



Appendix B

Test Data for SZEM161201085001RG



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1 Effective (Isotropic) Radiated Power Output Data

Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE BAND 4

| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM1 | 1.4M | LCH | RB1#0 | 22.39 | 22.39 | 30.00 | PASS |
| | | | | RB1#2 | 22.48 | 22.48 | 30.00 | PASS |
| | | | | RB1#5 | 22.37 | 22.37 | 30.00 | PASS |
| | | | | RB3#0 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB3#2 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB3#3 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB6#0 | 21.47 | 21.47 | 30.00 | PASS |
| | | | MCH | RB1#0 | 22.44 | 22.44 | 30.00 | PASS |
| | | | | RB1#2 | 22.53 | 22.53 | 30.00 | PASS |
| | | | | RB1#5 | 22.45 | 22.45 | 30.00 | PASS |
| | | | | RB3#0 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB3#2 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB3#3 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB6#0 | 21.44 | 21.44 | 30.00 | PASS |
| | | | HCH | RB1#0 | 22.49 | 22.49 | 30.00 | PASS |
| | | | | RB1#2 | 22.57 | 22.57 | 30.00 | PASS |
| | | | | RB1#5 | 22.51 | 22.51 | 30.00 | PASS |
| | | | | RB3#0 | 21.43 | 21.43 | 30.00 | PASS |
| | | | | RB3#2 | 21.47 | 21.47 | 30.00 | PASS |
| | | | | RB3#3 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB6#0 | 21.46 | 21.46 | 30.00 | PASS |



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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM2 | 1.4M | LCH | RB1#0 | 21.47 | 21.47 | 30.00 | PASS |
| | | | | RB1#2 | 21.47 | 21.47 | 30.00 | PASS |
| | | | | RB1#5 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB3#0 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB3#2 | 21.40 | 21.40 | 30.00 | PASS |
| | | | | RB3#3 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB6#0 | 20.51 | 20.51 | 30.00 | PASS |
| | | | MCH | RB1#0 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB1#2 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB1#5 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB3#0 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB3#2 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB3#3 | 21.49 | 21.49 | 30.00 | PASS |
| | | | | RB6#0 | 20.57 | 20.57 | 30.00 | PASS |
| | | | HCH | RB1#0 | 21.40 | 21.40 | 30.00 | PASS |
| | | | | RB1#2 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB1#5 | 21.42 | 21.42 | 30.00 | PASS |
| | | | | RB3#0 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB3#2 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB3#3 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB6#0 | 20.56 | 20.56 | 30.00 | PASS |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM1 | 3M | LCH | RB1#0 | 22.49 | 22.49 | 30.00 | PASS |
| | | | | RB1#7 | 22.48 | 22.48 | 30.00 | PASS |
| | | | | RB1#14 | 22.45 | 22.45 | 30.00 | PASS |
| | | | | RB8#0 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB8#4 | 21.49 | 21.49 | 30.00 | PASS |
| | | | | RB8#7 | 21.47 | 21.47 | 30.00 | PASS |
| | | | | RB15#0 | 21.49 | 21.49 | 30.00 | PASS |
| | | | MCH | RB1#0 | 22.48 | 22.48 | 30.00 | PASS |
| | | | | RB1#7 | 22.43 | 22.43 | 30.00 | PASS |
| | | | | RB1#14 | 22.44 | 22.44 | 30.00 | PASS |
| | | | | RB8#0 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB8#4 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB8#7 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB15#0 | 21.40 | 21.40 | 30.00 | PASS |
| | | | HCH | RB1#0 | 22.41 | 22.41 | 30.00 | PASS |
| | | | | RB1#7 | 22.44 | 22.44 | 30.00 | PASS |
| | | | | RB1#14 | 22.49 | 22.49 | 30.00 | PASS |
| | | | | RB8#0 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB8#4 | 21.43 | 21.43 | 30.00 | PASS |
| | | | | RB8#7 | 21.43 | 21.43 | 30.00 | PASS |
| | | | | RB15#0 | 21.44 | 21.44 | 30.00 | PASS |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM2 | 3M | LCH | RB1#0 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB1#7 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB1#14 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB8#0 | 20.62 | 20.62 | 30.00 | PASS |
| | | | | RB8#4 | 20.59 | 20.59 | 30.00 | PASS |
| | | | | RB8#7 | 20.58 | 20.58 | 30.00 | PASS |
| | | | | RB15#0 | 20.56 | 20.56 | 30.00 | PASS |
| | | | MCH | RB1#0 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB1#7 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB1#14 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB8#0 | 20.73 | 20.73 | 30.00 | PASS |
| | | | | RB8#4 | 20.71 | 20.71 | 30.00 | PASS |
| | | | | RB8#7 | 20.70 | 20.70 | 30.00 | PASS |
| | | | | RB15#0 | 20.67 | 20.67 | 30.00 | PASS |
| | | | HCH | RB1#0 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB1#7 | 21.43 | 21.43 | 30.00 | PASS |
| | | | | RB1#14 | 21.49 | 21.49 | 30.00 | PASS |
| | | | | RB8#0 | 20.66 | 20.66 | 30.00 | PASS |
| | | | | RB8#4 | 20.66 | 20.66 | 30.00 | PASS |
| | | | | RB8#7 | 20.69 | 20.69 | 30.00 | PASS |
| | | | | RB15#0 | 20.65 | 20.65 | 30.00 | PASS |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM1 | 5M | LCH | RB1#0 | 22.48 | 22.48 | 30.00 | PASS |
| | | | | RB1#13 | 22.48 | 22.48 | 30.00 | PASS |
| | | | | RB1#24 | 22.41 | 22.41 | 30.00 | PASS |
| | | | | RB12#0 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB12#6 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB12#13 | 21.42 | 21.42 | 30.00 | PASS |
| | | | | RB25#0 | 21.49 | 21.49 | 30.00 | PASS |
| | | | MCH | RB1#0 | 22.46 | 22.46 | 30.00 | PASS |
| | | | | RB1#13 | 22.49 | 22.49 | 30.00 | PASS |
| | | | | RB1#24 | 22.40 | 22.40 | 30.00 | PASS |
| | | | | RB12#0 | 21.43 | 21.43 | 30.00 | PASS |
| | | | | RB12#6 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB12#13 | 21.43 | 21.43 | 30.00 | PASS |
| | | | | RB25#0 | 21.49 | 21.49 | 30.00 | PASS |
| | | | HCH | RB1#0 | 22.44 | 22.44 | 30.00 | PASS |
| | | | | RB1#13 | 22.45 | 22.45 | 30.00 | PASS |
| | | | | RB1#24 | 22.42 | 22.42 | 30.00 | PASS |
| | | | | RB12#0 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB12#6 | 21.40 | 21.40 | 30.00 | PASS |
| | | | | RB12#13 | 21.42 | 21.42 | 30.00 | PASS |
| | | | | RB25#0 | 21.49 | 21.49 | 30.00 | PASS |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM2 | 5M | LCH | RB1#0 | 21.49 | 21.49 | 30.00 | PASS |
| | | | | RB1#13 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB1#24 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB12#0 | 20.61 | 20.61 | 30.00 | PASS |
| | | | | RB12#6 | 20.59 | 20.59 | 30.00 | PASS |
| | | | | RB12#13 | 20.58 | 20.58 | 30.00 | PASS |
| | | | | RB25#0 | 20.56 | 20.56 | 30.00 | PASS |
| | | | MCH | RB1#0 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB1#13 | 21.49 | 21.49 | 30.00 | PASS |
| | | | | RB1#24 | 21.40 | 21.40 | 30.00 | PASS |
| | | | | RB12#0 | 20.68 | 20.68 | 30.00 | PASS |
| | | | | RB12#6 | 20.70 | 20.70 | 30.00 | PASS |
| | | | | RB12#13 | 20.67 | 20.67 | 30.00 | PASS |
| | | | | RB25#0 | 20.65 | 20.65 | 30.00 | PASS |
| | | | HCH | RB1#0 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB1#13 | 21.49 | 21.49 | 30.00 | PASS |
| | | | | RB1#24 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB12#0 | 20.65 | 20.65 | 30.00 | PASS |
| | | | | RB12#6 | 20.65 | 20.65 | 30.00 | PASS |
| | | | | RB12#13 | 20.66 | 20.66 | 30.00 | PASS |
| | | | | RB25#0 | 20.62 | 20.62 | 30.00 | PASS |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM1 | 10M | LCH | RB1#0 | 22.47 | 22.47 | 30.00 | PASS |
| | | | | RB1#25 | 22.38 | 22.38 | 30.00 | PASS |
| | | | | RB1#49 | 22.34 | 22.34 | 30.00 | PASS |
| | | | | RB25#0 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB25#13 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB25#25 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB50#0 | 21.48 | 21.48 | 30.00 | PASS |
| | | | MCH | RB1#0 | 22.48 | 22.48 | 30.00 | PASS |
| | | | | RB1#25 | 22.45 | 22.45 | 30.00 | PASS |
| | | | | RB1#49 | 22.44 | 22.44 | 30.00 | PASS |
| | | | | RB25#0 | 21.49 | 21.49 | 30.00 | PASS |
| | | | | RB25#13 | 21.40 | 21.40 | 30.00 | PASS |
| | | | | RB25#25 | 21.40 | 21.40 | 30.00 | PASS |
| | | | | RB50#0 | 21.42 | 21.42 | 30.00 | PASS |
| | | | HCH | RB1#0 | 22.41 | 22.41 | 30.00 | PASS |
| | | | | RB1#25 | 22.40 | 22.40 | 30.00 | PASS |
| | | | | RB1#49 | 22.43 | 22.43 | 30.00 | PASS |
| | | | | RB25#0 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB25#13 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB25#25 | 21.43 | 21.43 | 30.00 | PASS |
| | | | | RB50#0 | 21.40 | 21.40 | 30.00 | PASS |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM2 | 10M | LCH | RB1#0 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB1#25 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB1#49 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB25#0 | 20.48 | 20.48 | 30.00 | PASS |
| | | | | RB25#13 | 20.43 | 20.43 | 30.00 | PASS |
| | | | | RB25#25 | 20.43 | 20.43 | 30.00 | PASS |
| | | | | RB50#0 | 20.48 | 20.48 | 30.00 | PASS |
| | | | MCH | RB1#0 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB1#25 | 21.49 | 21.49 | 30.00 | PASS |
| | | | | RB1#49 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB25#0 | 20.52 | 20.52 | 30.00 | PASS |
| | | | | RB25#13 | 20.52 | 20.52 | 30.00 | PASS |
| | | | | RB25#25 | 20.49 | 20.49 | 30.00 | PASS |
| | | | | RB50#0 | 20.54 | 20.54 | 30.00 | PASS |
| | | | HCH | RB1#0 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB1#25 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB1#49 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB25#0 | 20.46 | 20.46 | 30.00 | PASS |
| | | | | RB25#13 | 20.44 | 20.44 | 30.00 | PASS |
| | | | | RB25#25 | 20.43 | 20.43 | 30.00 | PASS |
| | | | | RB50#0 | 20.50 | 20.50 | 30.00 | PASS |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM1 | 15M | LCH | RB1#0 | 22.44 | 22.44 | 30.00 | PASS |
| | | | | RB1#38 | 22.34 | 22.34 | 30.00 | PASS |
| | | | | RB1#74 | 22.32 | 22.32 | 30.00 | PASS |
| | | | | RB36#0 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB36#18 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB36#39 | 21.39 | 21.39 | 30.00 | PASS |
| | | | | RB75#0 | 21.43 | 21.43 | 30.00 | PASS |
| | | | MCH | RB1#0 | 22.43 | 22.43 | 30.00 | PASS |
| | | | | RB1#38 | 22.43 | 22.43 | 30.00 | PASS |
| | | | | RB1#74 | 22.39 | 22.39 | 30.00 | PASS |
| | | | | RB36#0 | 21.49 | 21.49 | 30.00 | PASS |
| | | | | RB36#18 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB36#39 | 21.49 | 21.49 | 30.00 | PASS |
| | | | | RB75#0 | 21.46 | 21.46 | 30.00 | PASS |
| | | | HCH | RB1#0 | 22.42 | 22.42 | 30.00 | PASS |
| | | | | RB1#38 | 22.33 | 22.33 | 30.00 | PASS |
| | | | | RB1#74 | 22.40 | 22.40 | 30.00 | PASS |
| | | | | RB36#0 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB36#18 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB36#39 | 21.40 | 21.40 | 30.00 | PASS |
| | | | | RB75#0 | 21.44 | 21.44 | 30.00 | PASS |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM2 | 15M | LCH | RB1#0 | 21.47 | 21.47 | 30.00 | PASS |
| | | | | RB1#38 | 21.46 | 21.46 | 30.00 | PASS |
| | | | | RB1#74 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB36#0 | 20.48 | 20.48 | 30.00 | PASS |
| | | | | RB36#18 | 20.44 | 20.44 | 30.00 | PASS |
| | | | | RB36#39 | 20.42 | 20.42 | 30.00 | PASS |
| | | | | RB75#0 | 20.45 | 20.45 | 30.00 | PASS |
| | | | MCH | RB1#0 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB1#38 | 21.48 | 21.48 | 30.00 | PASS |
| | | | | RB1#74 | 21.42 | 21.42 | 30.00 | PASS |
| | | | | RB36#0 | 20.51 | 20.51 | 30.00 | PASS |
| | | | | RB36#18 | 20.52 | 20.52 | 30.00 | PASS |
| | | | | RB36#39 | 20.52 | 20.52 | 30.00 | PASS |
| | | | | RB75#0 | 20.50 | 20.50 | 30.00 | PASS |
| | | | HCH | RB1#0 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB1#38 | 21.43 | 21.43 | 30.00 | PASS |
| | | | | RB1#74 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB36#0 | 20.49 | 20.49 | 30.00 | PASS |
| | | | | RB36#18 | 20.45 | 20.45 | 30.00 | PASS |
| | | | | RB36#39 | 20.44 | 20.44 | 30.00 | PASS |
| | | | | RB75#0 | 20.44 | 20.44 | 30.00 | PASS |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM1 | 20M | LCH | RB1#0 | 22.61 | 22.61 | 30.00 | PASS |
| | | | | RB1#50 | 22.41 | 22.41 | 30.00 | PASS |
| | | | | RB1#99 | 22.45 | 22.45 | 30.00 | PASS |
| | | | | RB50#0 | 21.41 | 21.41 | 30.00 | PASS |
| | | | | RB50#25 | 21.38 | 21.38 | 30.00 | PASS |
| | | | | RB50#50 | 21.43 | 21.43 | 30.00 | PASS |
| | | | | RB100#0 | 21.42 | 21.42 | 30.00 | PASS |
| | | | MCH | RB1#0 | 22.59 | 22.59 | 30.00 | PASS |
| | | | | RB1#50 | 22.54 | 22.54 | 30.00 | PASS |
| | | | | RB1#99 | 22.55 | 22.55 | 30.00 | PASS |
| | | | | RB50#0 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB50#25 | 21.44 | 21.44 | 30.00 | PASS |
| | | | | RB50#50 | 21.47 | 21.47 | 30.00 | PASS |
| | | | | RB100#0 | 21.47 | 21.47 | 30.00 | PASS |
| | | | HCH | RB1#0 | 22.65 | 22.65 | 30.00 | PASS |
| | | | | RB1#50 | 22.51 | 22.51 | 30.00 | PASS |
| | | | | RB1#99 | 22.56 | 22.56 | 30.00 | PASS |
| | | | | RB50#0 | 21.54 | 21.54 | 30.00 | PASS |
| | | | | RB50#25 | 21.45 | 21.45 | 30.00 | PASS |
| | | | | RB50#50 | 21.49 | 21.49 | 30.00 | PASS |
| | | | | RB100#0 | 21.46 | 21.46 | 30.00 | PASS |

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| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|-----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND4 | LTE/TM2 | 20M | LCH | RB1#0 | 22.04 | 22.04 | 30.00 | PASS |
| | | | | RB1#50 | 21.87 | 21.87 | 30.00 | PASS |
| | | | | RB1#99 | 21.74 | 21.74 | 30.00 | PASS |
| | | | | RB50#0 | 20.43 | 20.43 | 30.00 | PASS |
| | | | | RB50#25 | 20.36 | 20.36 | 30.00 | PASS |
| | | | | RB50#50 | 20.40 | 20.40 | 30.00 | PASS |
| | | | | RB100#0 | 20.38 | 20.38 | 30.00 | PASS |
| | | | MCH | RB1#0 | 21.65 | 21.65 | 30.00 | PASS |
| | | | | RB1#50 | 21.75 | 21.75 | 30.00 | PASS |
| | | | | RB1#99 | 22.01 | 22.01 | 30.00 | PASS |
| | | | | RB50#0 | 20.48 | 20.48 | 30.00 | PASS |
| | | | | RB50#25 | 20.46 | 20.46 | 30.00 | PASS |
| | | | | RB50#50 | 20.43 | 20.43 | 30.00 | PASS |
| | | | | RB100#0 | 20.43 | 20.43 | 30.00 | PASS |
| | | | HCH | RB1#0 | 21.80 | 21.80 | 30.00 | PASS |
| | | | | RB1#50 | 21.63 | 21.63 | 30.00 | PASS |
| | | | | RB1#99 | 21.69 | 21.69 | 30.00 | PASS |
| | | | | RB50#0 | 20.45 | 20.45 | 30.00 | PASS |
| | | | | RB50#25 | 20.39 | 20.39 | 30.00 | PASS |
| | | | | RB50#50 | 20.45 | 20.45 | 30.00 | PASS |
| | | | | RB100#0 | 20.47 | 20.47 | 30.00 | 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 4 | TM1/20M | LCH | 4.96 | 13 | PASS |
| | | MCH | 4.99 | 13 | PASS |
| | | HCH | 5.04 | 13 | PASS |
| | TM2/20M | LCH | 5.86 | 13 | PASS |
| | | MCH | 5.83 | 13 | PASS |
| | | HCH | 5.86 | 13 | PASS |



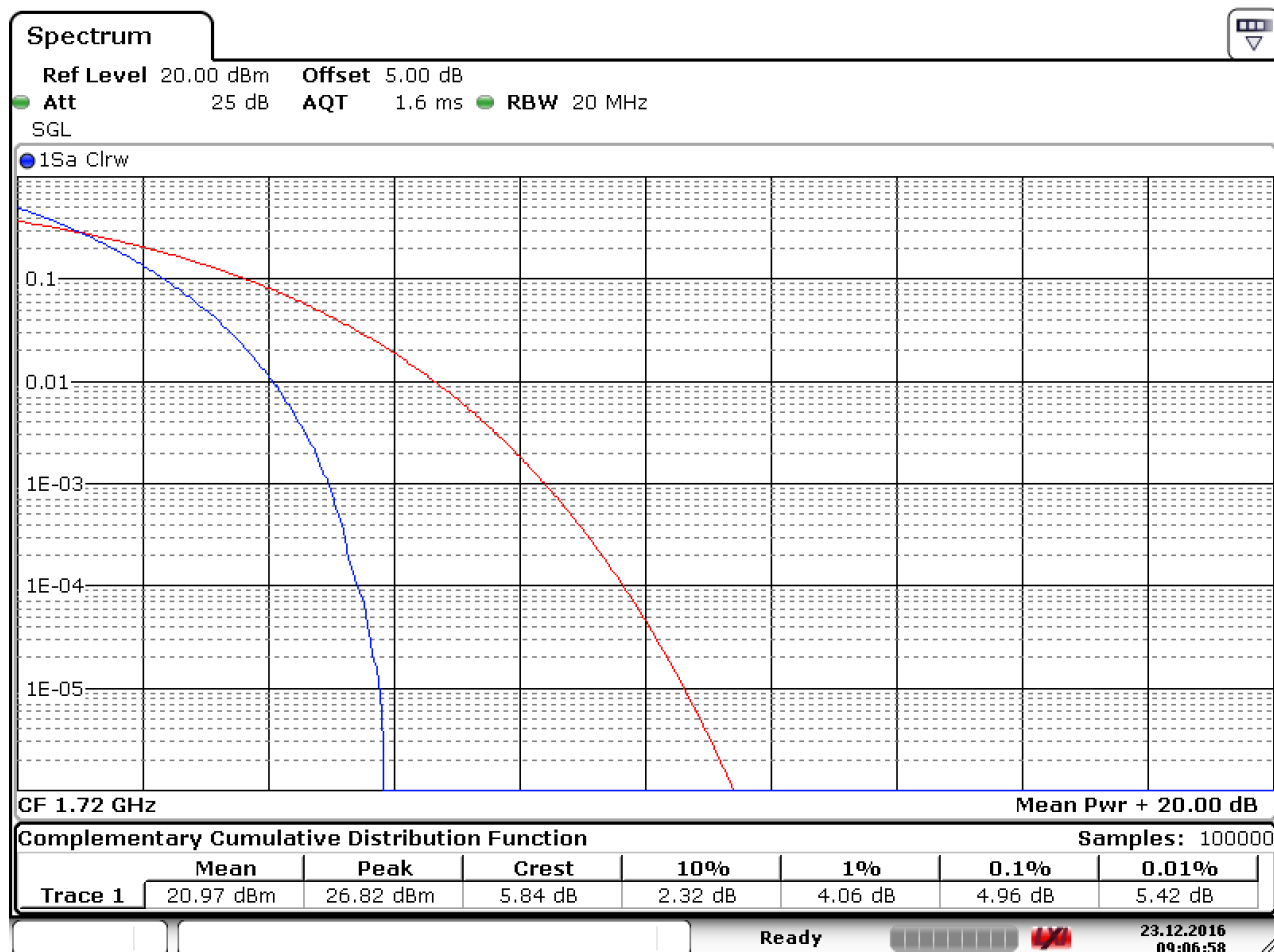
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band4

