# Appendix B

## E-UTRA Band 66

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# 1 Effective (Isotropic) Radiated Power Output Data

**Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE BAND66**

| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM1 | 1.4M | LCH | 1RB#0 | 23.14 | 20.64 | 33.00 | PASS |
| | | | | 1RB#2 | 23.21 | 20.71 | 33.00 | PASS |
| | | | | 1RB#5 | 23.23 | 20.73 | 33.00 | PASS |
| | | | | 3RB#0 | 23.28 | 20.78 | 33.00 | PASS |
| | | | | 3RB#1 | 23.28 | 20.78 | 33.00 | PASS |
| | | | | 3RB#3 | 23.29 | 20.79 | 33.00 | PASS |
| | | | | 6RB#0 | 22.38 | 19.88 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 23.29 | 20.79 | 33.00 | PASS |
| | | | | 1RB#2 | 23.3 | 20.8 | 33.00 | PASS |
| | | | | 1RB#5 | 23.33 | 20.83 | 33.00 | PASS |
| | | | | 3RB#0 | 23.41 | 20.91 | 33.00 | PASS |
| | | | | 3RB#1 | 23.41 | 20.91 | 33.00 | PASS |
| | | | | 3RB#3 | 23.4 | 20.9 | 33.00 | PASS |
| | | | | 6RB#0 | 22.48 | 19.98 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 23.25 | 20.75 | 33.00 | PASS |
| | | | | 1RB#2 | 23.31 | 20.81 | 33.00 | PASS |
| | | | | 1RB#5 | 23.34 | 20.84 | 33.00 | PASS |
| | | | | 3RB#0 | 23.36 | 20.86 | 33.00 | PASS |
| | | | | 3RB#1 | 23.37 | 20.87 | 33.00 | PASS |
| | | | | 3RB#3 | 23.39 | 20.89 | 33.00 | PASS |
| | | | | 6RB#0 | 22.52 | 20.02 | 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 |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM2 | 1.4M | LCH | 1RB#0 | 22.28 | 19.78 | 33.00 | PASS |
| | | | | 1RB#2 | 22.4 | 19.9 | 33.00 | PASS |
| | | | | 1RB#5 | 22.35 | 19.85 | 33.00 | PASS |
| | | | | 3RB#0 | 22.24 | 19.74 | 33.00 | PASS |
| | | | | 3RB#1 | 22.25 | 19.75 | 33.00 | PASS |
| | | | | 3RB#3 | 22.19 | 19.69 | 33.00 | PASS |
| | | | | 6RB#0 | 21.4 | 18.9 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 22.42 | 19.92 | 33.00 | PASS |
| | | | | 1RB#2 | 22.5 | 20 | 33.00 | PASS |
| | | | | 1RB#5 | 22.47 | 19.97 | 33.00 | PASS |
| | | | | 3RB#0 | 22.37 | 19.87 | 33.00 | PASS |
| | | | | 3RB#1 | 22.38 | 19.88 | 33.00 | PASS |
| | | | | 3RB#3 | 22.3 | 19.8 | 33.00 | PASS |
| | | | | 6RB#0 | 21.52 | 19.02 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 22.45 | 19.95 | 33.00 | PASS |
| | | | | 1RB#2 | 22.55 | 20.05 | 33.00 | PASS |
| | | | | 1RB#5 | 22.53 | 20.03 | 33.00 | PASS |
| | | | | 3RB#0 | 22.33 | 19.83 | 33.00 | PASS |
| | | | | 3RB#1 | 22.32 | 19.82 | 33.00 | PASS |
| | | | | 3RB#3 | 22.4 | 19.9 | 33.00 | PASS |
| | | | | 6RB#0 | 21.43 | 18.93 | 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 |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM1 | 3M | LCH | 1RB#0 | 23.29 | 20.79 | 33.00 | PASS |
| | | | | 1RB#8 | 23.23 | 20.73 | 33.00 | PASS |
| | | | | 1RB#14 | 23.31 | 20.81 | 33.00 | PASS |
| | | | | 8RB#0 | 22.47 | 19.97 | 33.00 | PASS |
| | | | | 8RB#4 | 22.48 | 19.98 | 33.00 | PASS |
| | | | | 8RB#7 | 22.5 | 20 | 33.00 | PASS |
| | | | | 15RB#0 | 22.47 | 19.97 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 23.39 | 20.89 | 33.00 | PASS |
| | | | | 1RB#8 | 23.33 | 20.83 | 33.00 | PASS |
| | | | | 1RB#14 | 23.41 | 20.91 | 33.00 | PASS |
| | | | | 8RB#0 | 22.6 | 20.1 | 33.00 | PASS |
| | | | | 8RB#4 | 22.59 | 20.09 | 33.00 | PASS |
| | | | | 8RB#7 | 22.59 | 20.09 | 33.00 | PASS |
| | | | | 15RB#0 | 22.57 | 20.07 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 23.42 | 20.92 | 33.00 | PASS |
| | | | | 1RB#8 | 23.34 | 20.84 | 33.00 | PASS |
| | | | | 1RB#14 | 23.42 | 20.92 | 33.00 | PASS |
| | | | | 8RB#0 | 22.65 | 20.15 | 33.00 | PASS |
| | | | | 8RB#4 | 22.65 | 20.15 | 33.00 | PASS |
| | | | | 8RB#7 | 22.63 | 20.13 | 33.00 | PASS |
| | | | | 15RB#0 | 22.59 | 20.09 | 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 |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM2 | 3M | LCH | 1RB#0 | 22.43 | 19.93 | 33.00 | PASS |
| | | | | 1RB#8 | 22.37 | 19.87 | 33.00 | PASS |
| | | | | 1RB#14 | 22.43 | 19.93 | 33.00 | PASS |
| | | | | 8RB#0 | 21.46 | 18.96 | 33.00 | PASS |
| | | | | 8RB#4 | 21.46 | 18.96 | 33.00 | PASS |
| | | | | 8RB#7 | 21.49 | 18.99 | 33.00 | PASS |
| | | | | 15RB#0 | 21.39 | 18.89 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 22.27 | 19.77 | 33.00 | PASS |
| | | | | 1RB#8 | 22.25 | 19.75 | 33.00 | PASS |
| | | | | 1RB#14 | 22.31 | 19.81 | 33.00 | PASS |
| | | | | 8RB#0 | 21.58 | 19.08 | 33.00 | PASS |
| | | | | 8RB#4 | 21.57 | 19.07 | 33.00 | PASS |
| | | | | 8RB#7 | 21.58 | 19.08 | 33.00 | PASS |
| | | | | 15RB#0 | 21.48 | 18.98 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 22.3 | 19.8 | 33.00 | PASS |
| | | | | 1RB#8 | 22.28 | 19.78 | 33.00 | PASS |
| | | | | 1RB#14 | 22.33 | 19.83 | 33.00 | PASS |
| | | | | 8RB#0 | 21.61 | 19.11 | 33.00 | PASS |
| | | | | 8RB#4 | 21.6 | 19.1 | 33.00 | PASS |
| | | | | 8RB#7 | 21.58 | 19.08 | 33.00 | PASS |
| | | | | 15RB#0 | 21.5 | 19 | 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 |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM1 | 5M | LCH | 1RB#0 | 23.36 | 20.86 | 33.00 | PASS |
| | | | | 1RB#12 | 23.34 | 20.84 | 33.00 | PASS |
| | | | | 1RB#24 | 23.37 | 20.87 | 33.00 | PASS |
| | | | | 12RB#0 | 22.39 | 19.89 | 33.00 | PASS |
| | | | | 12RB#6 | 22.39 | 19.89 | 33.00 | PASS |
| | | | | 12RB#13 | 22.37 | 19.87 | 33.00 | PASS |
| | | | | 25RB#0 | 22.4 | 19.9 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 23.39 | 20.89 | 33.00 | PASS |
| | | | | 1RB#12 | 23.38 | 20.88 | 33.00 | PASS |
| | | | | 1RB#24 | 23.41 | 20.91 | 33.00 | PASS |
| | | | | 12RB#0 | 22.5 | 20 | 33.00 | PASS |
| | | | | 12RB#6 | 22.49 | 19.99 | 33.00 | PASS |
| | | | | 12RB#13 | 22.45 | 19.95 | 33.00 | PASS |
| | | | | 25RB#0 | 22.48 | 19.98 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 23.4 | 20.9 | 33.00 | PASS |
| | | | | 1RB#12 | 23.41 | 20.91 | 33.00 | PASS |
| | | | | 1RB#24 | 23.42 | 20.92 | 33.00 | PASS |
| | | | | 12RB#0 | 22.51 | 20.01 | 33.00 | PASS |
| | | | | 12RB#6 | 22.51 | 20.01 | 33.00 | PASS |
| | | | | 12RB#13 | 22.44 | 19.94 | 33.00 | PASS |
| | | | | 25RB#0 | 22.47 | 19.97 | 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 |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM2 | 5M | LCH | 1RB#0 | 22.34 | 19.84 | 33.00 | PASS |
| | | | | 1RB#12 | 22.35 | 19.85 | 33.00 | PASS |
| | | | | 1RB#24 | 22.36 | 19.86 | 33.00 | PASS |
| | | | | 12RB#0 | 21.39 | 18.89 | 33.00 | PASS |
| | | | | 12RB#6 | 21.4 | 18.9 | 33.00 | PASS |
| | | | | 12RB#13 | 21.38 | 18.88 | 33.00 | PASS |
| | | | | 25RB#0 | 21.41 | 18.91 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 22.42 | 19.92 | 33.00 | PASS |
| | | | | 1RB#12 | 22.4 | 19.9 | 33.00 | PASS |
| | | | | 1RB#24 | 22.44 | 19.94 | 33.00 | PASS |
| | | | | 12RB#0 | 21.47 | 18.97 | 33.00 | PASS |
| | | | | 12RB#6 | 21.48 | 18.98 | 33.00 | PASS |
| | | | | 12RB#13 | 21.44 | 18.94 | 33.00 | PASS |
| | | | | 25RB#0 | 21.48 | 18.98 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 22.57 | 20.07 | 33.00 | PASS |
| | | | | 1RB#12 | 22.57 | 20.07 | 33.00 | PASS |
| | | | | 1RB#24 | 22.59 | 20.09 | 33.00 | PASS |
| | | | | 12RB#0 | 21.5 | 19 | 33.00 | PASS |
| | | | | 12RB#6 | 21.51 | 19.01 | 33.00 | PASS |
| | | | | 12RB#13 | 21.45 | 18.95 | 33.00 | PASS |
| | | | | 25RB#0 | 21.44 | 18.94 | 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 |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM1 | 10M | LCH | 1RB#0 | 23.46 | 20.96 | 33.00 | PASS |
| | | | | 1RB#24 | 23.44 | 20.94 | 33.00 | PASS |
| | | | | 1RB#49 | 23.52 | 21.02 | 33.00 | PASS |
| | | | | 25RB#0 | 22.46 | 19.96 | 33.00 | PASS |
| | | | | 25RB#12 | 22.46 | 19.96 | 33.00 | PASS |
| | | | | 25RB#25 | 22.47 | 19.97 | 33.00 | PASS |
| | | | | 50RB#0 | 22.46 | 19.96 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 23.54 | 21.04 | 33.00 | PASS |
| | | | | 1RB#24 | 23.51 | 21.01 | 33.00 | PASS |
| | | | | 1RB#49 | 23.57 | 21.07 | 33.00 | PASS |
| | | | | 25RB#0 | 22.54 | 20.04 | 33.00 | PASS |
| | | | | 25RB#12 | 22.53 | 20.03 | 33.00 | PASS |
| | | | | 25RB#25 | 22.48 | 19.98 | 33.00 | PASS |
| | | | | 50RB#0 | 22.52 | 20.02 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 23.54 | 21.04 | 33.00 | PASS |
| | | | | 1RB#24 | 23.44 | 20.94 | 33.00 | PASS |
| | | | | 1RB#49 | 23.54 | 21.04 | 33.00 | PASS |
| | | | | 25RB#0 | 22.56 | 20.06 | 33.00 | PASS |
| | | | | 25RB#12 | 22.56 | 20.06 | 33.00 | PASS |
| | | | | 25RB#25 | 22.47 | 19.97 | 33.00 | PASS |
| | | | | 50RB#0 | 22.52 | 20.02 | 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 |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM2 | 10M | LCH | 1RB#0 | 22.63 | 20.13 | 33.00 | PASS |
| | | | | 1RB#24 | 22.59 | 20.09 | 33.00 | PASS |
| | | | | 1RB#49 | 22.67 | 20.17 | 33.00 | PASS |
| | | | | 25RB#0 | 21.46 | 18.96 | 33.00 | PASS |
| | | | | 25RB#12 | 21.46 | 18.96 | 33.00 | PASS |
| | | | | 25RB#25 | 21.48 | 18.98 | 33.00 | PASS |
| | | | | 50RB#0 | 21.47 | 18.97 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 22.47 | 19.97 | 33.00 | PASS |
| | | | | 1RB#24 | 22.45 | 19.95 | 33.00 | PASS |
| | | | | 1RB#49 | 22.53 | 20.03 | 33.00 | PASS |
| | | | | 25RB#0 | 21.56 | 19.06 | 33.00 | PASS |
| | | | | 25RB#12 | 21.56 | 19.06 | 33.00 | PASS |
| | | | | 25RB#25 | 21.5 | 19 | 33.00 | PASS |
| | | | | 50RB#0 | 21.52 | 19.02 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 22.71 | 20.21 | 33.00 | PASS |
| | | | | 1RB#24 | 22.64 | 20.14 | 33.00 | PASS |
| | | | | 1RB#49 | 22.7 | 20.2 | 33.00 | PASS |
| | | | | 25RB#0 | 21.52 | 19.02 | 33.00 | PASS |
| | | | | 25RB#12 | 21.52 | 19.02 | 33.00 | PASS |
| | | | | 25RB#25 | 21.42 | 18.92 | 33.00 | PASS |
| | | | | 50RB#0 | 21.49 | 18.99 | 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 |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM1 | 15M | LCH | 1RB#0 | 23.57 | 21.07 | 33.00 | PASS |
| | | | | 1RB#38 | 23.42 | 20.92 | 33.00 | PASS |
| | | | | 1RB#74 | 23.56 | 21.06 | 33.00 | PASS |
| | | | | 36RB#0 | 22.8 | 20.3 | 33.00 | PASS |
| | | | | 36RB#18 | 22.7 | 20.2 | 33.00 | PASS |
| | | | | 36RB#39 | 22.82 | 20.32 | 33.00 | PASS |
| | | | | 75RB#0 | 22.59 | 20.09 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 23.65 | 21.15 | 33.00 | PASS |
| | | | | 1RB#38 | 23.51 | 21.01 | 33.00 | PASS |
| | | | | 1RB#74 | 23.63 | 21.13 | 33.00 | PASS |
| | | | | 36RB#0 | 22.55 | 20.05 | 33.00 | PASS |
| | | | | 36RB#18 | 22.43 | 19.93 | 33.00 | PASS |
| | | | | 36RB#39 | 22.52 | 20.02 | 33.00 | PASS |
| | | | | 75RB#0 | 22.62 | 20.12 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 23.66 | 21.16 | 33.00 | PASS |
| | | | | 1RB#38 | 23.49 | 20.99 | 33.00 | PASS |
| | | | | 1RB#74 | 23.56 | 21.06 | 33.00 | PASS |
| | | | | 36RB#0 | 22.84 | 20.34 | 33.00 | PASS |
| | | | | 36RB#18 | 22.67 | 20.17 | 33.00 | PASS |
| | | | | 36RB#39 | 22.72 | 20.22 | 33.00 | PASS |
| | | | | 75RB#0 | 22.7 | 20.2 | 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 |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM2 | 15M | LCH | 1RB#0 | 22.78 | 20.28 | 33.00 | PASS |
| | | | | 1RB#38 | 22.69 | 20.19 | 33.00 | PASS |
| | | | | 1RB#74 | 22.81 | 20.31 | 33.00 | PASS |
| | | | | 36RB#0 | 21.2 | 18.7 | 33.00 | PASS |
| | | | | 36RB#18 | 21.13 | 18.63 | 33.00 | PASS |
| | | | | 36RB#39 | 21.13 | 18.63 | 33.00 | PASS |
| | | | | 75RB#0 | 21.54 | 19.04 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 22.54 | 20.04 | 33.00 | PASS |
| | | | | 1RB#38 | 22.42 | 19.92 | 33.00 | PASS |
| | | | | 1RB#74 | 22.51 | 20.01 | 33.00 | PASS |
| | | | | 36RB#0 | 21.19 | 18.69 | 33.00 | PASS |
| | | | | 36RB#18 | 21.14 | 18.64 | 33.00 | PASS |
| | | | | 36RB#39 | 21.09 | 18.59 | 33.00 | PASS |
| | | | | 75RB#0 | 21.57 | 19.07 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 22.82 | 20.32 | 33.00 | PASS |
| | | | | 1RB#38 | 22.66 | 20.16 | 33.00 | PASS |
| | | | | 1RB#74 | 22.72 | 20.22 | 33.00 | PASS |
| | | | | 36RB#0 | 21.35 | 18.85 | 33.00 | PASS |
| | | | | 36RB#18 | 21.23 | 18.73 | 33.00 | PASS |
| | | | | 36RB#39 | 21.16 | 18.66 | 33.00 | PASS |
| | | | | 75RB#0 | 21.6 | 19.1 | 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 |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM1 | 20M | LCH | 1RB#0 | 23.59 | 21.09 | 33.00 | PASS |
| | | | | 1RB#49 | 23.37 | 20.87 | 33.00 | PASS |
| | | | | 1RB#99 | 23.63 | 21.13 | 33.00 | PASS |
| | | | | 50RB#0 | 22.56 | 20.06 | 33.00 | PASS |
| | | | | 50RB#25 | 22.57 | 20.07 | 33.00 | PASS |
| | | | | 50RB#50 | 22.55 | 20.05 | 33.00 | PASS |
| | | | | 100RB#0 | 22.57 | 20.07 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 23.8 | 21.3 | 33.00 | PASS |
| | | | | 1RB#49 | 23.59 | 21.09 | 33.00 | PASS |
| | | | | 1RB#99 | 23.83 | 21.33 | 33.00 | PASS |
| | | | | 50RB#0 | 22.66 | 20.16 | 33.00 | PASS |
| | | | | 50RB#25 | 22.66 | 20.16 | 33.00 | PASS |
| | | | | 50RB#50 | 22.51 | 20.01 | 33.00 | PASS |
| | | | | 100RB#0 | 22.62 | 20.12 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 23.84 | 21.34 | 33.00 | PASS |
| | | | | 1RB#49 | 23.66 | 21.16 | 33.00 | PASS |
| | | | | 1RB#99 | 23.84 | 21.34 | 33.00 | PASS |
| | | | | 50RB#0 | 22.71 | 20.21 | 33.00 | PASS |
| | | | | 50RB#25 | 22.7 | 20.2 | 33.00 | PASS |
| | | | | 50RB#50 | 22.55 | 20.05 | 33.00 | PASS |
| | | | | 100RB#0 | 22.64 | 20.14 | 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 |
|---|---|---|---|---|---|---|---|---|
| BAND66 | LTE/TM2 | 20M | LCH | 1RB#0 | 22.66 | 20.16 | 33.00 | PASS |
| | | | | 1RB#49 | 22.5 | 20 | 33.00 | PASS |
| | | | | 1RB#99 | 22.7 | 20.2 | 33.00 | PASS |
| | | | | 50RB#0 | 21.6 | 19.1 | 33.00 | PASS |
| | | | | 50RB#25 | 21.6 | 19.1 | 33.00 | PASS |
| | | | | 50RB#50 | 21.61 | 19.11 | 33.00 | PASS |
| | | | | 100RB#0 | 21.55 | 19.05 | 33.00 | PASS |
| | | | MCH | 1RB#0 | 22.79 | 20.29 | 33.00 | PASS |
| | | | | 1RB#49 | 22.61 | 20.11 | 33.00 | PASS |
| | | | | 1RB#99 | 22.79 | 20.29 | 33.00 | PASS |
| | | | | 50RB#0 | 21.64 | 19.14 | 33.00 | PASS |
| | | | | 50RB#25 | 21.64 | 19.14 | 33.00 | PASS |
| | | | | 50RB#50 | 21.49 | 18.99 | 33.00 | PASS |
| | | | | 100RB#0 | 21.59 | 19.09 | 33.00 | PASS |
| | | | HCH | 1RB#0 | 22.93 | 20.43 | 33.00 | PASS |
| | | | | 1RB#49 | 22.75 | 20.25 | 33.00 | PASS |
| | | | | 1RB#99 | 22.84 | 20.34 | 33.00 | PASS |
| | | | | 50RB#0 | 21.71 | 19.21 | 33.00 | PASS |
| | | | | 50RB#25 | 21.71 | 19.21 | 33.00 | PASS |
| | | | | 50RB#50 | 21.54 | 19.04 | 33.00 | PASS |
| | | | | 100RB#0 | 21.61 | 19.11 | 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,

EIRP [dBm] = SGP [dBm] – Cable Loss [dB] + Gain [dBi]

b: SGP=Signal Generator Level

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# 2 Peak-to-Average Ratio

**Part I - Test Results**

| Test Band | Test Mode | Test Channel | Measured[dB] | Limit [dB] | Verdict |
|---|---|---|---|---|---|
| BAND66 | TM1/20M | LCH | 3.86 | 13 | PASS |
| | | MCH | 4.17 | 13 | PASS |
| | | HCH | 4.17 | 13 | PASS |
| | TM2/20M | LCH | 5.59 | 13 | PASS |
| | | MCH | 5.86 | 13 | PASS |
| | | HCH | 5.80 | 13 | PASS |

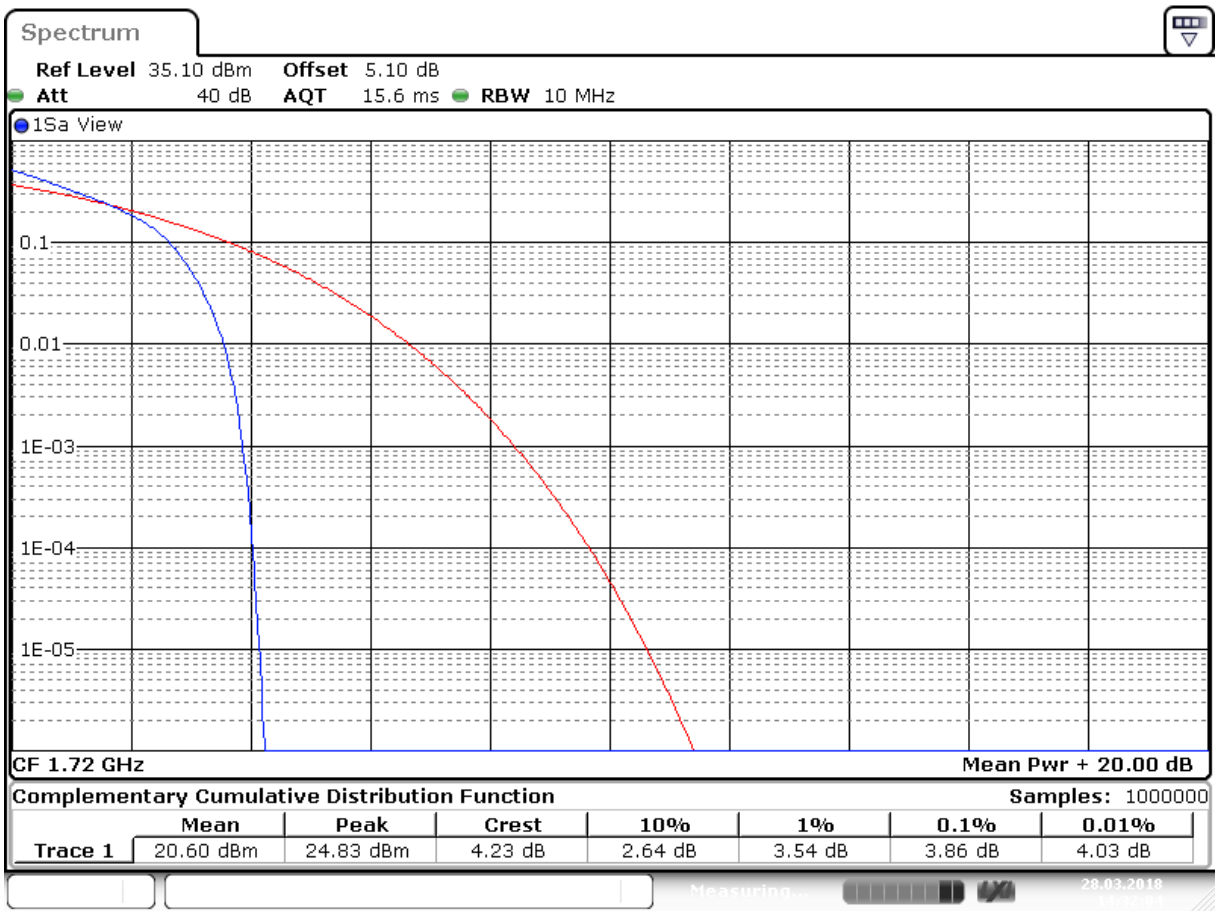
**Part II - Test Plots**

## 2.1 For LTE

### 2.1.1 Test Band = LTE BAND66

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

##### 2.1.1.1.1 Test Channel = LCH

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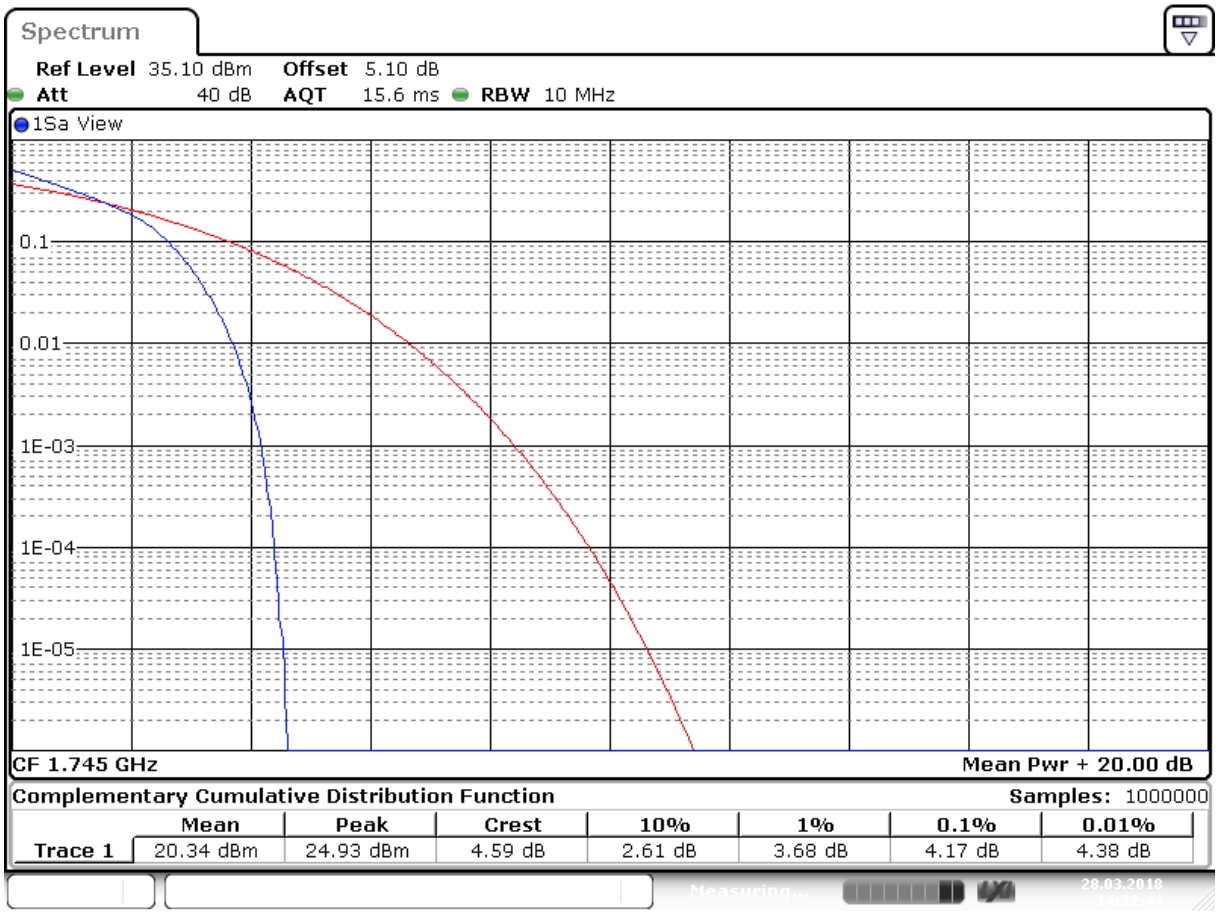
#### 2.1.1.1.2 Test Channel = MCH

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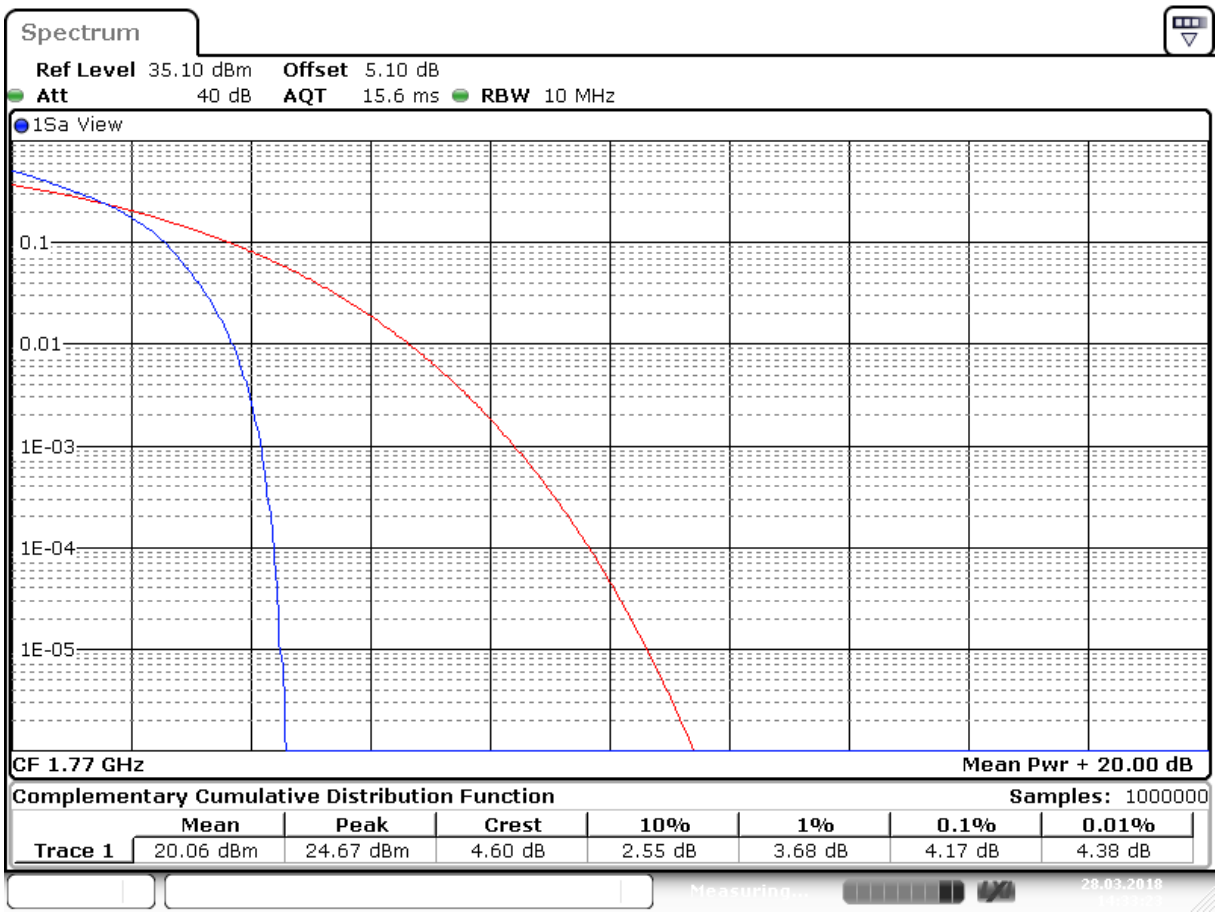
#### 2.1.1.1.3 Test Channel = HCH

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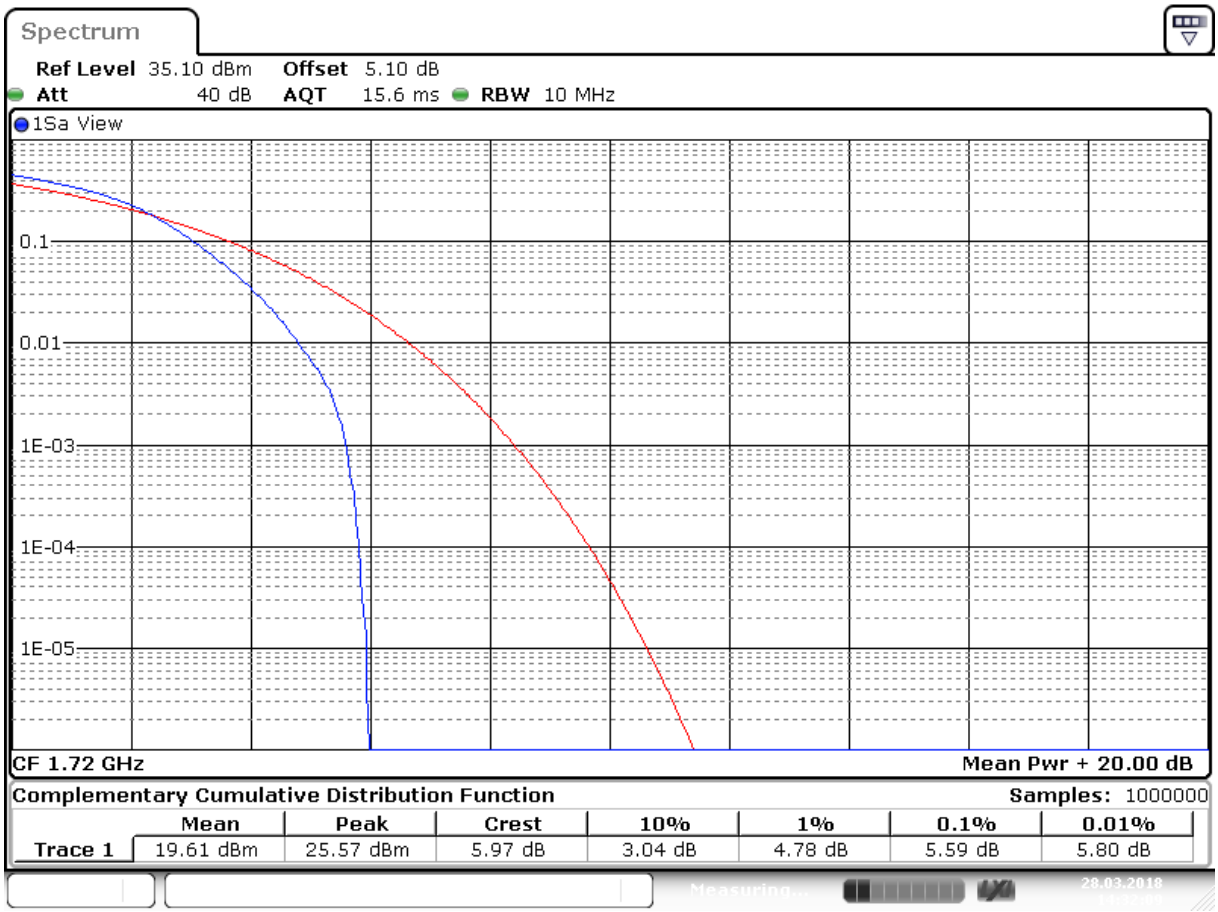
### 2.1.1.2 Test Mode = LTE/TM2.Bandwidth=20MHz

#### 2.1.1.2.1 Test Channel = LCH

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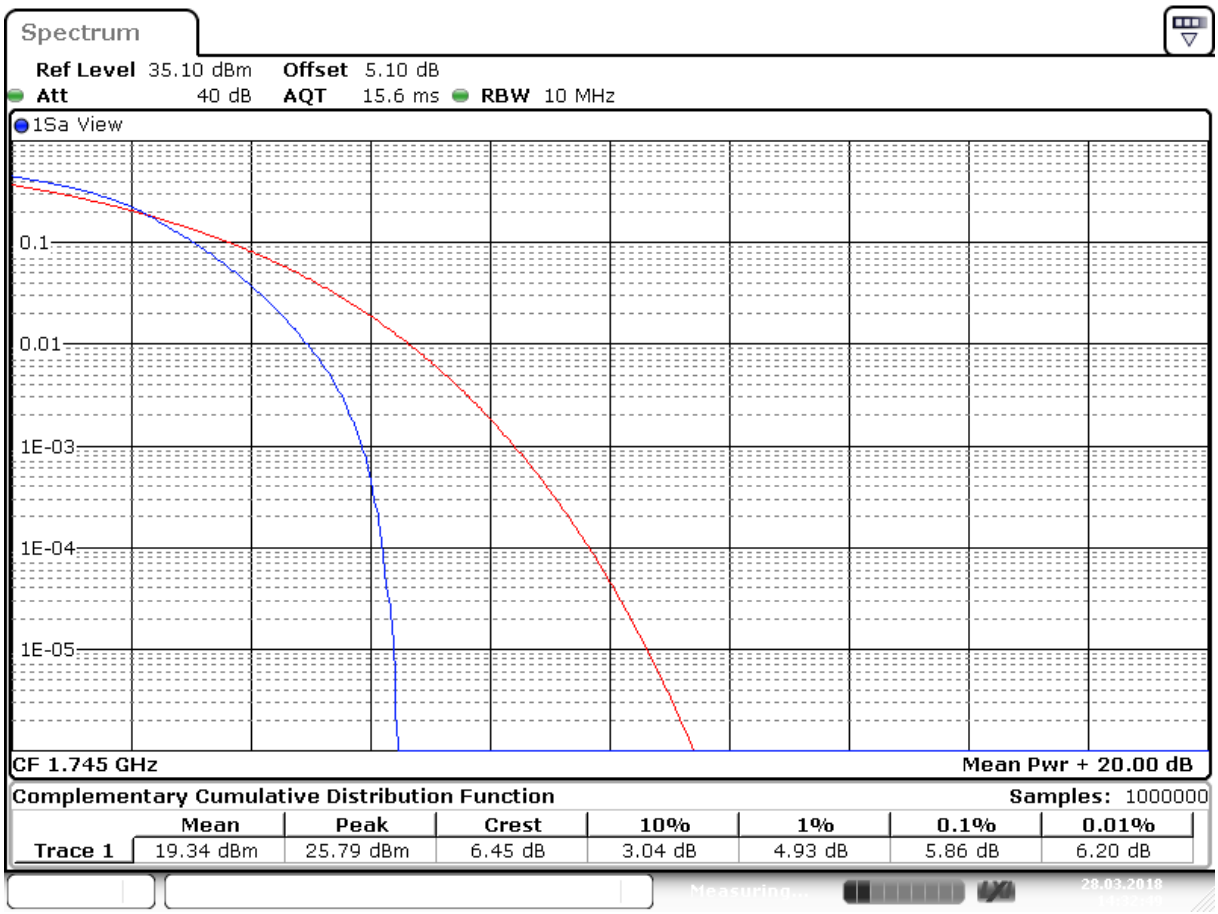
#### 2.1.1.2.2 Test Channel = MCH

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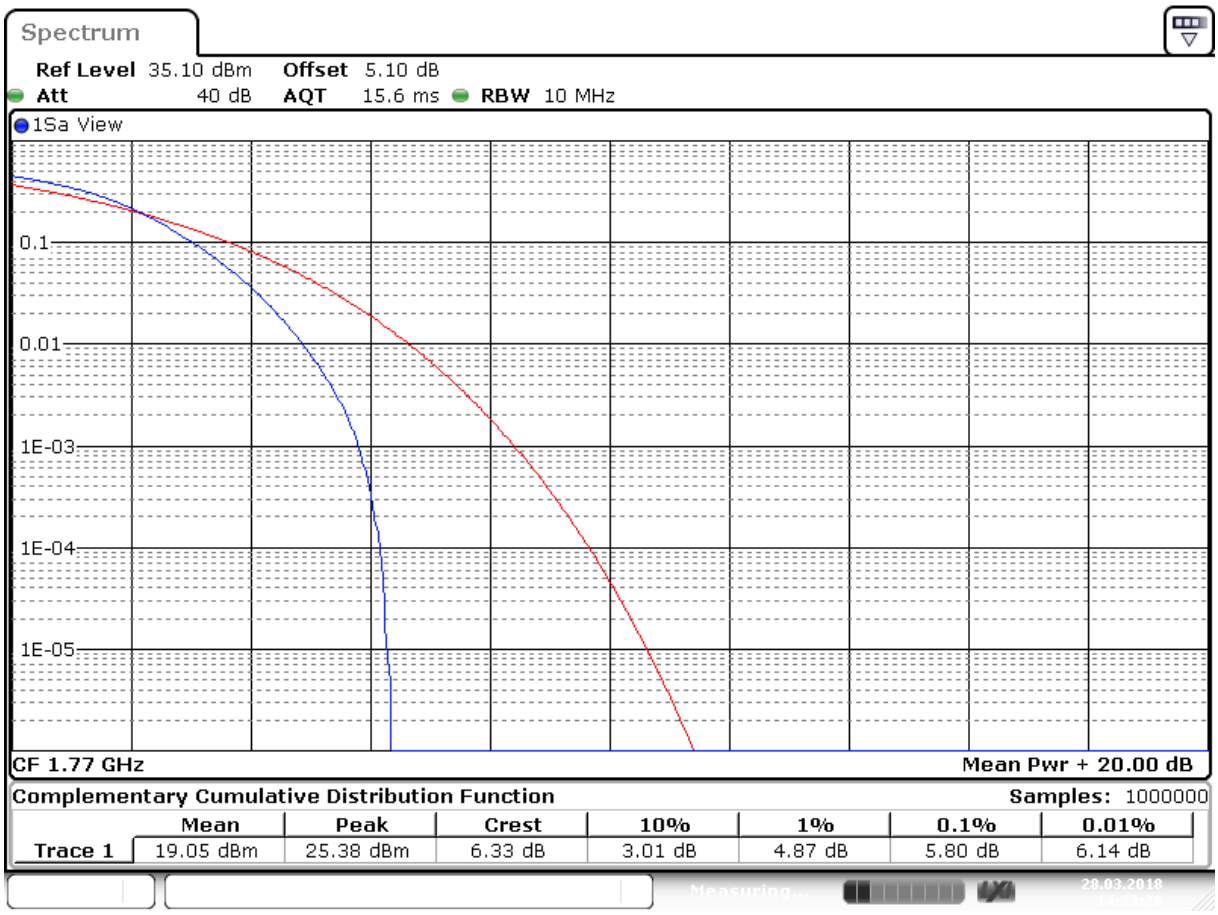
#### 2.1.1.2.3 Test Channel = HCH

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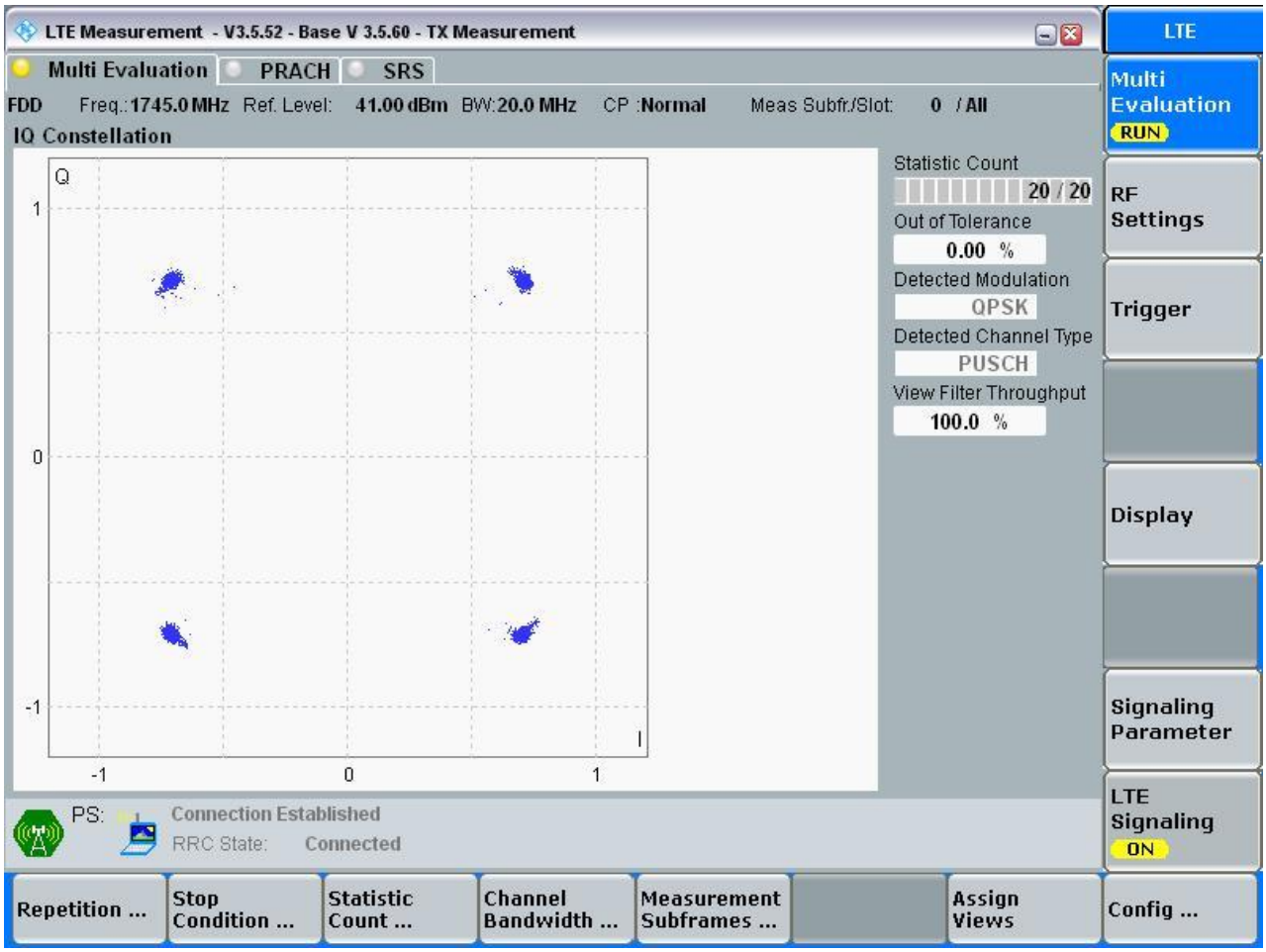
# 3 Modulation Characteristics

## 3.1 For LTE

### 3.1.1 Test Band = LTE BAND66

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

##### 3.1.1.1.1 Test Channel = MCH

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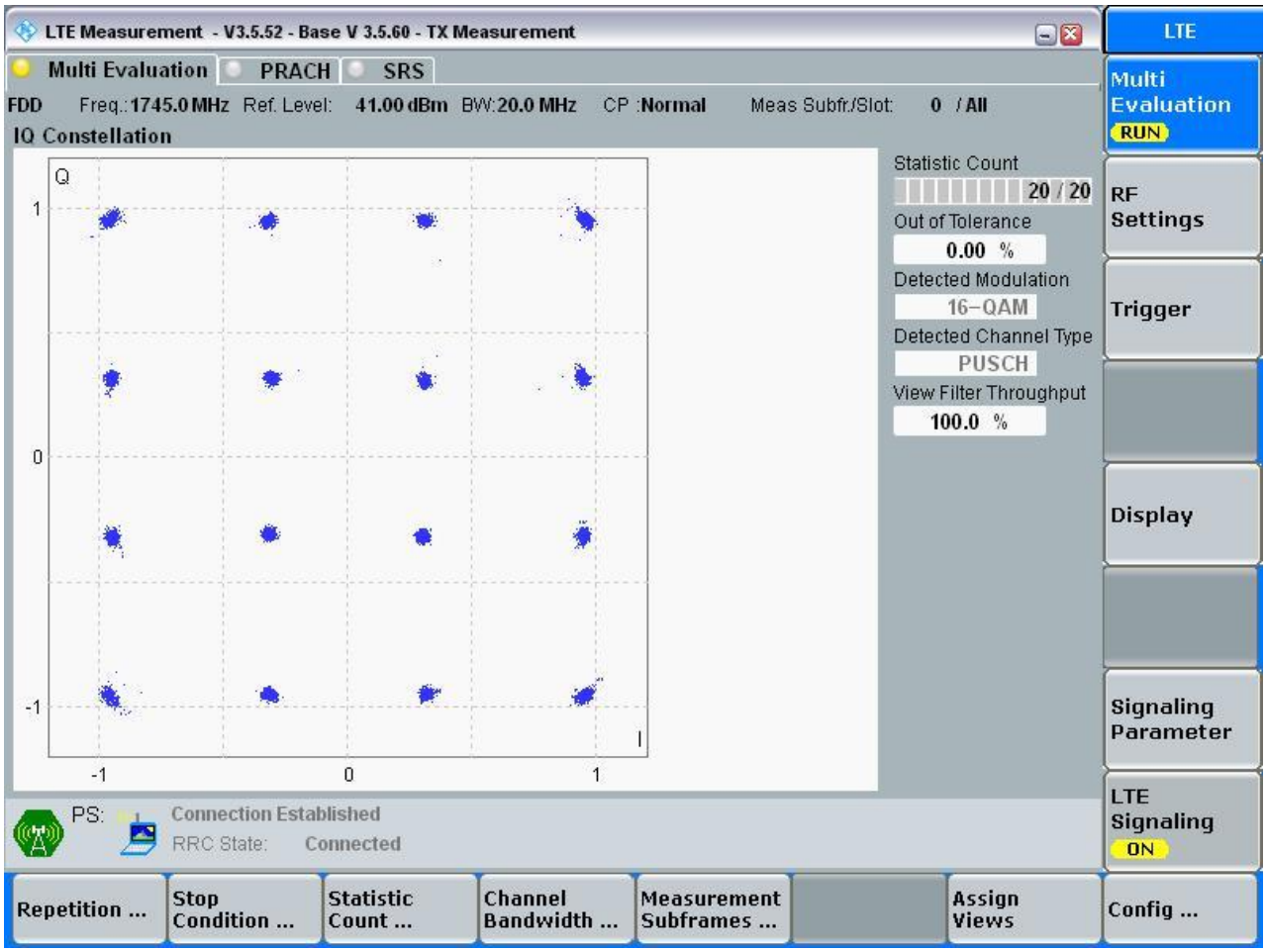
### 3.1.1.2 Test Mode = LTE /TM2 20MHz

