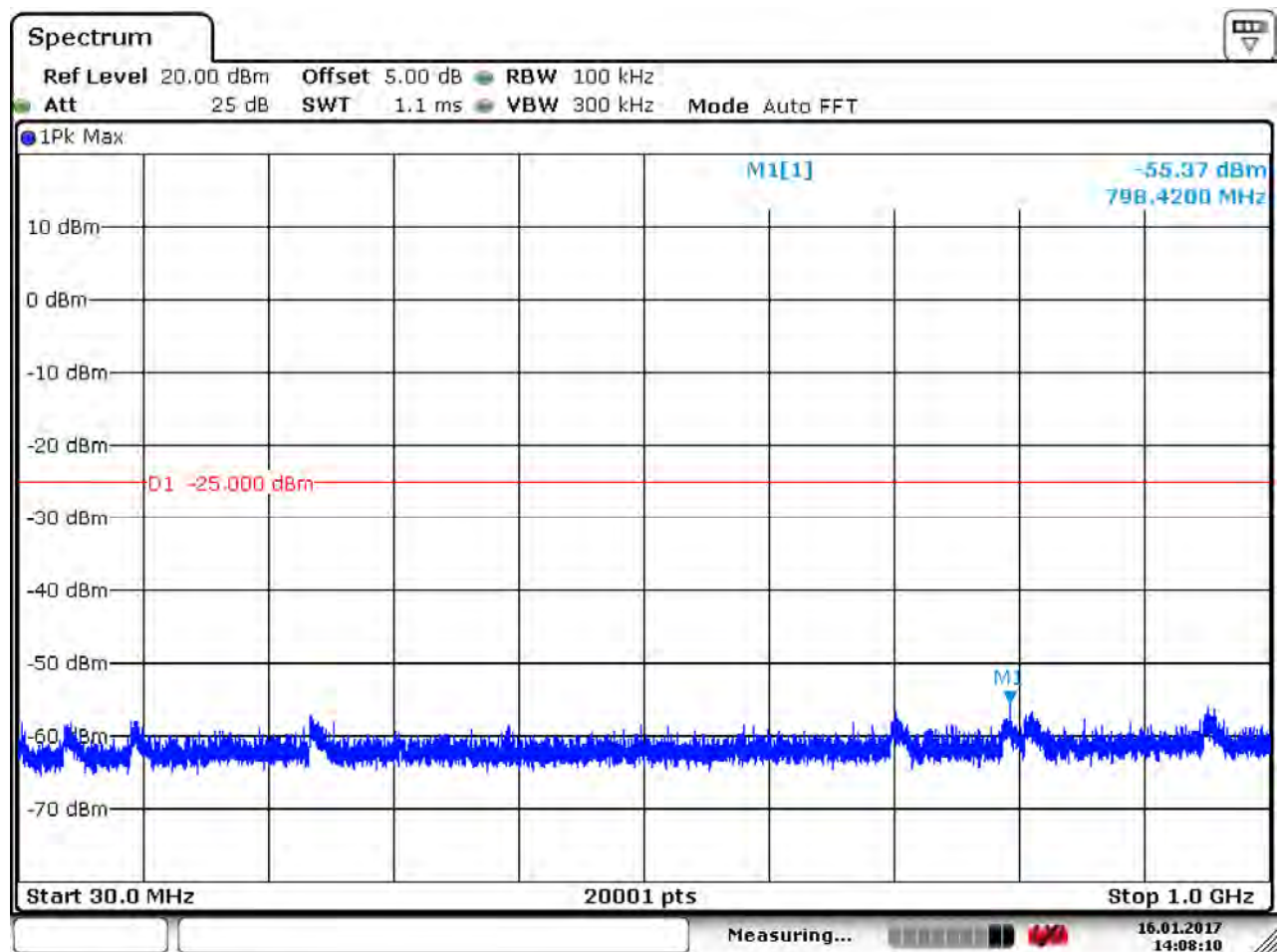
Part I - Test Plots

### 6.1 For LTE

#### 6.1.1 Test Band = LTE band 41

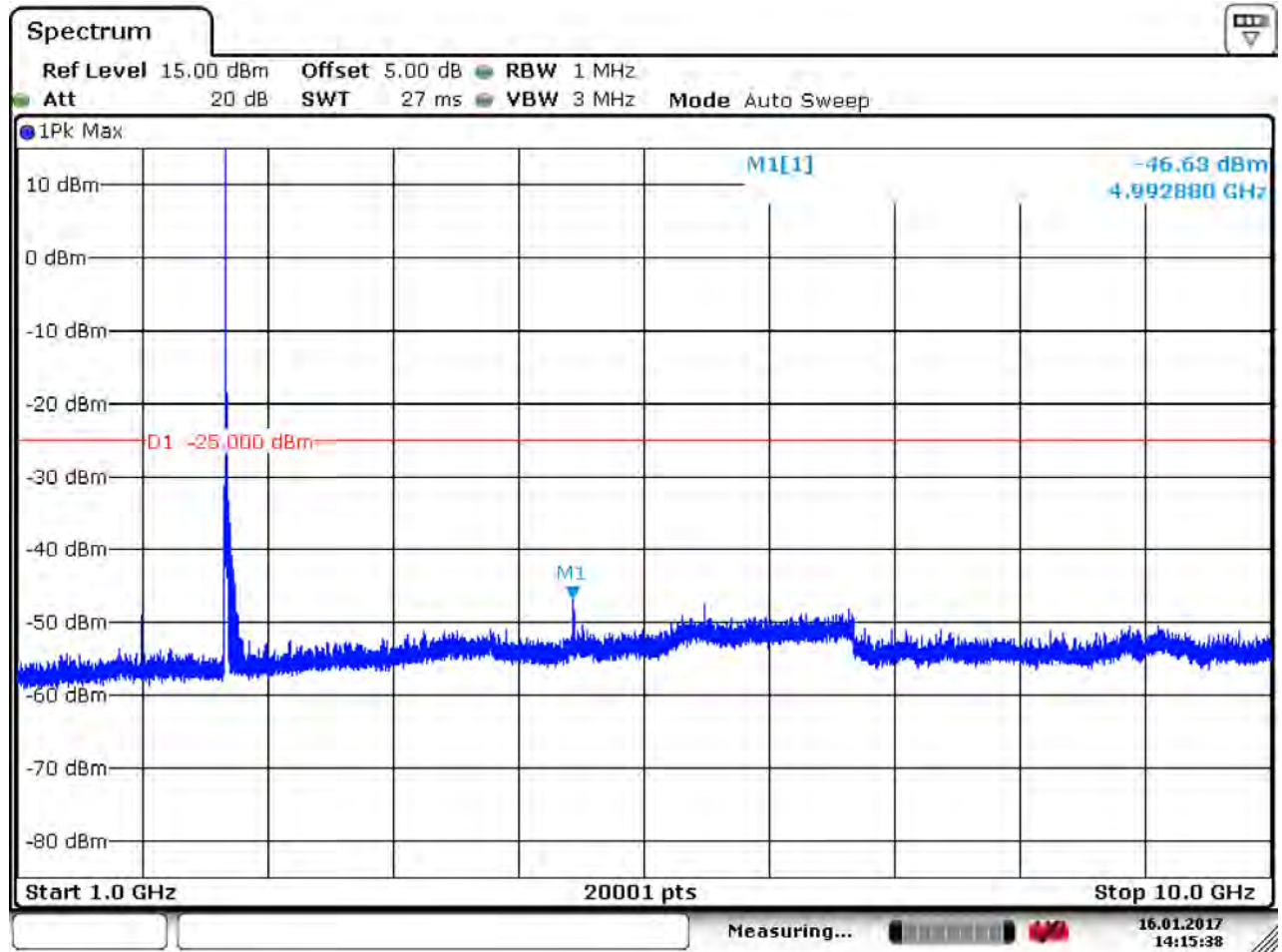
##### 6.1.1.1 Test Mode = LTE / TM1 5MHz RB1#0