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

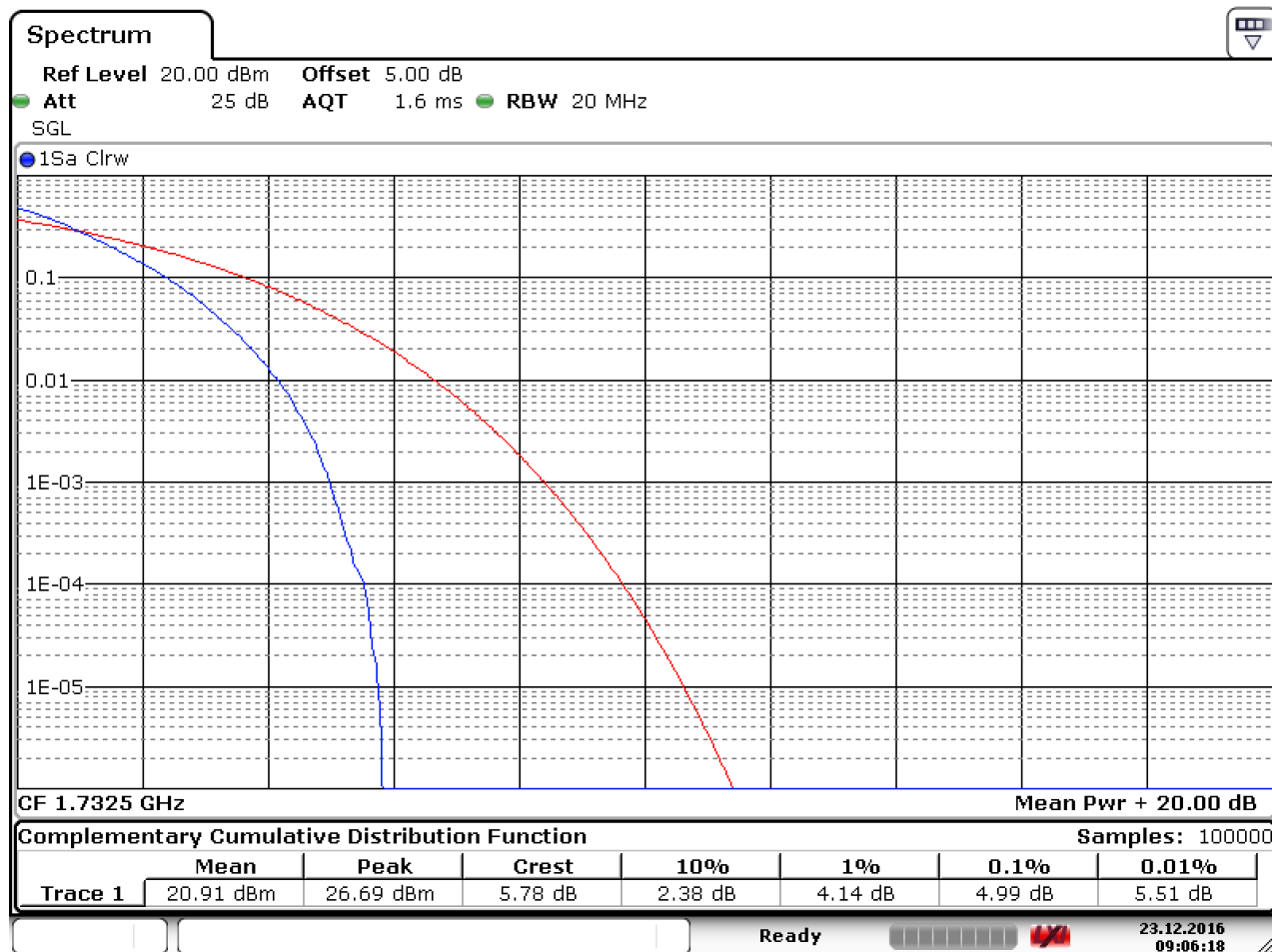
2.1.1.1.1 Test Channel = LCH



Date: 23.DEC.2016 09:06:58



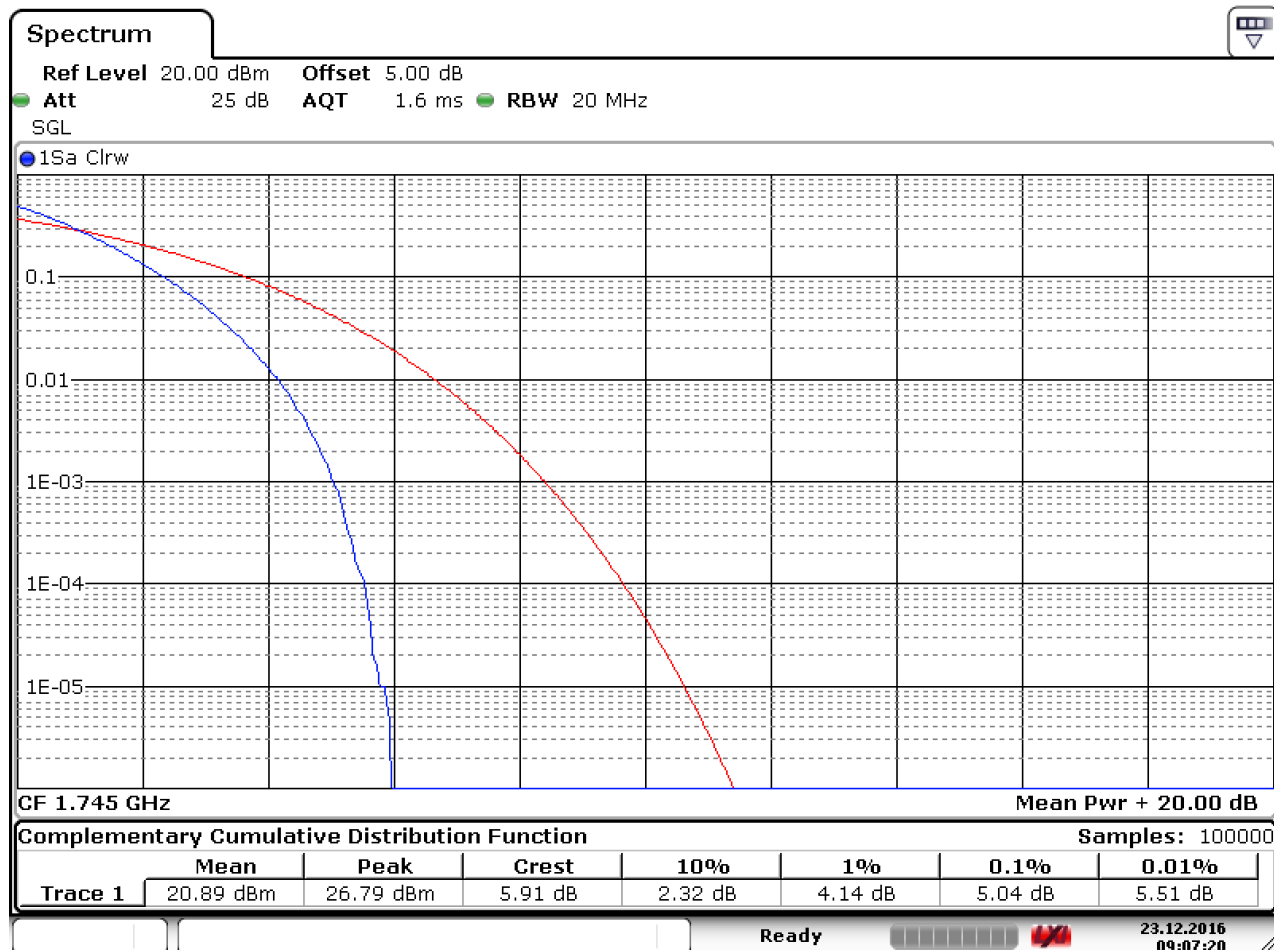
2.1.1.1.2 Test Channel = MCH



Date: 23.DEC.2016 09:06:19



2.1.1.1.3 Test Channel = HCH

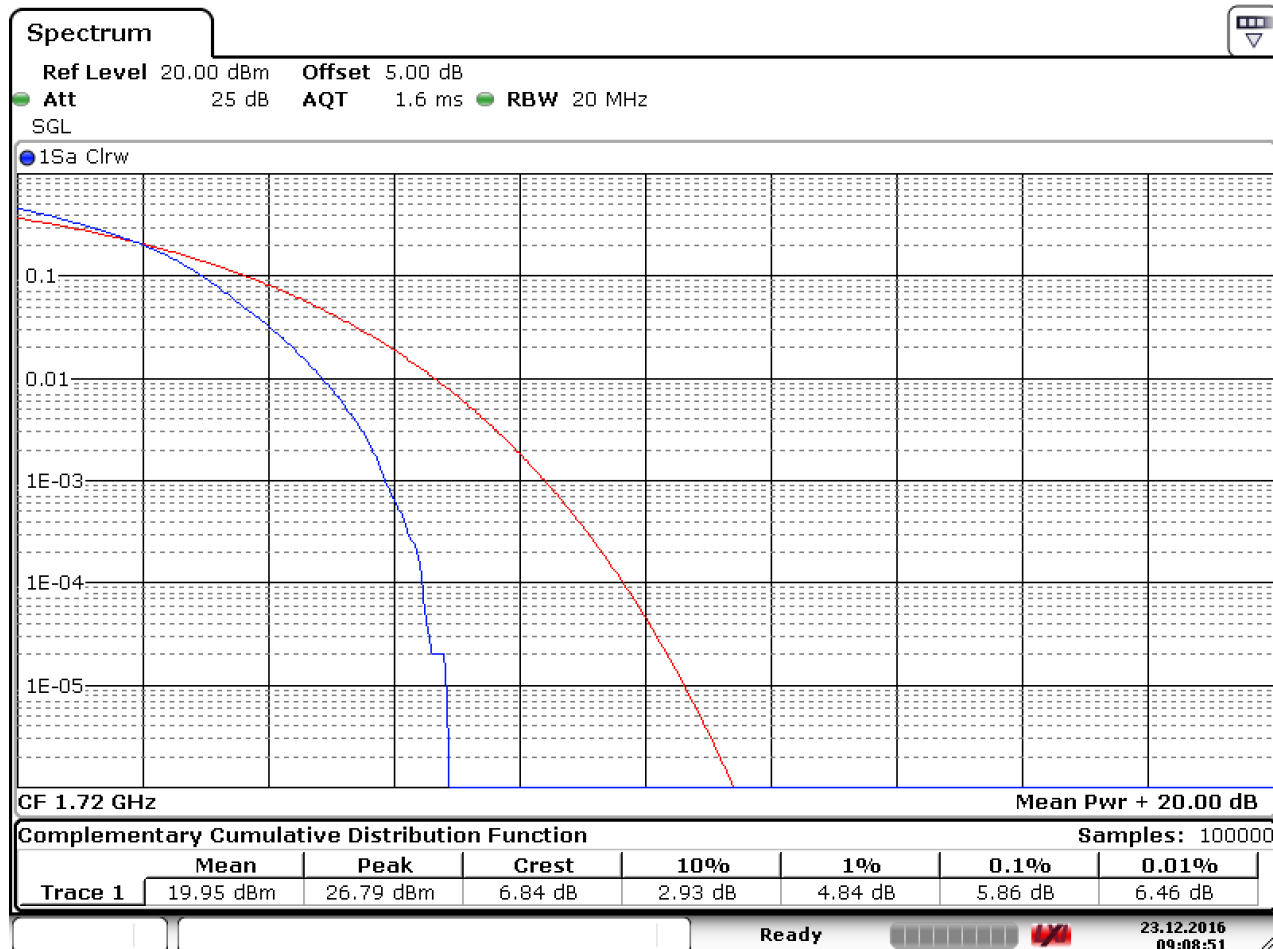


Date: 23.DEC.2016 09:07:20



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

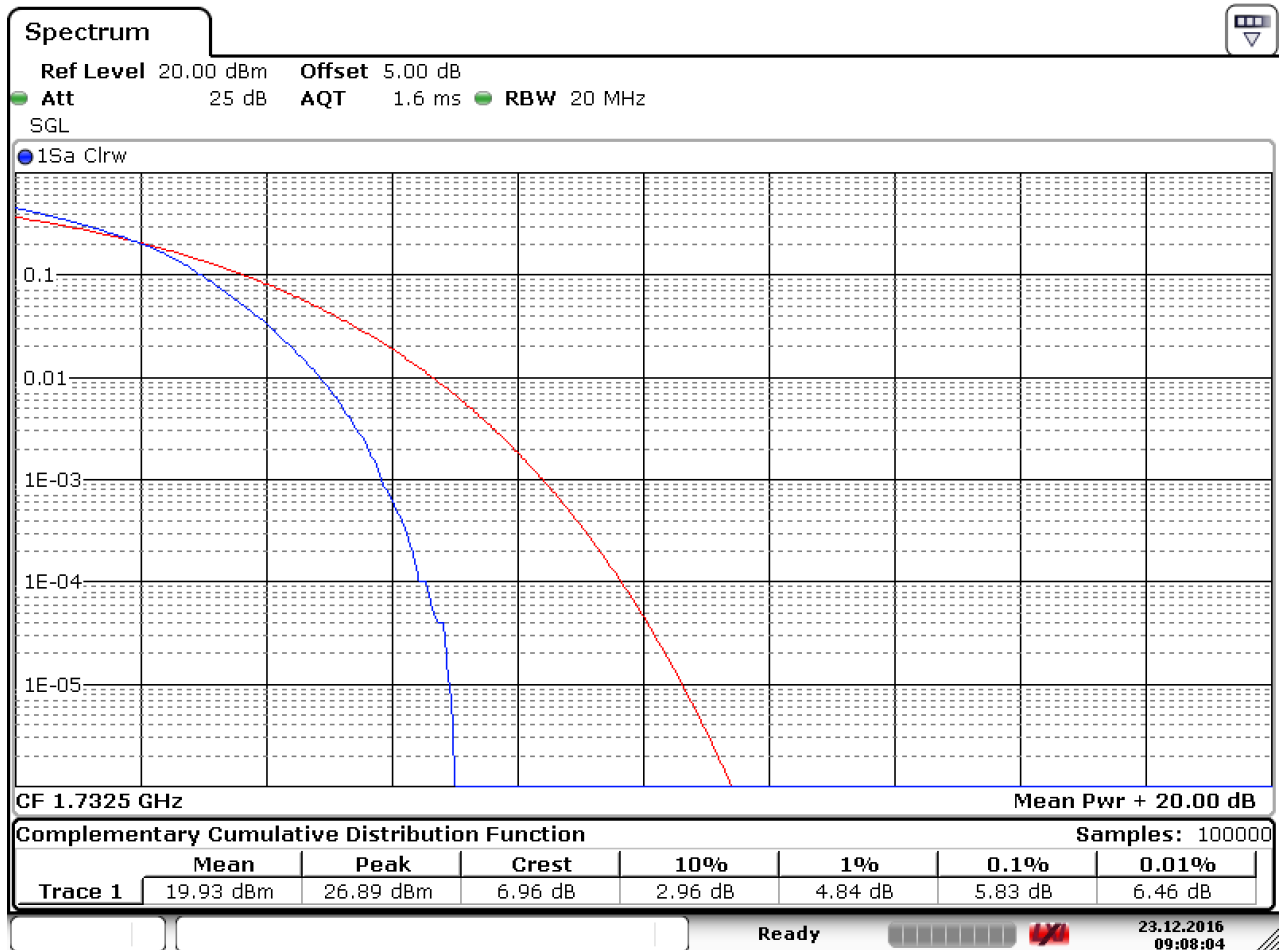
2.1.1.2.1 Test Channel = LCH



Date: 23.DEC.2016 09:08:52



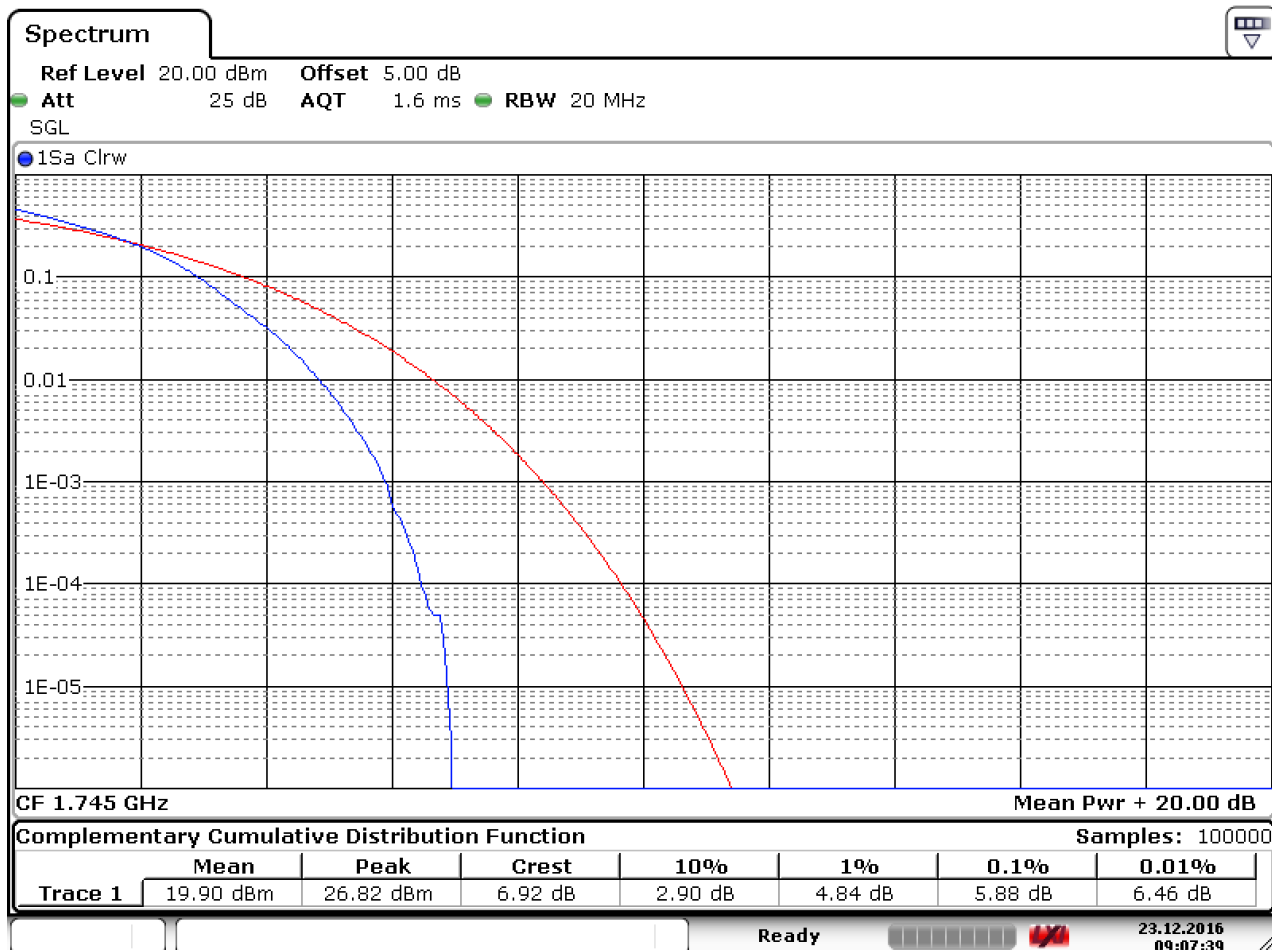
2.1.1.2.2 Test Channel = MCH



Date: 23.DEC.2016 09:08:05



2.1.1.2.3 Test Channel = HCH



Date: 23.DEC.2016 09:07:40



3 Modulation Characteristics

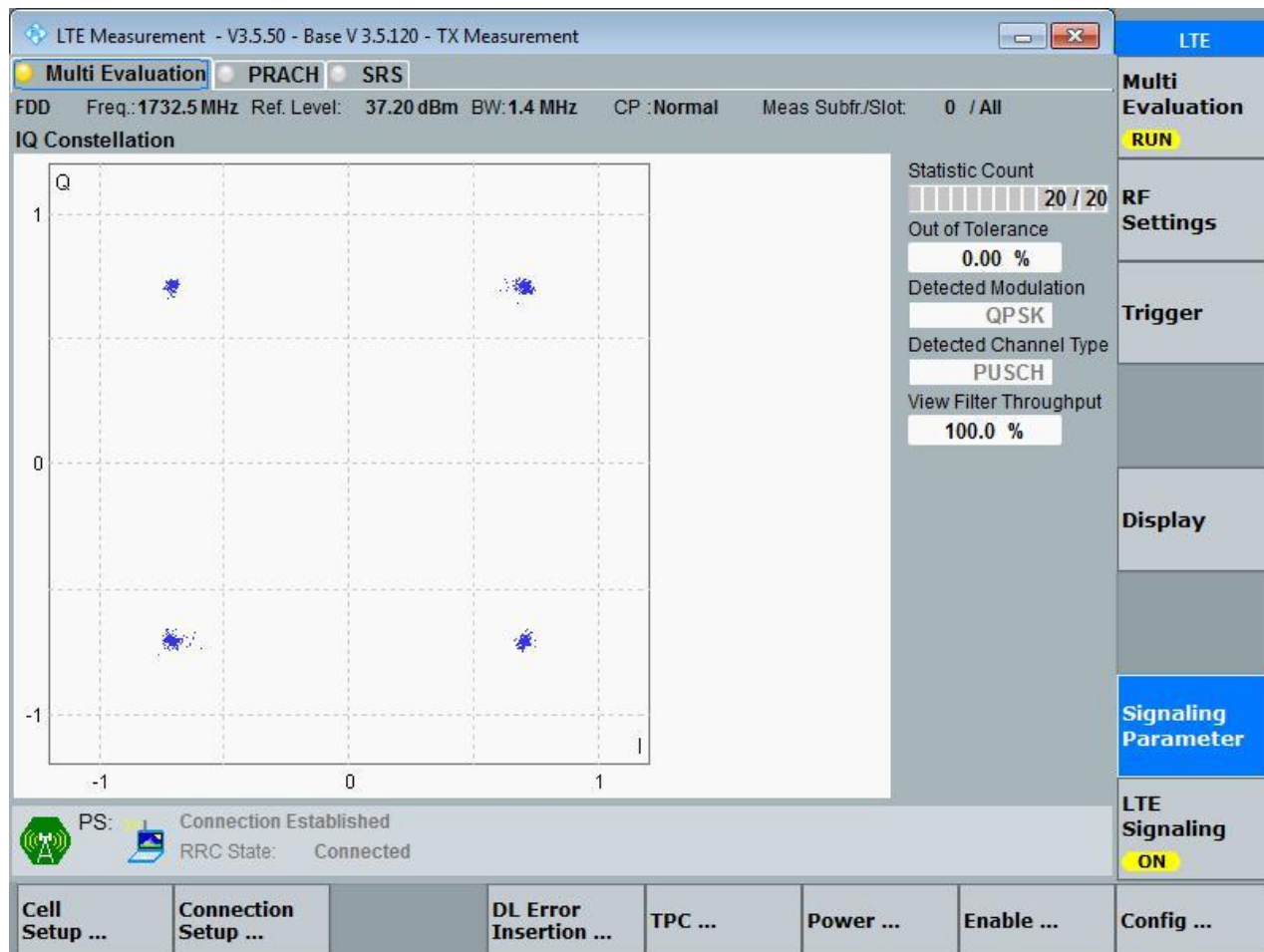
Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = LTE band4