#### 3.1.1.2.1 Test Channel = MCH

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# 4 Bandwidth

**Part I - Test Results**

| Test Band | Test Mode | Test Channel | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|---|---|---|---|---|---|
| BAND66 | TM1/1.4MHz | LCH | 1.088 | 1.212 | PASS |
| | | MCH | 1.085 | 1.218 | PASS |
| | | HCH | 1.088 | 1.215 | PASS |
| | TM2/1.4MHz | LCH | 1.088 | 1.239 | PASS |
| | | MCH | 1.088 | 1.233 | PASS |
| | | HCH | 1.091 | 1.233 | PASS |
| | TM1/ 3MHz | LCH | 2.697 | 2.862 | PASS |
| | | MCH | 2.697 | 2.838 | PASS |
| | | HCH | 2.697 | 2.868 | PASS |
| | TM2/3MHz | LCH | 2.697 | 2.874 | PASS |
| | | MCH | 2.697 | 2.856 | PASS |
| | | HCH | 2.691 | 2.868 | PASS |
| | TM1/ 5MHz | LCH | 4.476 | 4.760 | PASS |
| | | MCH | 4.466 | 4.720 | PASS |
| | | HCH | 4.476 | 4.740 | PASS |
| | TM2/ 5MHz | LCH | 4.476 | 4.720 | PASS |
| | | MCH | 4.476 | 4.790 | PASS |
| | | HCH | 4.476 | 4.710 | PASS |
| | TM1/10MHz | LCH | 8.951 | 9.340 | PASS |
| | | MCH | 8.951 | 9.300 | PASS |
| | | HCH | 8.951 | 9.280 | PASS |
| | TM2/ 10MHz | LCH | 8.931 | 9.300 | PASS |
| | | MCH | 8.951 | 9.280 | PASS |
| | | HCH | 8.951 | 9.300 | PASS |
| | TM1/ 15MHz | LCH | 13.457 | 14.280 | PASS |
| | | MCH | 13.487 | 14.280 | PASS |
| | | HCH | 13.516 | 14.280 | PASS |
| | TM2/ 15MHz | LCH | 13.457 | 14.280 | PASS |
| | | MCH | 13.487 | 14.280 | PASS |
| | | HCH | 13.487 | 14.280 | PASS |
| | TM1/ 20MHz | LCH | 17.942 | 18.800 | PASS |
| | | MCH | 17.902 | 18.800 | PASS |
| | | HCH | 17.942 | 18.800 | PASS |
| | TM2/ 20MHz | LCH | 17.942 | 18.800 | PASS |
| | | MCH | 17.902 | 18.800 | PASS |
| | | HCH | 17.942 | 18.800 | PASS |

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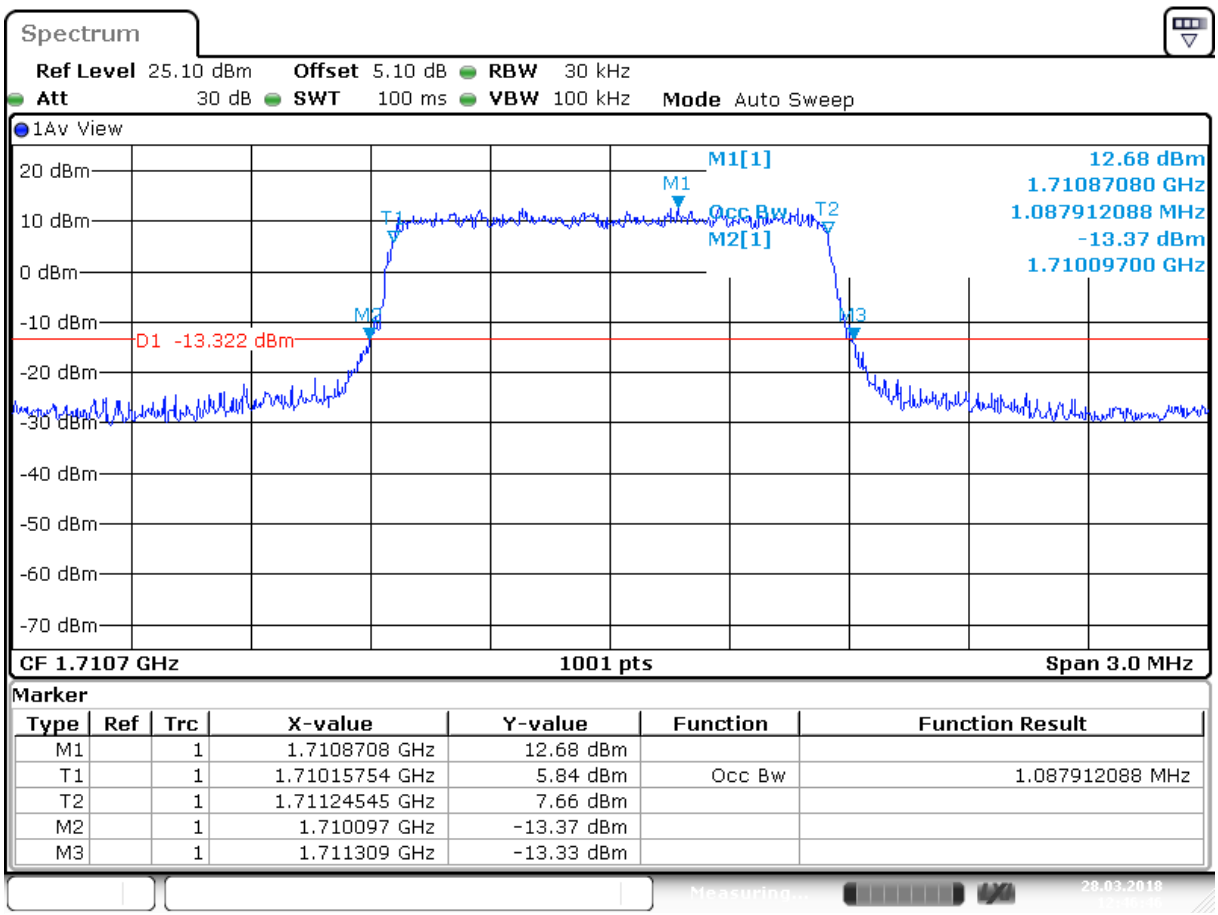
# 4.1 For LTE

## 4.1.1 Test Band = LTE BAND66

### 4.1.1.1 Test Mode = LTE/TM1 1.4MHz

#### 4.1.1.1.1 Test Channel = LCH

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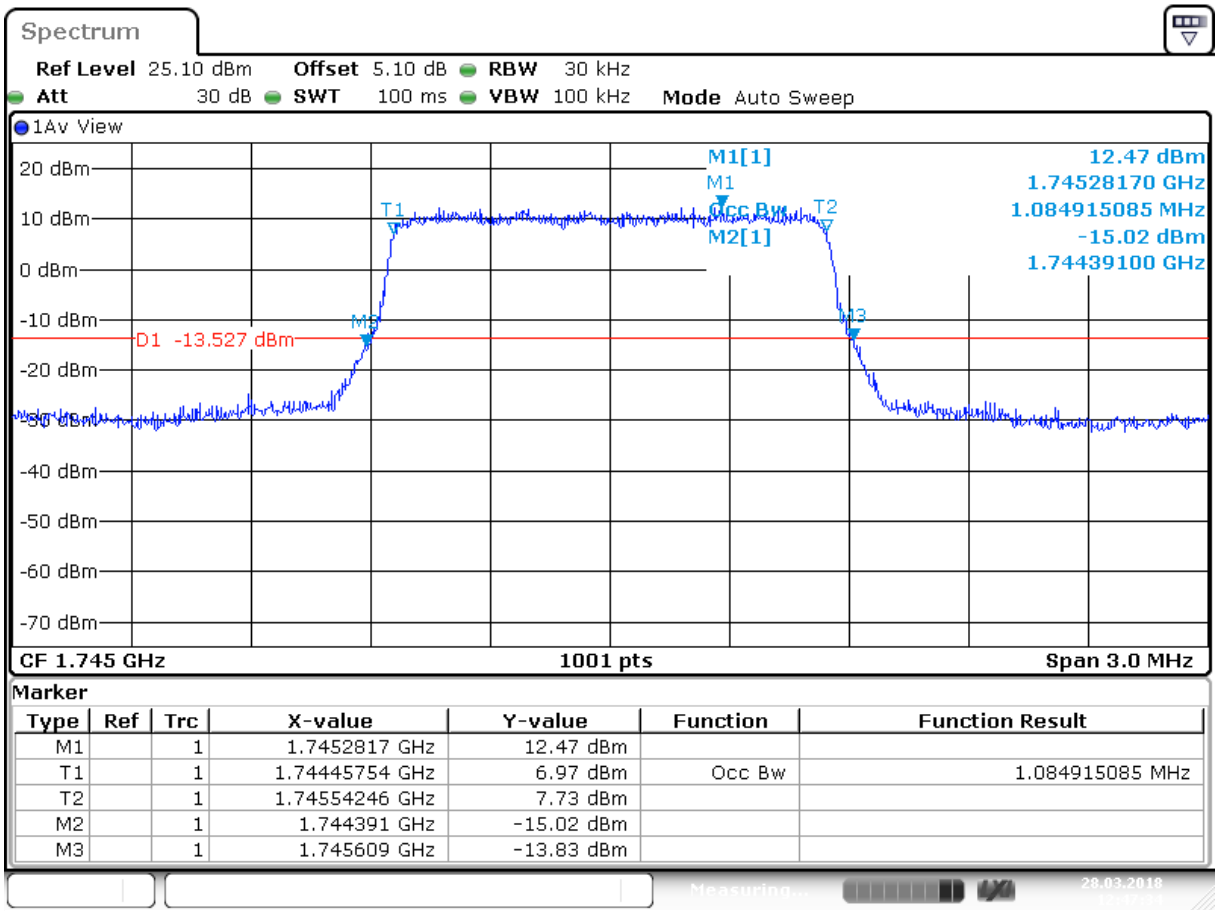
#### 4.1.1.1.2 Test Channel = MCH

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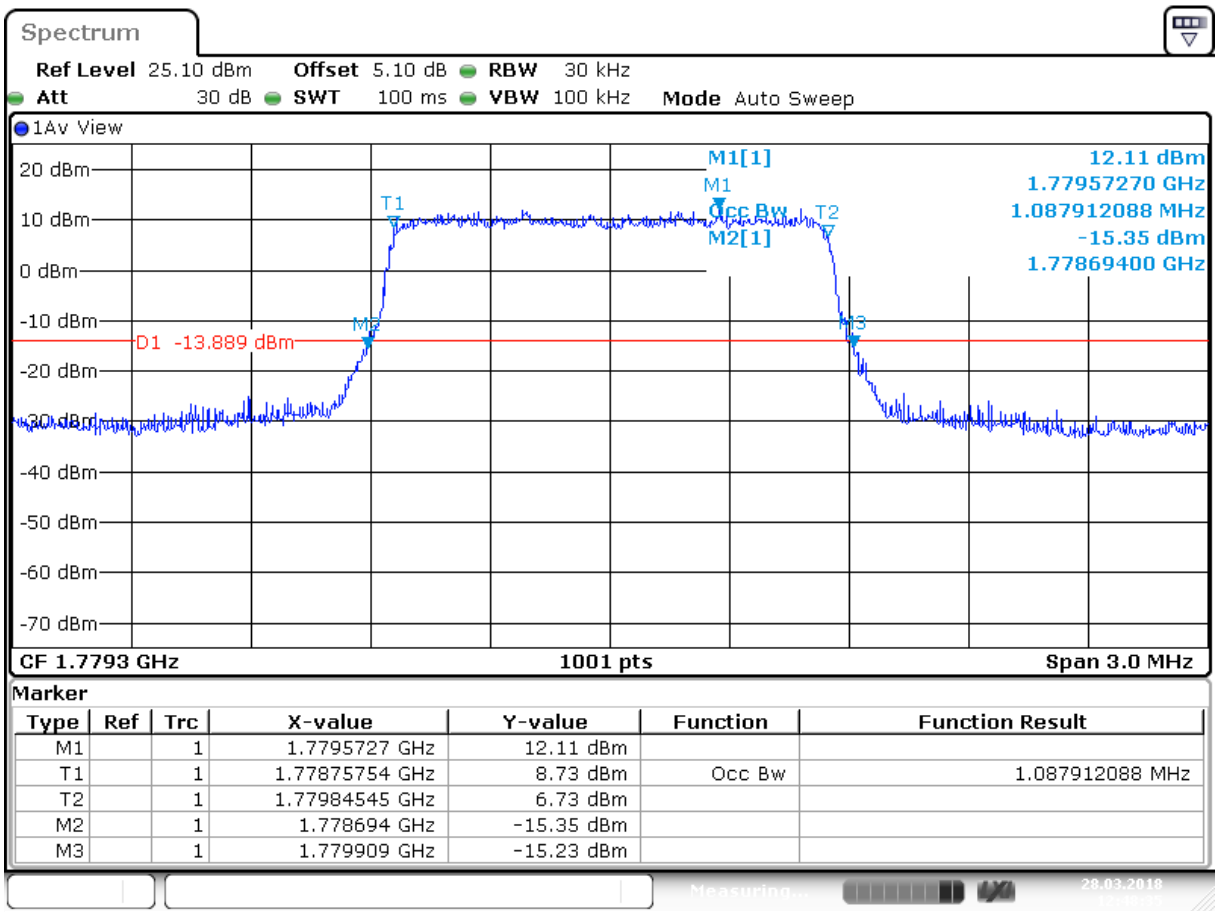
#### 4.1.1.1.3 Test Channel = HCH

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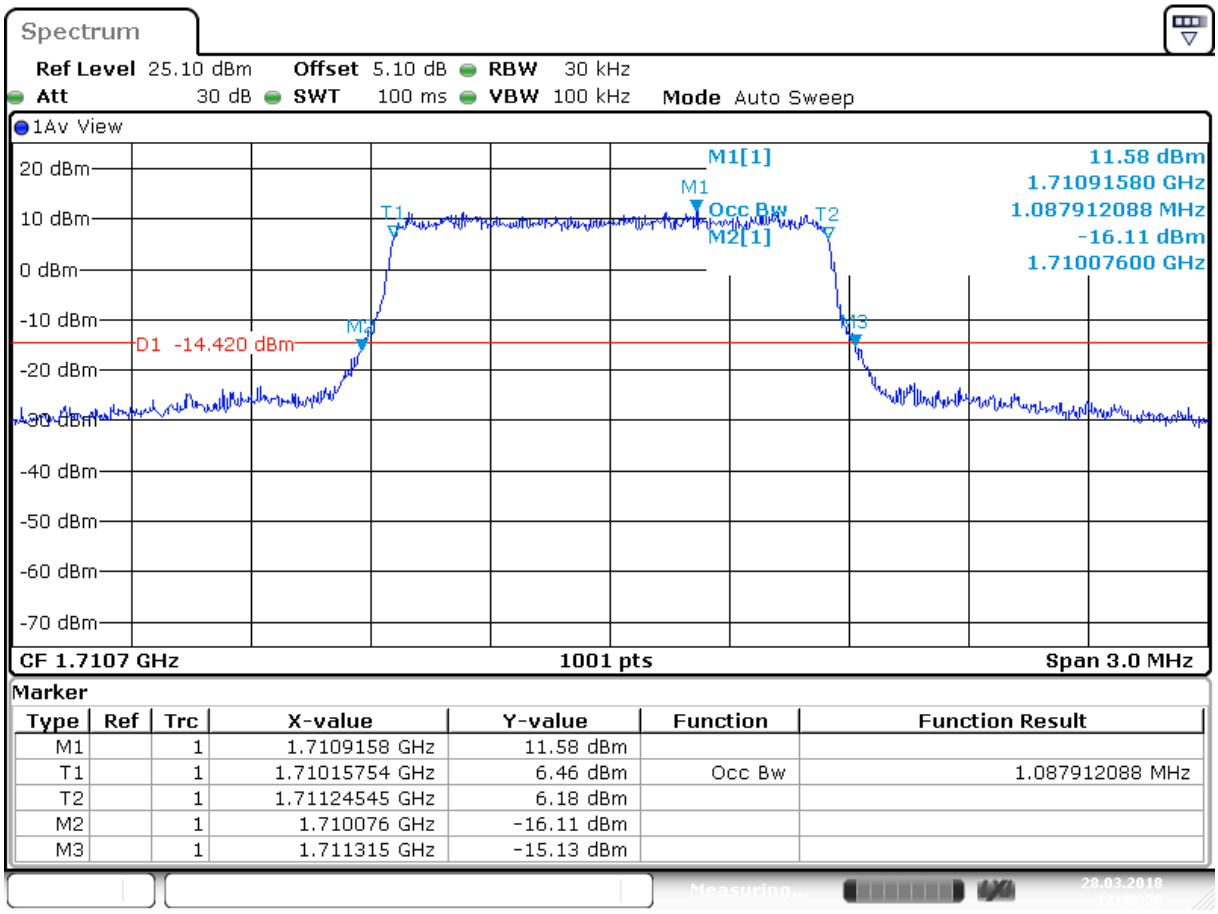
### 4.1.1.2 Test Mode = LTE/TM2 1.4MHz

#### 4.1.1.2.1 Test Channel = LCH

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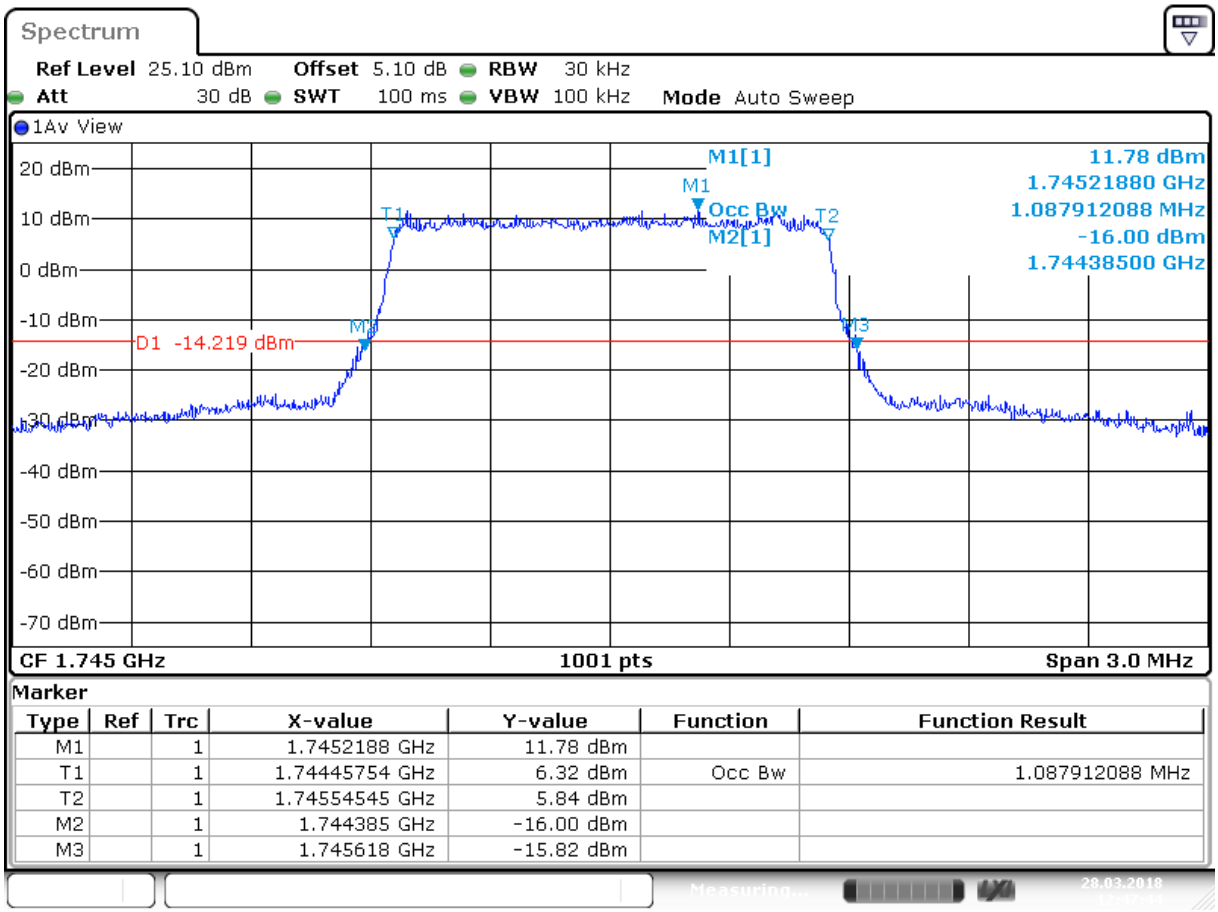
#### 4.1.1.2.2 Test Channel = MCH

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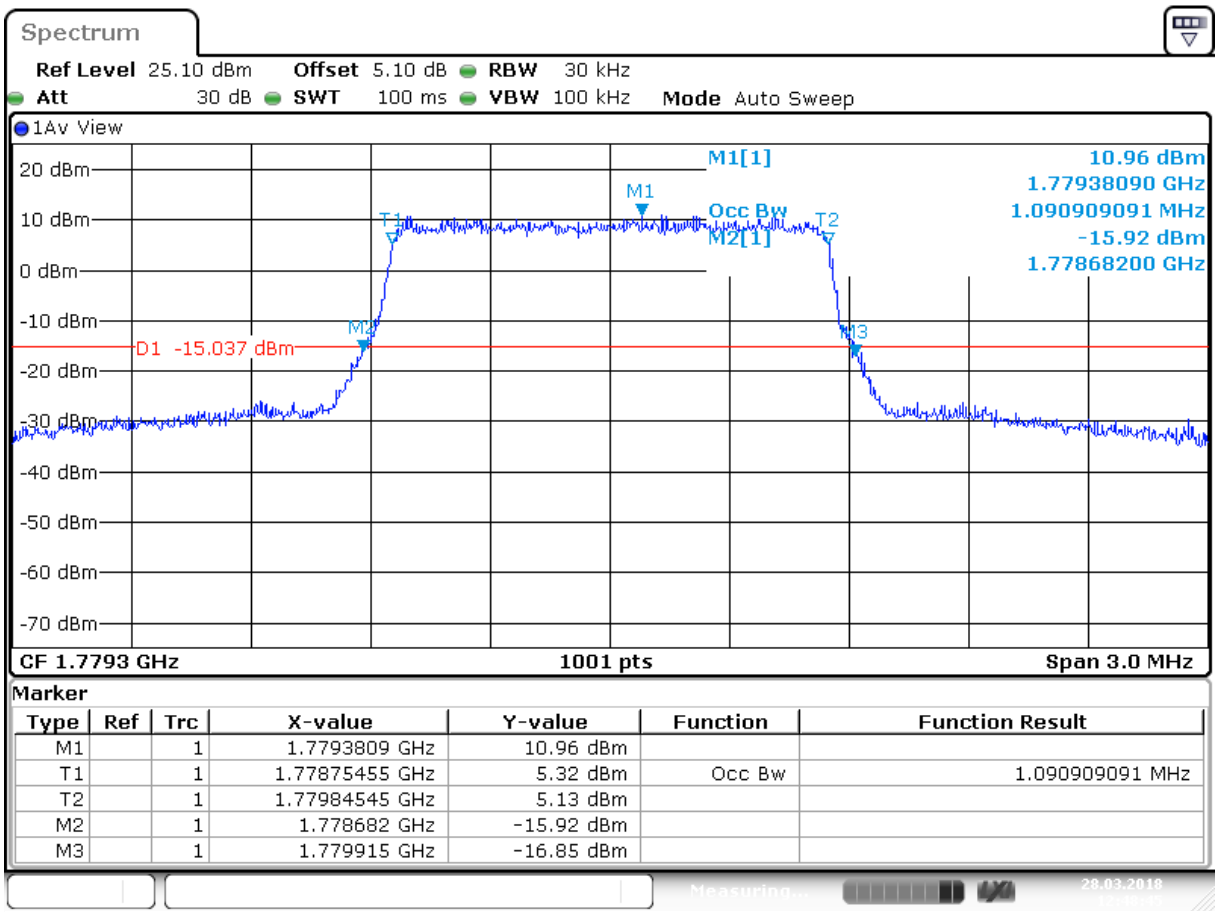
#### 4.1.1.2.3 Test Channel = HCH

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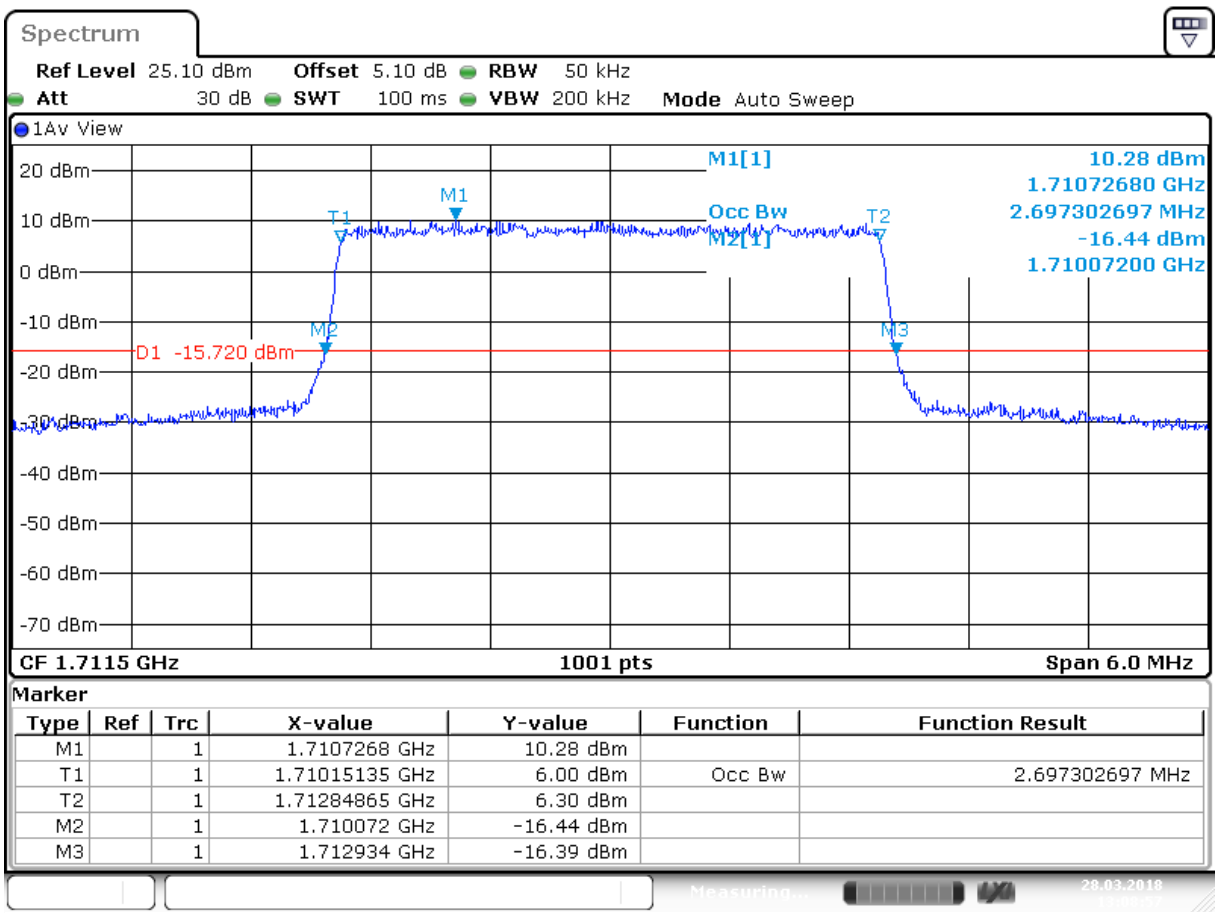
#### 4.1.1.3 Test Mode = LTE/TM1 3MHz

##### 4.1.1.3.1 Test Channel = LCH

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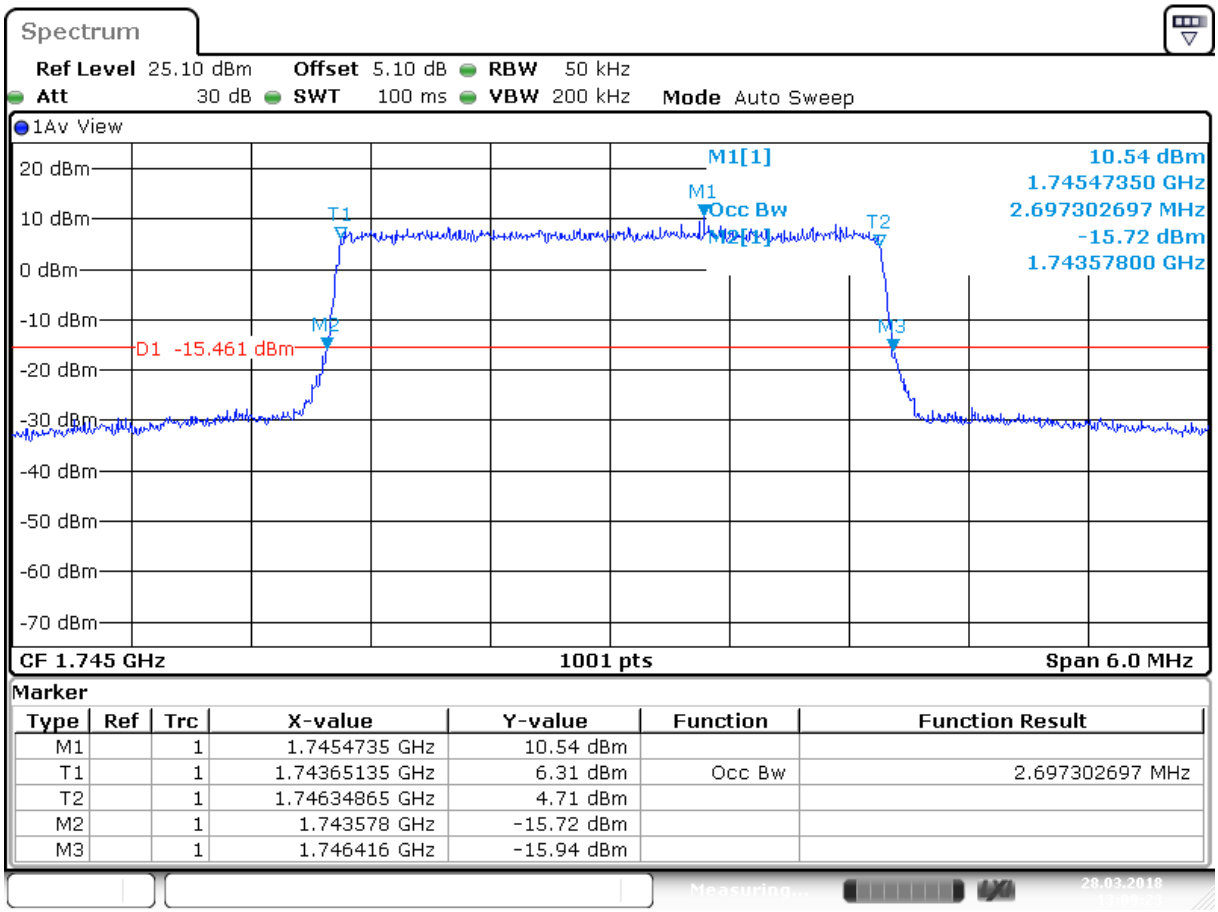
#### 4.1.1.3.2 Test Channel = MCH

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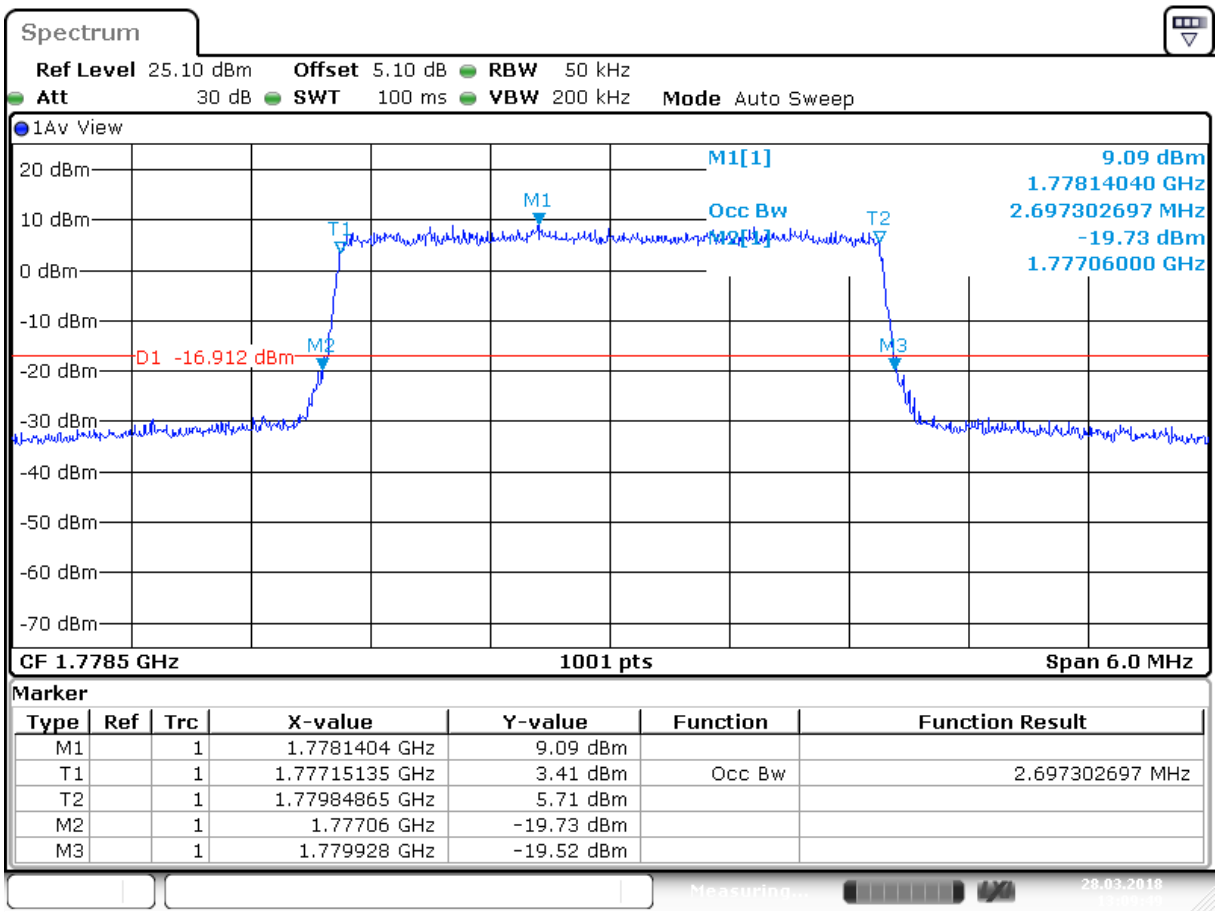
#### 4.1.1.3.3 Test Channel = HCH

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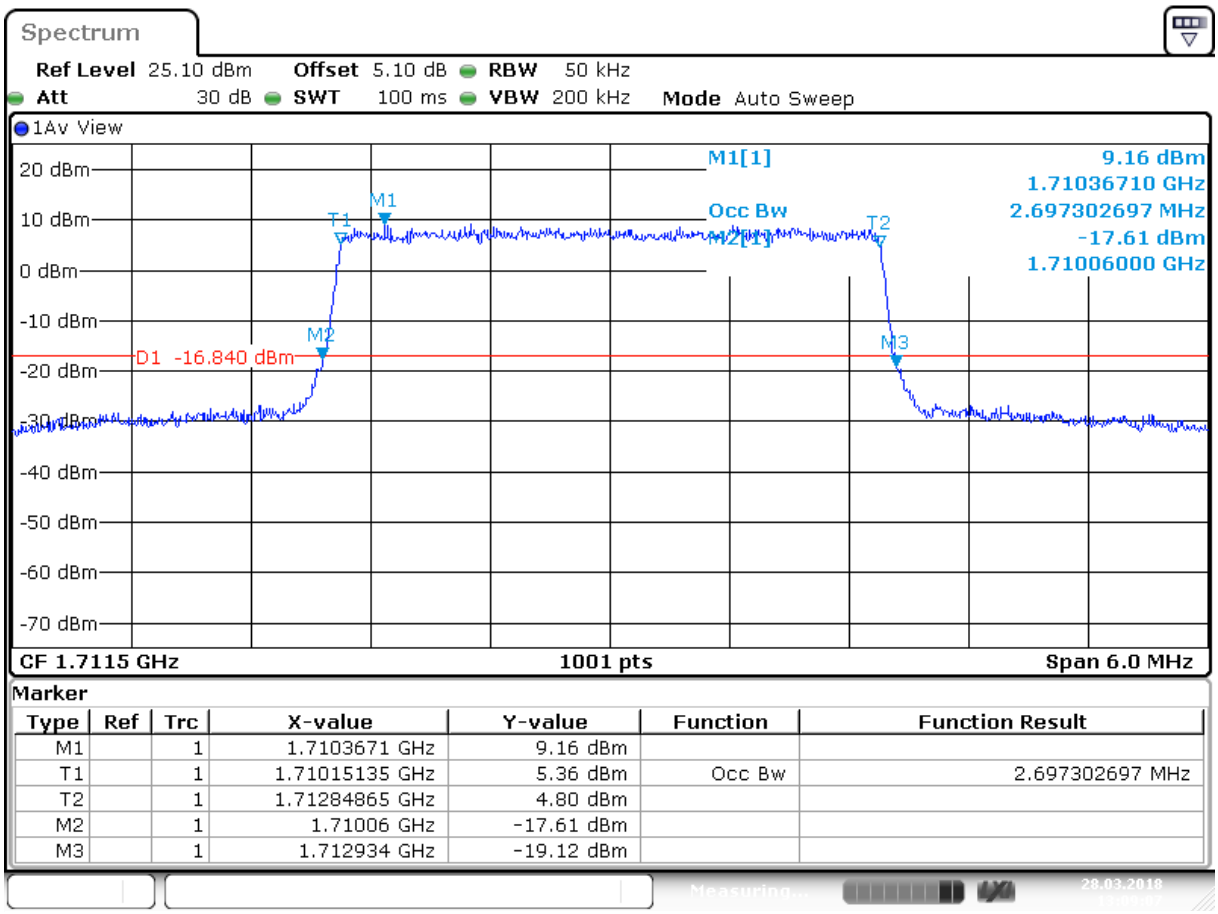
#### 4.1.1.4 Test Mode = LTE/TM2 3MHz

##### 4.1.1.4.1 Test Channel = LCH

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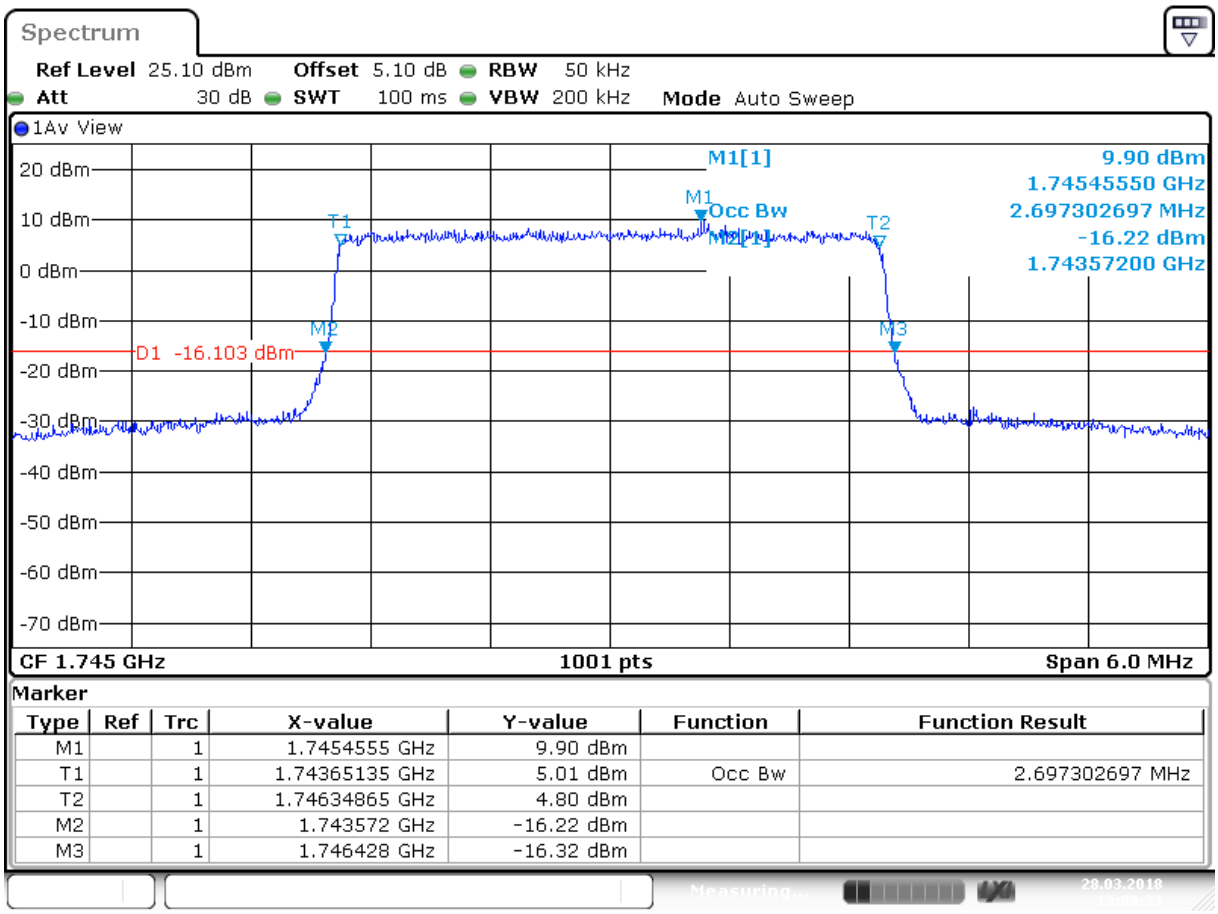
#### 4.1.1.4.2 Test Channel = MCH

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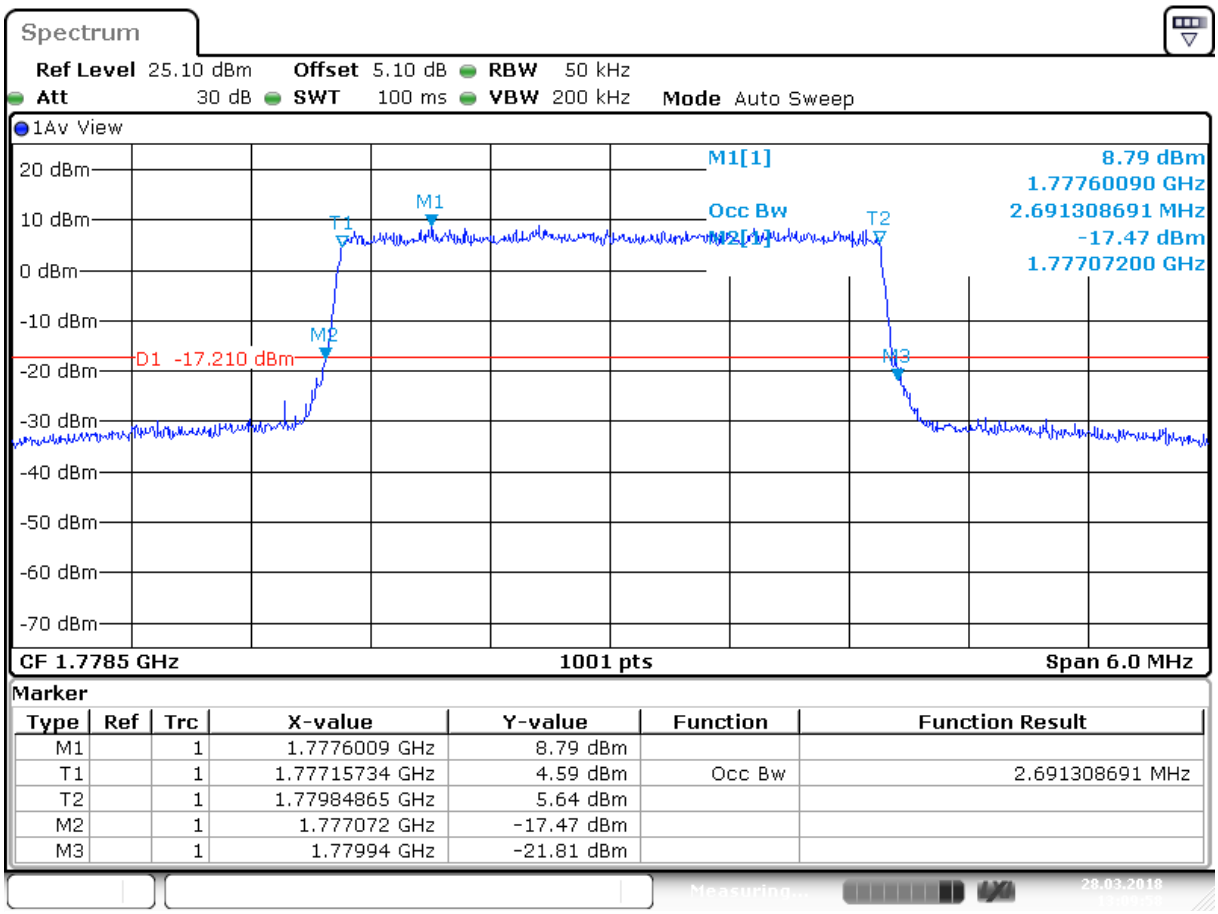
#### 4.1.1.4.3 Test Channel = HCH

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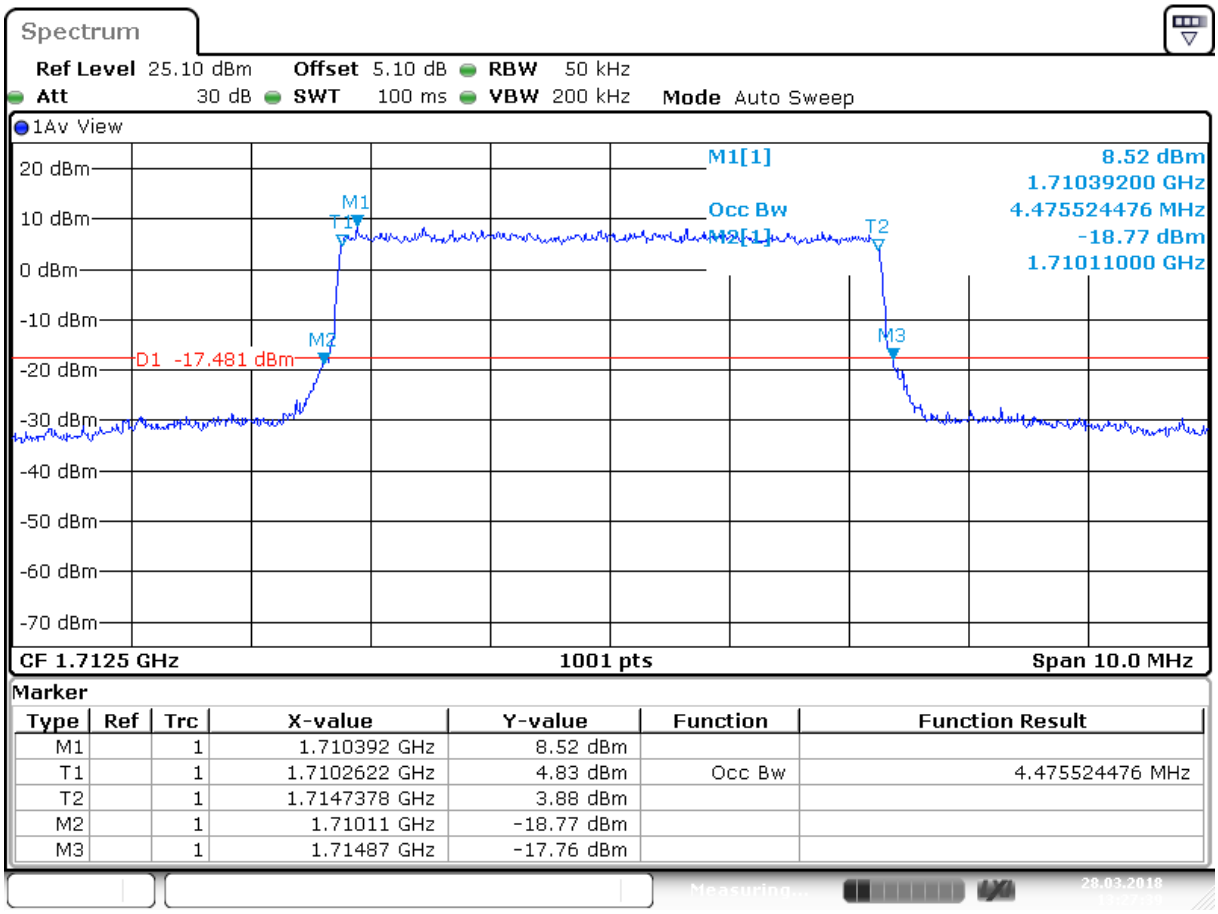
### 4.1.1.5 Test Mode = LTE/TM1 5MHz

#### 4.1.1.5.1 Test Channel = LCH

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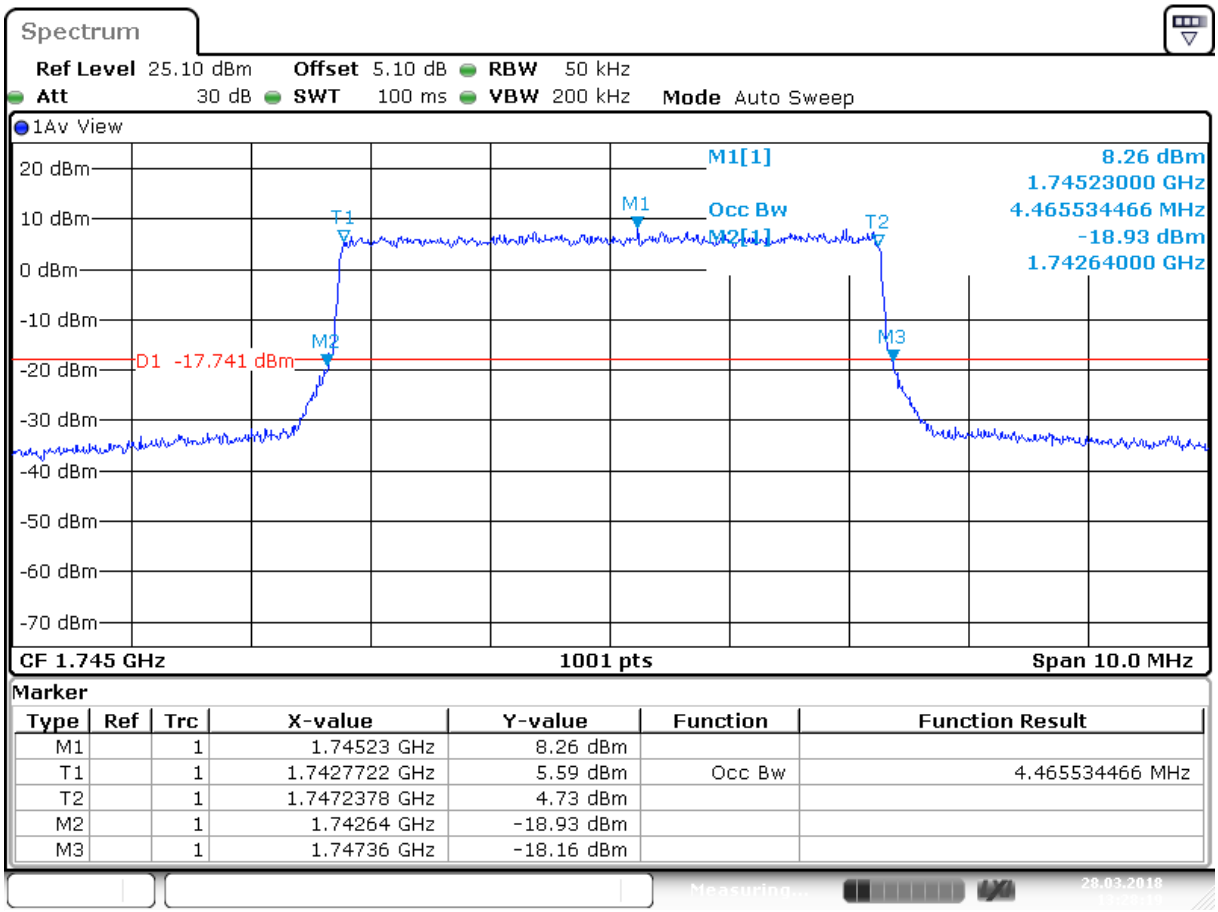
#### 4.1.1.5.2 Test Channel = MCH