##### 6.1.1.1.1 Test Channel = LCH

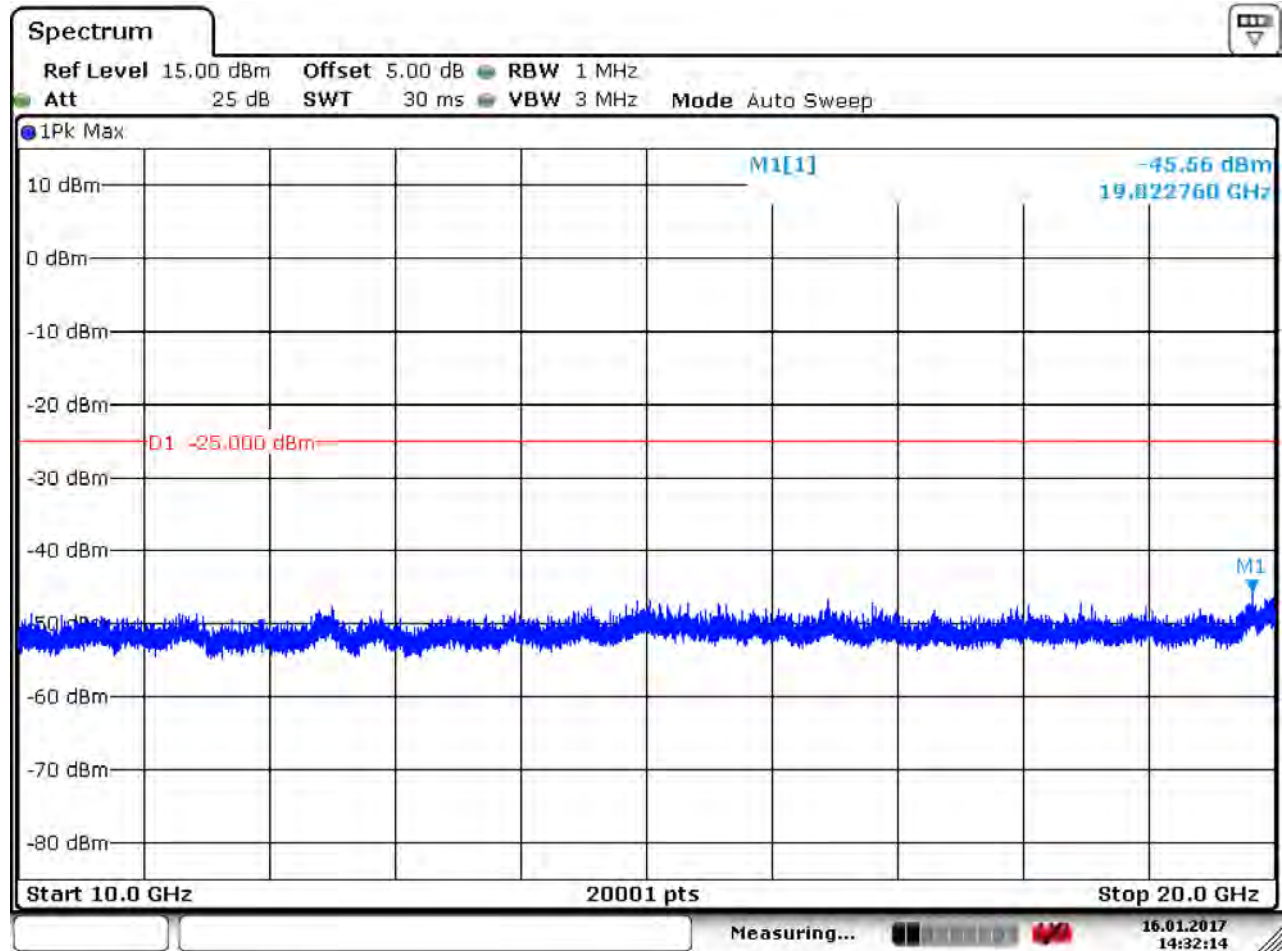


Date: 16.JAN.2017 14:08:10

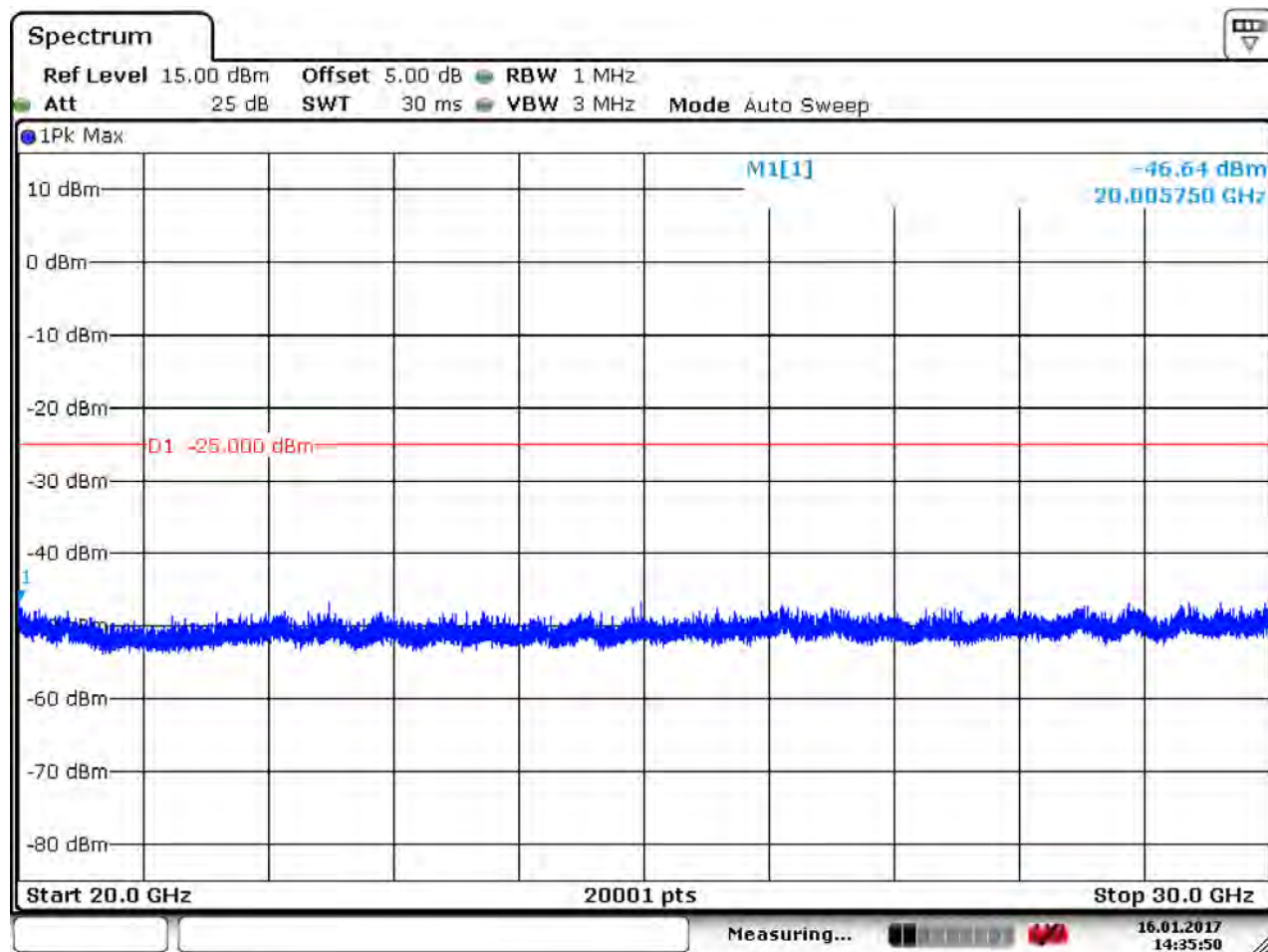




Date: 16.JAN.2017 14:15:39



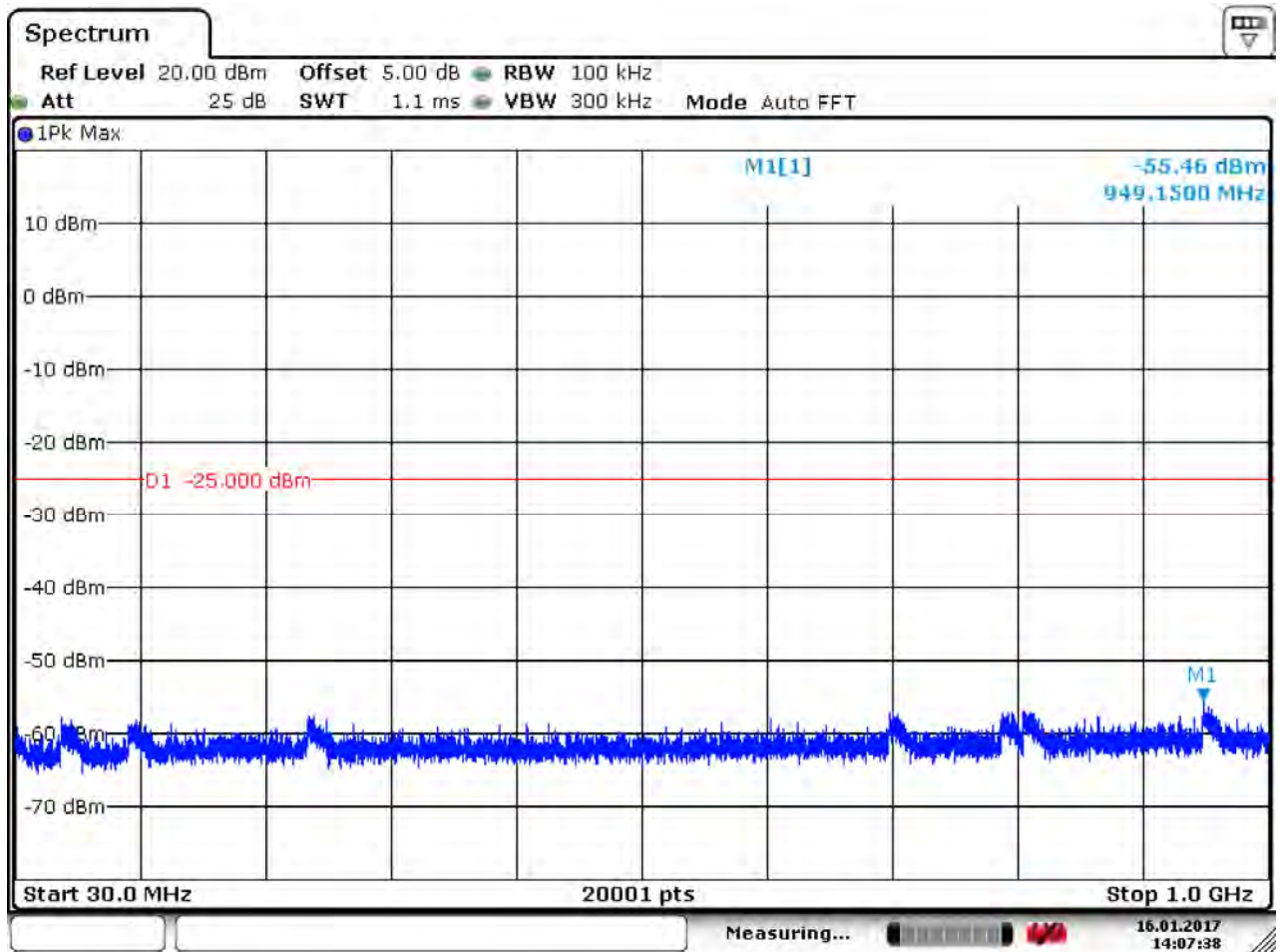
Date: 16.JAN.2017 14:32:15



Date: 16.JAN.2017 14:35:51

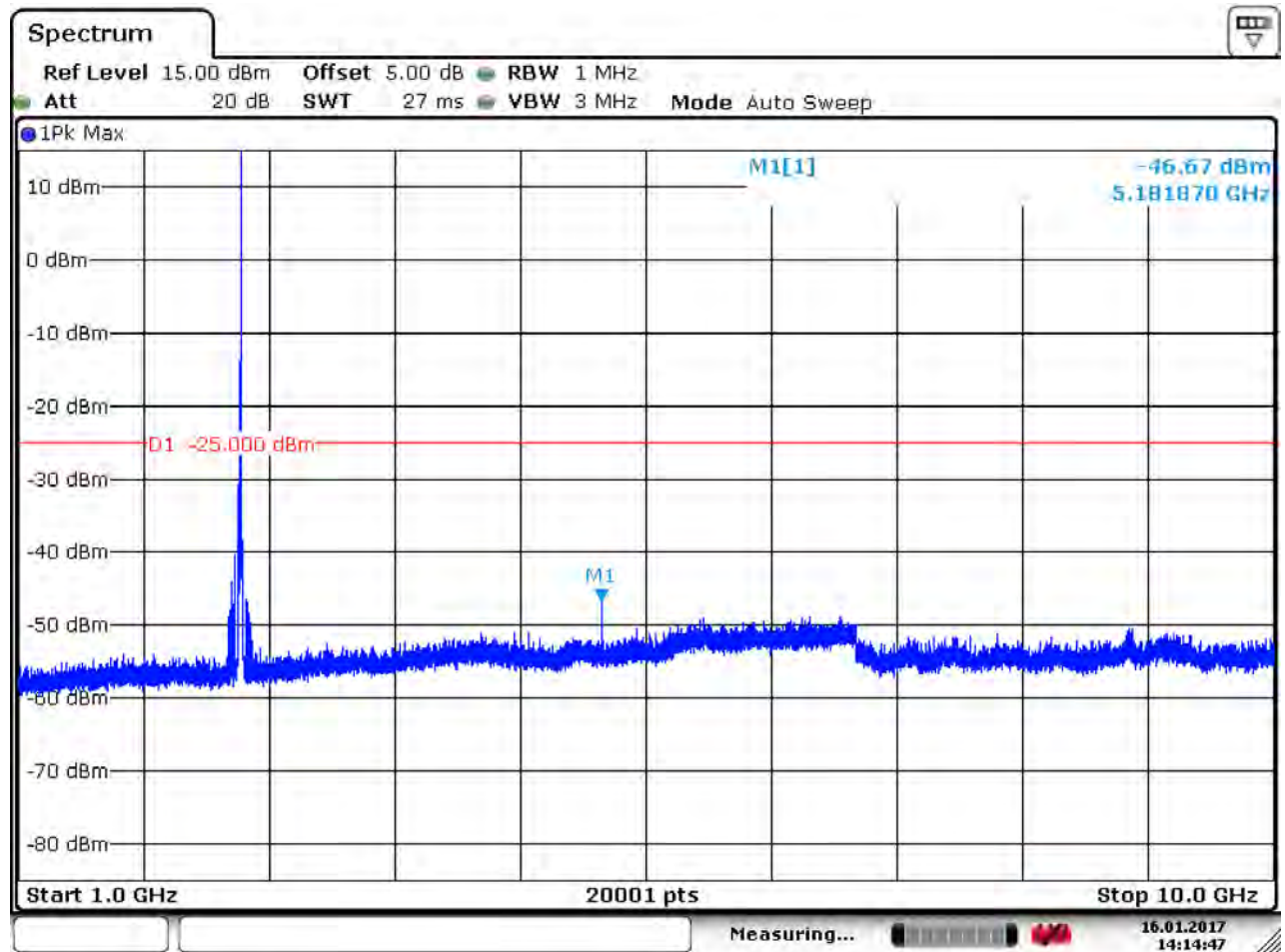


6.1.1.1.2 Test Channel = MCH

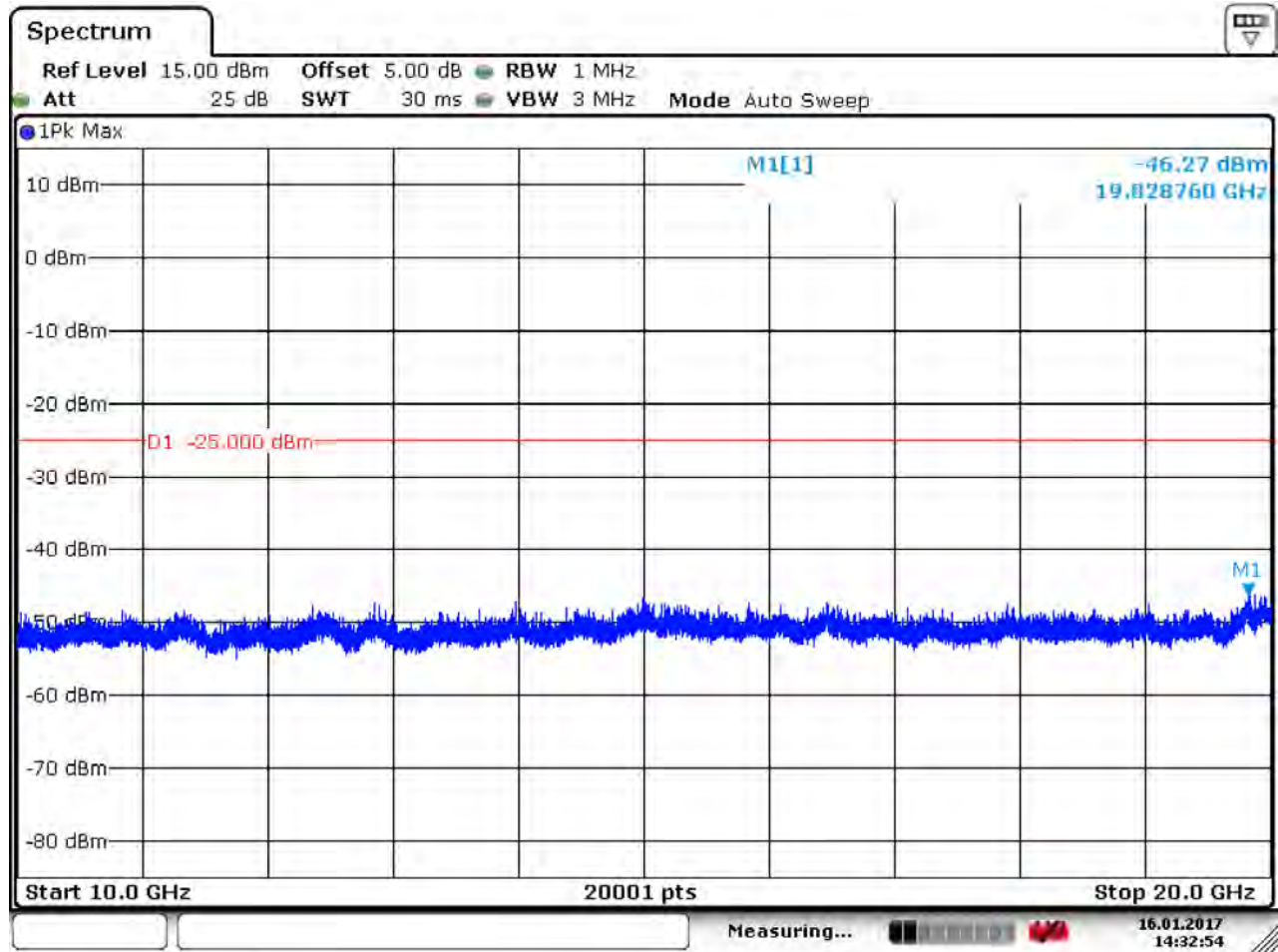


Date: 16.JAN.2017 14:07:38

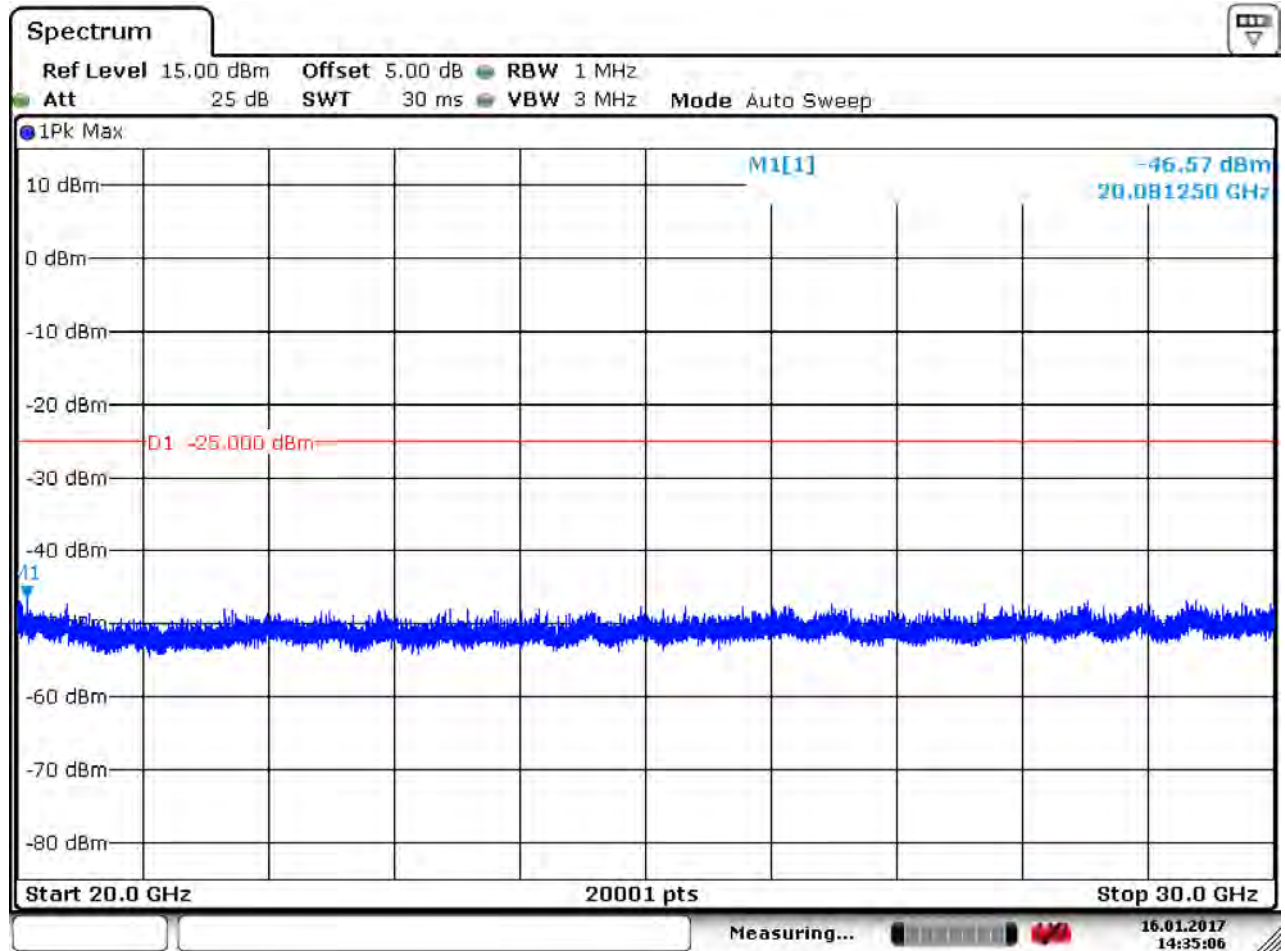




Date: 16.JAN.2017 14:14:48



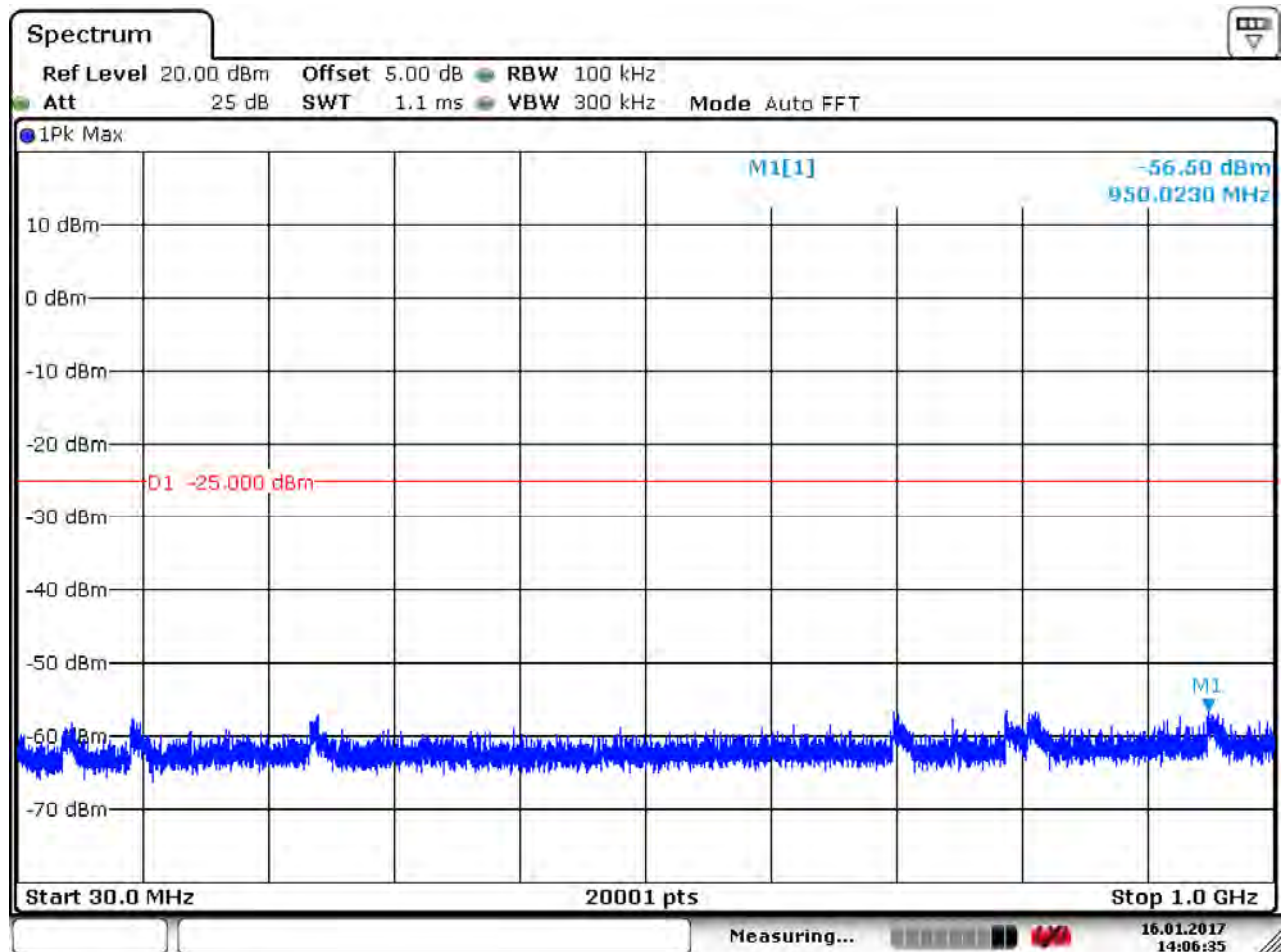
Date: 16.JAN.2017 14:32:55



Date: 16.JAN.2017 14:35:06

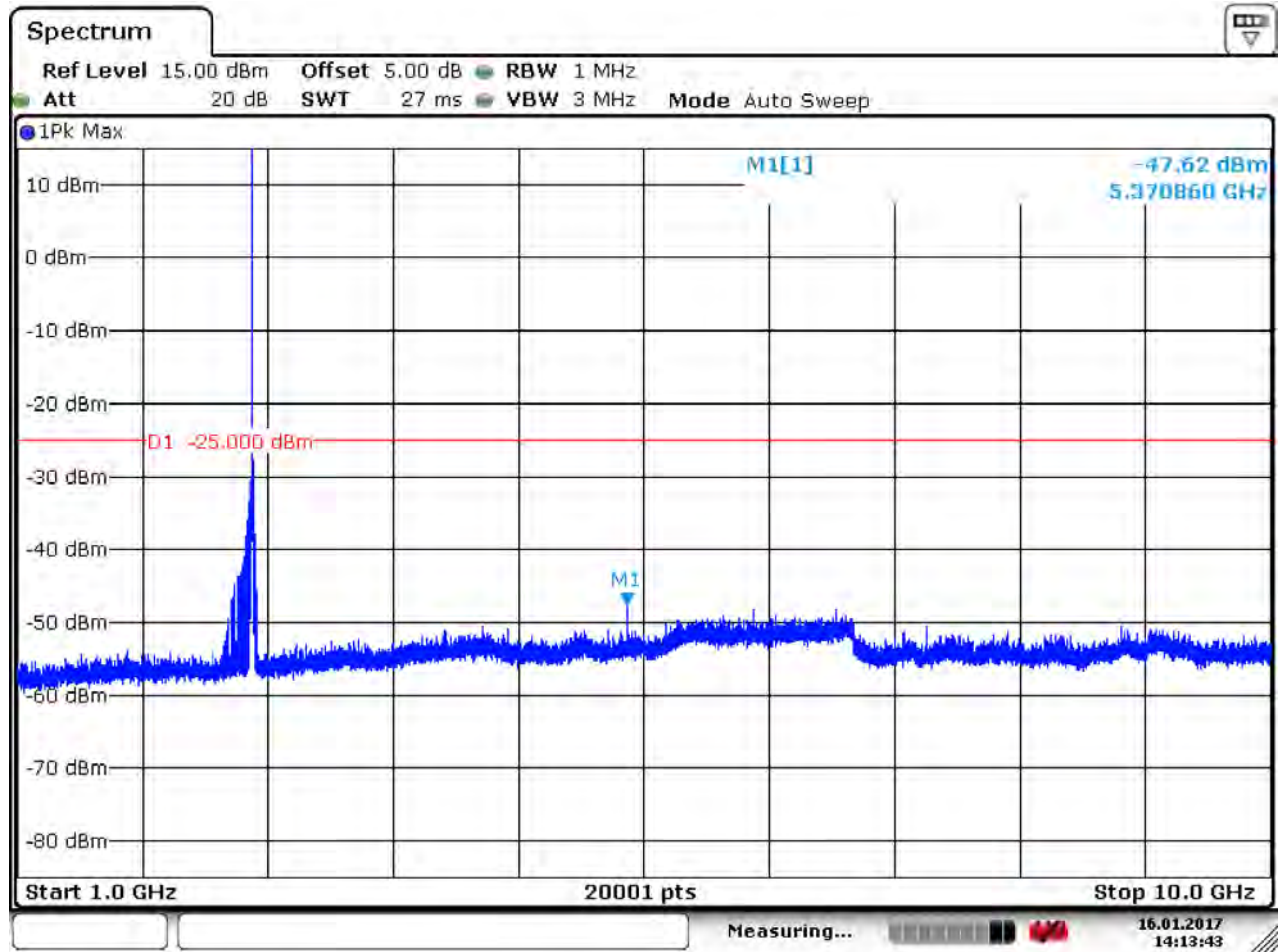


6.1.1.1.3 Test Channel = HCH

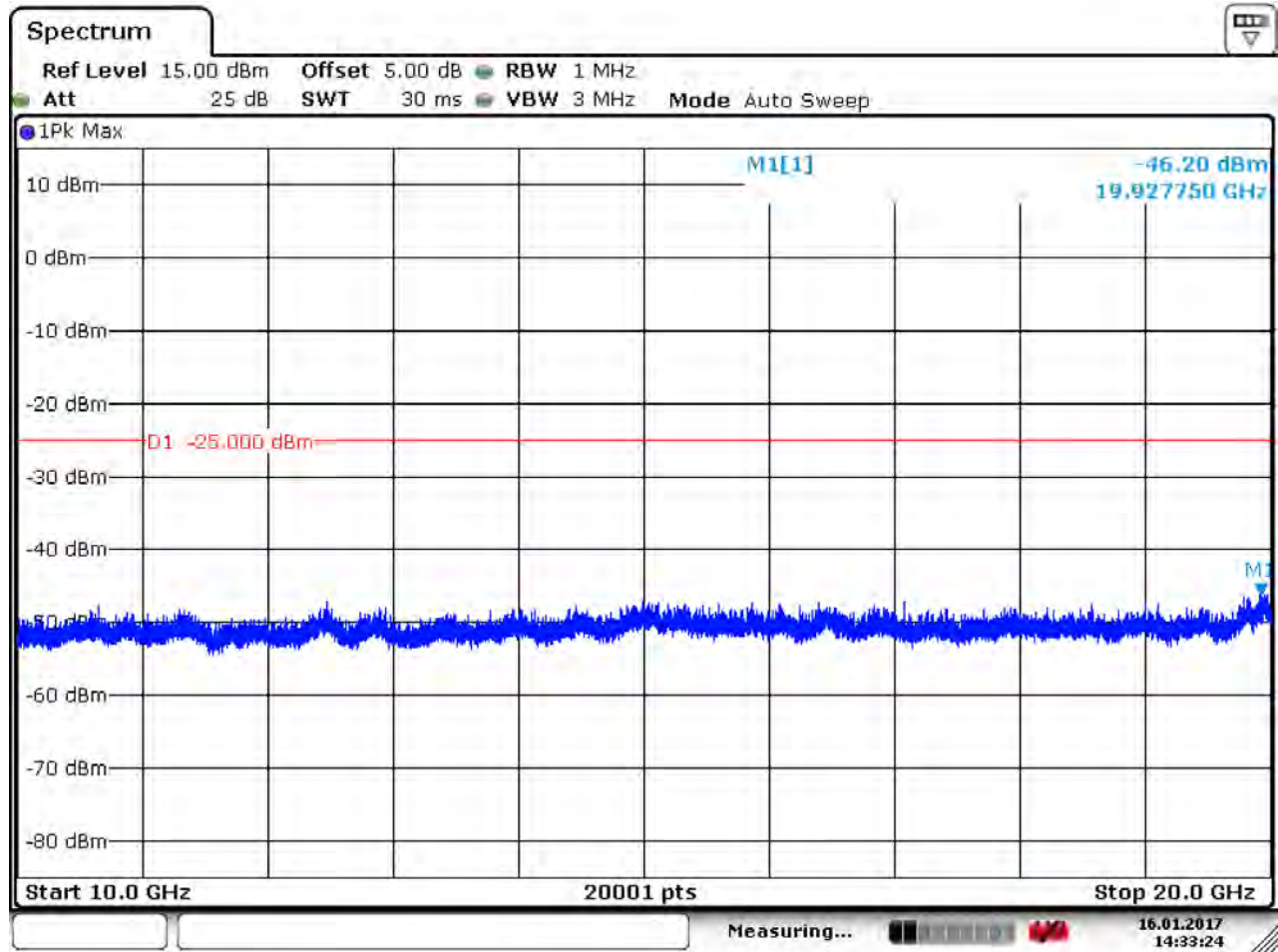


Date: 16.JAN.2017 14:06:34

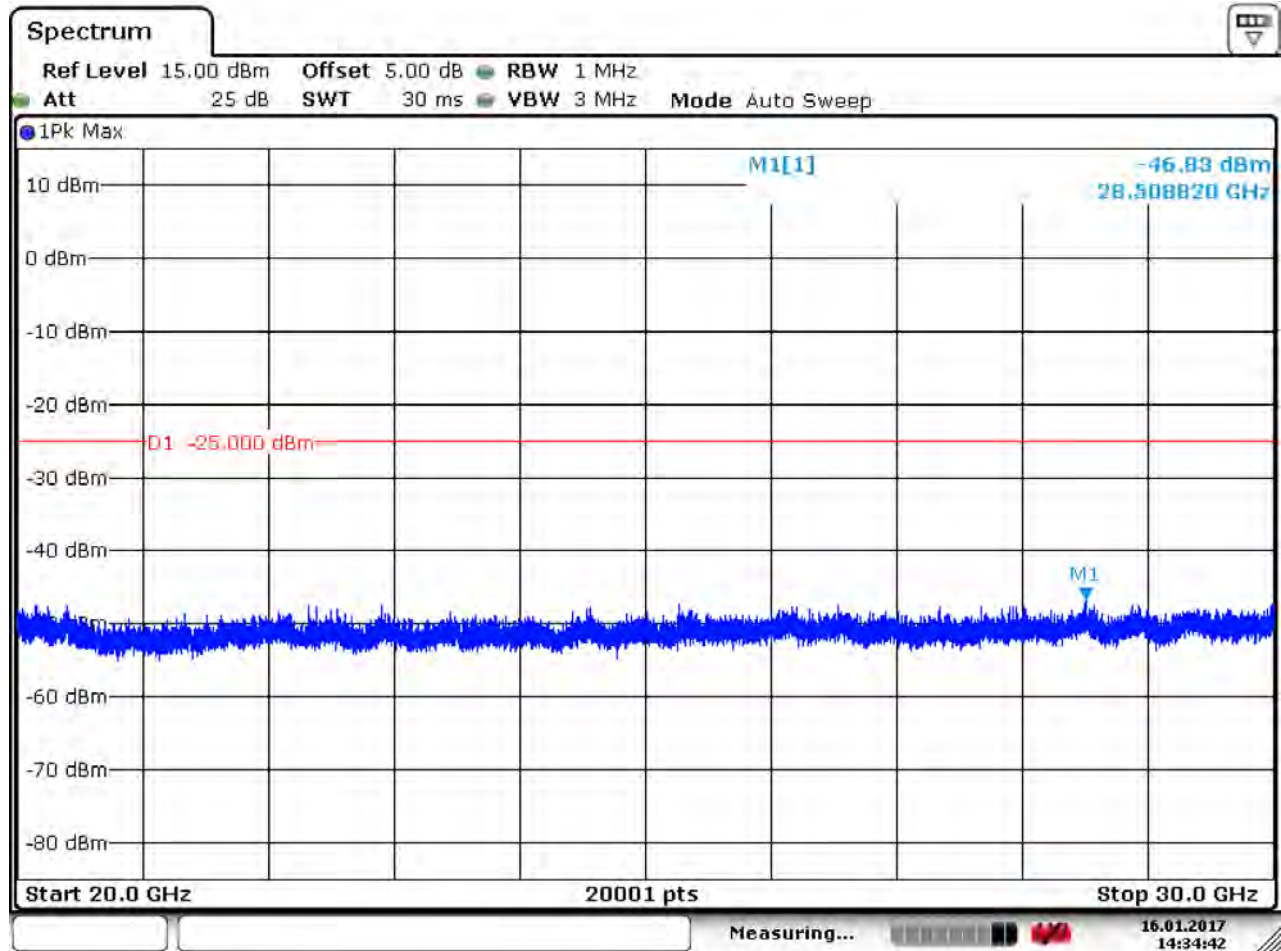




Date: 16.JAN.2017 14:13:43



Date: 16.JAN.2017 14:33:25



Date: 16.JAN.2017 14:34:42



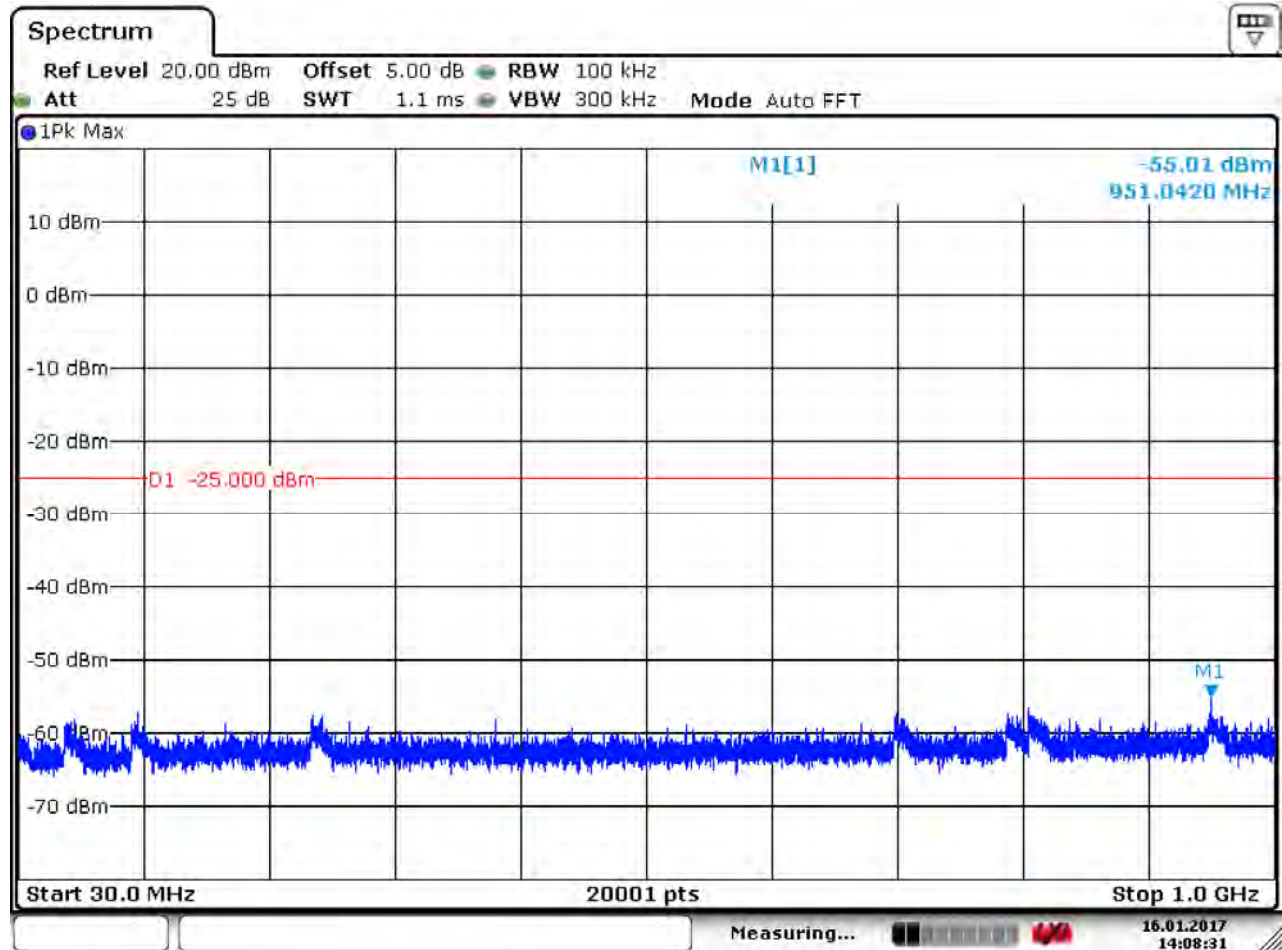
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Shenzhen Branch