3.1.1.1 Test Mode = LTE /TM1 1.4MHz

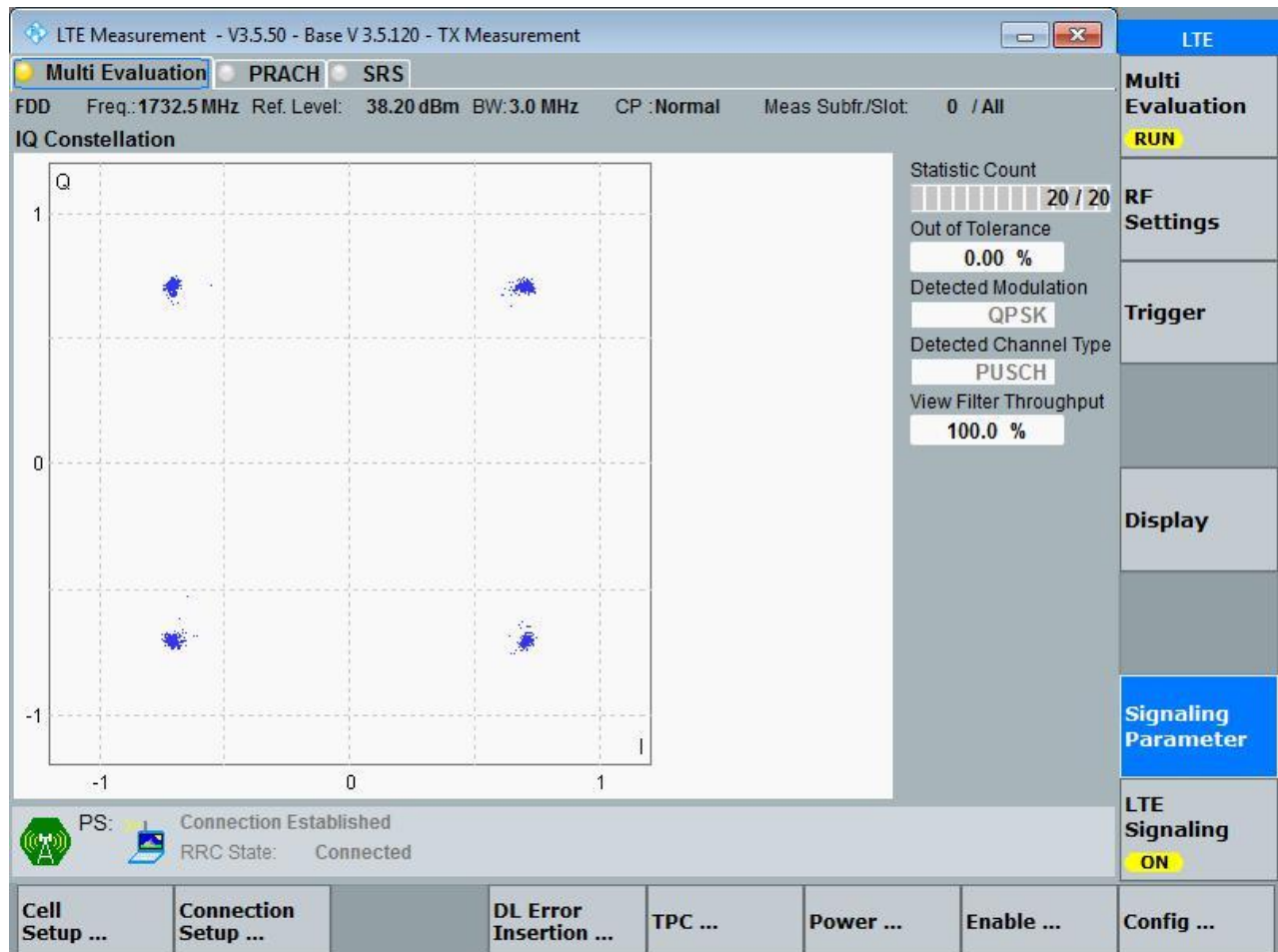
3.1.1.1.1 Test Channel = MCH





3.1.1.2 Test Mode = LTE /TM1 3MHz

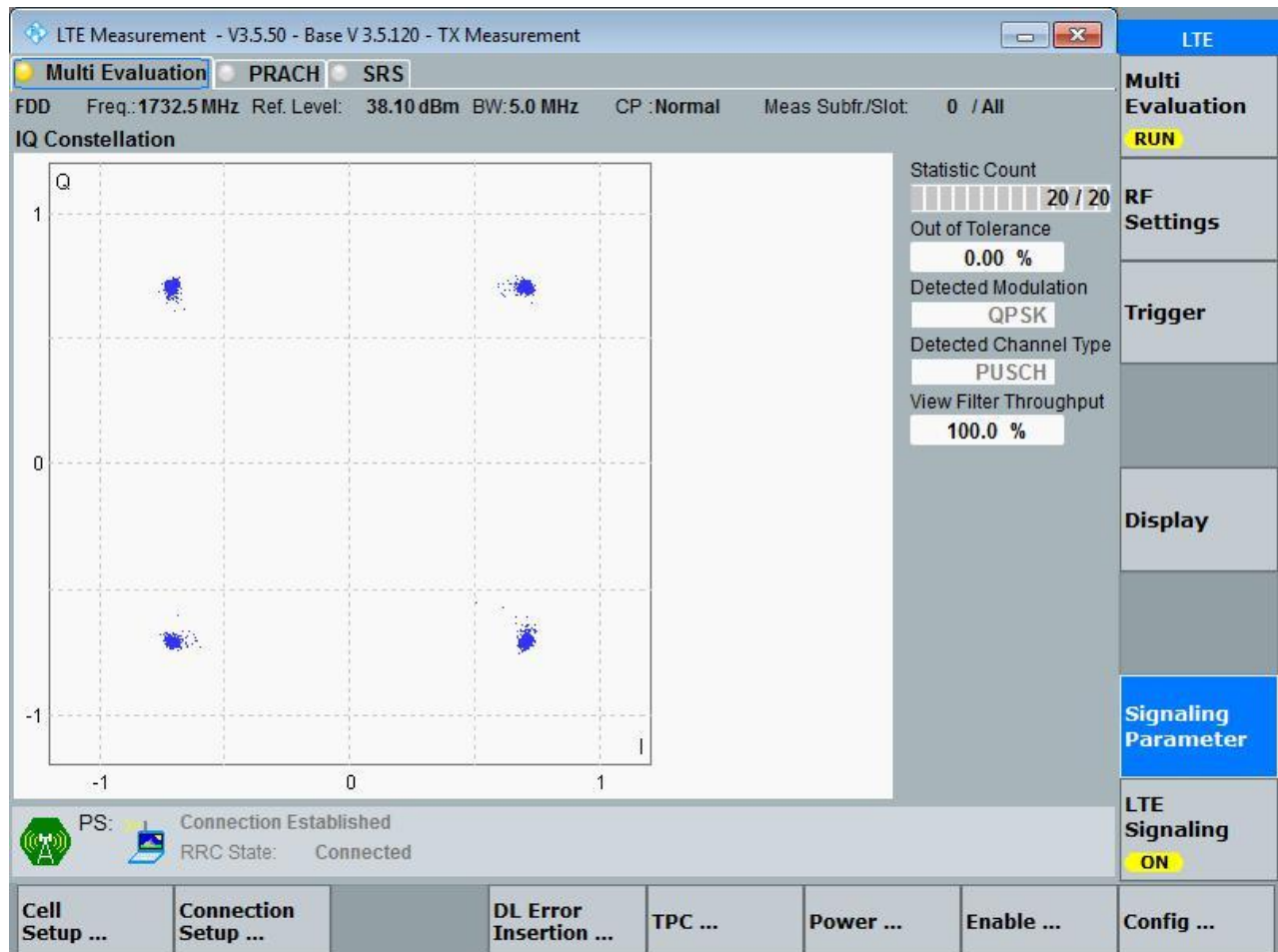
3.1.1.2.1 Test Channel = MCH





3.1.1.3 Test Mode = LTE /TM1 5MHz

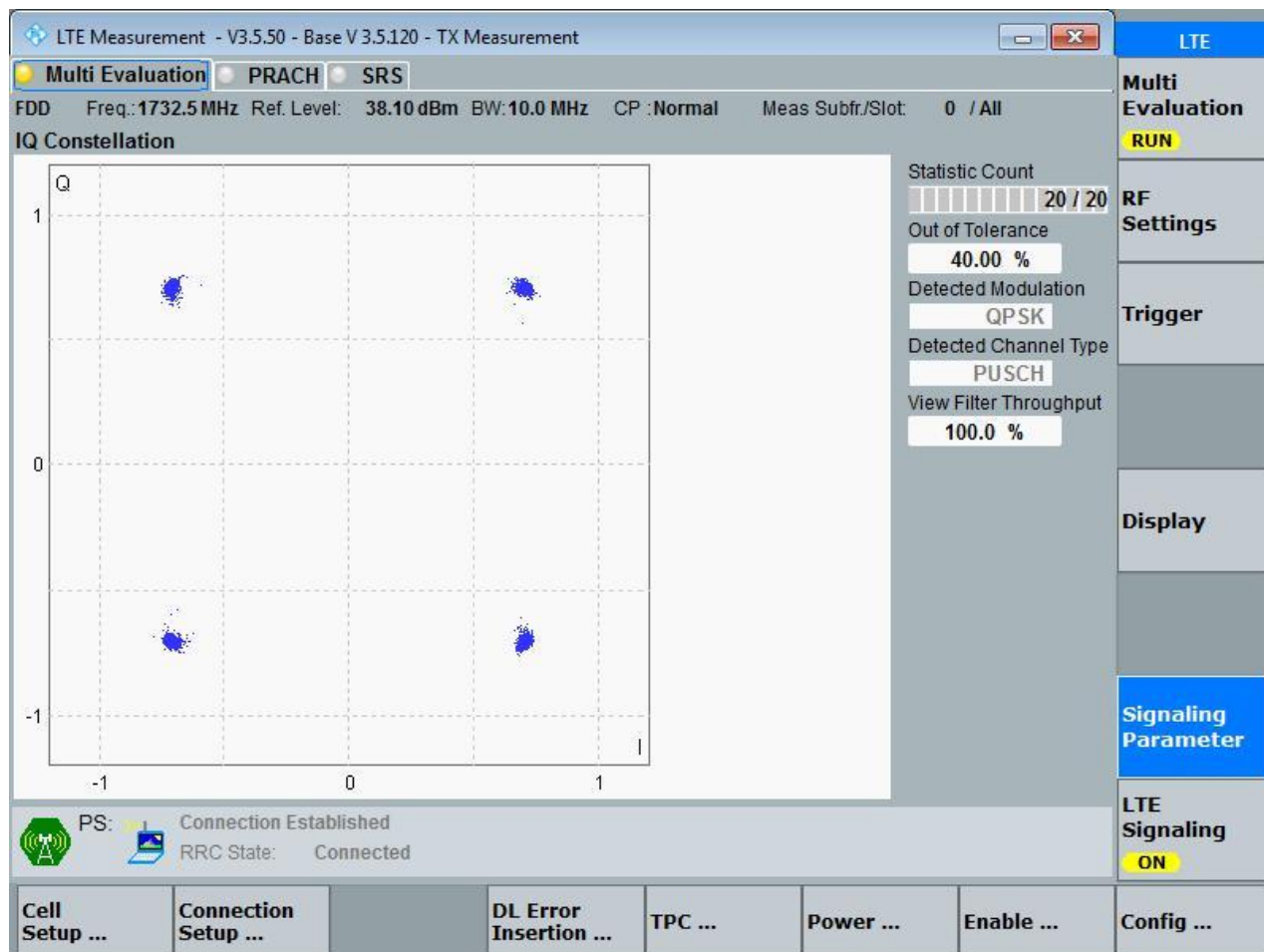
3.1.1.3.1 Test Channel = MCH





3.1.1.4 Test Mode = LTE /TM1 10MHz

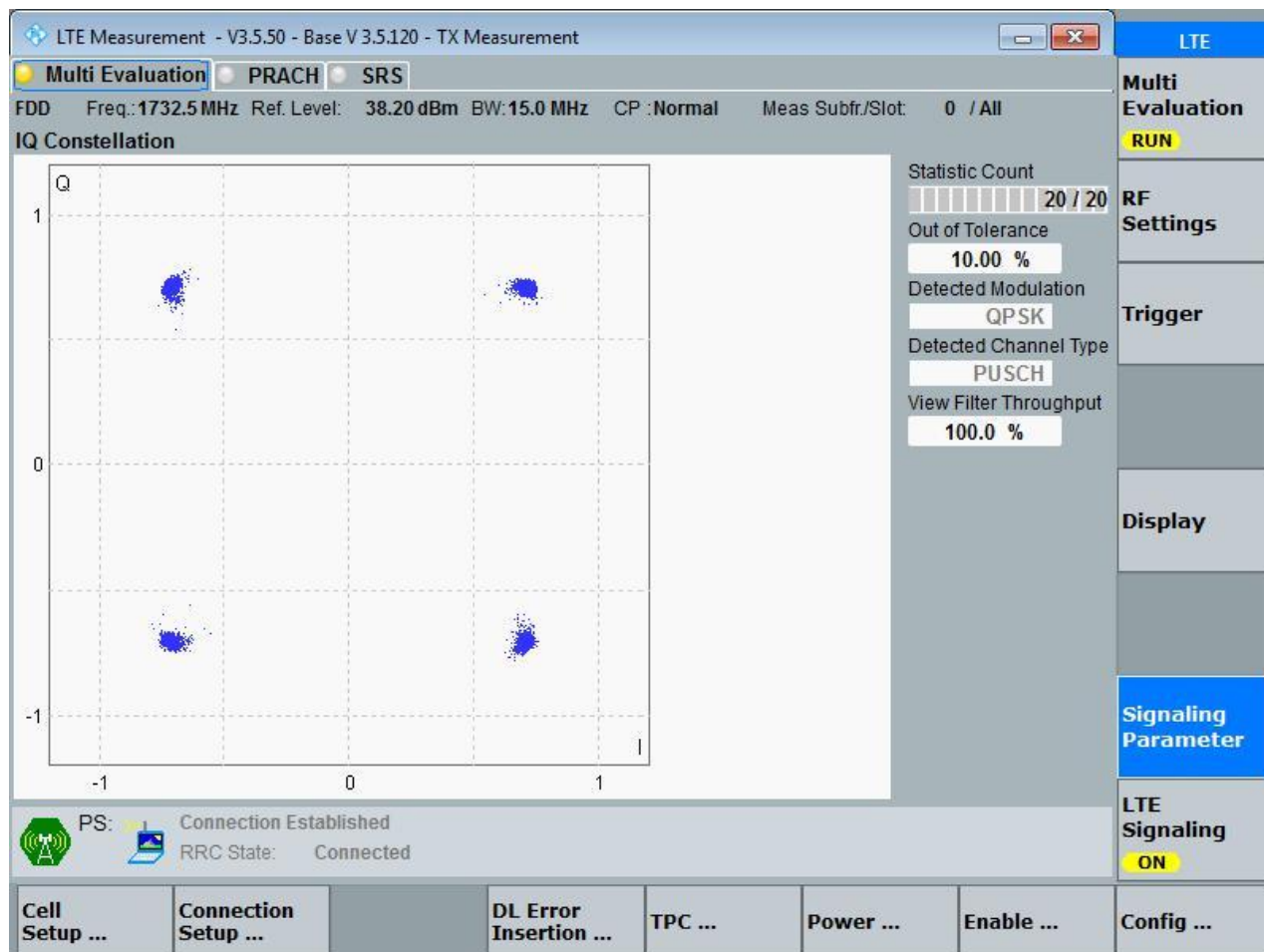
3.1.1.4.1 Test Channel = MCH





3.1.1.5 Test Mode = LTE /TM1 15MHz

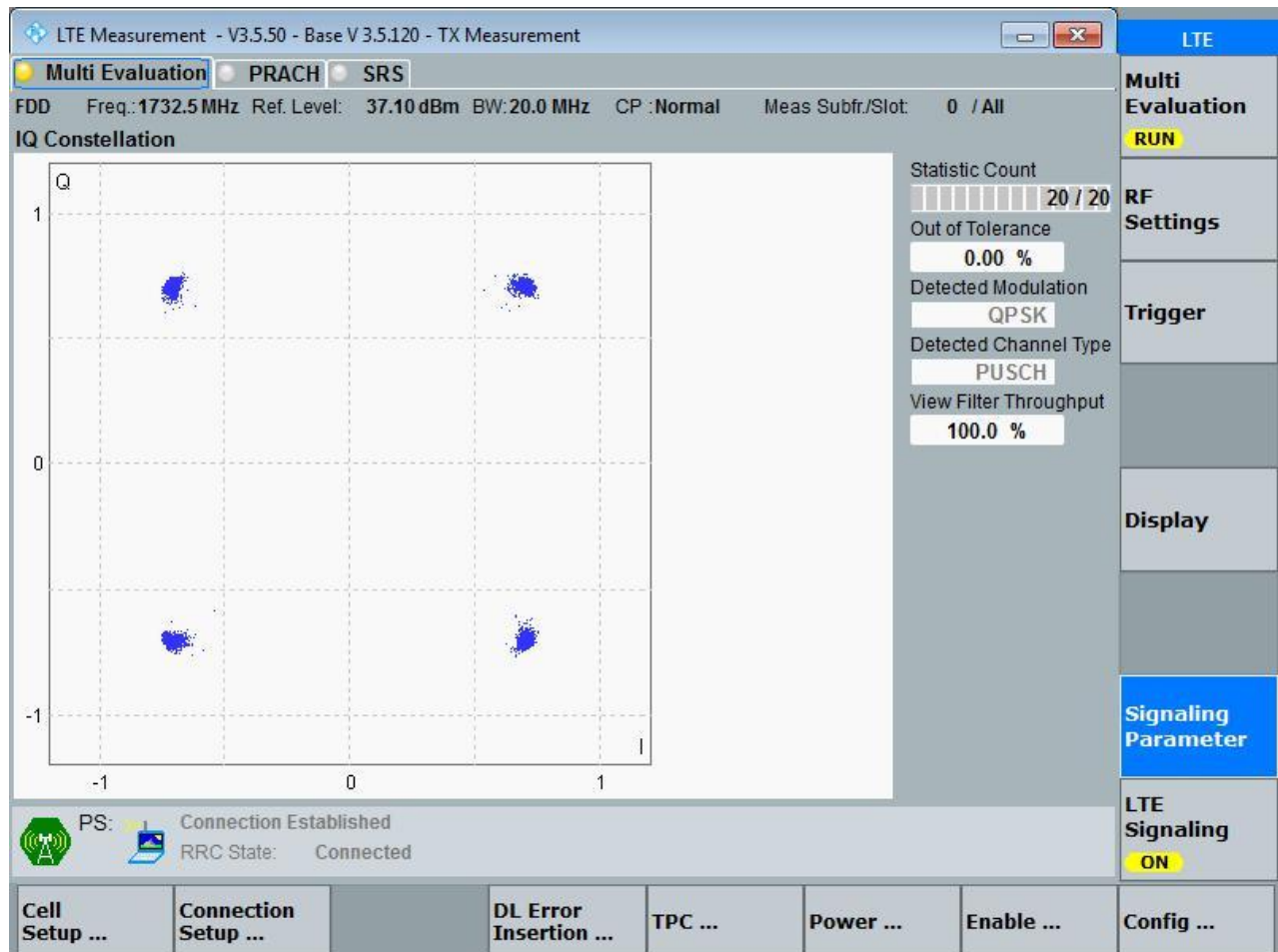
3.1.1.5.1 Test Channel = MCH





3.1.1.6 Test Mode = LTE /TM1 20MHz

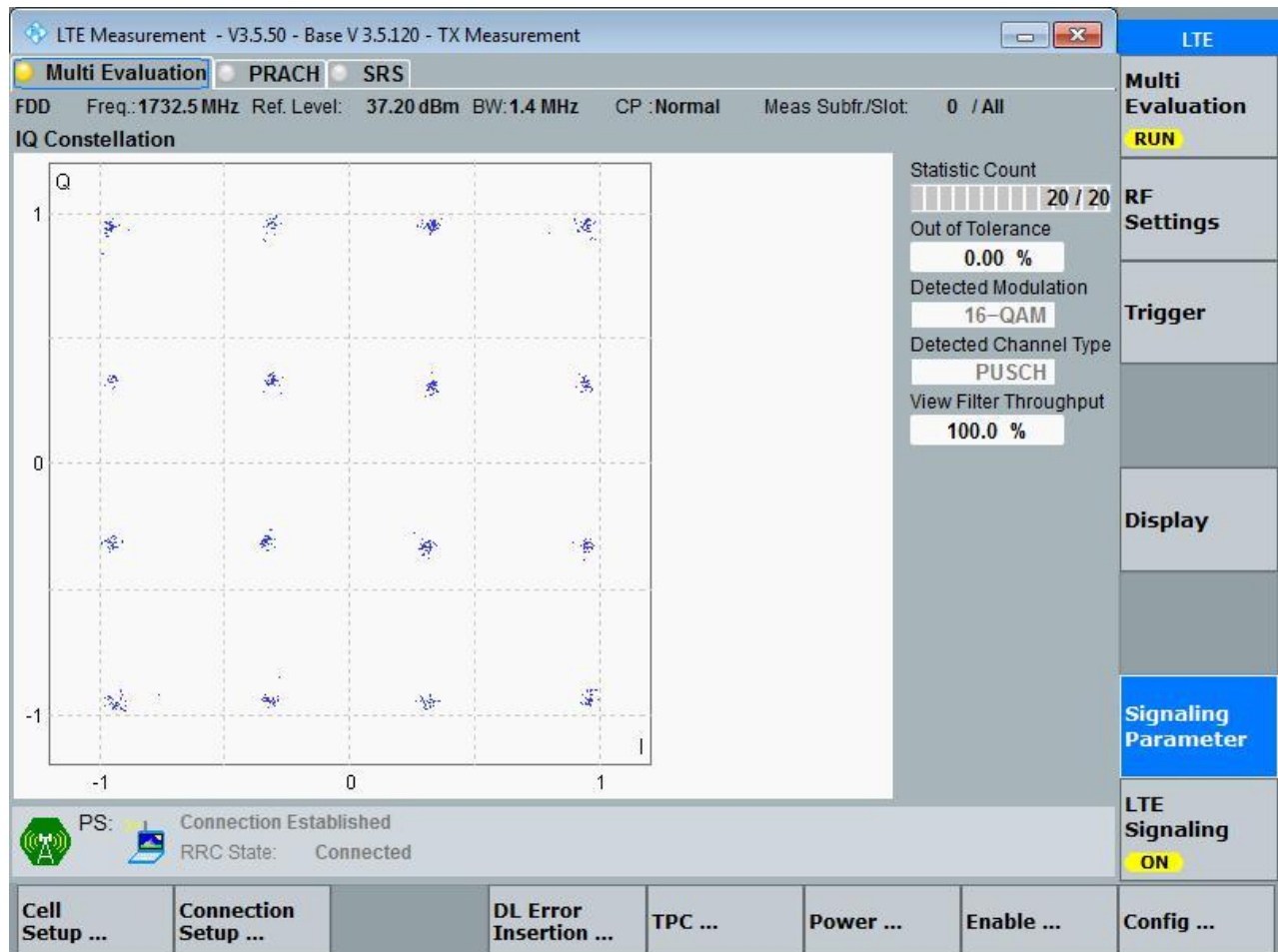
3.1.1.6.1 Test Channel = MCH





3.1.1.7 Test Mode = LTE /TM2 1.4MHz

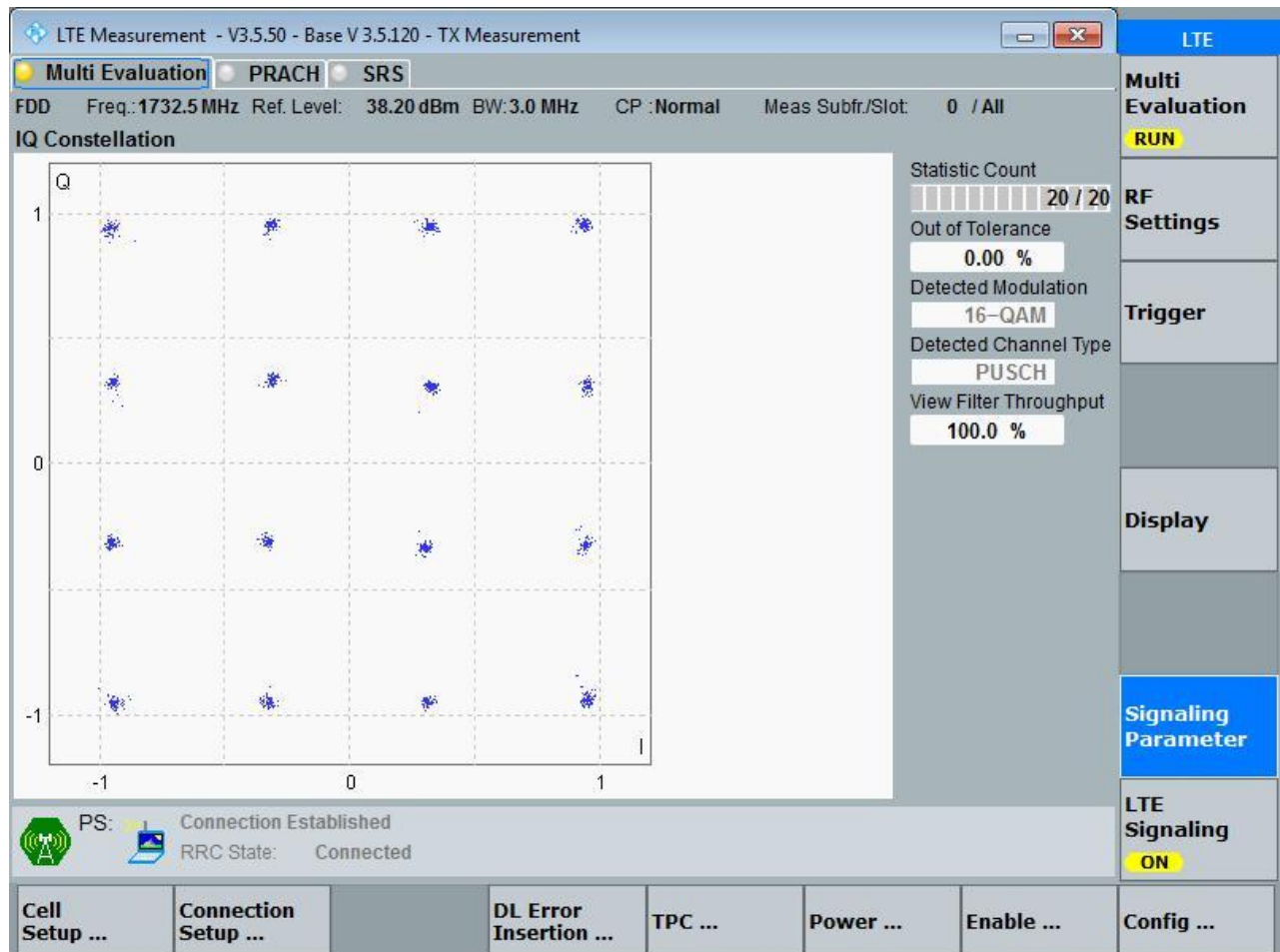
3.1.1.7.1 Test Channel = MCH





3.1.1.8 Test Mode = LTE /TM2 3MHz

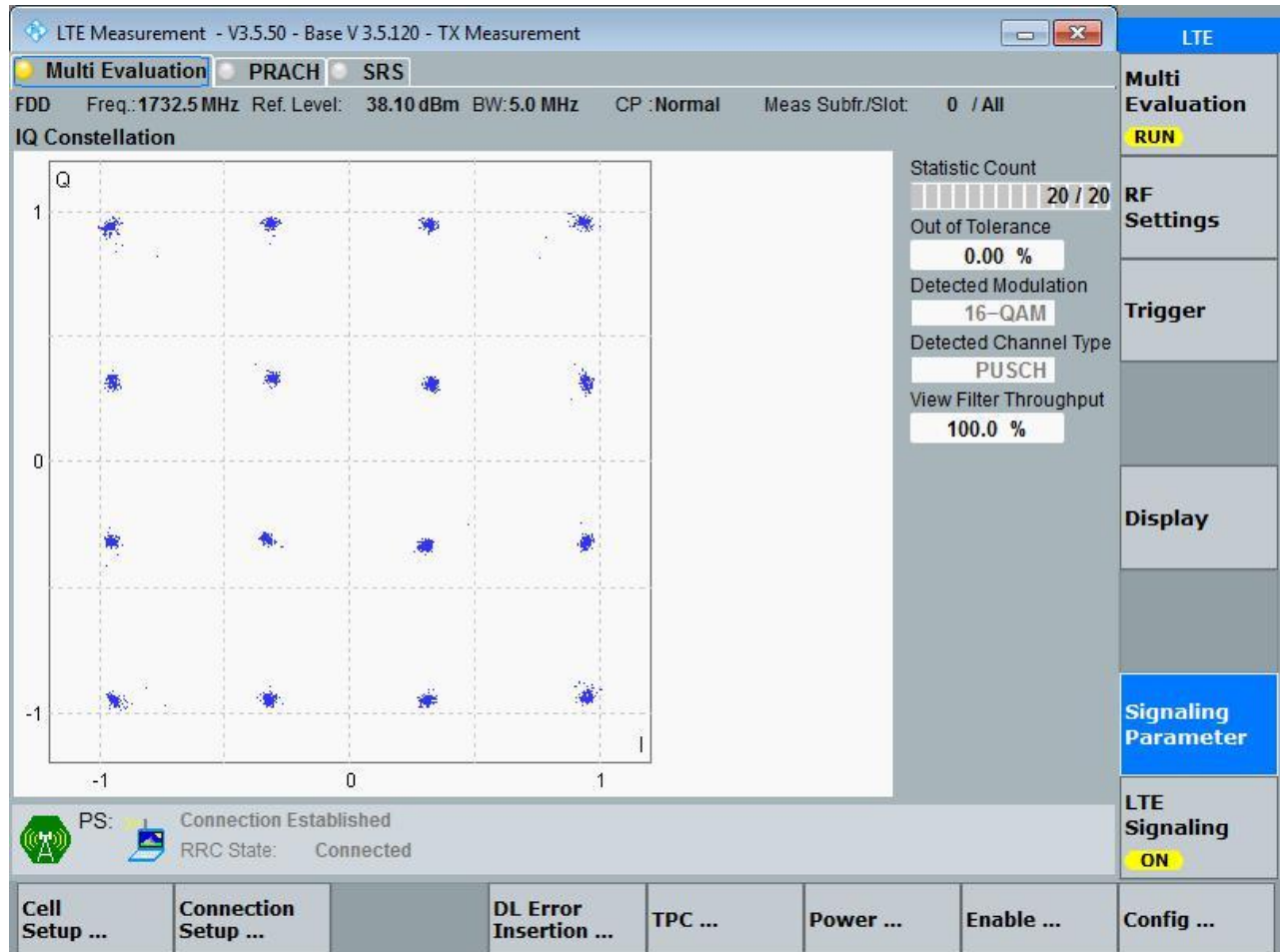
3.1.1.8.1 Test Channel = MCH





3.1.1.9 Test Mode = LTE /TM2 5MHz

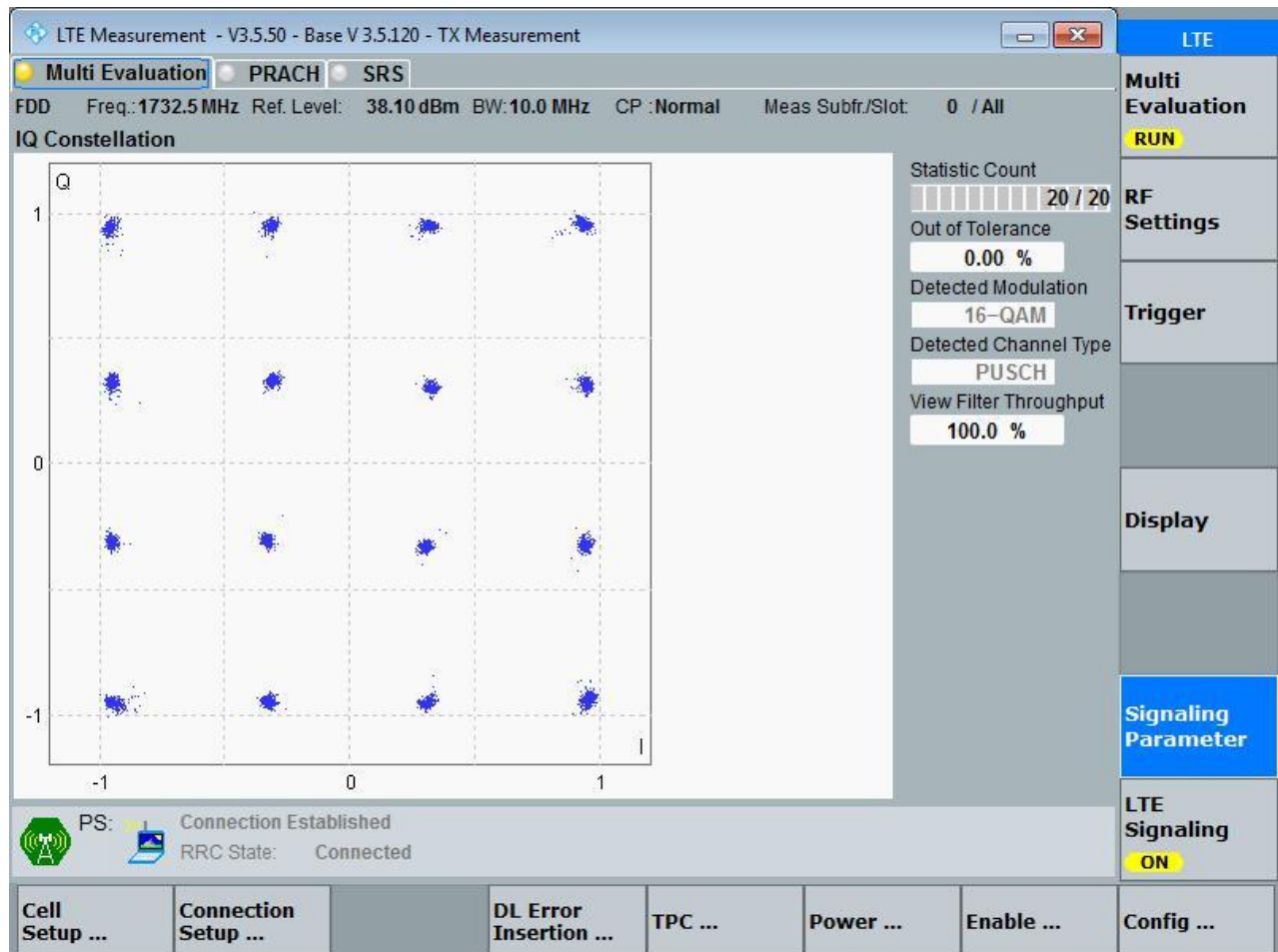
3.1.1.9.1 Test Channel = MCH





3.1.1.10 Test Mode = LTE /TM2 10MHz

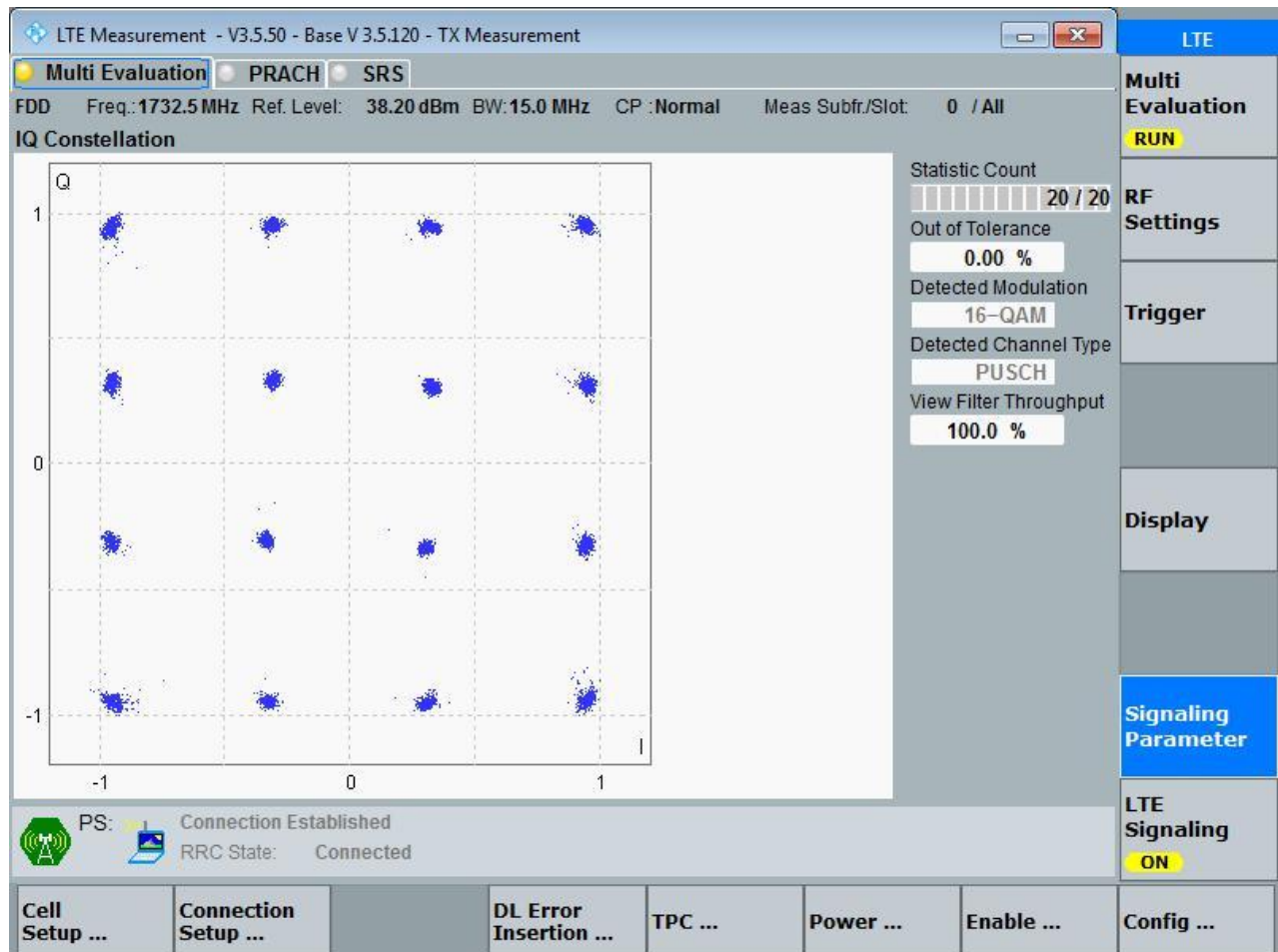
3.1.1.10.1 Test Channel = MCH





3.1.1.11 Test Mode = LTE /TM2 15MHz

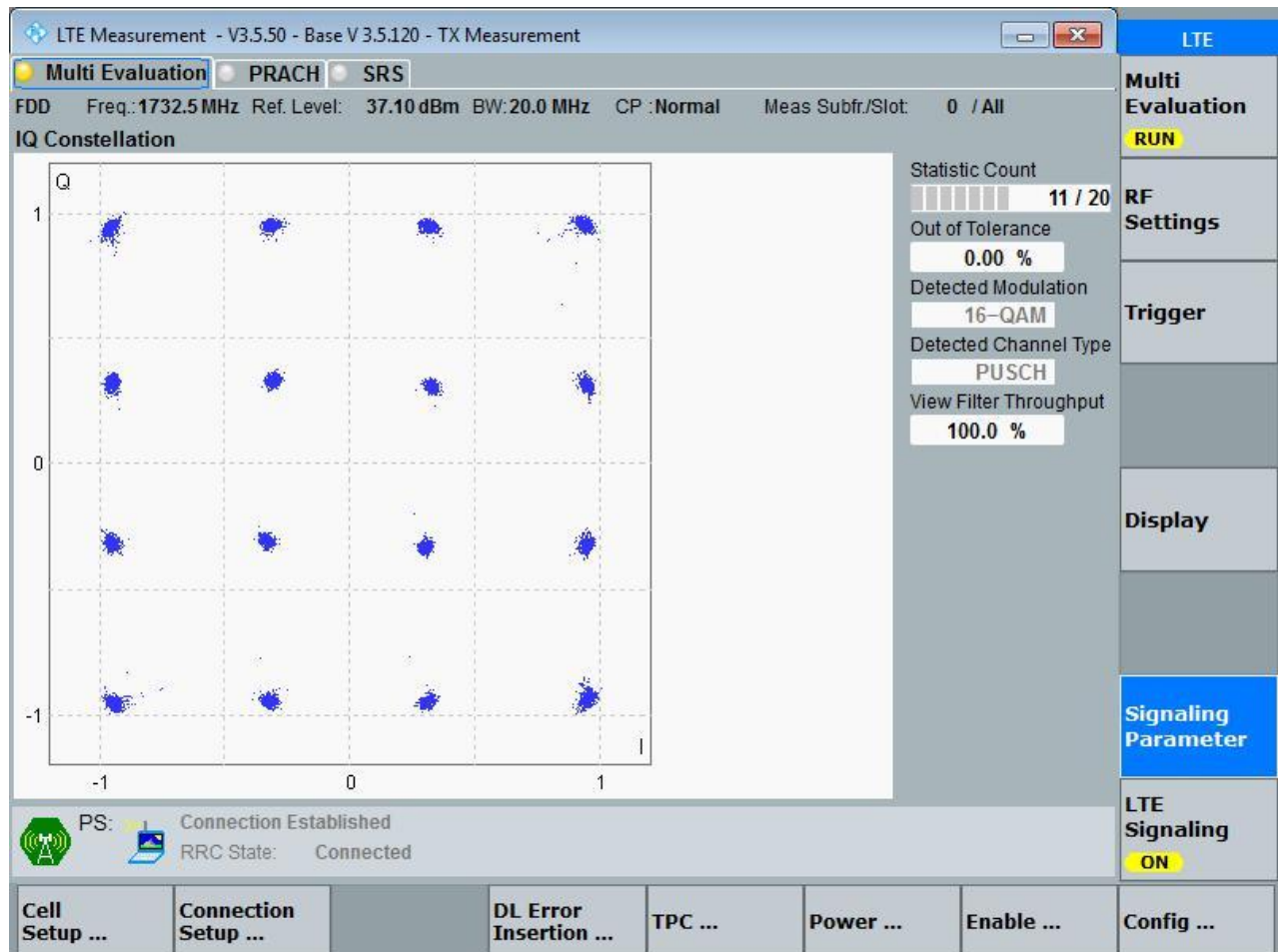
3.1.1.11.1 Test Channel = MCH





3.1.1.12 Test Mode = LTE /TM2 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 4 | TM1/1.4MHz | LCH | 1.09 | 1.27 | PASS |
| | | MCH | 1.10 | 1.27 | PASS |
| | | HCH | 1.10 | 1.28 | PASS |
| | TM2/1.4MHz | LCH | 1.10 | 1.29 | PASS |
| | | MCH | 1.10 | 1.27 | PASS |
| | | HCH | 1.09 | 1.27 | PASS |
| | TM1/ 3MHz | LCH | 2.69 | 2.90 | PASS |
| | | MCH | 2.69 | 2.91 | PASS |
| | | HCH | 2.69 | 2.93 | PASS |
| | TM2/ 3MHz | LCH | 2.69 | 2.91 | PASS |
| | | MCH | 2.69 | 2.94 | PASS |
| | | HCH | 2.68 | 2.91 | PASS |
| | TM1/ 5MHz | LCH | 4.50 | 4.97 | PASS |
| | | MCH | 4.50 | 4.98 | PASS |
| | | HCH | 4.48 | 4.95 | PASS |
| | TM2/ 5MHz | LCH | 4.49 | 4.99 | PASS |
| | | MCH | 4.49 | 4.95 | PASS |
| | | HCH | 4.50 | 5.00 | PASS |
| | TM1/ 10MHz | LCH | 8.93 | 9.71 | PASS |
| | | MCH | 8.97 | 9.80 | PASS |
| | | HCH | 8.93 | 9.75 | PASS |
| | TM2/ 10MHz | LCH | 8.95 | 9.73 | PASS |
| | | MCH | 8.95 | 9.70 | PASS |
| | | HCH | 8.93 | 9.71 | PASS |
| | TM1/ 15MHz | LCH | 13.46 | 14.87 | PASS |
| | | MCH | 13.52 | 14.95 | PASS |
| | | HCH | 13.49 | 14.96 | PASS |
| | TM2/ 15MHz | LCH | 13.52 | 14.90 | PASS |
| | | MCH | 13.52 | 14.83 | PASS |
| | | HCH | 13.52 | 14.87 | PASS |
| | TM1/ 20MHz | LCH | 17.90 | 19.42 | PASS |
| | | MCH | 17.94 | 19.46 | PASS |
| | | HCH | 17.94 | 19.72 | PASS |

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| Test Band | Test Mode | Test Channel | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|------------|--------------|--------------------------|--------------------------|---------|
| | TM2/ 20MHz | LCH | 17.90 | 19.58 | PASS |
| | | MCH | 17.98 | 19.42 | PASS |
| | | HCH | 17.94 | 19.60 | PASS |