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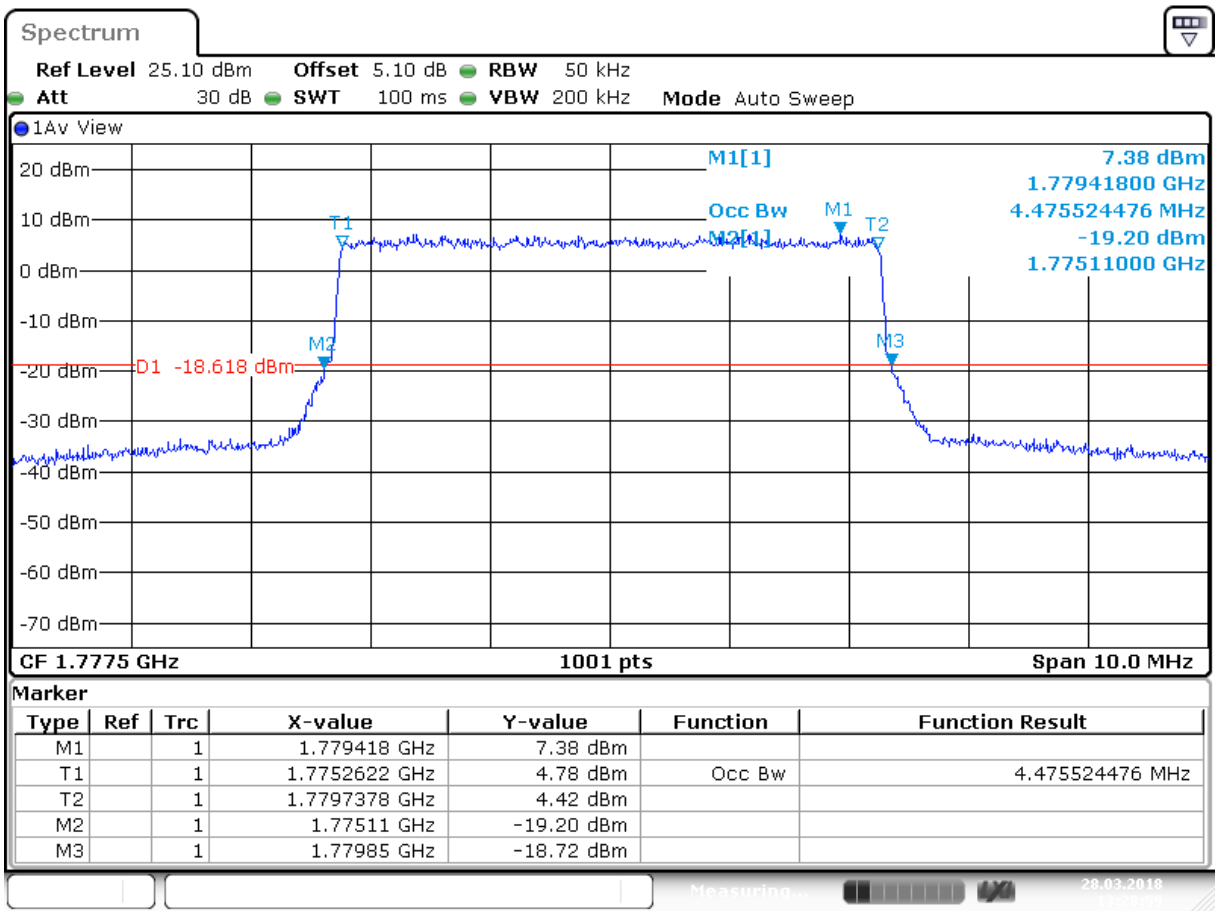
#### 4.1.1.5.3 Test Channel = HCH

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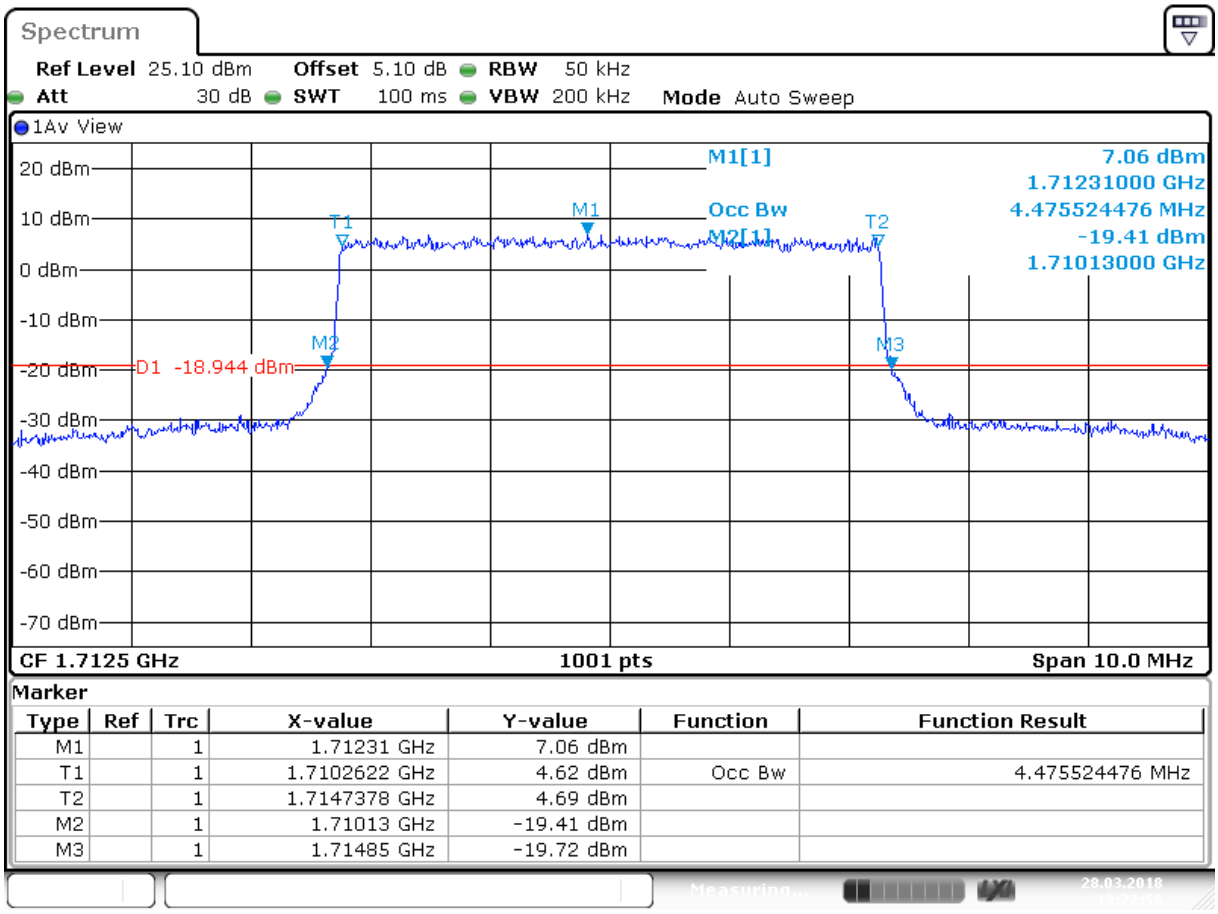
#### 4.1.1.6 Test Mode = LTE/TM2 5MHz

##### 4.1.1.6.1 Test Channel = LCH

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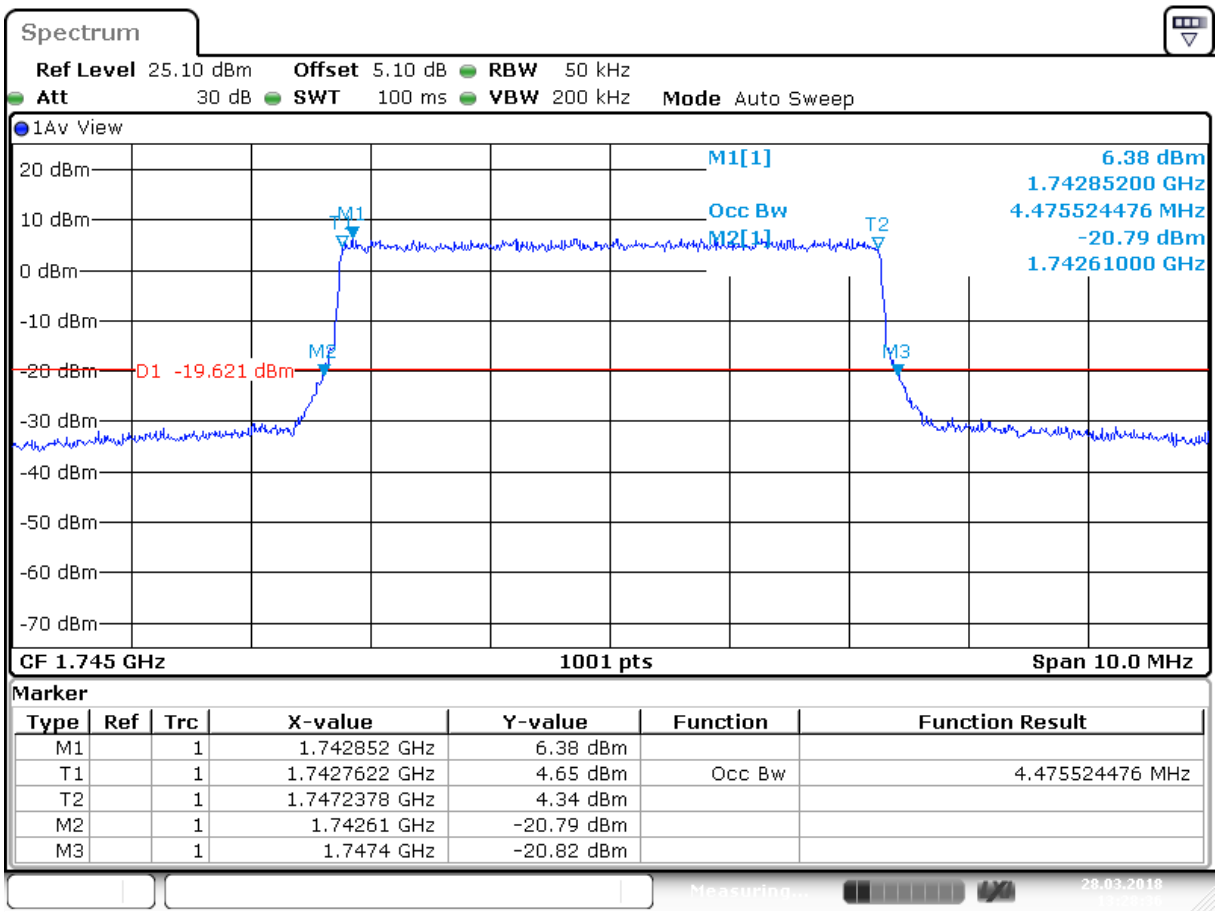
#### 4.1.1.6.2 Test Channel = MCH

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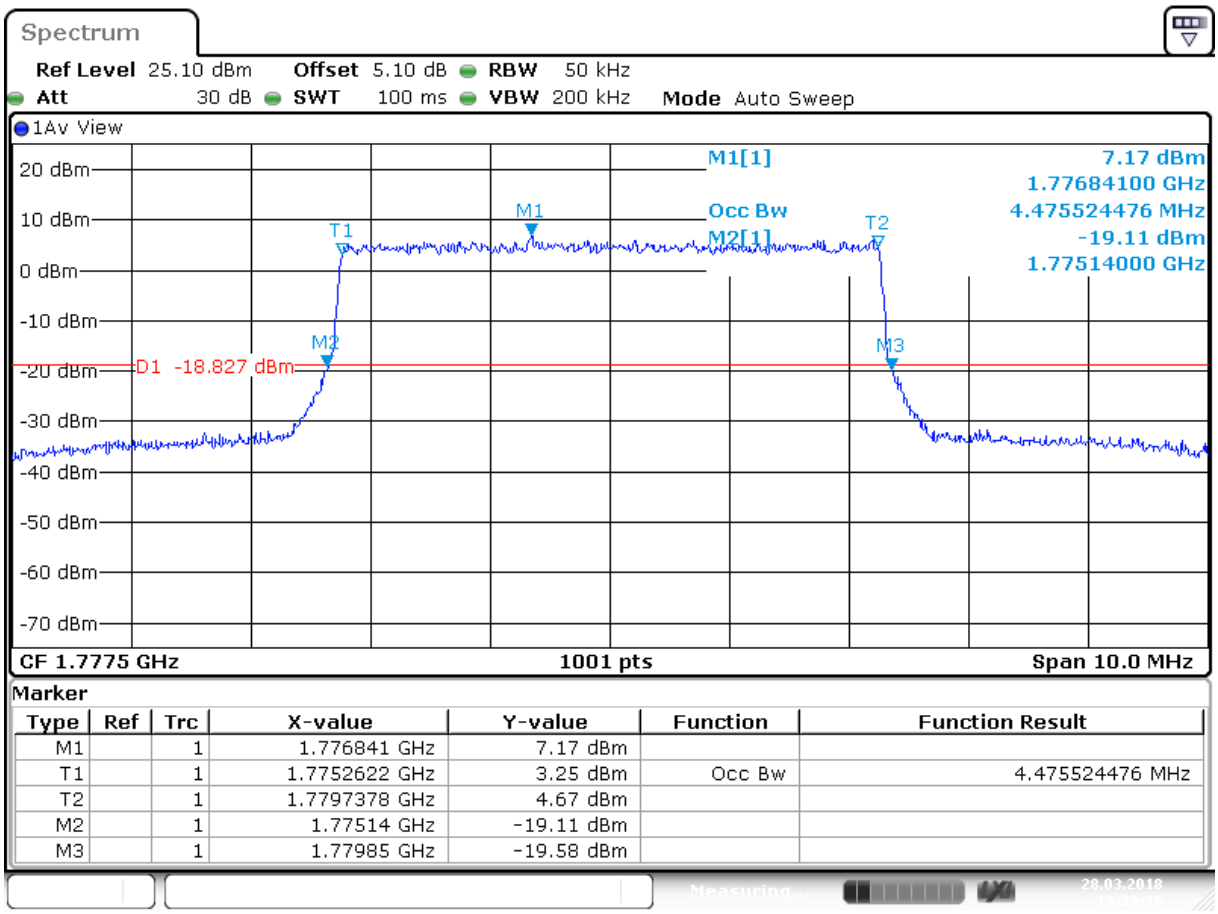
#### 4.1.1.6.3 Test Channel = HCH

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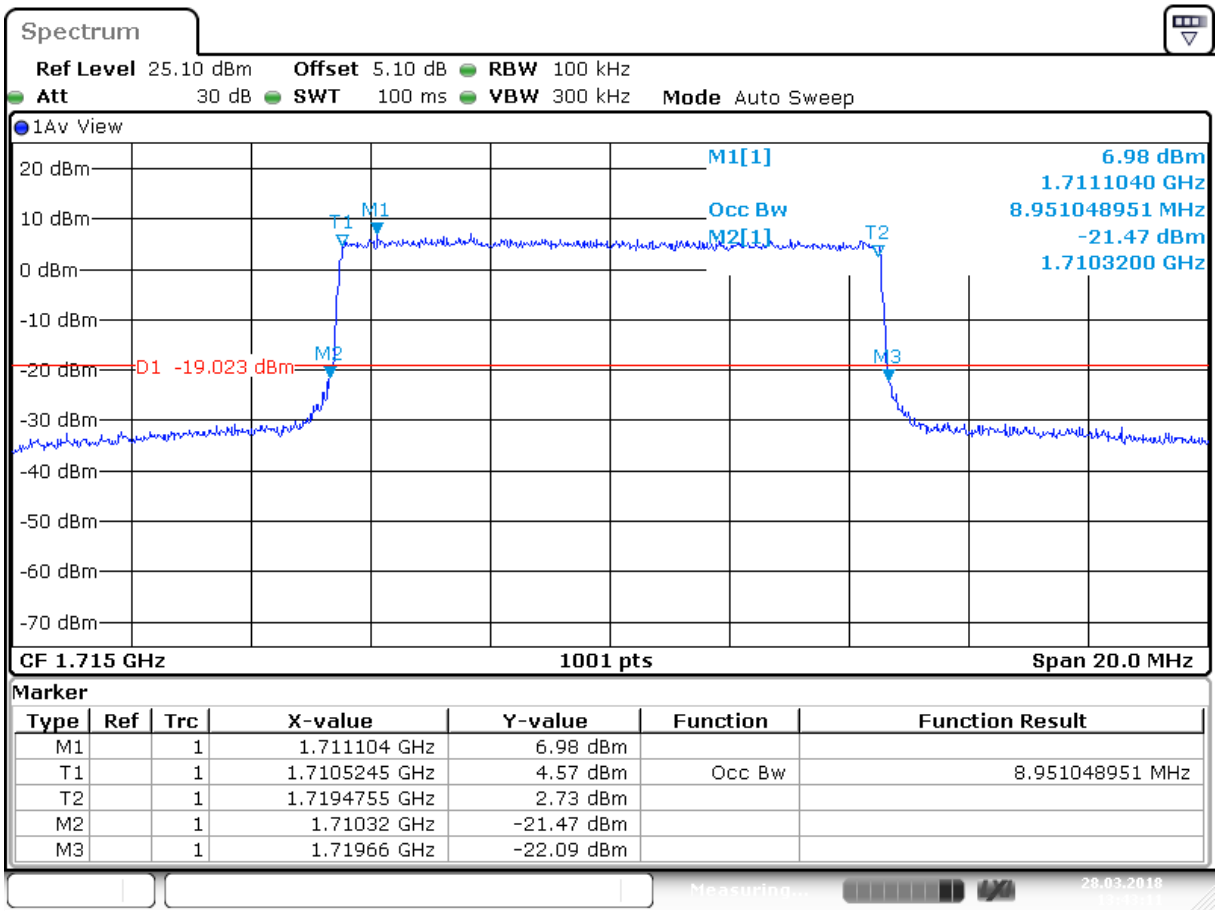
#### 4.1.1.7 Test Mode = LTE/TM1 10MHz

##### 4.1.1.7.1 Test Channel = LCH

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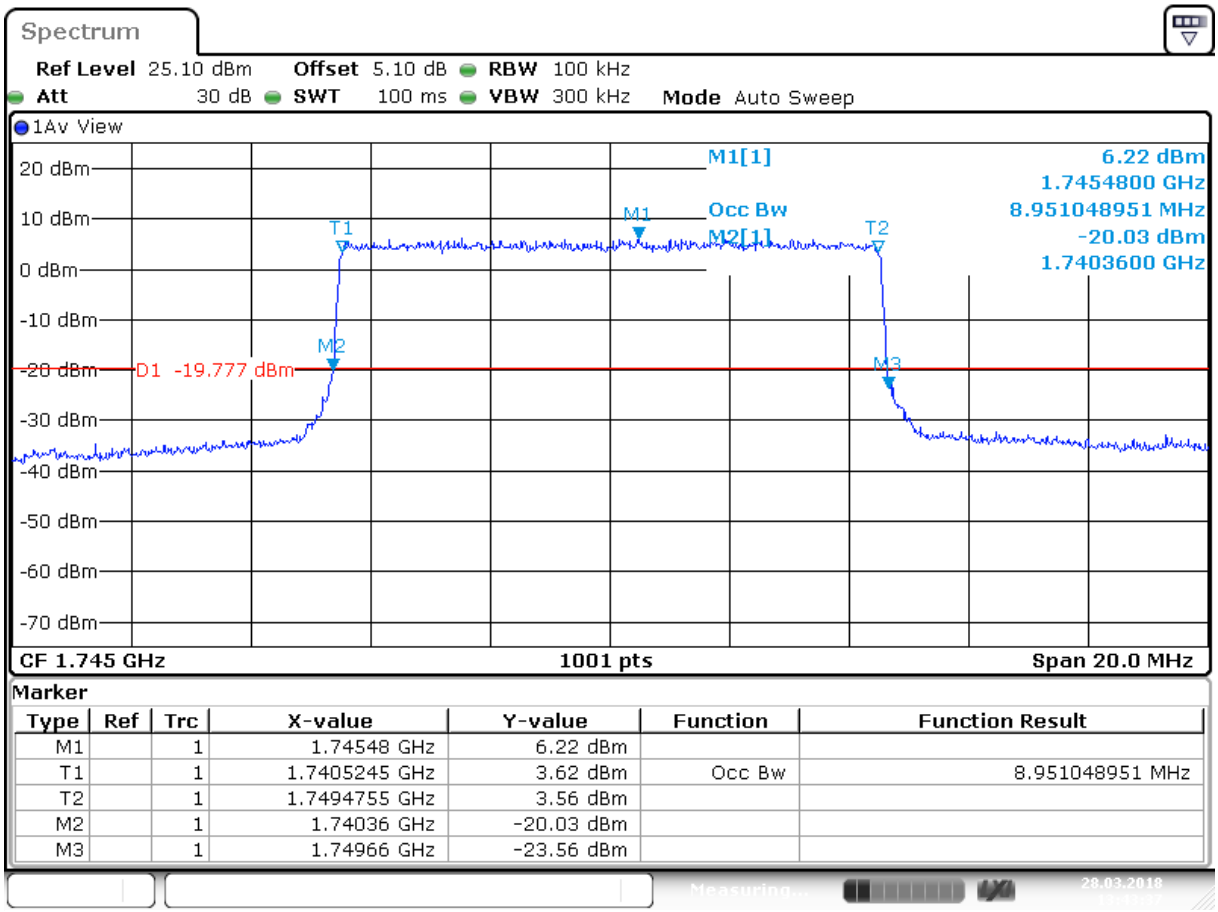
#### 4.1.1.7.2 Test Channel = MCH

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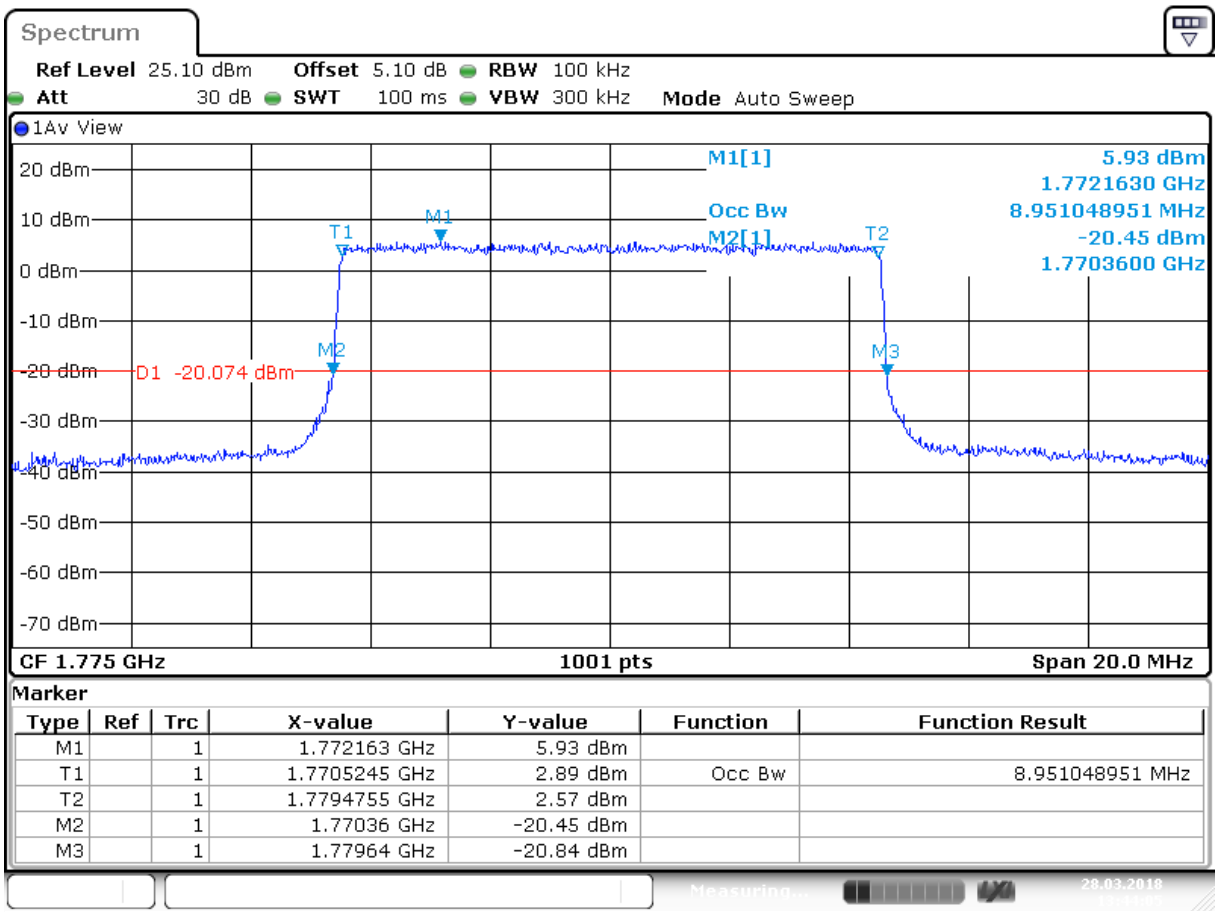
#### 4.1.1.7.3 Test Channel = HCH

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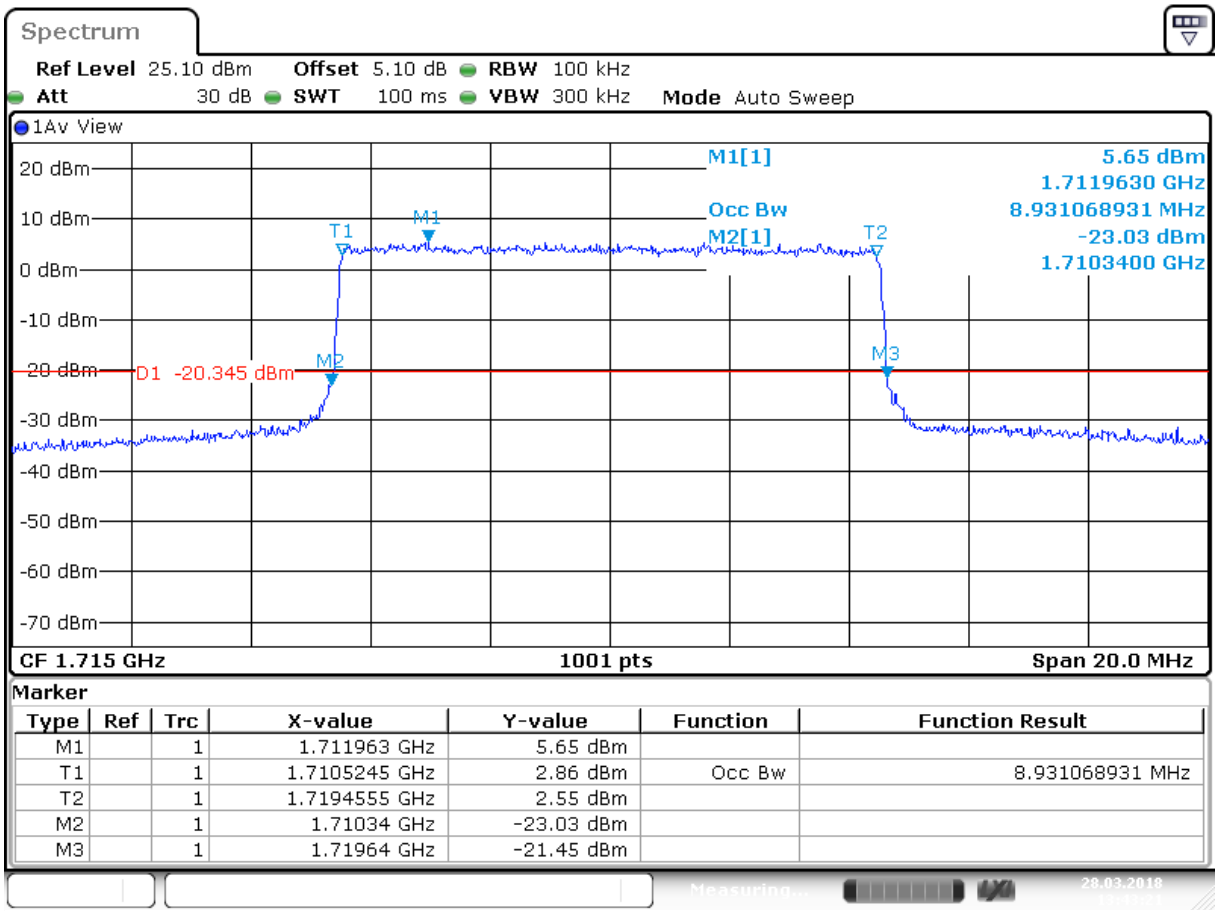
#### 4.1.1.8 Test Mode = LTE/TM2 10MHz

##### 4.1.1.8.1 Test Channel = LCH

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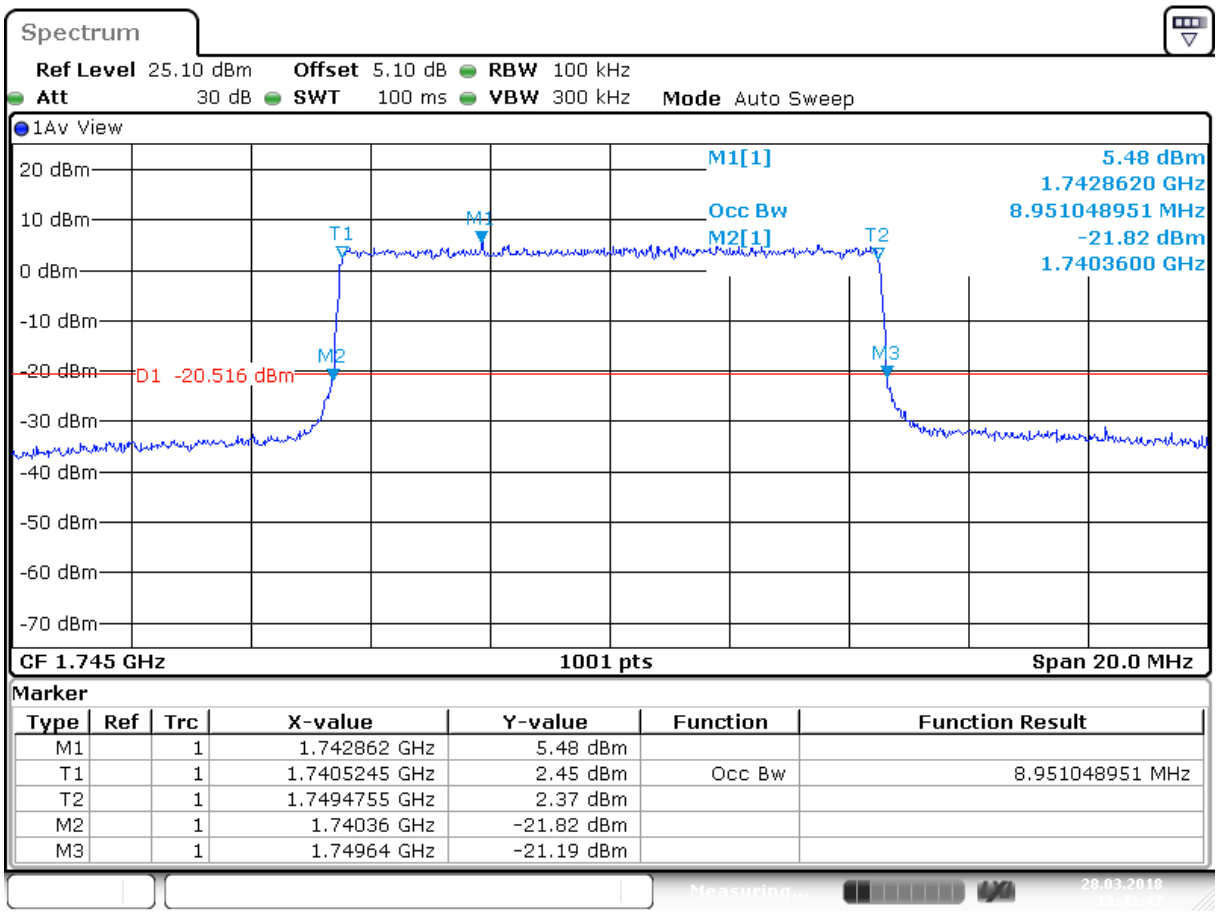
#### 4.1.1.8.2 Test Channel = MCH

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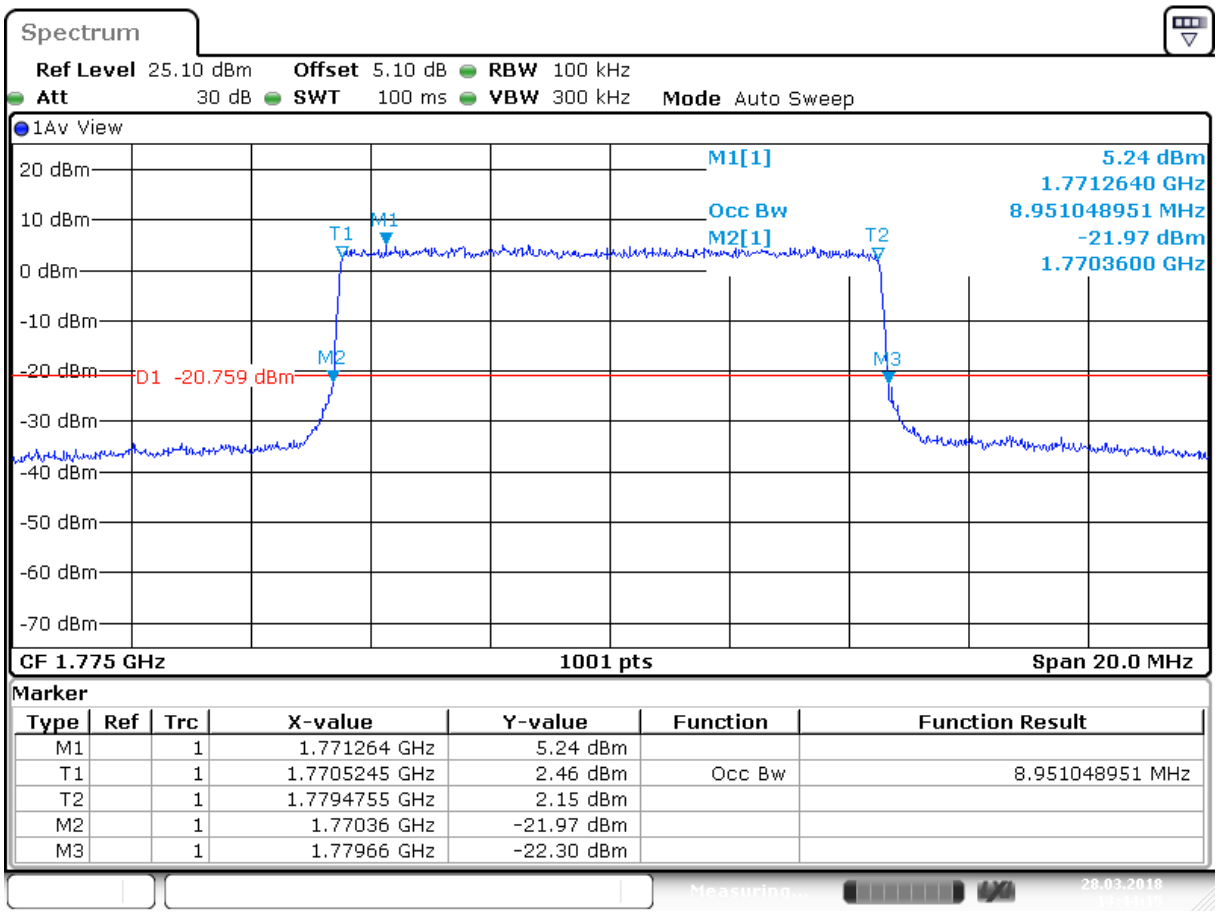
#### 4.1.1.8.3 Test Channel = HCH

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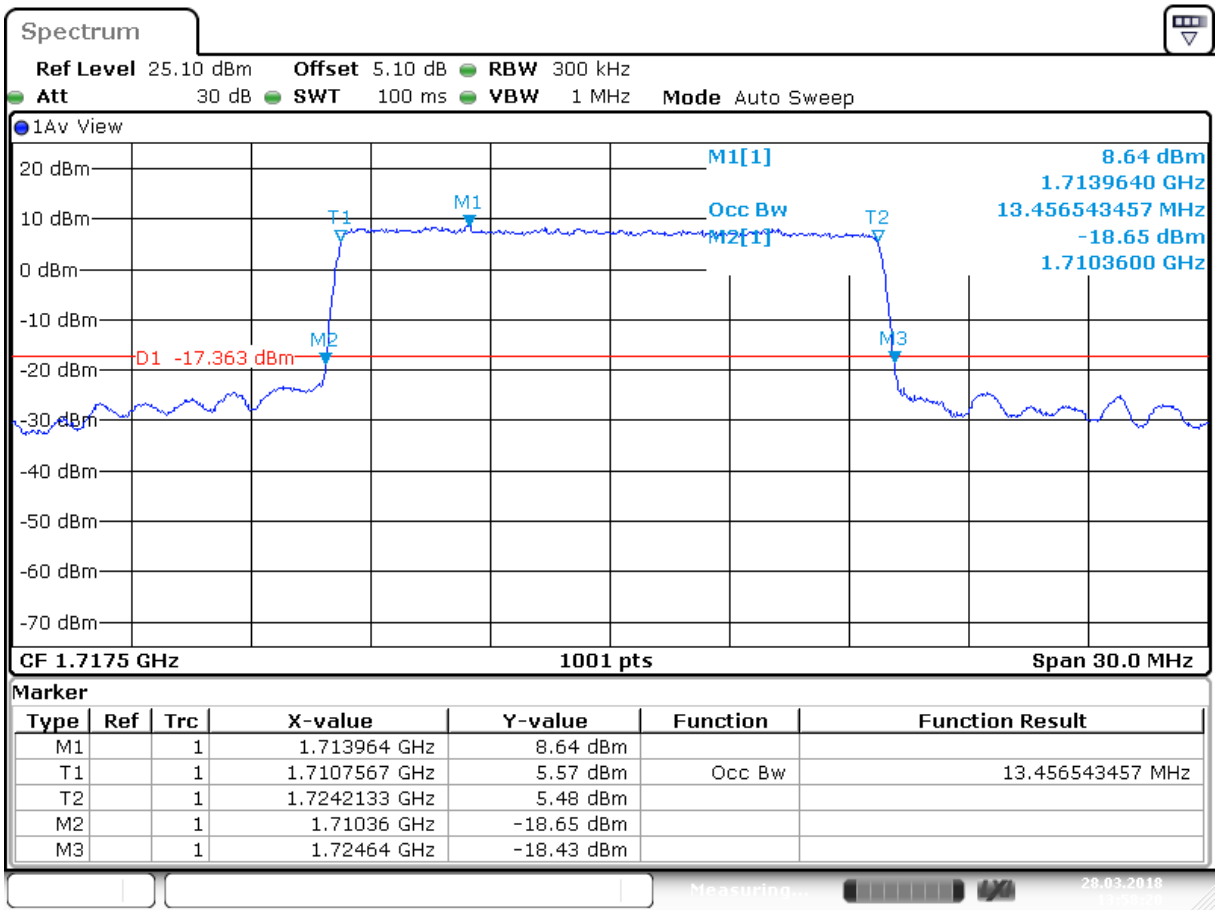
#### 4.1.1.9 Test Mode = LTE/TM1 15MHz

##### 4.1.1.9.1 Test Channel = LCH

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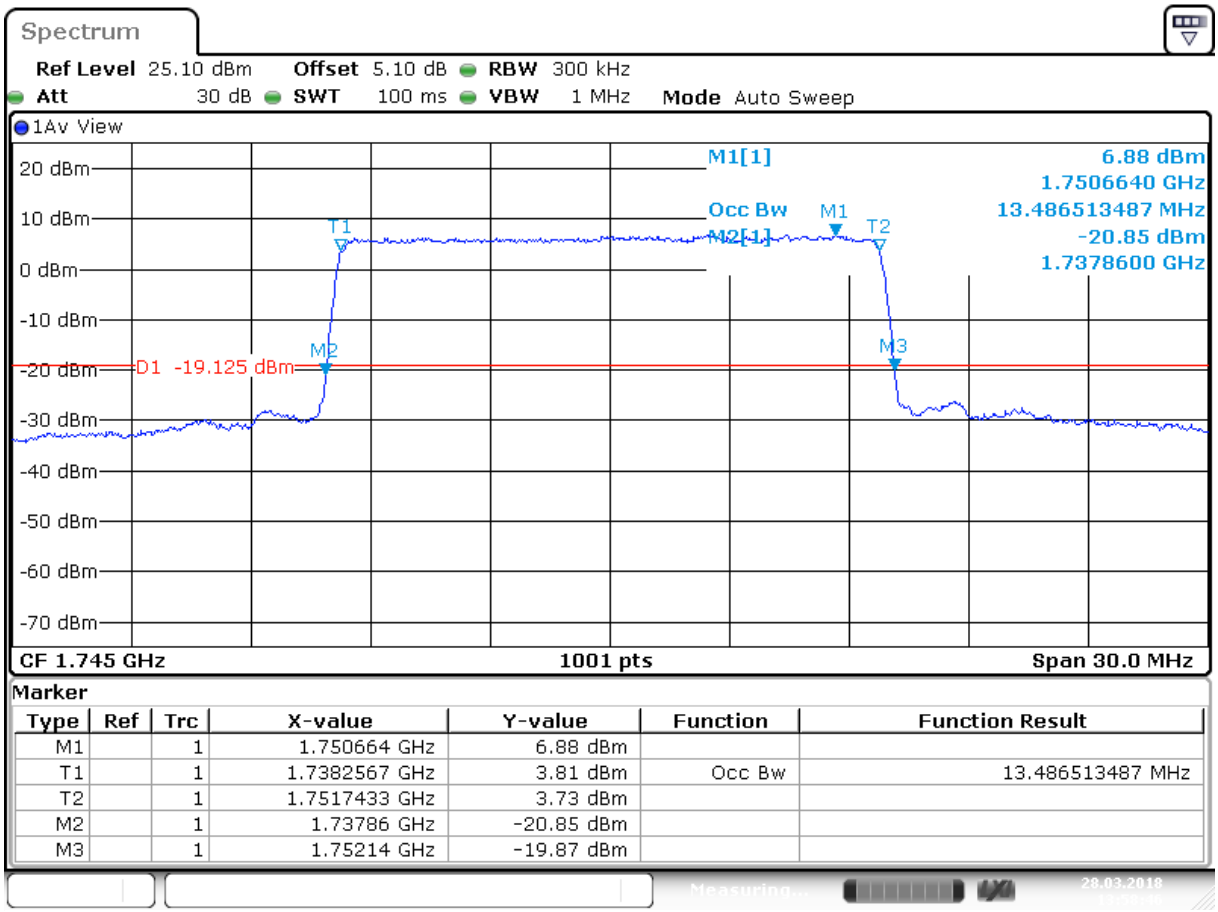
#### 4.1.1.9.2 Test Channel = MCH

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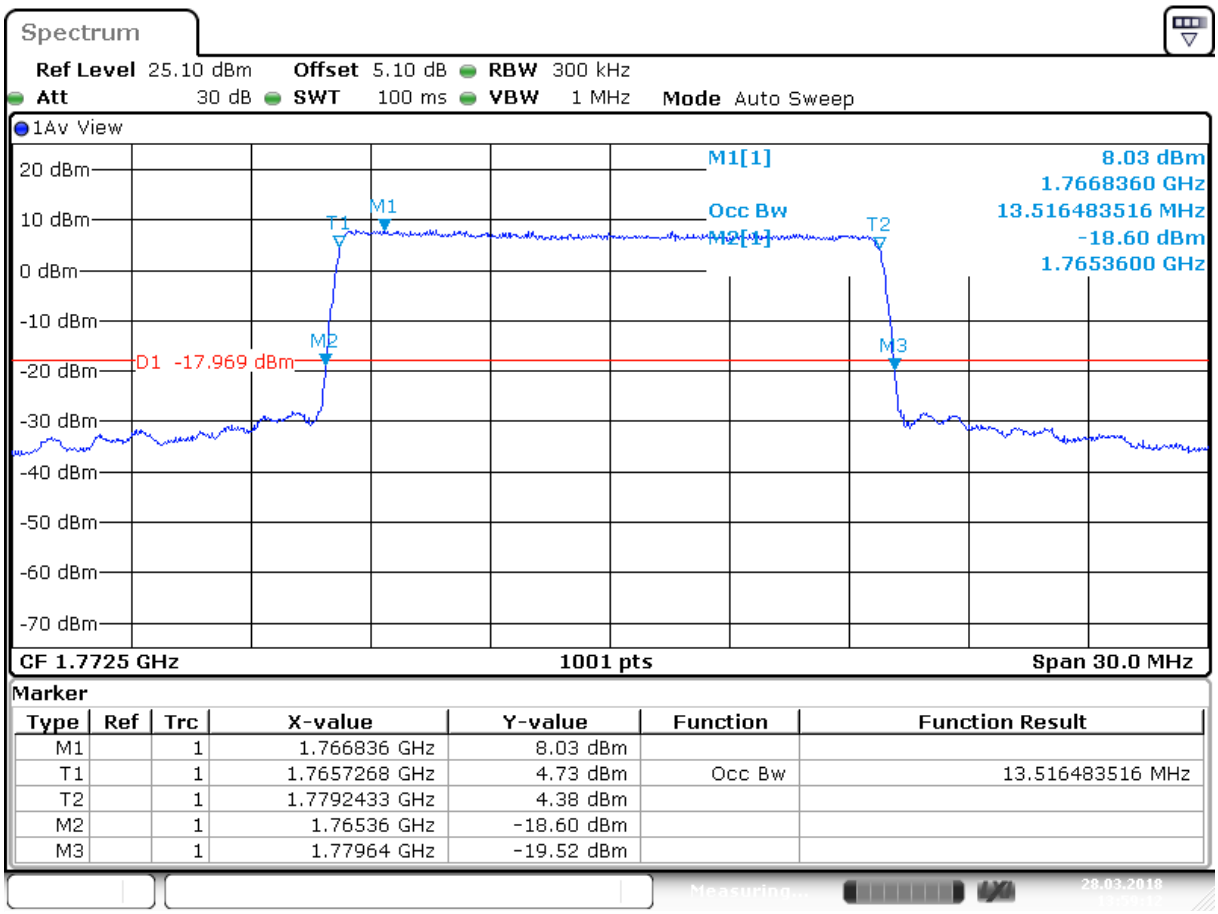
#### 4.1.1.9.3 Test Channel = HCH

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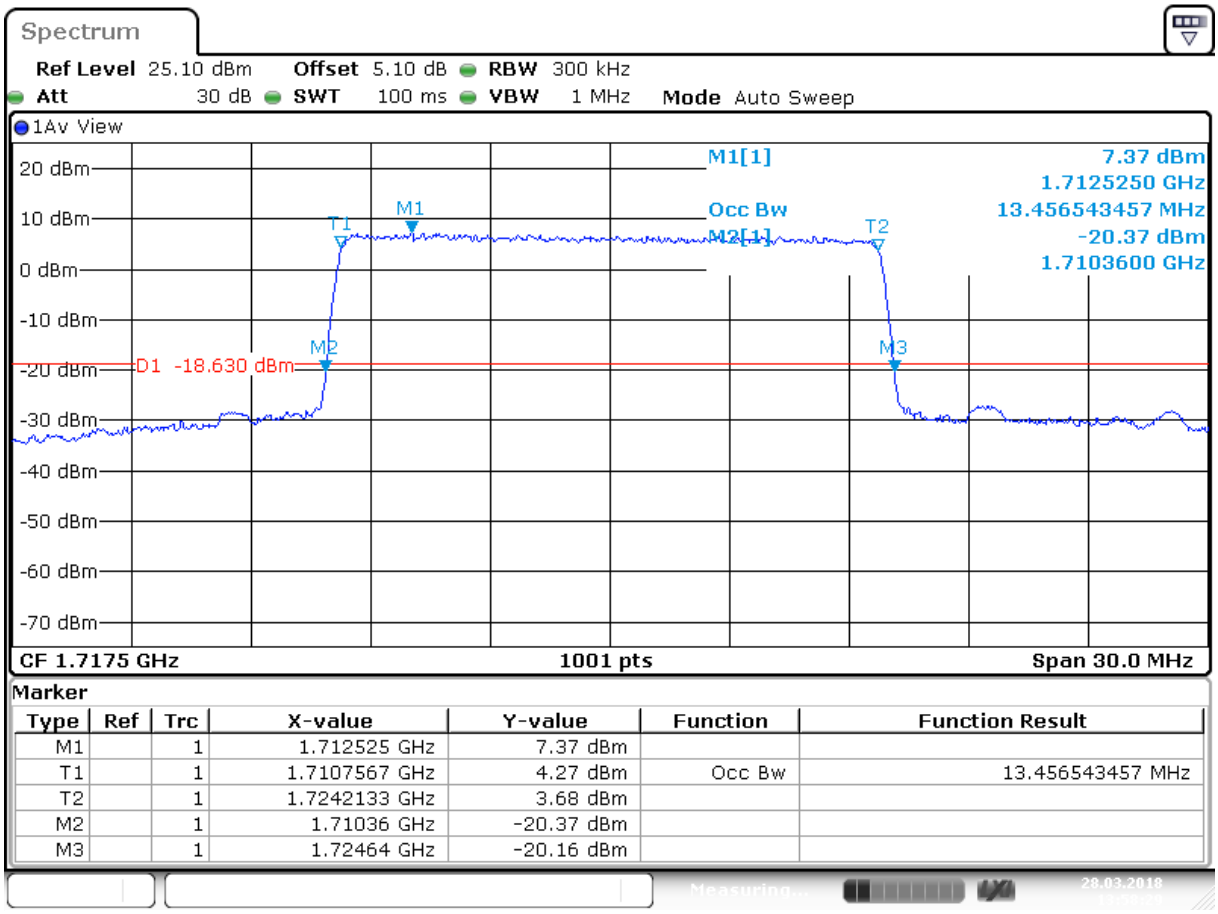
#### 4.1.1.10 Test Mode = LTE/TM2 15MHz