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6.1.1.2 Test Mode = LTE / TM1 10MHz RB1#0

6.1.1.2.1 Test Channel = LCH



Date: 16.JAN.2017 14:08:32

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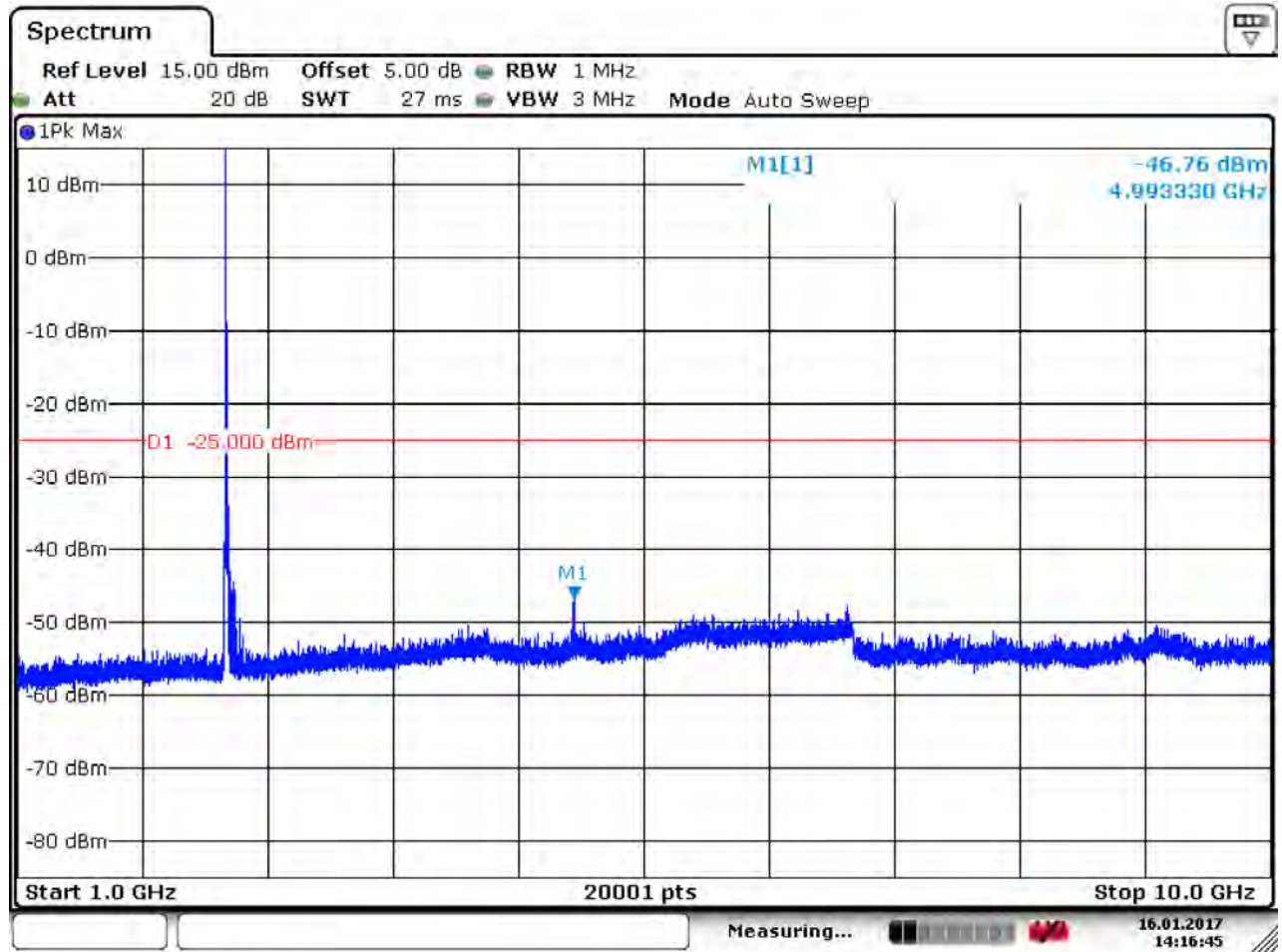




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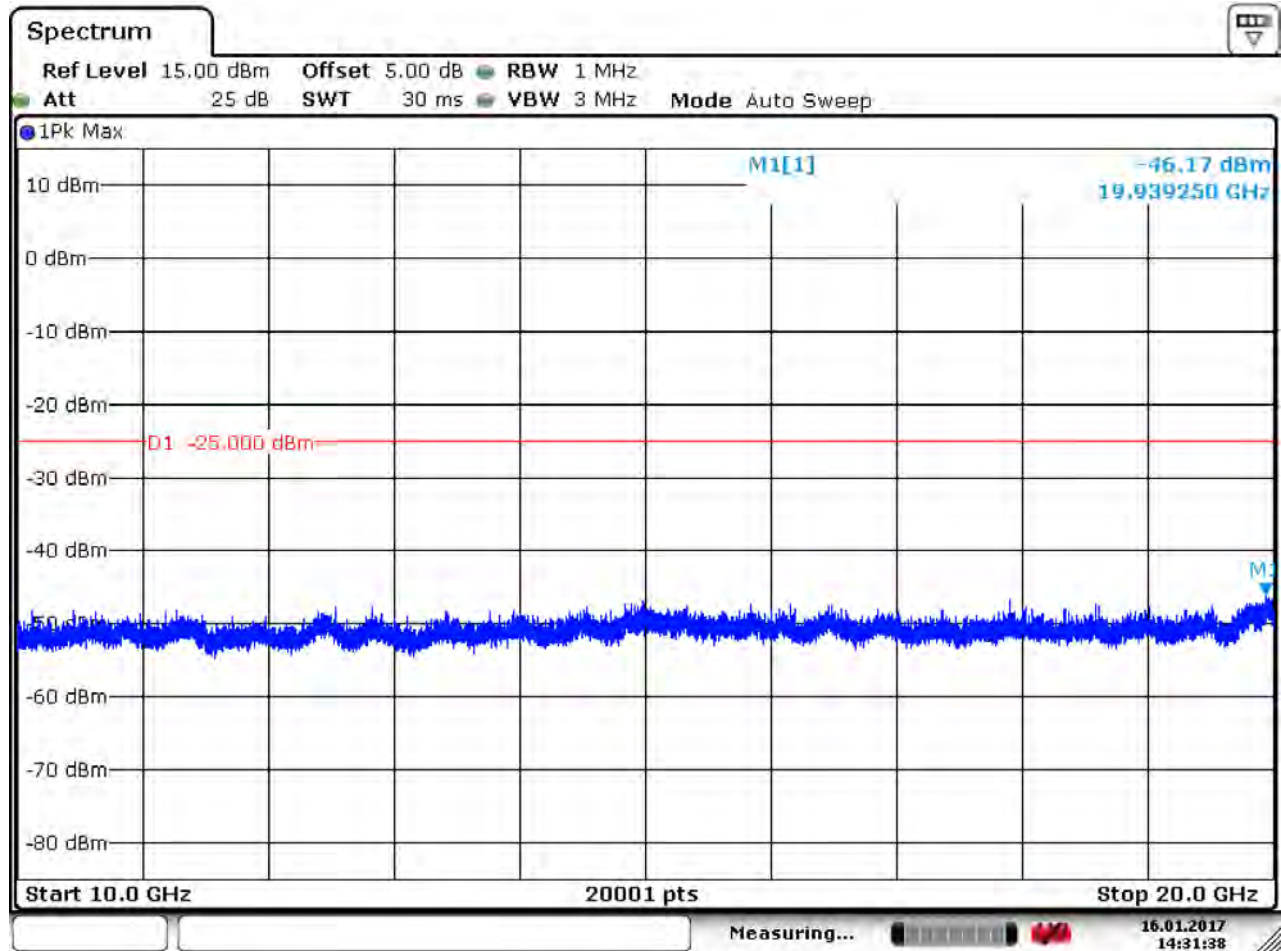
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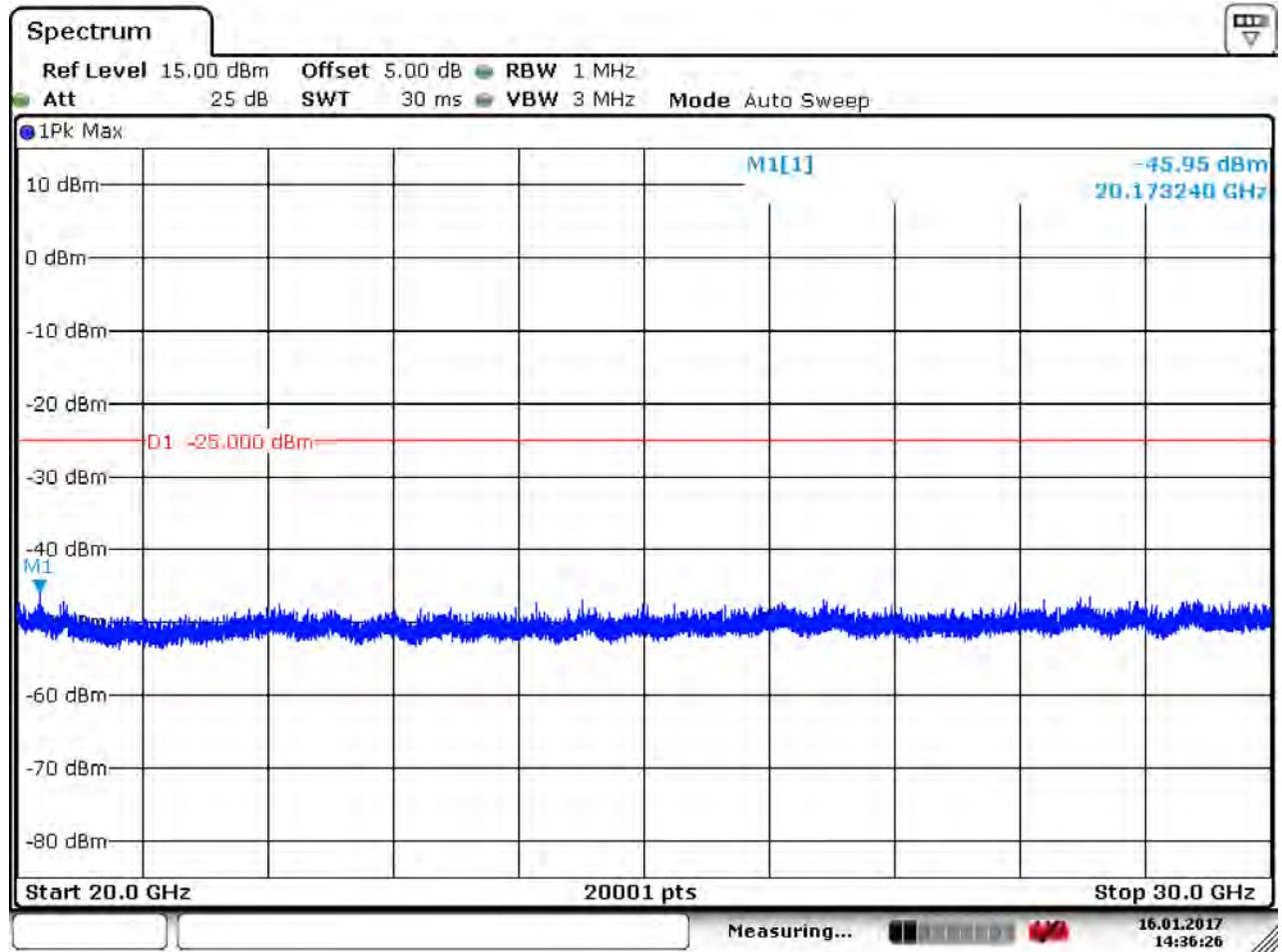
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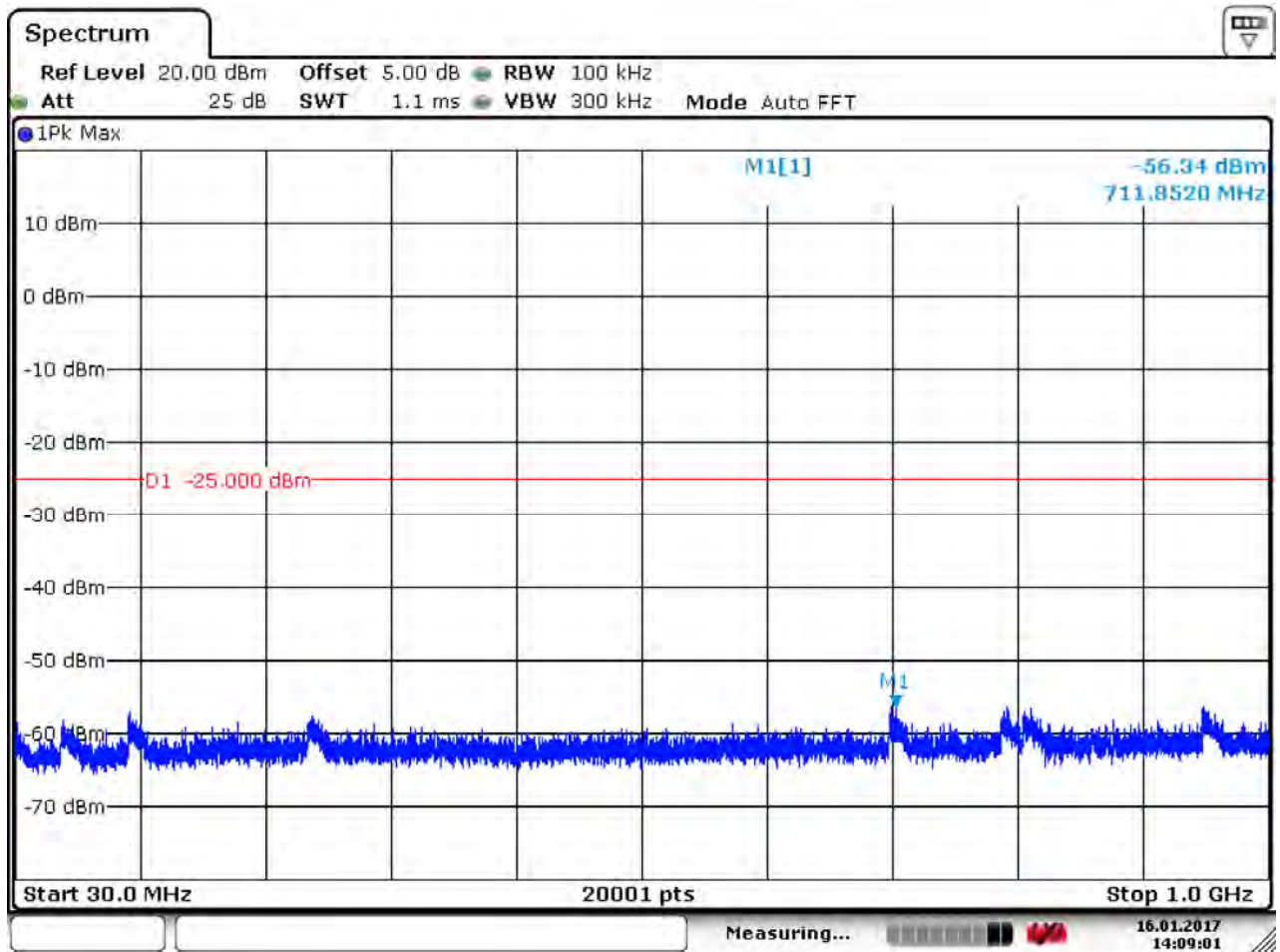
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Date: 16.JAN.2017 14:36:27