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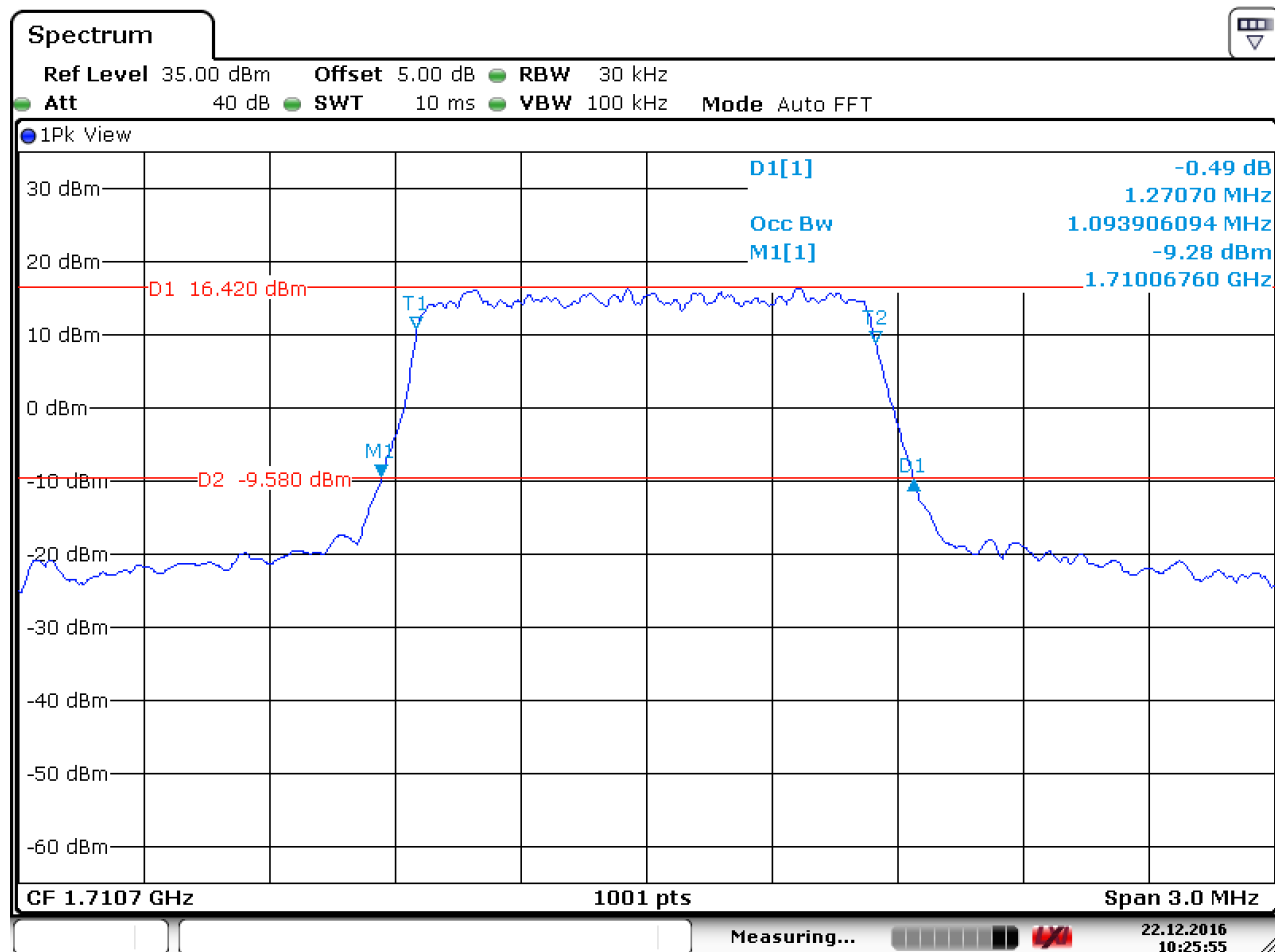


4.1 For LTE

4.1.1 Test Band = LTE band4

4.1.1.1 Test Mode = LTE/TM1 1.4MHz

4.1.1.1.1 Test Channel = LCH



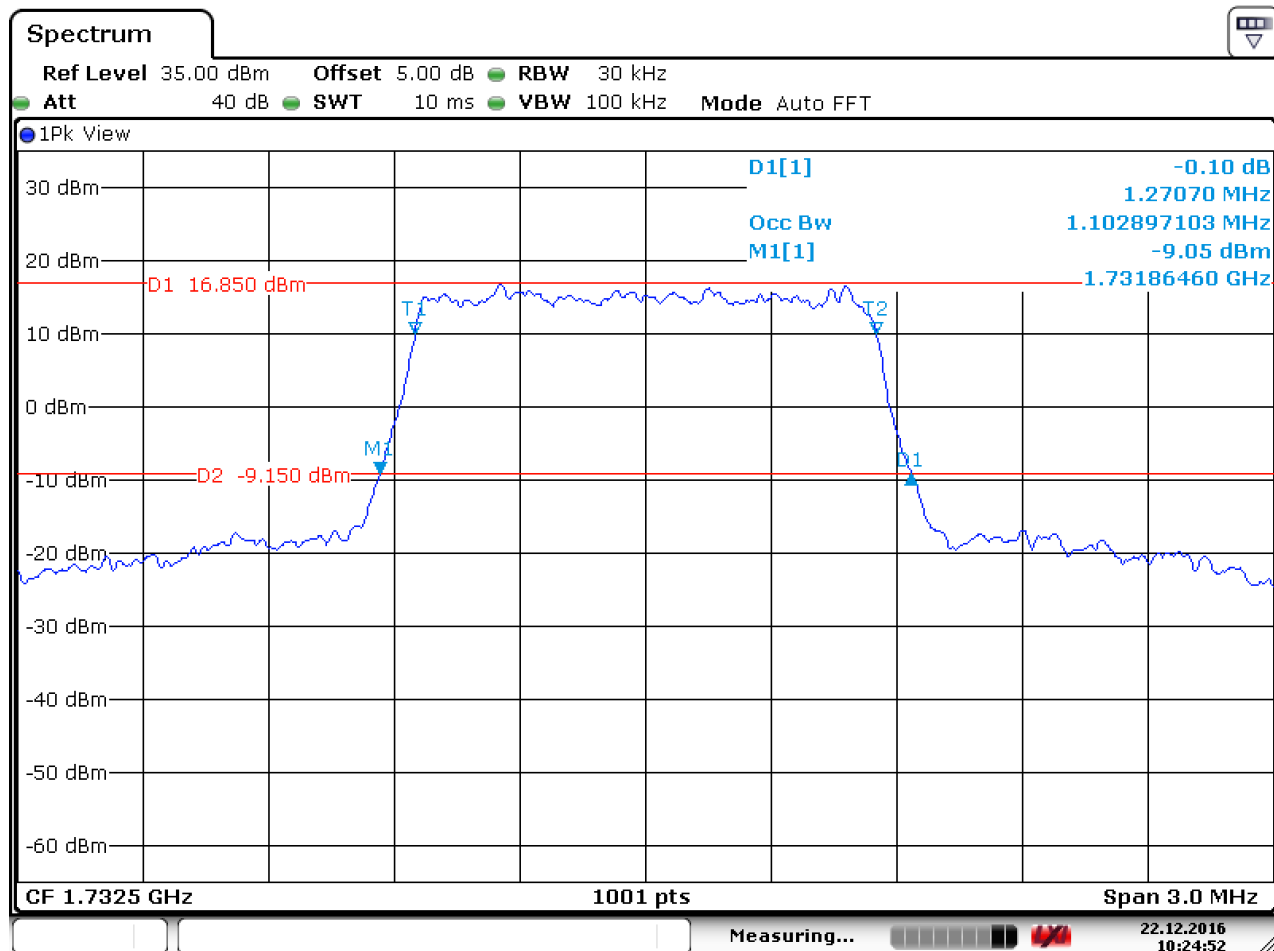
Date: 22.DEC.2016 10:25:55



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4.1.1.1.2 Test Channel = MCH

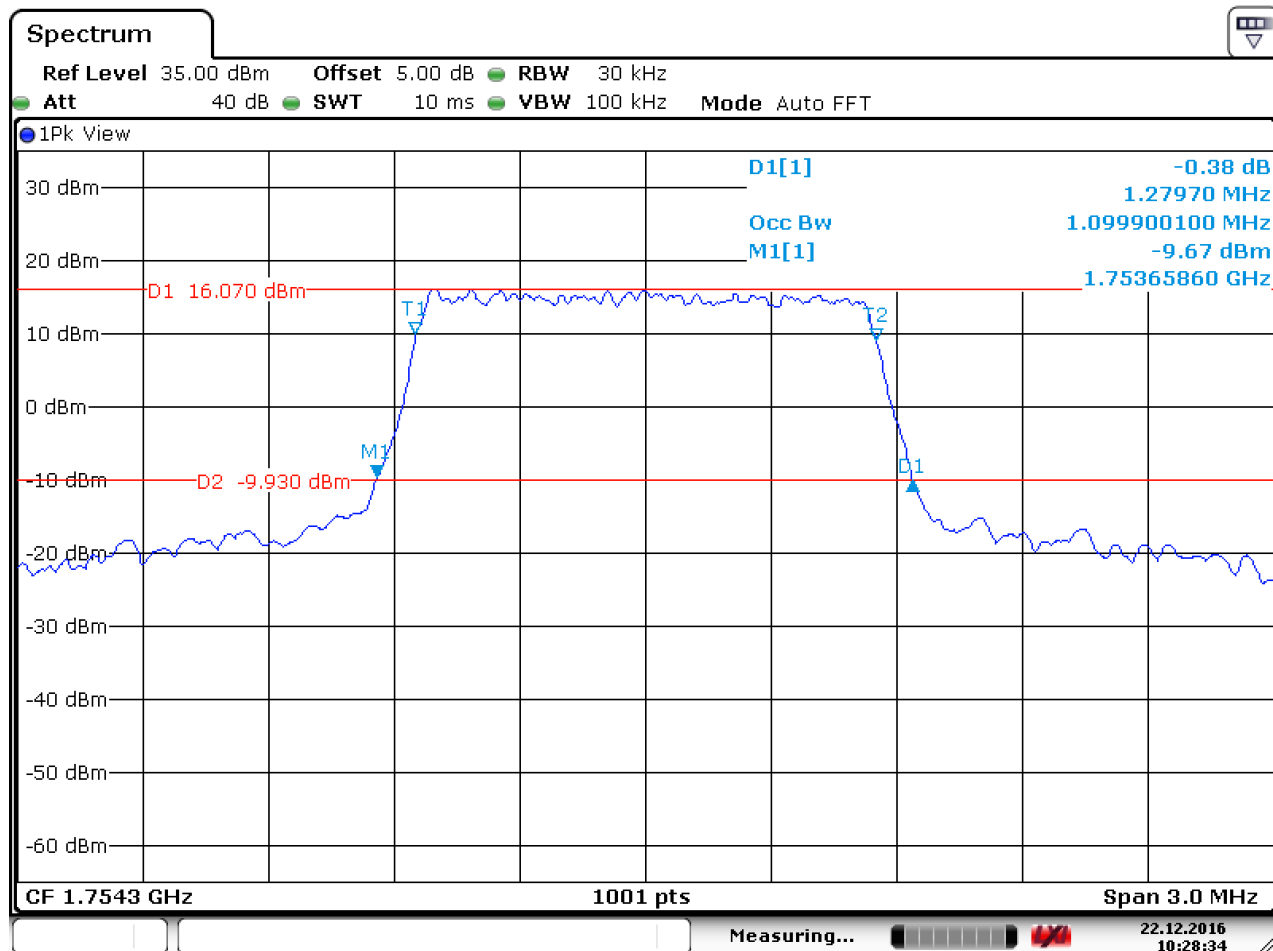


Date: 22.DEC.2016 10:24:52

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4.1.1.1.3 Test Channel = HCH