##### 4.1.1.10.1 Test Channel = LCH

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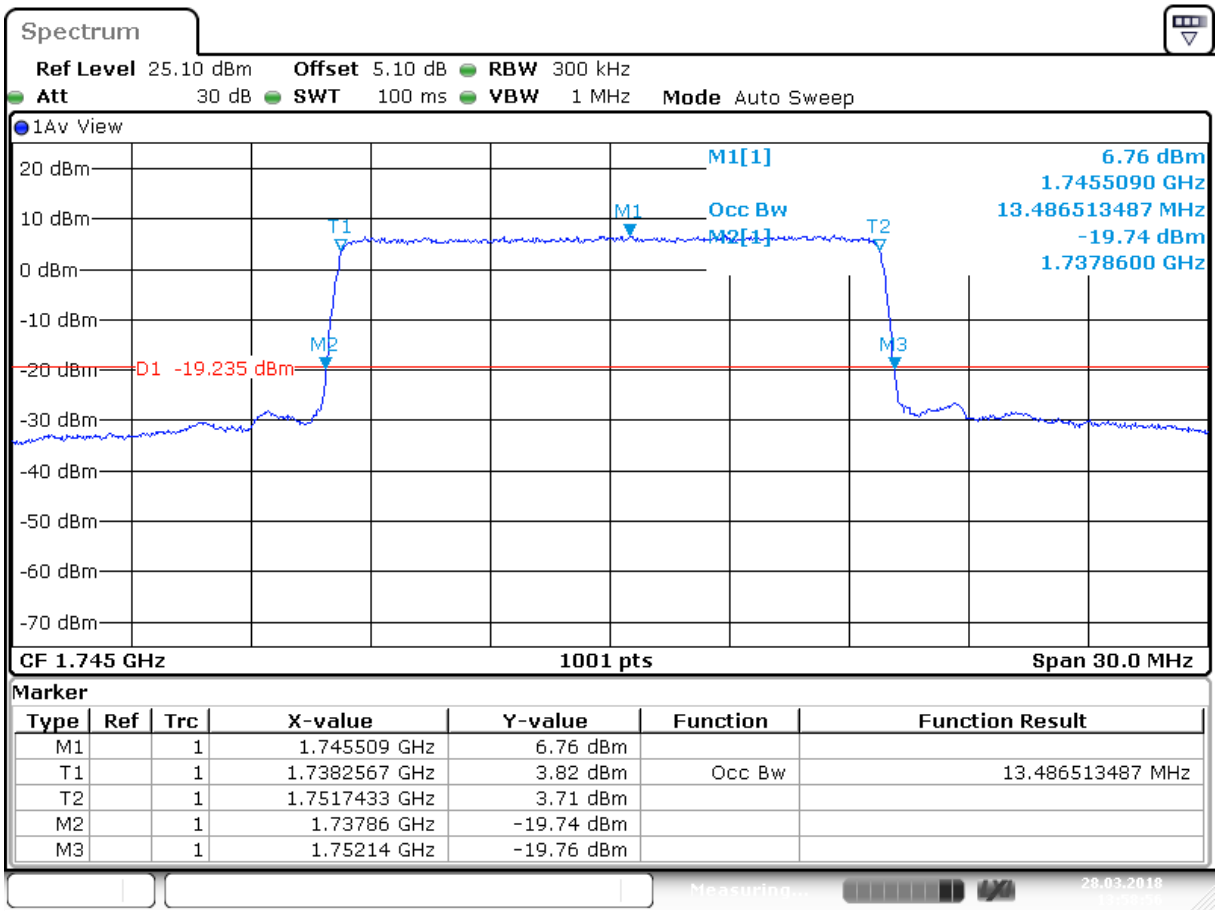
#### 4.1.1.10.2 Test Channel = MCH

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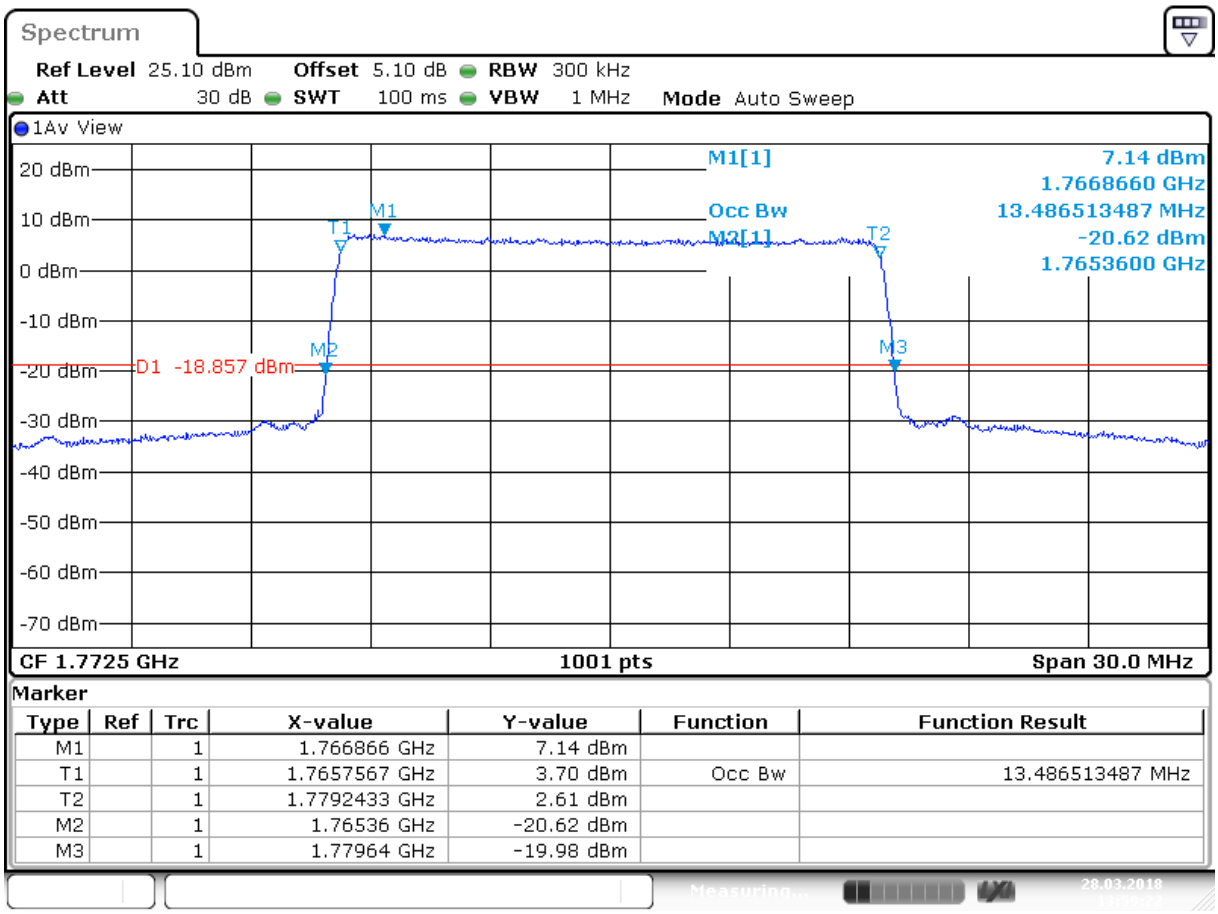
#### 4.1.1.10.3 Test Channel = HCH

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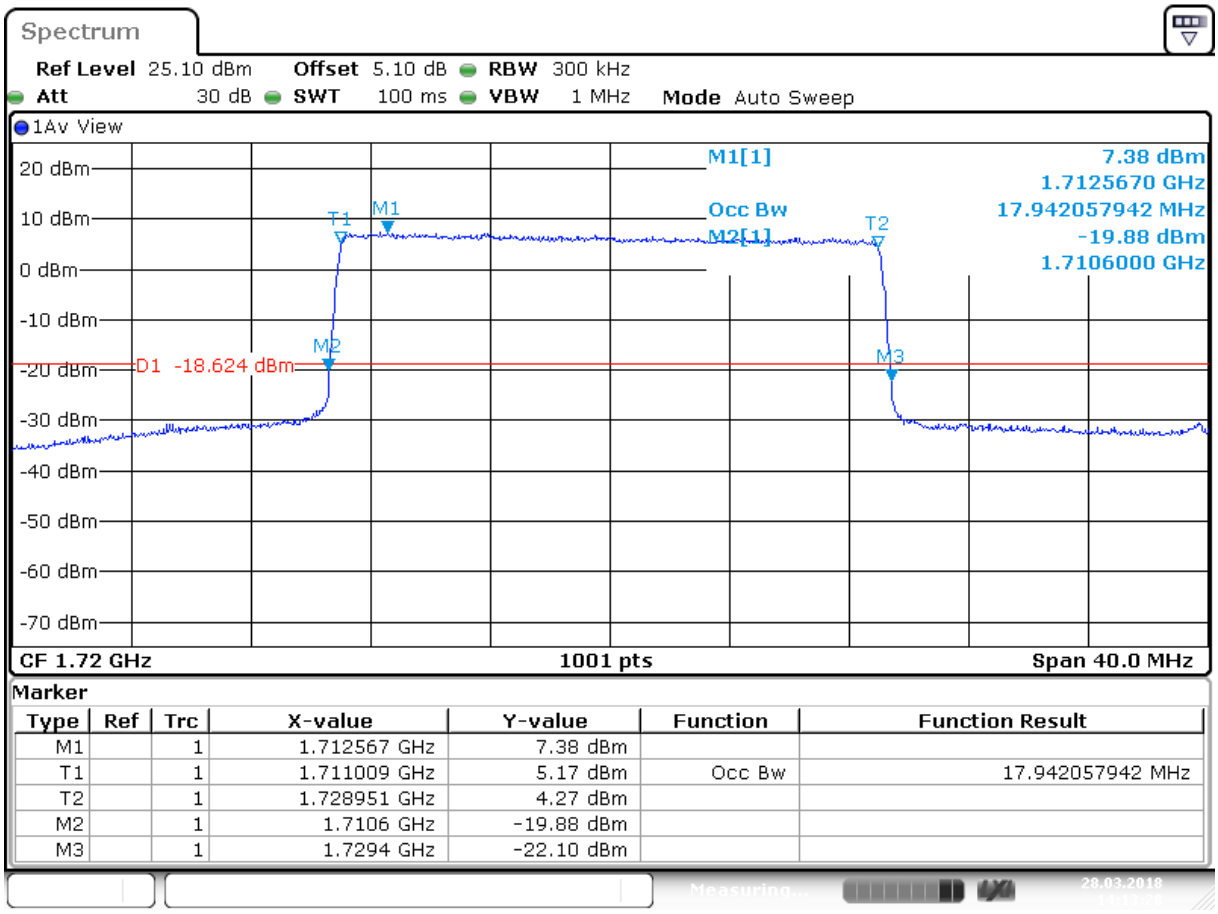
#### 4.1.1.11 Test Mode = LTE/TM1 20MHz

##### 4.1.1.11.1 Test Channel = LCH

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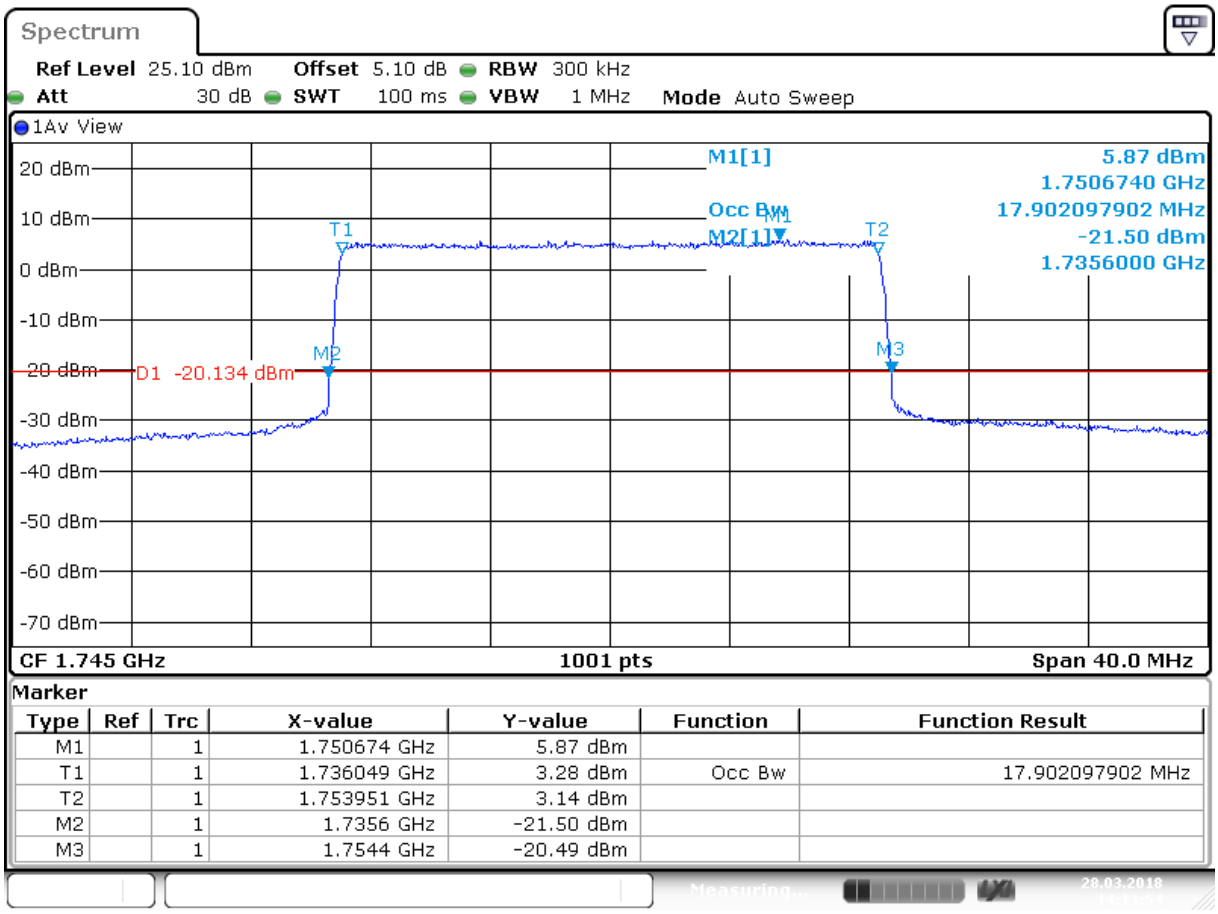
#### 4.1.1.11.2 Test Channel = MCH

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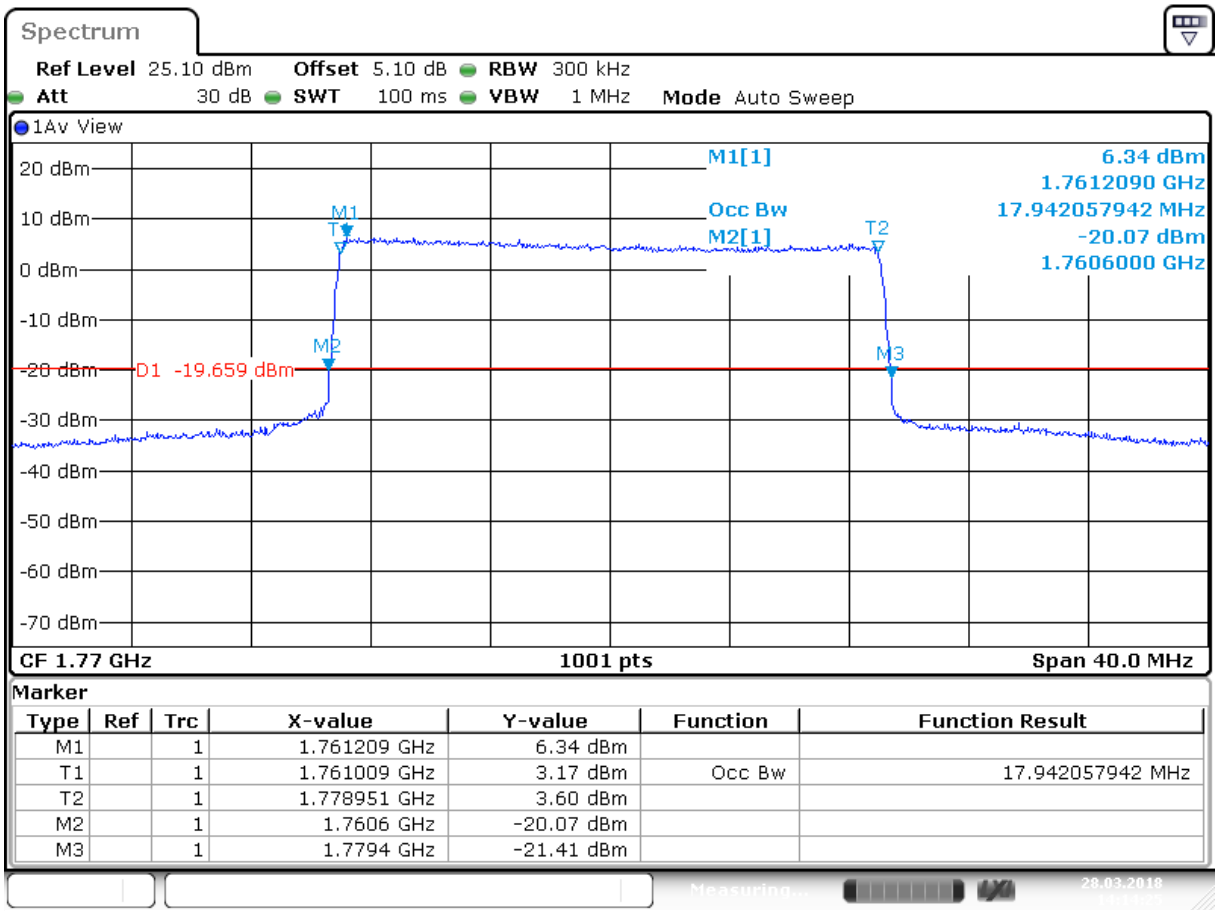
#### 4.1.1.11.3 Test Channel = HCH

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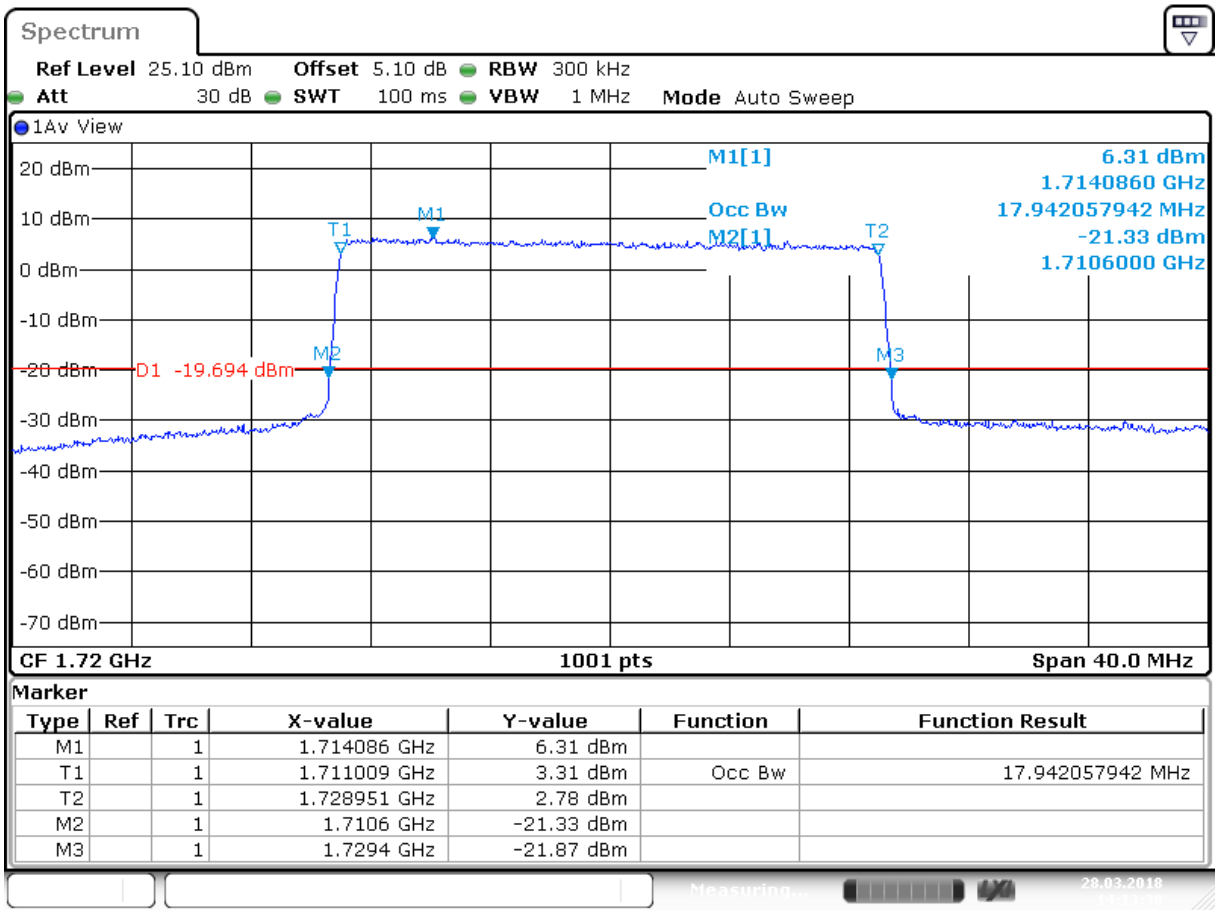
#### 4.1.1.12 Test Mode = LTE/TM2 20MHz

##### 4.1.1.12.1 Test Channel = LCH




| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 1.714086 GHz | 6.31 dBm | | |
| T1 | | 1 | 1.711009 GHz | 3.31 dBm | Occ Bw | 17.942057942 MHz |
| T2 | | 1 | 1.728951 GHz | 2.78 dBm | | |
| M2 | | 1 | 1.7106 GHz | -21.33 dBm | | |
| M3 | | 1 | 1.7294 GHz | -21.87 dBm | | |

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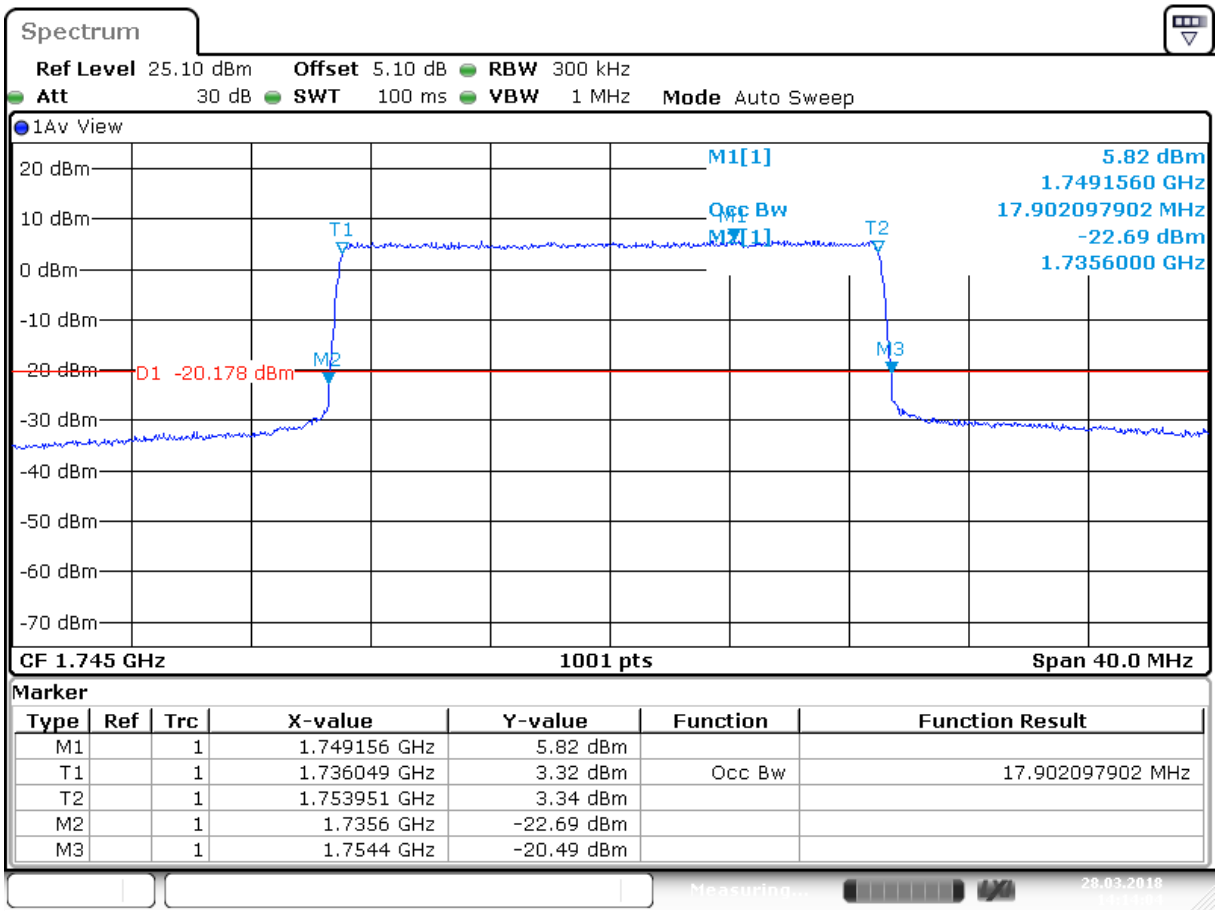
#### 4.1.1.12.2 Test Channel = MCH

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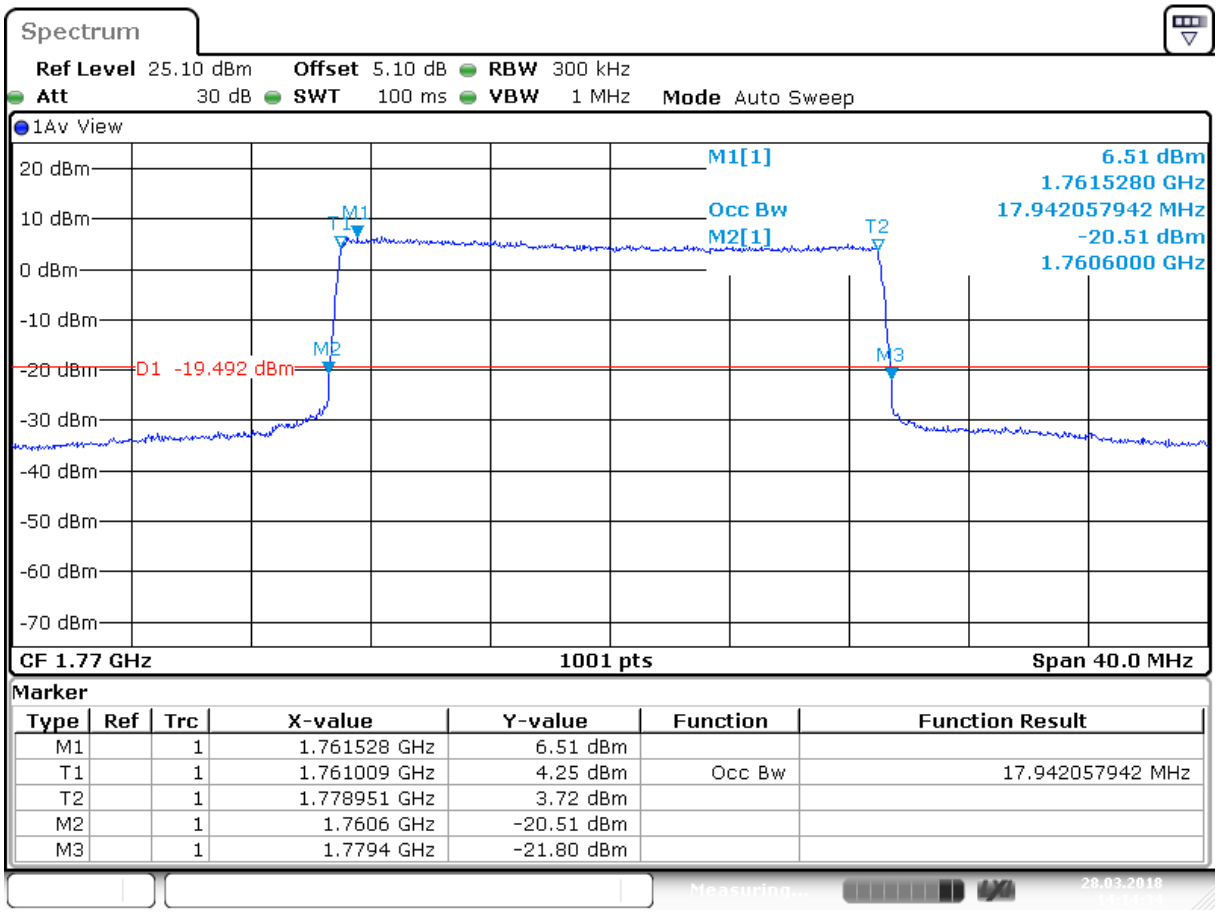
#### 4.1.1.12.3 Test Channel = HCH

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# 5 Band Edges Compliance

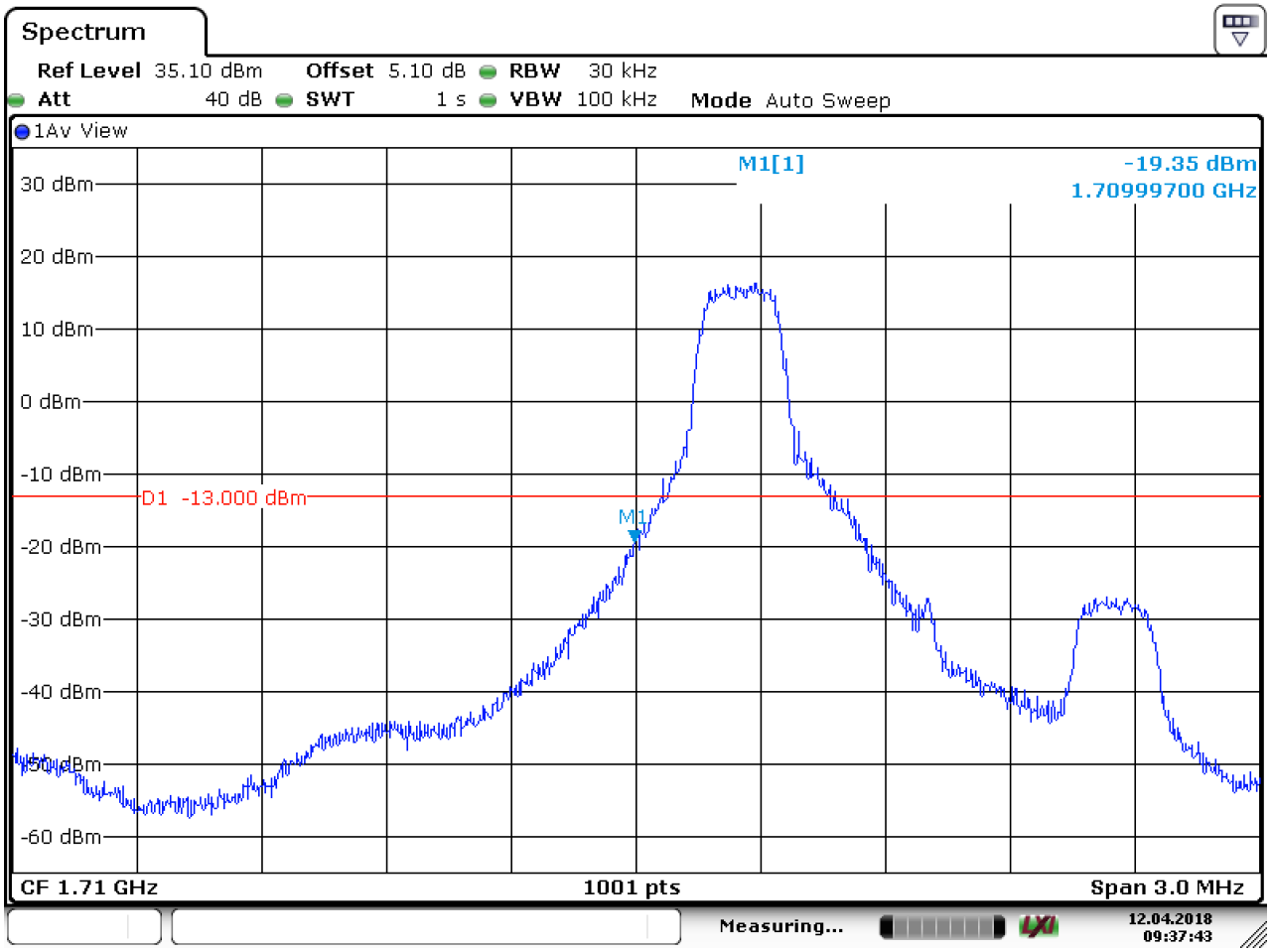
## 5.1 For LTE

### 5.1.1 Test Band = LTE BAND66

#### 5.1.1.1 Test Mode = LTE/TM1 1.4MHz

##### 5.1.1.1.1 Test Channel = LCH

###### 5.1.1.1.1.1 Test RB=1RB#Low

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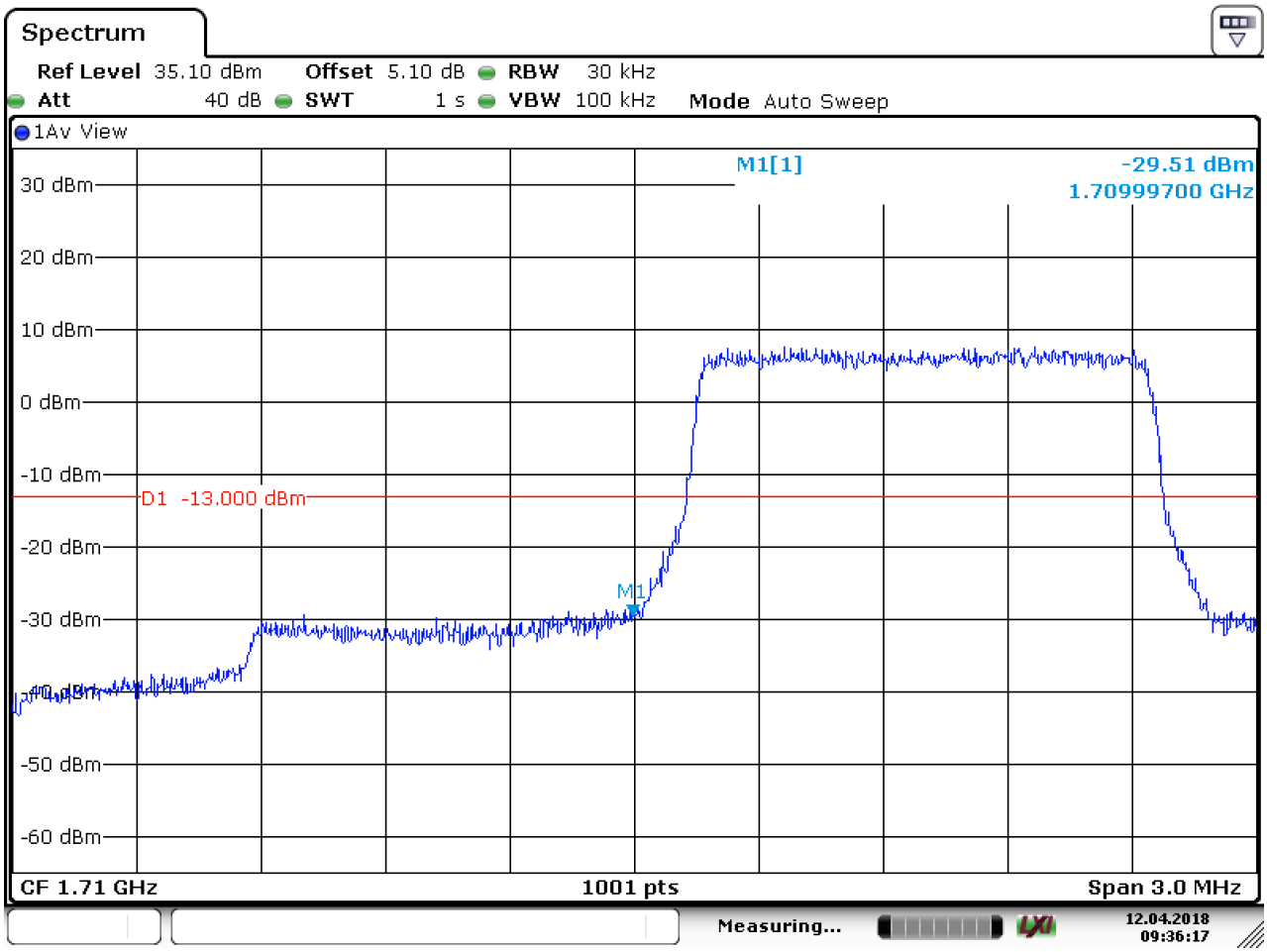
#### 5.1.1.1.1.2 Test RB=FullRBs

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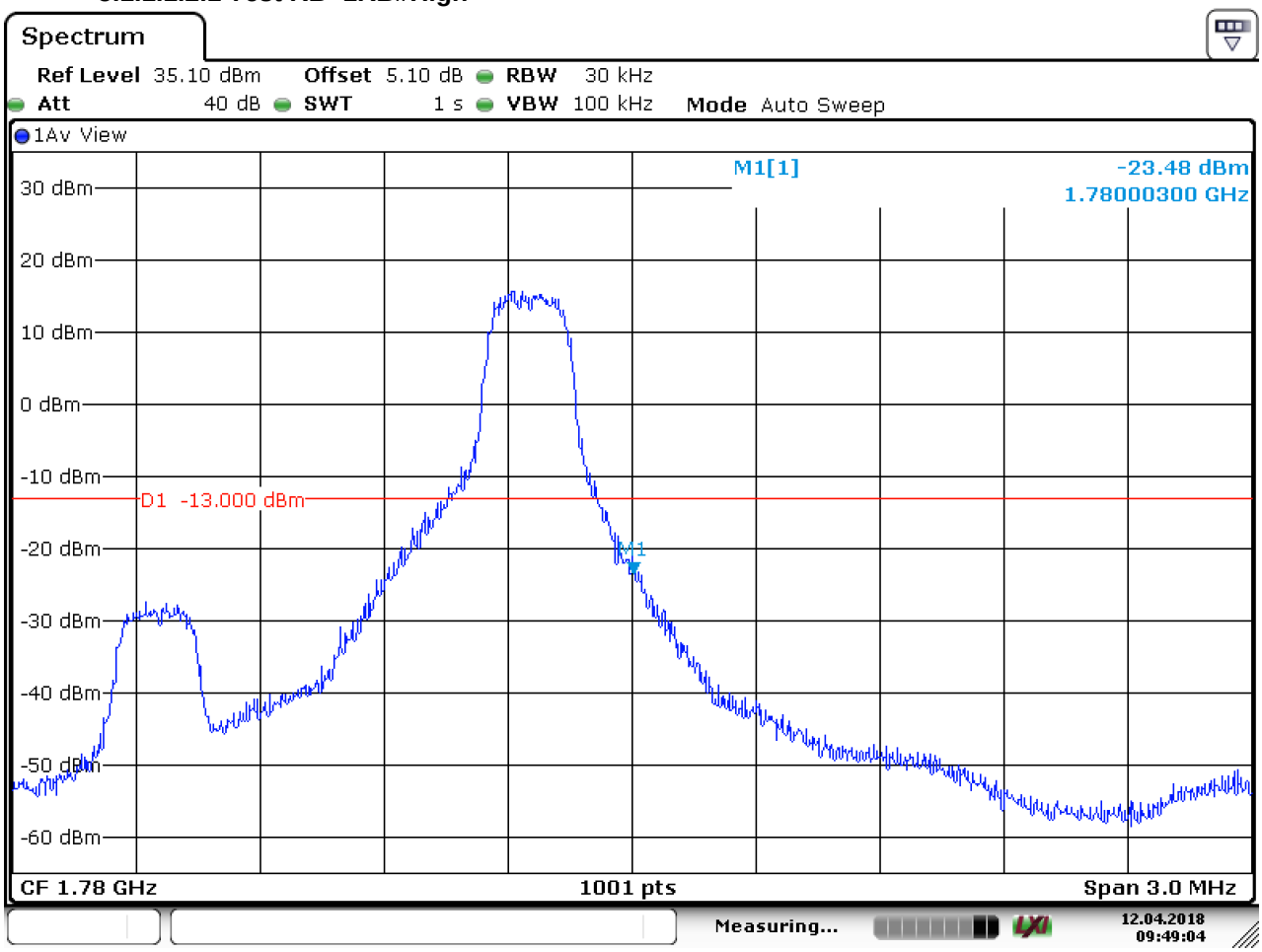
#### 5.1.1.1.2 Test Channel = HCH

##### 5.1.1.1.2.1 Test RB=1RB#High

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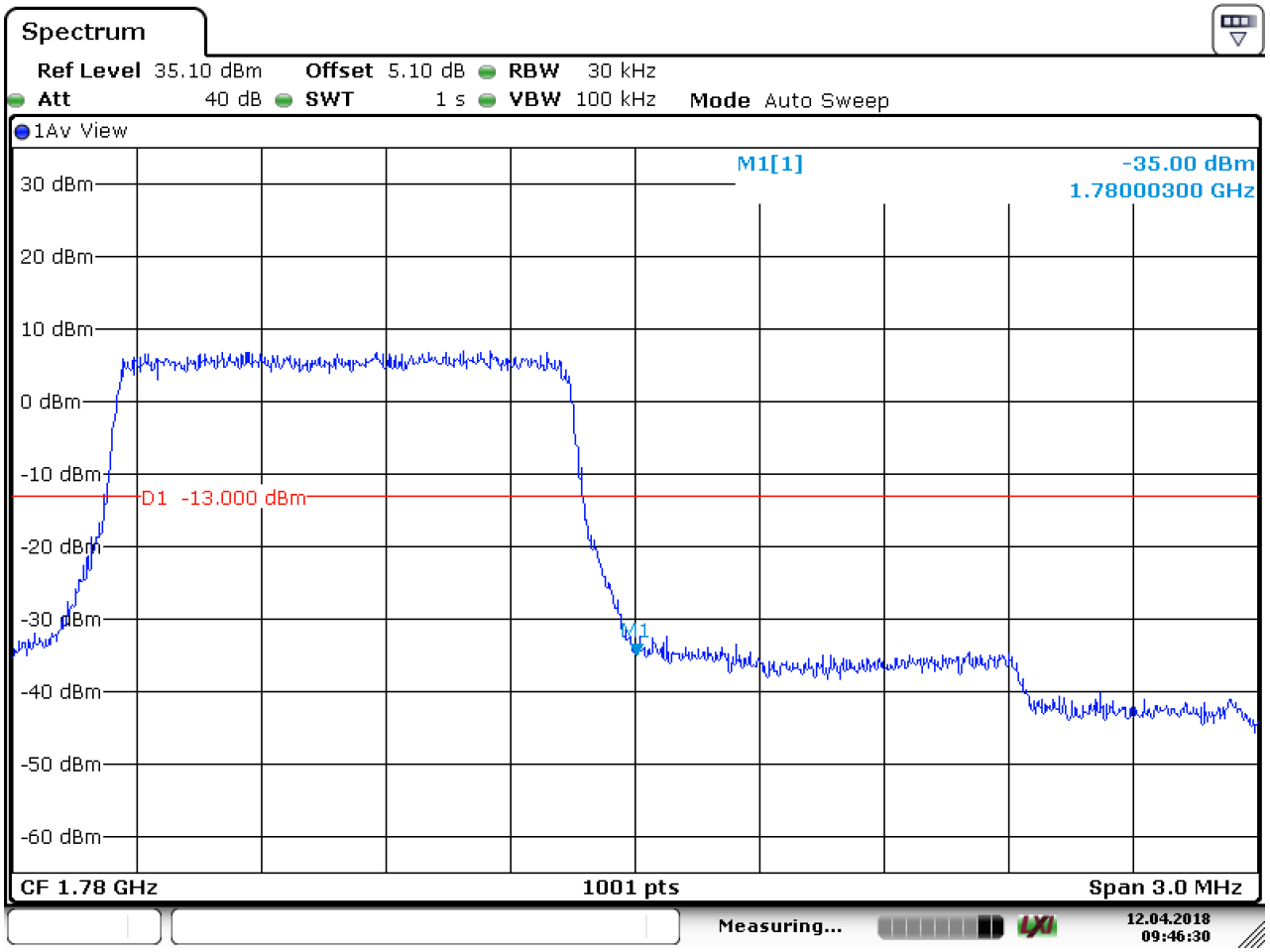
### 5.1.1.1.2.2 Test RB=FullRBs

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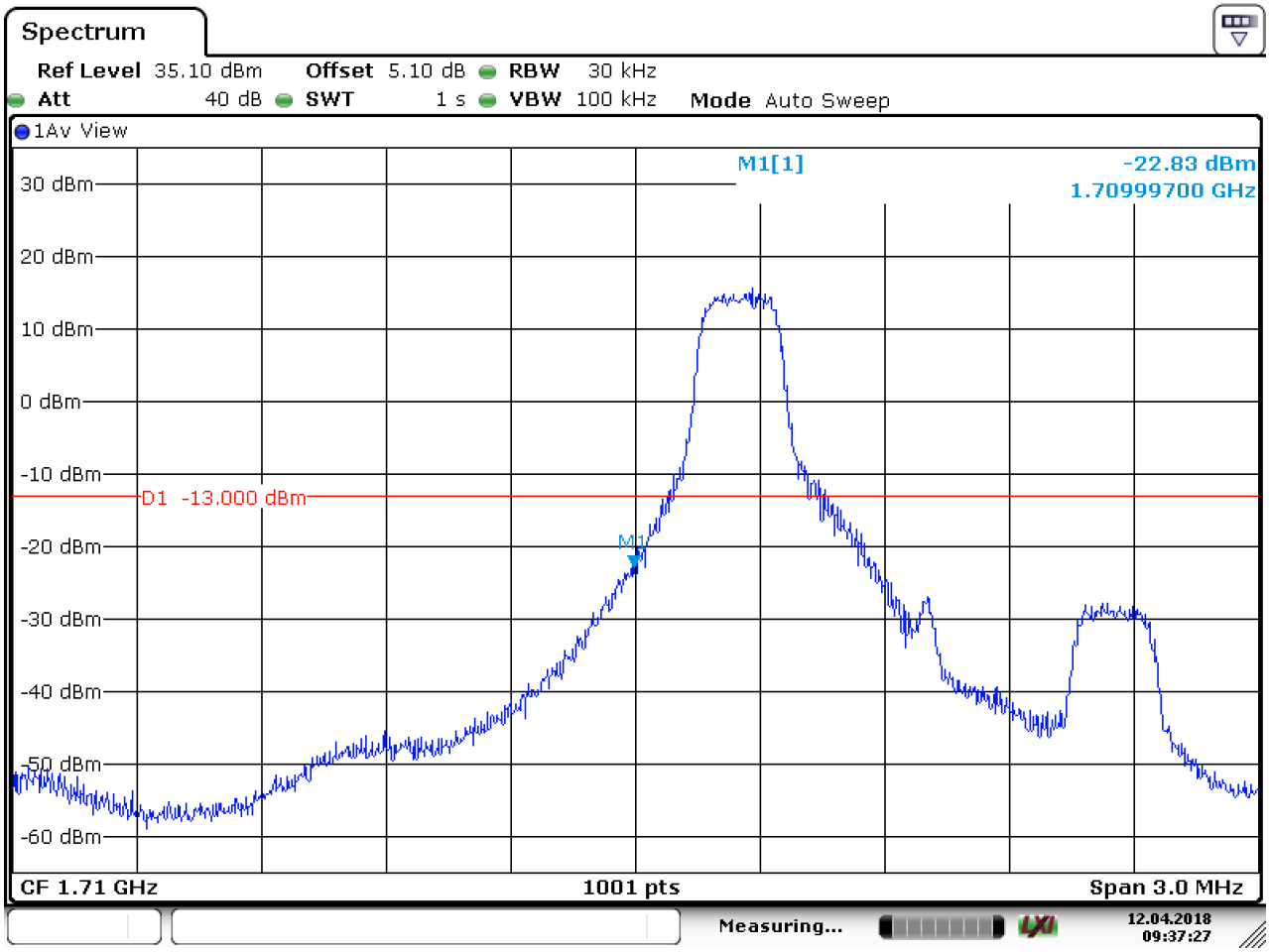
#### 5.1.1.2 Test Mode = LTE/TM2 1.4MHz