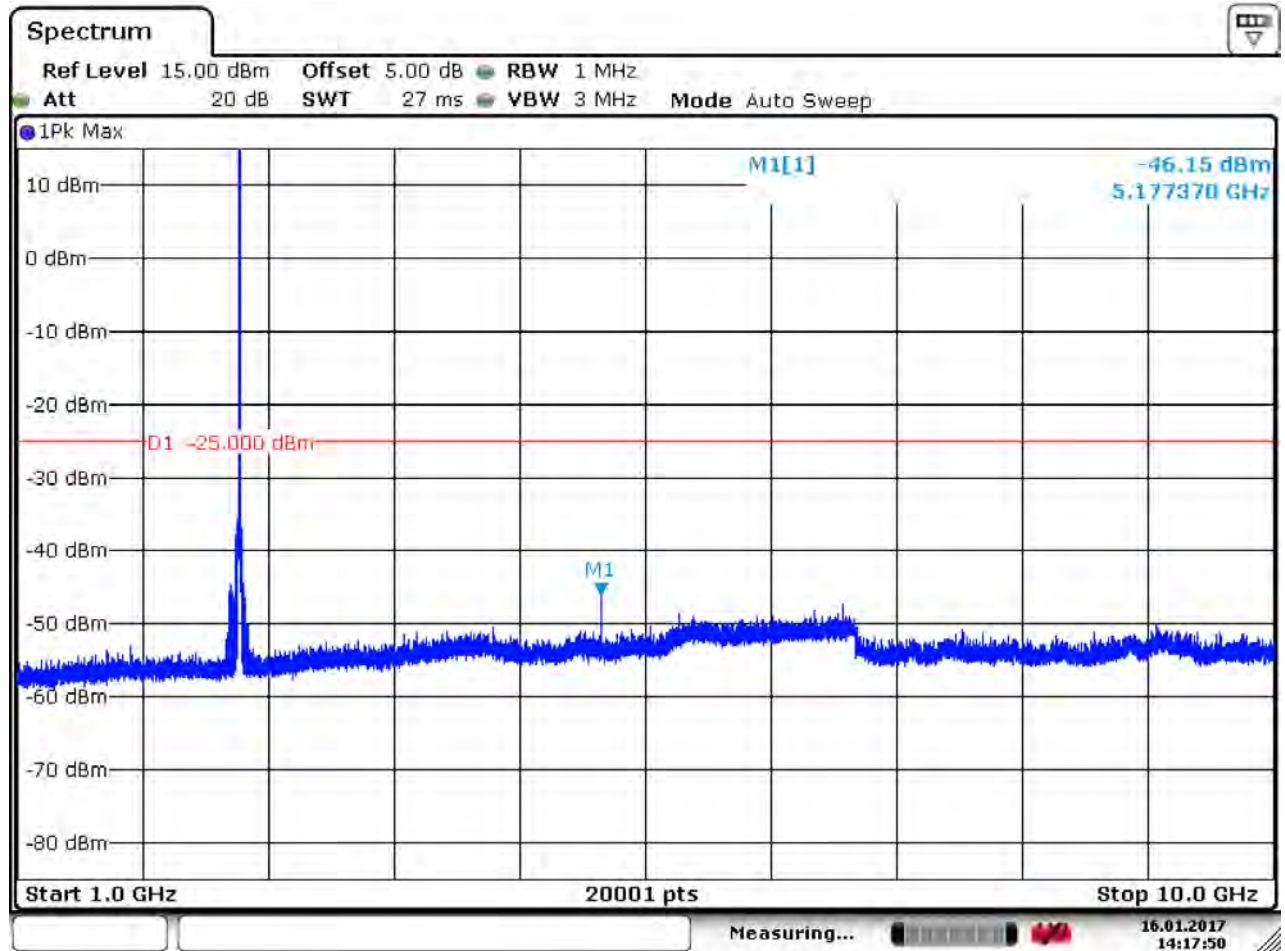


6.1.1.2.2 Test Channel = MCH

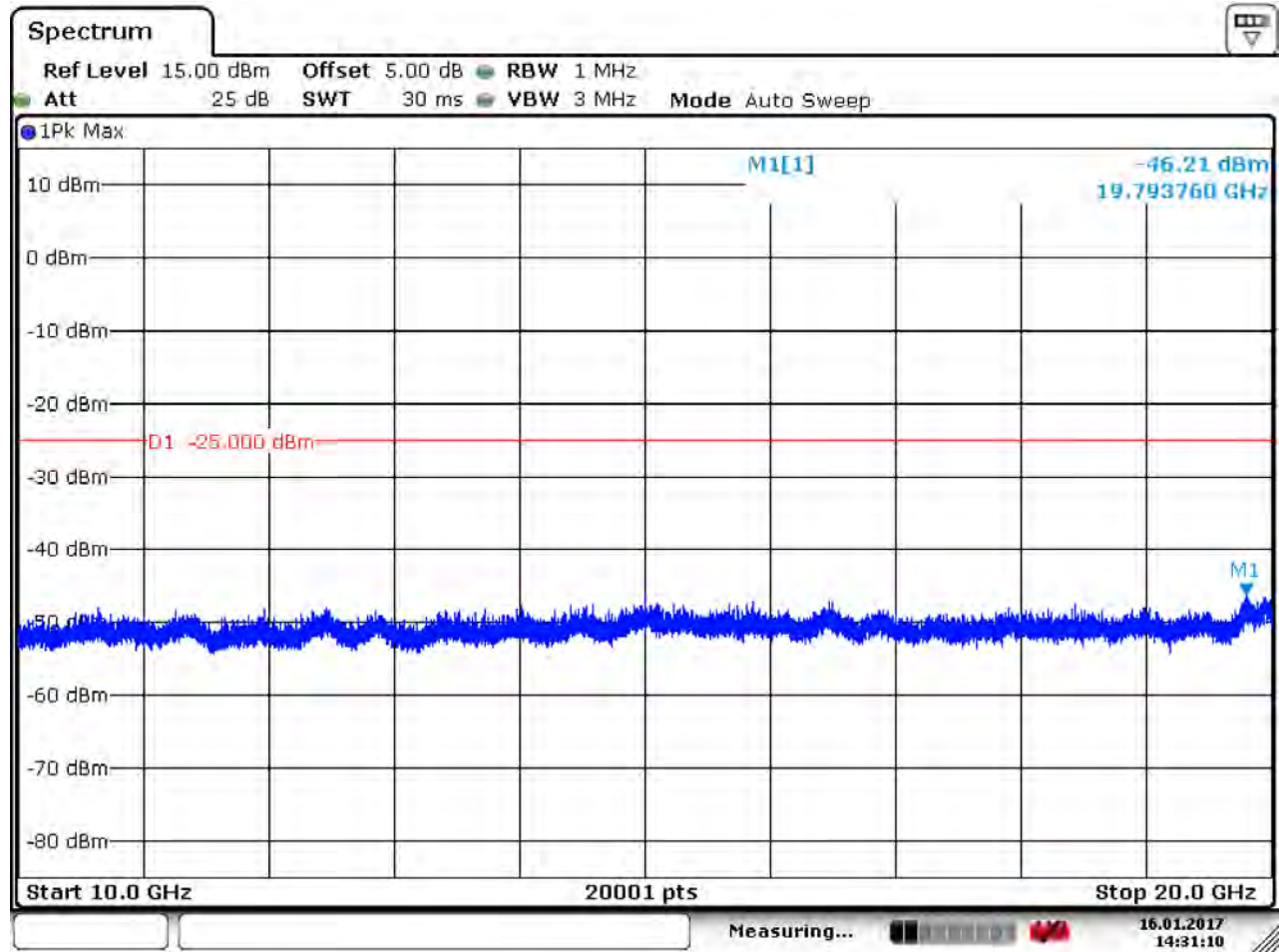


Date: 16.JAN.2017 14:09:01





Date: 16.JAN.2017 14:17:51



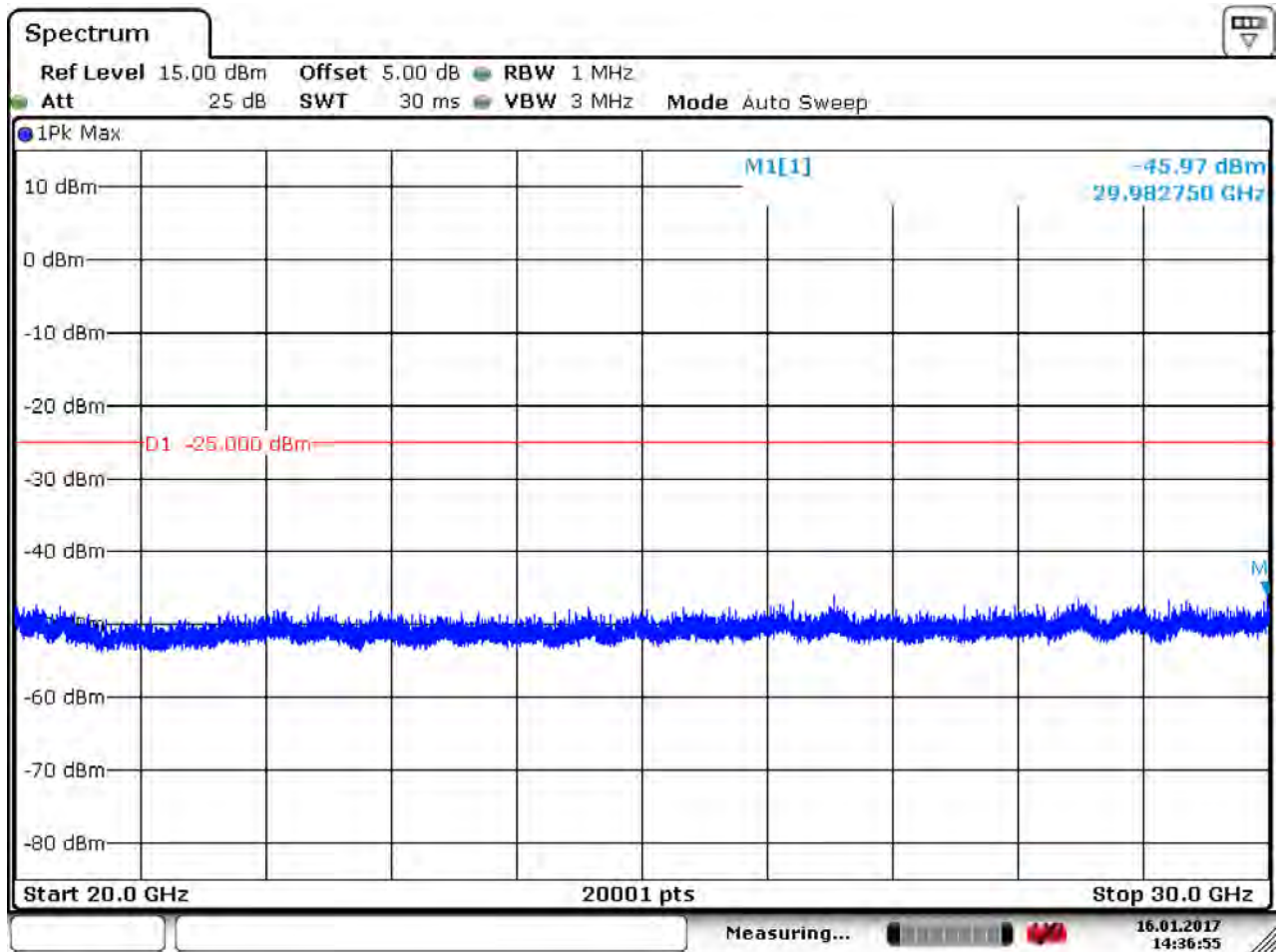
Date: 16.JAN.2017 14:31:11



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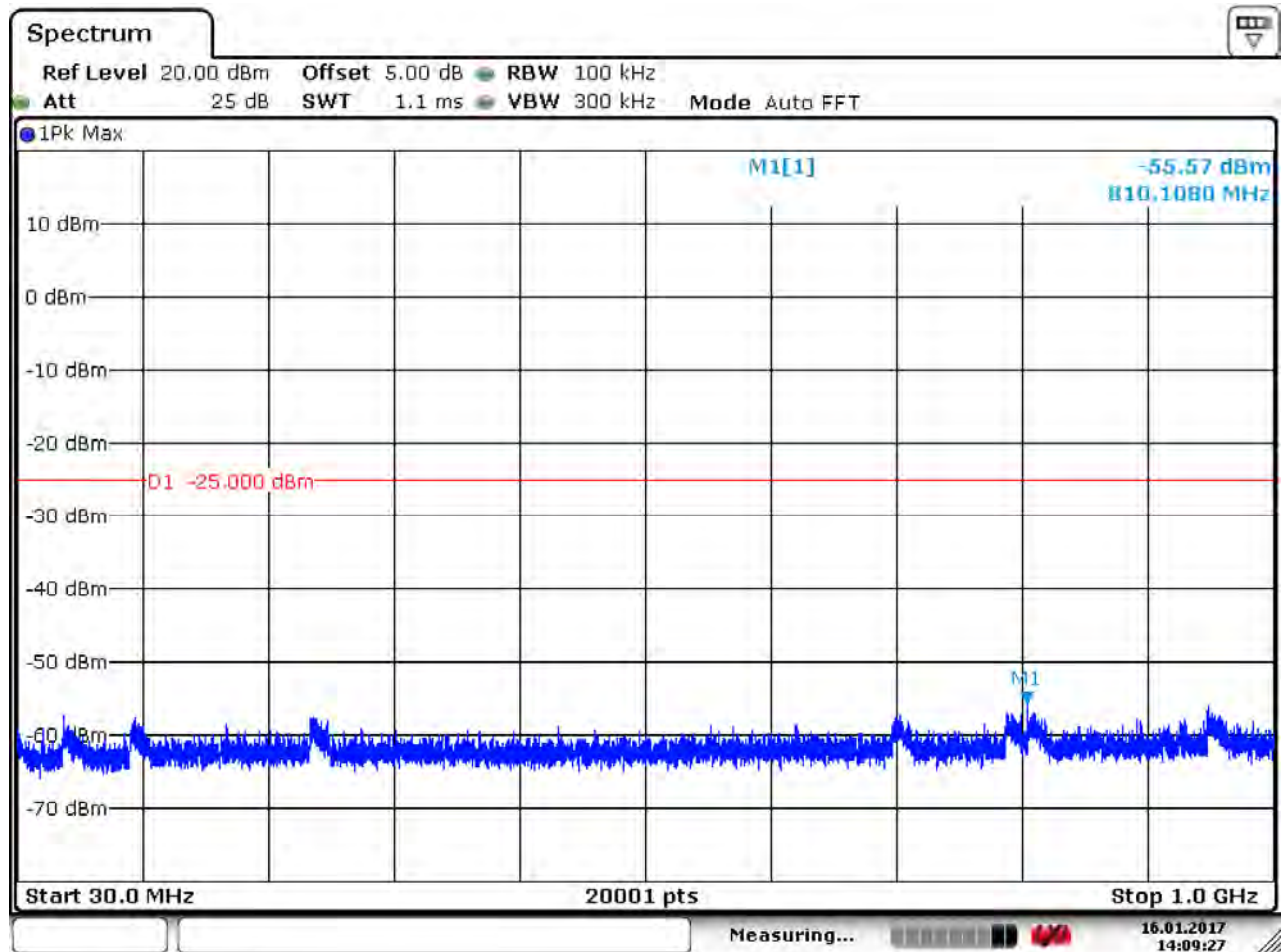


Date: 16.JAN.2017 14:36:55

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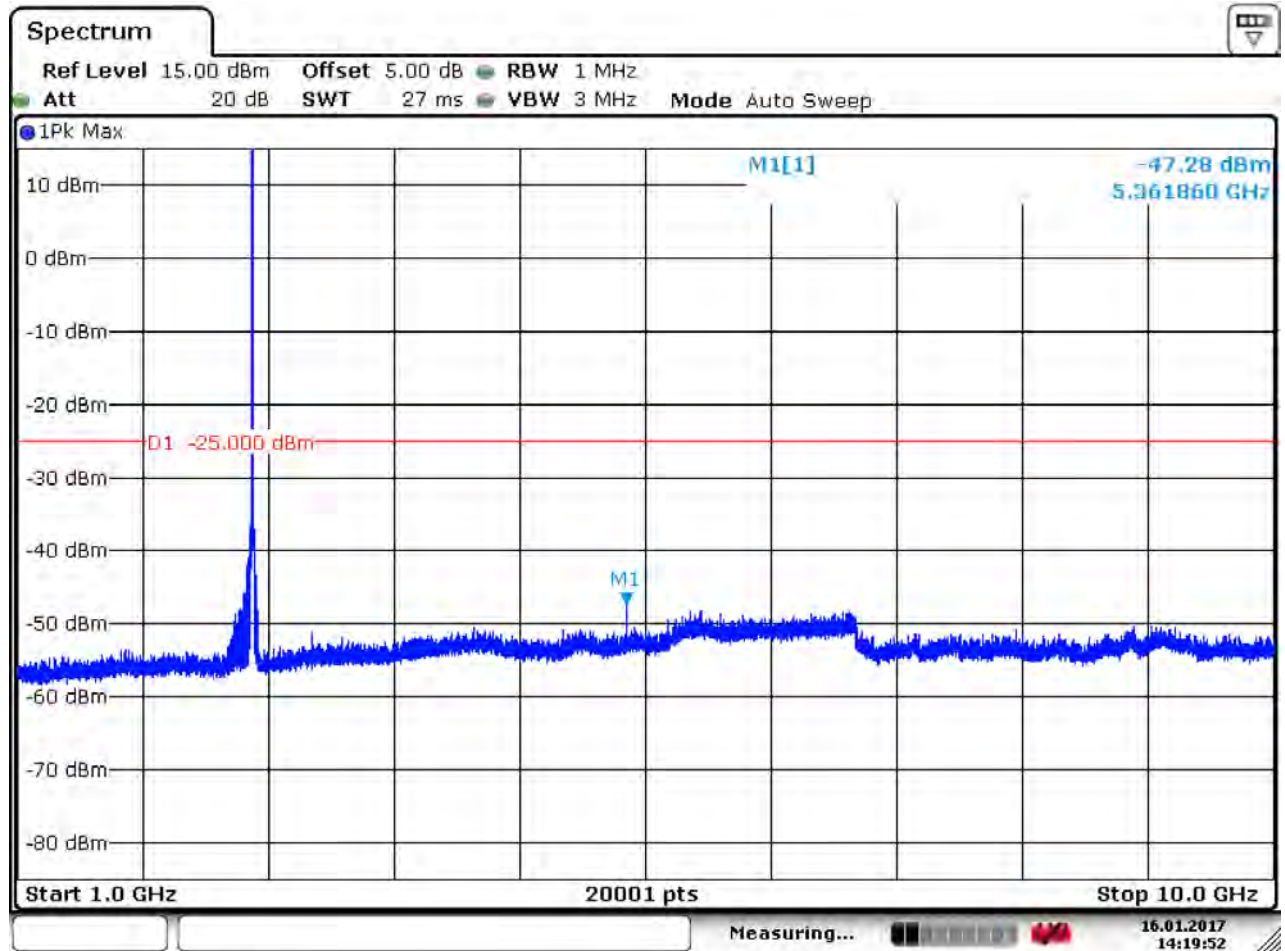


6.1.1.2.3 Test Channel = HCH

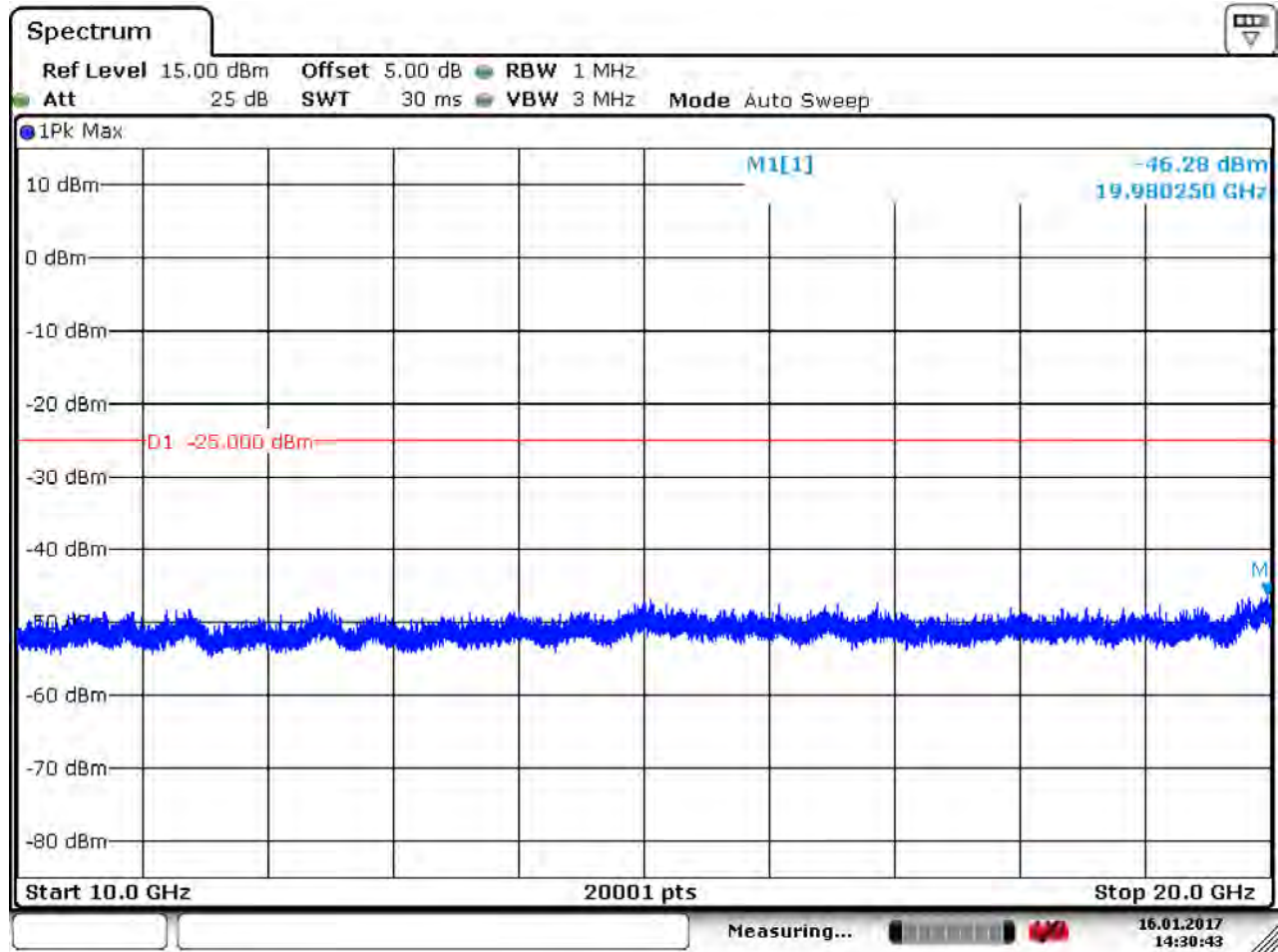


Date: 16.JAN.2017 14:09:28

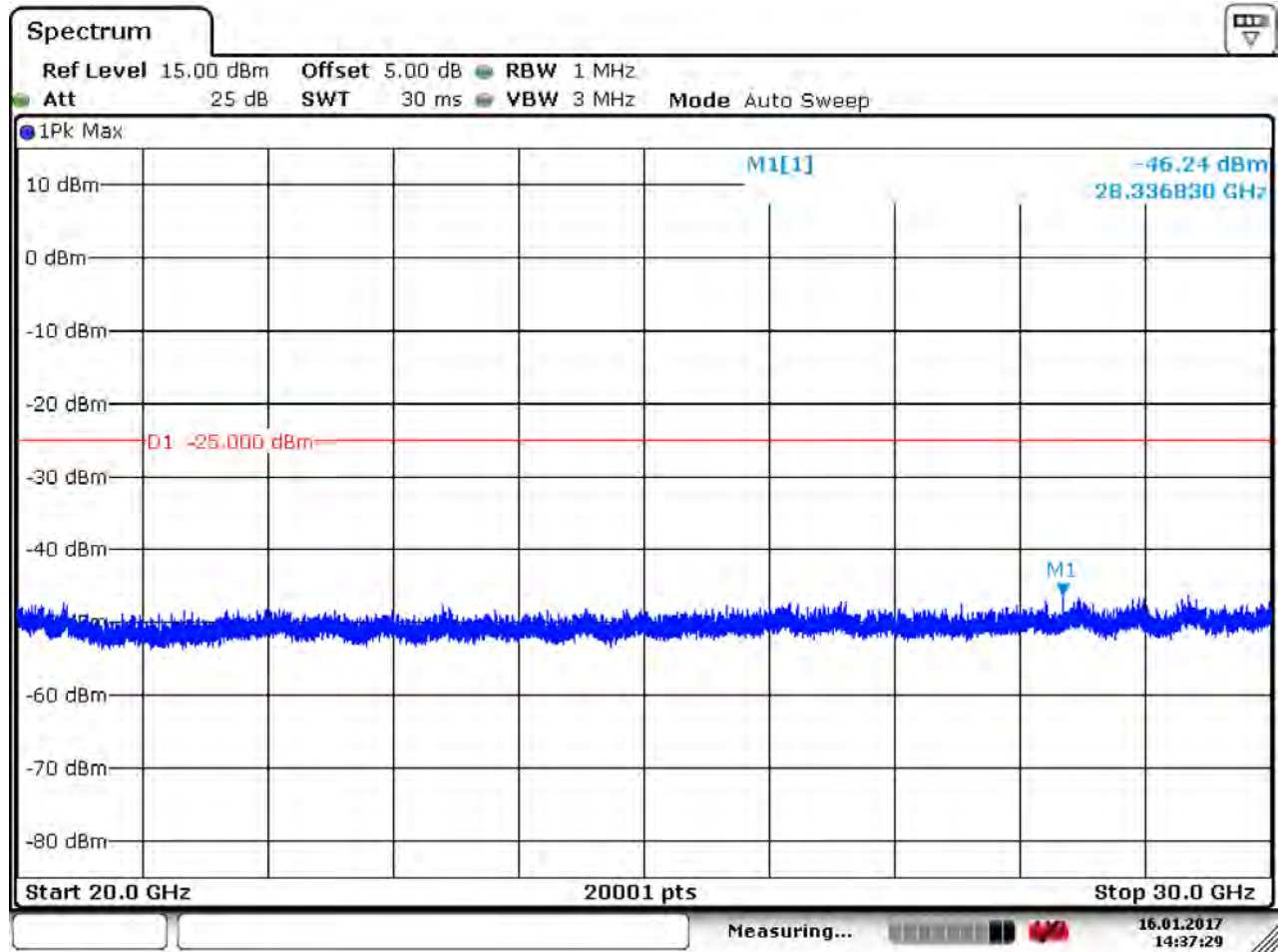




Date: 16.JAN.2017 14:19:52



Date: 16.JAN.2017 14:30:43

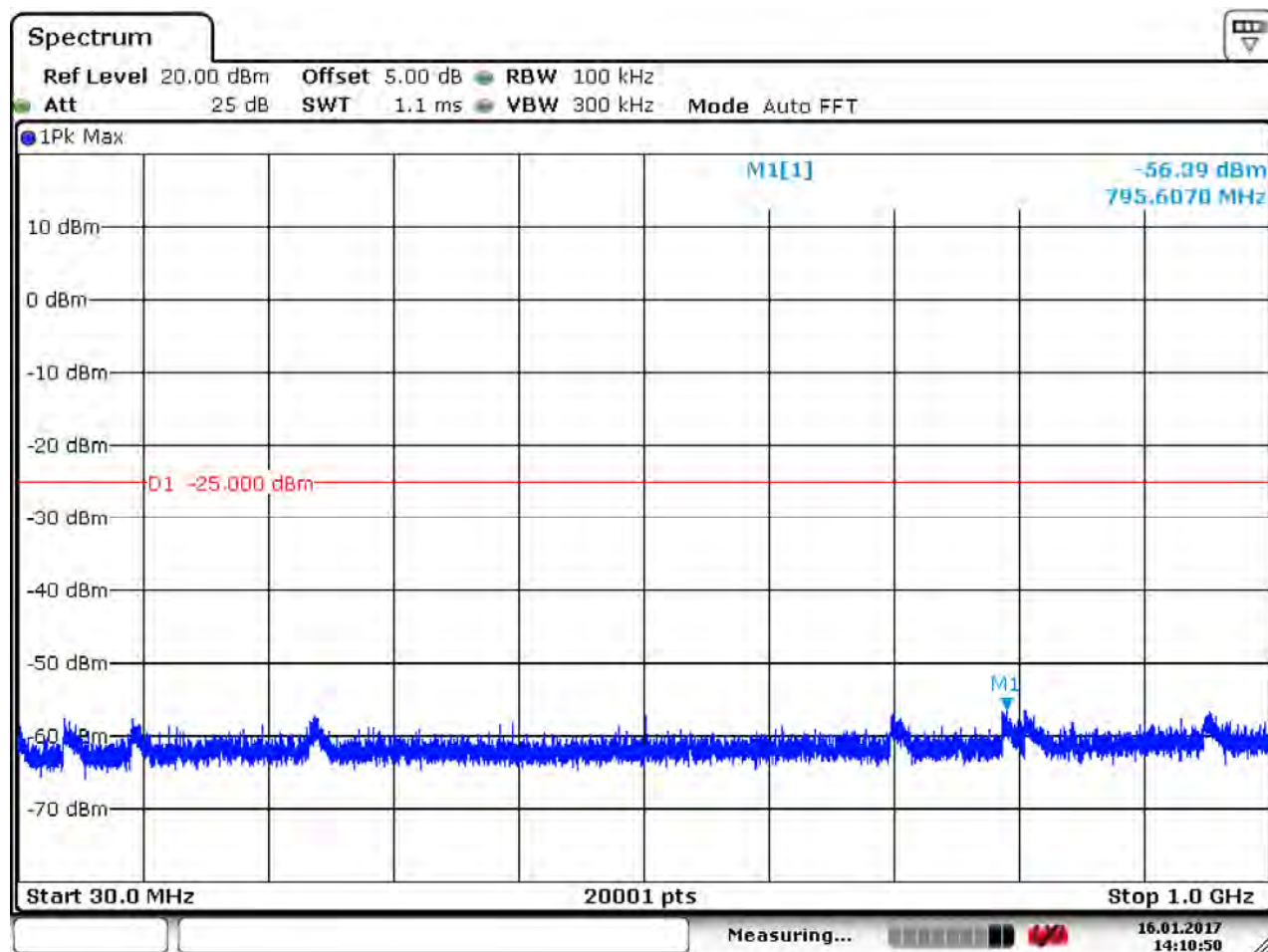


Date: 16.JAN.2017 14:37:29



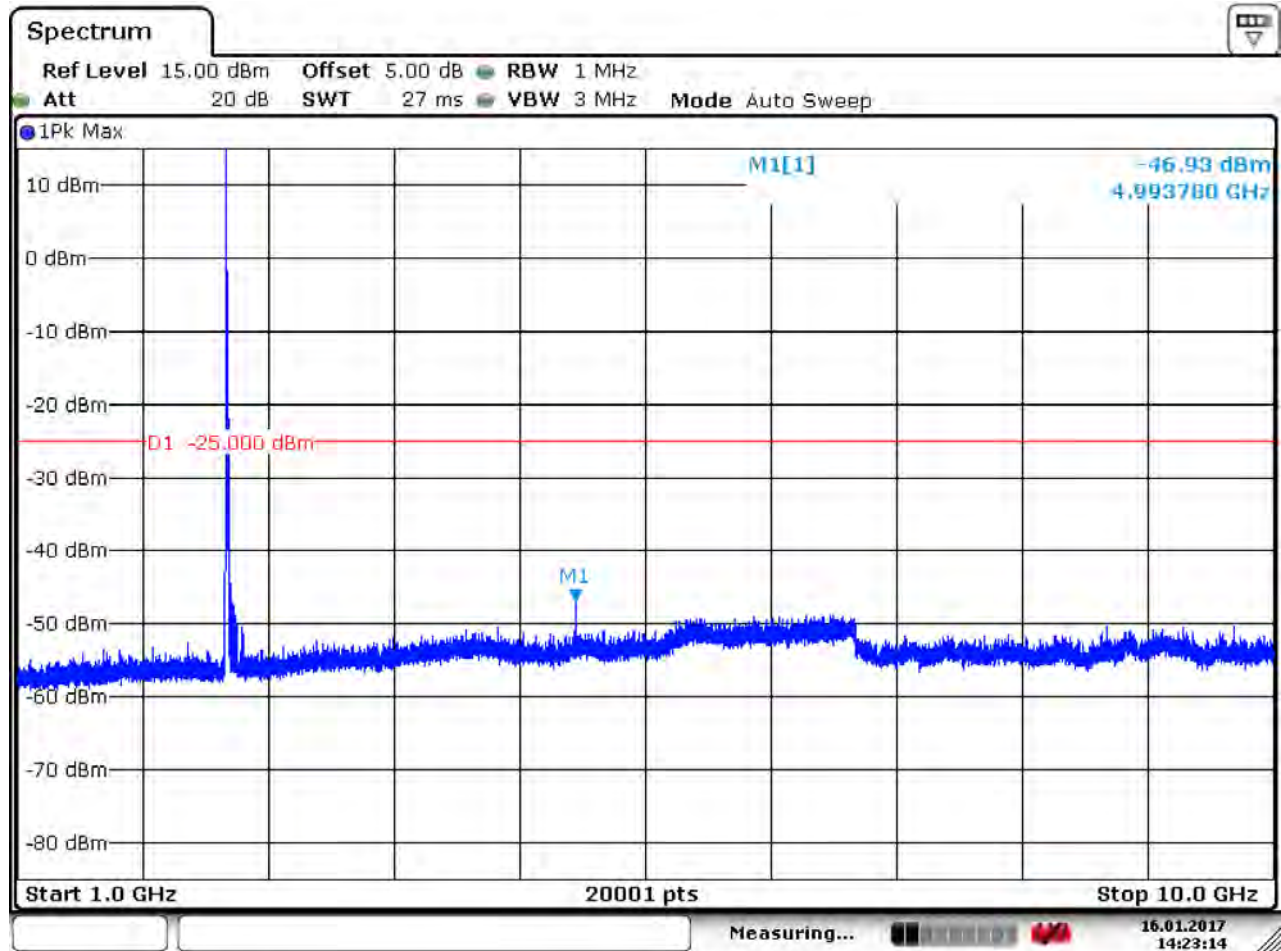
6.1.1.3 Test Mode = LTE / TM1 15MHz RB1#0