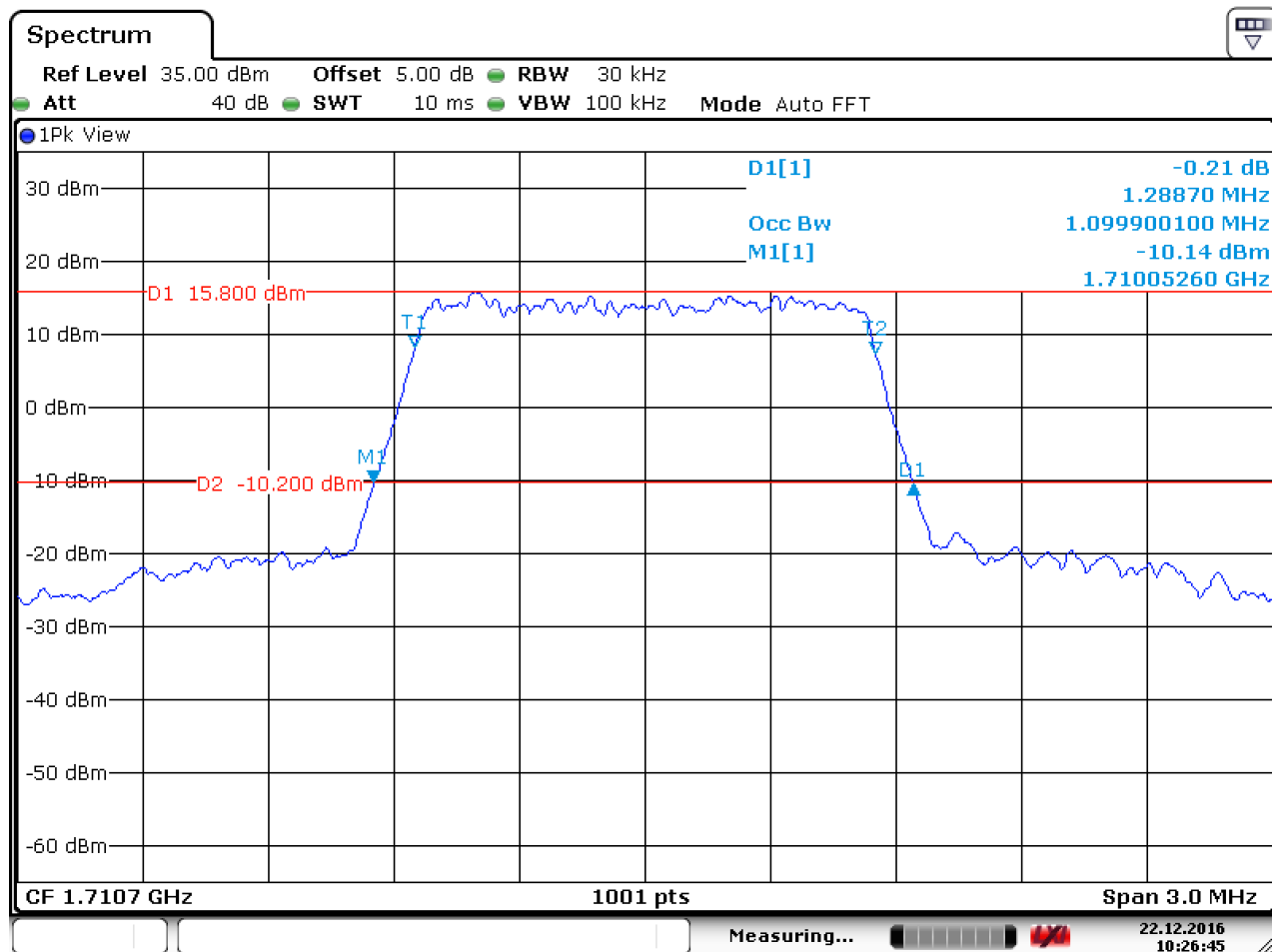


Date: 22.DEC.2016 10:28:35



4.1.1.2 Test Mode = LTE/TM2 1.4MHz

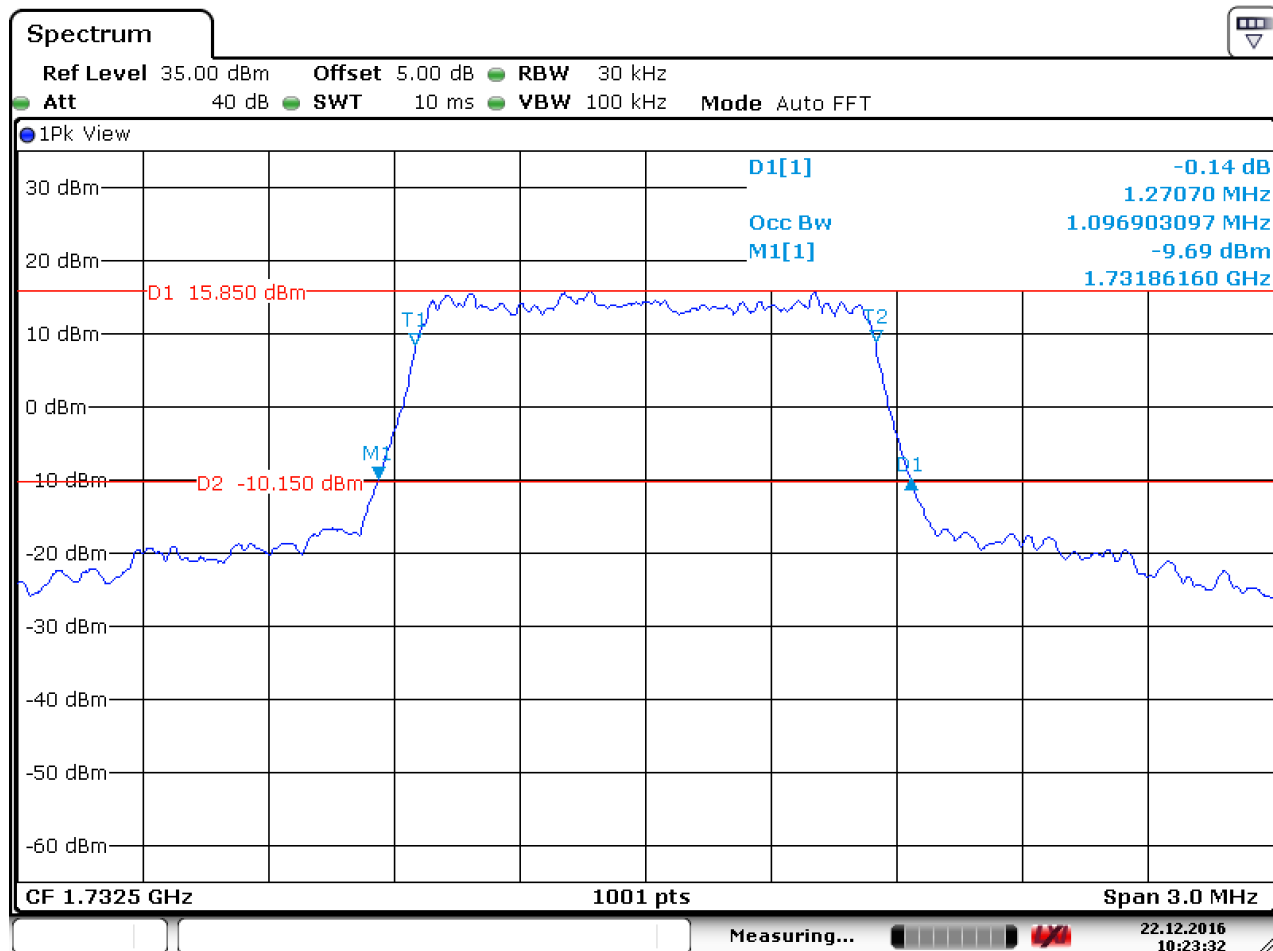
4.1.1.2.1 Test Channel = LCH



Date: 22.DEC.2016 10:26:46



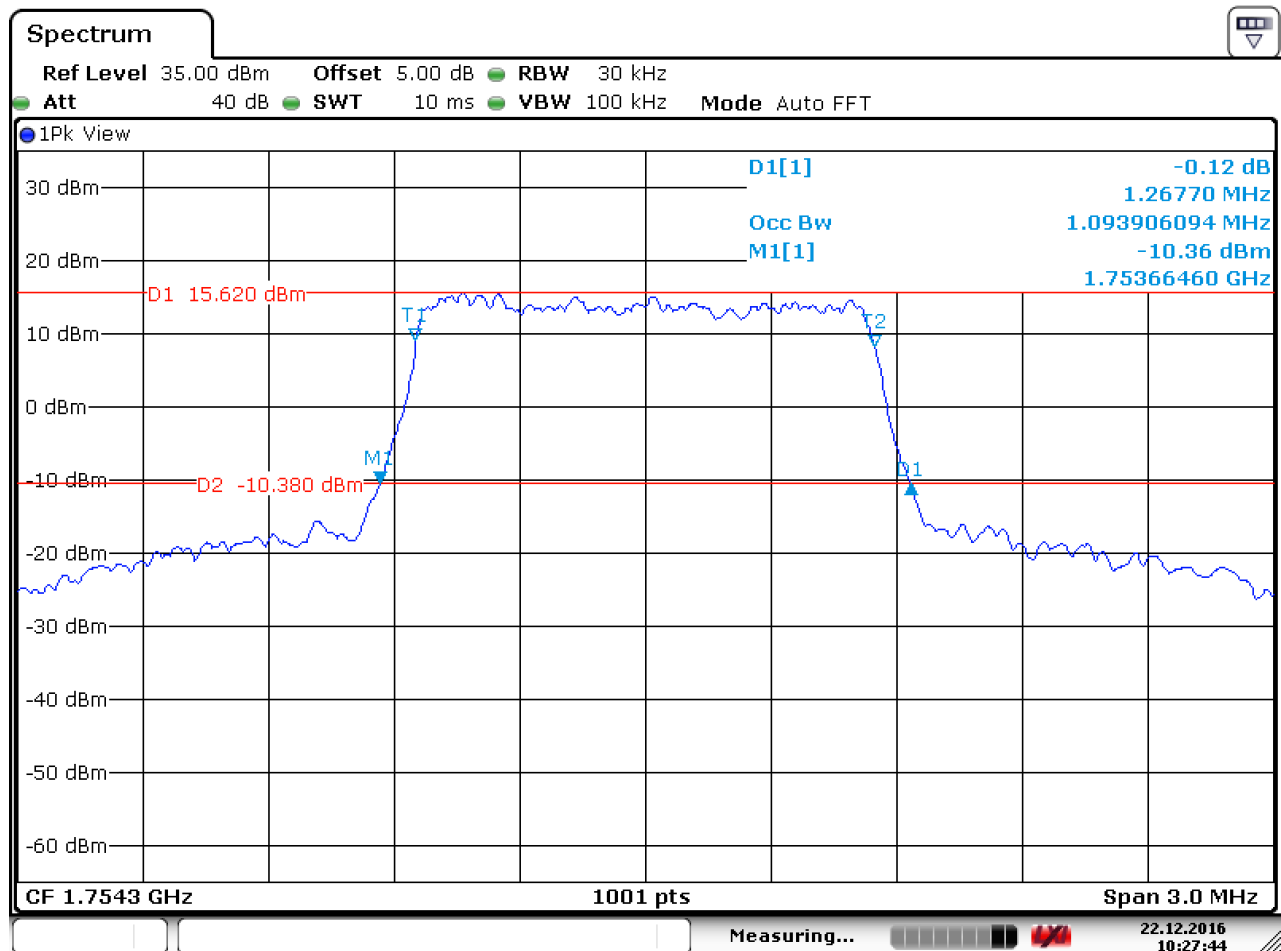
4.1.1.2.2 Test Channel = MCH



Date: 22.DEC.2016 10:23:32



4.1.1.2.3 Test Channel = HCH

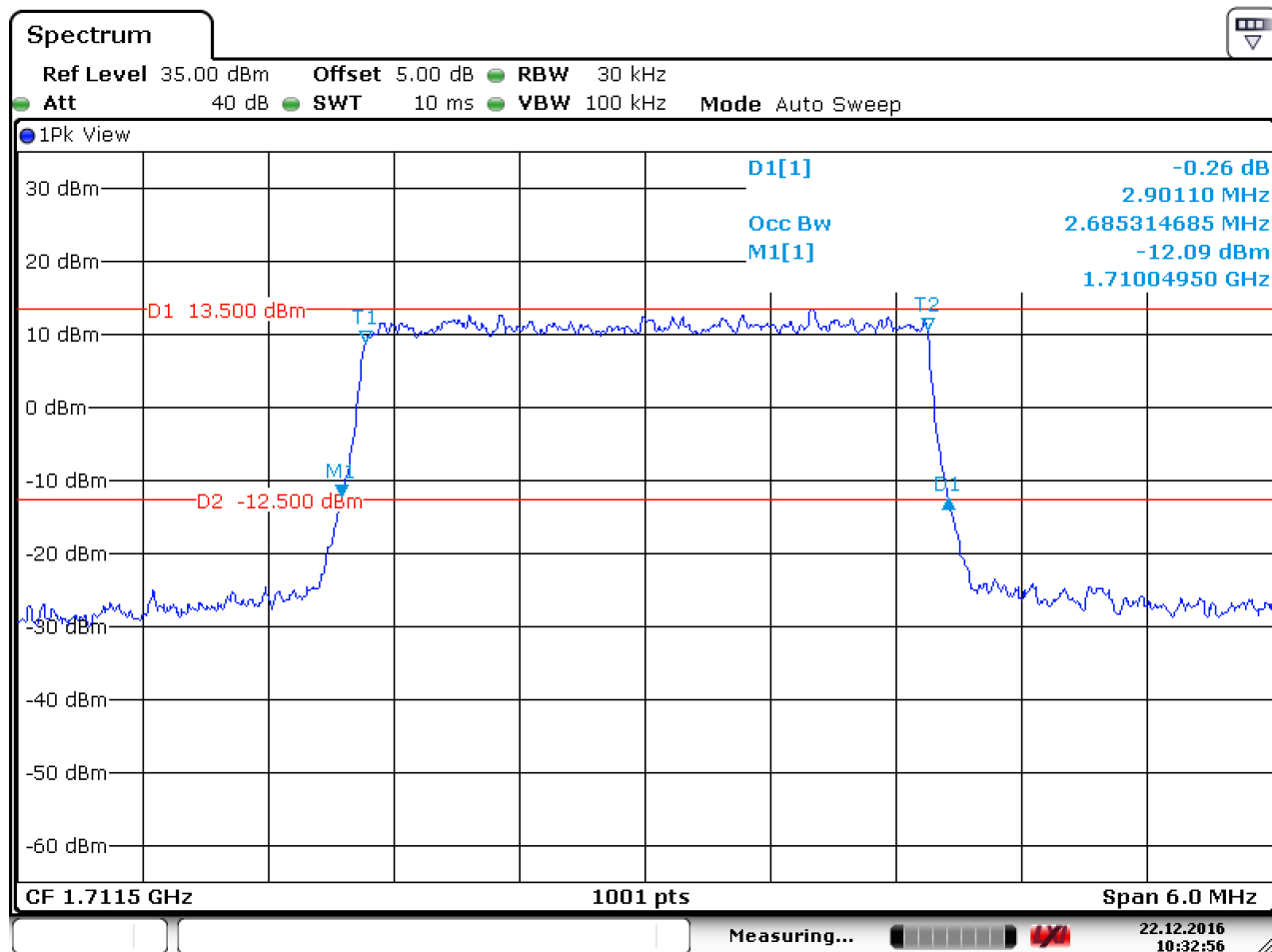


Date: 22.DEC.2016 10:27:44



4.1.1.3 Test Mode = LTE/TM1 3MHz

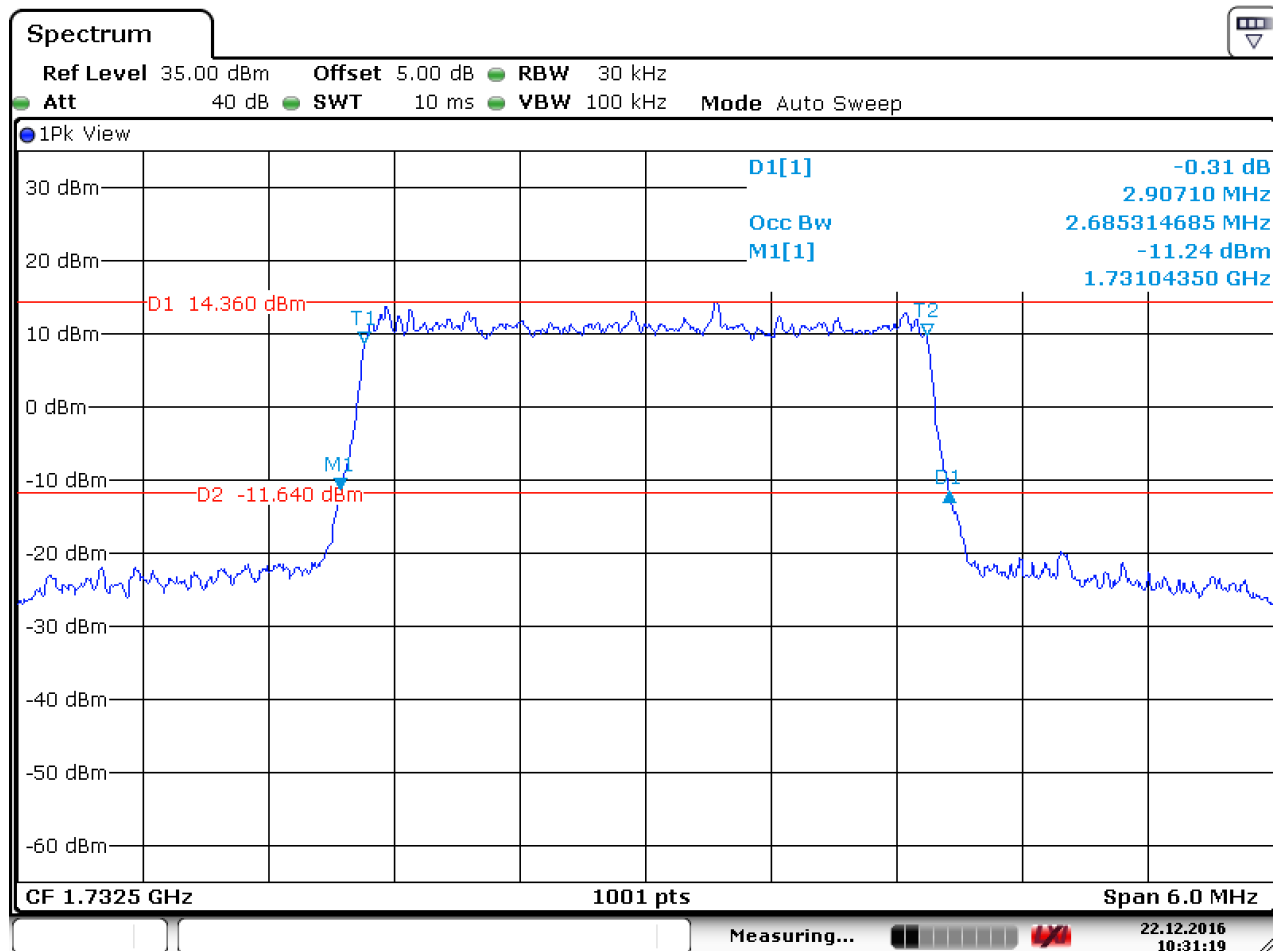
4.1.1.3.1 Test Channel = LCH



Date: 22.DEC.2016 10:32:56



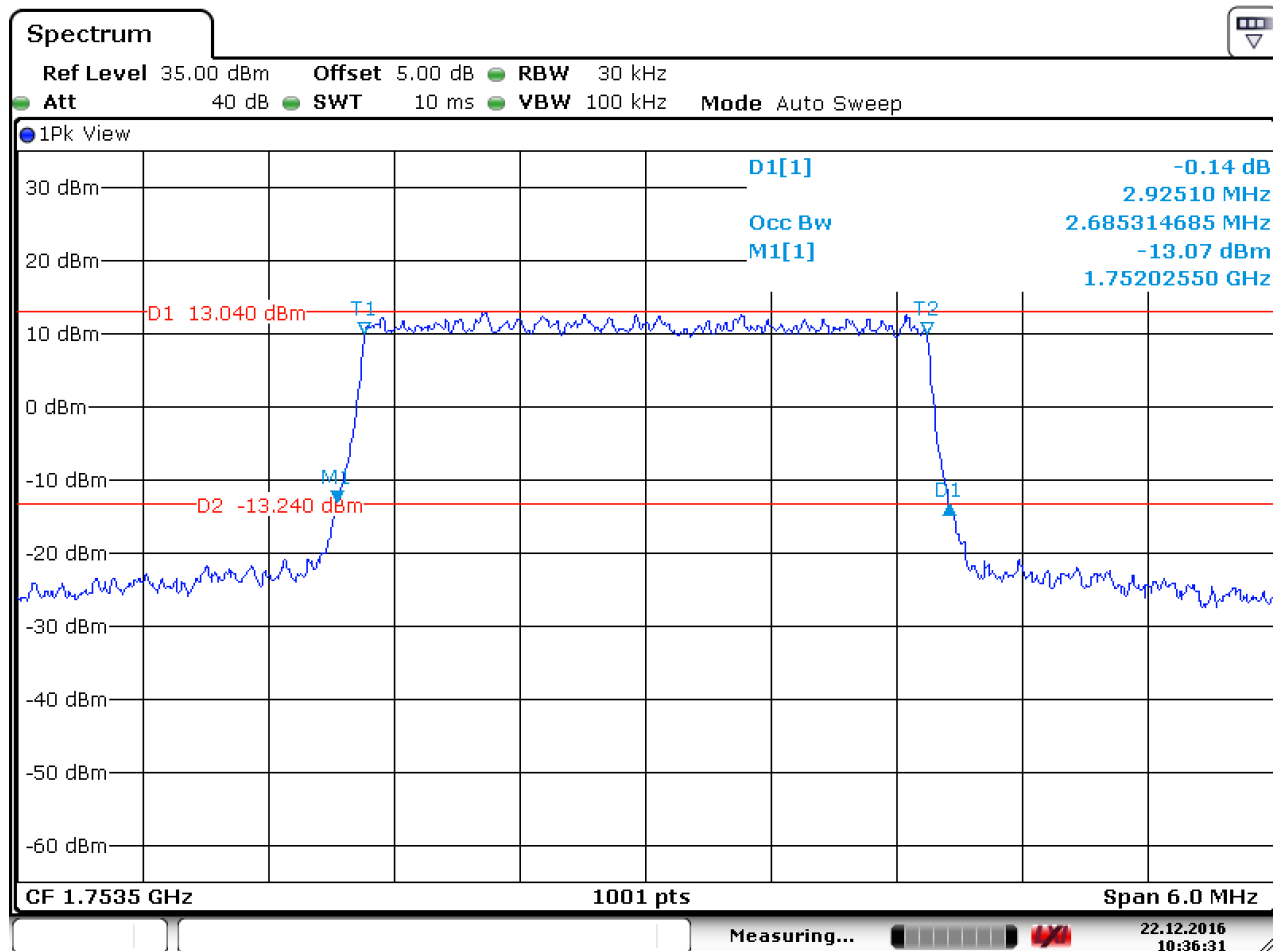
4.1.1.3.2 Test Channel = MCH



Date: 22.DEC.2016 10:31:20



4.1.1.3.3 Test Channel = HCH

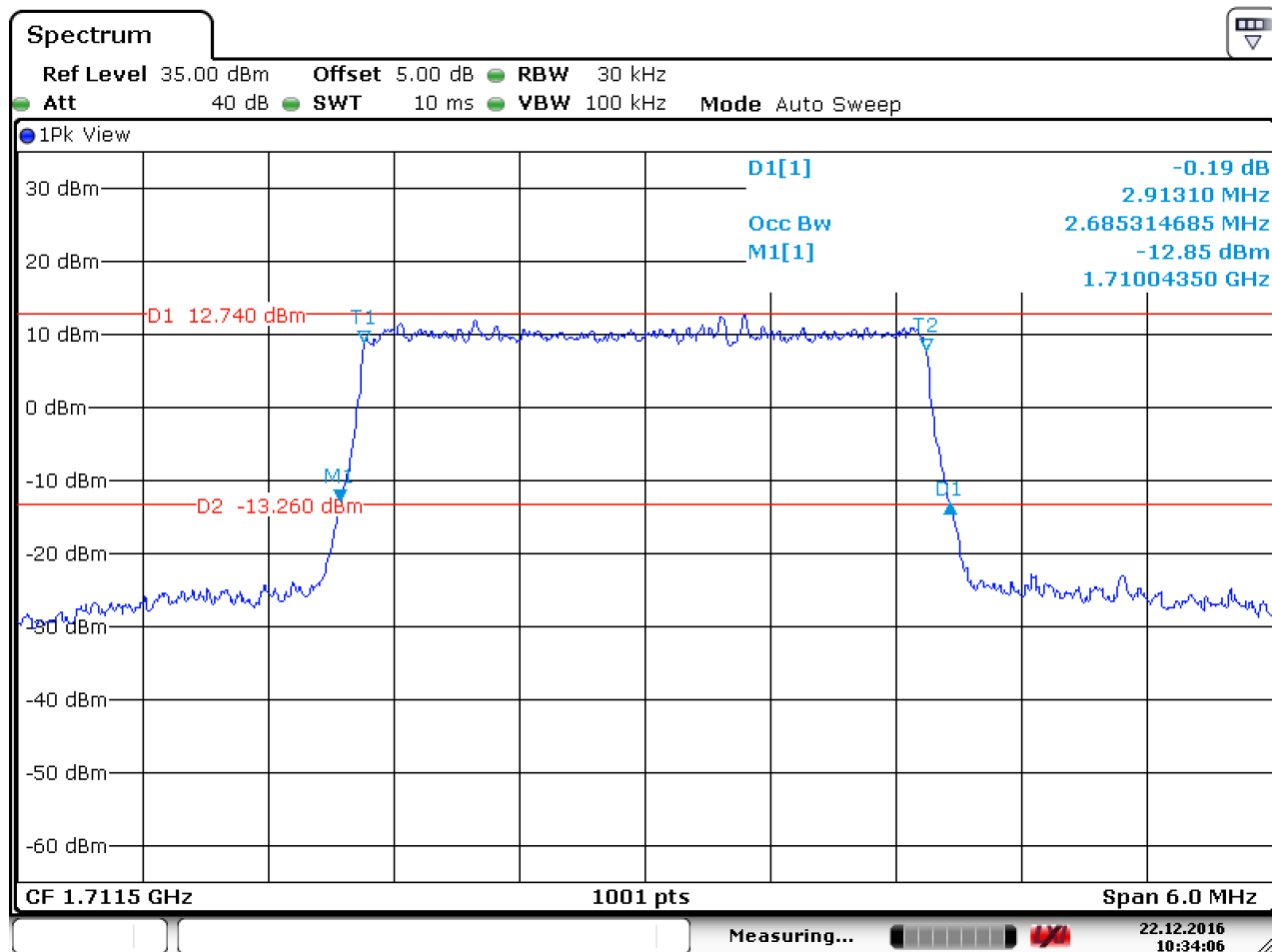


Date: 22.DEC.2016 10:36:31



4.1.1.4 Test Mode = LTE/TM2 3MHz

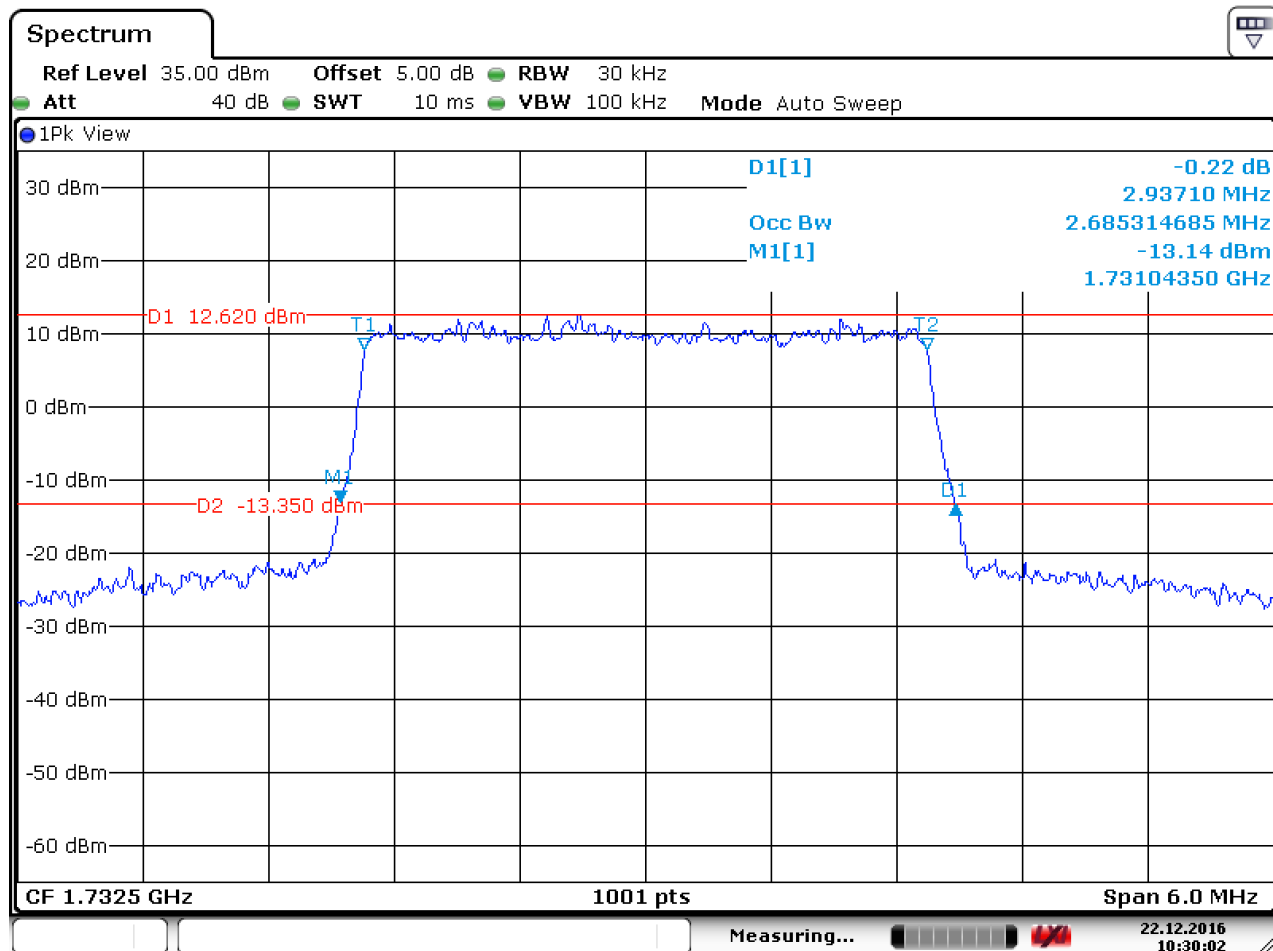
4.1.1.4.1 Test Channel = LCH



Date: 22.DEC.2016 10:34:07



4.1.1.4.2 Test Channel = MCH



Date: 22.DEC.2016 10:30:03

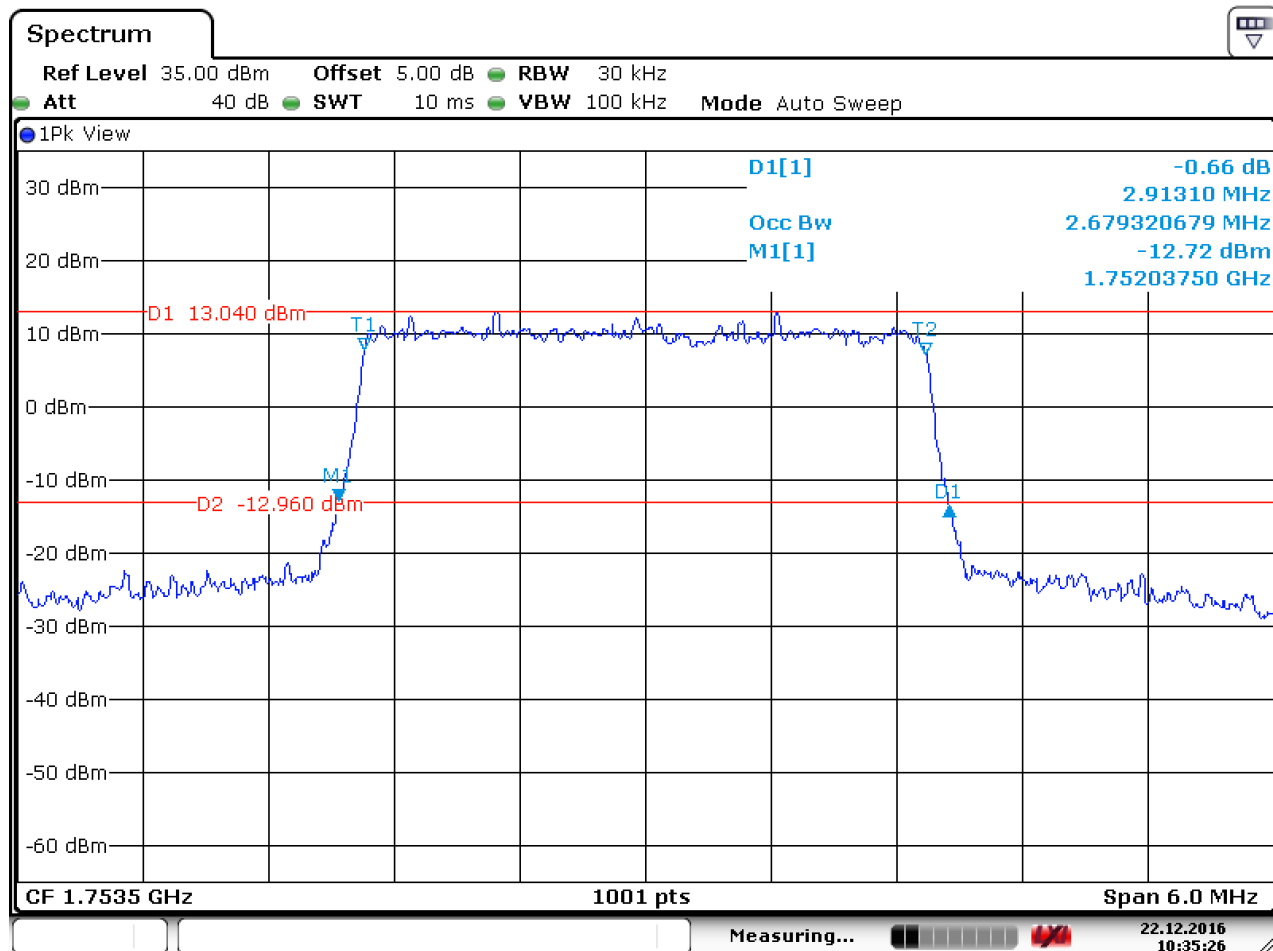


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4.1.1.4.3 Test Channel = HCH



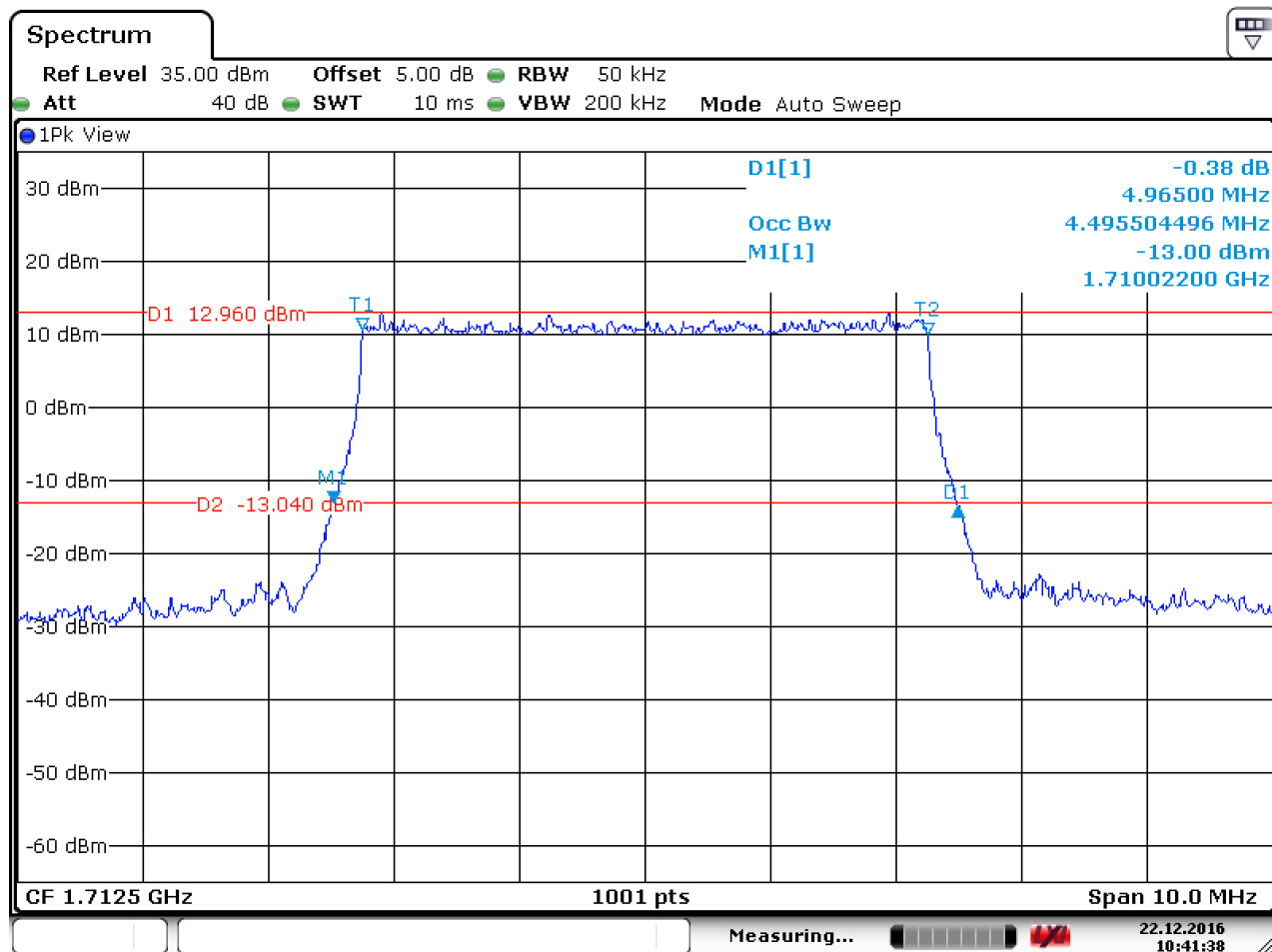
Date: 22.DEC.2016 10:35:26

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4.1.1.5 Test Mode = LTE/TM1 5MHz