##### 5.1.1.2.1 Test Channel = LCH

###### 5.1.1.2.1.1 Test RB=1RB#Low

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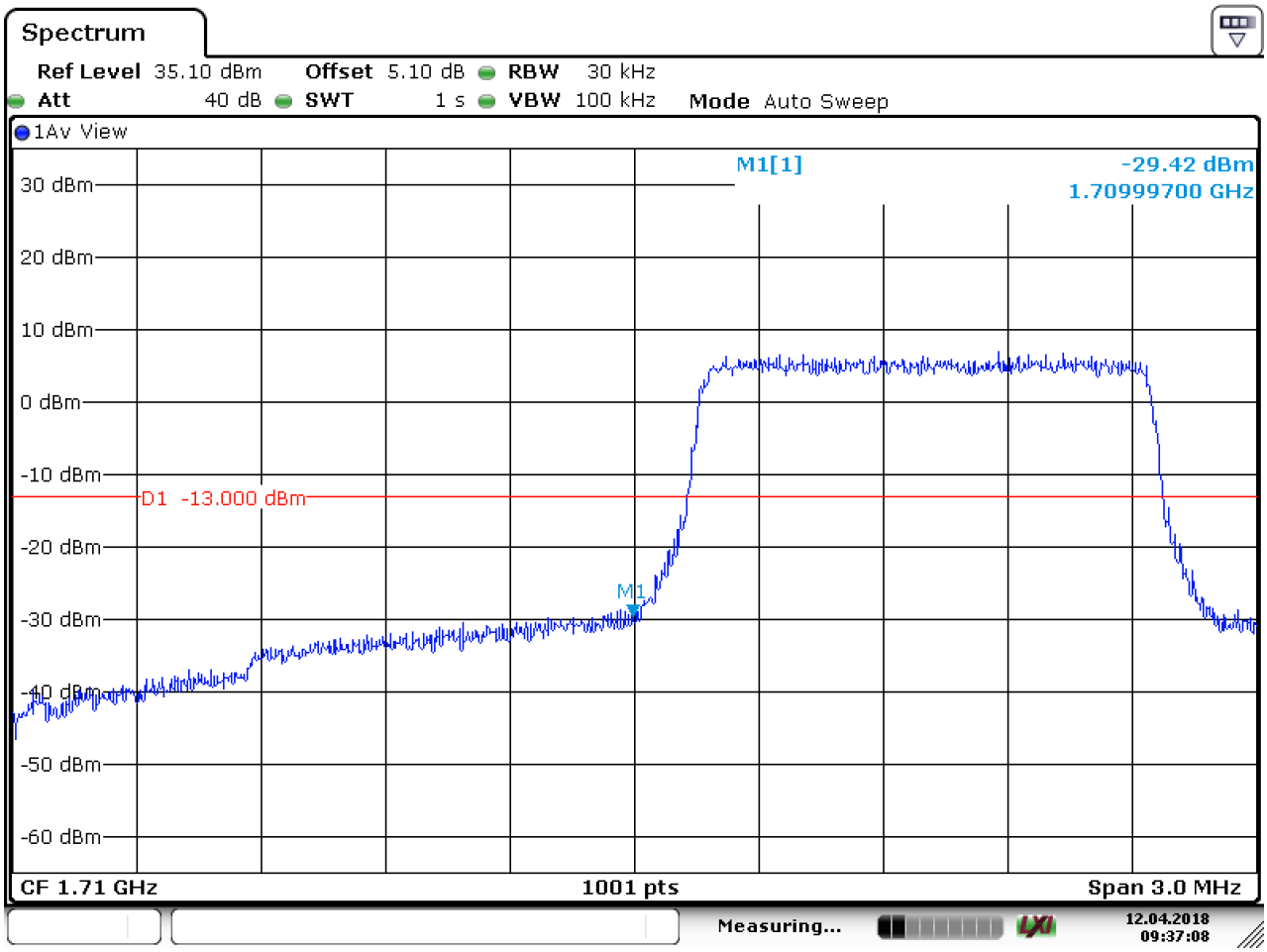
#### 5.1.1.2.1.2 Test RB=FullRBs

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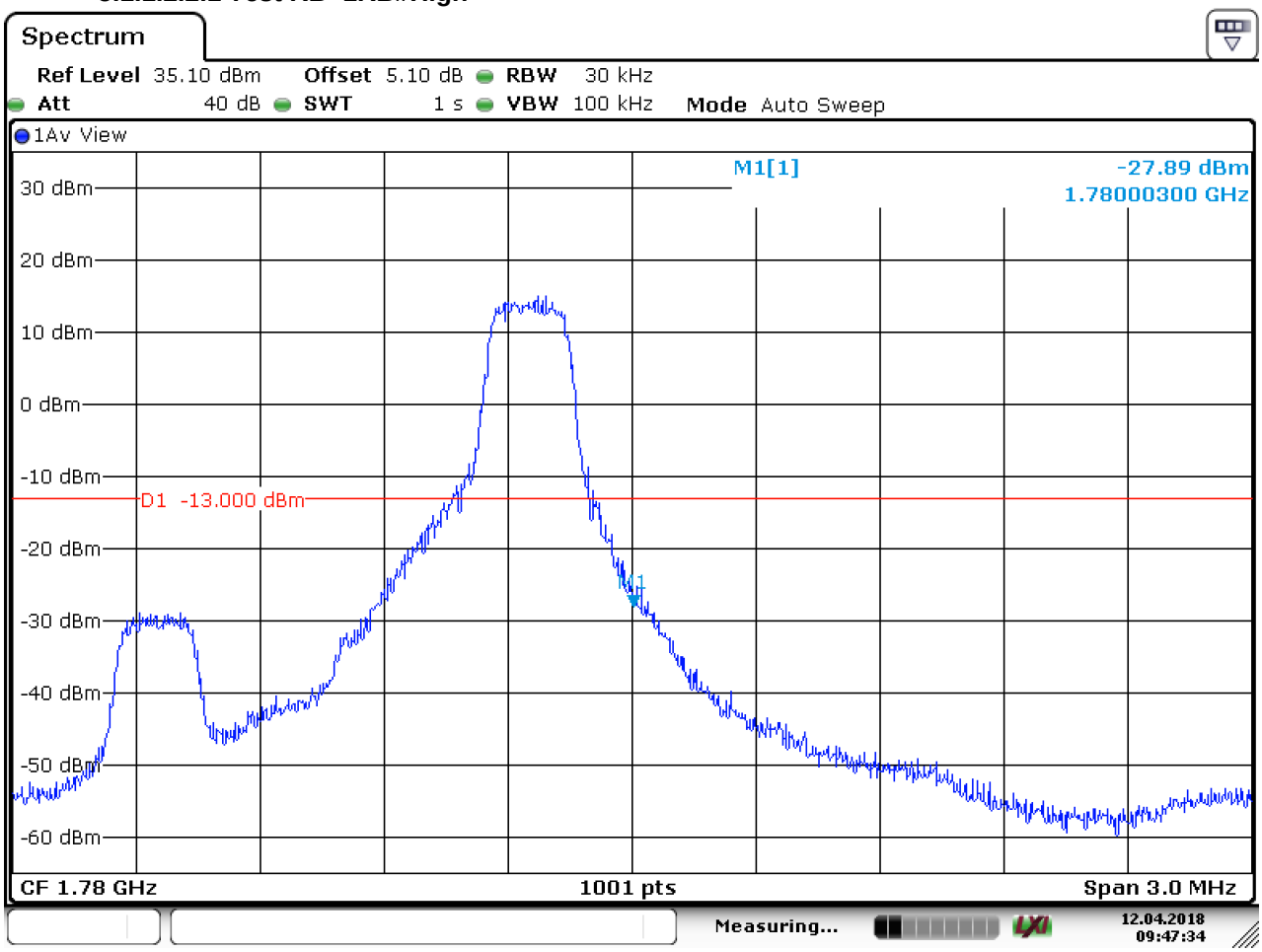
#### 5.1.1.2.2 Test Channel = HCH

##### 5.1.1.2.2.1 Test RB=1RB#High

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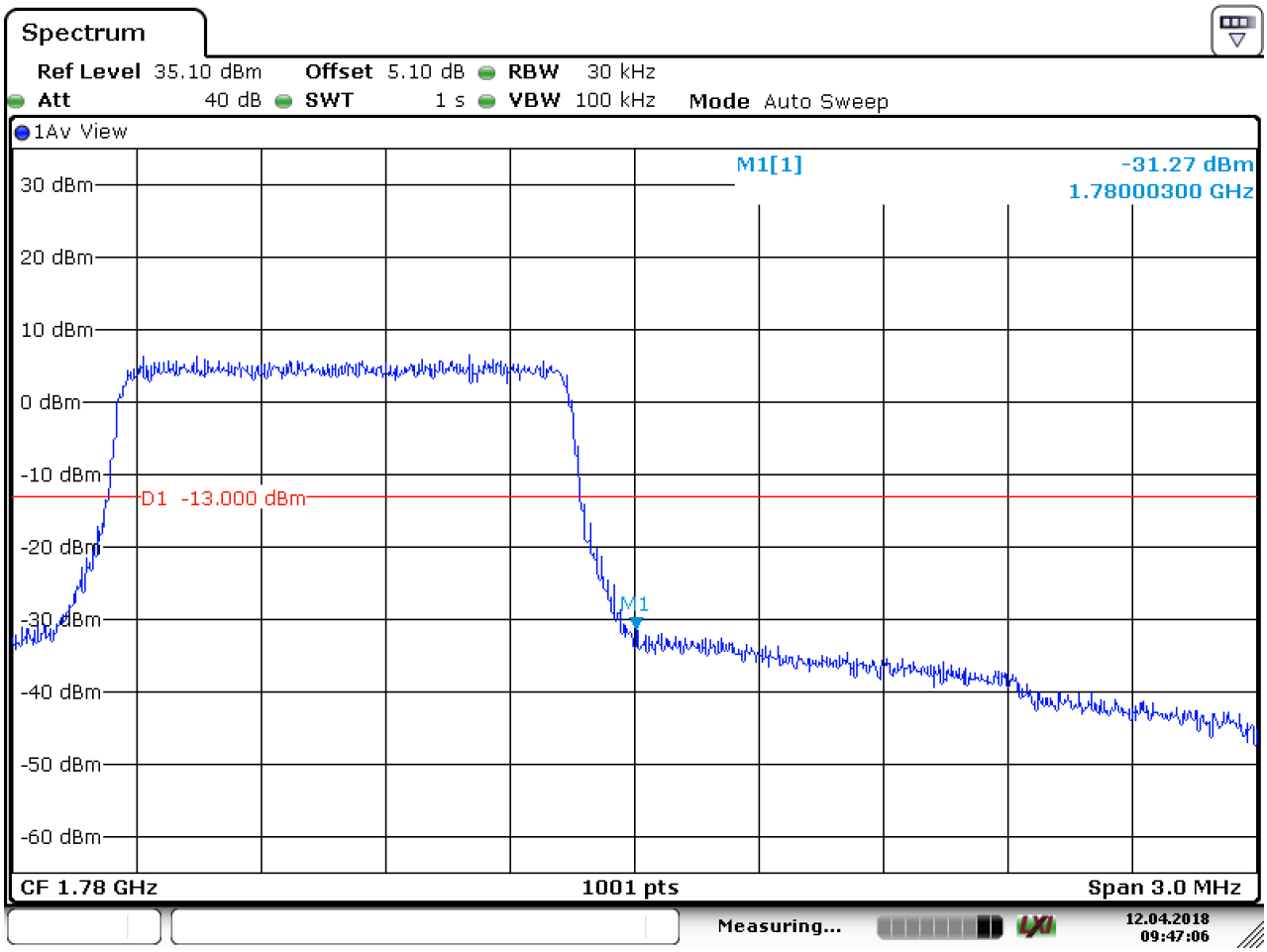
#### 5.1.1.2.2.2 Test RB=FullRBs

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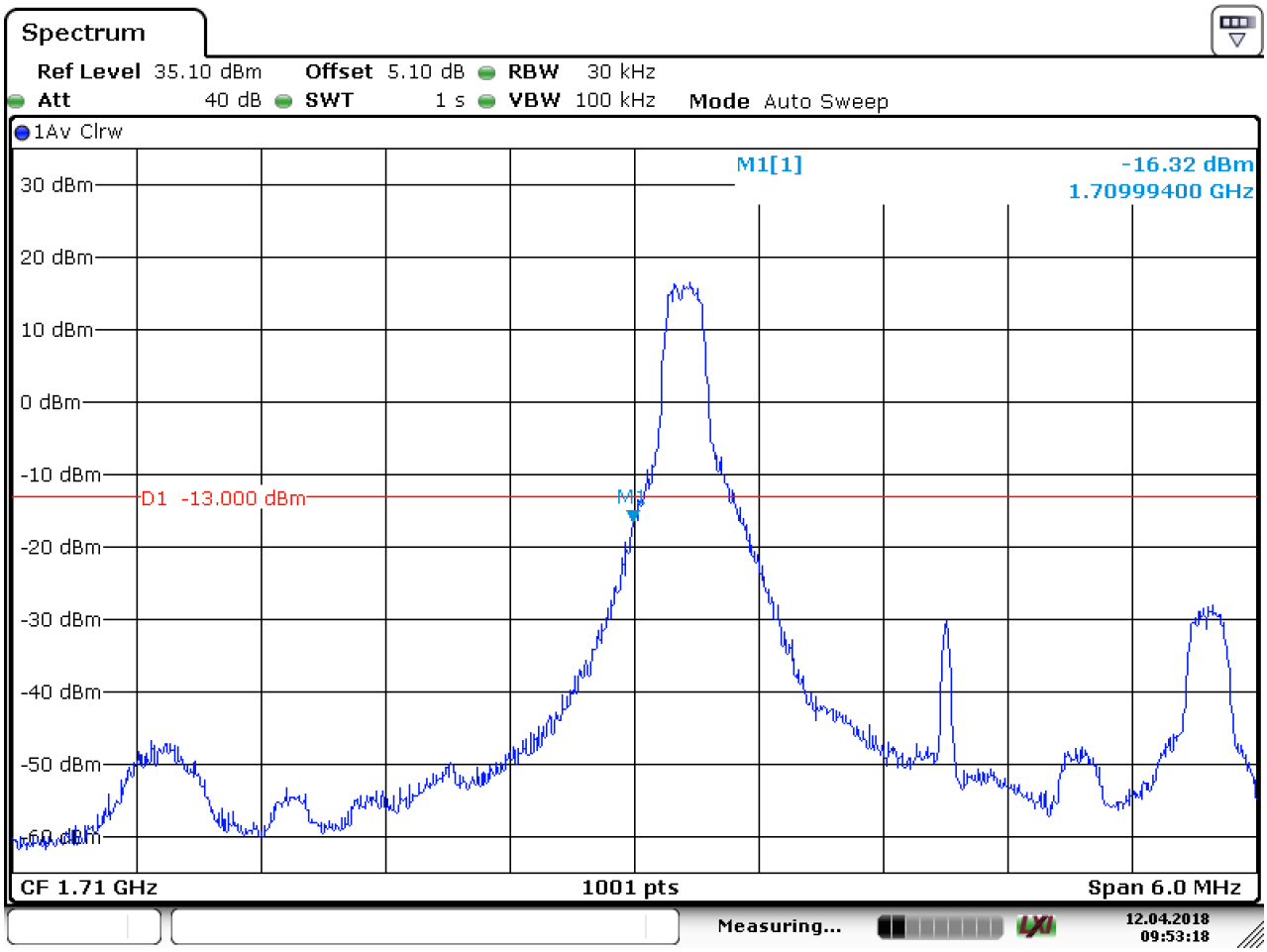
### 5.1.1.3 Test Mode = LTE/TM1 3MHz

#### 5.1.1.3.1 Test Channel = LCH

##### 5.1.1.3.1.1 Test RB=1RB#Low

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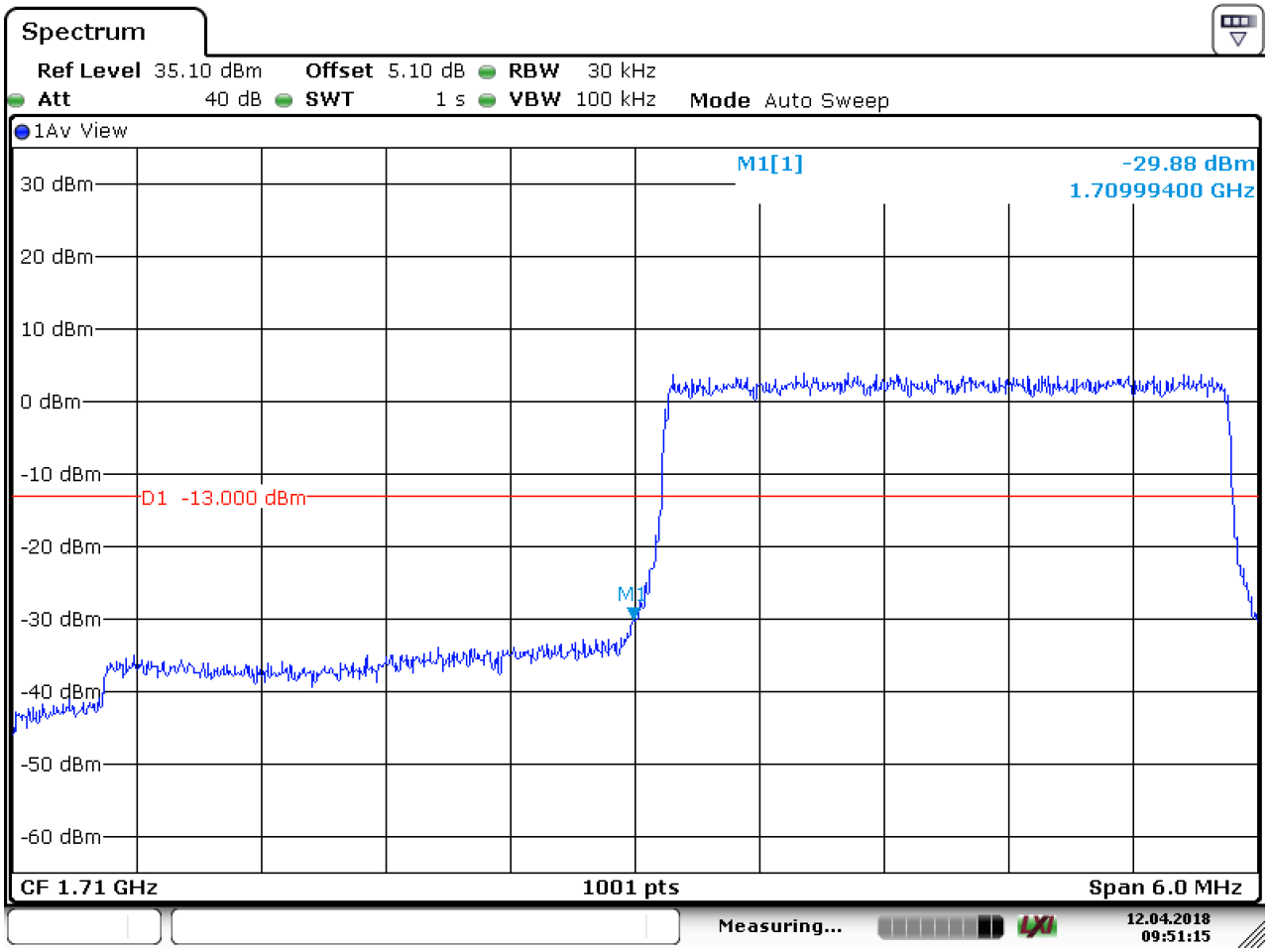
#### 5.1.1.3.1.2 Test RB=FullRBs

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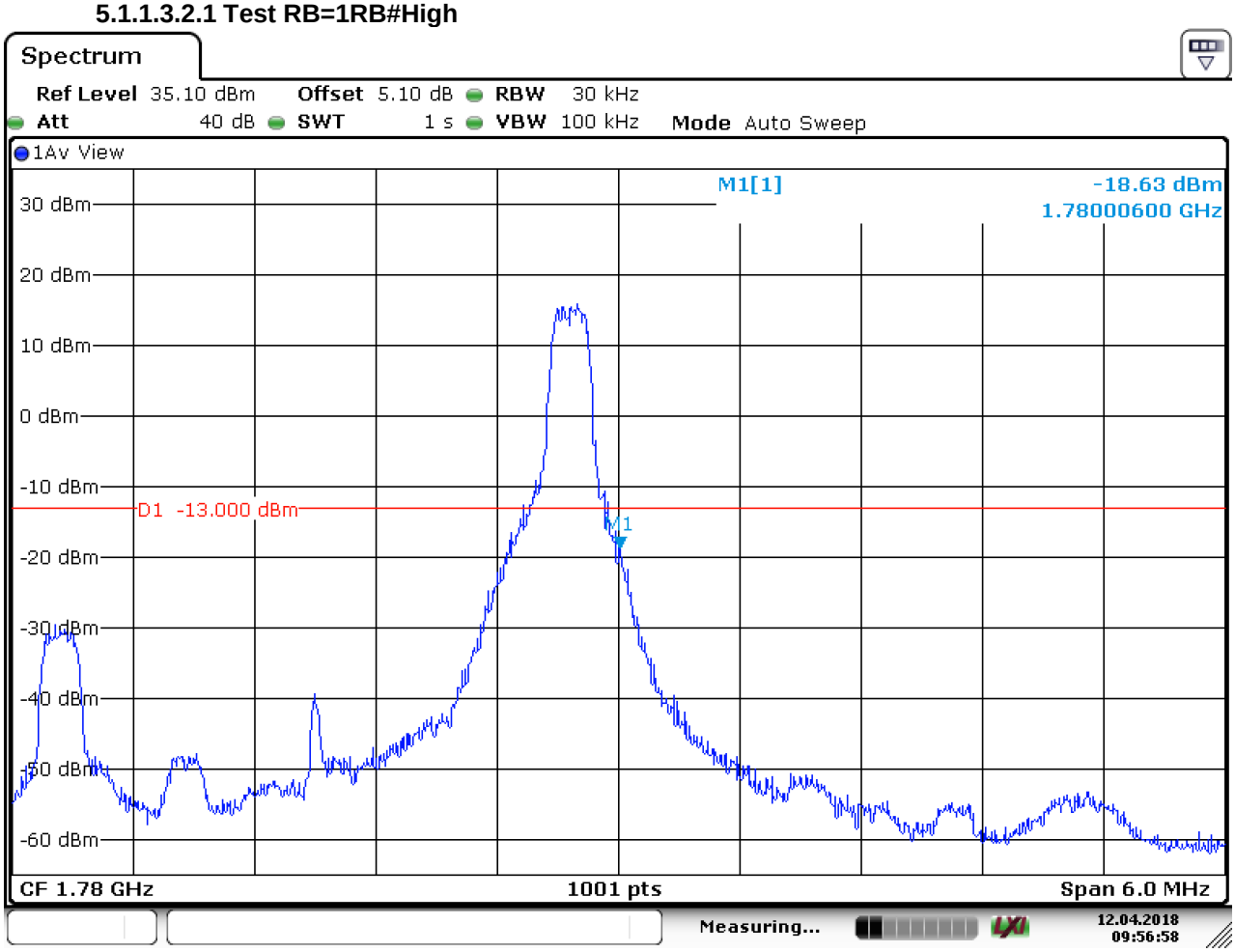
#### 5.1.1.3.2 Test Channel = HCH

##### 5.1.1.3.2.1 Test RB=1RB#High

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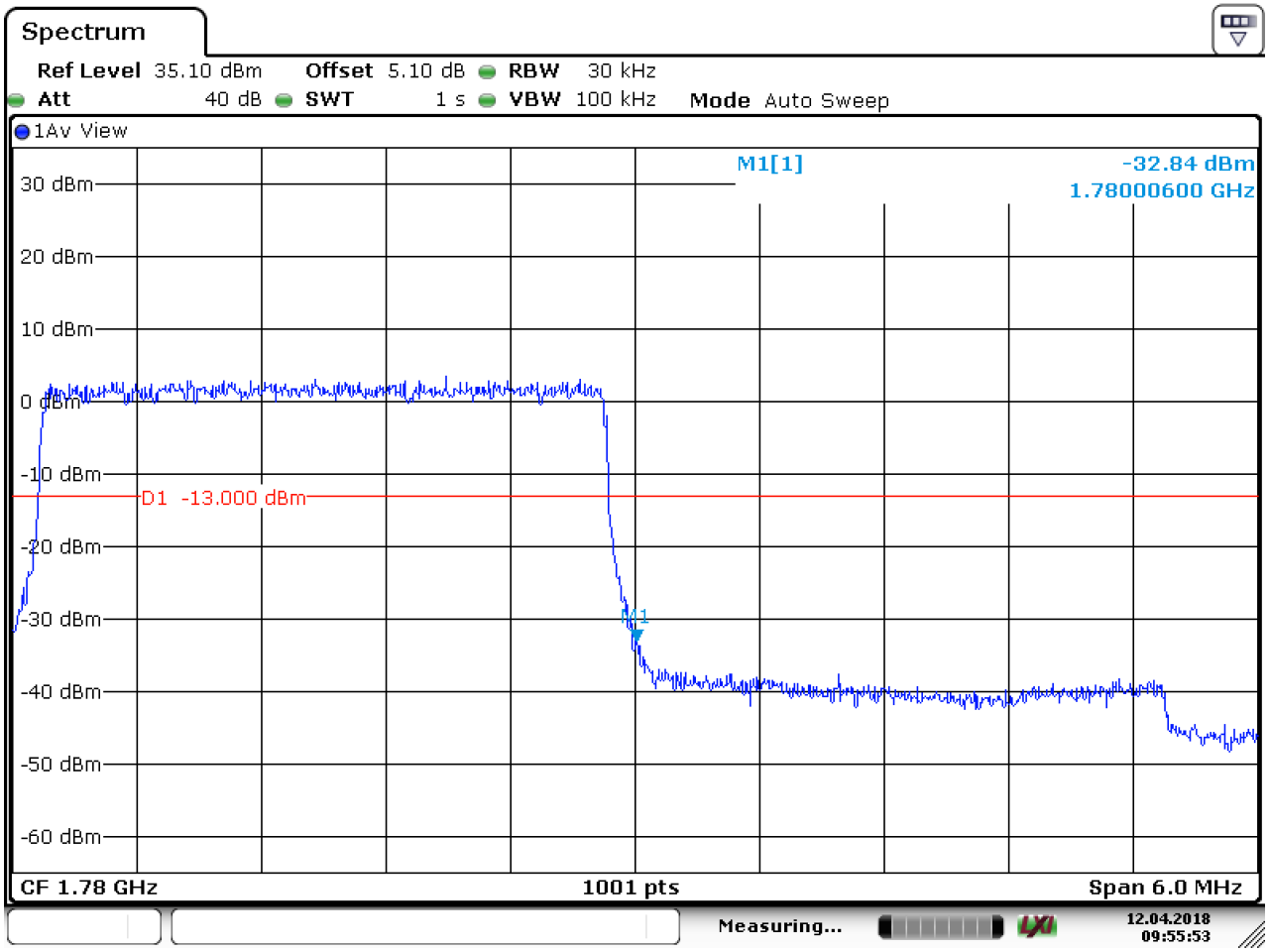
### 5.1.1.3.2.2 Test RB=FullRBs

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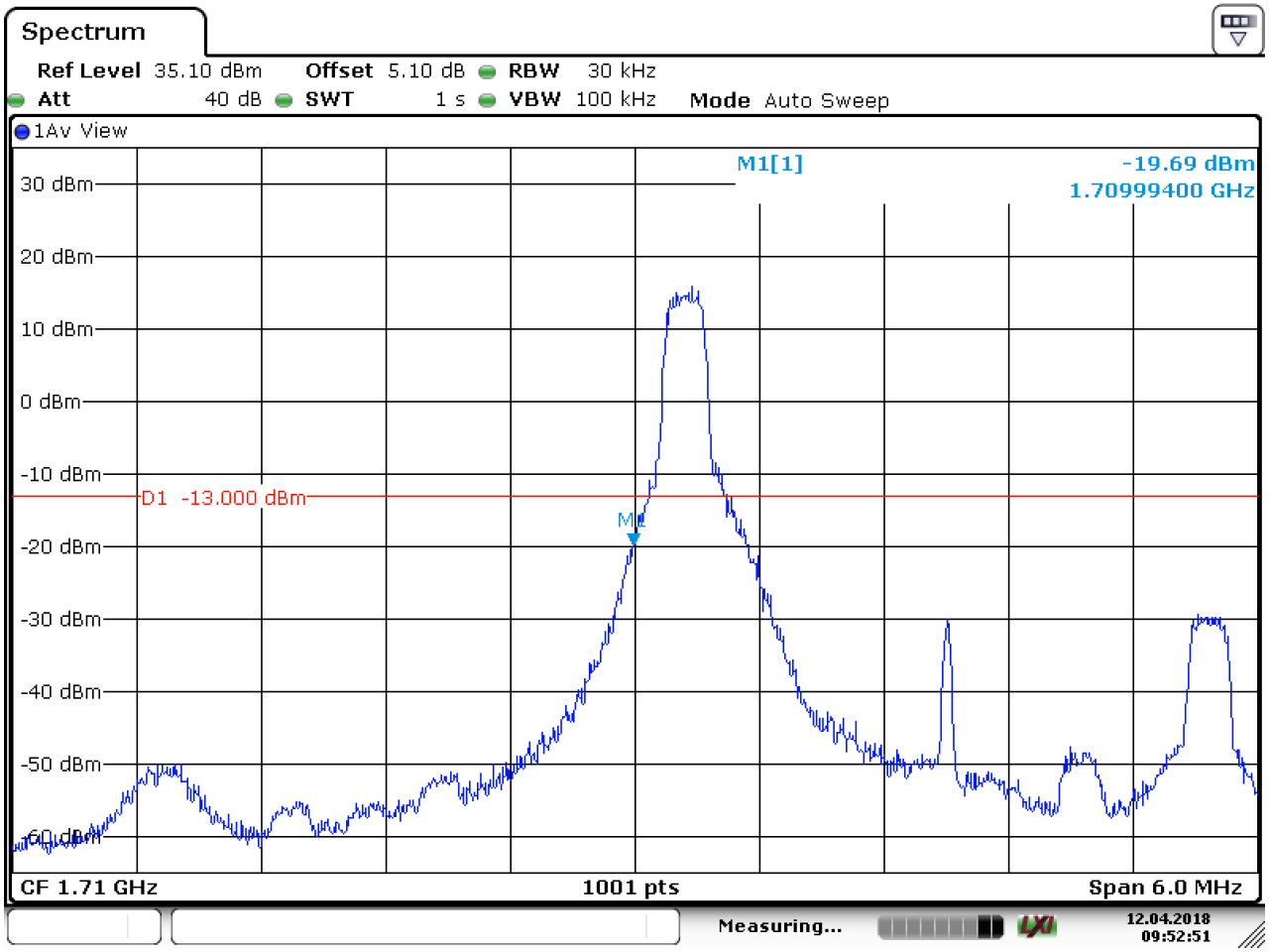
#### 5.1.1.4 Test Mode = LTE/TM2 3MHz

##### 5.1.1.4.1 Test Channel = LCH

###### 5.1.1.4.1.1 Test RB=1RB#Low

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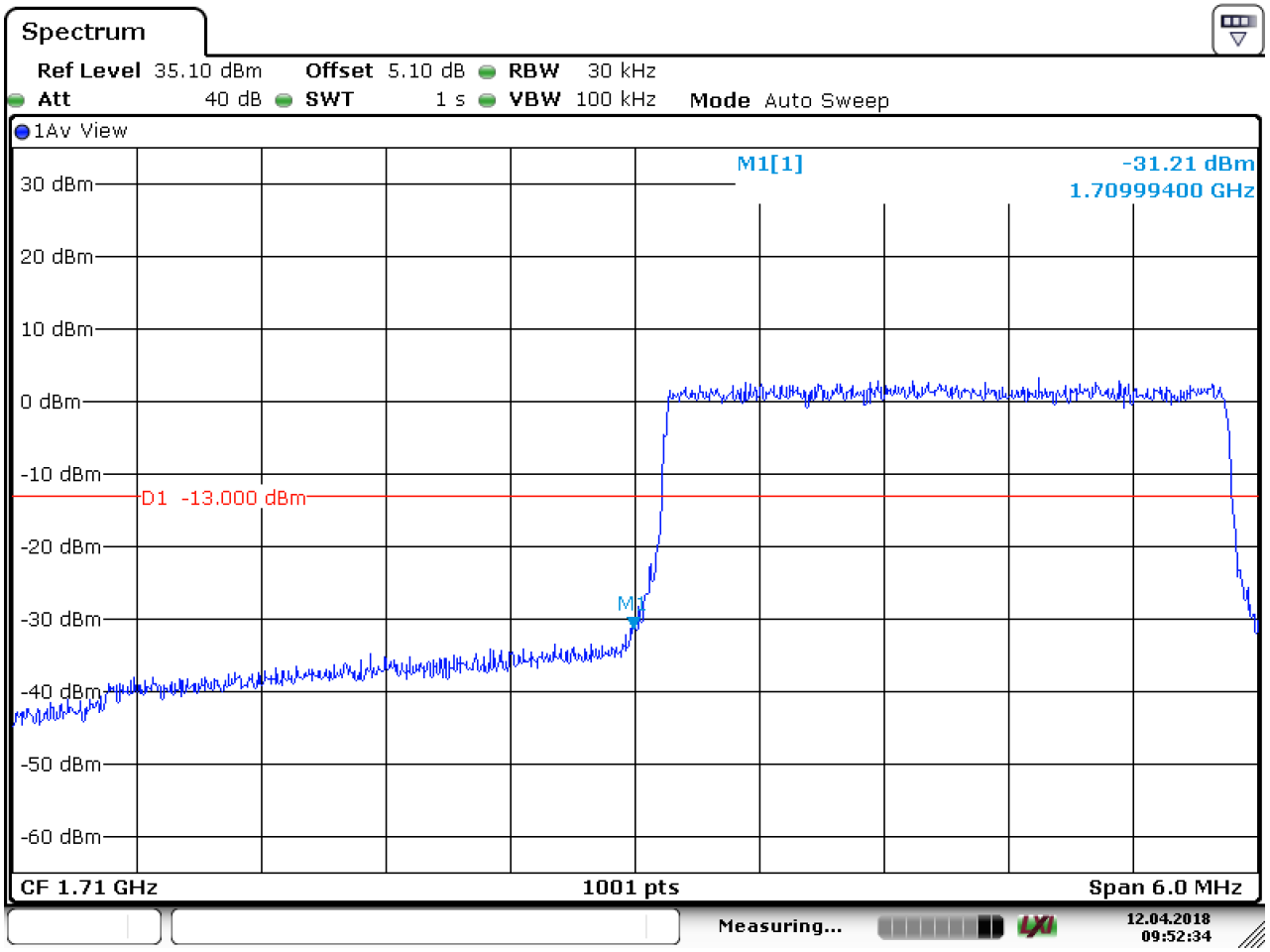
#### 5.1.1.4.1.2 Test RB=FullRBs

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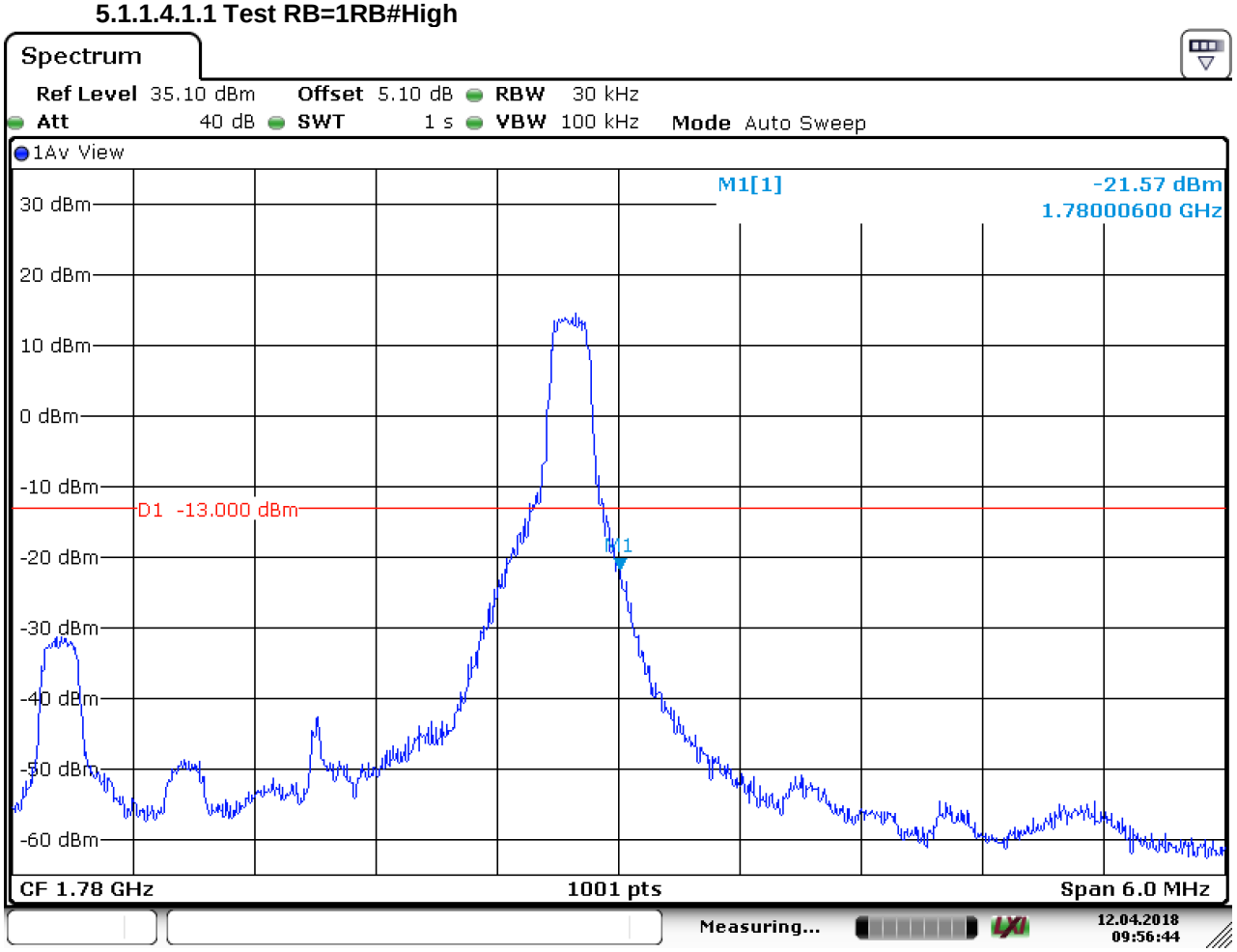
#### 5.1.1.4.1 Test Channel = HCH

##### 5.1.1.4.1.1 Test RB=1RB#High

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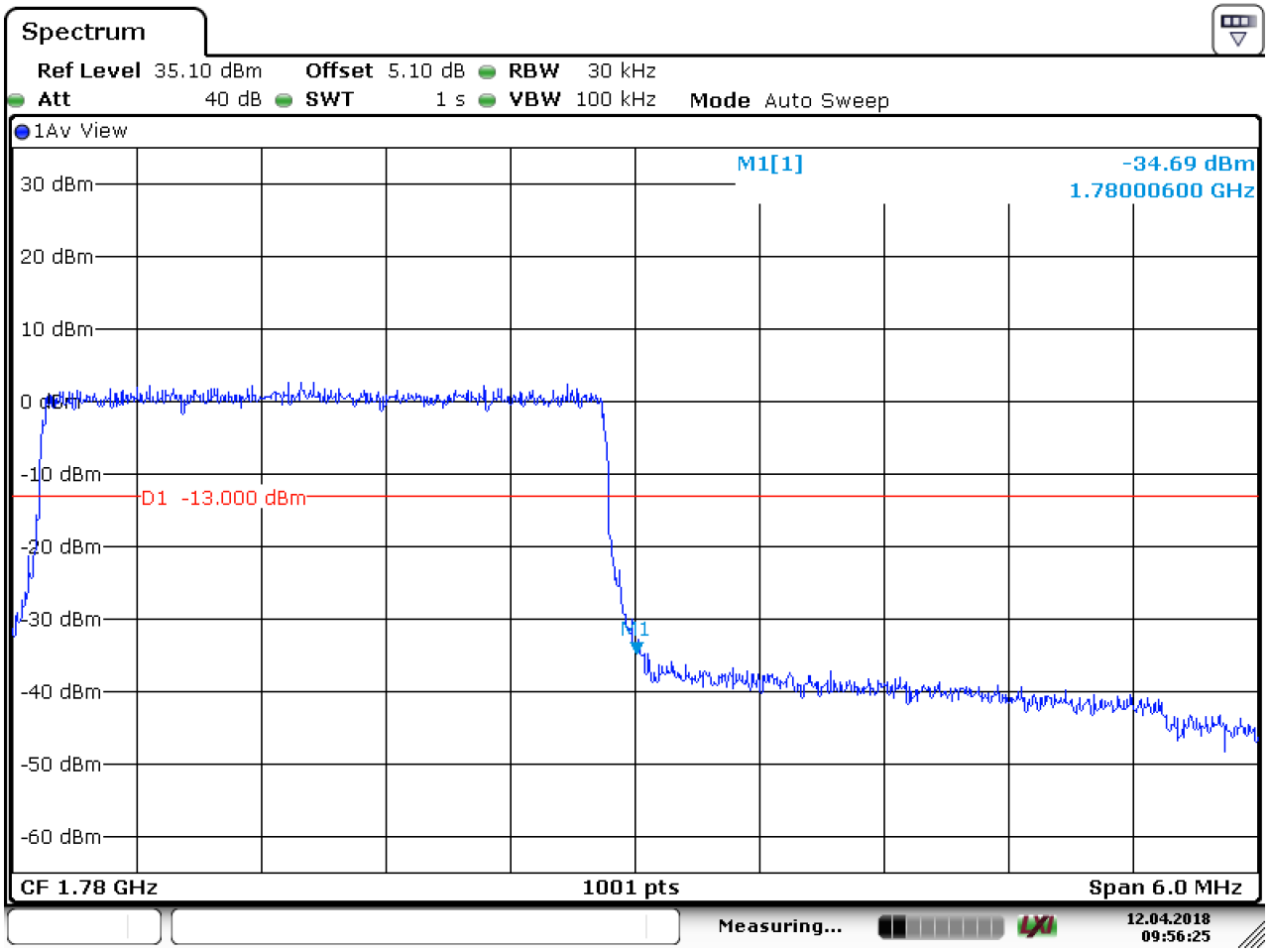
#### 5.1.1.4.1.2 Test RB=FullRBs

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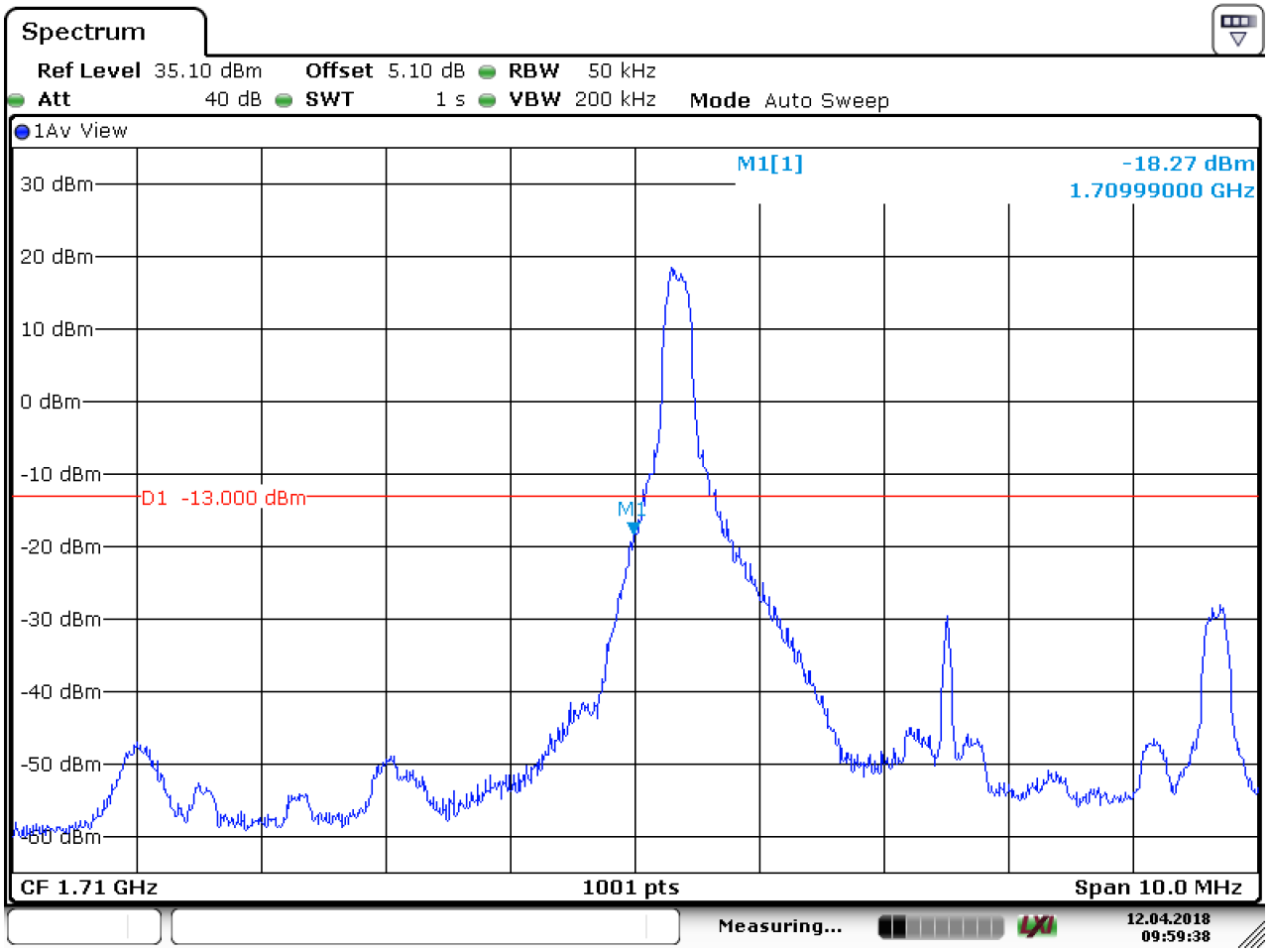
### 5.1.1.5 Test Mode = LTE/TM1 5MHz

#### 5.1.1.5.1 Test Channel = LCH

##### 5.1.1.5.1.1 Test RB=1RB#Low

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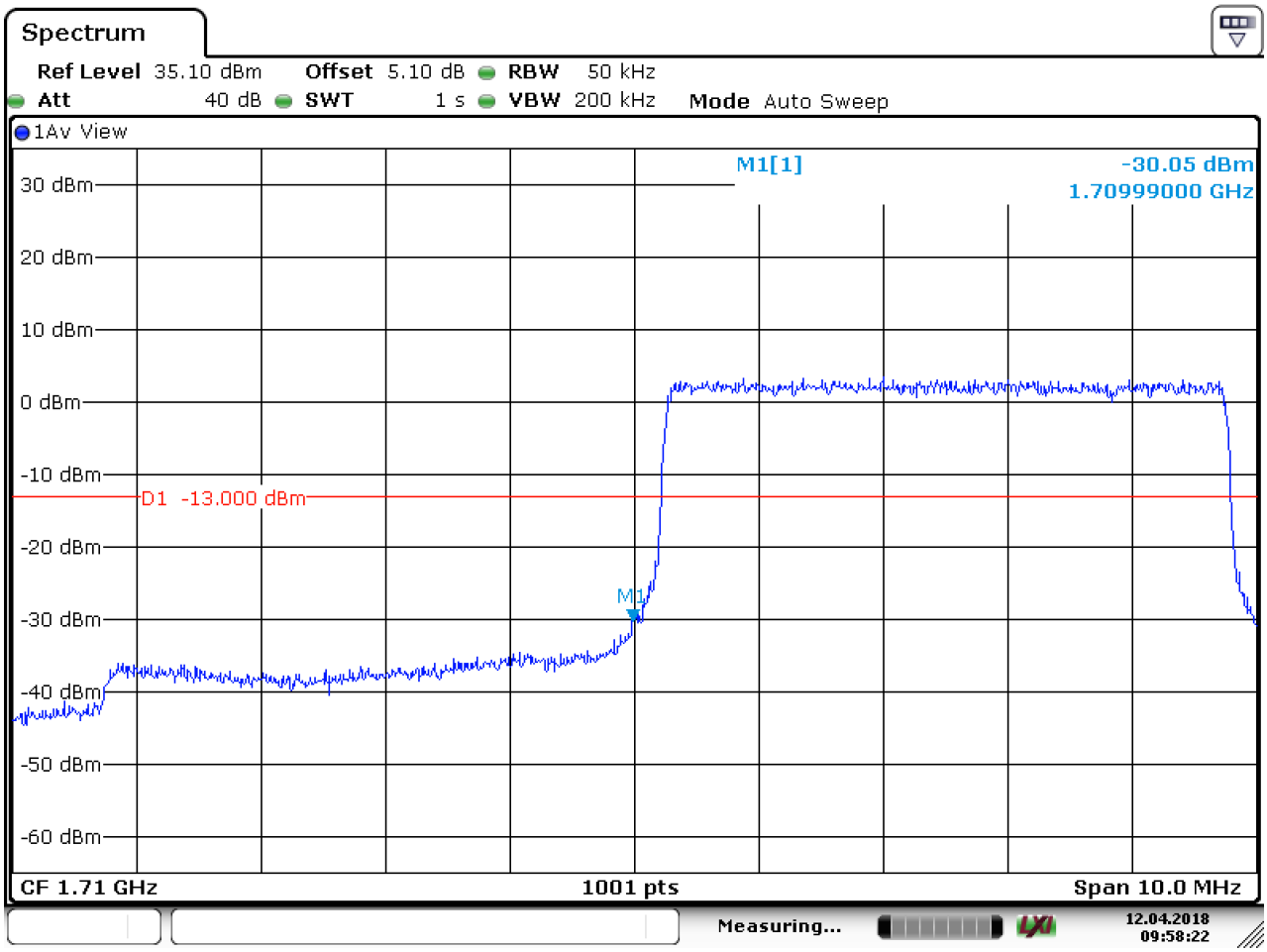
### 5.1.1.5.1.2 Test RB=FullRBs

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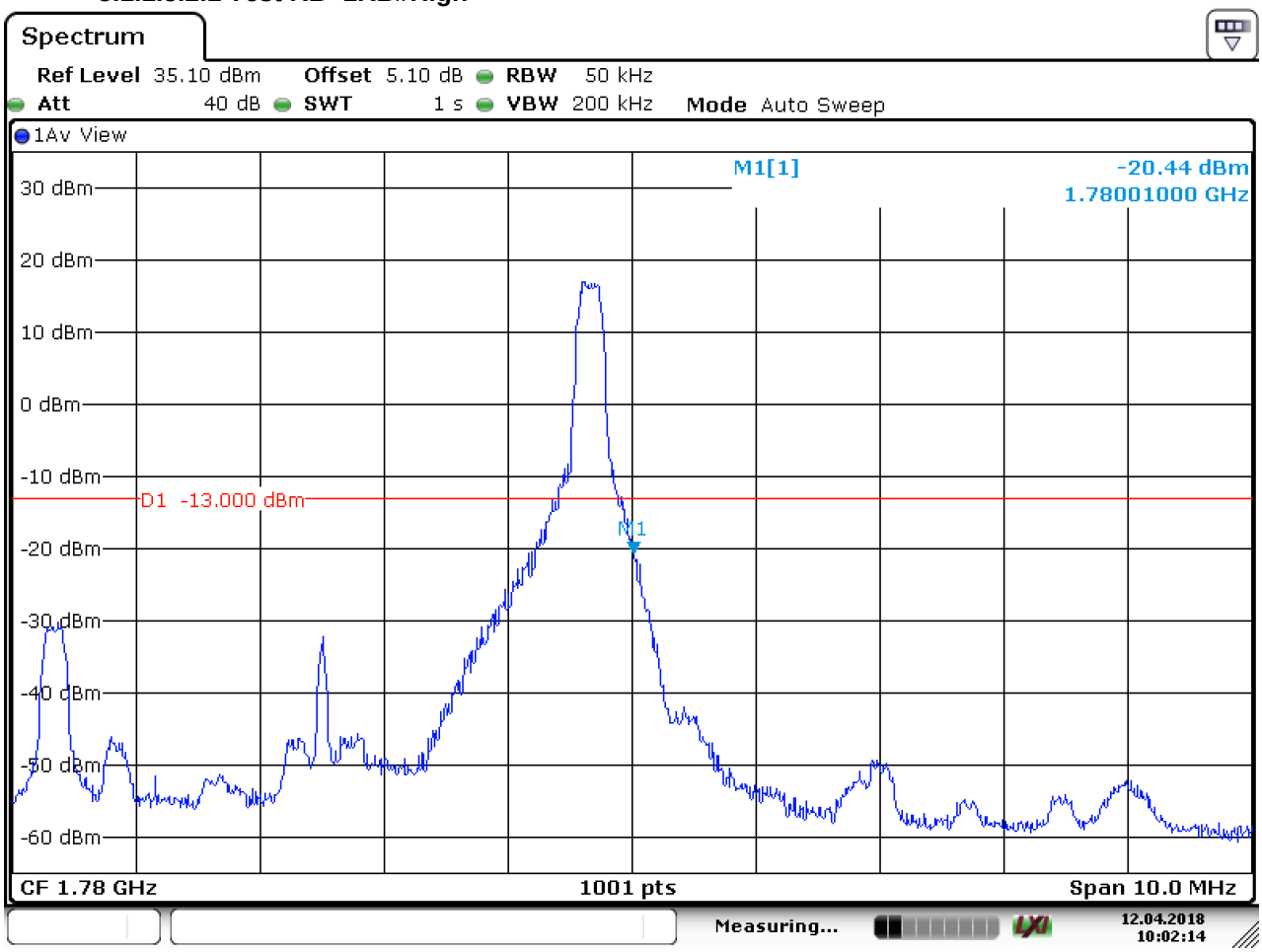
#### 5.1.1.5.2 Test Channel = HCH