6.1.1.3.1 Test Channel = LCH

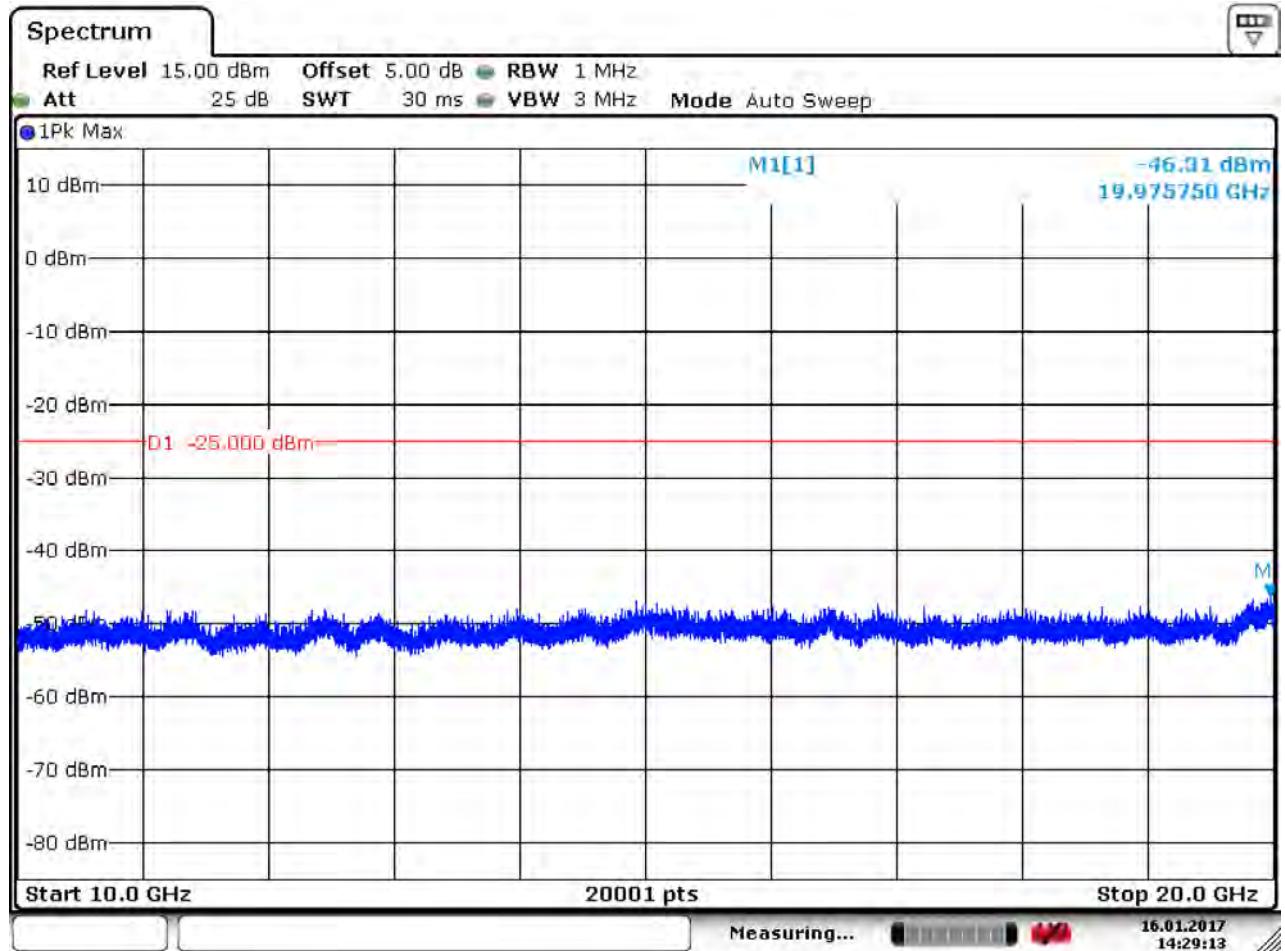


Date: 16.JAN.2017 14:10:51

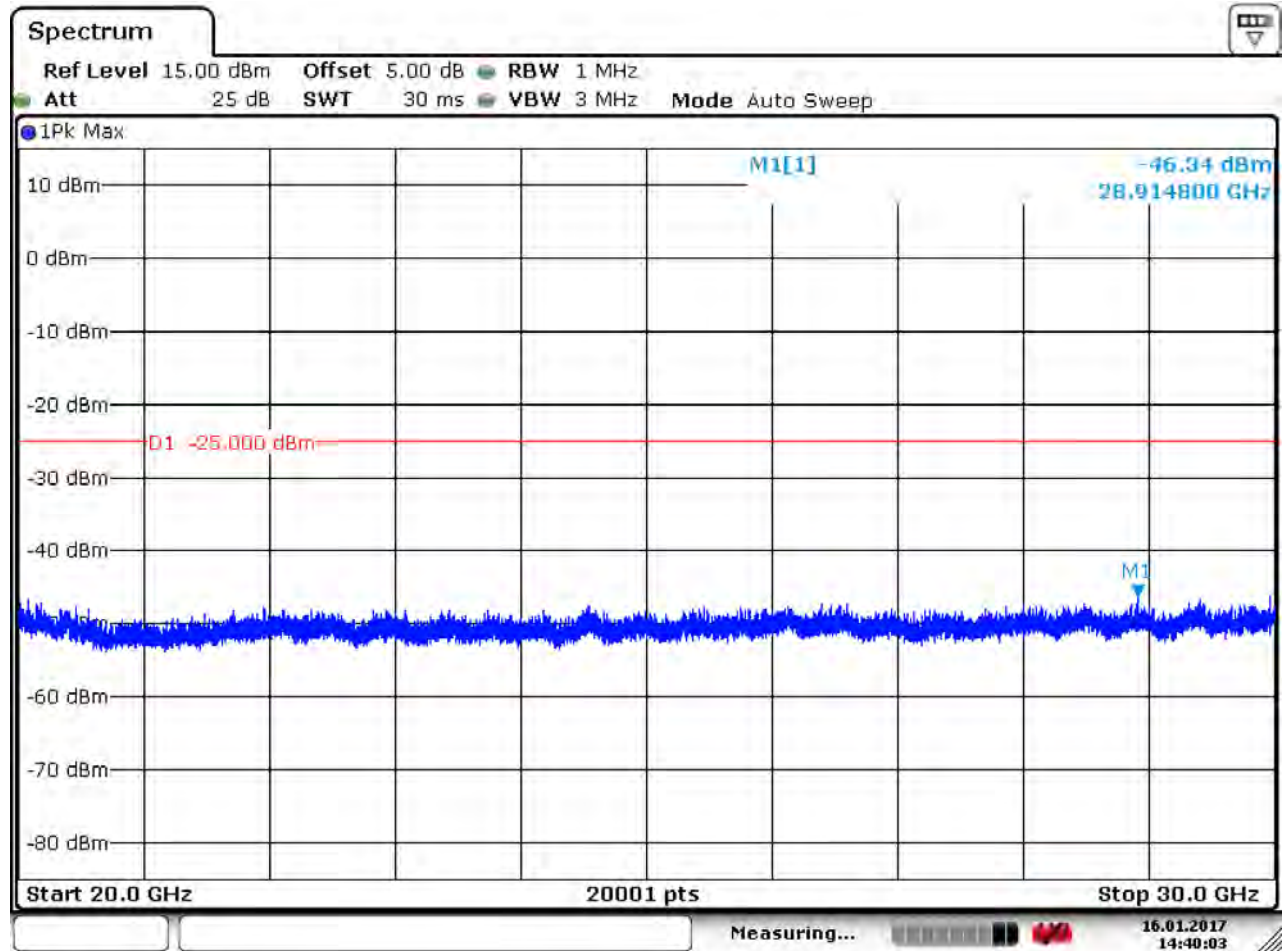




Date: 16.JAN.2017 14:23:15



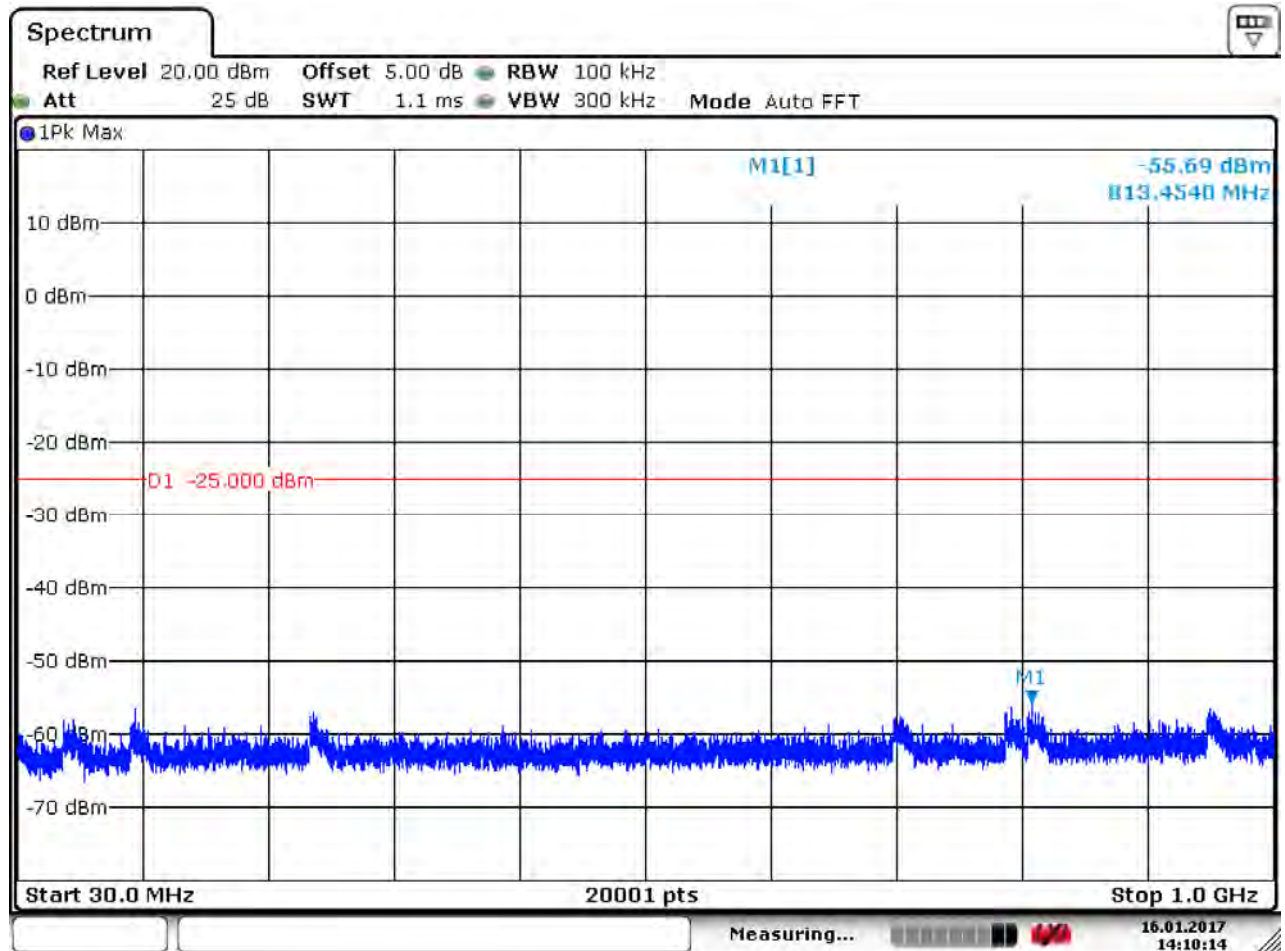
Date: 16.JAN.2017 14:29:14



Date: 16.JAN.2017 14:40:04

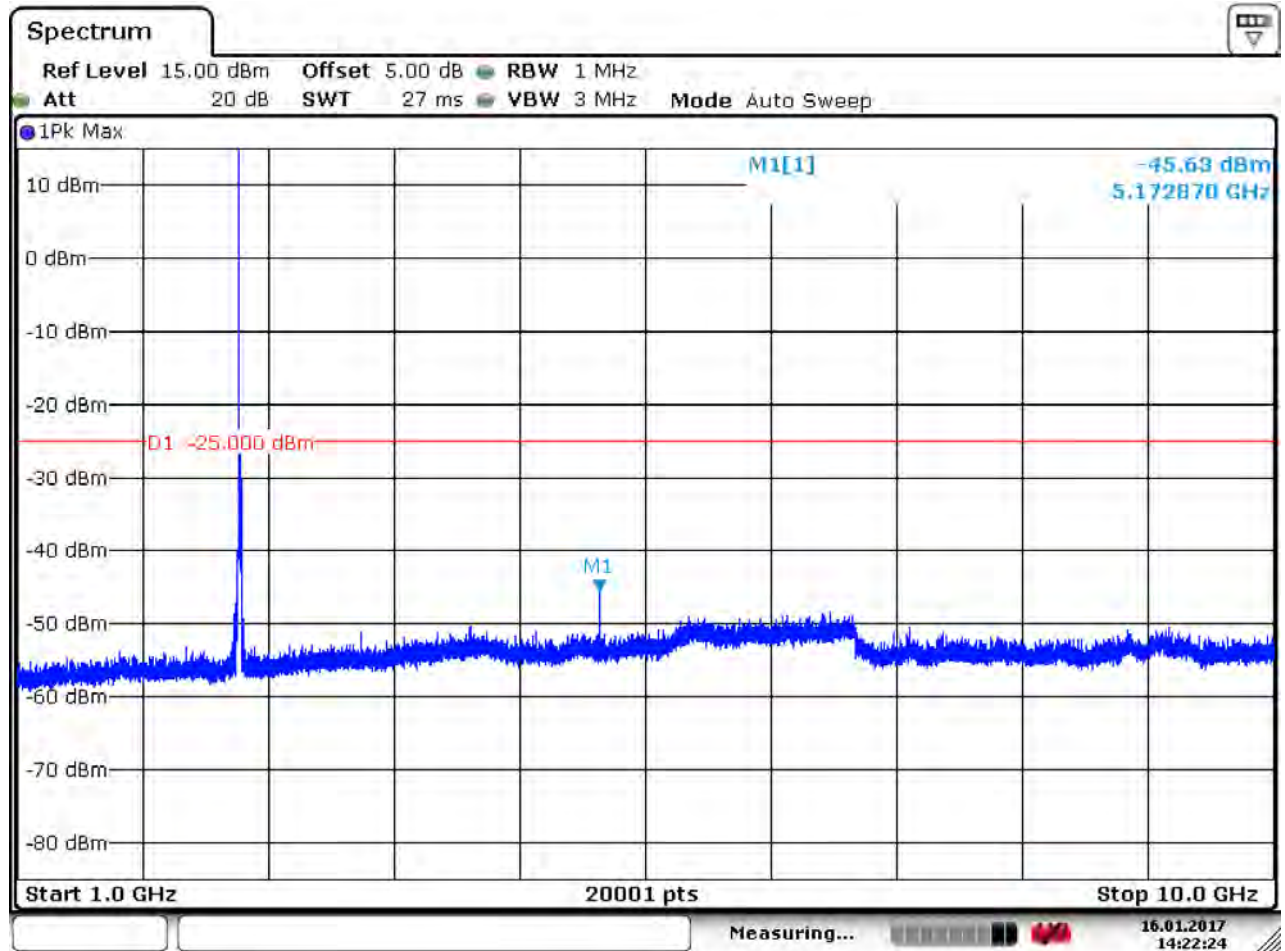


6.1.1.3.2 Test Channel = MCH

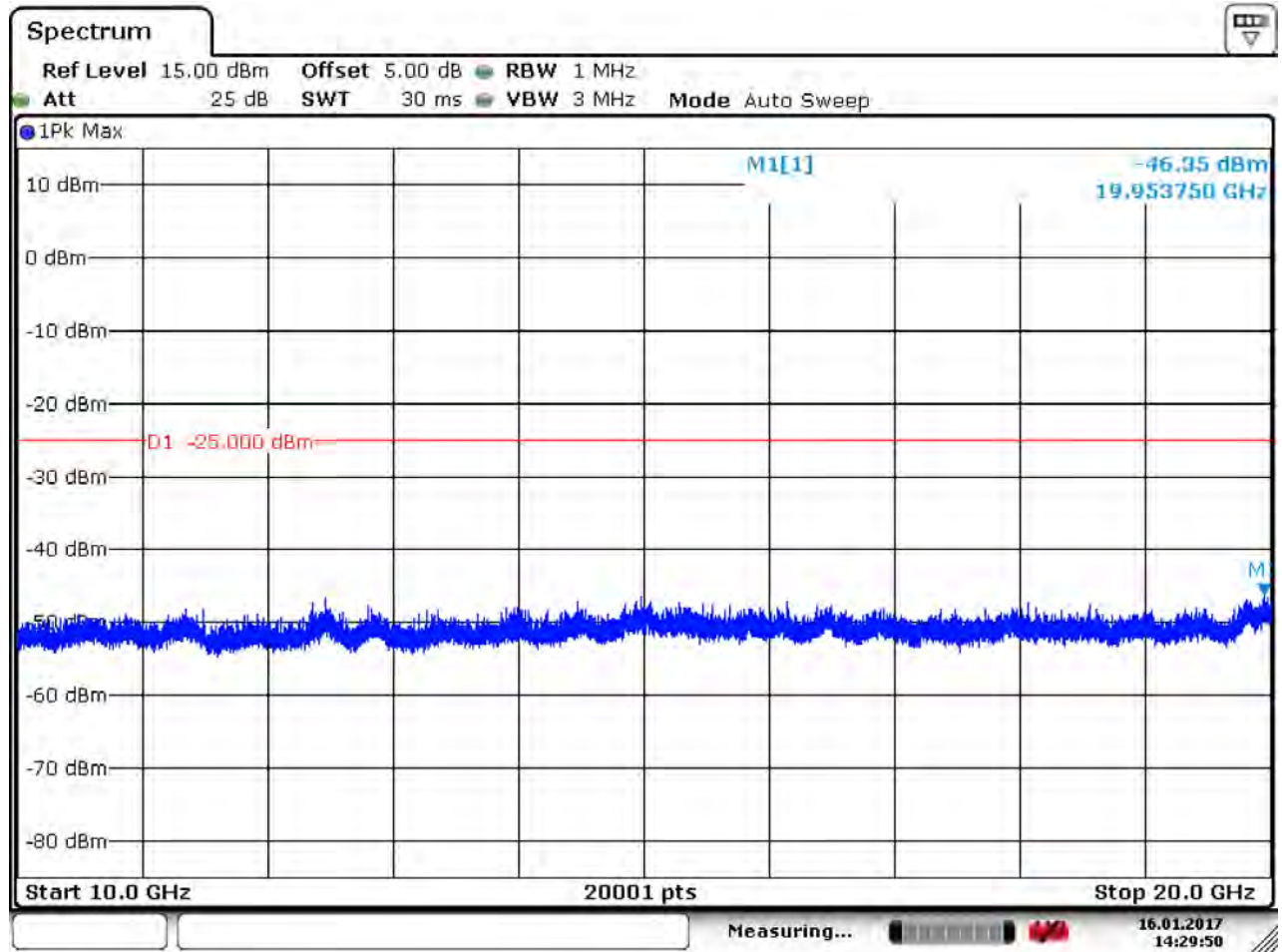


Date: 16.JAN.2017 14:10:14





Date: 16.JAN.2017 14:22:24



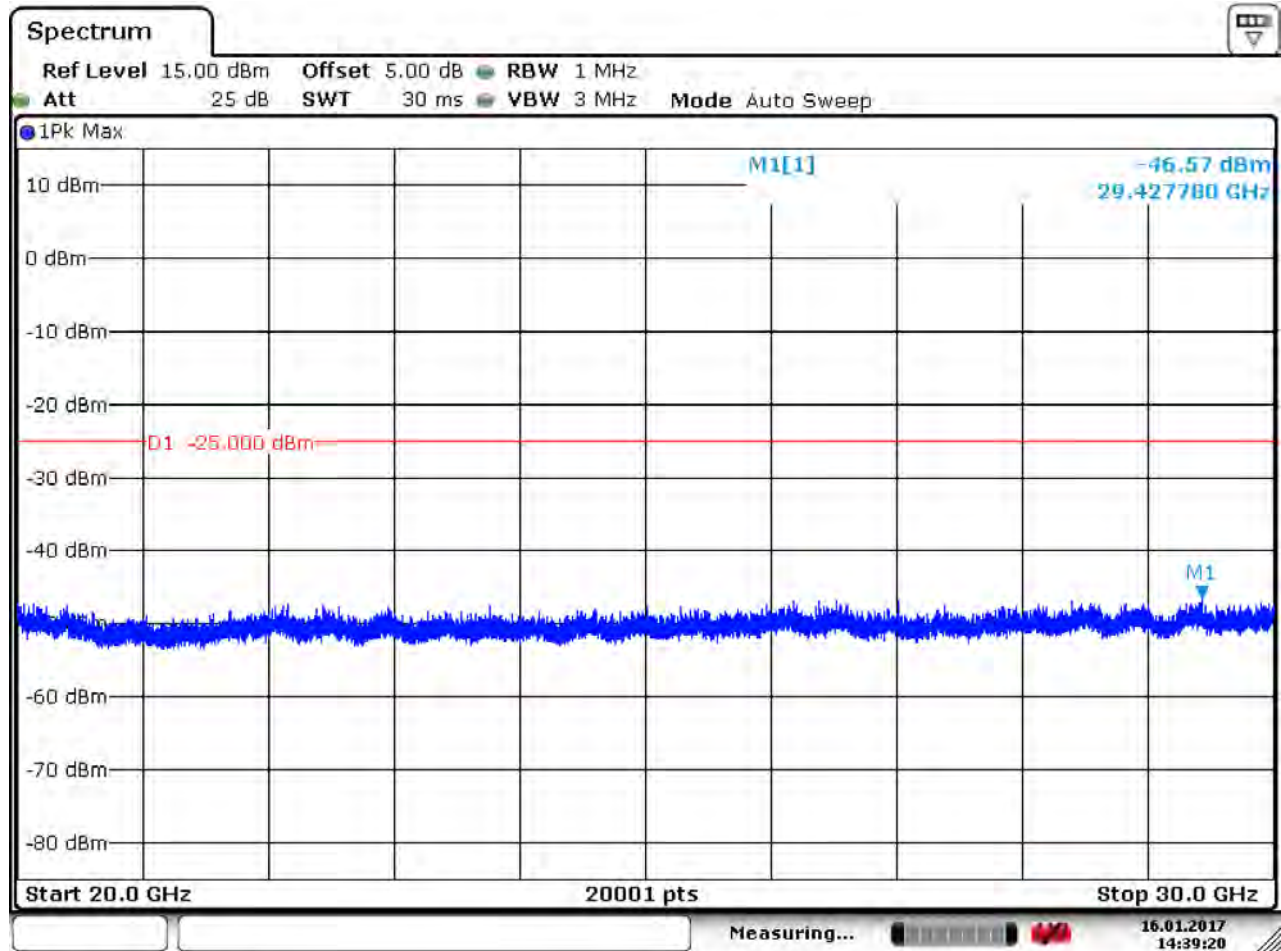
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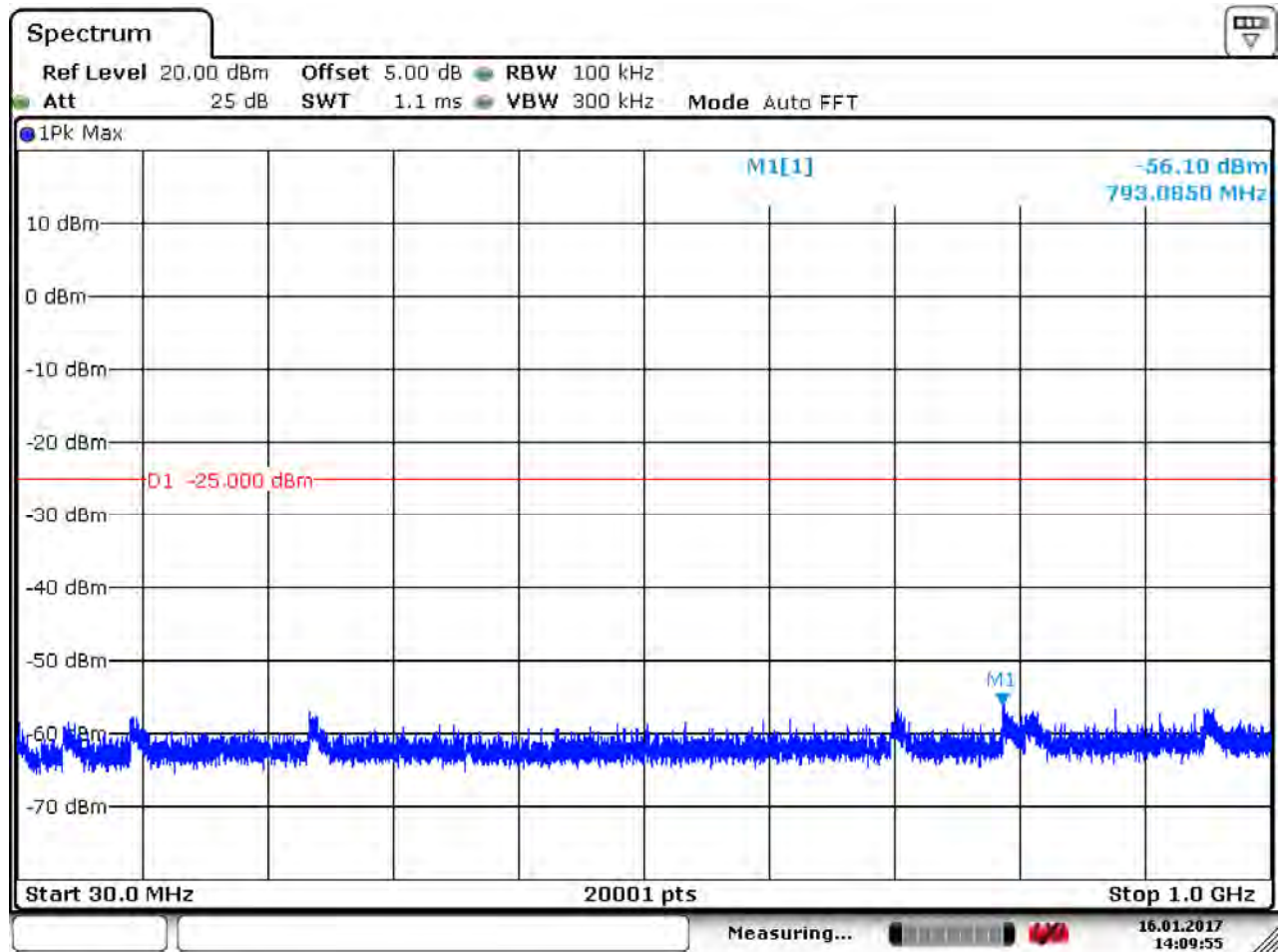


Date: 16.JAN.2017 14:39:20