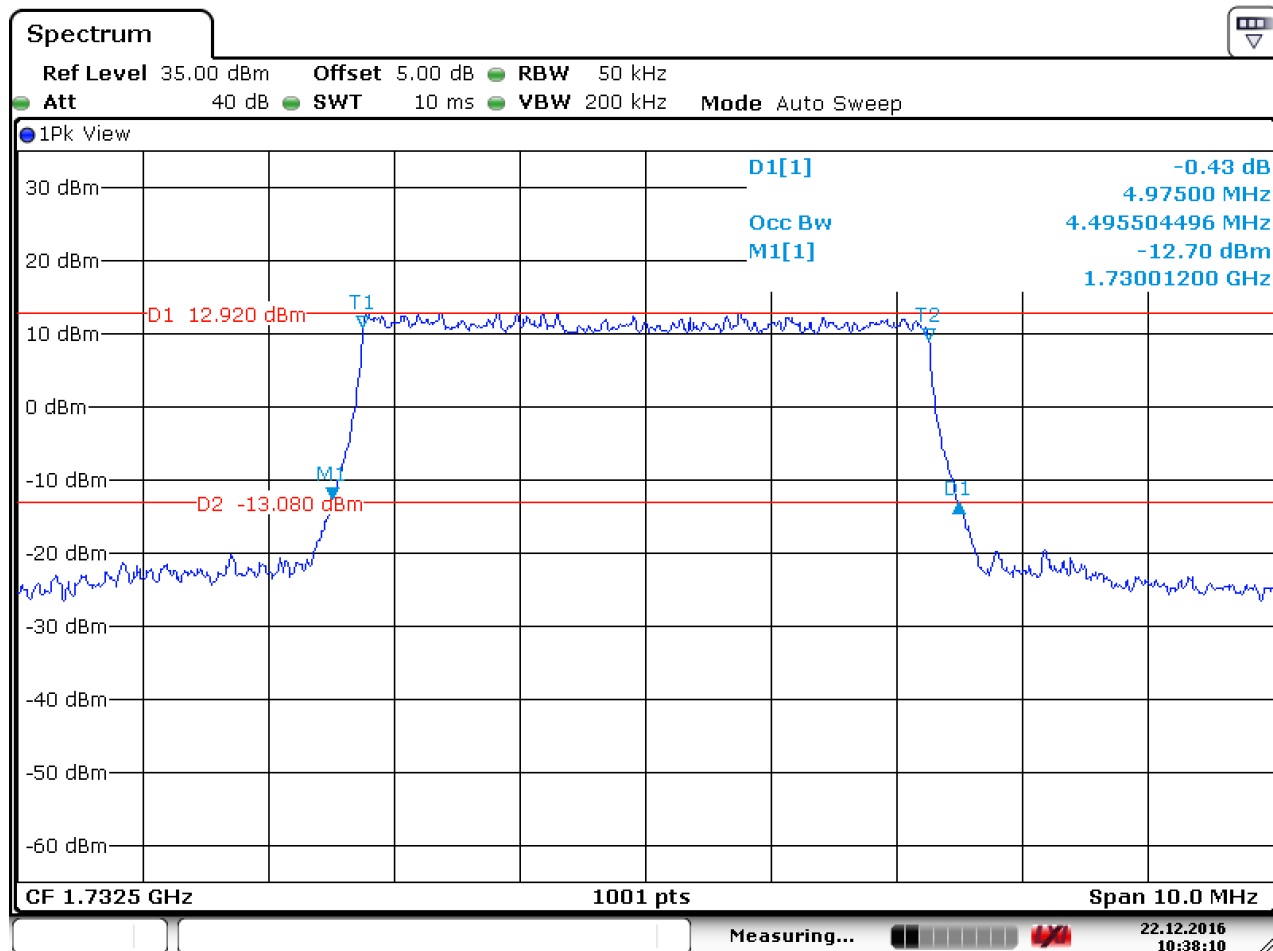
4.1.1.5.1 Test Channel = LCH



Date: 22.DEC.2016 10:41:38



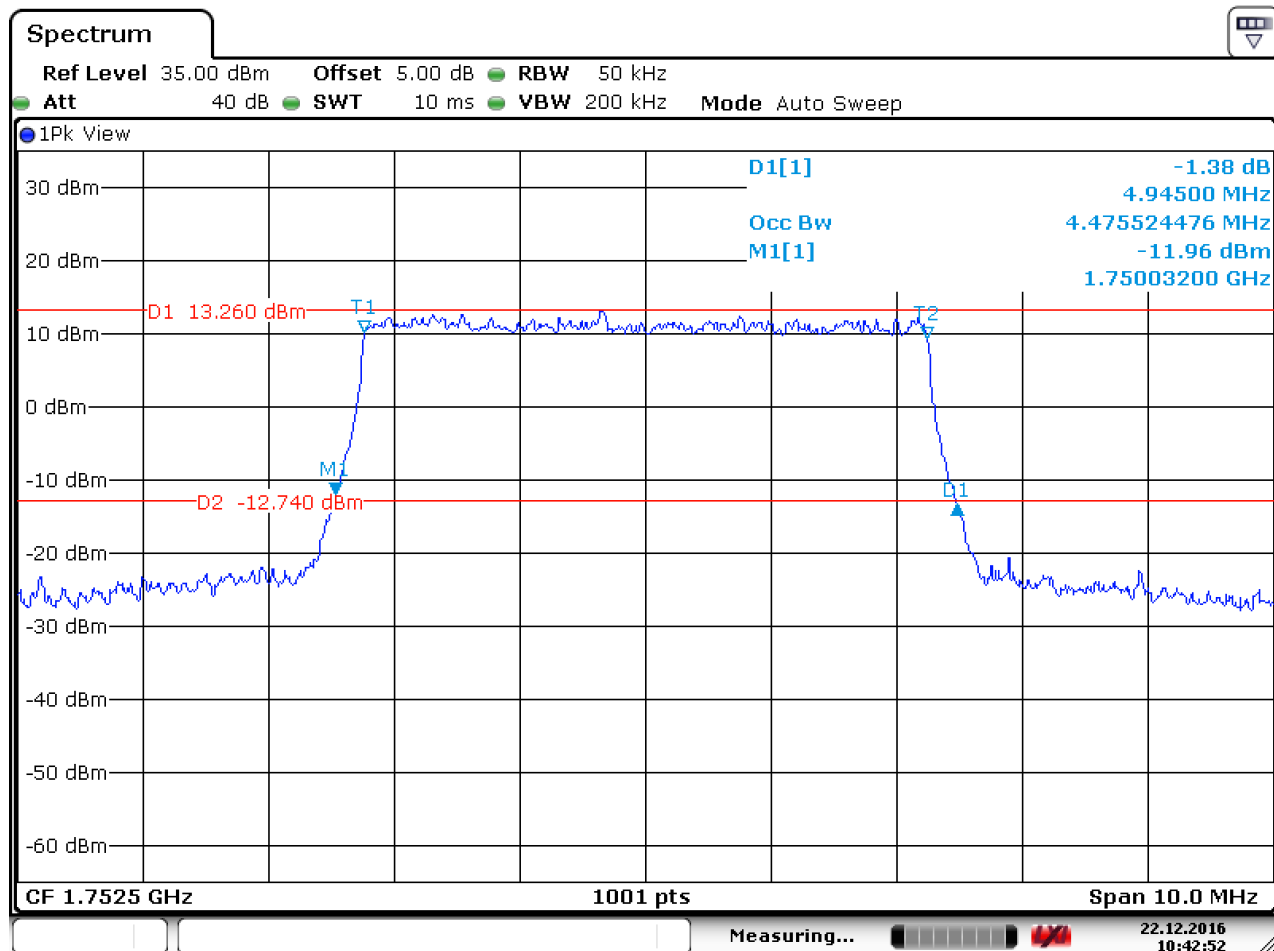
4.1.1.5.2 Test Channel = MCH



Date: 22.DEC.2016 10:38:11



4.1.1.5.3 Test Channel = HCH

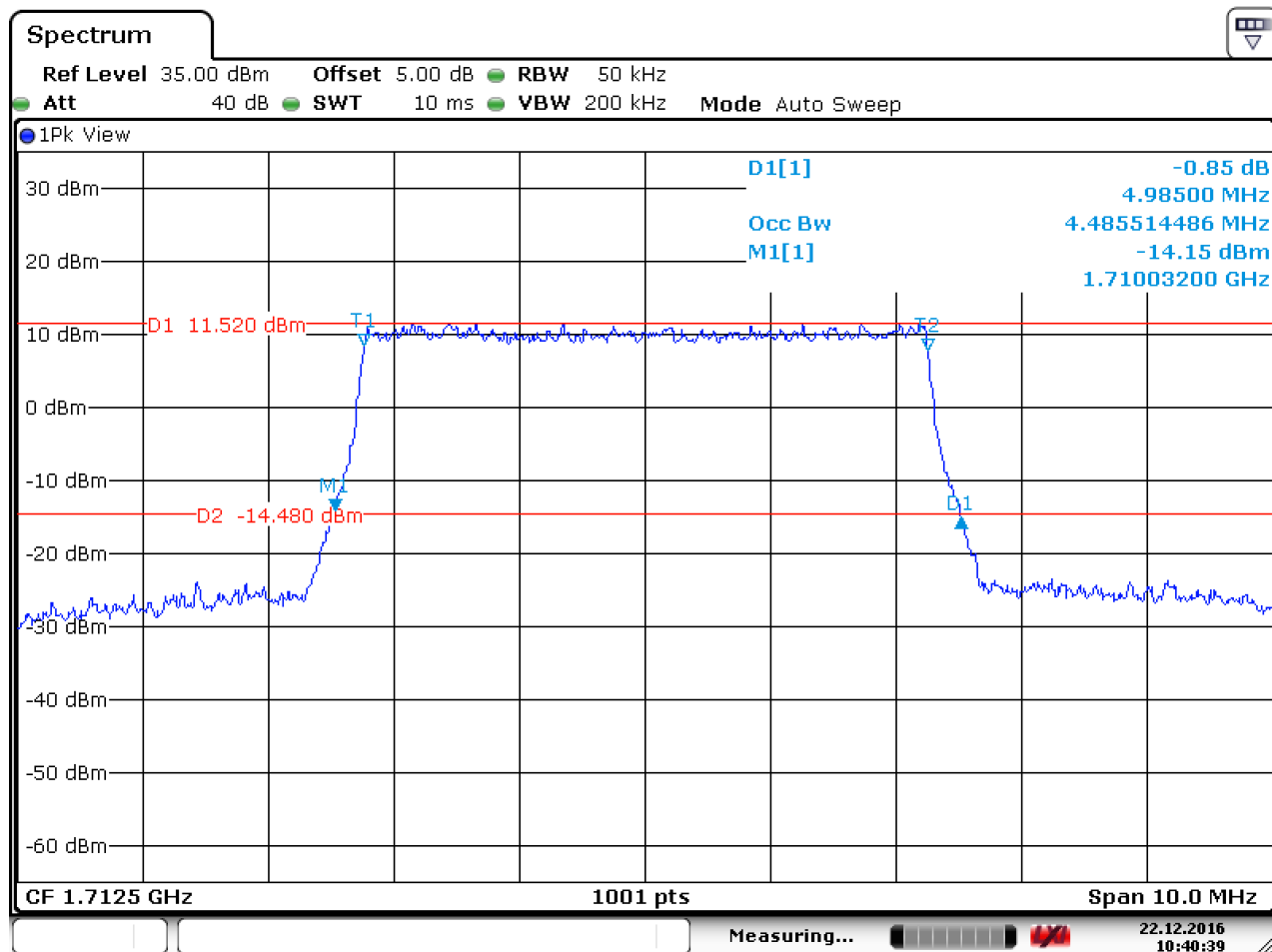


Date: 22.DEC.2016 10:42:52



4.1.1.6 Test Mode = LTE/TM2 5MHz

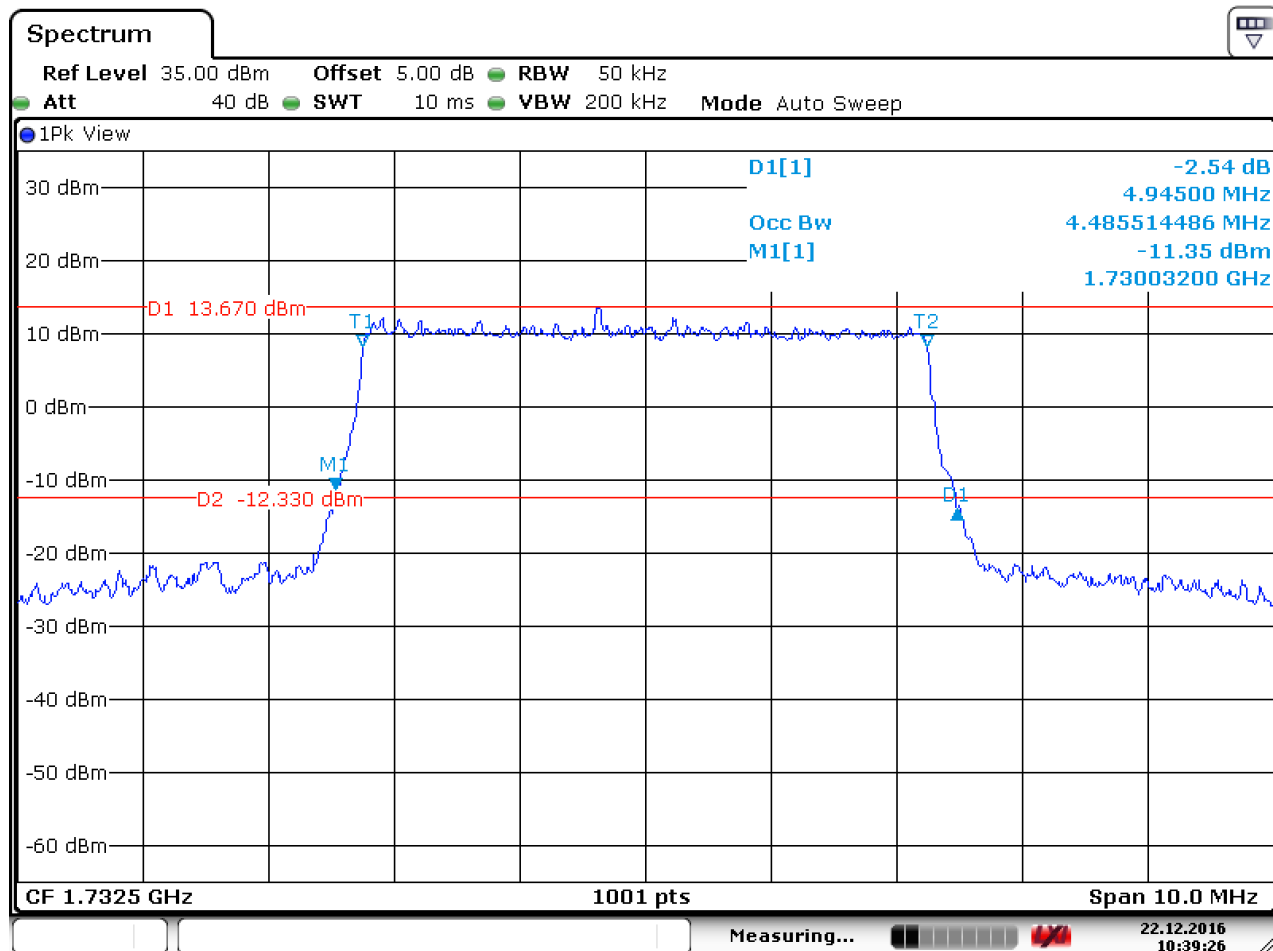
4.1.1.6.1 Test Channel = LCH



Date: 22.DEC.2016 10:40:39



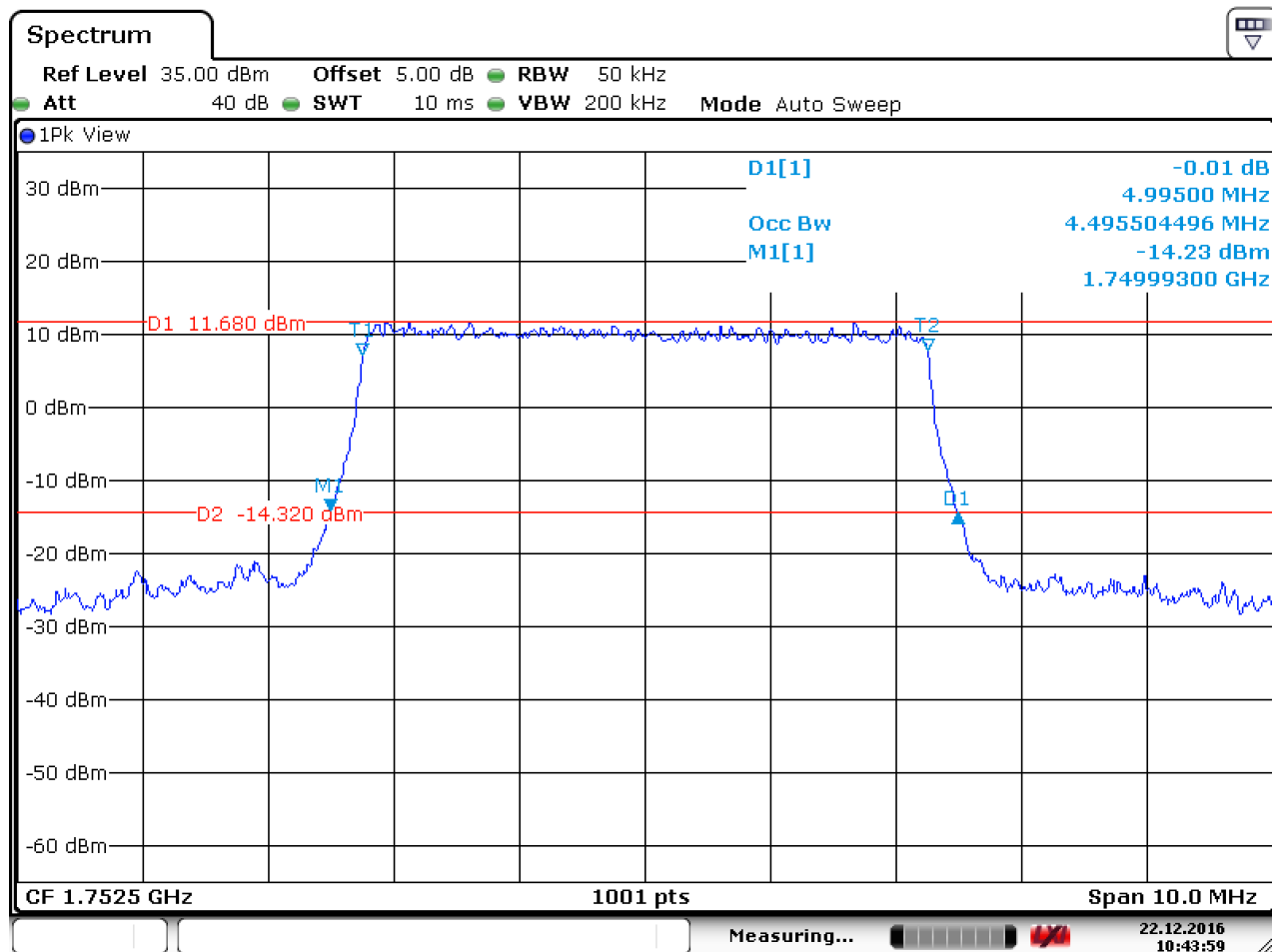
4.1.1.6.2 Test Channel = MCH



Date: 22.DEC.2016 10:39:27



4.1.1.6.3 Test Channel = HCH

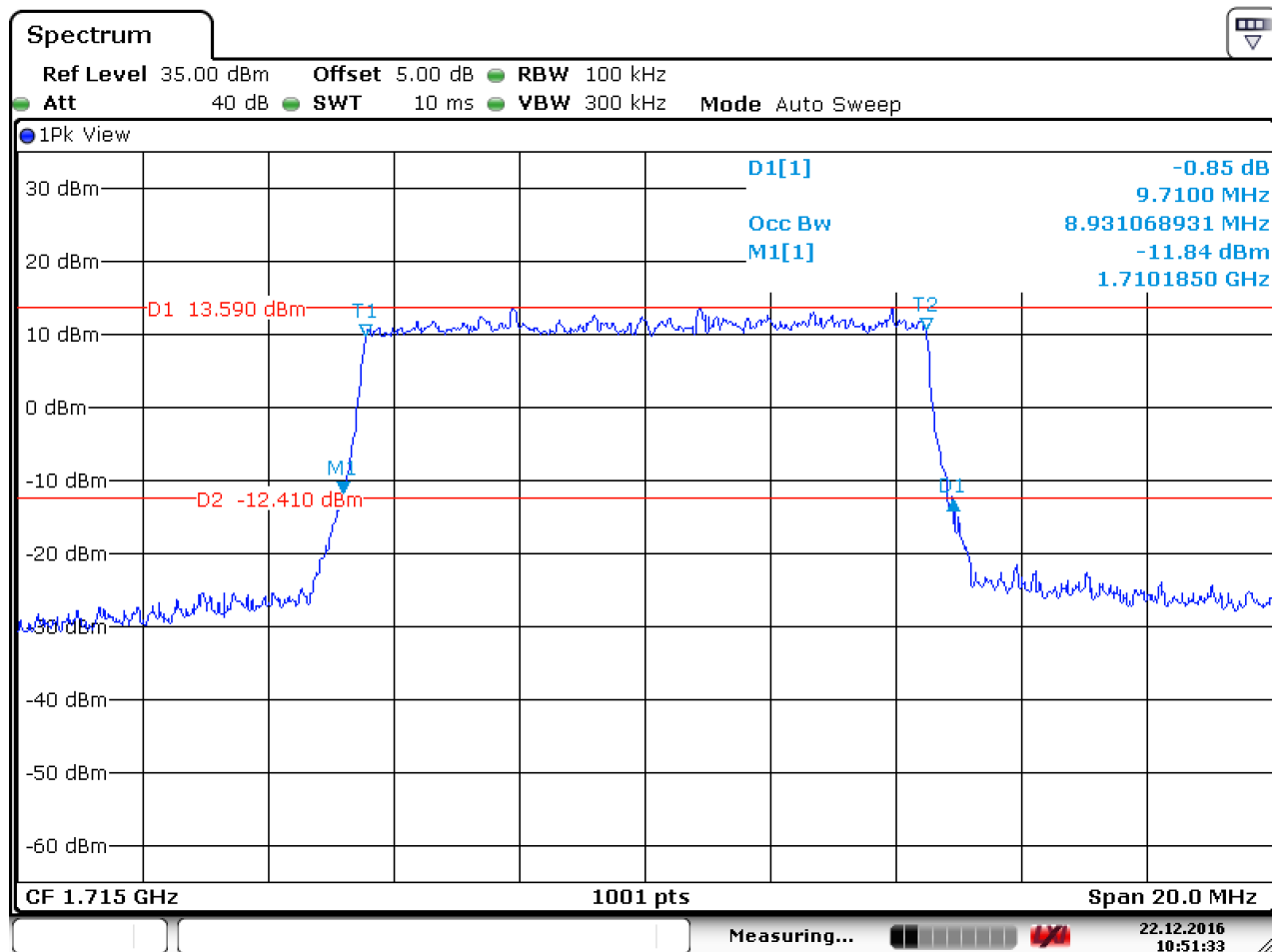


Date: 22.DEC.2016 10:43:59



4.1.1.7 Test Mode = LTE/TM1 10MHz

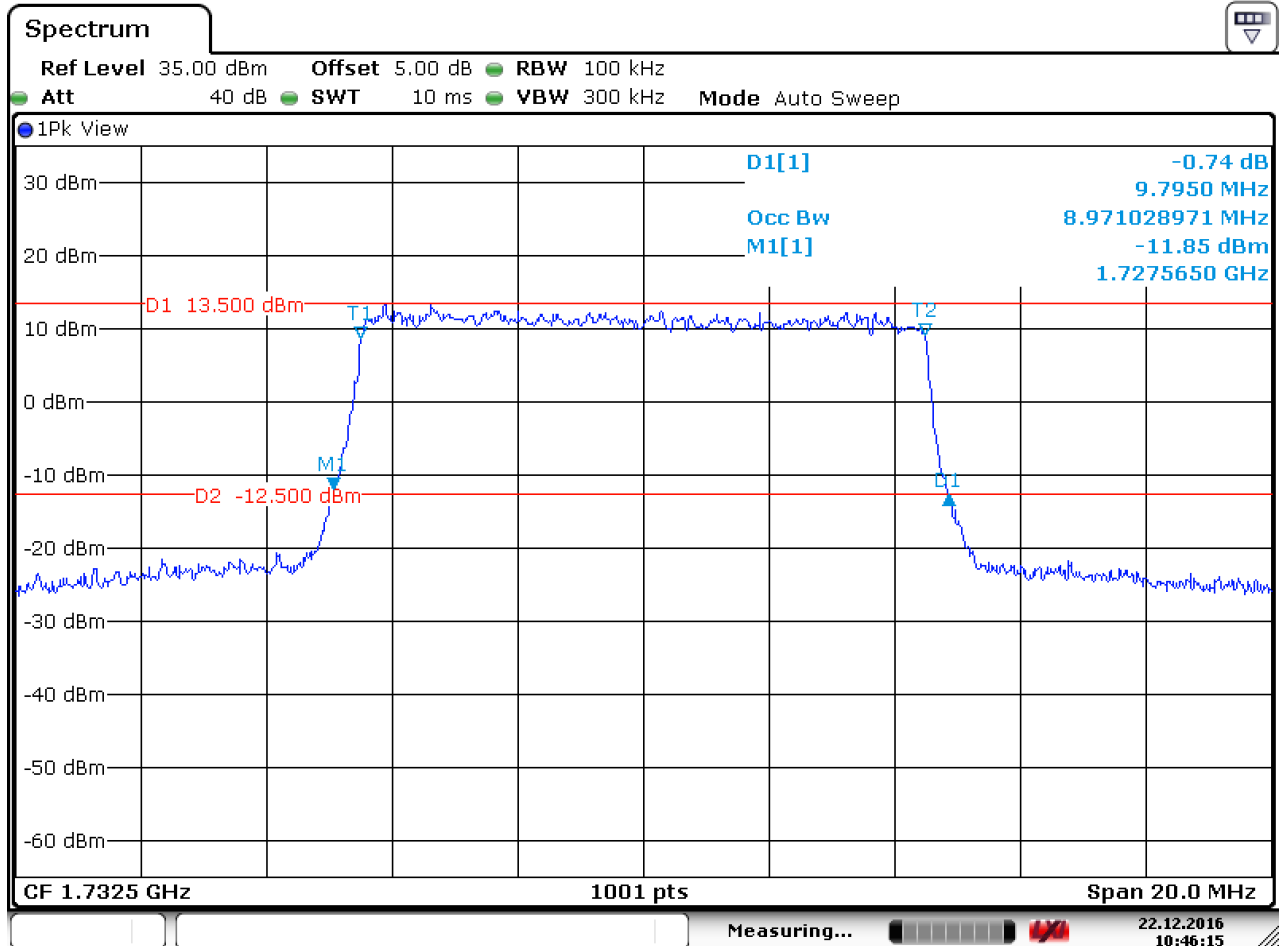
4.1.1.7.1 Test Channel = LCH



Date: 22.DEC.2016 10:51:34



4.1.1.7.2 Test Channel = MCH



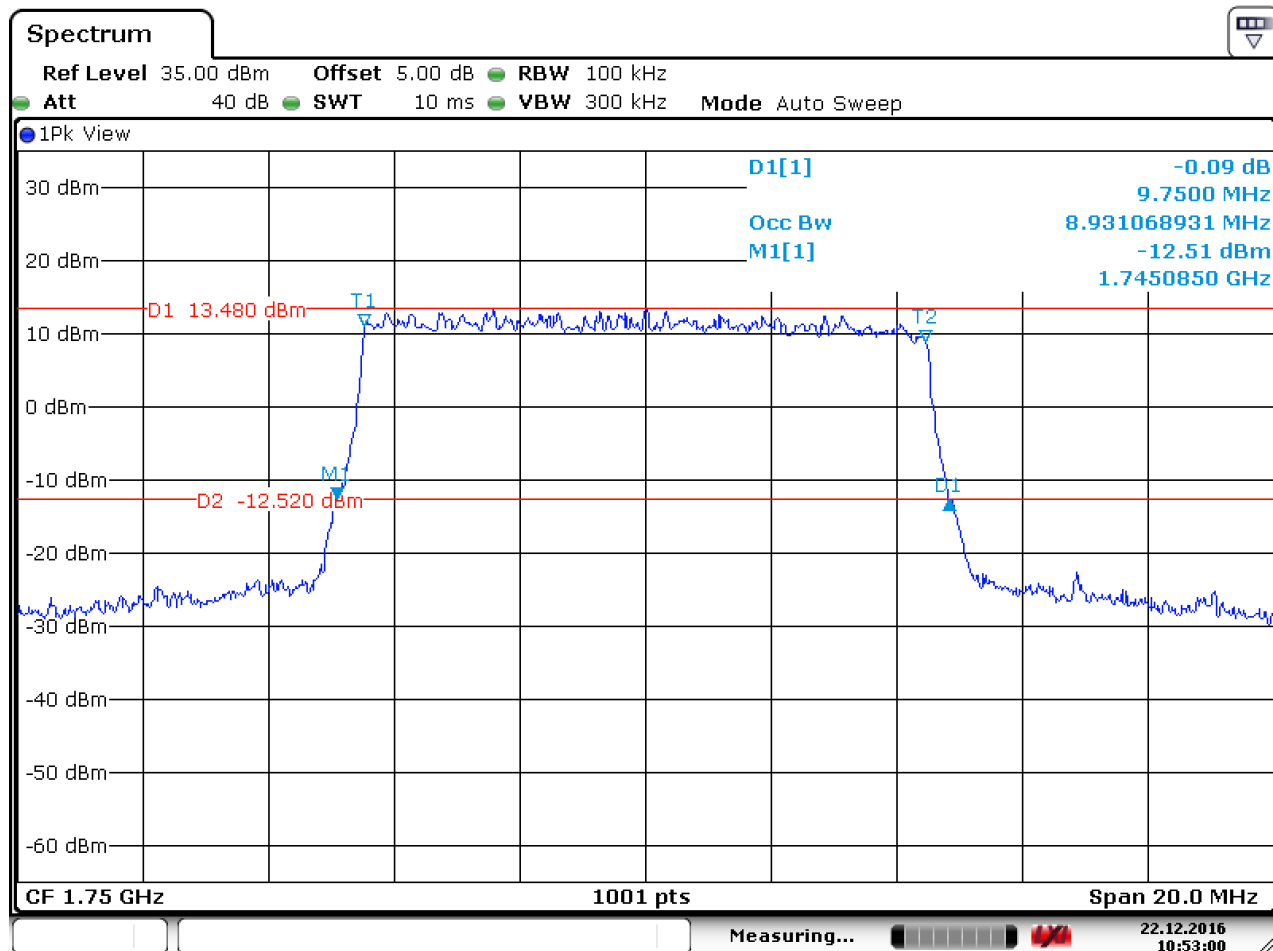
Date: 22.DEC.2016 10:46:15



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4.1.1.7.3 Test Channel = HCH



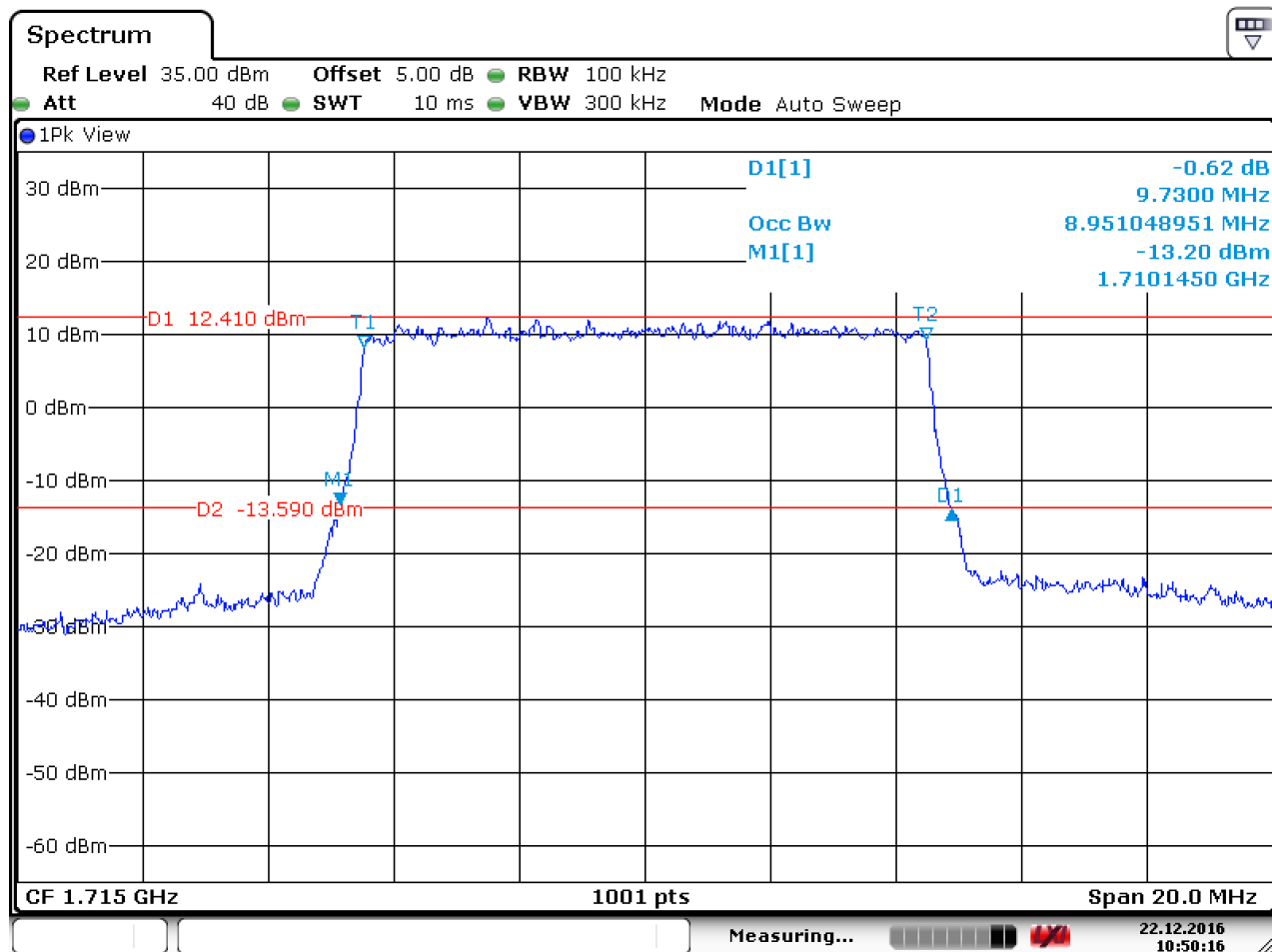
Date: 22.DEC.2016 10:53:01

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4.1.1.8 Test Mode = LTE/TM2 10MHz