##### 5.1.1.5.2.1 Test RB=1RB#High

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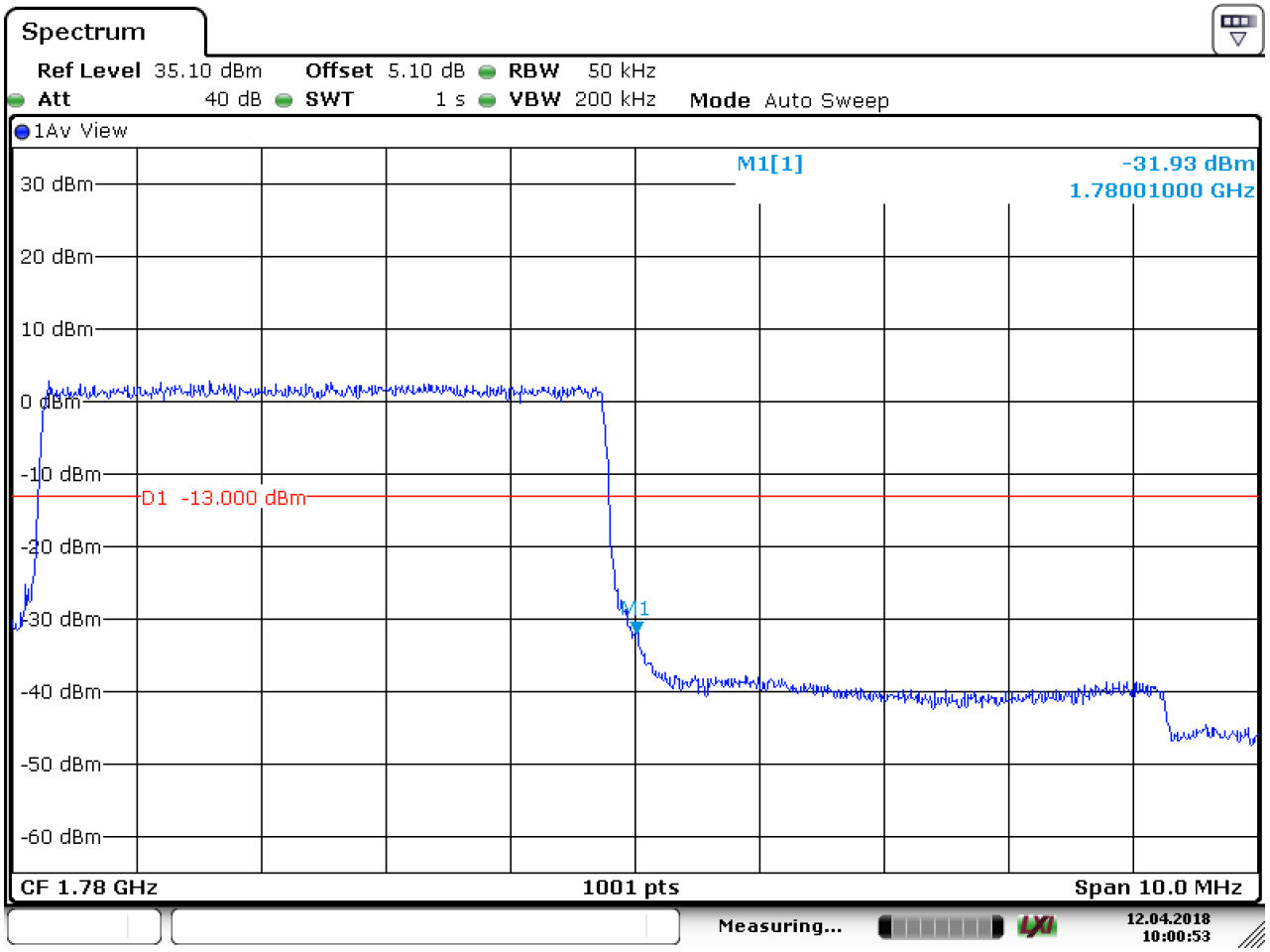
### 5.1.1.5.2.2 Test RB=FullRBs

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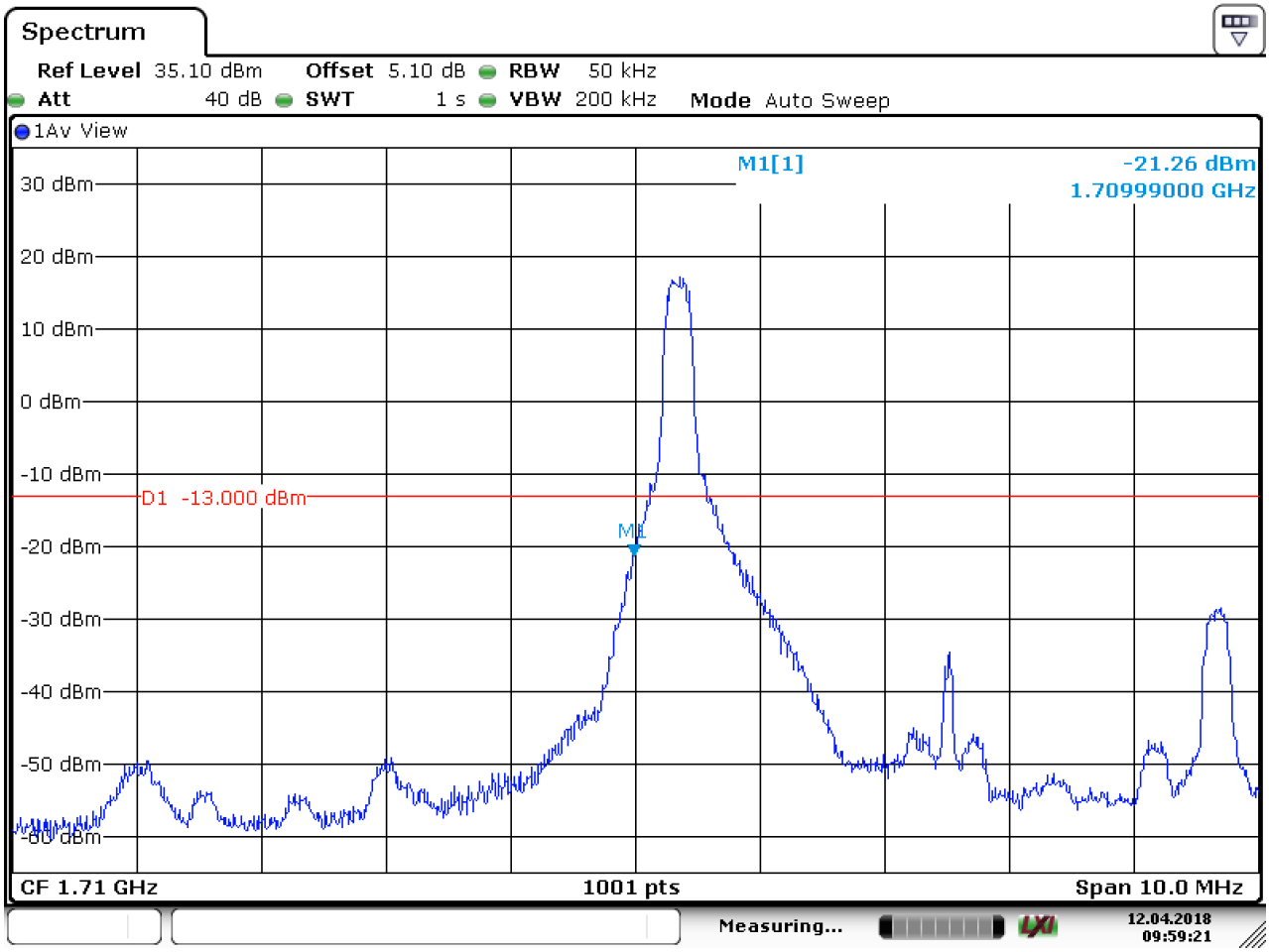
### 5.1.1.6 Test Mode = LTE/TM2 5MHz

#### 5.1.1.6.1 Test Channel = LCH

##### 5.1.1.6.1.1 Test RB=1RB#Low

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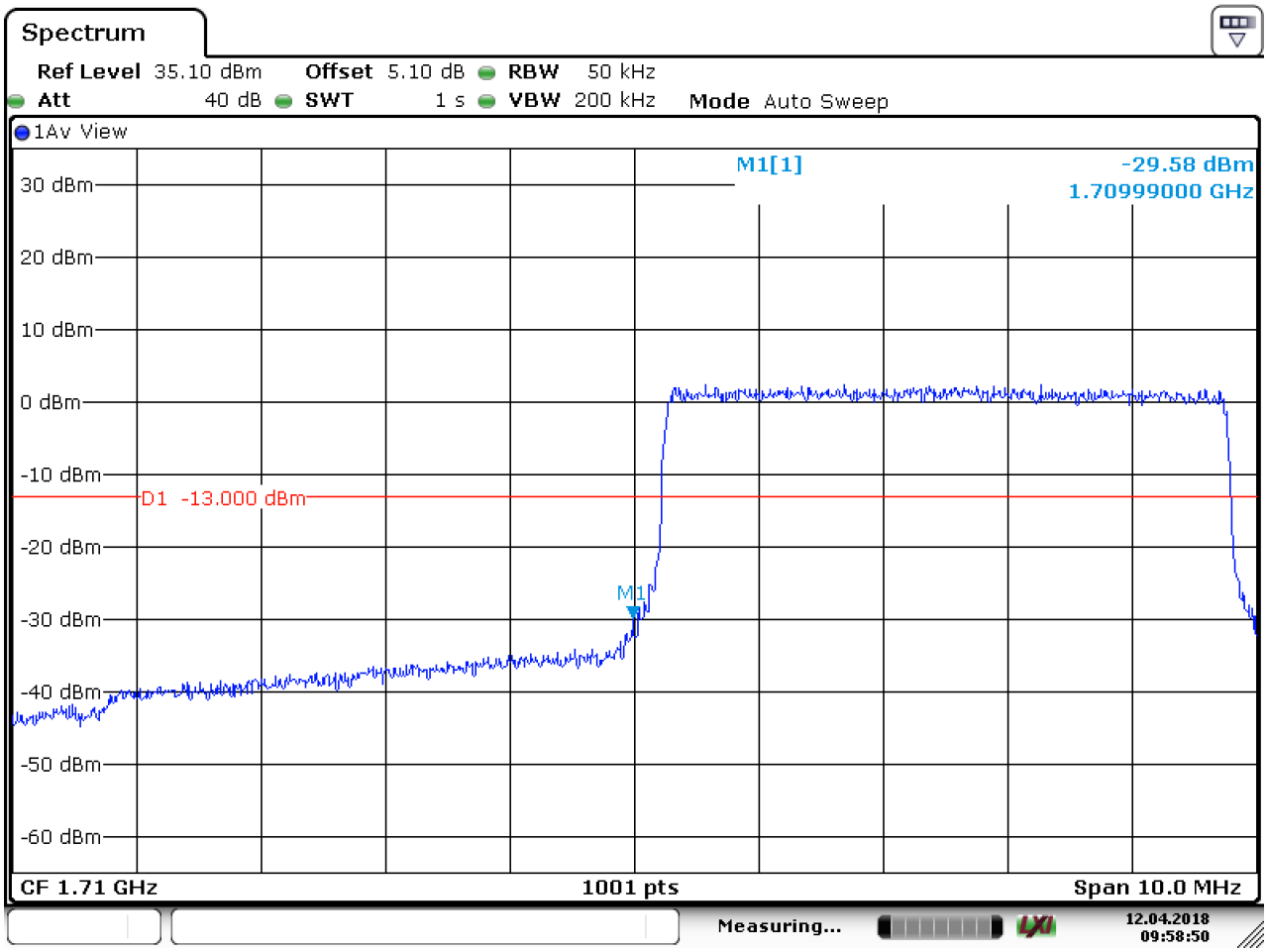
### 5.1.1.6.1.2 Test RB=FullRBs

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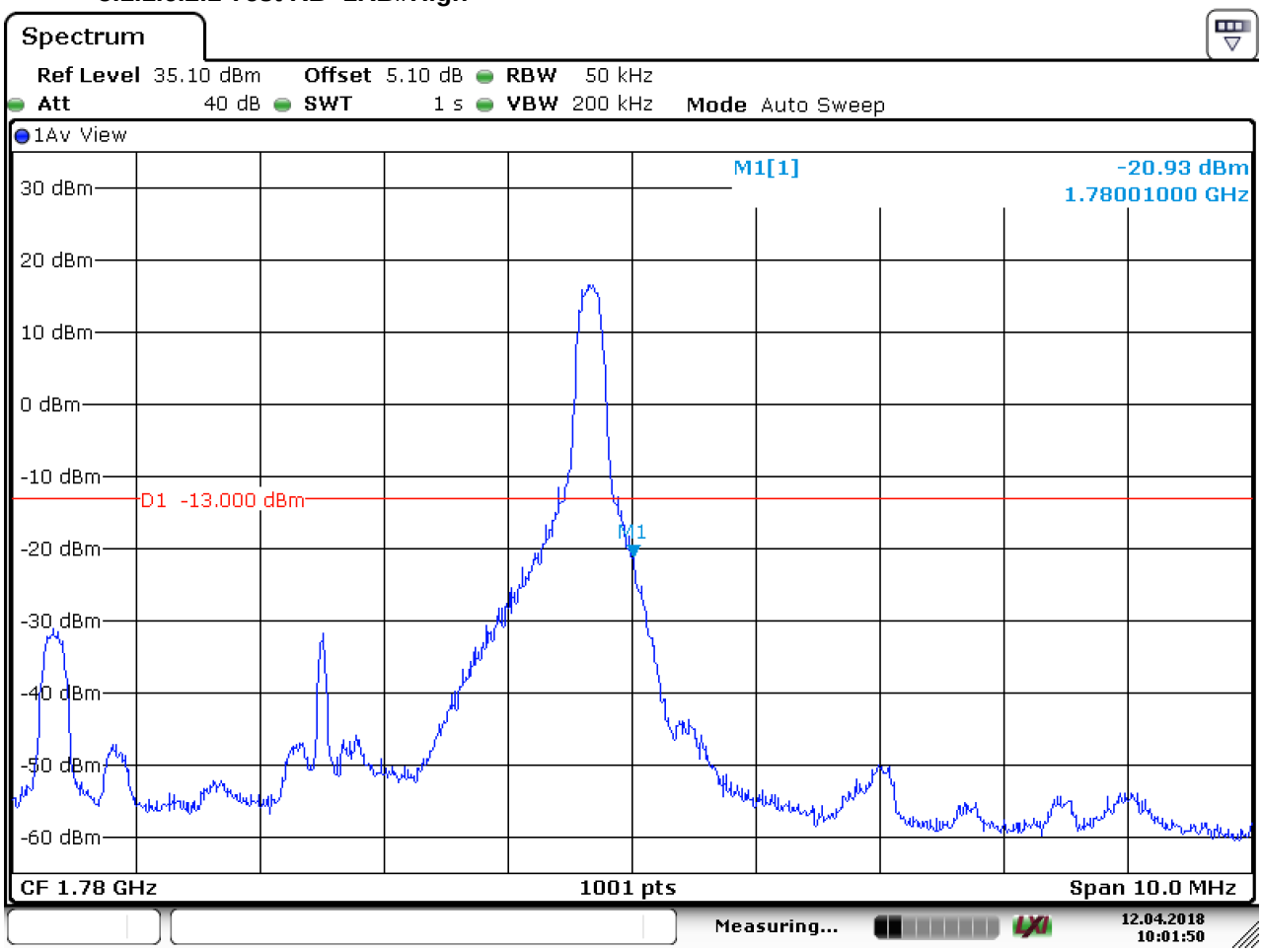
#### 5.1.1.6.2 Test Channel = HCH

##### 5.1.1.6.2.1 Test RB=1RB#High

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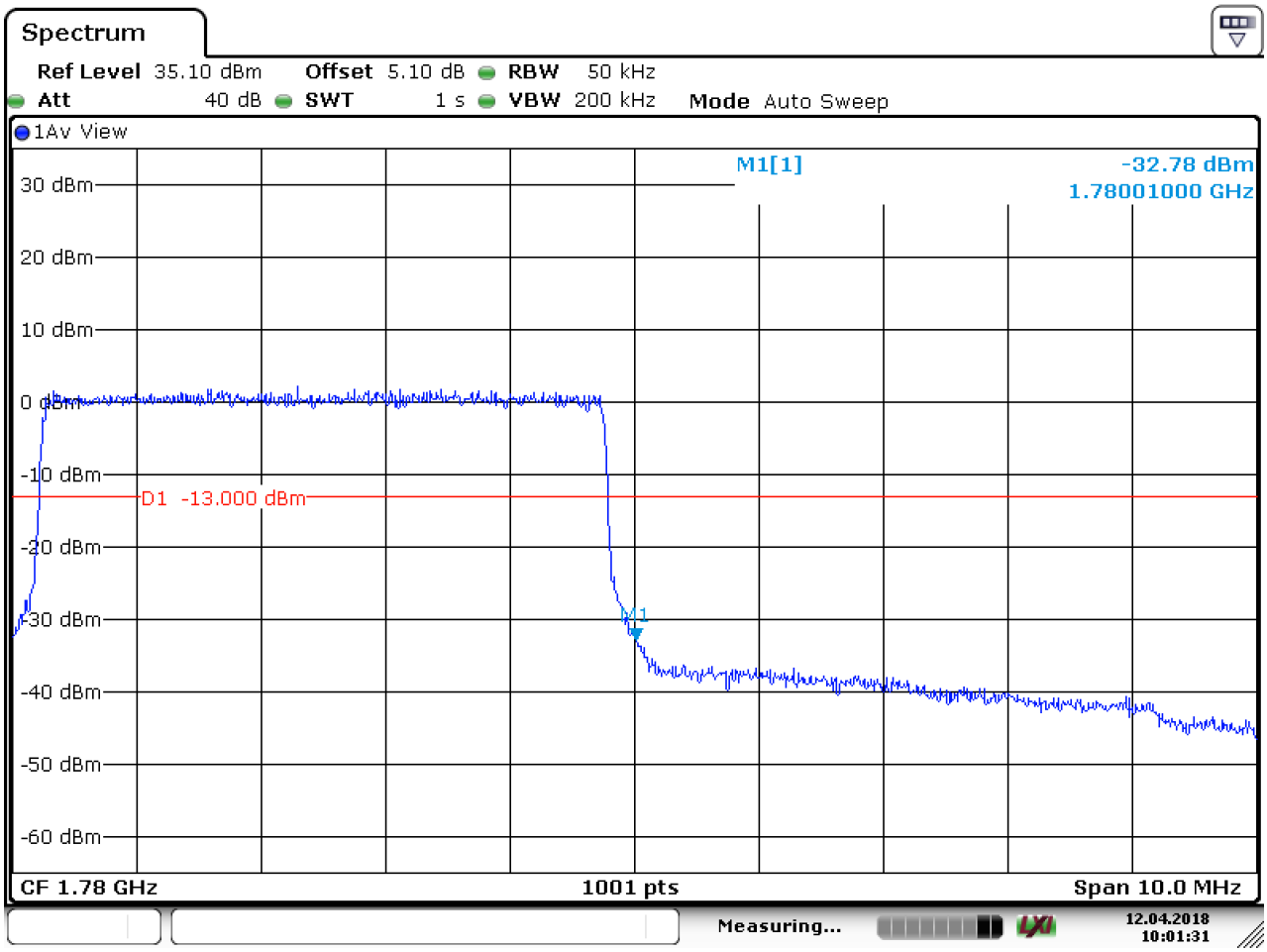
### 5.1.1.6.2.2 Test RB=FullRBs

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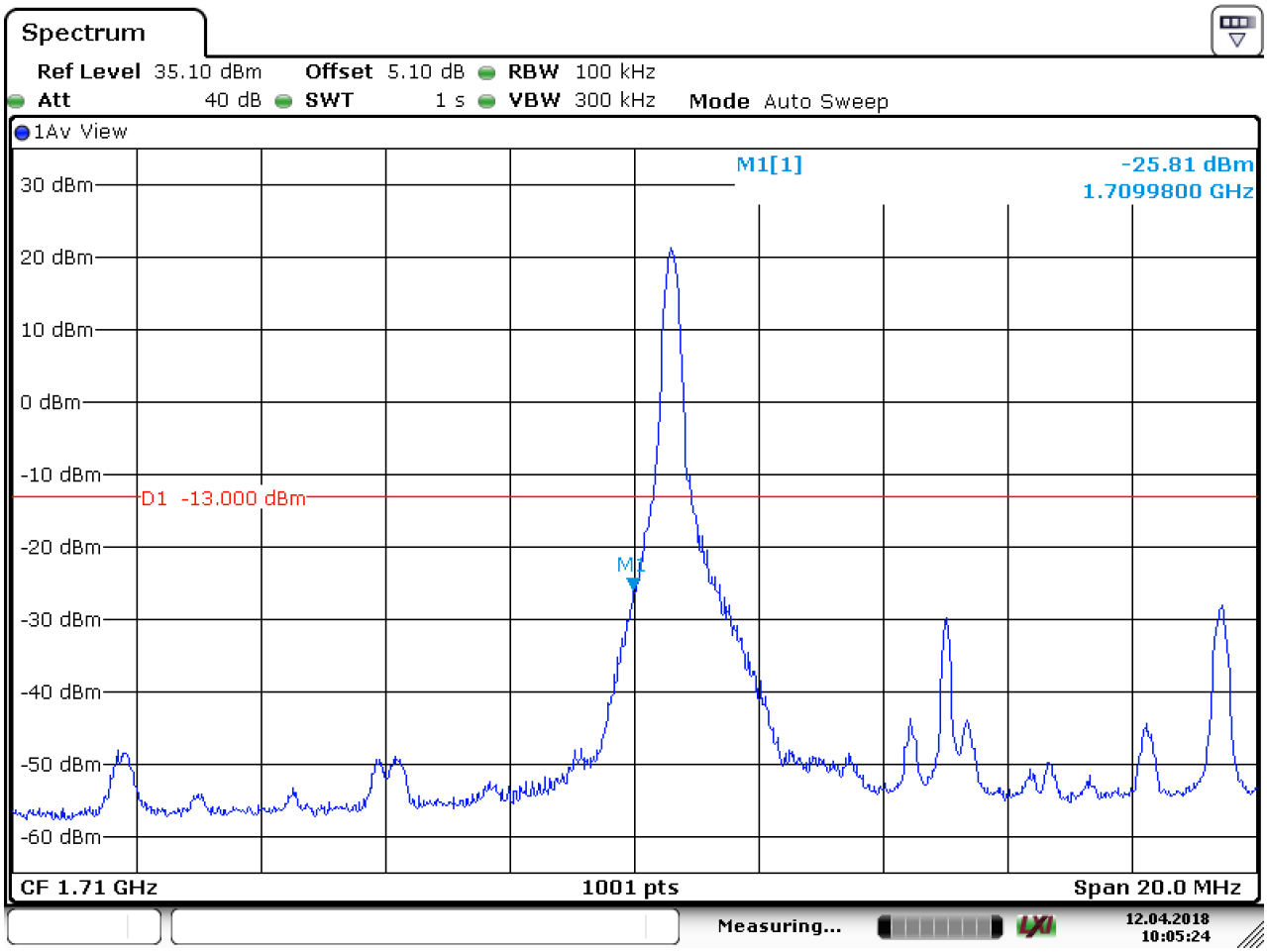
### 5.1.1.7 Test Mode = LTE/TM1 10MHz

#### 5.1.1.7.1 Test Channel = LCH

##### 5.1.1.7.1.1 Test RB=1RB#Low

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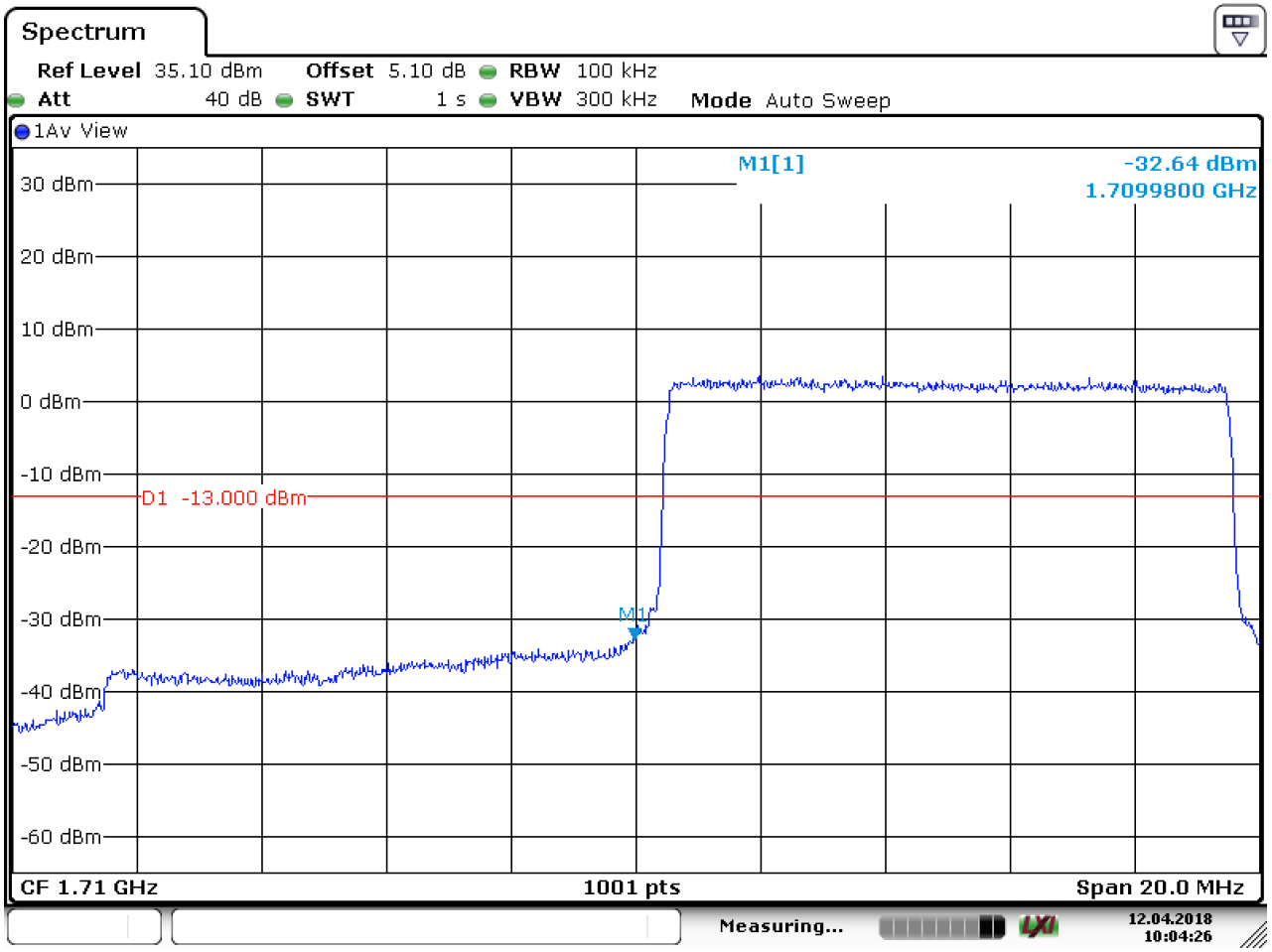
#### 5.1.1.7.1.2 Test RB=FullRBs

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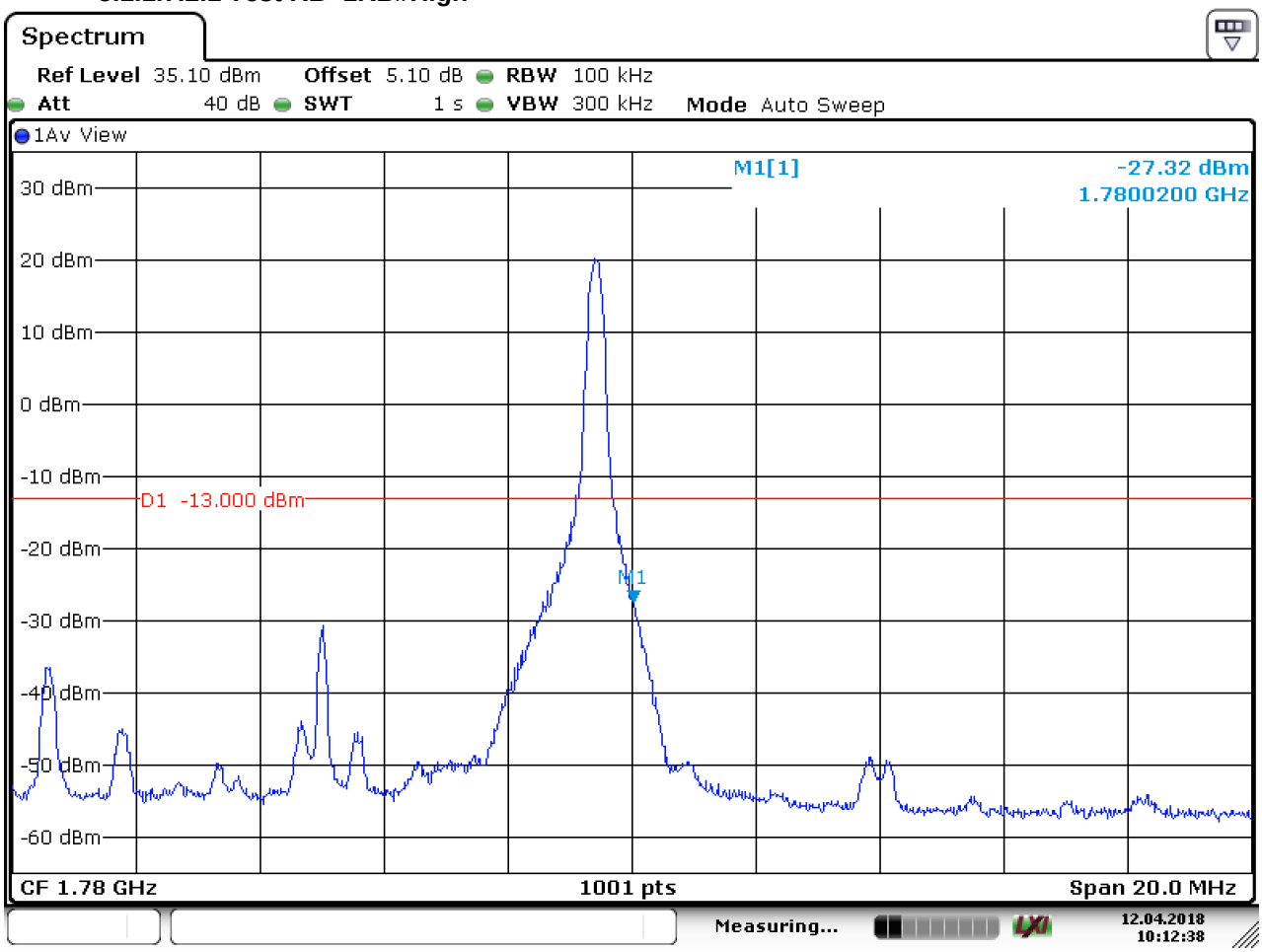
#### 5.1.1.7.2 Test Channel = HCH

##### 5.1.1.7.2.1 Test RB=1RB#High

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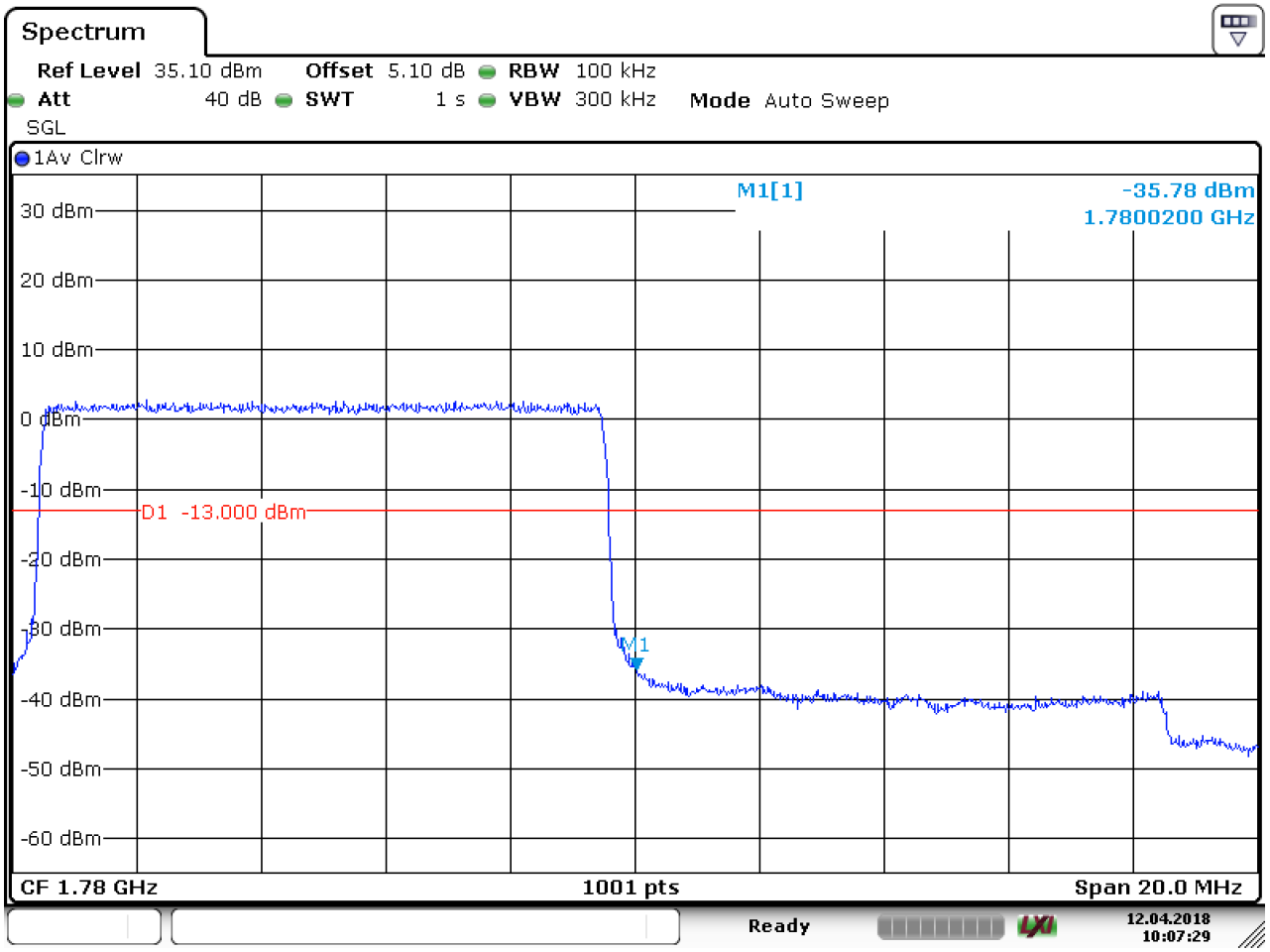
#### 5.1.1.7.2.2 Test RB=FullRBs

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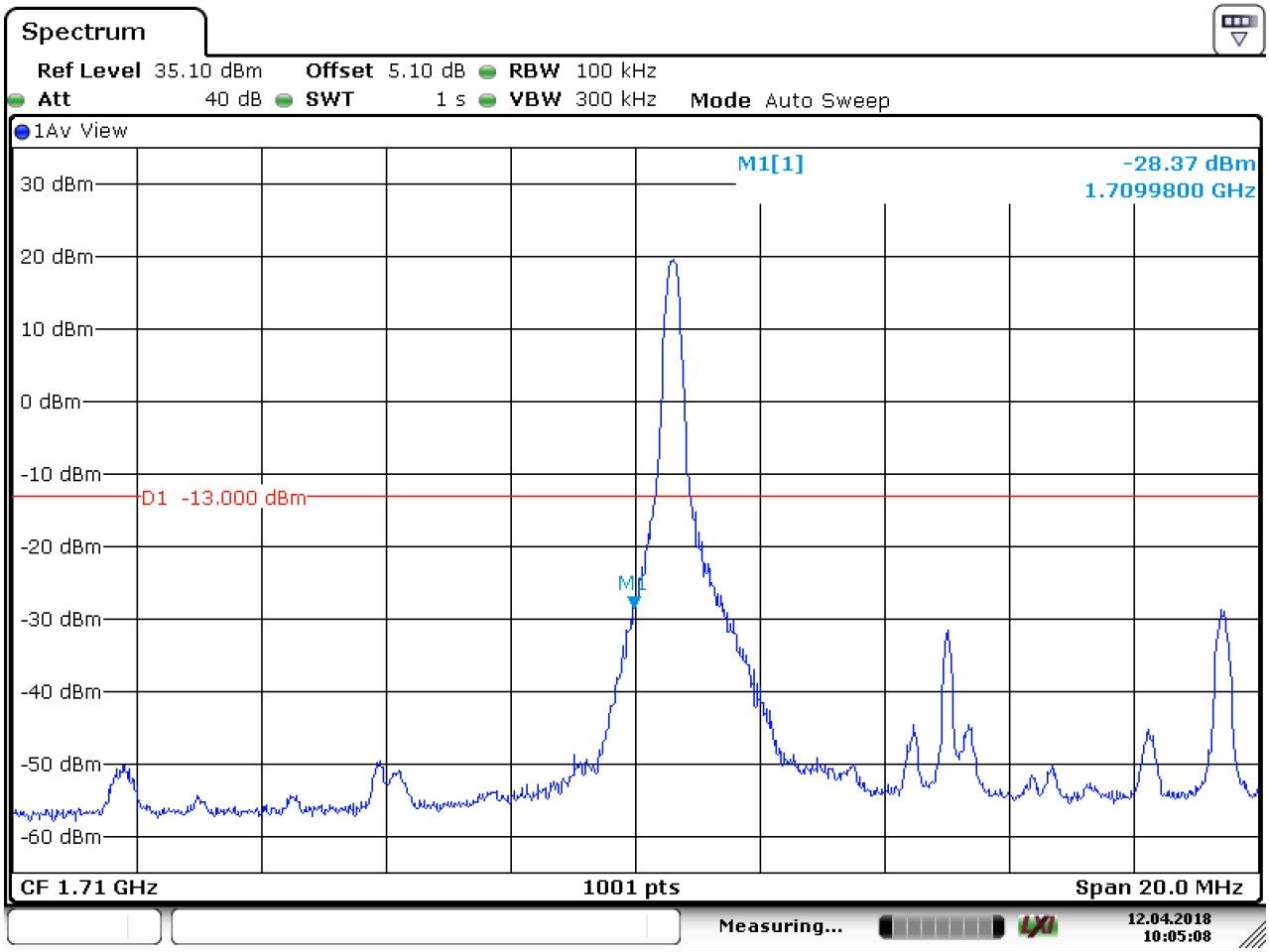
#### 5.1.1.8 Test Mode = LTE/TM2 10MHz

##### 5.1.1.8.1 Test Channel = LCH

###### 5.1.1.8.1.1 Test RB=1RB#Low

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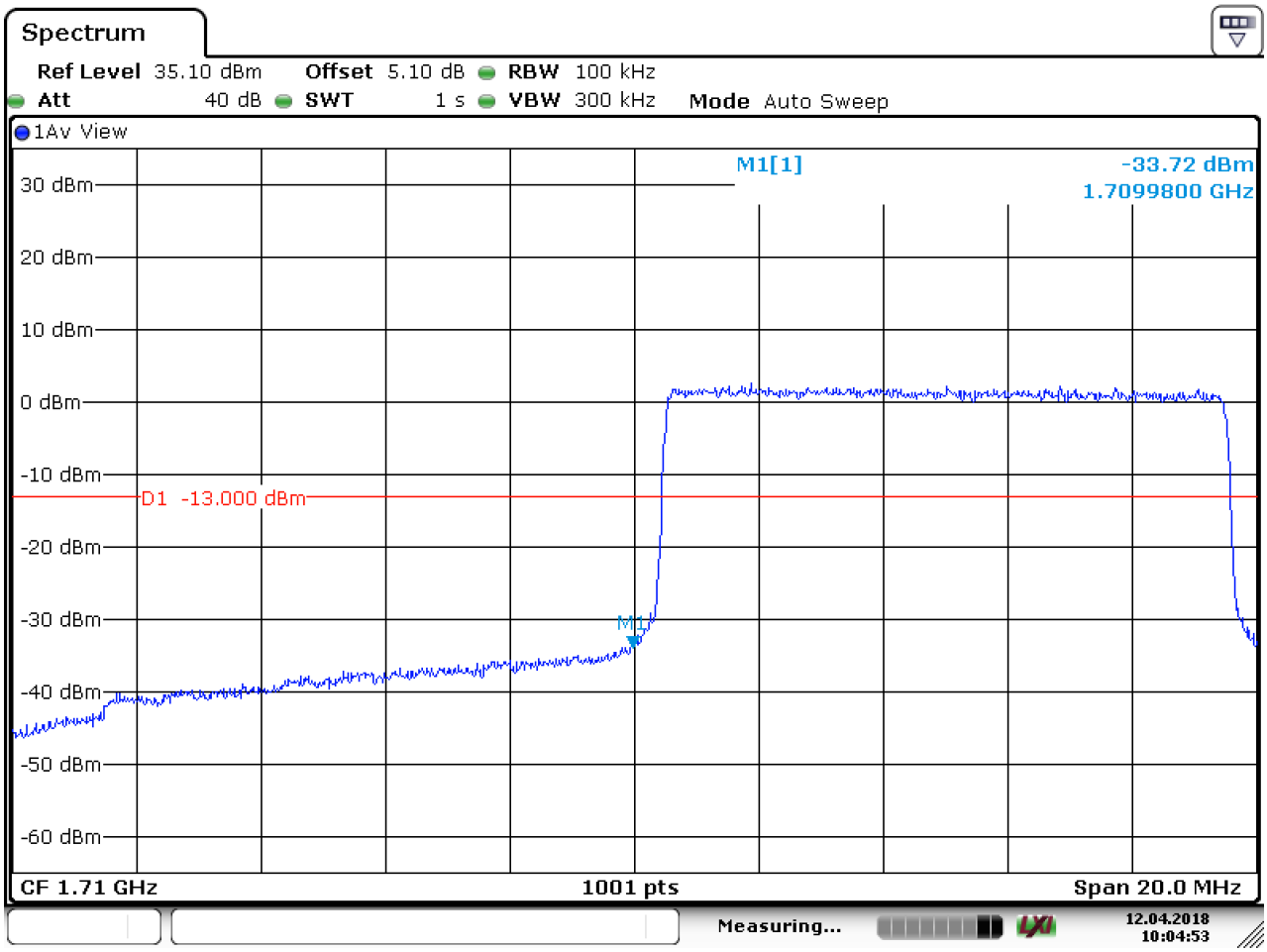
### 5.1.1.8.1.2 Test RB=FullRBs

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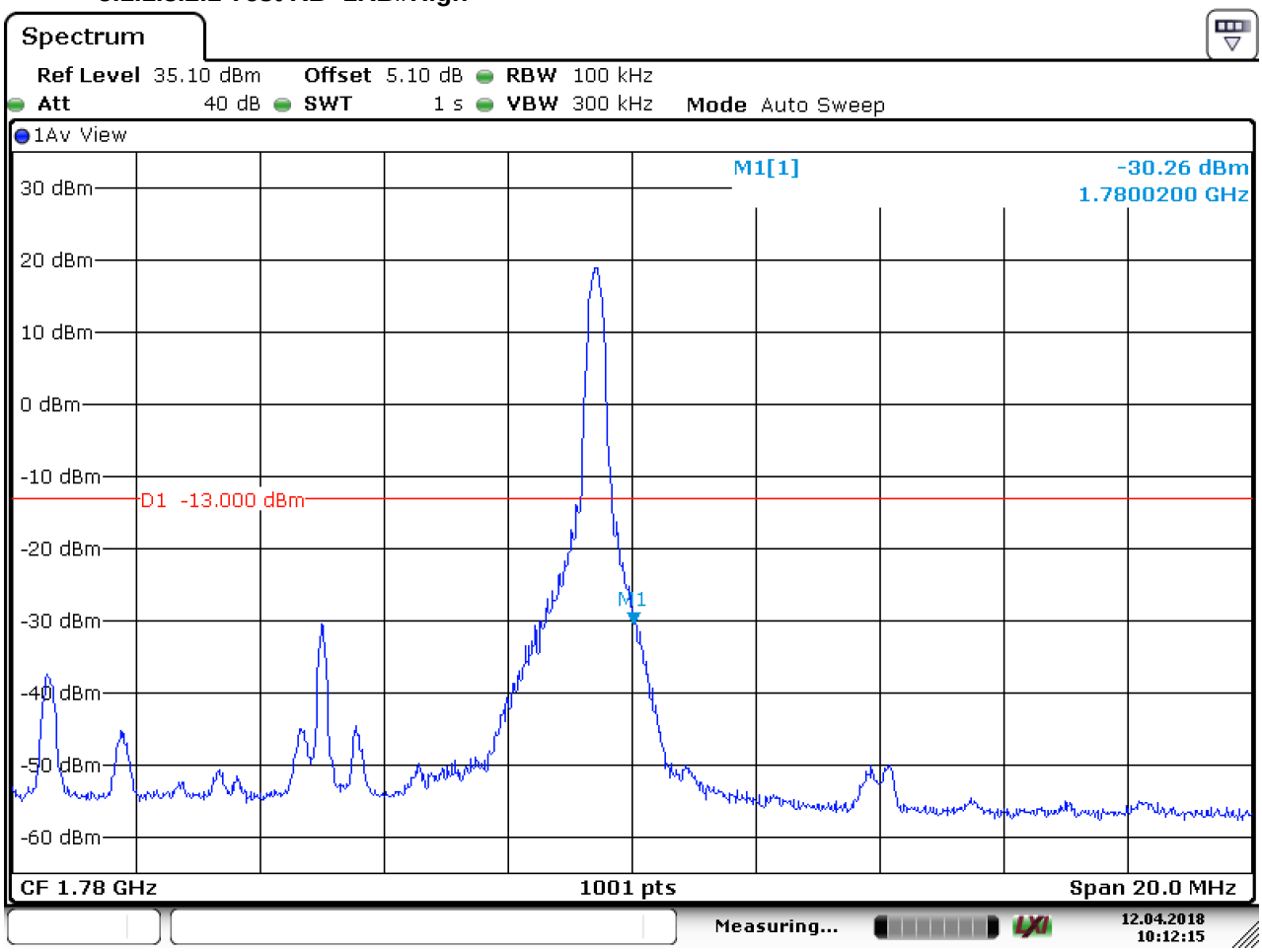
#### 5.1.1.8.2 Test Channel = HCH

##### 5.1.1.8.2.1 Test RB=1RB#High

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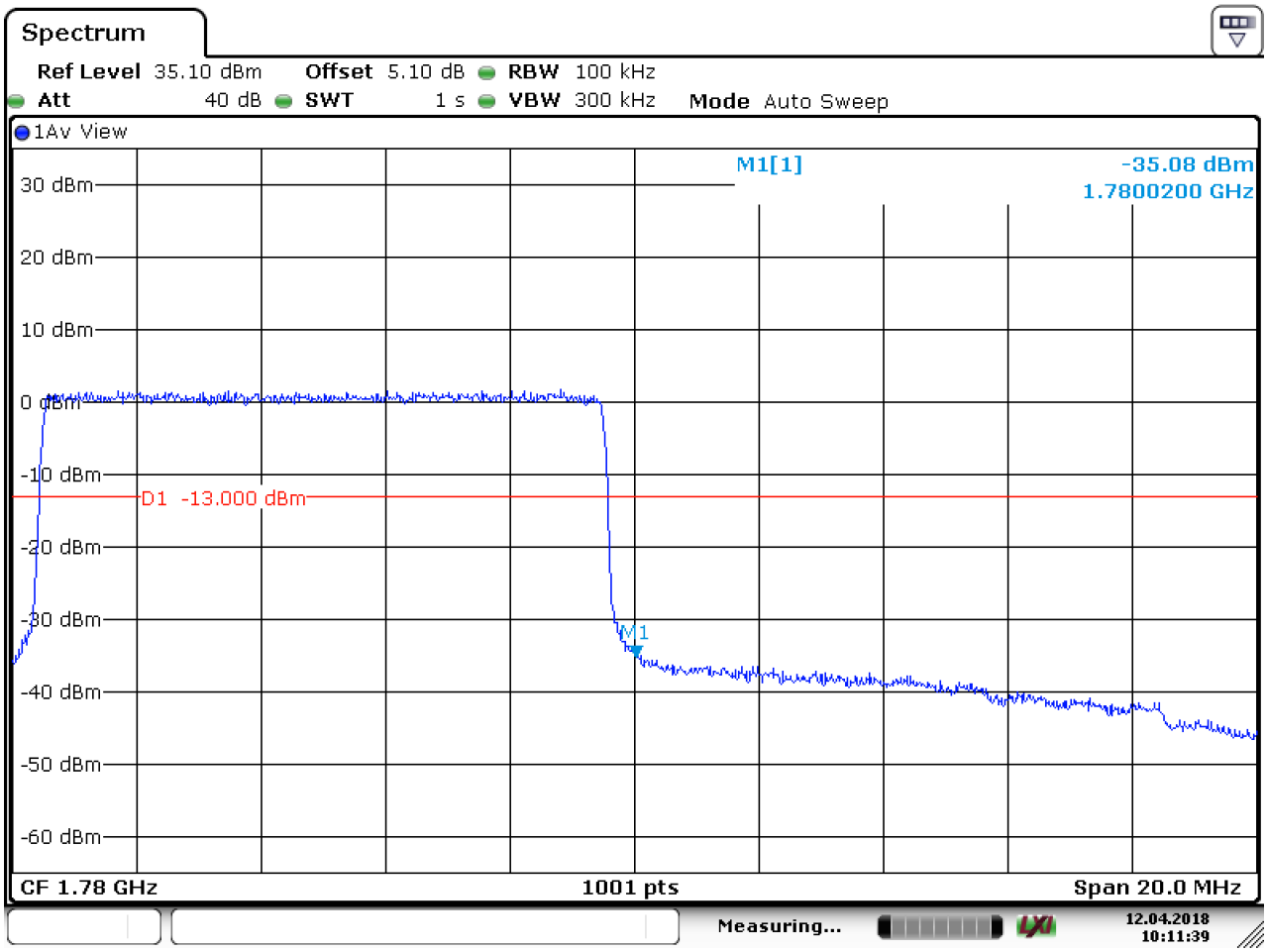
### 5.1.1.8.2.2 Test RB=FullRBs