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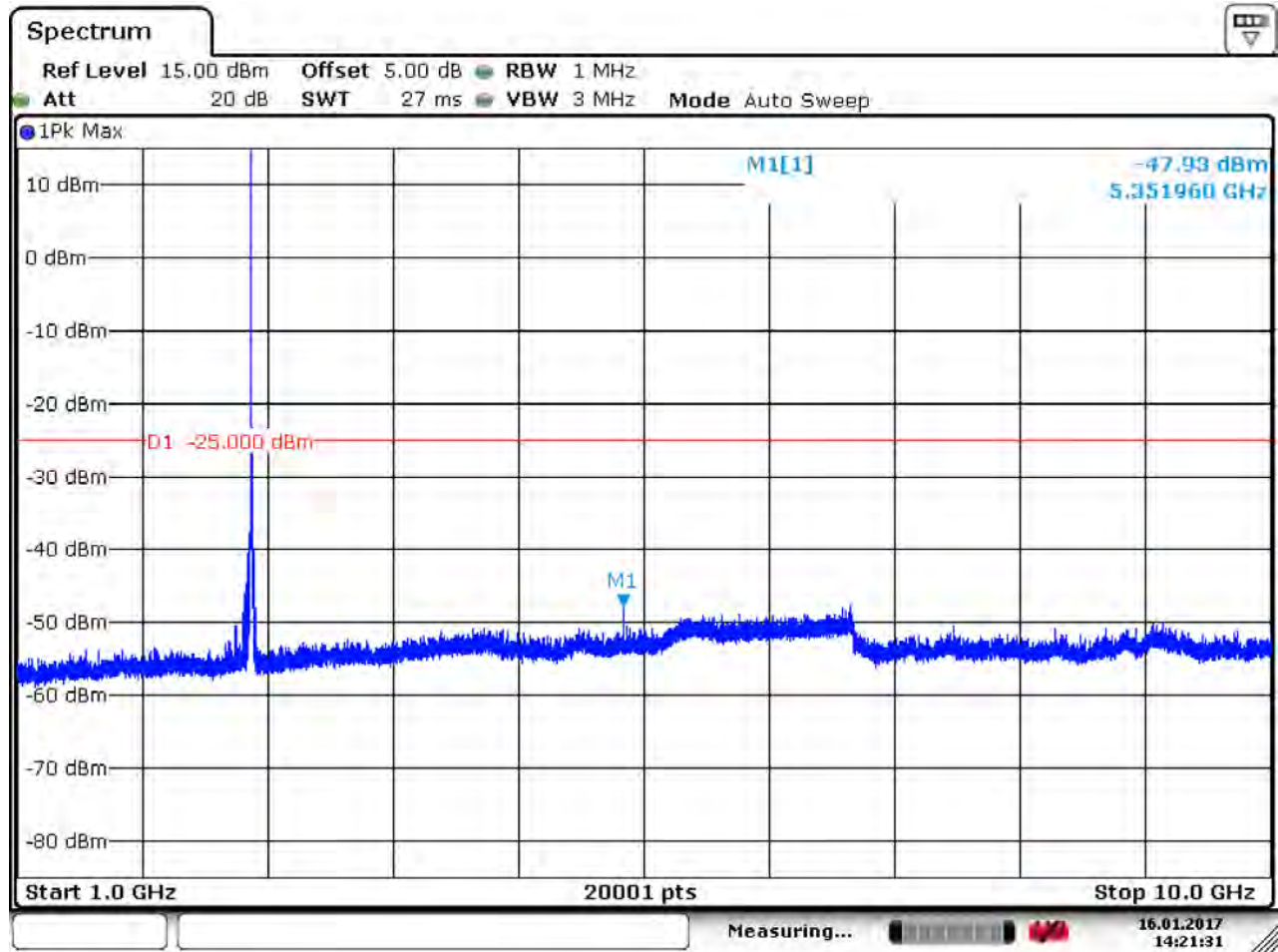


6.1.1.3.3 Test Channel = HCH



Date: 16.JAN.2017 14:09:55





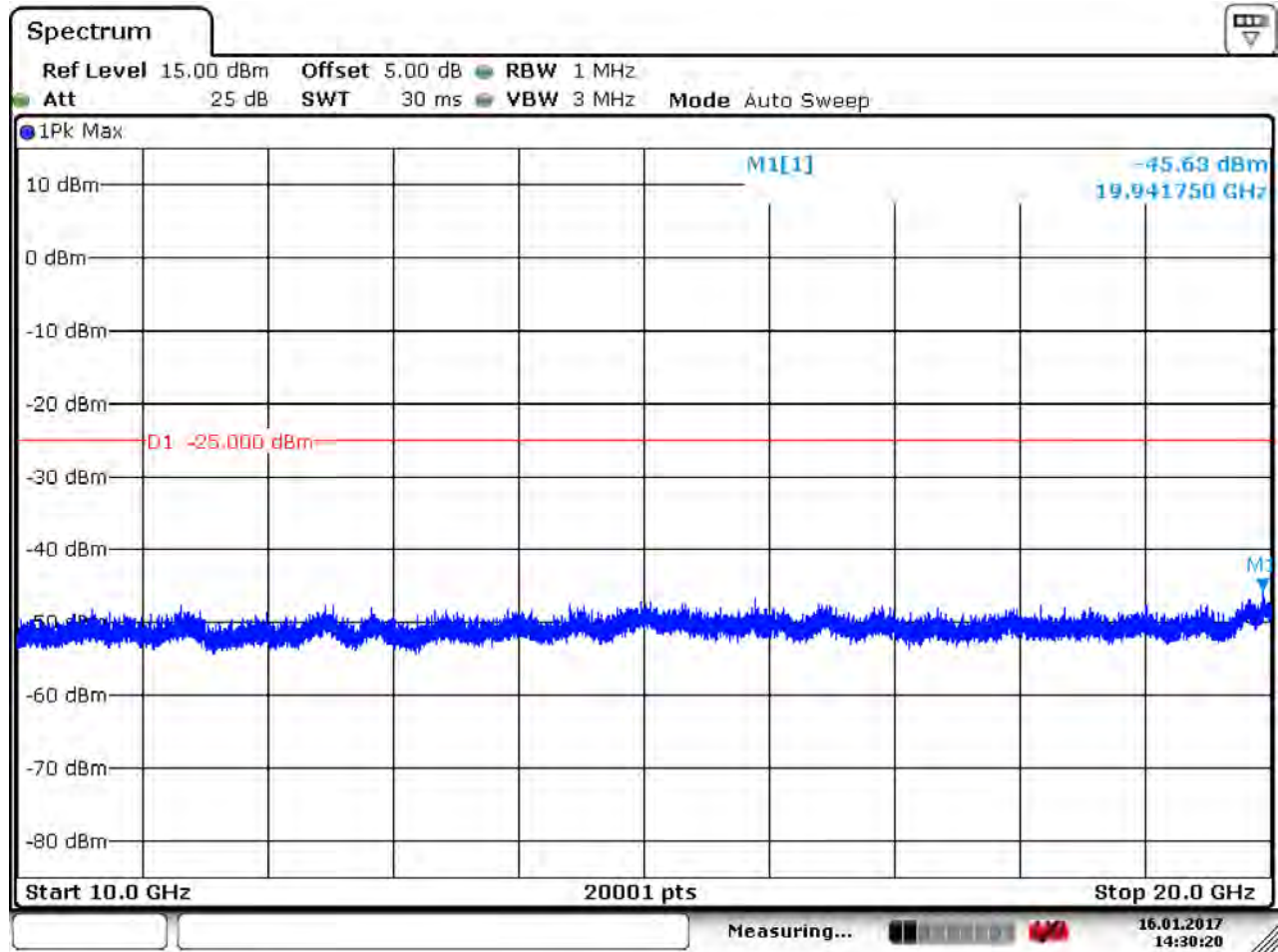
Date: 16.JAN.2017 14:21:31



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Date: 16.JAN.2017 14:30:20

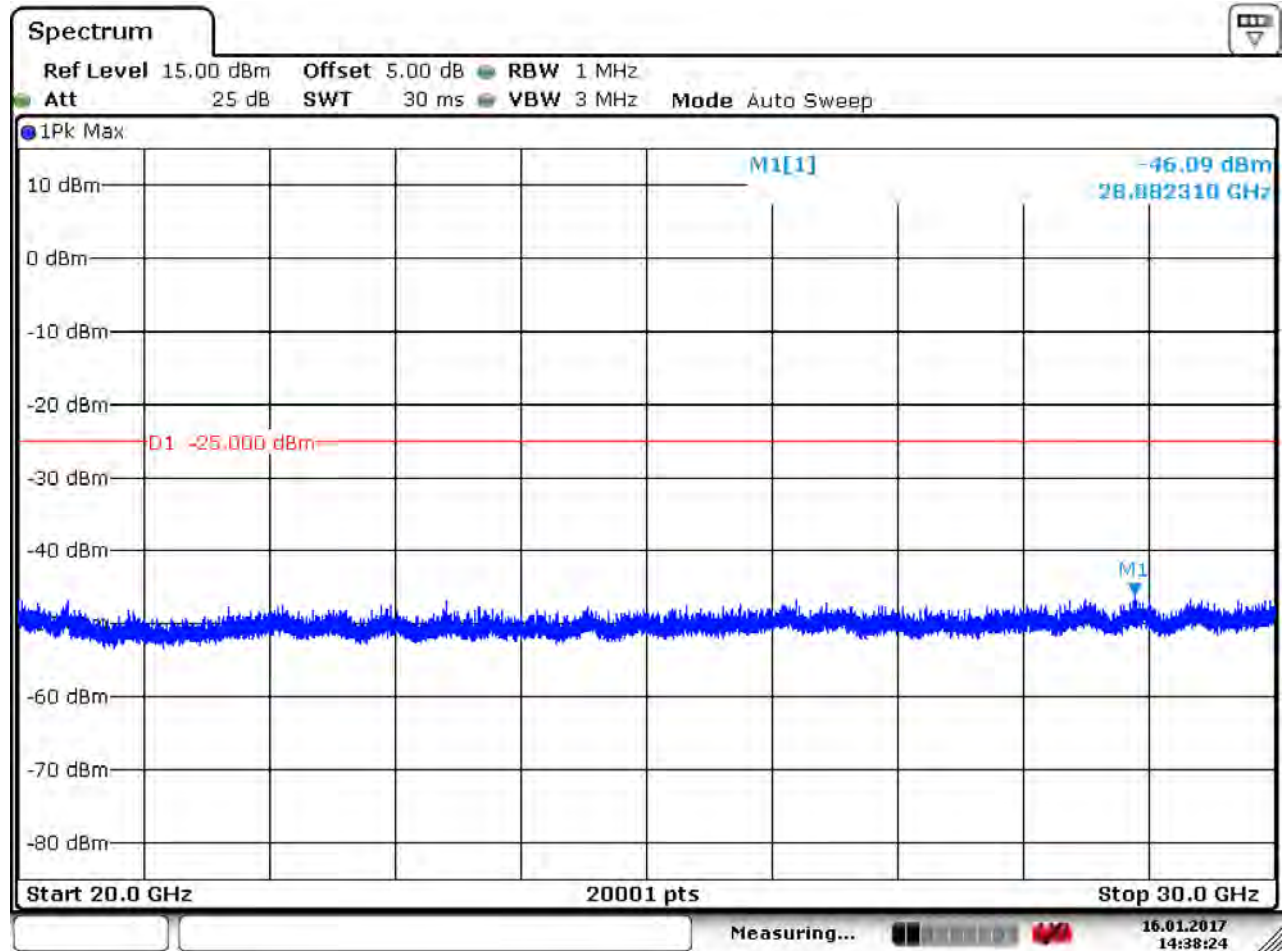
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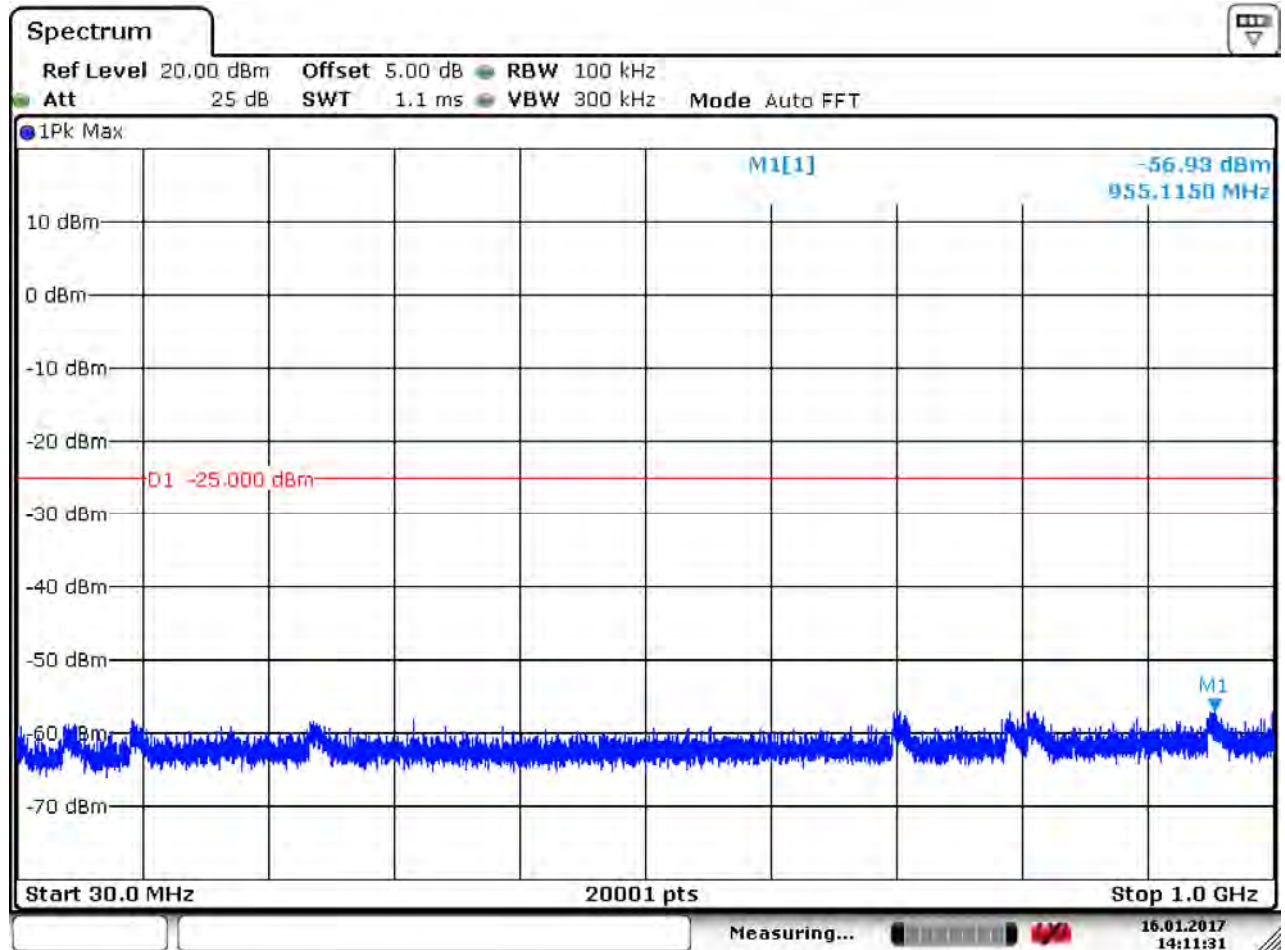
Date: 16.JAN.2017 14:38:24

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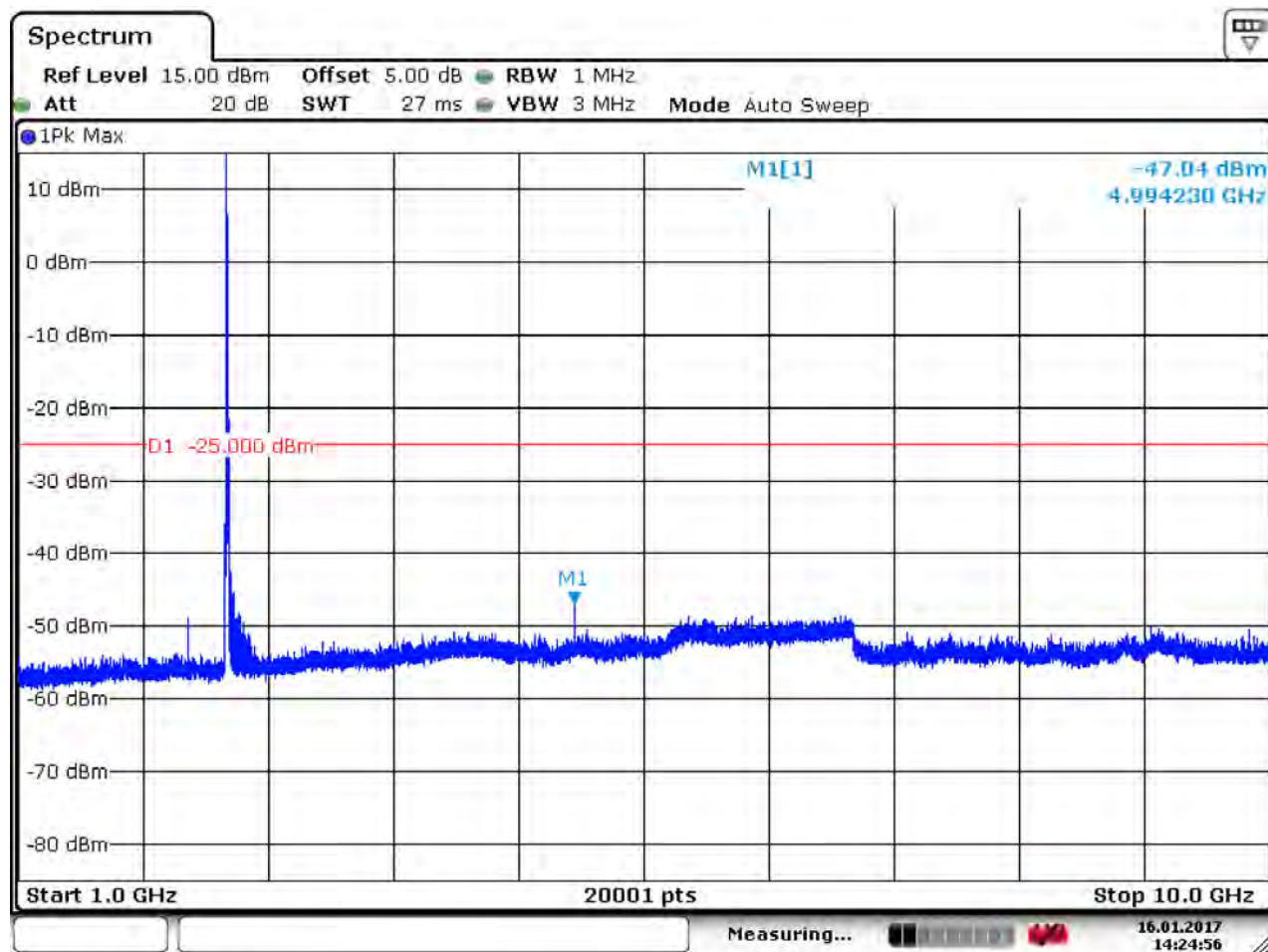
6.1.1.4 Test Mode = LTE / TM1 20MHz RB1#0