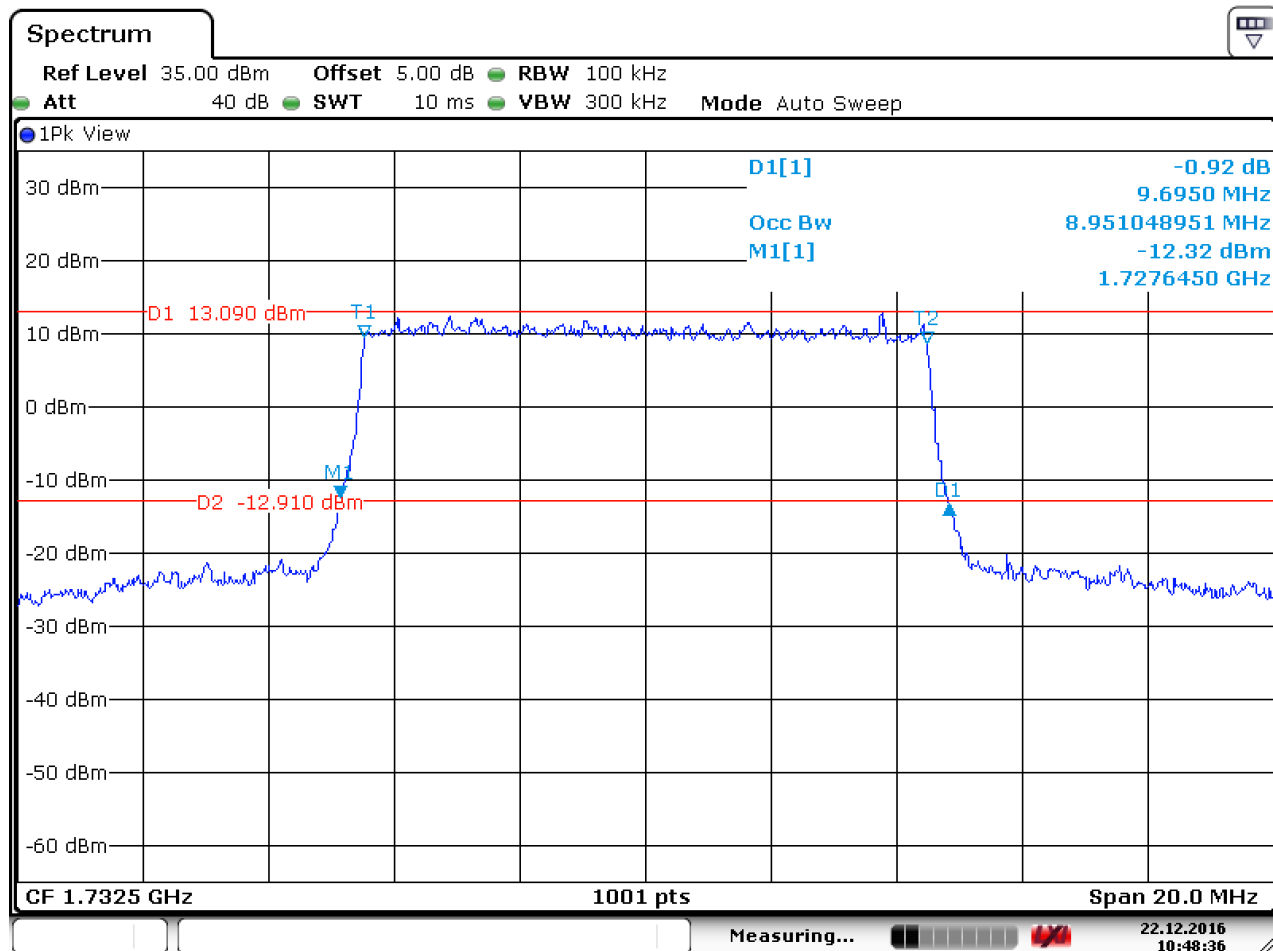
4.1.1.8.1 Test Channel = LCH



Date: 22.DEC.2016 10:50:16



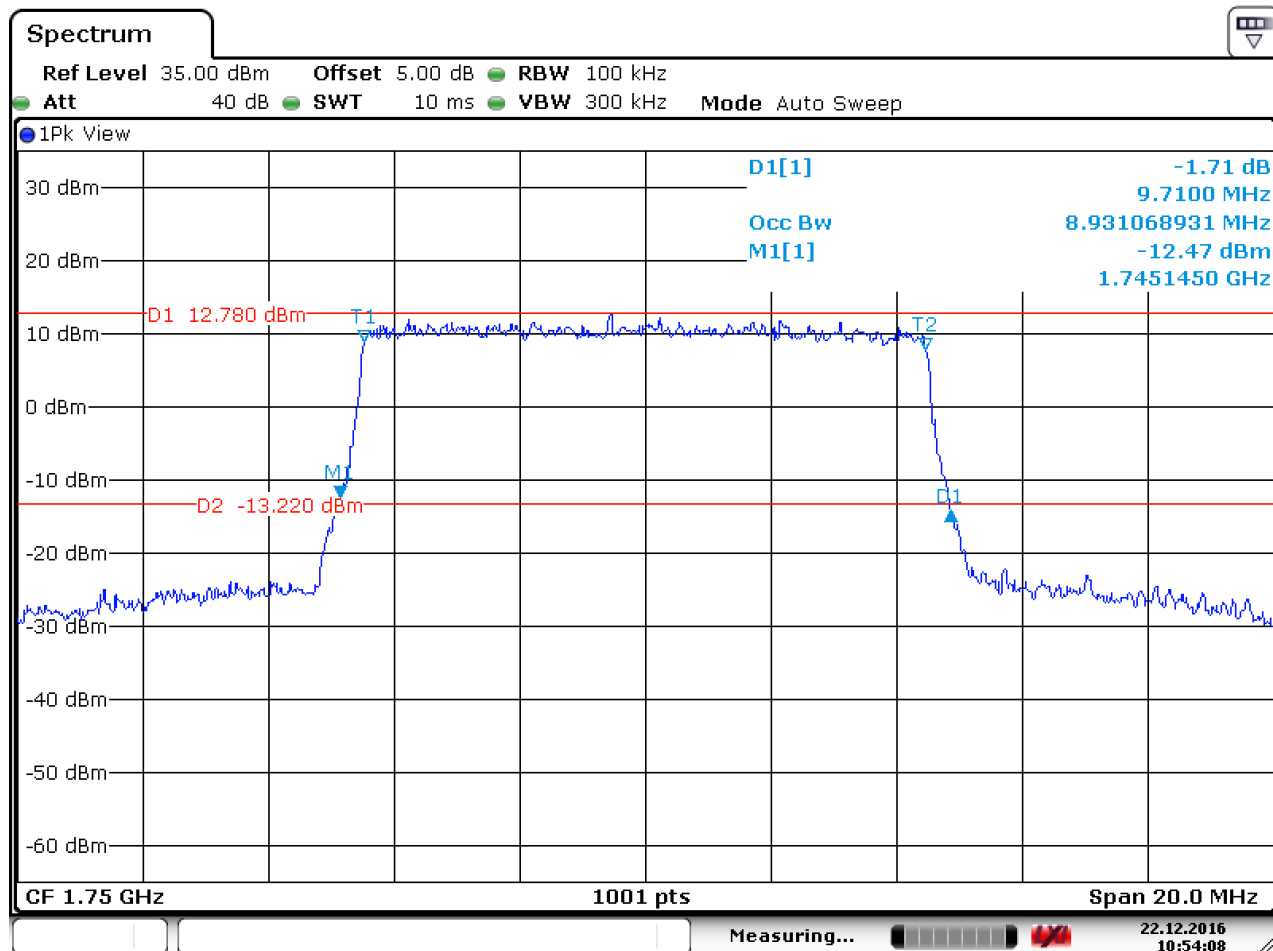
4.1.1.8.2 Test Channel = MCH



Date: 22.DEC.2016 10:48:36



4.1.1.8.3 Test Channel = HCH

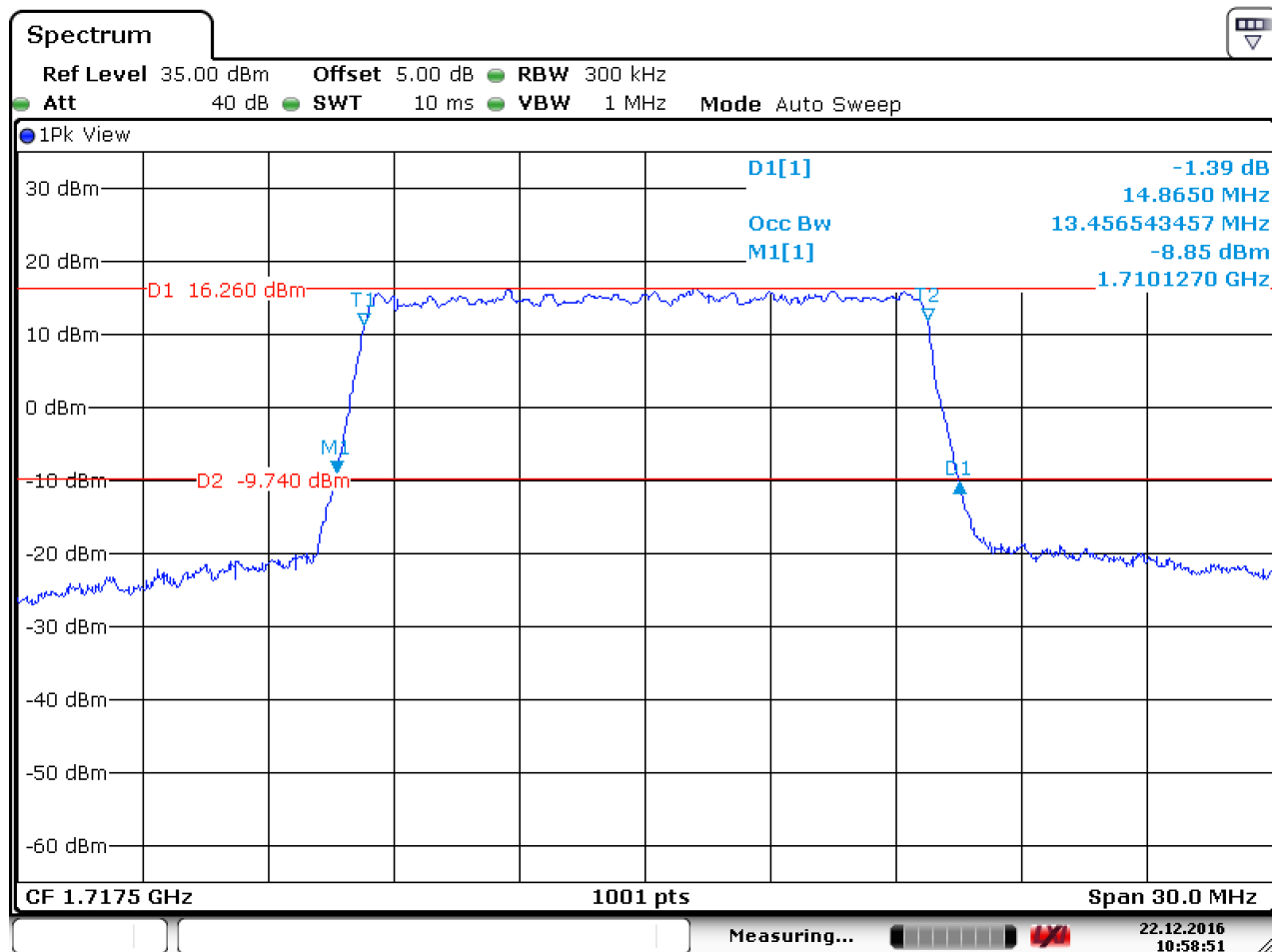


Date: 22.DEC.2016 10:54:09



4.1.1.9 Test Mode = LTE/TM1 15MHz

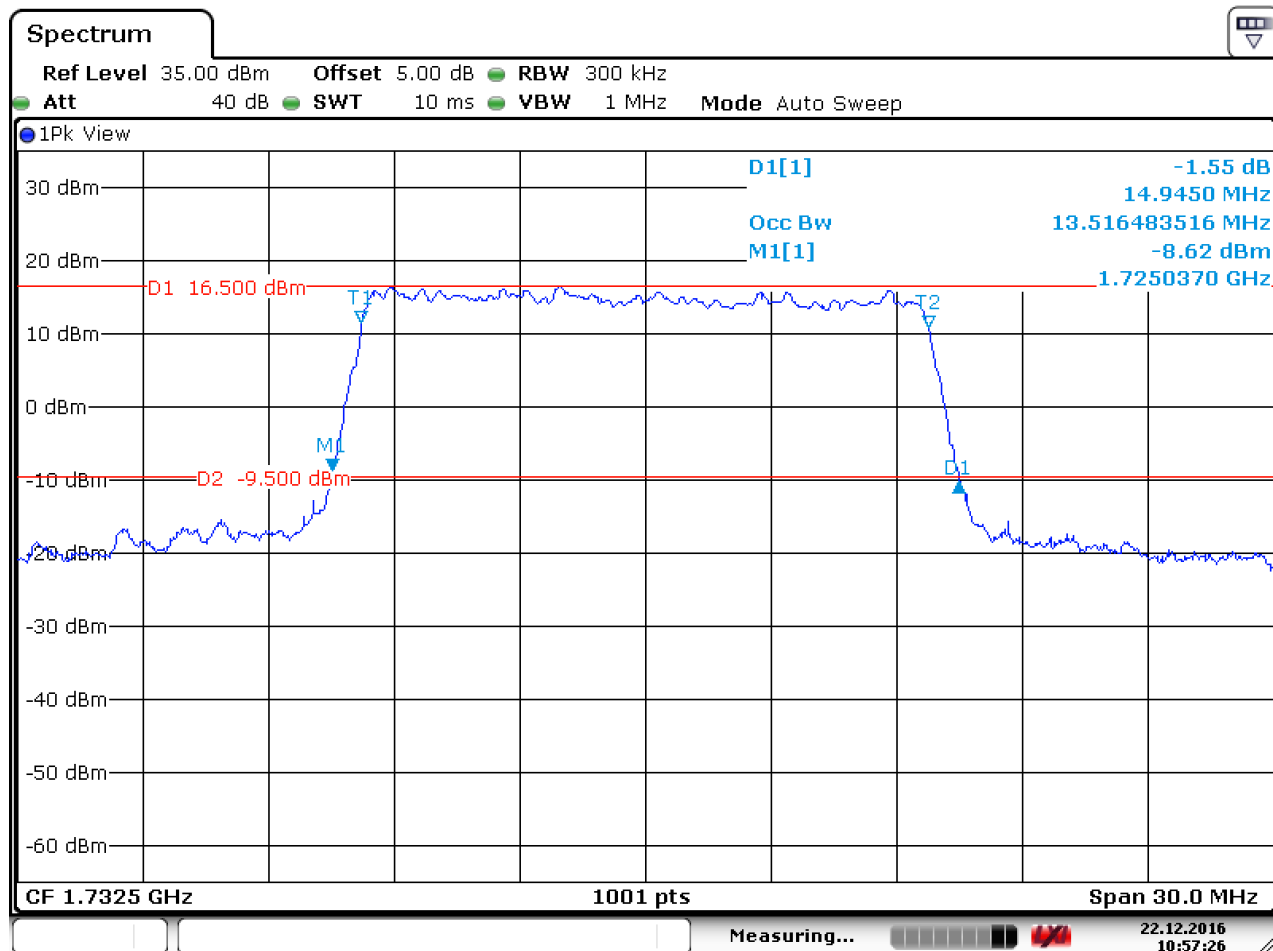
4.1.1.9.1 Test Channel = LCH



Date: 22.DEC.2016 10:58:52



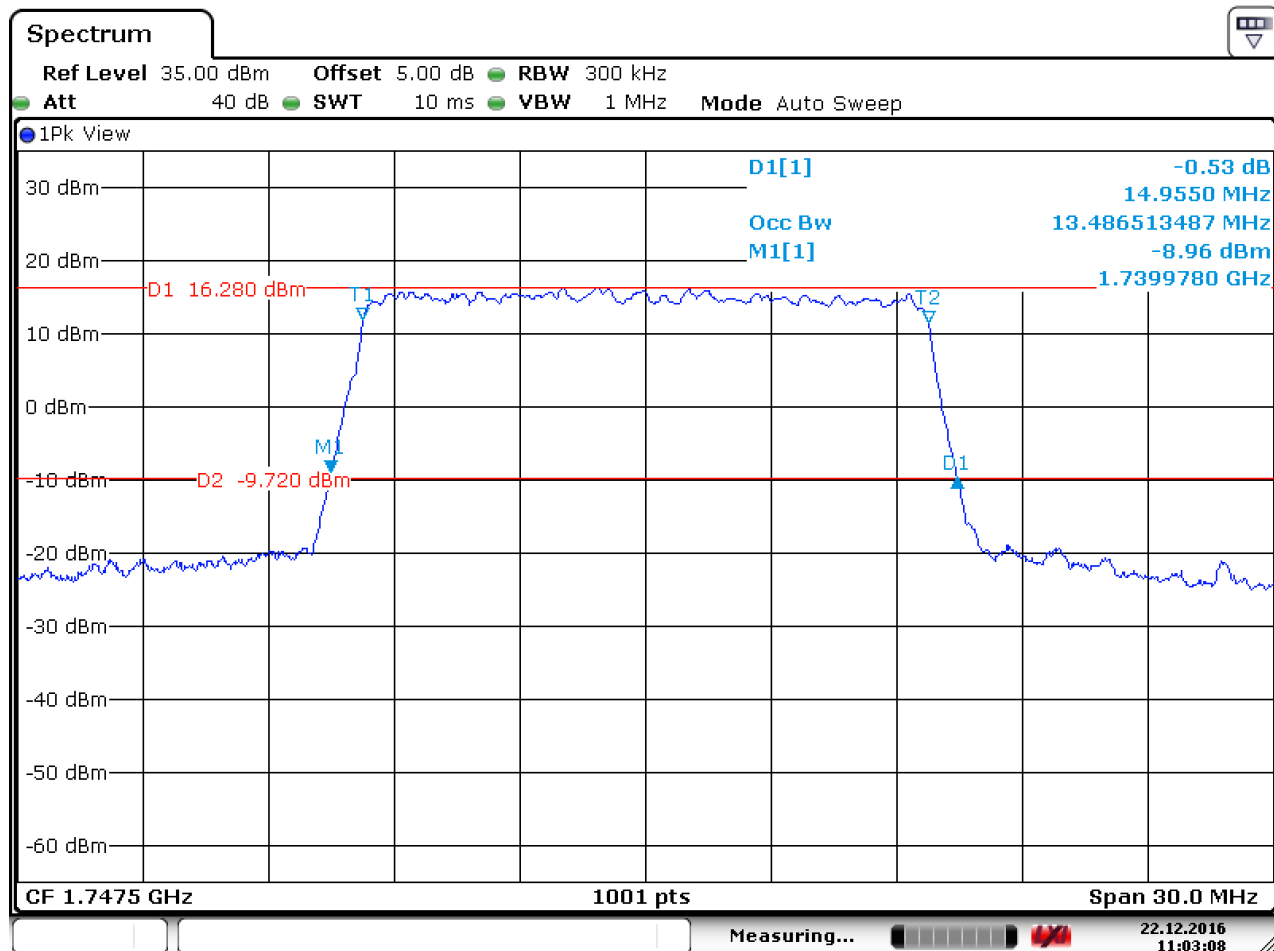
4.1.1.9.2 Test Channel = MCH



Date: 22.DEC.2016 10:57:27



4.1.1.9.3 Test Channel = HCH

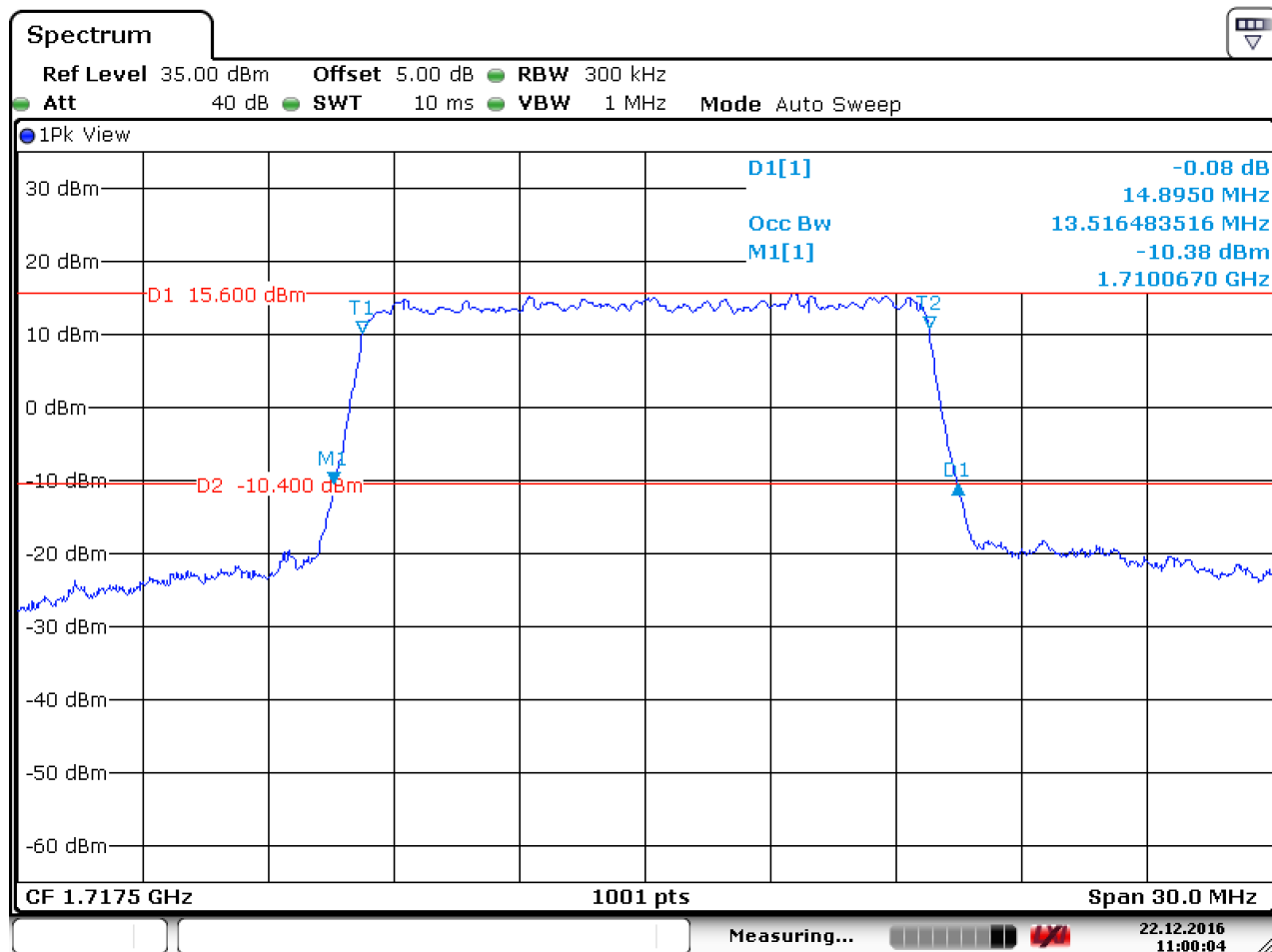


Date: 22.DEC.2016 11:03:08



4.1.1.10 Test Mode = LTE/TM2 15MHz

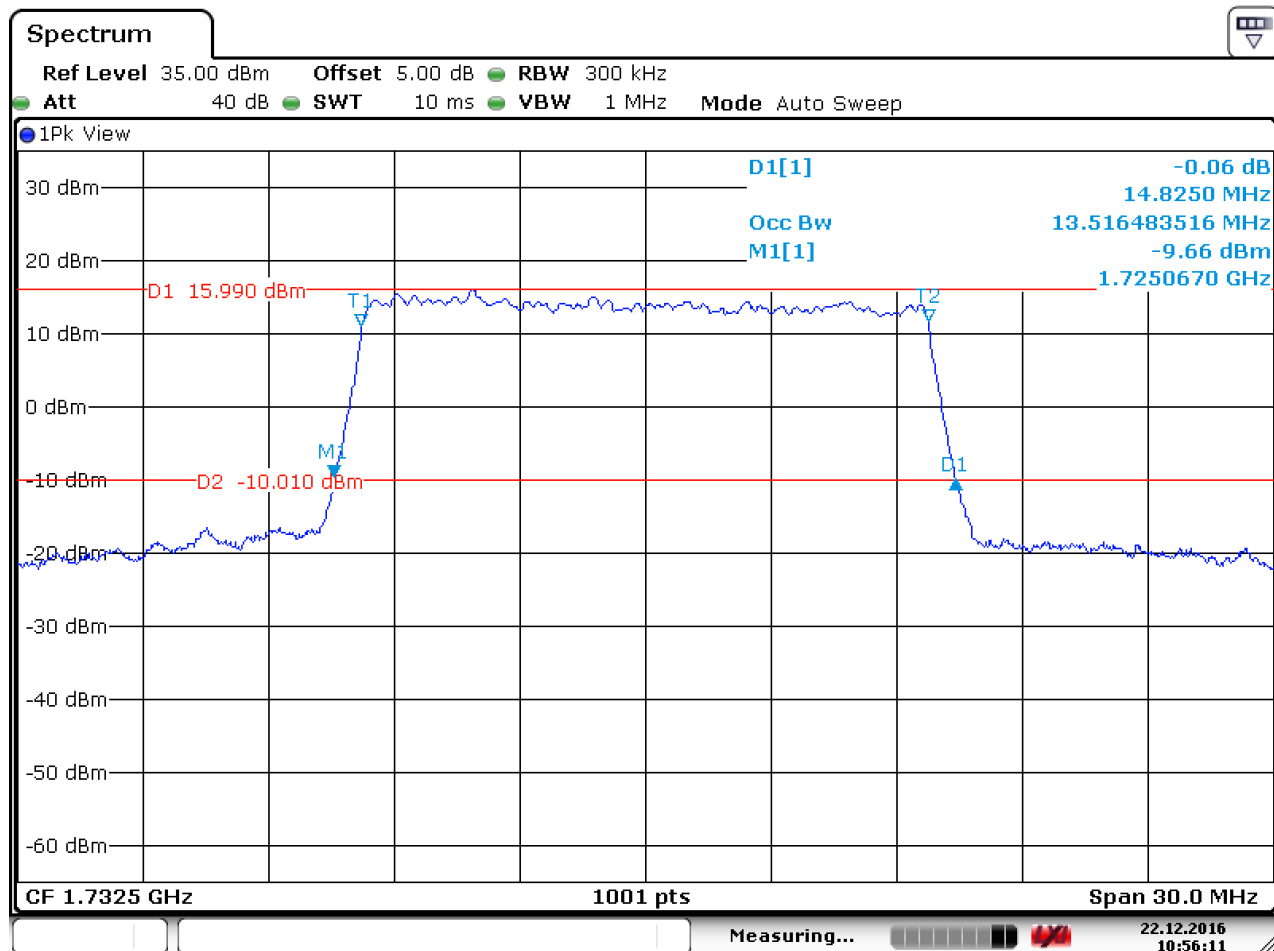
4.1.1.10.1 Test Channel = LCH



Date: 22.DEC.2016 11:00:05



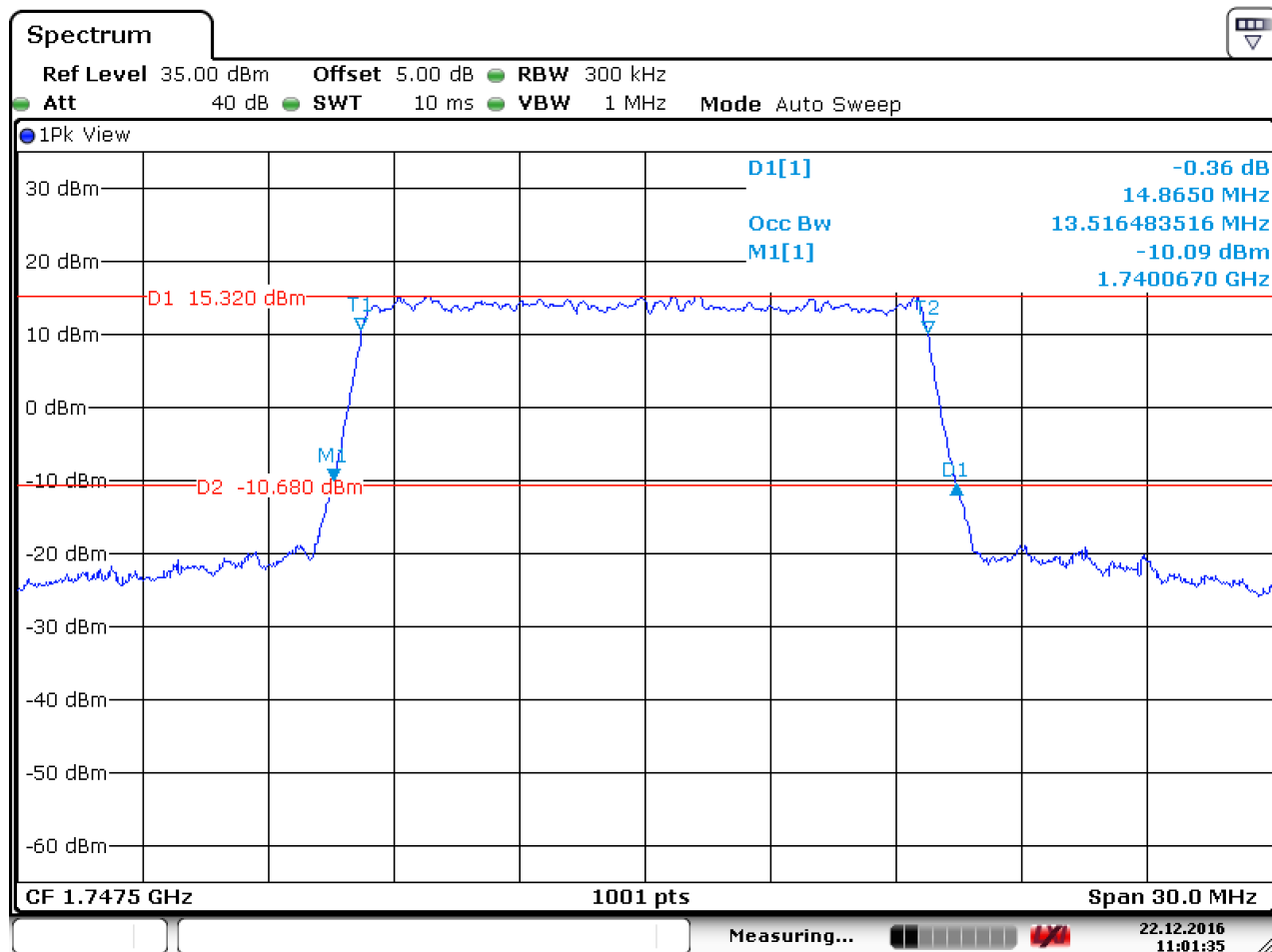
4.1.1.10.2 Test Channel = MCH



Date: 22.DEC.2016 10:56:11



4.1.1.10.3 Test Channel = HCH

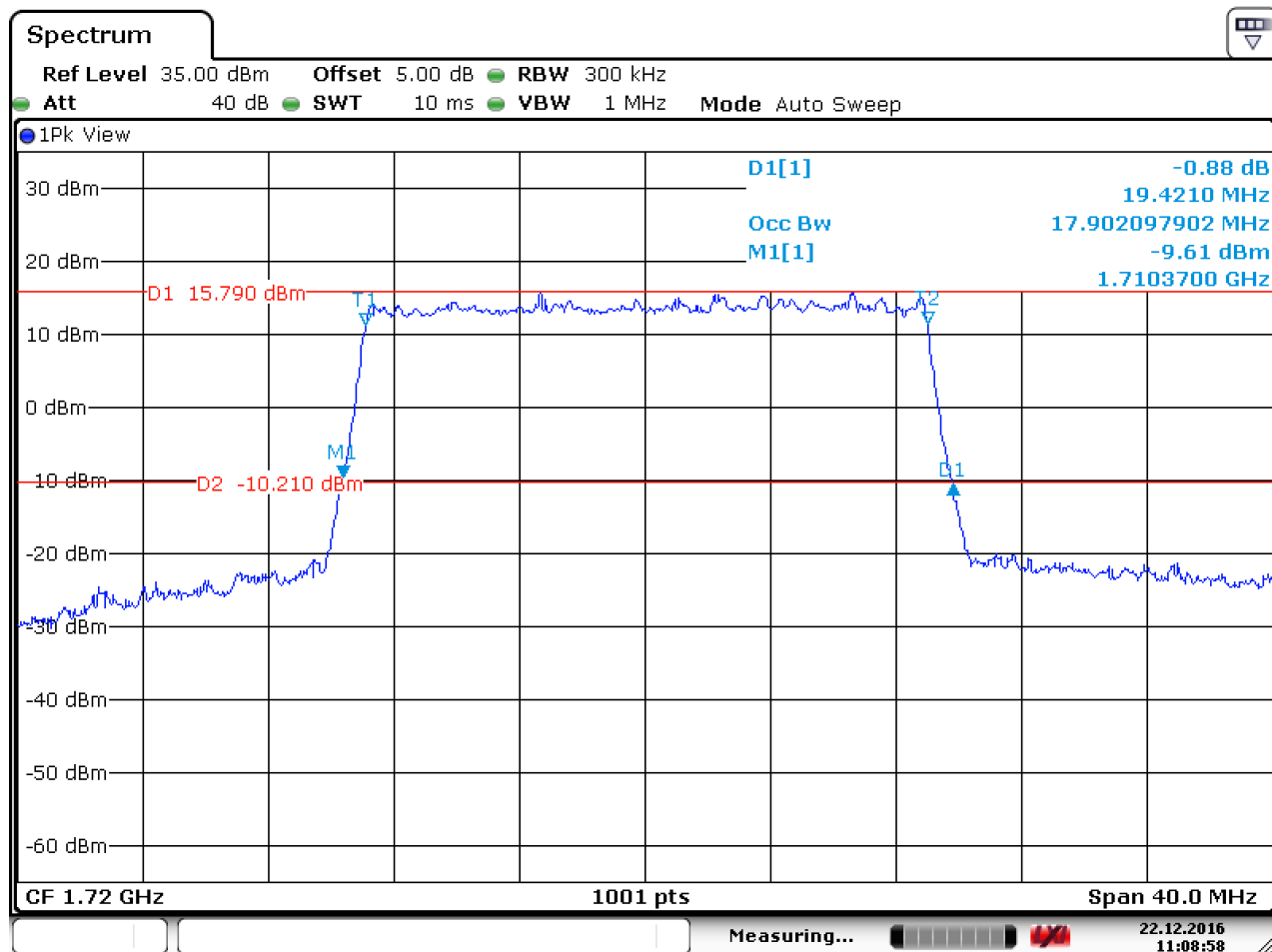


Date: 22.DEC.2016 11:01:35



4.1.1.11 Test Mode = LTE/TM1 20MHz