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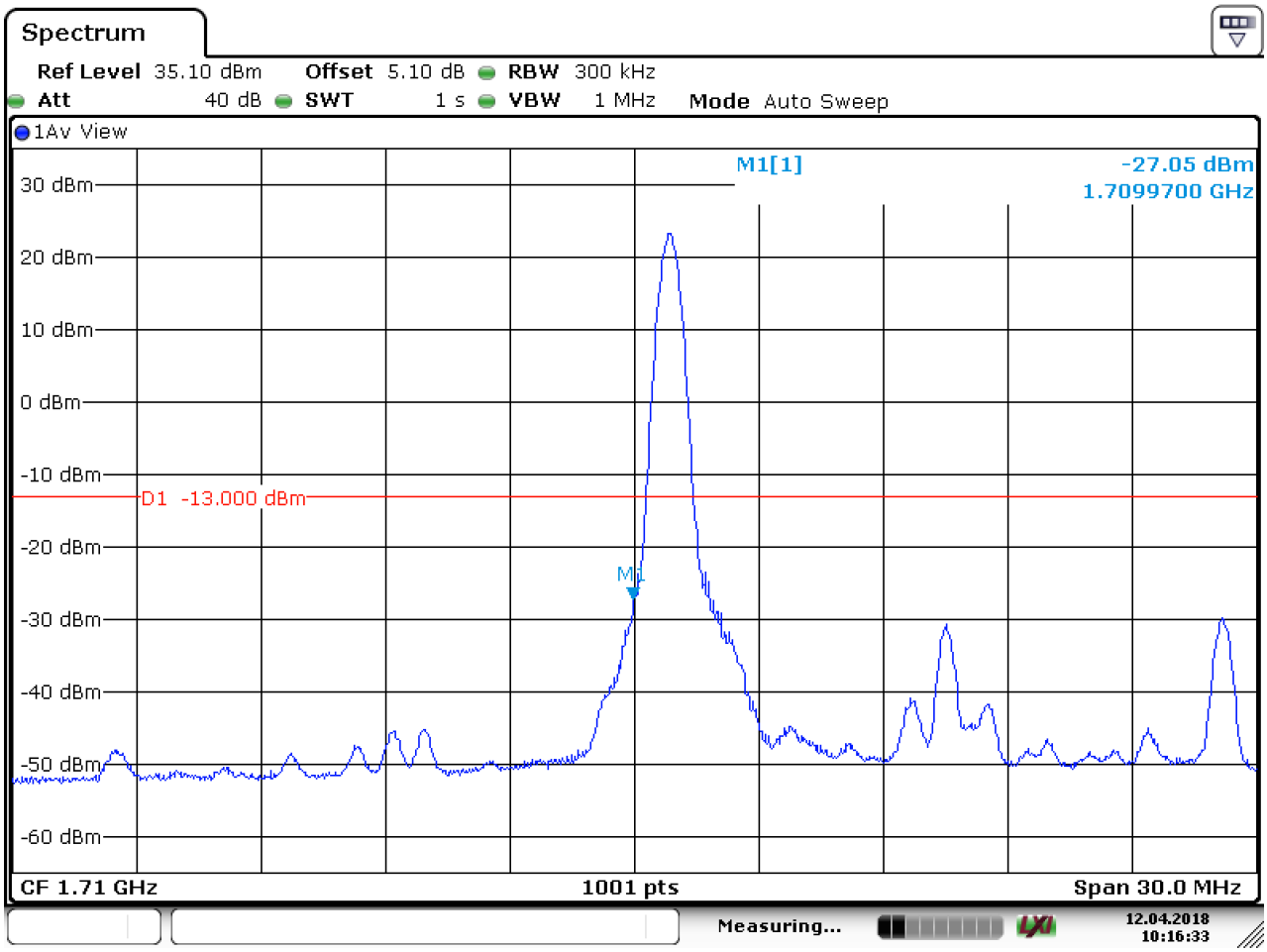
### 5.1.1.9 Test Mode = LTE/TM1 15MHz

#### 5.1.1.9.1 Test Channel = LCH

##### 5.1.1.9.1.1 Test RB=1RB#Low

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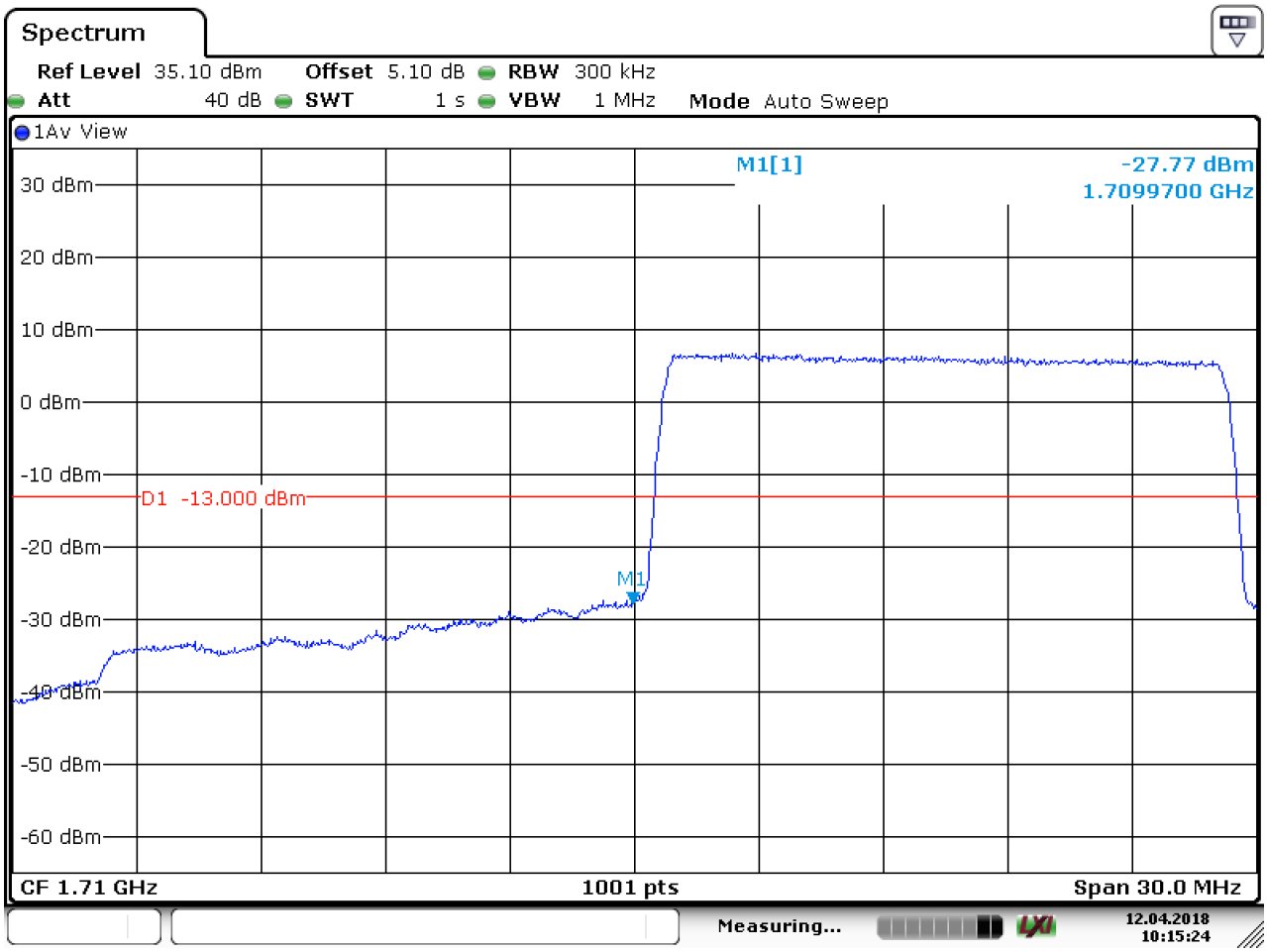
### 5.1.1.9.1.2 Test RB=FullRBs

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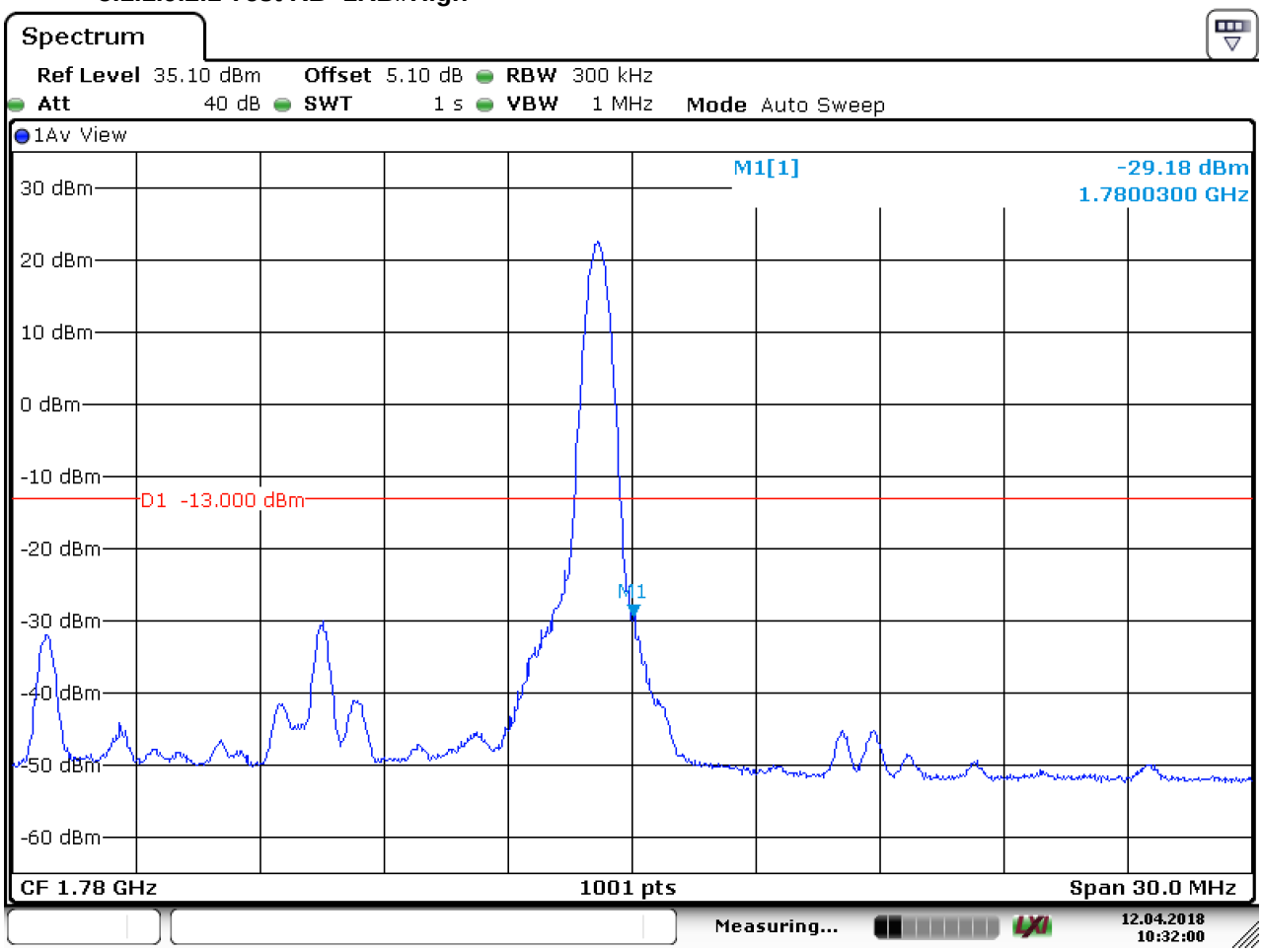
#### 5.1.1.9.2 Test Channel = HCH

##### 5.1.1.9.2.1 Test RB=1RB#High

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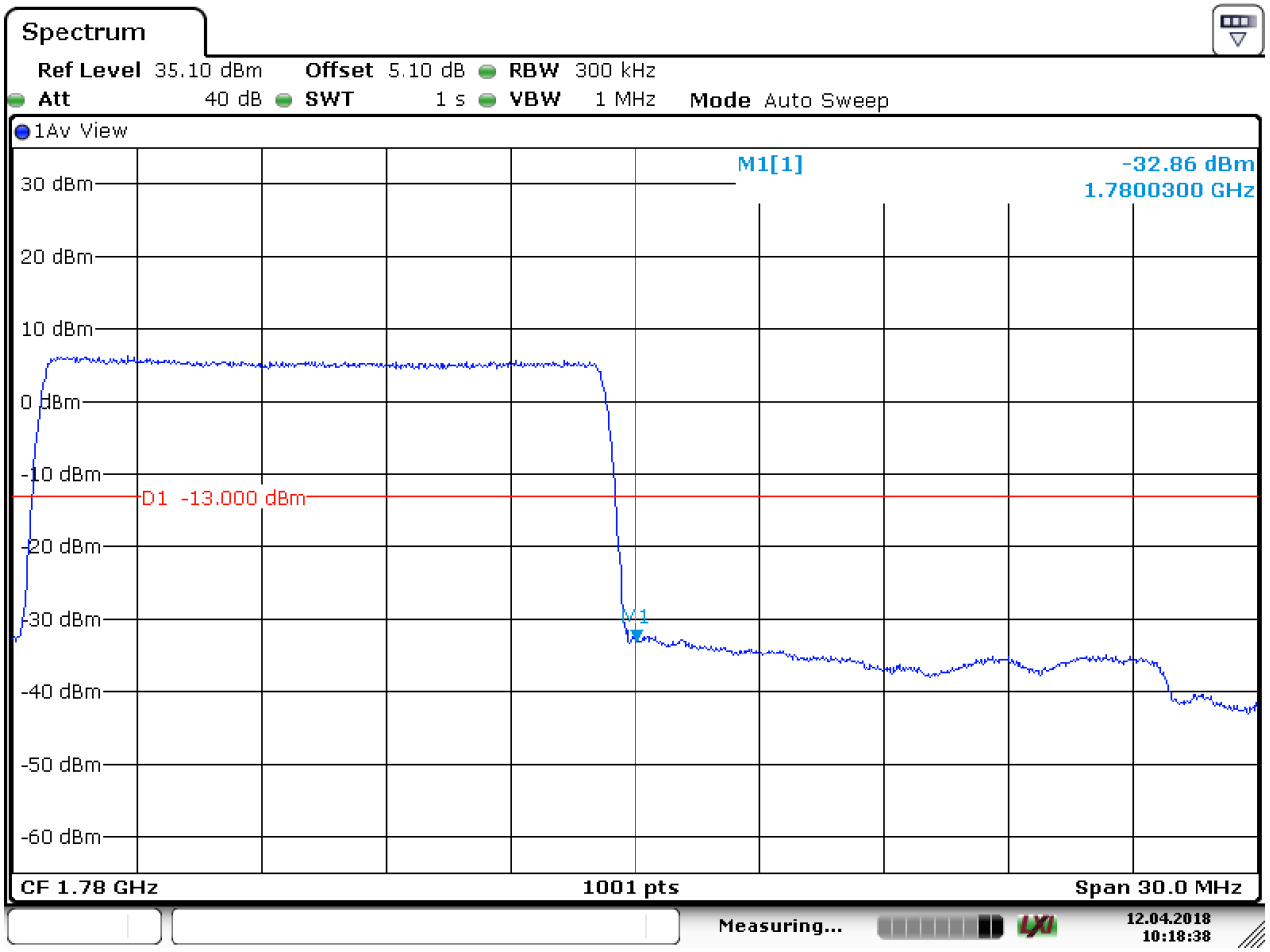
### 5.1.1.9.2.2 Test RB=FullRBs

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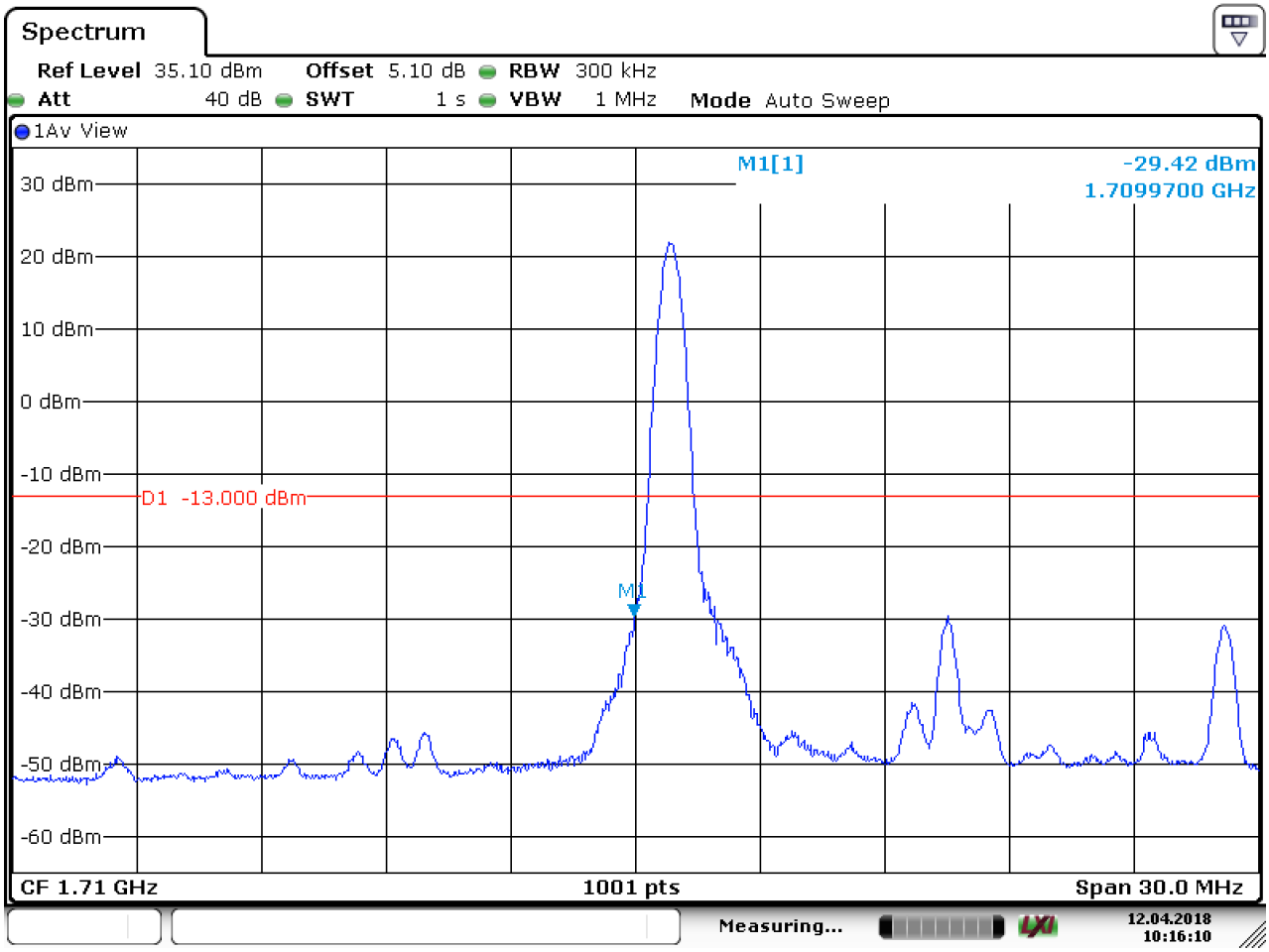
### 5.1.1.10 Test Mode = LTE/TM2 15MHz

#### 5.1.1.10.1 Test Channel = LCH

##### 5.1.1.10.1.1 Test RB=1RB#Low

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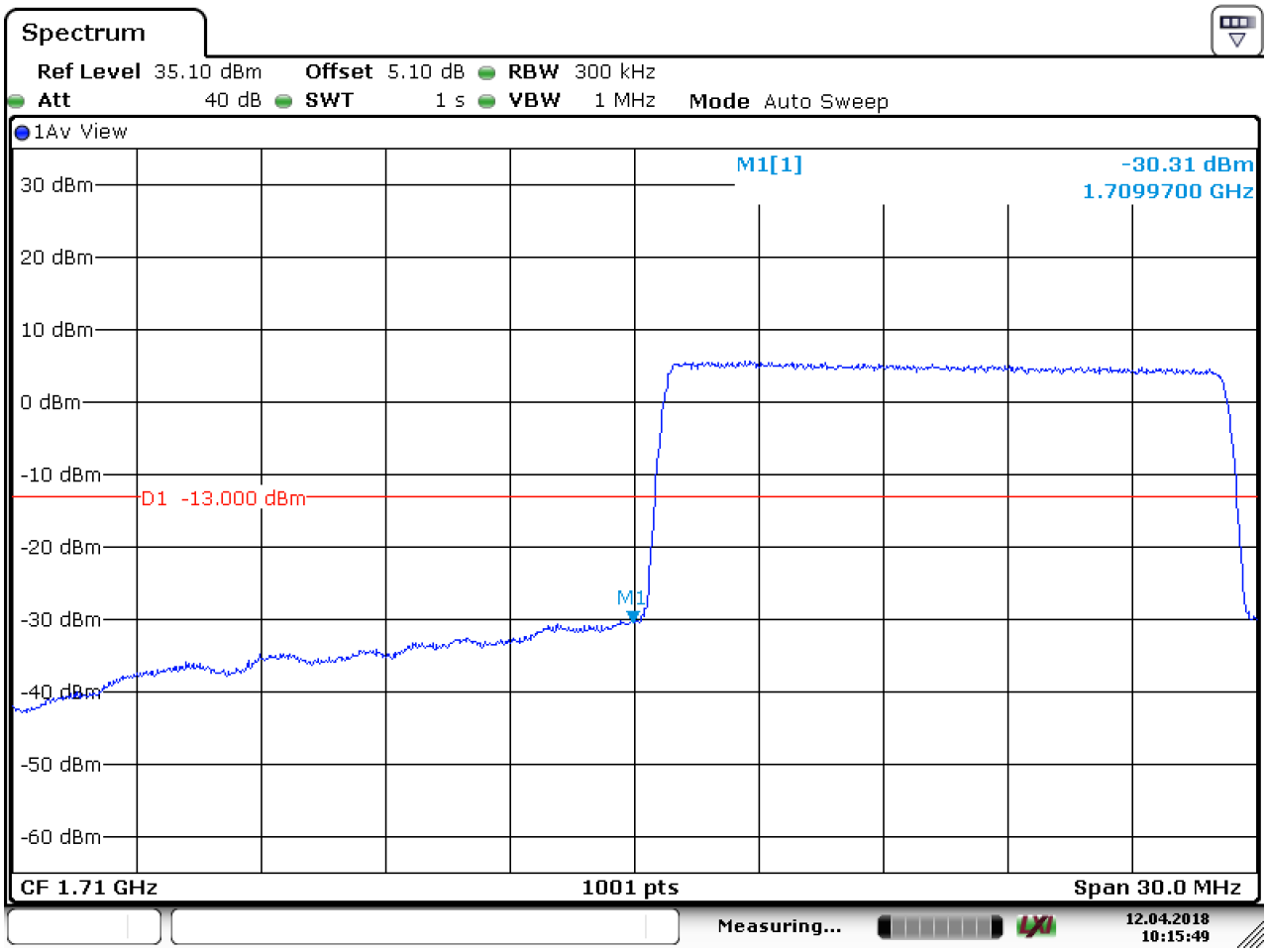
### 5.1.1.10.1.2 Test RB=FullRBs

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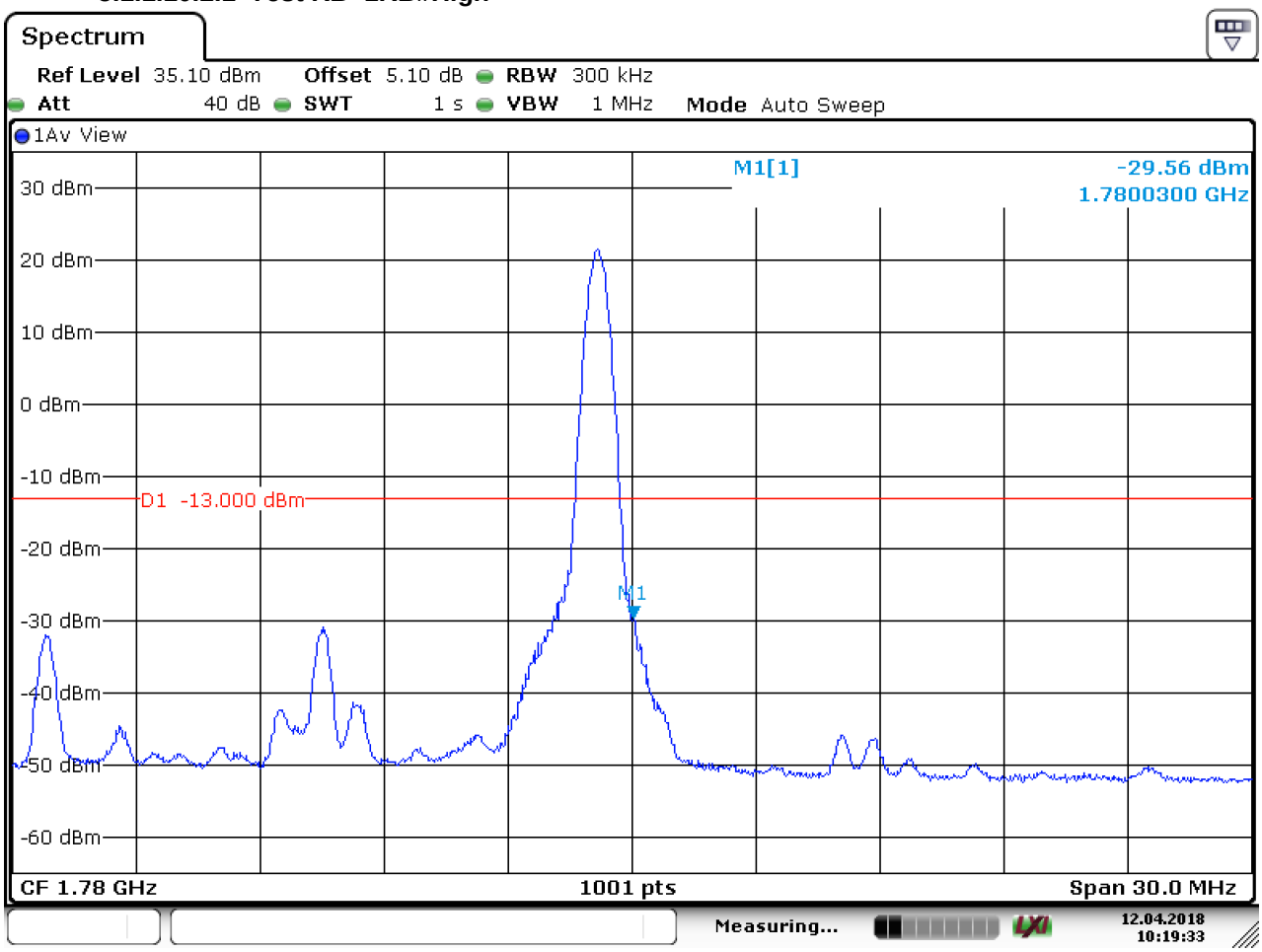
#### 5.1.1.10.2 Test Channel = HCH

##### 5.1.1.10.2.1 Test RB=1RB#High

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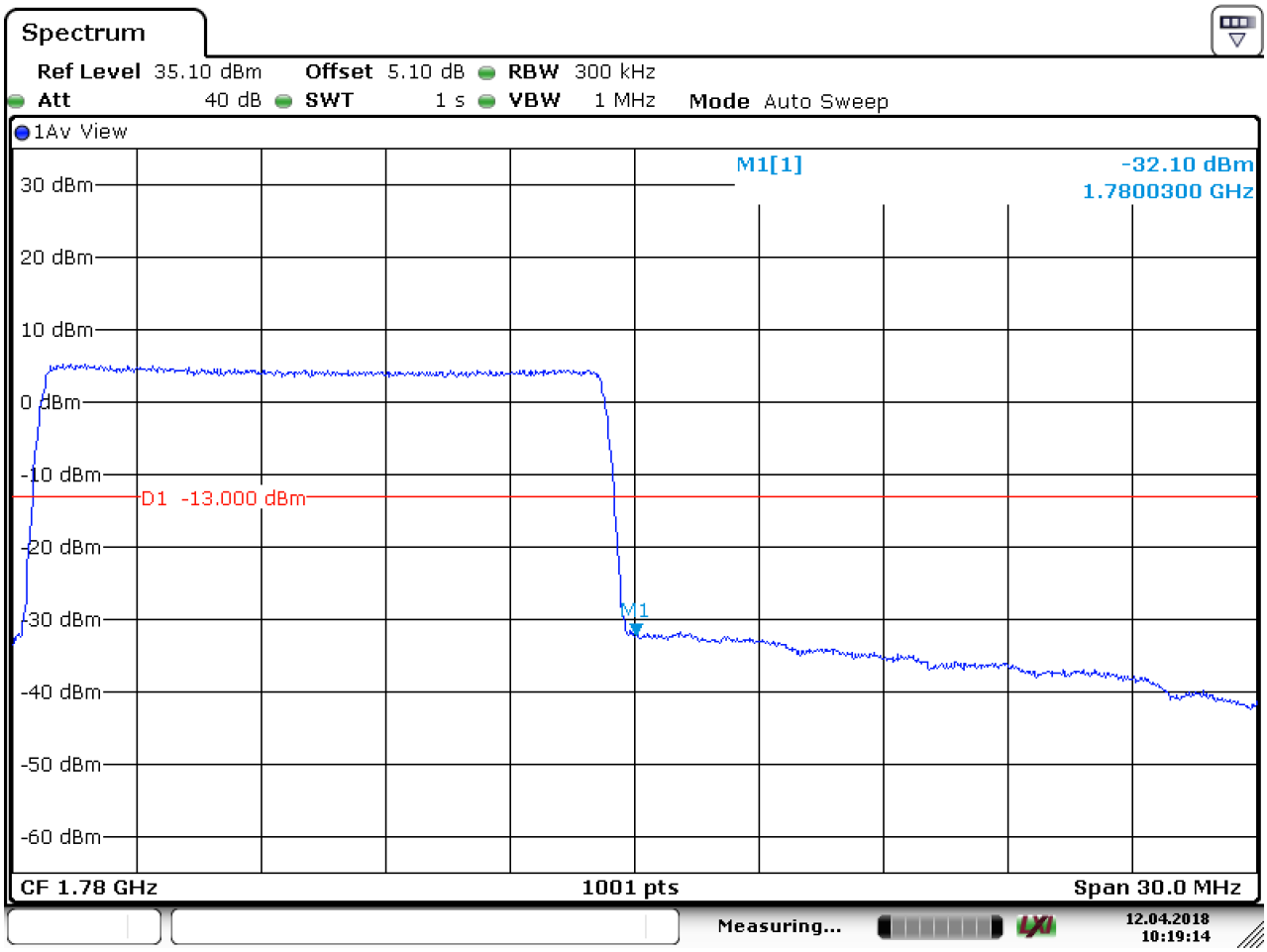
### 5.1.1.10.2.2 Test RB=FullRBs

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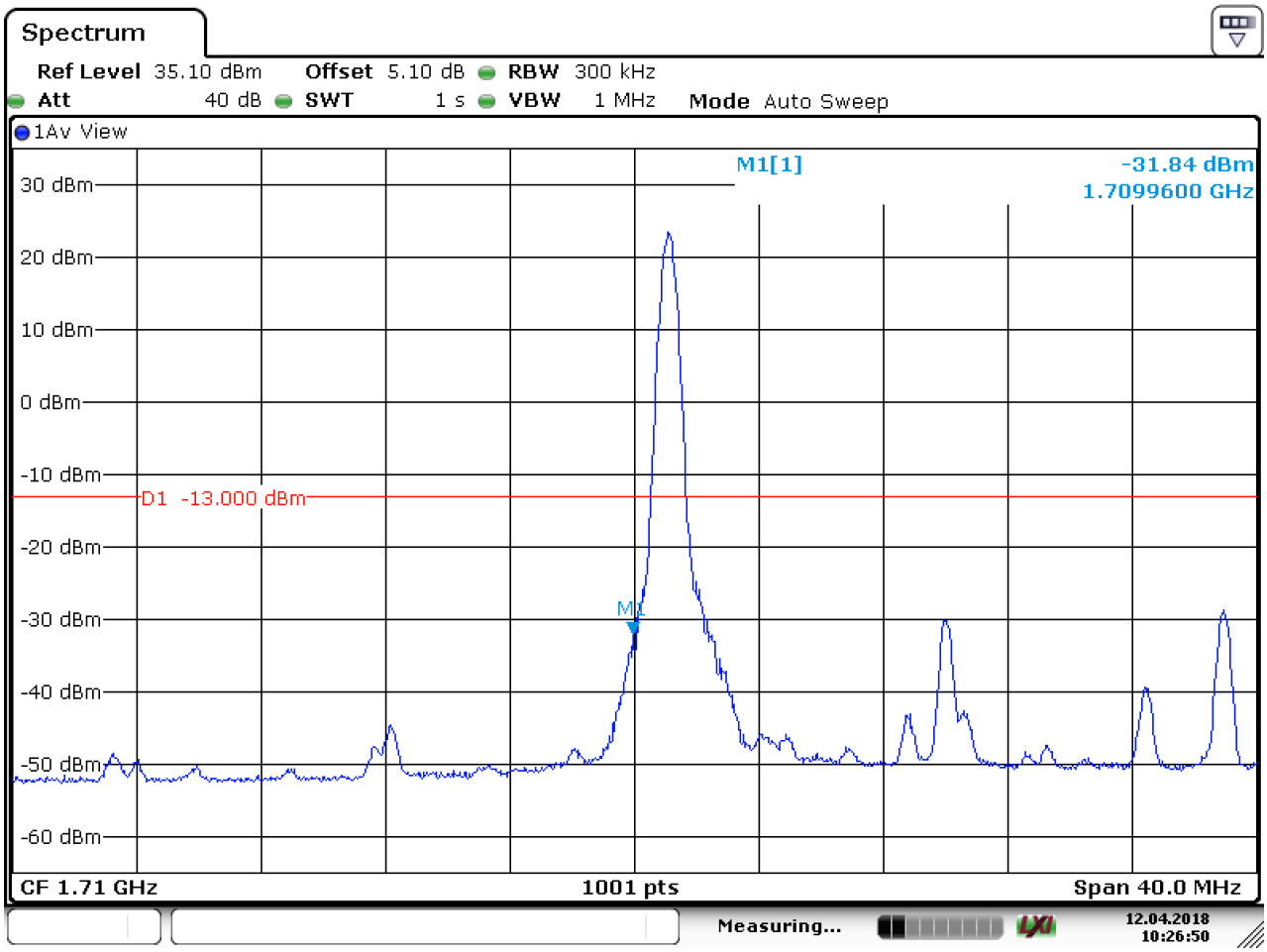
### 5.1.1.11 Test Mode = LTE/TM1 20MHz

#### 5.1.1.11.1 Test Channel = LCH

##### 5.1.1.11.1.1 Test RB=1RB#Low

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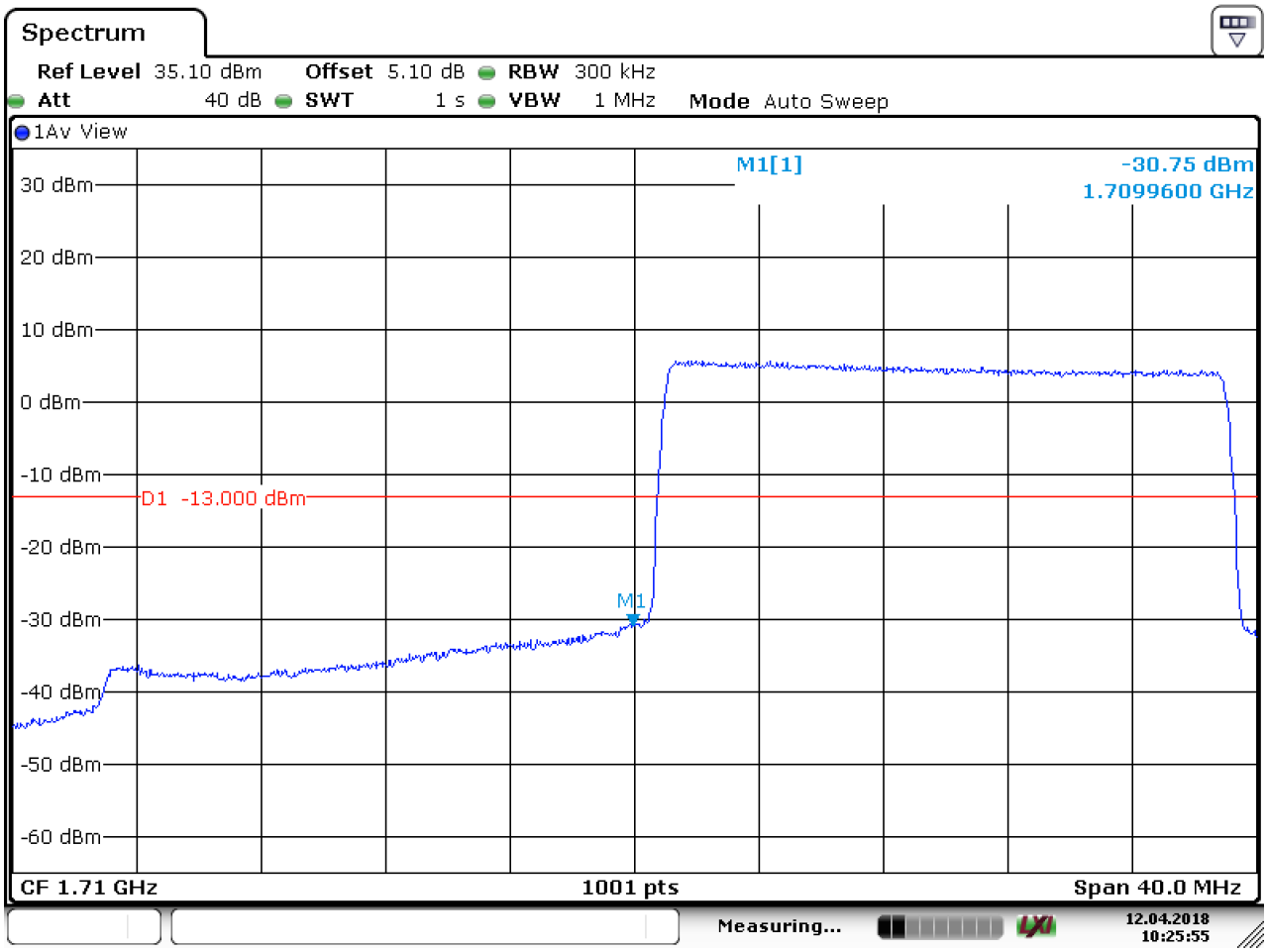
#### 5.1.1.11.1.2 Test RB=FullRBs

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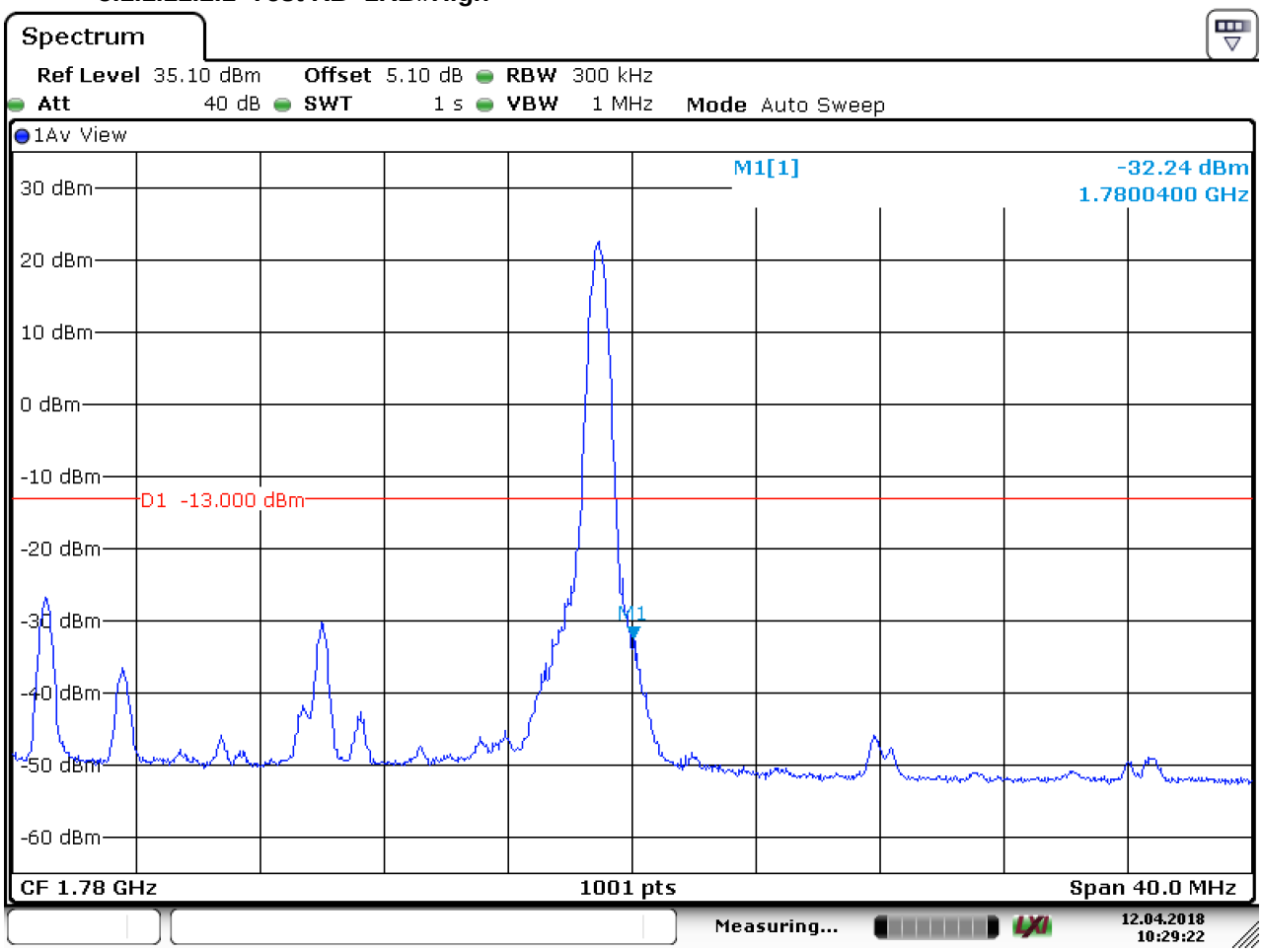
#### 5.1.1.11.2 Test Channel = HCH

##### 5.1.1.11.2.1 Test RB=1RB#High

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### 5.1.1.11.2.2 Test RB=FullRBs

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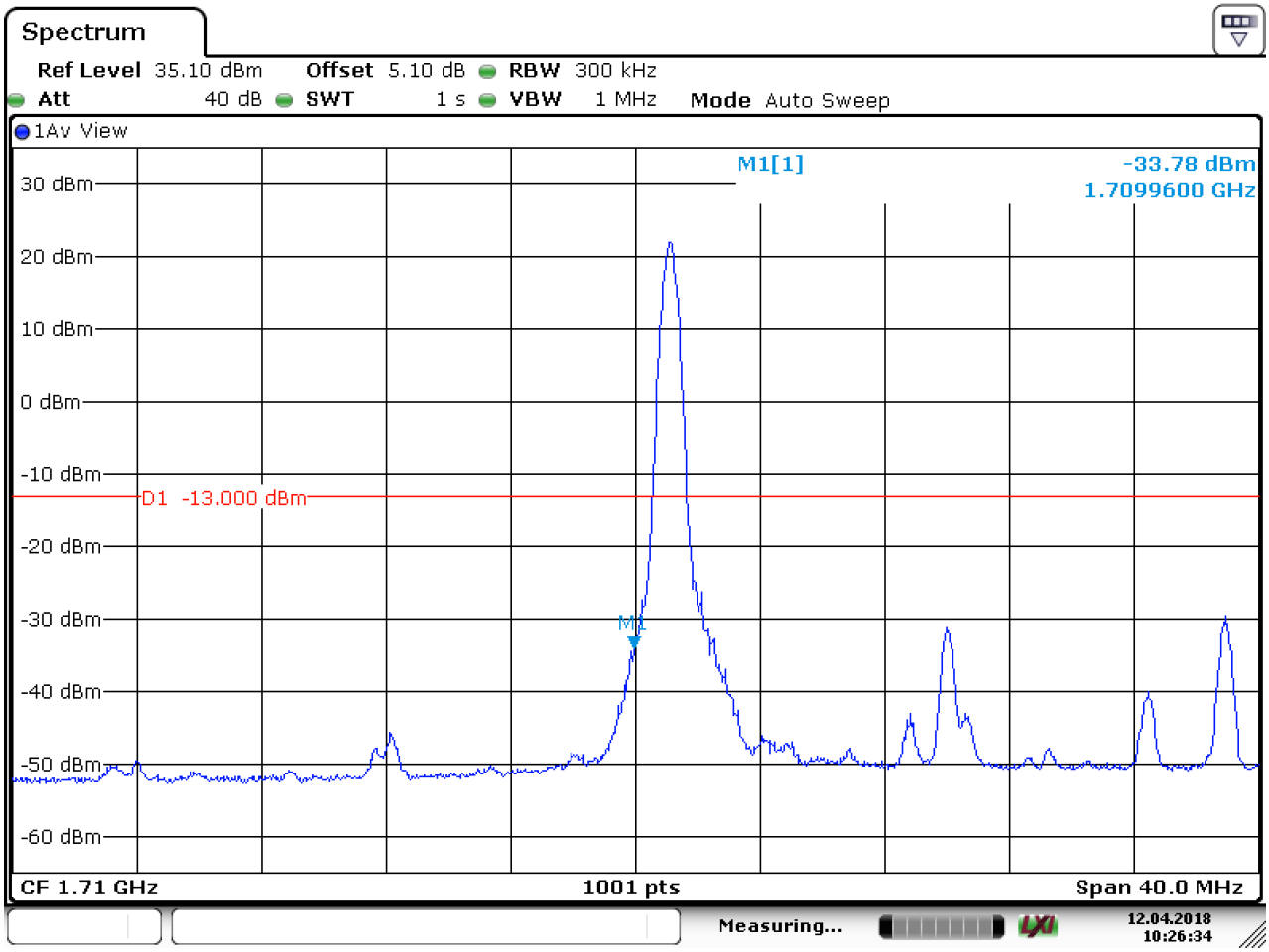
### 5.1.1.12 Test Mode = LTE/TM2 20MHz

#### 5.1.1.12.1 Test Channel = LCH

##### 5.1.1.12.1.1 Test RB=1RB#Low

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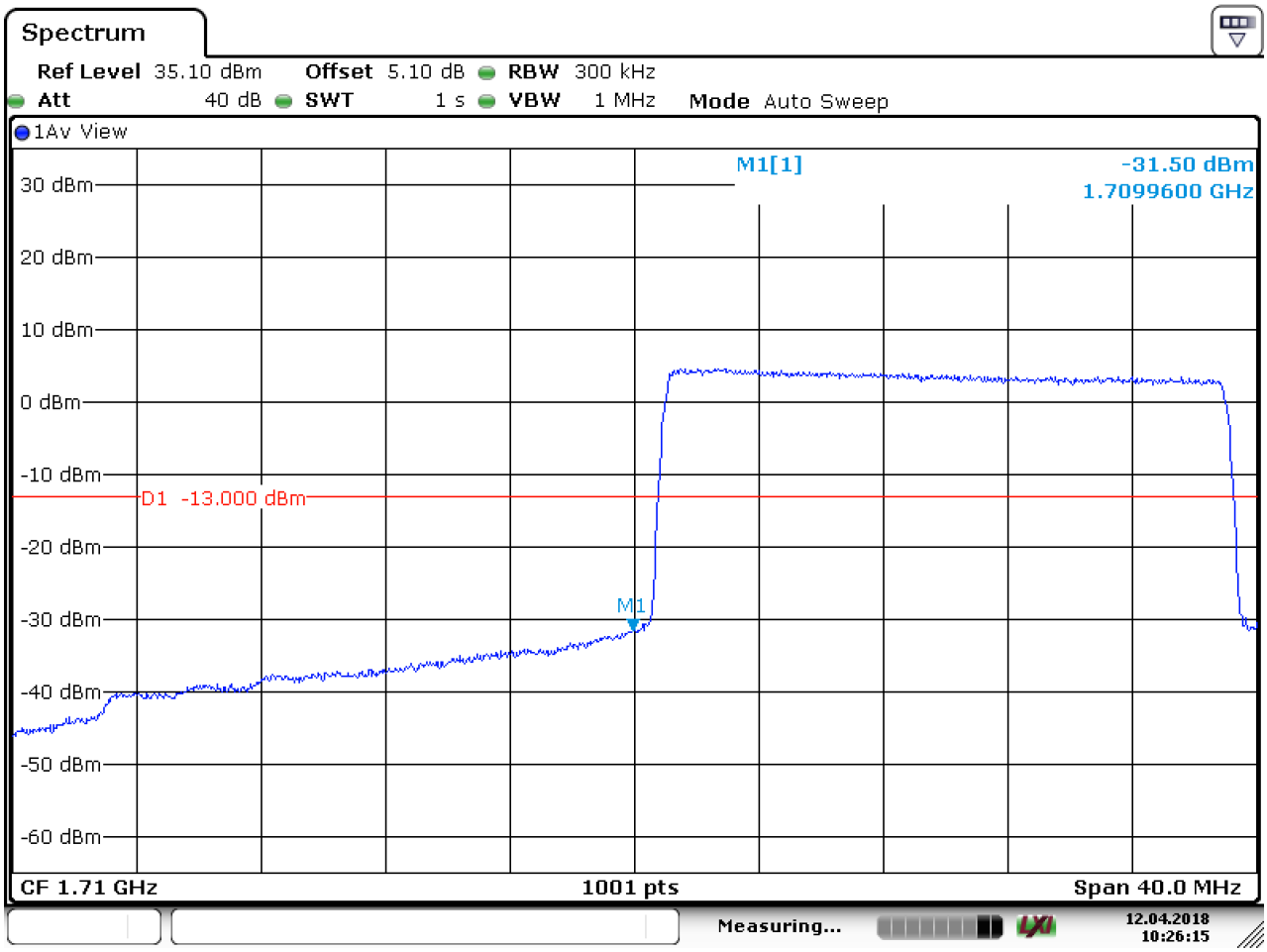
#### 5.1.1.12.1.2 Test RB=FullRBs