6.1.1.4.1 Test Channel = LCH



Date: 16.JAN.2017 14:11:31





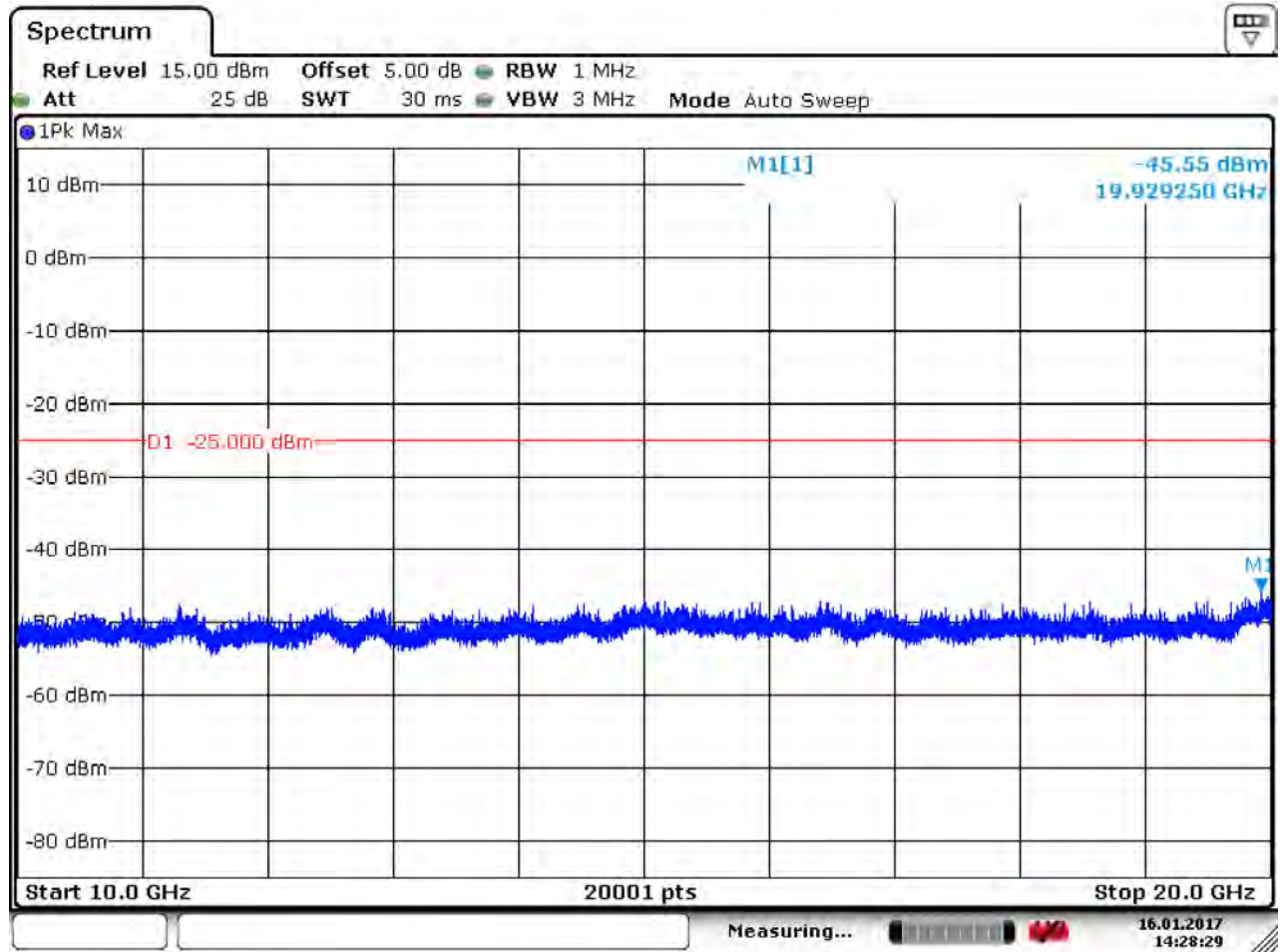
Date: 16.JAN.2017 14:24:57



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Date: 16.JAN.2017 14:28:29

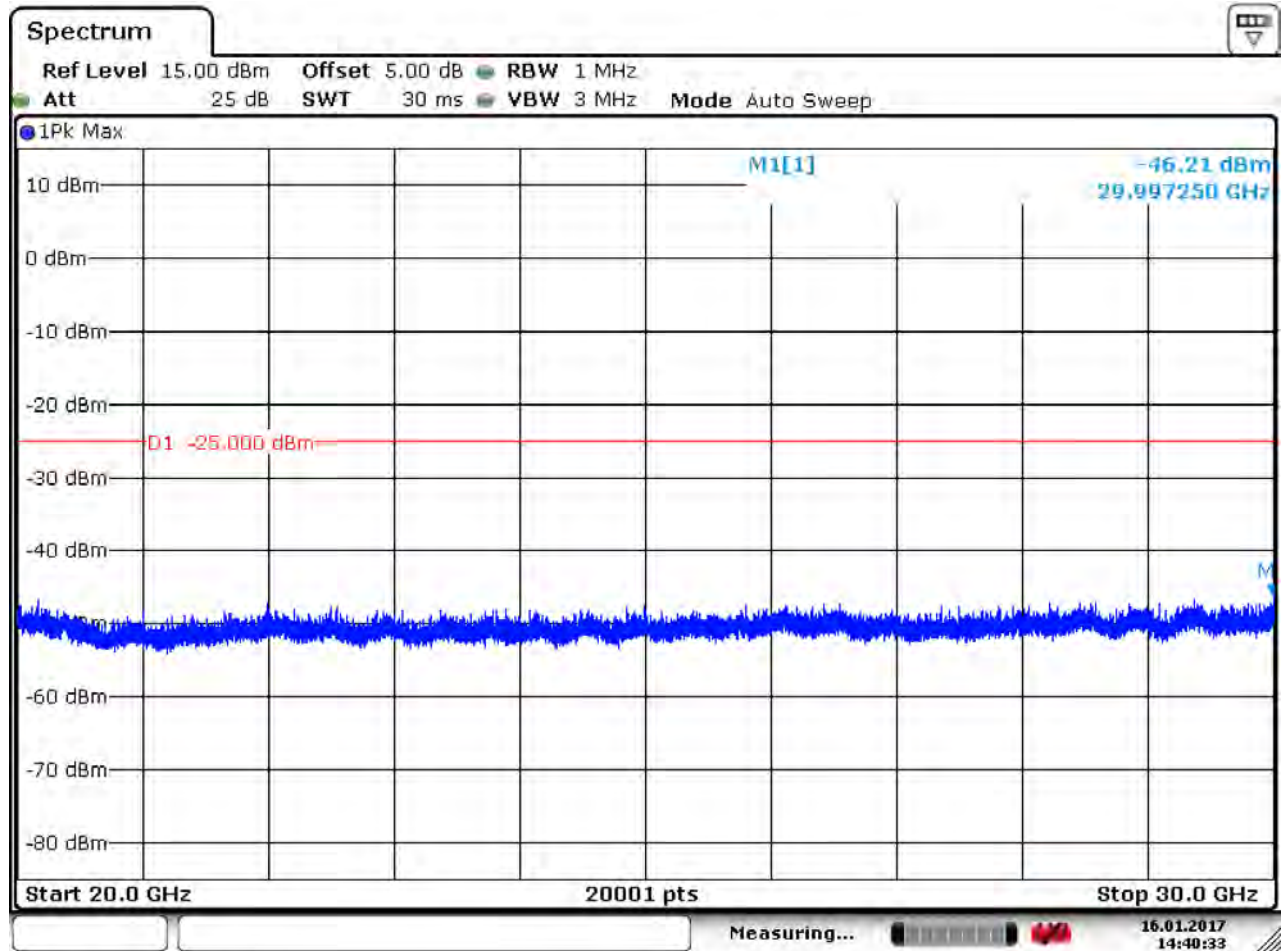
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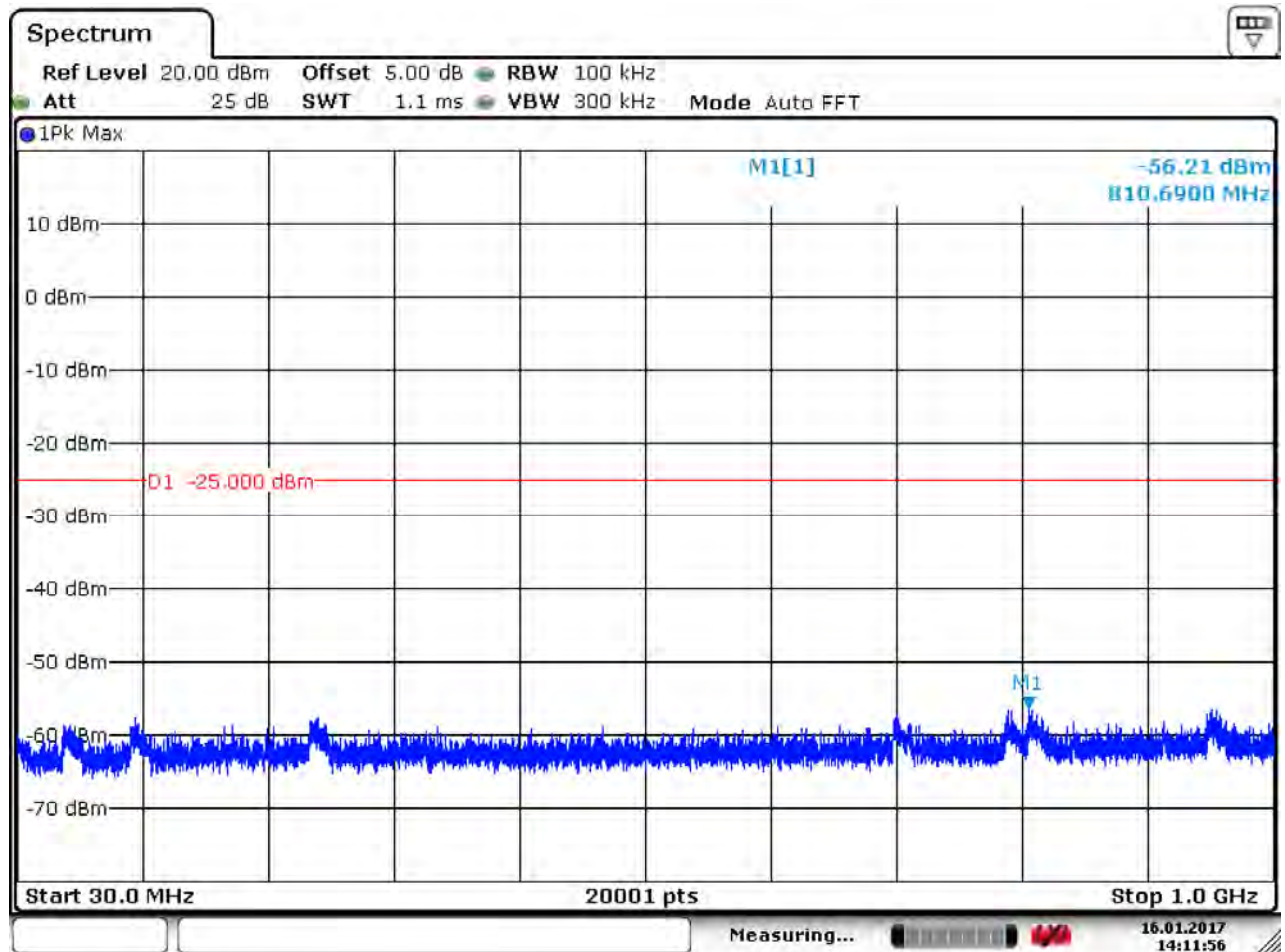


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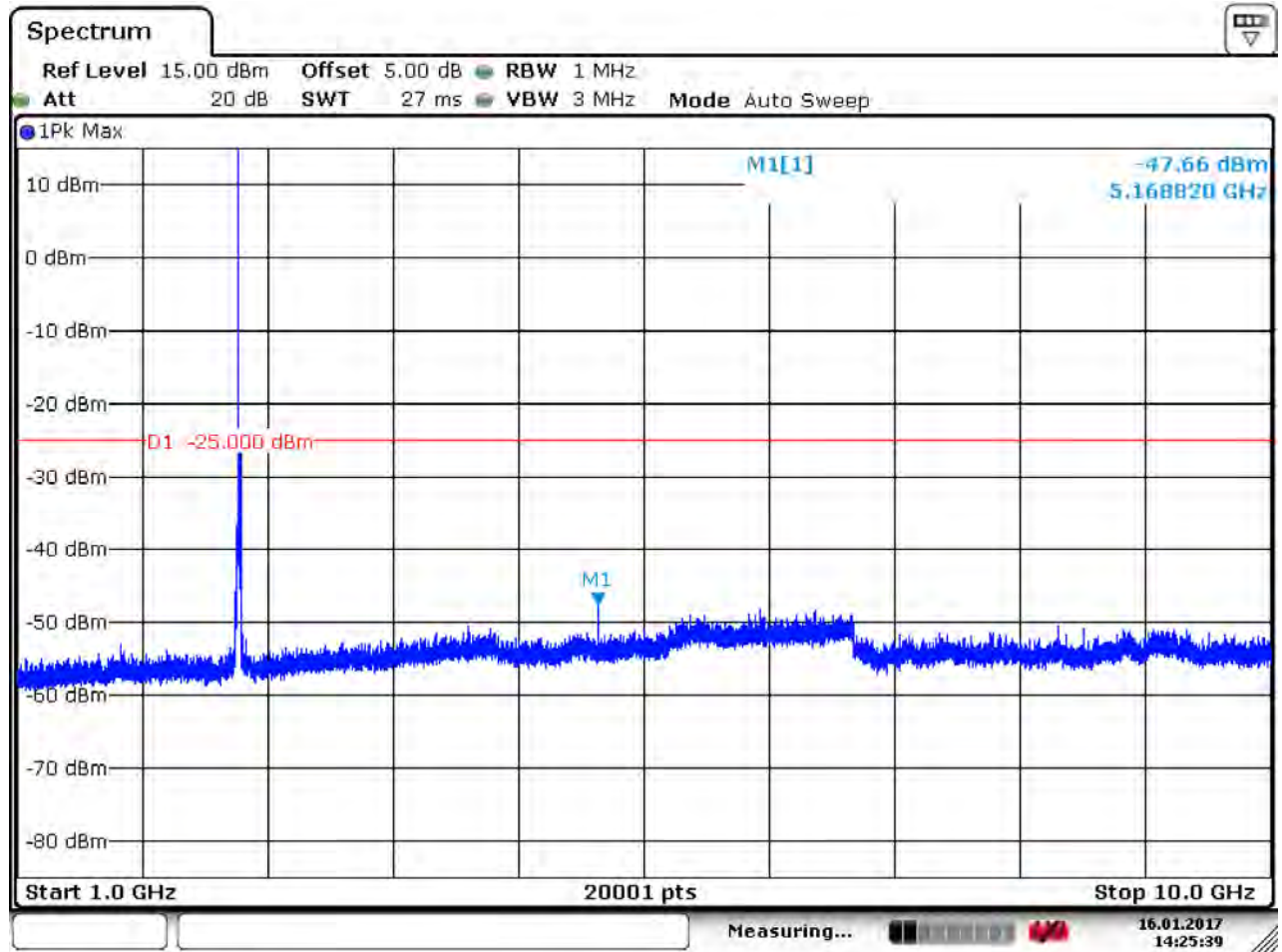