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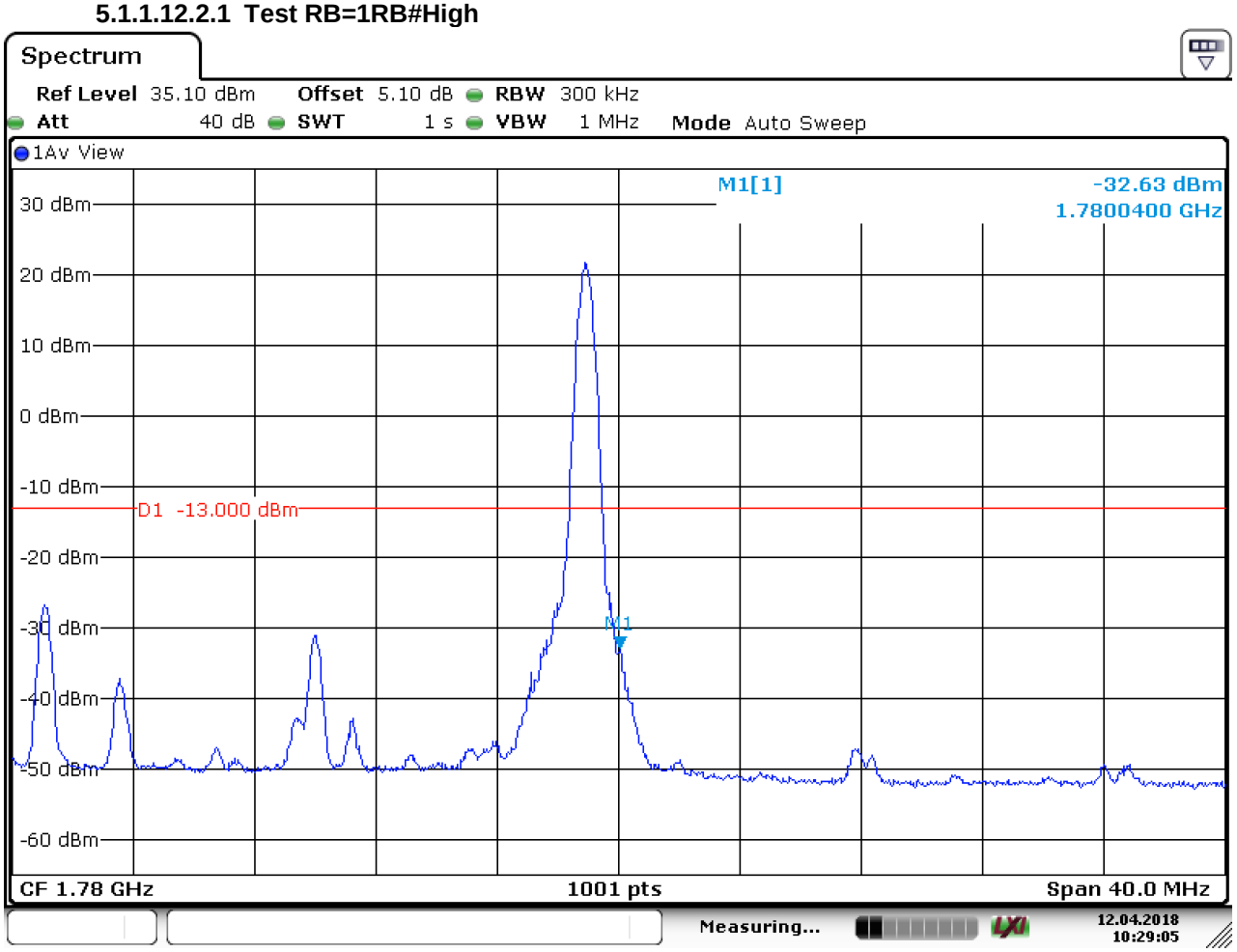
#### 5.1.1.12.2 Test Channel = HCH

##### 5.1.1.12.2.1 Test RB=1RB#High

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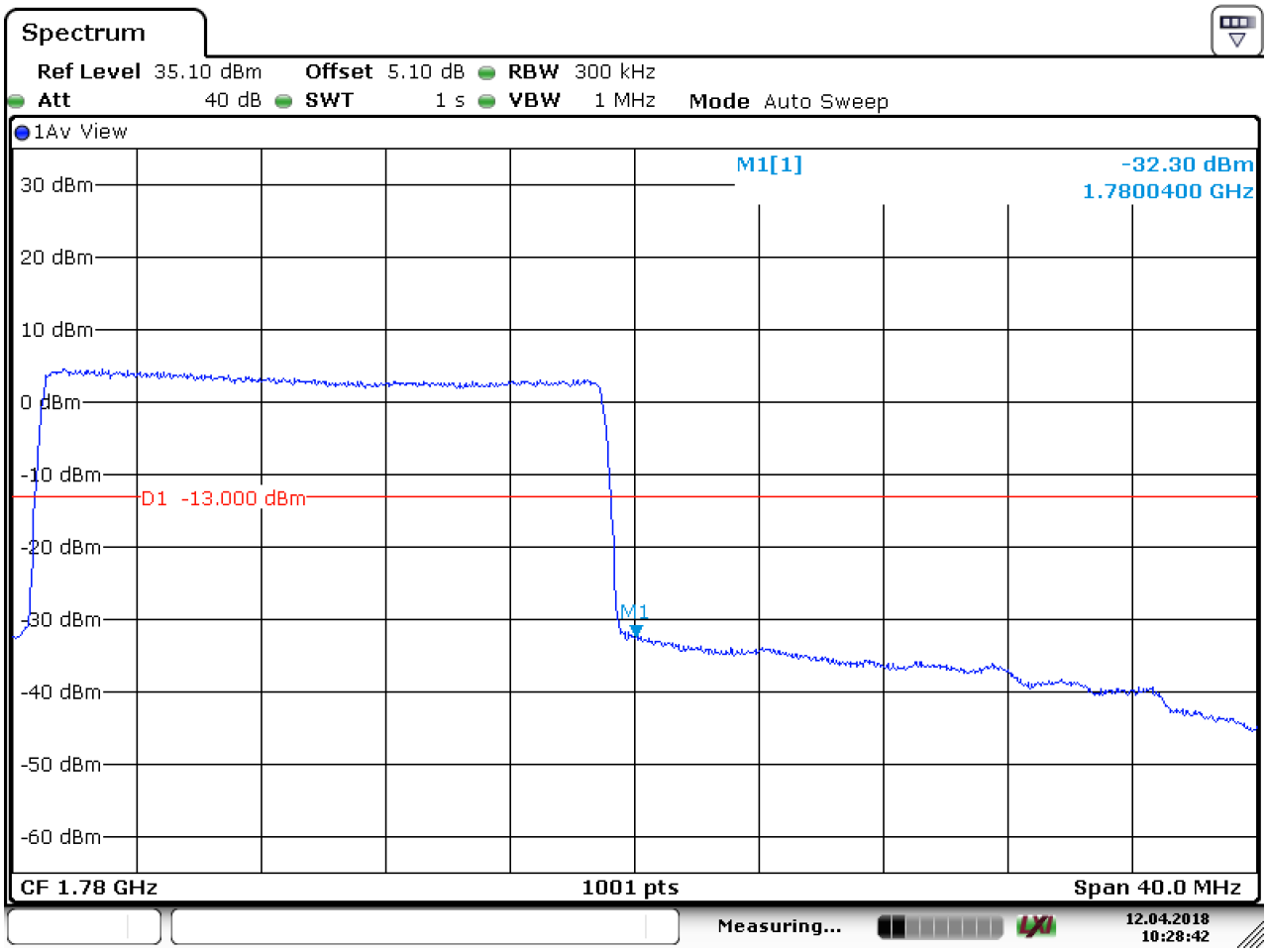
### 5.1.1.12.2.2 Test RB=FullRBs

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# 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.

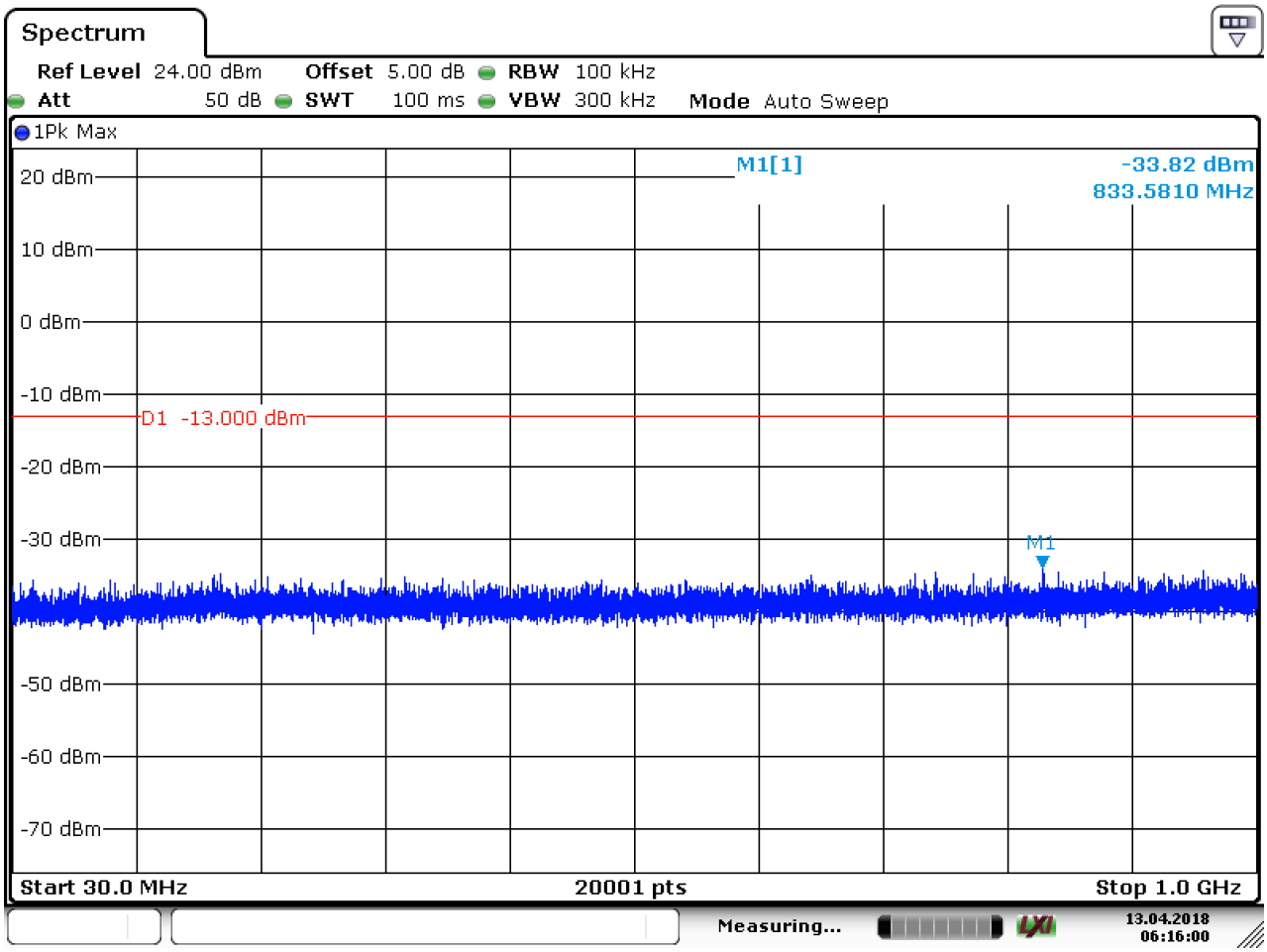
Part I - Test Plots

## 6.1 For LTE

### 6.1.1 Test Band = LTE BAND66

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

##### 6.1.1.1.1 Test Channel = LCH

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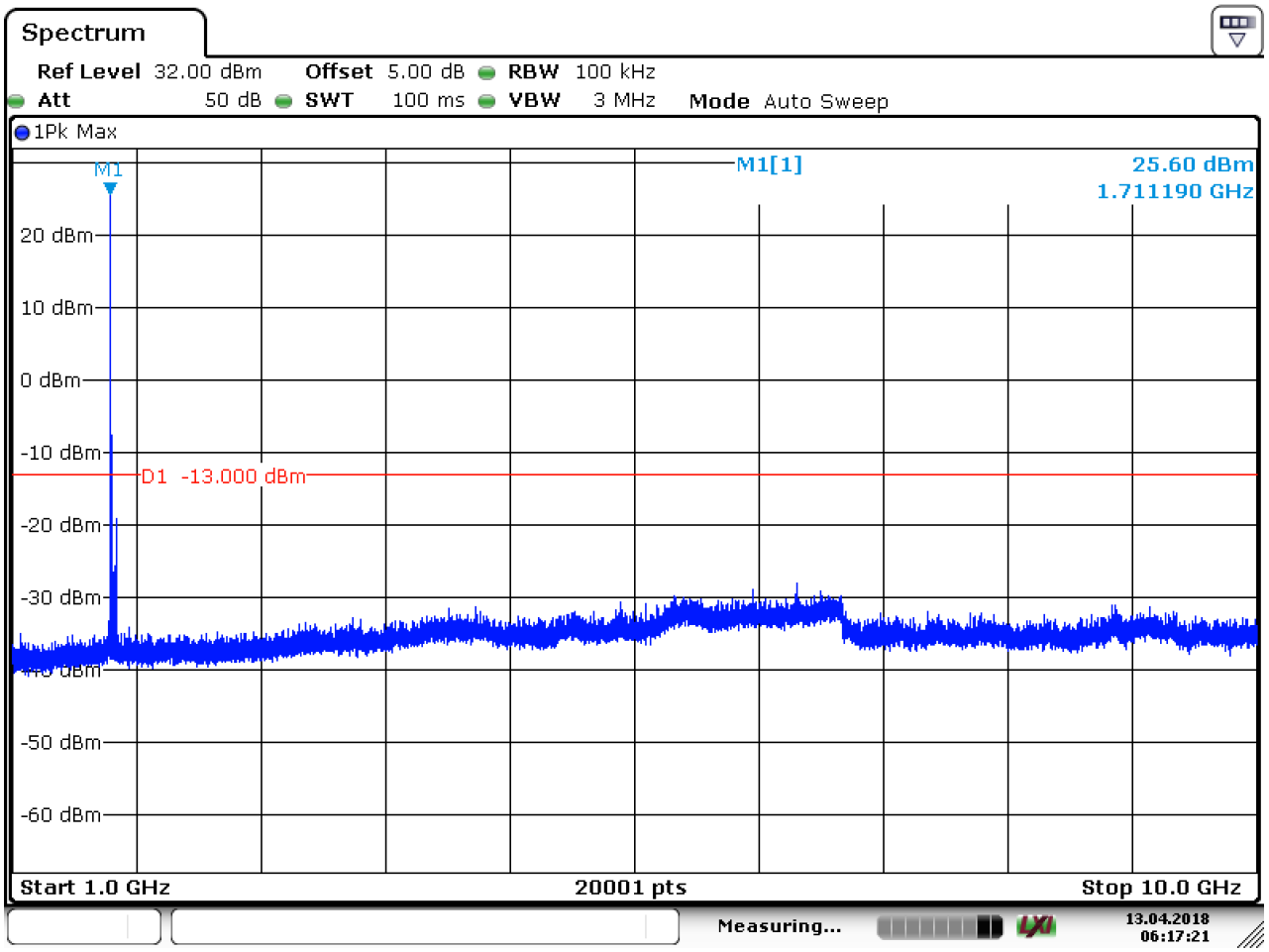


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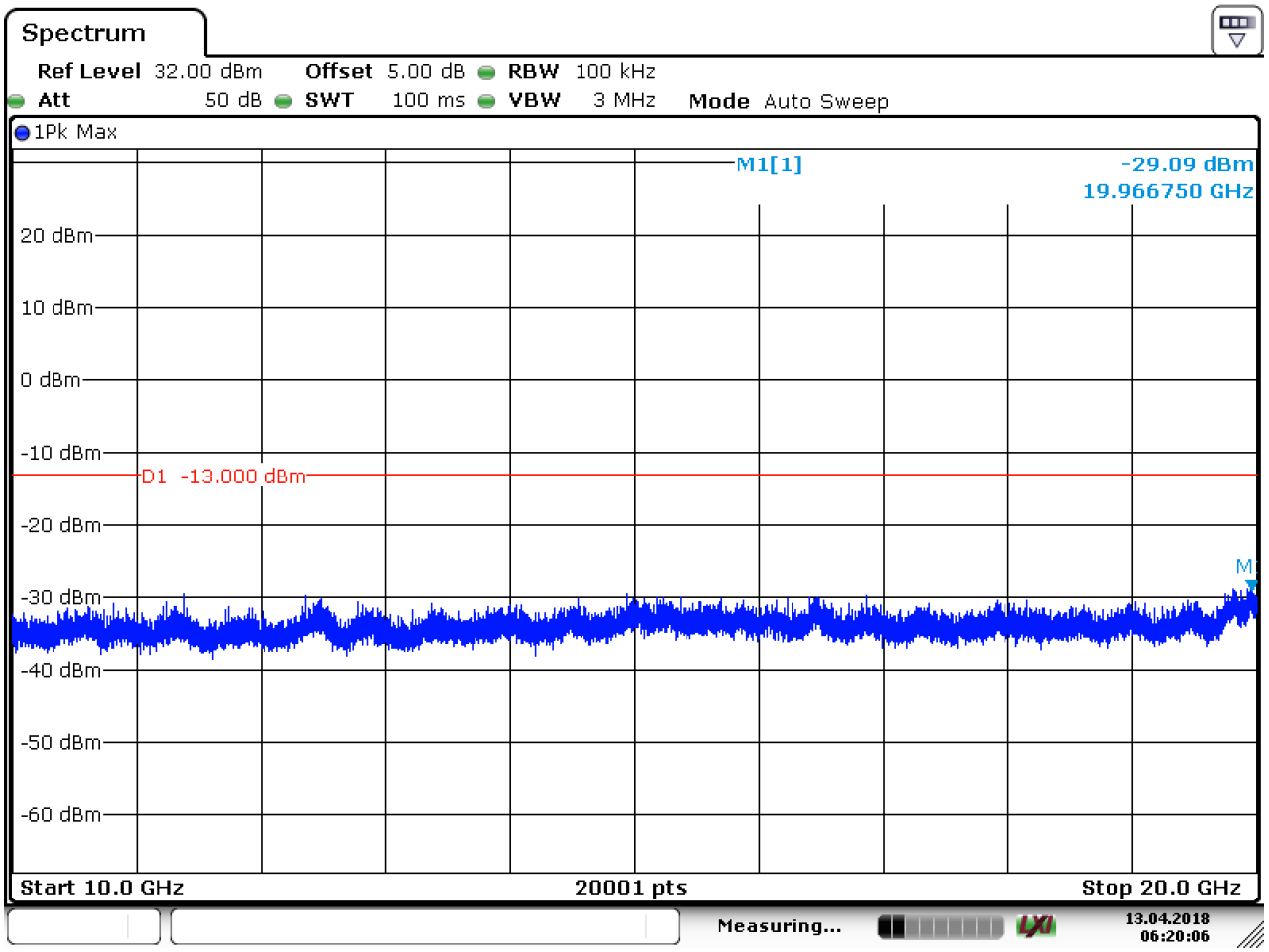


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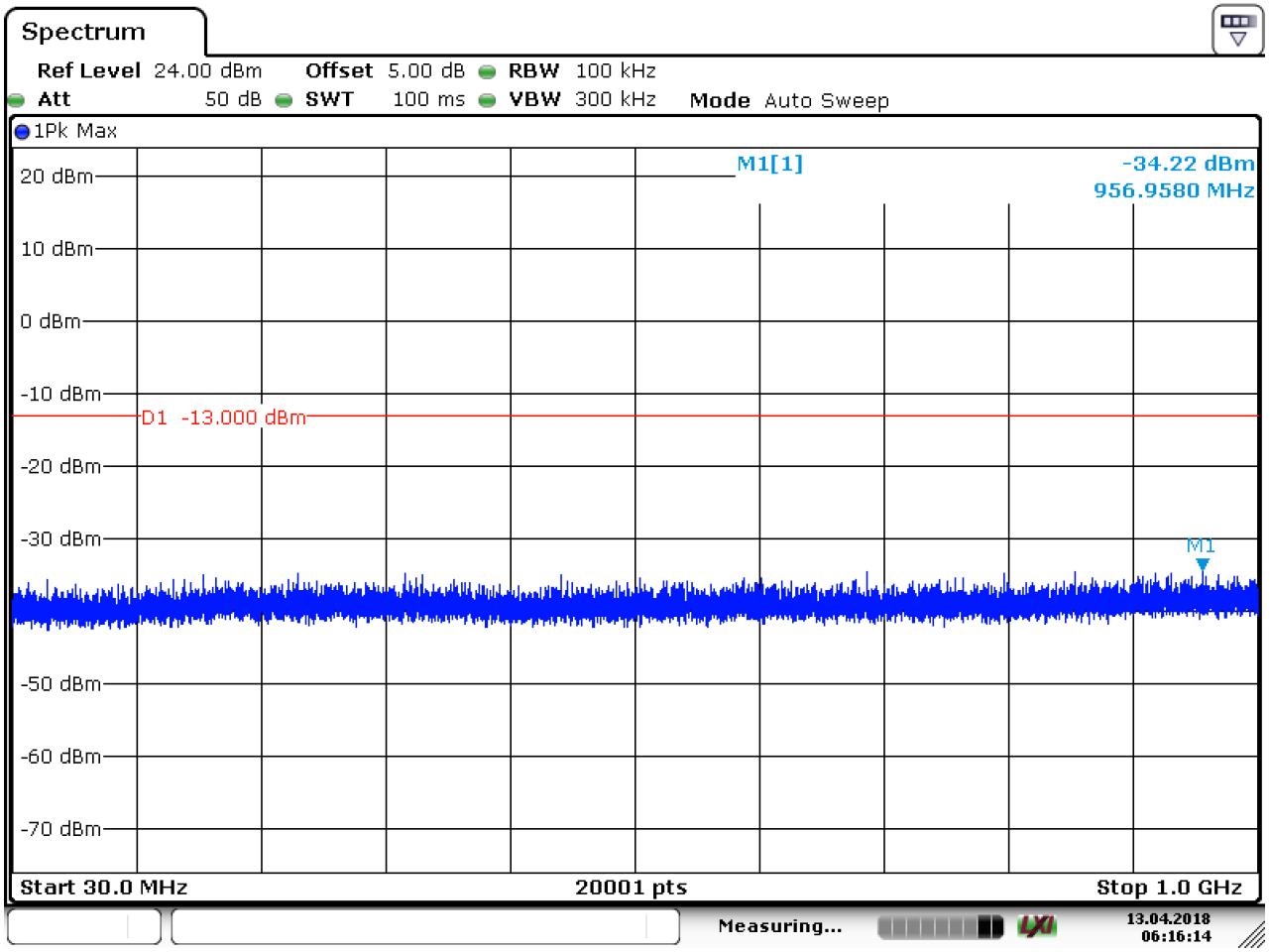
#### 6.1.1.1.2 Test Channel = MCH

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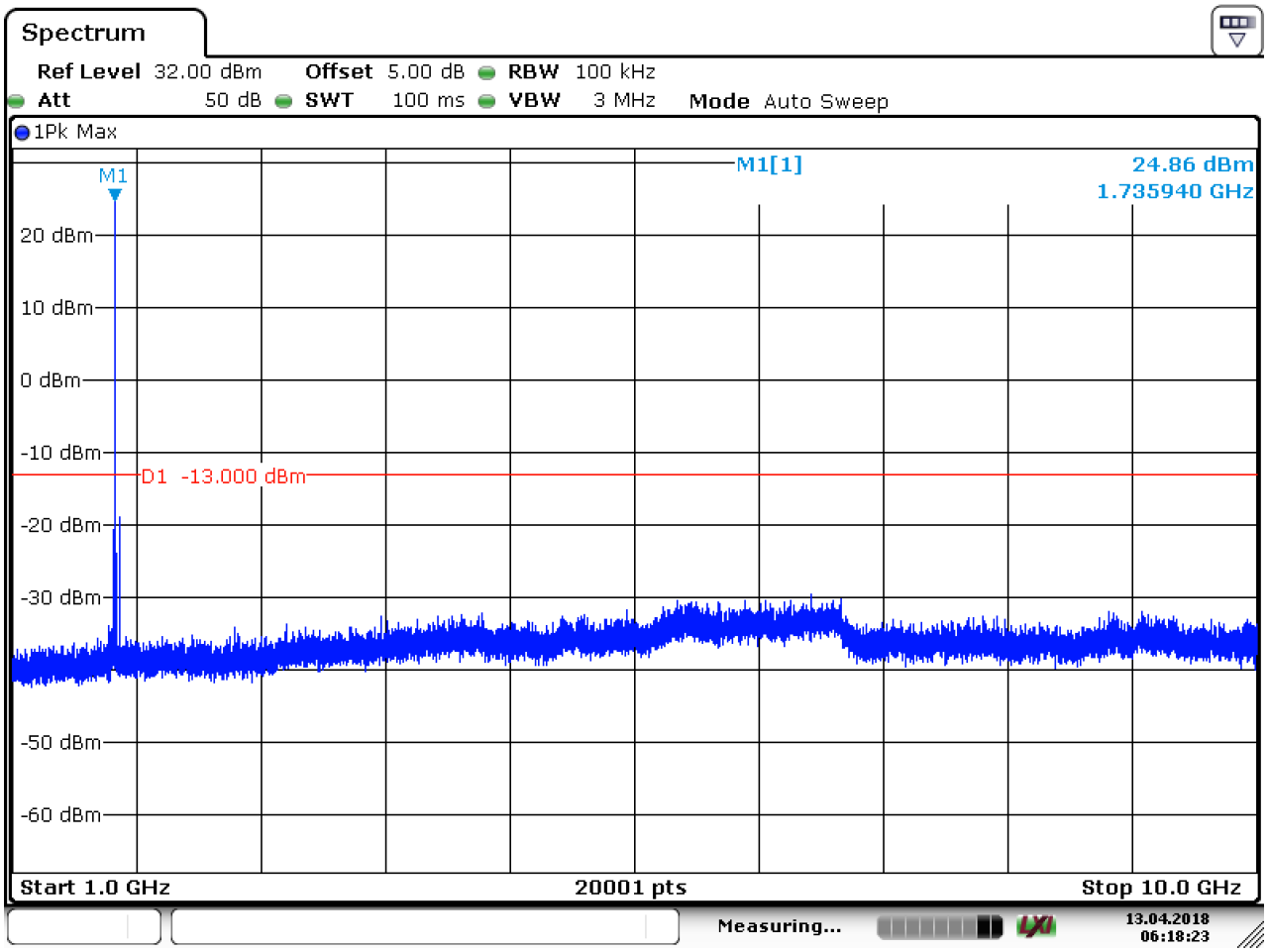


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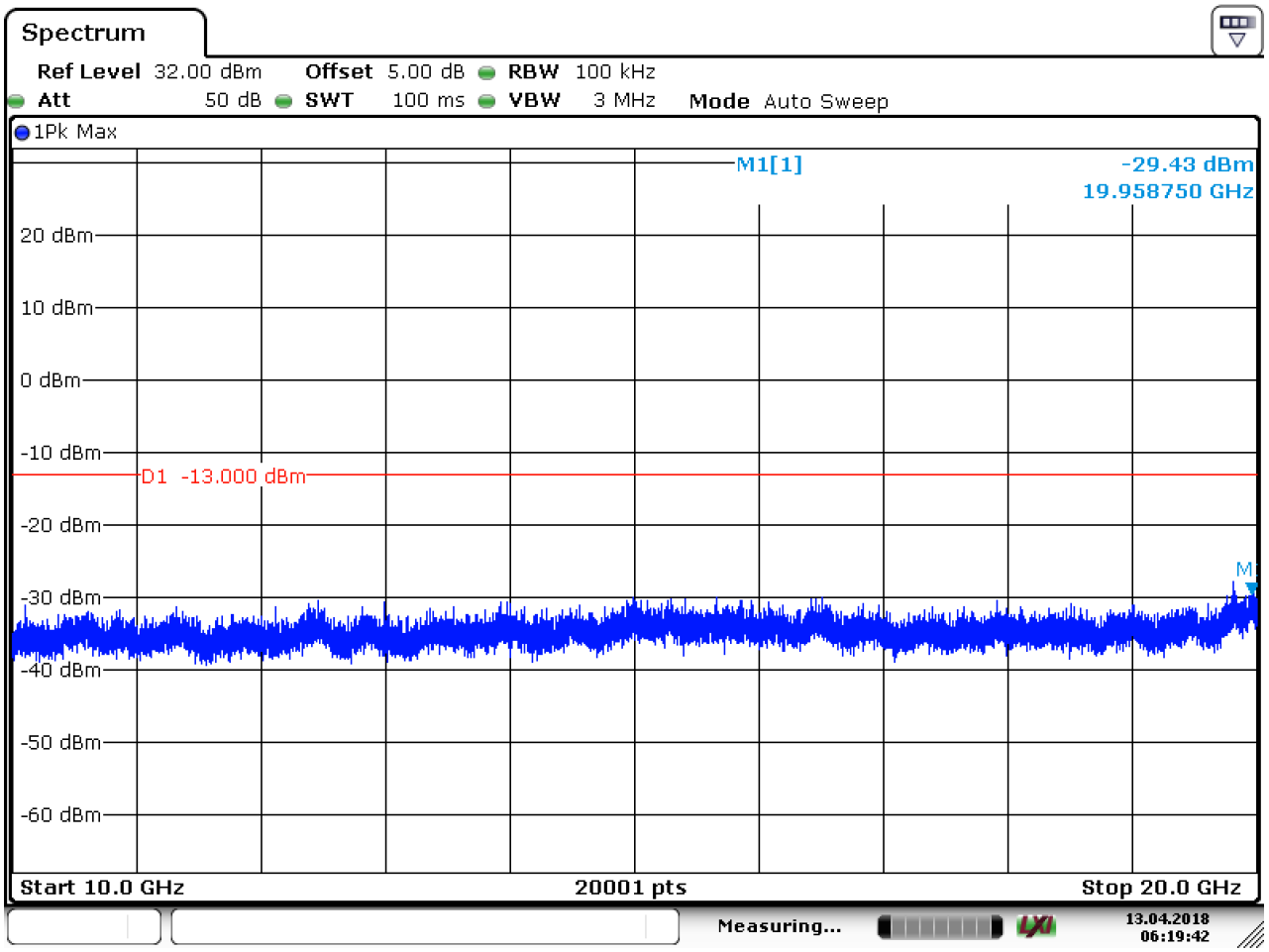


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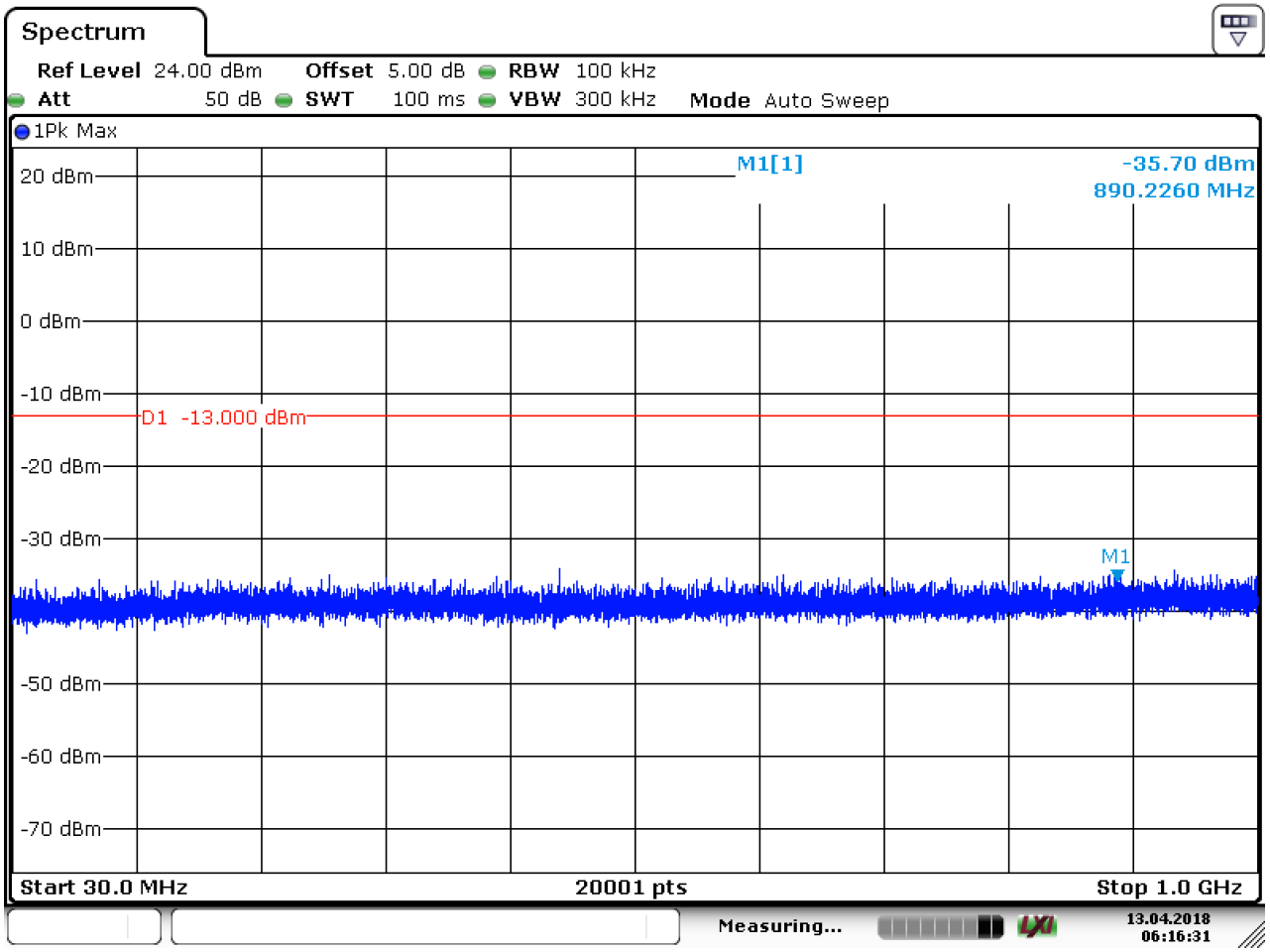
#### 6.1.1.1.3 Test Channel = HCH

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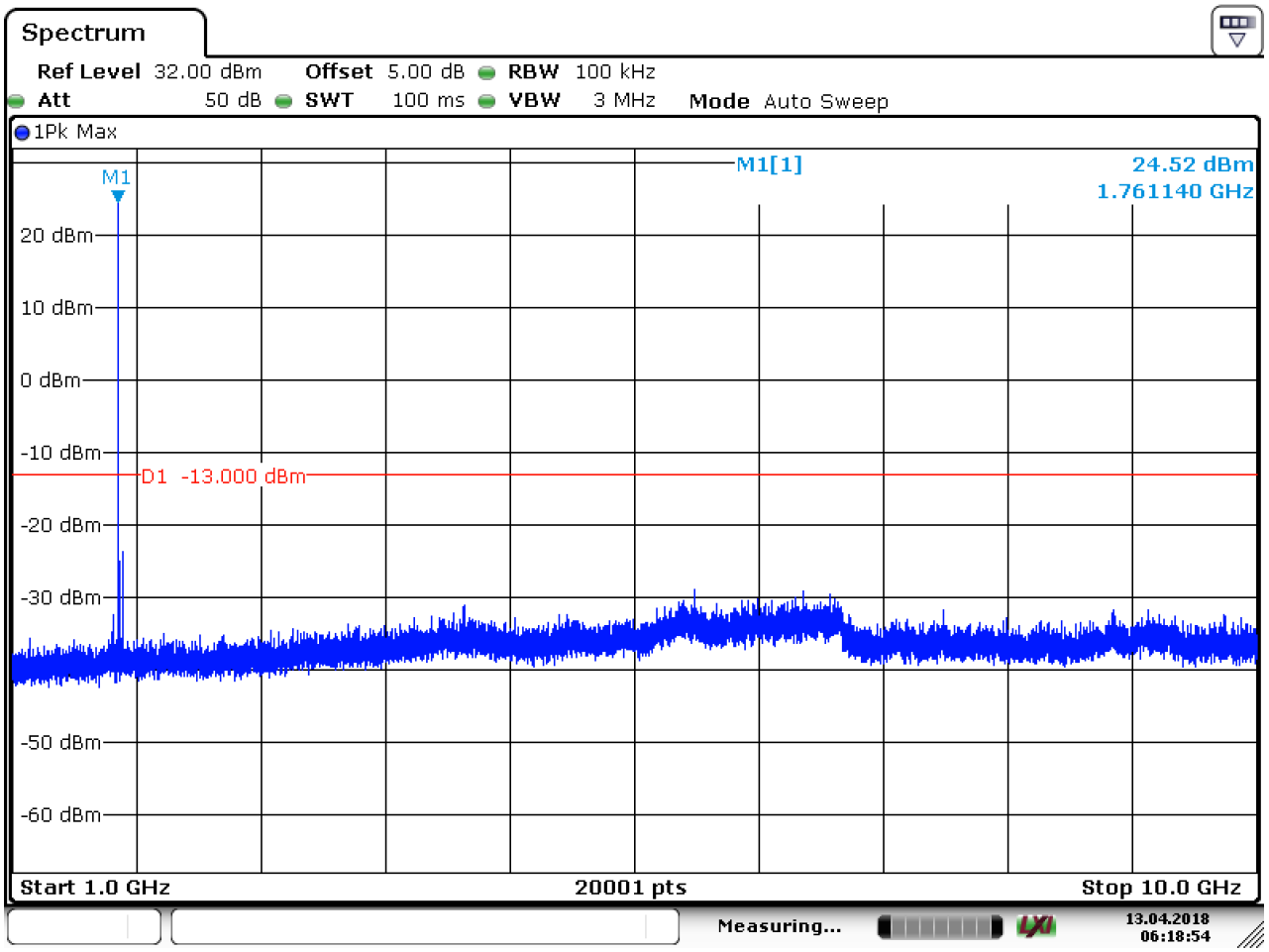


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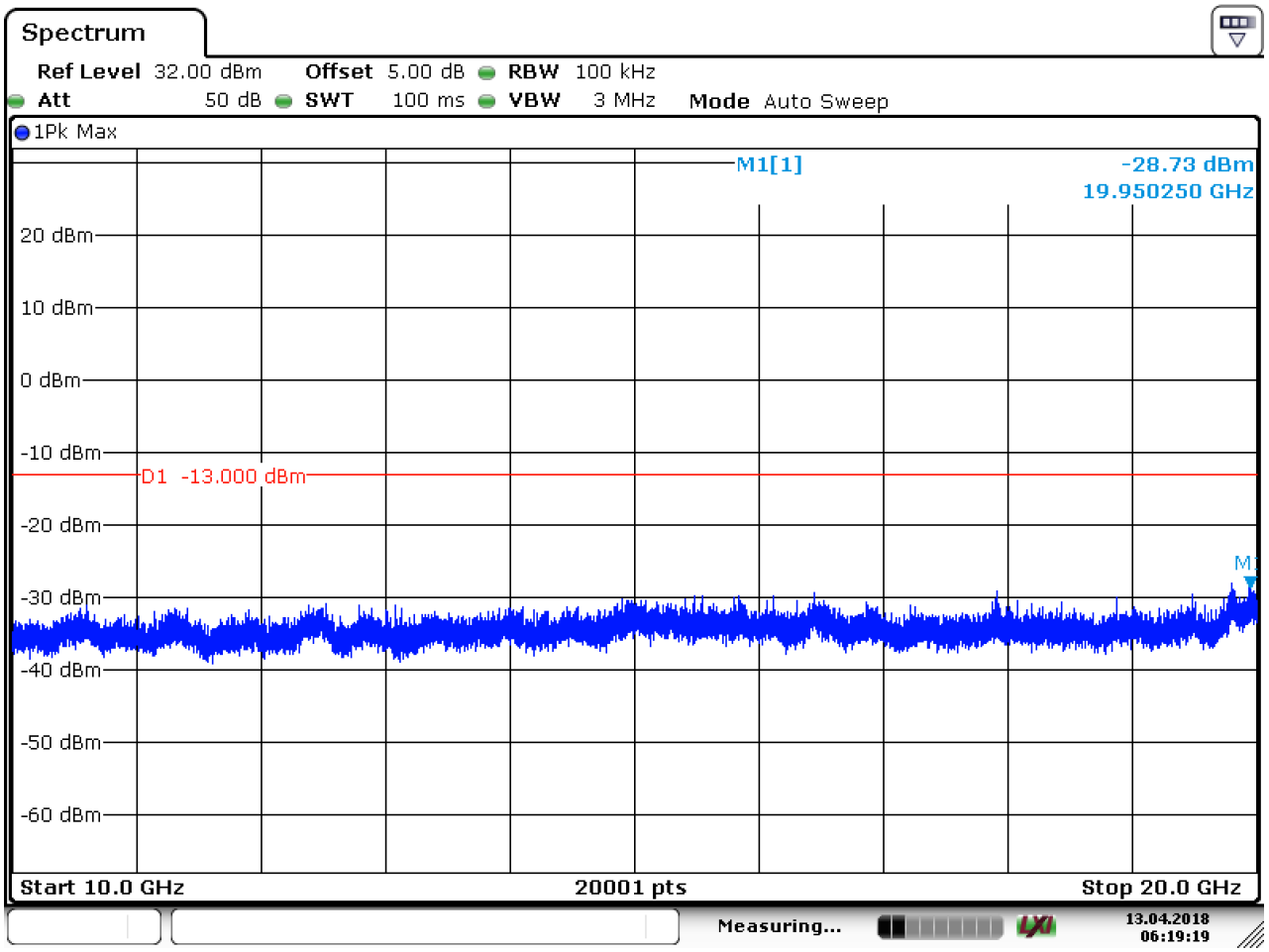


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# 7 Field Strength of Spurious Radiation

## 7.1 For LTE

### 7.1.1 Test Band = LTE BAND66

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

##### 7.1.1.1.1 Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|---|---|---|---|---|
| 55.750000 | -81.64 | -13.00 | 68.64 | Vertical |
| 125.000000 | -86.12 | -13.00 | 73.12 | Vertical |
| 3421.850000 | -56.65 | -13.00 | 43.65 | Vertical |
| 5132.975000 | -61.56 | -13.00 | 48.56 | Vertical |
| 6844.100000 | -60.60 | -13.00 | 47.60 | Vertical |
| 8555.225000 | -62.34 | -13.00 | 49.34 | Vertical |
| 63.800000 | -78.73 | -13.00 | 65.73 | Horizontal |
| 434.050000 | -78.80 | -13.00 | 65.80 | Horizontal |
| 3422.175000 | -53.97 | -13.00 | 40.97 | Horizontal |
| 5132.975000 | -60.50 | -13.00 | 47.50 | Horizontal |
| 6844.425000 | -53.08 | -13.00 | 40.08 | Horizontal |
| 8555.550000 | -48.96 | -13.00 | 35.96 | Horizontal |

##### 7.1.1.1.2 Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|---|---|---|---|---|
| 63.500000 | -82.29 | -13.00 | 69.29 | Vertical |
| 434.050000 | -74.54 | -13.00 | 61.54 | Vertical |
| 3471.575000 | -57.18 | -13.00 | 44.18 | Vertical |
| 5208.375000 | -62.68 | -13.00 | 49.68 | Vertical |
| 6944.200000 | -61.80 | -13.00 | 48.80 | Vertical |
| 8680.350000 | -60.55 | -13.00 | 47.55 | Vertical |
| 62.850000 | -77.69 | -13.00 | 64.69 | Horizontal |
| 104.300000 | -82.29 | -13.00 | 69.29 | Horizontal |
| 3472.225000 | -51.56 | -13.00 | 38.56 | Horizontal |
| 5208.050000 | -61.95 | -13.00 | 48.95 | Horizontal |
| 6944.200000 | -54.11 | -13.00 | 41.11 | Horizontal |
| 8680.350000 | -47.66 | -13.00 | 34.66 | Horizontal |

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**7.1.1.1.3 Test Channel = HCH**

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|---|---|---|---|---|
| 64.600000 | -81.07 | -13.00 | 68.07 | Vertical |
| 90.500000 | -85.77 | -13.00 | 72.77 | Vertical |
| 3521.950000 | -57.67 | -13.00 | 44.67 | Vertical |
| 5283.125000 | -64.12 | -13.00 | 51.12 | Vertical |
| 7044.300000 | -62.19 | -13.00 | 49.19 | Vertical |
| 8805.475000 | -61.42 | -13.00 | 48.42 | Vertical |
| 56.650000 | -78.29 | -13.00 | 65.29 | Horizontal |
| 104.300000 | -82.32 | -13.00 | 69.32 | Horizontal |
| 3521.950000 | -52.54 | -13.00 | 39.54 | Horizontal |
| 5283.125000 | -62.29 | -13.00 | 49.29 | Horizontal |
| 7044.300000 | -53.57 | -13.00 | 40.57 | Horizontal |
| 8805.475000 | -47.26 | -13.00 | 34.26 | Horizontal |

NOTE:

1) 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.
2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.

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# 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 |
|---|---|---|---|---|---|---|---|
| LTEBAND66 | LTE/TM1 20MHz | LCH | TN | VL | -8.68 | -0.005047 | PASS |
| | | | | VN | -8.17 | -0.004750 | PASS |
| | | | | VH | -8.44 | -0.004907 | PASS |
| | | MCH | TN | VL | -7.04 | -0.004034 | PASS |
| | | | | VN | -5.49 | -0.003146 | PASS |
| | | | | VH | -13.42 | -0.007691 | PASS |
| | | HCH | TN | VL | -6.82 | -0.003853 | PASS |
| | | | | VN | 5.84 | 0.003299 | PASS |
| | | | | VH | -9.78 | -0.005525 | PASS |
| | LTE/TM2 20MHz | LCH | TN | VL | -7.08 | -0.004116 | PASS |
| | | | | VN | -7.51 | -0.004366 | PASS |
| | | | | VH | -6.88 | -0.004000 | PASS |
| | | MCH | TN | VL | 5.46 | 0.003129 | PASS |
| | | | | VN | 6.71 | 0.003845 | PASS |
| | | | | VH | 5.89 | 0.003375 | PASS |
| | | HCH | TN | VL | -4.46 | -0.002520 | PASS |
| | | | | VN | -6.54 | -0.003695 | PASS |
| | | | | VH | 5.06 | 0.002859 | PASS |

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## 8.2 Frequency Error VS. Temperature

| Test Band | Test Mode | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|---|---|---|---|---|---|---|---|
| LTEBAND66 | LTE/TM1 20MHz | LCH | VN | -30 | -8.25 | -0.004797 | PASS |
| | | | | -20 | -9.57 | -0.005564 | PASS |
| | | | | -10 | -6.44 | -0.003744 | PASS |
| | | | | 0 | -10.46 | -0.006081 | PASS |
| | | | | 10 | -10.09 | -0.005866 | PASS |
| | | | | 20 | -4.18 | -0.002395 | PASS |
| | | | | 30 | -6.07 | -0.003479 | PASS |
| | | | | 40 | -7.04 | -0.004034 | PASS |
| | | | | 50 | -4.84 | -0.002774 | PASS |
| | | MCH | VN | -30 | -8.53 | -0.004888 | PASS |
| | | | | -20 | 5.87 | 0.003316 | PASS |
| | | | | -10 | -4.35 | -0.002458 | PASS |
| | | | | 0 | 4.82 | 0.002723 | PASS |
| | | | | 10 | -6.19 | -0.003497 | PASS |
| | | | | 20 | -6.72 | -0.003913 | PASS |
| | | | | 30 | -5.58 | -0.003249 | PASS |
| | | | | 40 | -6.14 | -0.003575 | PASS |
| | | | | 50 | -5.76 | -0.003354 | PASS |
| | | HCH | VN | -30 | -5.49 | -0.003146 | PASS |
| | | | | -20 | -7.91 | -0.004533 | PASS |
| | | | | -10 | 6.48 | 0.003713 | PASS |
| | | | | 0 | -5.14 | -0.002946 | PASS |
| | | | | 10 | 5.09 | 0.002917 | PASS |
| | | | | 20 | 6.17 | 0.003481 | PASS |
| | | | | 30 | 6.78 | 0.003825 | PASS |
| | | | | 40 | 7.57 | 0.004271 | PASS |
| | | | | 50 | -6.72 | -0.003913 | PASS |

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| Test Band | Test Mode | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|---|---|---|---|---|---|---|---|
| LTEBAND66 | LTE/TM2 20MHz | LCH | VN | -30 | -6.69 | -0.003834 | PASS |
| | | | | -20 | -6.94 | -0.003977 | PASS |
| | | | | -10 | -7.51 | -0.004304 | PASS |
| | | | | 0 | 5.95 | 0.003357 | PASS |
| | | | | 10 | 4.92 | 0.002776 | PASS |
| | | | | 20 | 7.32 | 0.004130 | PASS |
| | | | | 30 | 4.69 | 0.002646 | PASS |
| | | | | 40 | 7.38 | 0.004164 | PASS |
| | | | | 50 | -8.33 | -0.004843 | PASS |
| | | MCH | VN | -30 | -7.31 | -0.004250 | PASS |
| | | | | -20 | -6.81 | -0.003959 | PASS |
| | | | | -10 | -7.71 | -0.004483 | PASS |
| | | | | 0 | -6.54 | -0.003802 | PASS |
| | | | | 10 | 5.64 | 0.003232 | PASS |
| | | | | 20 | 5.78 | 0.003312 | PASS |
| | | | | 30 | 6.47 | 0.003708 | PASS |
| | | | | 40 | -5.09 | -0.002917 | PASS |
| | | | | 50 | 5.92 | 0.003393 | PASS |
| | | HCH | VN | -30 | 4.65 | 0.002627 | PASS |
| | | | | -20 | -5.16 | -0.002915 | PASS |
| | | | | -10 | 5.11 | 0.002887 | PASS |
| | | | | 0 | -5.75 | -0.003249 | PASS |
| | | | | 10 | 5.09 | 0.002876 | PASS |
| | | | | 20 | -6.69 | -0.003834 | PASS |
| | | | | 30 | -6.94 | -0.003977 | PASS |
| | | | | 40 | -7.51 | -0.004304 | PASS |
| | | | | 50 | 5.95 | 0.003357 | PASS |

The End

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