6.1.1.4.2 Test Channel = MCH

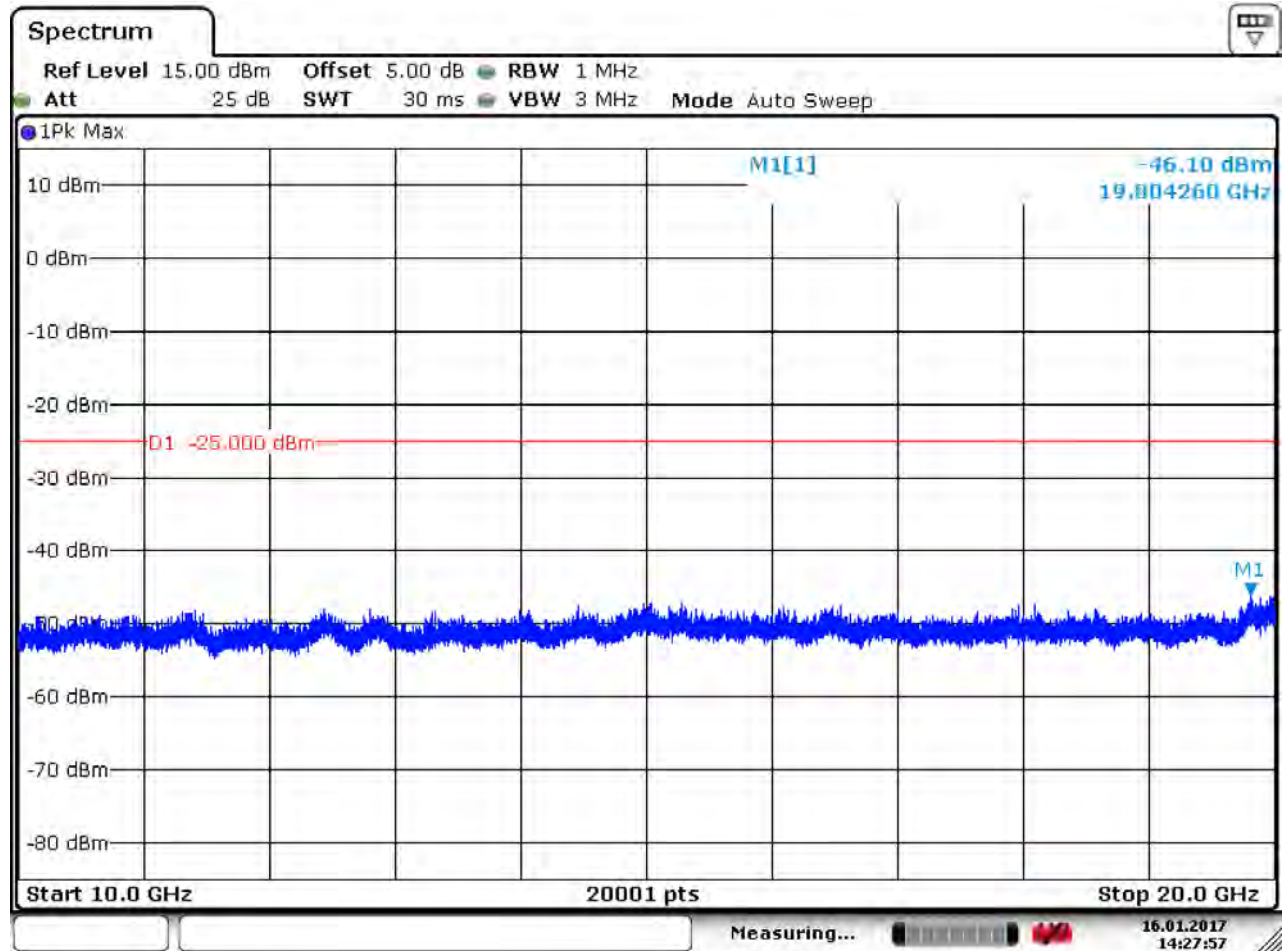


Date: 16.JAN.2017 14:11:57

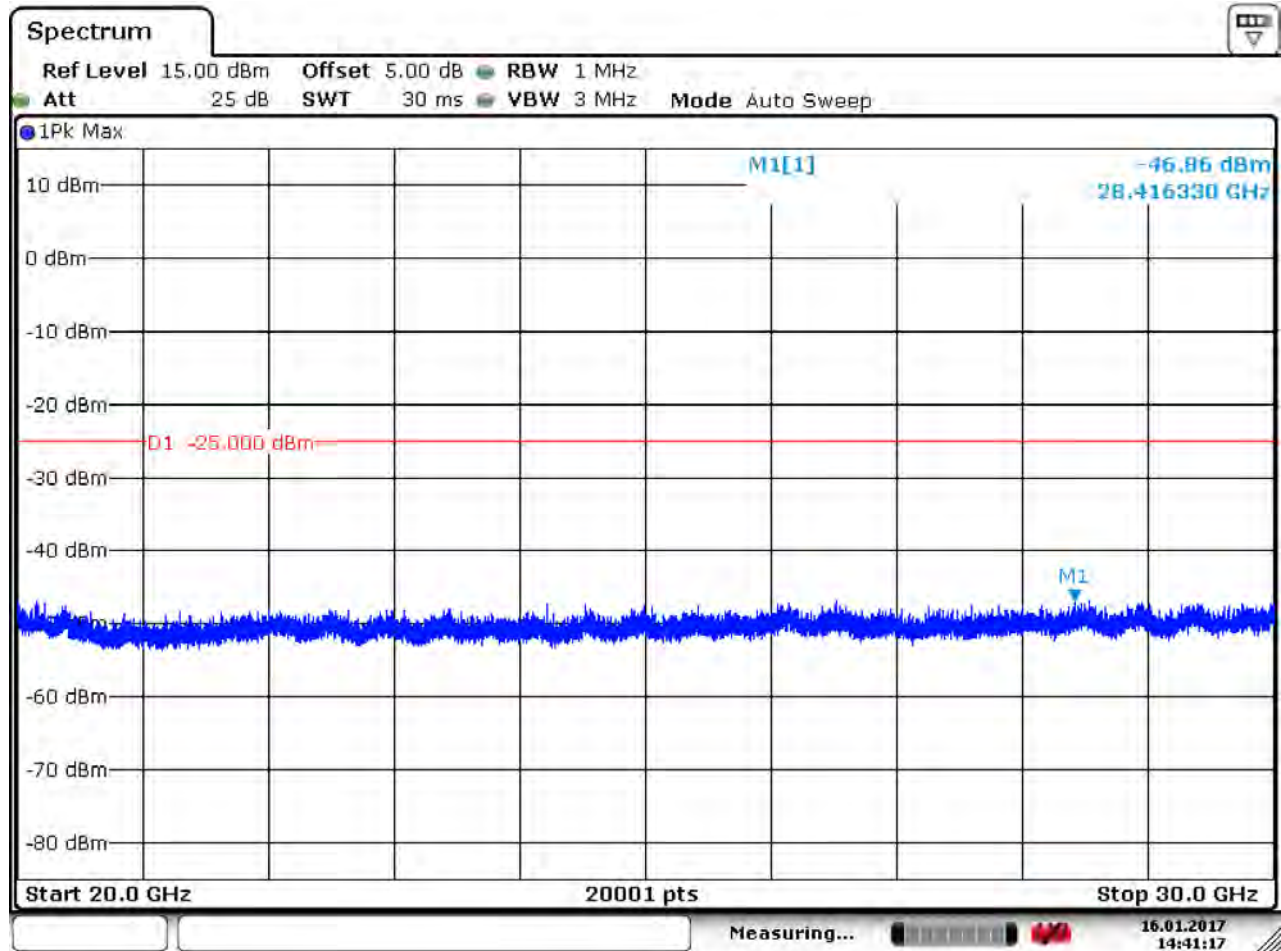




Date: 16.JAN.2017 14:25:39



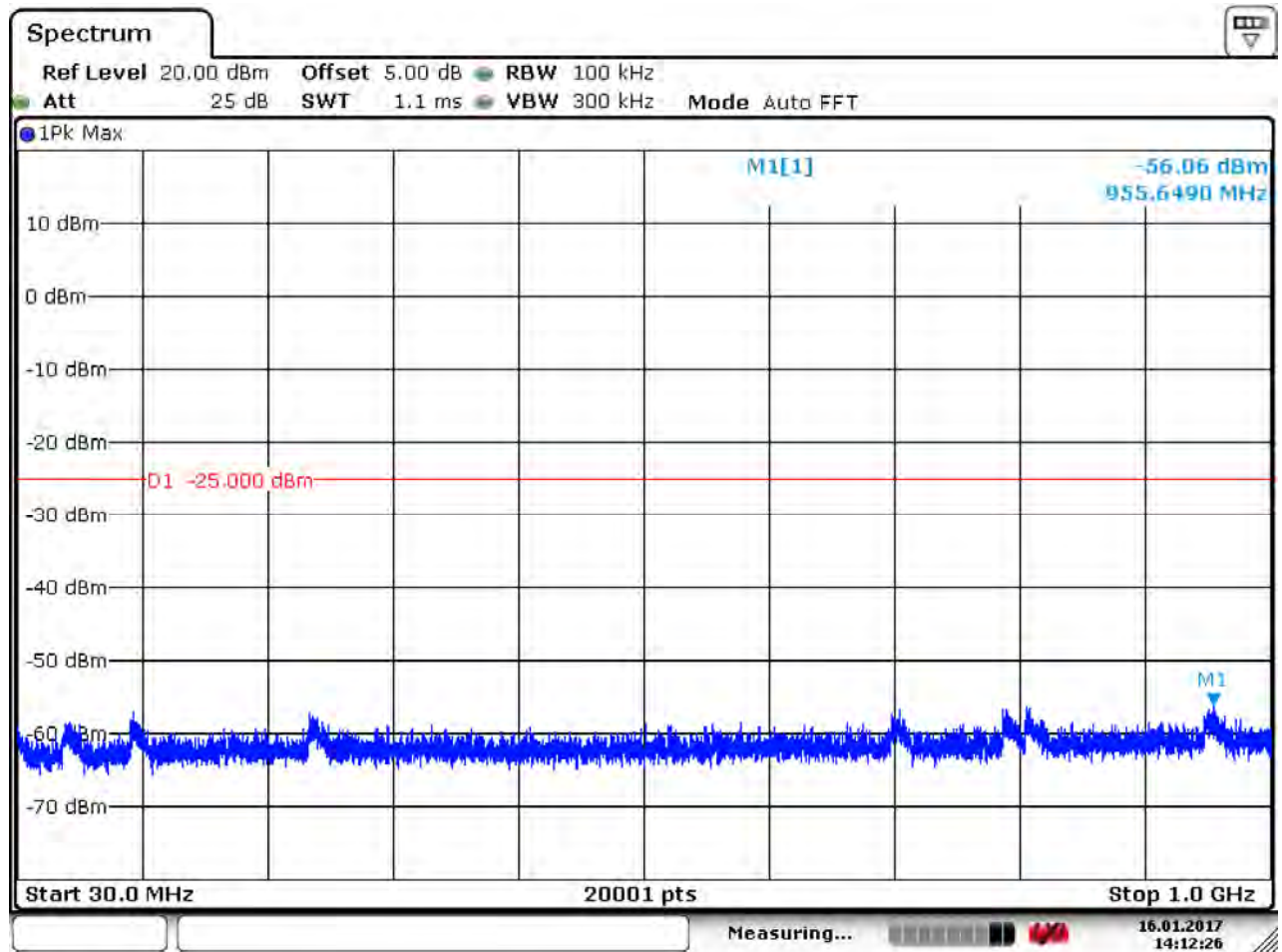
Date: 16.JAN.2017 14:27:58



Date: 16.JAN.2017 14:41:18

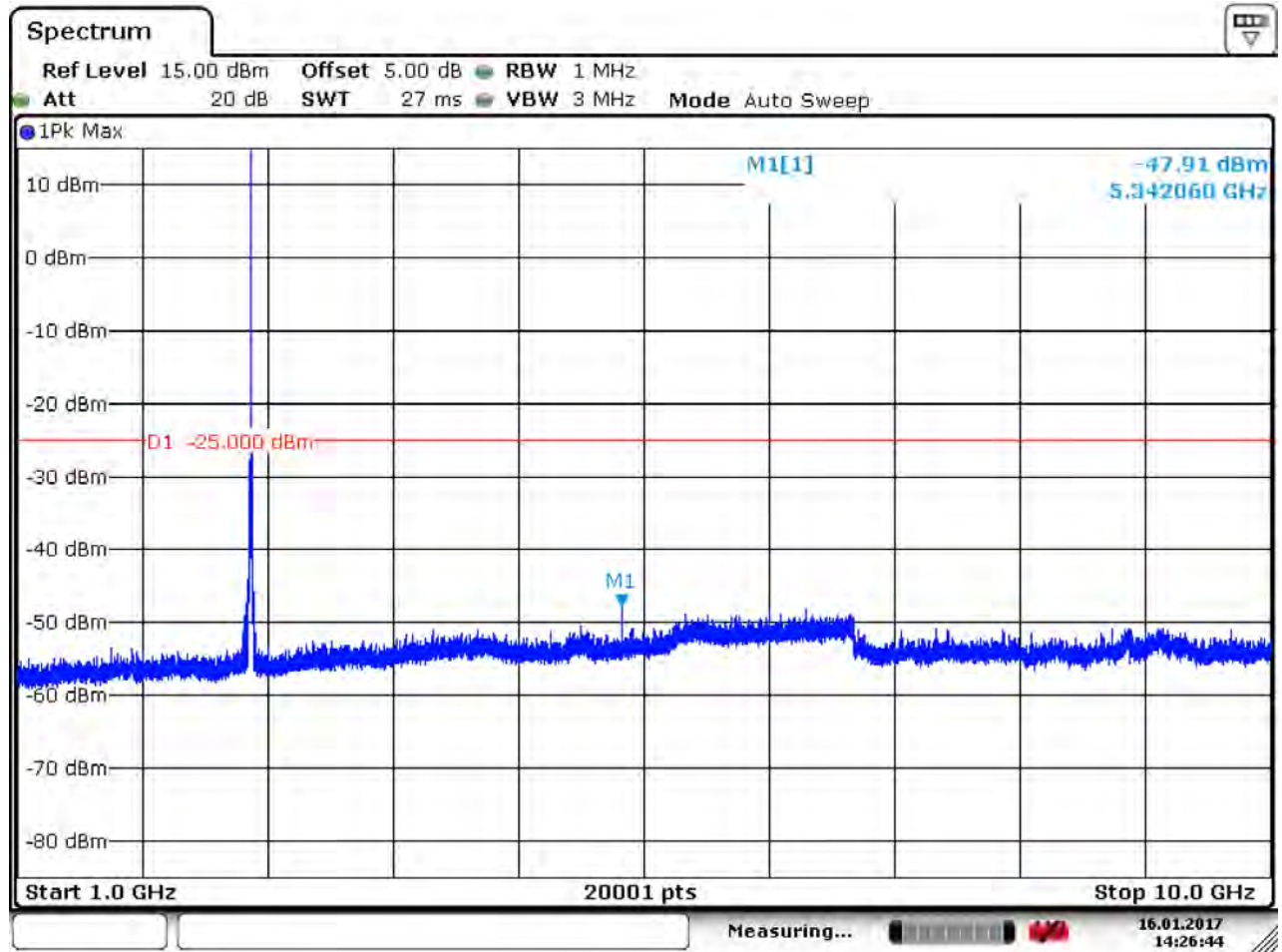


6.1.1.4.3 Test Channel = HCH

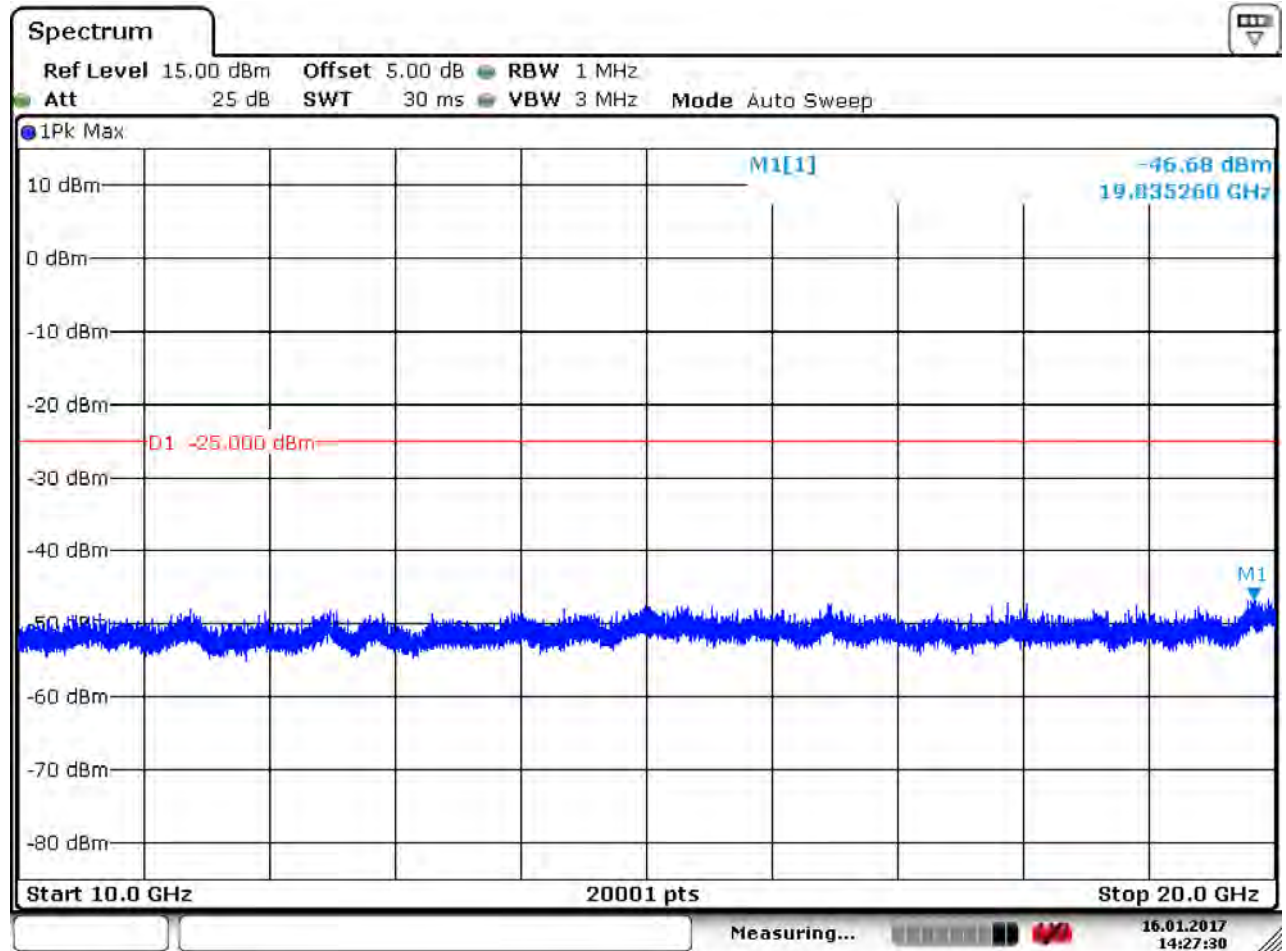


Date: 16.JAN.2017 14:12:27

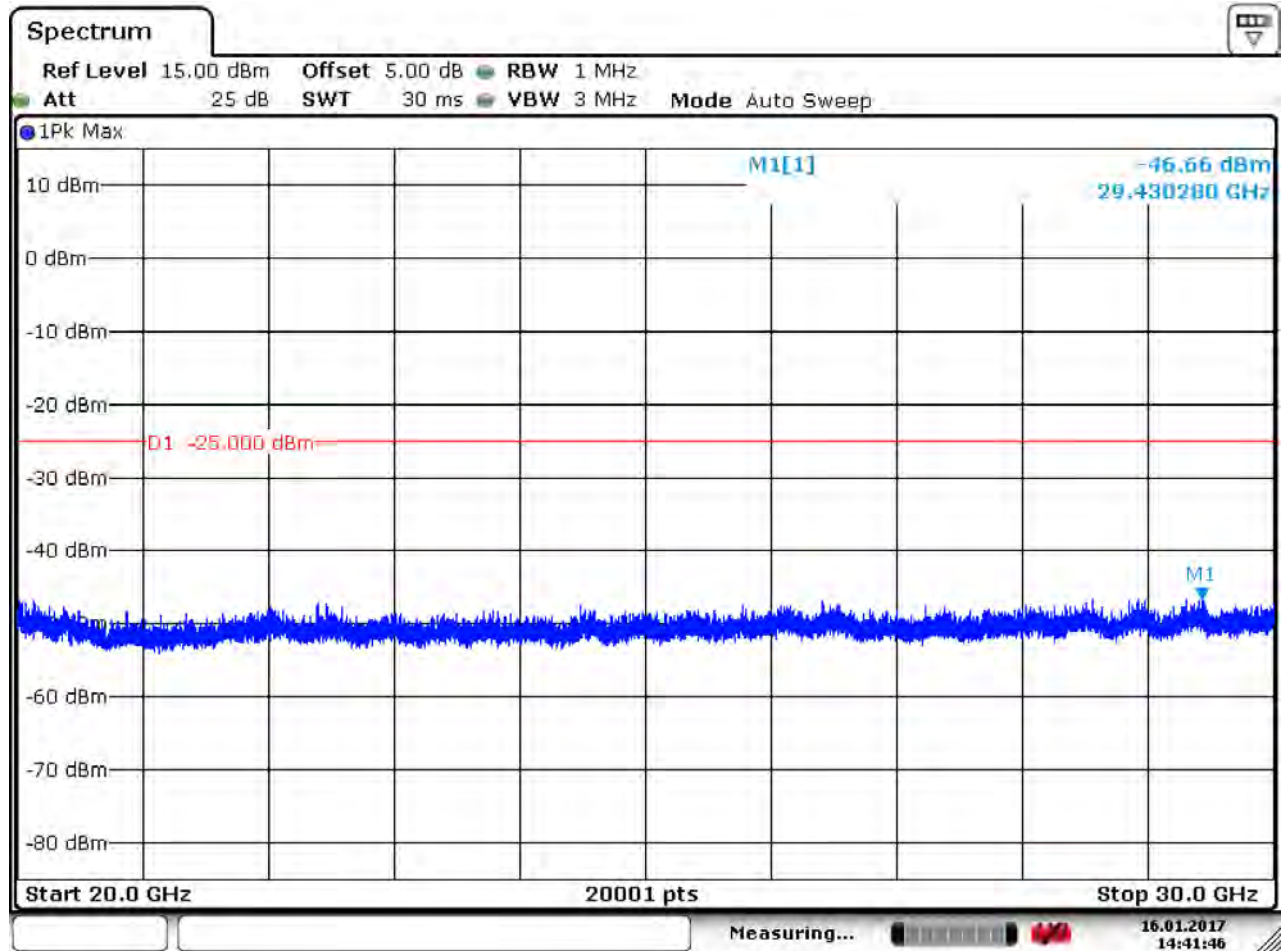




Date: 16.JAN.2017 14:26:44



Date: 16.JAN.2017 14:27:30



Date: 16.JAN.2017 14:41:46



## 7 Field Strength of Spurious Radiation

### Part I - Test Plots

### 7.1 For LTE

#### 7.1.1 Test Band = LTEband41

##### 7.1.1.1.1 Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|-----------------|-------------|------------------|-----------------|--------------|
| 2864.000        | -50.28      | -25.00           | -25.28          | Vertical     |
| 4852.500        | -67.42      | -25.00           | -42.42          | Vertical     |
| 10605.000       | -64.32      | -25.00           | -39.32          | Vertical     |
| 2864.000        | -56.49      | -25.00           | -31.49          | Horizontal   |
| 4950.000        | -67.08      | -25.00           | -42.08          | Horizontal   |
| 10605.000       | -64.36      | -25.00           | -39.36          | Horizontal   |

##### Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|-----------------|-------------|------------------|-----------------|--------------|
| 1199.000        | -66.00      | -25.00           | -41.00          | Vertical     |
| 2744.000        | -57.40      | -25.00           | -32.40          | Vertical     |
| 5730.000        | -66.96      | -25.00           | -41.96          | Vertical     |
| 1100.000        | -66.49      | -25.00           | -41.49          | Horizontal   |
| 2680.000        | -57.37      | -25.00           | -32.37          | Horizontal   |
| 5145.000        | -67.04      | -25.00           | -42.04          | Horizontal   |

##### 7.1.1.1.2 Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|-----------------|-------------|------------------|-----------------|--------------|
| 1353.000        | -67.62      | -25.00           | -42.62          | Vertical     |
| 2456.000        | -57.64      | -25.00           | -32.64          | Vertical     |
| 4267.500        | -67.56      | -25.00           | -42.56          | Vertical     |
| 1375.000        | -67.43      | -25.00           | -42.43          | Horizontal   |
| 4462.500        | -67.91      | -25.00           | -42.91          | Horizontal   |
| 6120.000        | -66.00      | -25.00           | -41.00          | Horizontal   |

#### NOTE:

- 1) All modes are tested, but the data presented above is the worst case. The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.





## 8 Frequency Stability

### 8.1 Frequency Error VS. Voltage

| Test Band   | Test Mode     | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-------------|---------------|--------------|------------|------------|------------------|-----------------------|---------|
| LTE Band 41 | LTE/TM1 20MHz | LCH          | TN         | VL         | 4.21             | 0.00168               | PASS    |
|             |               |              |            | VN         | 6.59             | 0.00263               | PASS    |
|             |               |              |            | VH         | 4.05             | 0.00162               | PASS    |
|             |               | MCH          | TN         | VL         | 3.35             | 0.00129               | PASS    |
|             |               |              |            | VN         | -1.58            | -0.00061              | PASS    |
|             |               |              |            | VH         | -1.21            | -0.00047              | PASS    |
|             |               | HCH          | TN         | VL         | -6.84            | -0.00255              | PASS    |
|             |               |              |            | VN         | -6.53            | -0.00244              | PASS    |
|             |               |              |            | VH         | -1.88            | -0.00070              | PASS    |
|             | LTE/TM2 20MHz | LCH          | TN         | VL         | -1.38            | -0.00055              | PASS    |
|             |               |              |            | VN         | 3.97             | 0.00158               | PASS    |
|             |               |              |            | VH         | -4.11            | -0.00164              | PASS    |
|             |               | MCH          | TN         | VL         | 5.08             | 0.00196               | PASS    |
|             |               |              |            | VN         | -1.83            | -0.00071              | PASS    |
|             |               |              |            | VH         | -2.47            | -0.00095              | PASS    |
|             |               | HCH          | TN         | VL         | -6.54            | -0.00244              | PASS    |
|             |               |              |            | VN         | 6.37             | 0.00238               | PASS    |
|             |               |              |            | VH         | 4.32             | 0.00161               | PASS    |
|             | LTE/TM3 20MHz | LCH          | TN         | VL         | 0.17             | 0.00007               | PASS    |
|             |               |              |            | VN         | -1.87            | -0.00074              | PASS    |
|             |               |              |            | VH         | 0.67             | 0.00027               | PASS    |
|             |               | MCH          | TN         | VL         | -2.56            | -0.00099              | PASS    |
|             |               |              |            | VN         | 4.09             | 0.00158               | PASS    |
|             |               |              |            | VH         | 2.35             | 0.00091               | PASS    |
|             |               | HCH          | TN         | VL         | 6.62             | 0.00247               | PASS    |
|             |               |              |            | VN         | 1.74             | 0.00065               | PASS    |
|             |               |              |            | VH         | 2.68             | 0.00100               | PASS    |



## 8.2 Frequency Error VS. Temperature

| Test Band   | Test Mode     | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-------------|---------------|--------------|------------|------------|------------------|-----------------------|---------|
| LTE Band 41 | LTE/TM1 20MHz | LCH          | VN         | -30        | 0.65             | 0.00026               | PASS    |
|             |               |              |            | -20        | 5.53             | 0.00220               | PASS    |
|             |               |              |            | -10        | 1.08             | 0.00043               | PASS    |
|             |               |              |            | 0          | -2.04            | -0.00082              | PASS    |
|             |               |              |            | 10         | -4.36            | -0.00174              | PASS    |
|             |               |              |            | 20         | -4.38            | -0.00175              | PASS    |
|             |               |              |            | 30         | 5.93             | 0.00237               | PASS    |
|             |               |              |            | 40         | -4.82            | -0.00192              | PASS    |
|             |               |              |            | 50         | -4.18            | -0.00167              | PASS    |
|             |               | MCH          | VN         | -30        | -6.23            | -0.00240              | PASS    |
|             |               |              |            | -20        | -1.93            | -0.00075              | PASS    |
|             |               |              |            | -10        | 3.48             | 0.00134               | PASS    |
|             |               |              |            | 0          | 3.65             | 0.00141               | PASS    |
|             |               |              |            | 10         | -3.32            | -0.00128              | PASS    |
|             |               |              |            | 20         | 2.76             | 0.00107               | PASS    |
|             |               |              |            | 30         | 3.38             | 0.00131               | PASS    |
|             |               |              |            | 40         | 2.19             | 0.00084               | PASS    |
|             |               |              |            | 50         | 0.07             | 0.00003               | PASS    |
|             |               | HCH          | VN         | -30        | -1.90            | -0.00071              | PASS    |
|             |               |              |            | -20        | -1.05            | -0.00039              | PASS    |
|             |               |              |            | -10        | 3.76             | 0.00140               | PASS    |
|             |               |              |            | 0          | 5.83             | 0.00218               | PASS    |
|             |               |              |            | 10         | 3.56             | 0.00133               | PASS    |
|             |               |              |            | 20         | 3.87             | 0.00144               | PASS    |
|             |               |              |            | 30         | -1.71            | -0.00064              | PASS    |
|             |               |              |            | 40         | -6.57            | -0.00245              | PASS    |
|             |               |              |            | 50         | -6.30            | -0.00235              | PASS    |



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| Test Band      | Test Mode     | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|----------------|---------------|--------------|------------|------------|------------------|-----------------------|---------|
| LTE<br>Band 41 | LTE/TM2 20MHz | LCH          | VN         | -30        | -1.67            | -0.00067              | PASS    |
|                |               |              |            | -20        | 0.85             | 0.00034               | PASS    |
|                |               |              |            | -10        | -2.61            | -0.00104              | PASS    |
|                |               |              |            | 0          | 0.41             | 0.00017               | PASS    |
|                |               |              |            | 10         | 2.17             | 0.00087               | PASS    |
|                |               |              |            | 20         | 3.44             | 0.00137               | PASS    |
|                |               |              |            | 30         | 6.68             | 0.00266               | PASS    |
|                |               |              |            | 40         | 2.20             | 0.00088               | PASS    |
|                |               |              |            | 50         | 0.00             | 0.00000               | PASS    |
|                |               | MCH          | VN         | -30        | -2.26            | -0.00087              | PASS    |
|                |               |              |            | -20        | -3.94            | -0.00152              | PASS    |
|                |               |              |            | -10        | -0.30            | -0.00012              | PASS    |
|                |               |              |            | 0          | -5.90            | -0.00228              | PASS    |
|                |               |              |            | 10         | -4.66            | -0.00180              | PASS    |
|                |               |              |            | 20         | 5.74             | 0.00222               | PASS    |
|                |               |              |            | 30         | -5.22            | -0.00201              | PASS    |
|                |               |              |            | 40         | -1.97            | -0.00076              | PASS    |
|                |               |              |            | 50         | -0.52            | -0.00020              | PASS    |
|                |               | HCH          | VN         | -30        | 6.82             | 0.00254               | PASS    |
|                |               |              |            | -20        | 2.10             | 0.00078               | PASS    |
|                |               |              |            | -10        | -4.30            | -0.00160              | PASS    |
|                |               |              |            | 0          | 6.35             | 0.00237               | PASS    |
|                |               |              |            | 10         | -1.72            | -0.00064              | PASS    |
|                |               |              |            | 20         | -4.98            | -0.00186              | PASS    |
|                |               |              |            | 30         | 1.53             | 0.00057               | PASS    |
|                |               |              |            | 40         | -4.68            | -0.00174              | PASS    |
|                |               |              |            | 50         | -5.85            | -0.00218              | PASS    |

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**Shenzhen Branch**

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| Test Band   | Test Mode     | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-------------|---------------|--------------|------------|------------|------------------|-----------------------|---------|
| LTE Band 41 | LTE/TM3 20MHz | LCH          | VN         | -30        | 5.63             | 0.00225               | PASS    |
|             |               |              |            | -20        | 0.97             | 0.00039               | PASS    |
|             |               |              |            | -10        | -2.62            | -0.00105              | PASS    |
|             |               |              |            | 0          | 2.65             | 0.00106               | PASS    |
|             |               |              |            | 10         | 0.47             | 0.00019               | PASS    |
|             |               |              |            | 20         | 0.54             | 0.00022               | PASS    |
|             |               |              |            | 30         | 5.28             | 0.00211               | PASS    |
|             |               |              |            | 40         | 1.65             | 0.00066               | PASS    |
|             |               |              |            | 50         | 3.16             | 0.00126               | PASS    |
|             |               | MCH          | VN         | -30        | -3.37            | -0.00130              | PASS    |
|             |               |              |            | -20        | -6.24            | -0.00241              | PASS    |
|             |               |              |            | -10        | 1.98             | 0.00076               | PASS    |
|             |               |              |            | 0          | 1.51             | 0.00058               | PASS    |
|             |               |              |            | 10         | 2.51             | 0.00097               | PASS    |
|             |               |              |            | 20         | 0.69             | 0.00026               | PASS    |
|             |               |              |            | 30         | -5.71            | -0.00220              | PASS    |
|             |               |              |            | 40         | -3.41            | -0.00132              | PASS    |
|             |               |              |            | 50         | -4.86            | -0.00187              | PASS    |
|             |               | HCH          | VN         | -30        | 6.24             | 0.00233               | PASS    |
|             |               |              |            | -20        | 2.17             | 0.00081               | PASS    |
|             |               |              |            | -10        | -5.32            | -0.00199              | PASS    |
|             |               |              |            | 0          | -6.54            | -0.00244              | PASS    |
|             |               |              |            | 10         | 3.26             | 0.00122               | PASS    |
|             |               |              |            | 20         | -6.69            | -0.00250              | PASS    |
|             |               |              |            | 30         | 1.41             | 0.00053               | PASS    |
|             |               |              |            | 40         | 3.90             | 0.00146               | PASS    |
|             |               |              |            | 50         | -5.41            | -0.00202              | PASS    |

The End

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