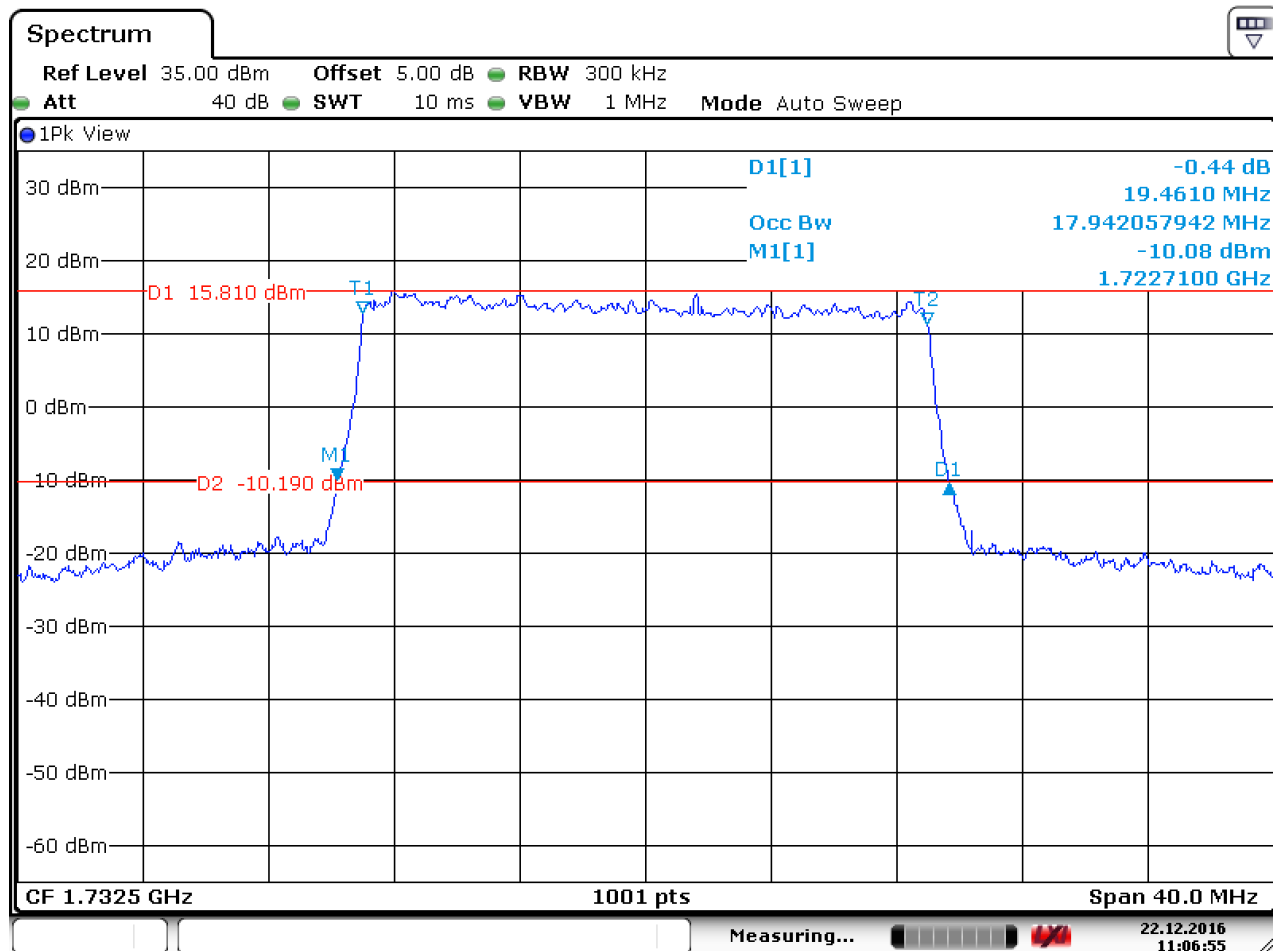
4.1.1.11.1 Test Channel = LCH



Date: 22.DEC.2016 11:08:59



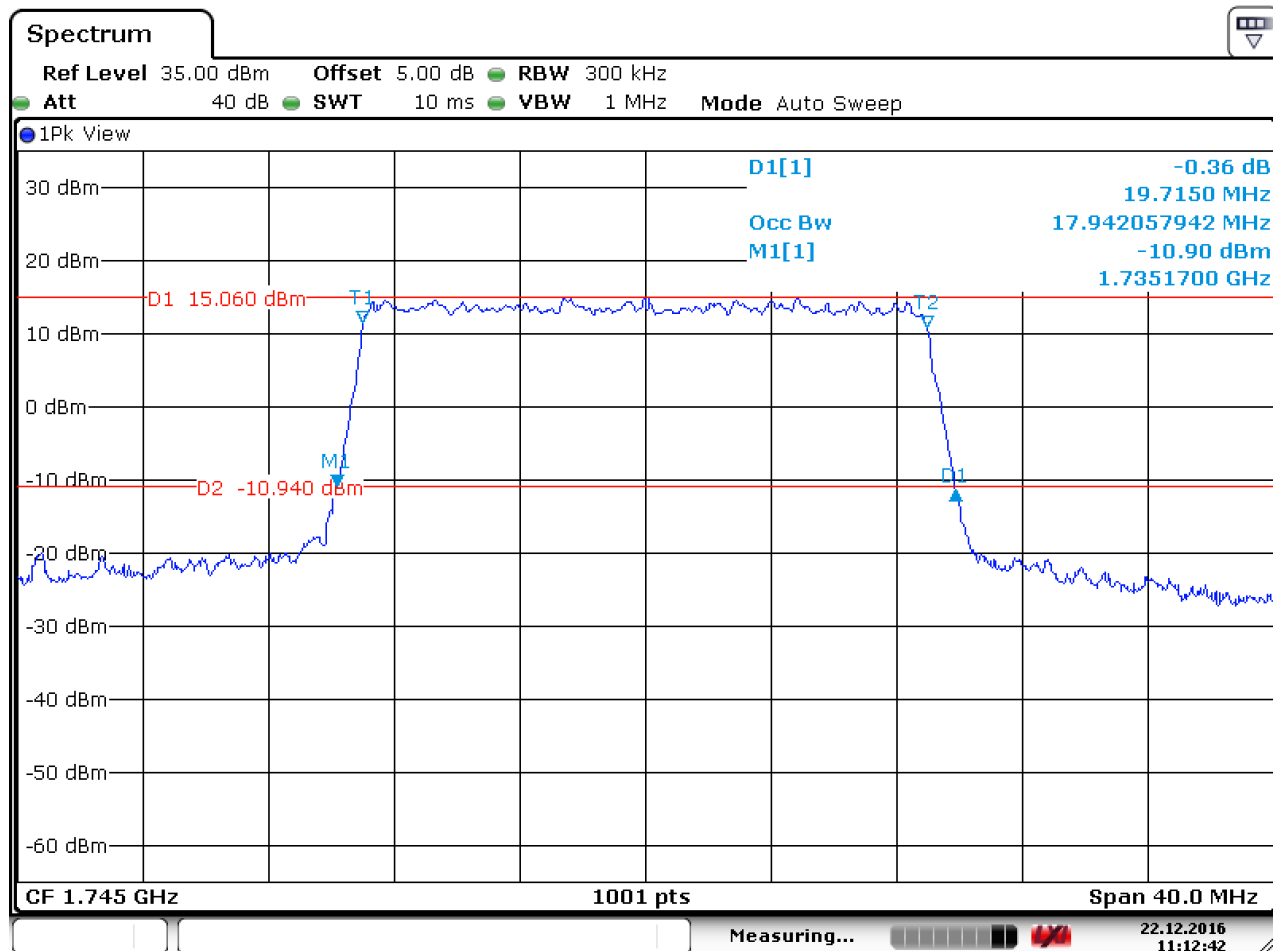
4.1.1.11.2 Test Channel = MCH



Date: 22.DEC.2016 11:06:56



4.1.1.11.3 Test Channel = HCH

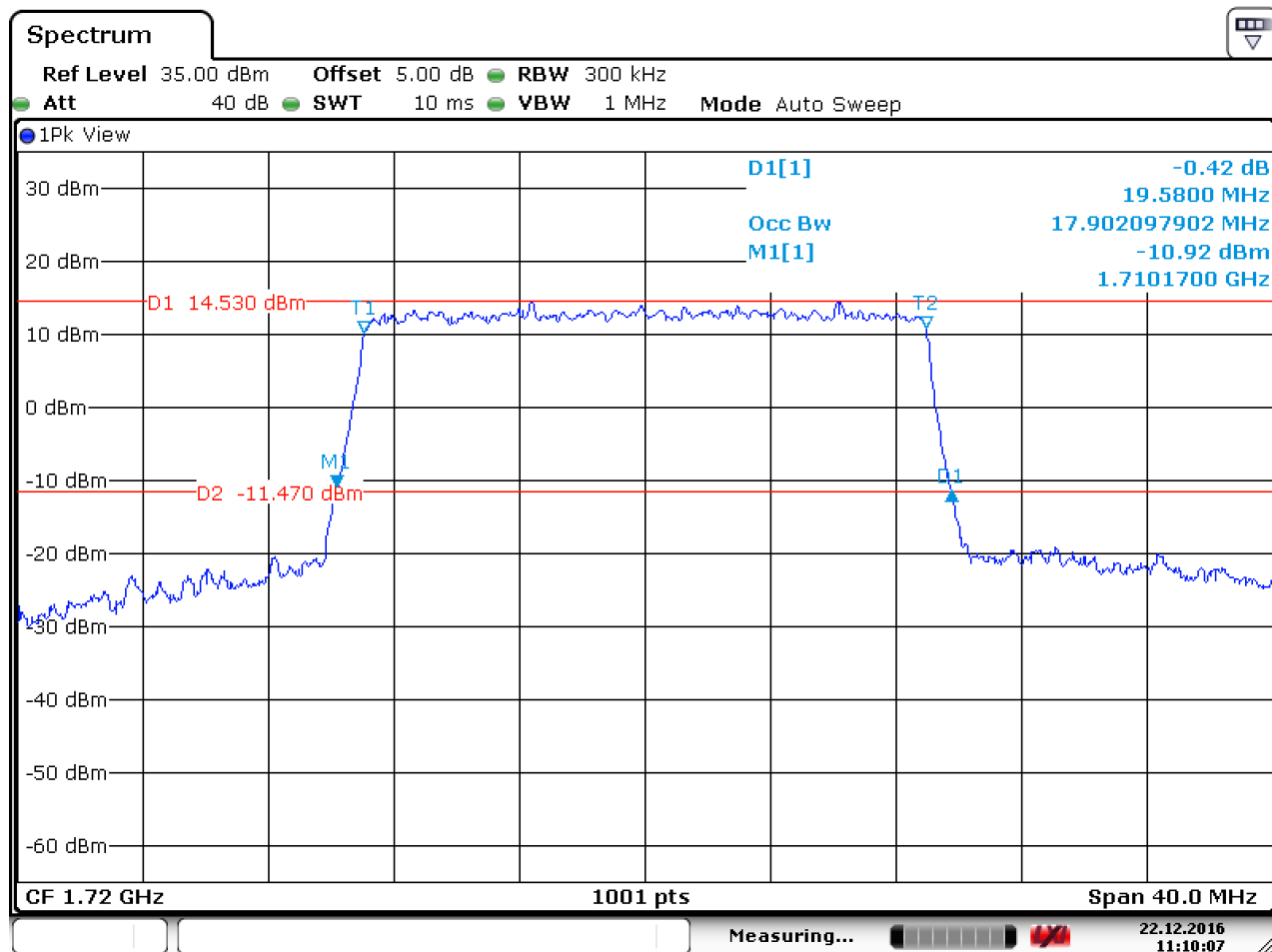


Date: 22.DEC.2016 11:12:42



4.1.1.12 Test Mode = LTE/TM2 20MHz

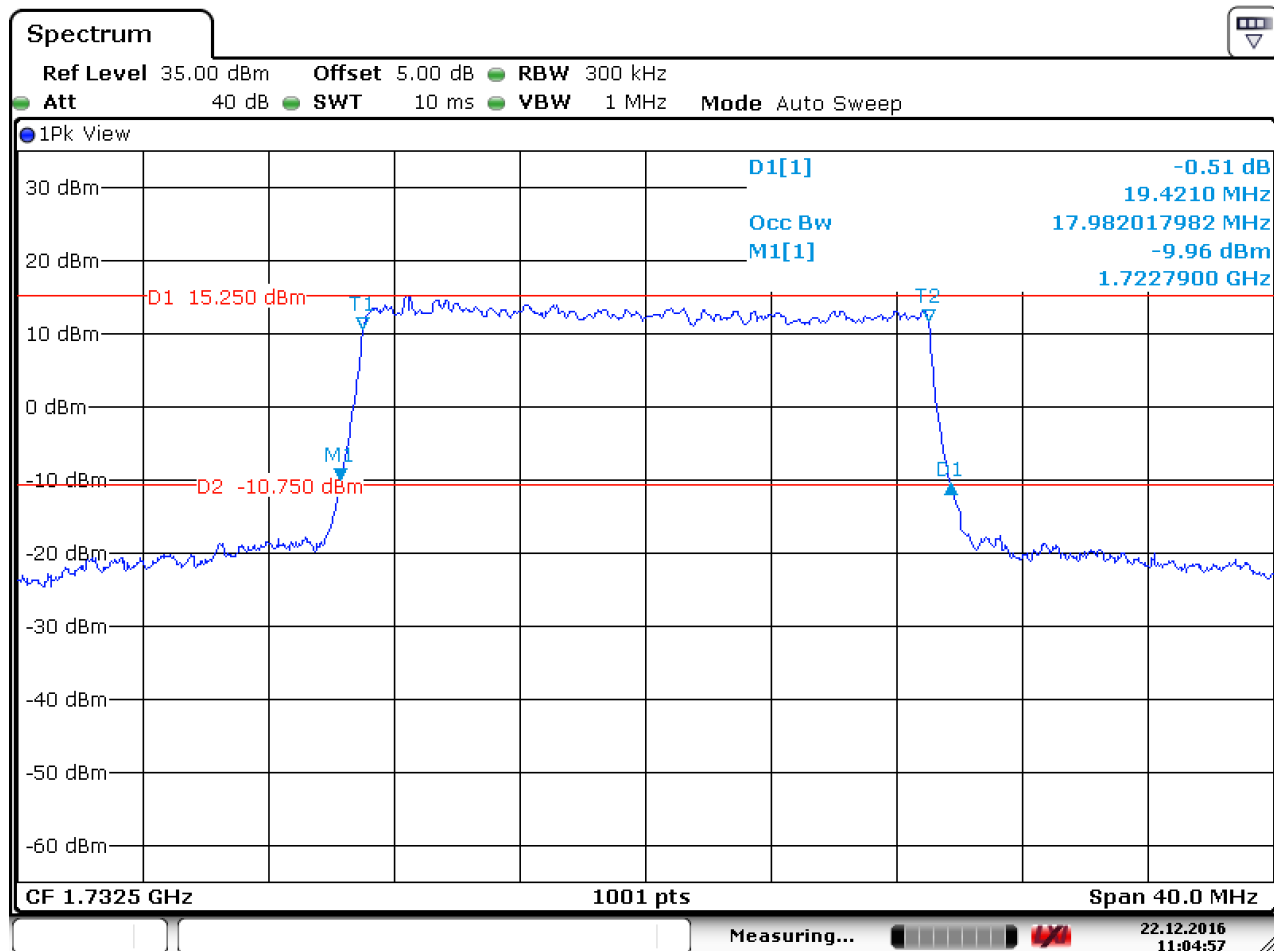
4.1.1.12.1 Test Channel = LCH



Date: 22.DEC.2016 11:10:07



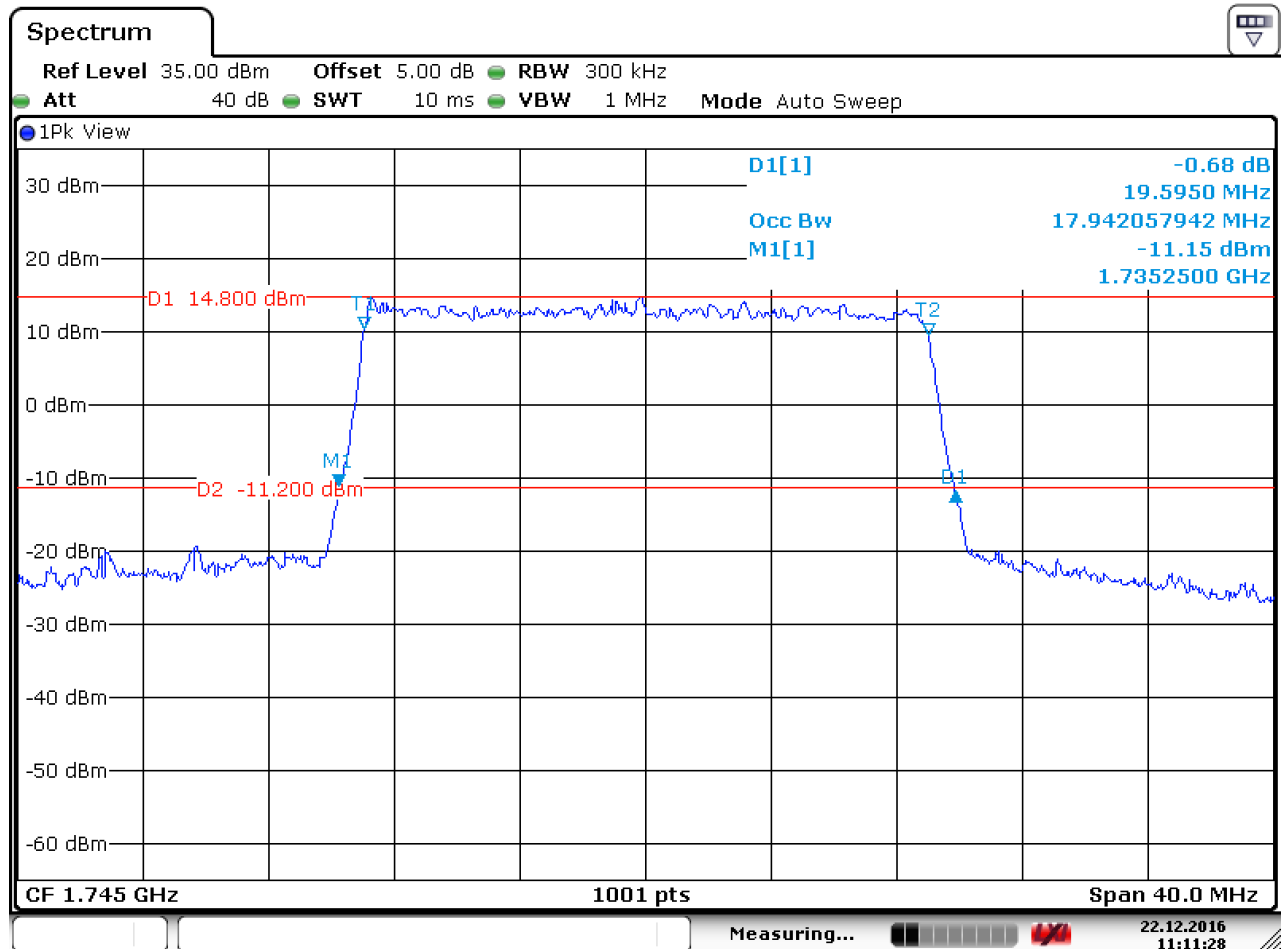
4.1.1.12.2 Test Channel = MCH



Date: 22.DEC.2016 11:04:58



4.1.1.12.3 Test Channel = HCH



Date: 22.DEC.2016 11:11:28



5 Band Edges Compliance

Part I –

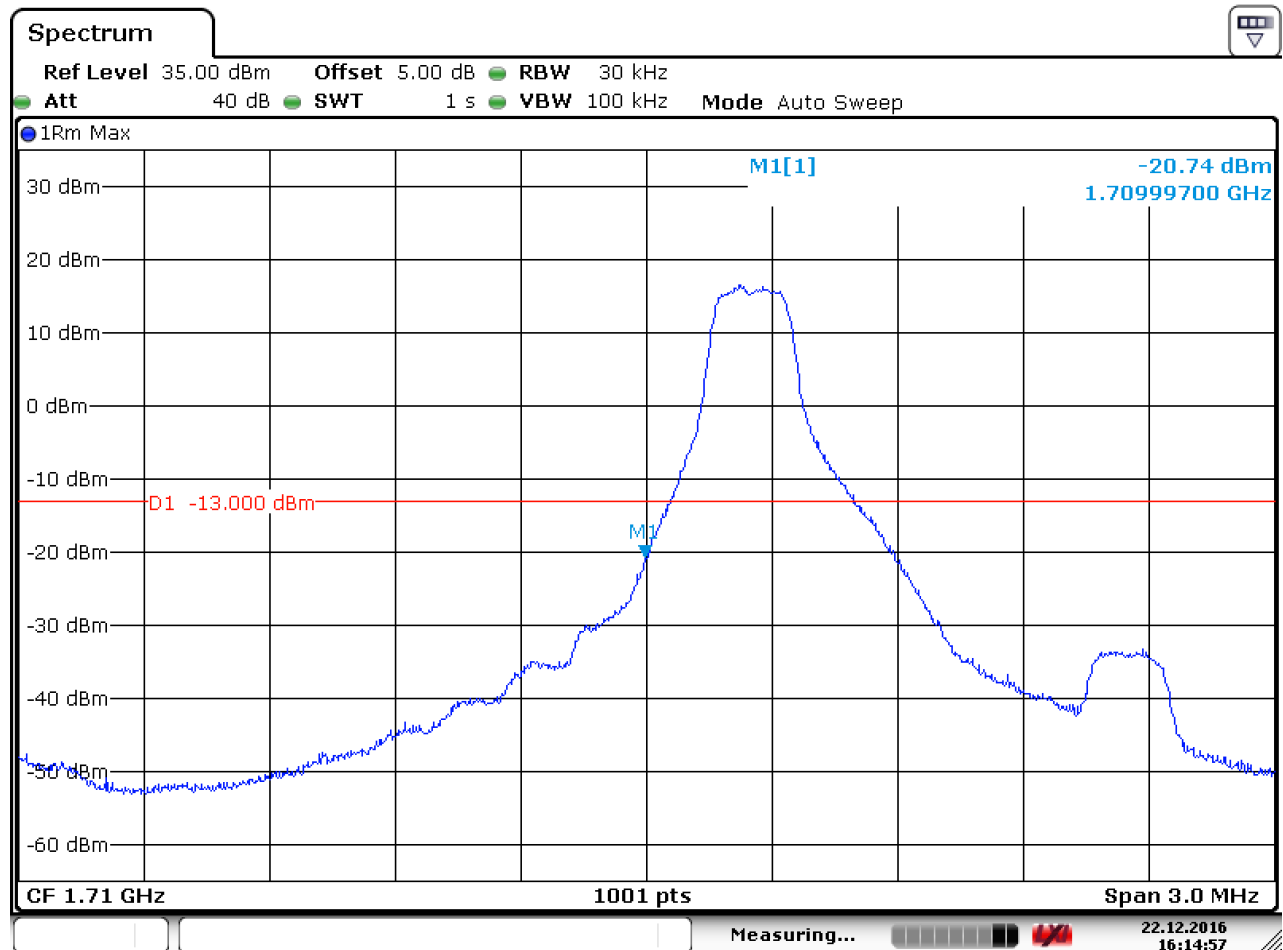
5.1 For LTE

5.1.1 Test Band = LTE band4

5.1.1.1 Test Mode = LTE/TM1 1.4MHz

5.1.1.1.1 Test Channel = LCH

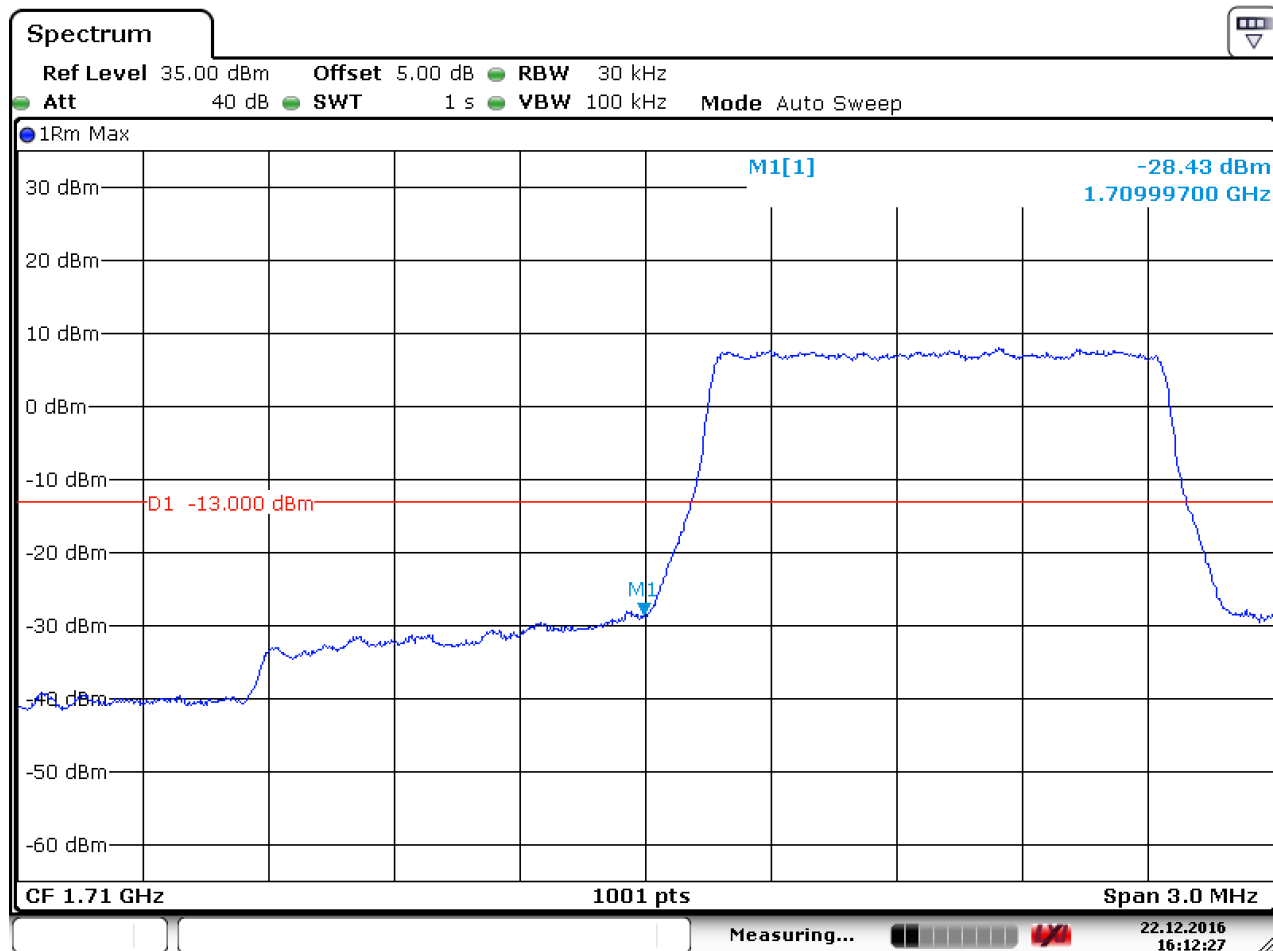
5.1.1.1.1.1 Test RB=1RB



Date: 22.DEC.2016 16:14:57



5.1.1.1.1.2 Test RB=6RB

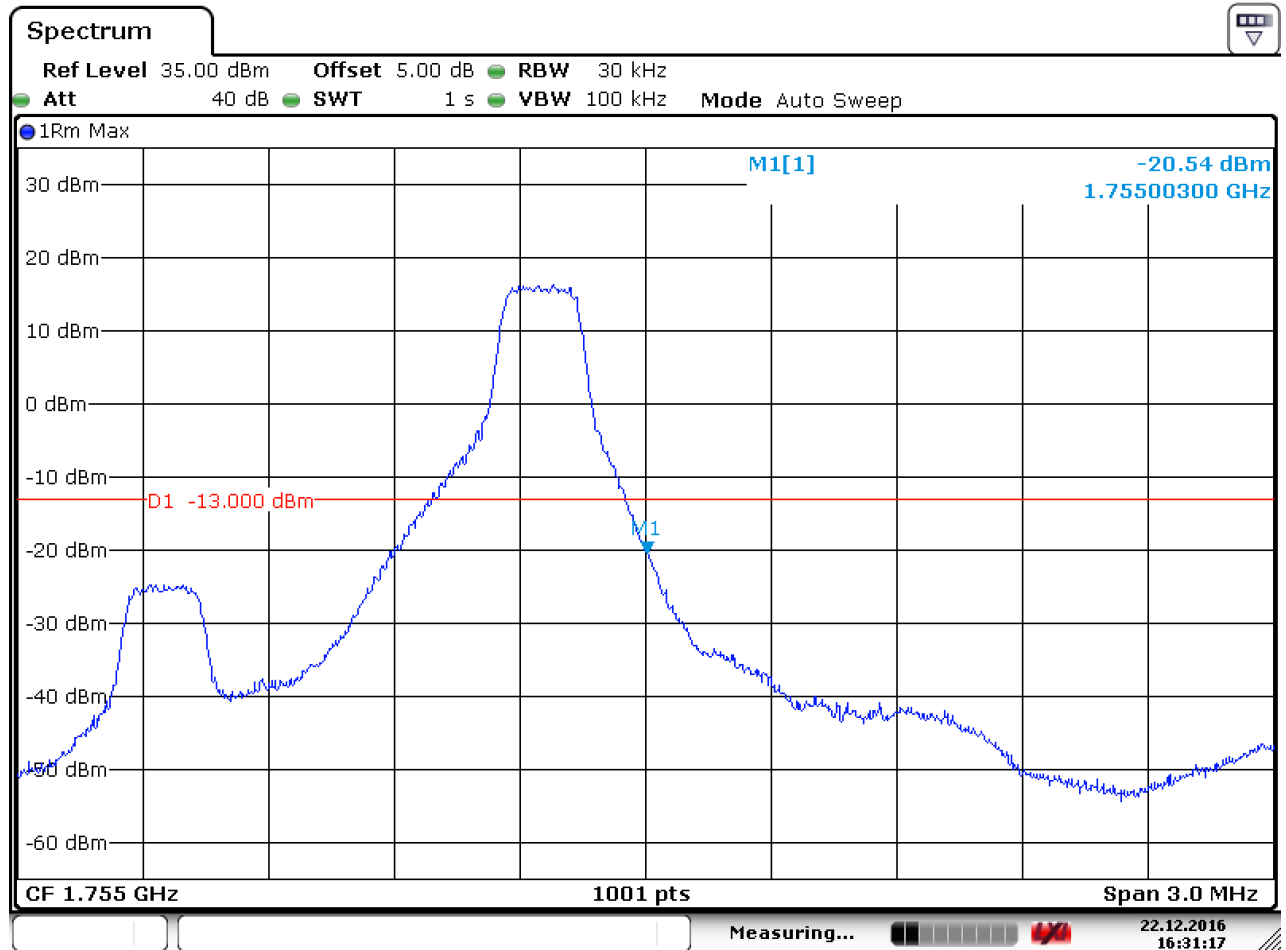


Date: 22.DEC.2016 16:12:28



5.1.1.1.2 Test Channel = HCH

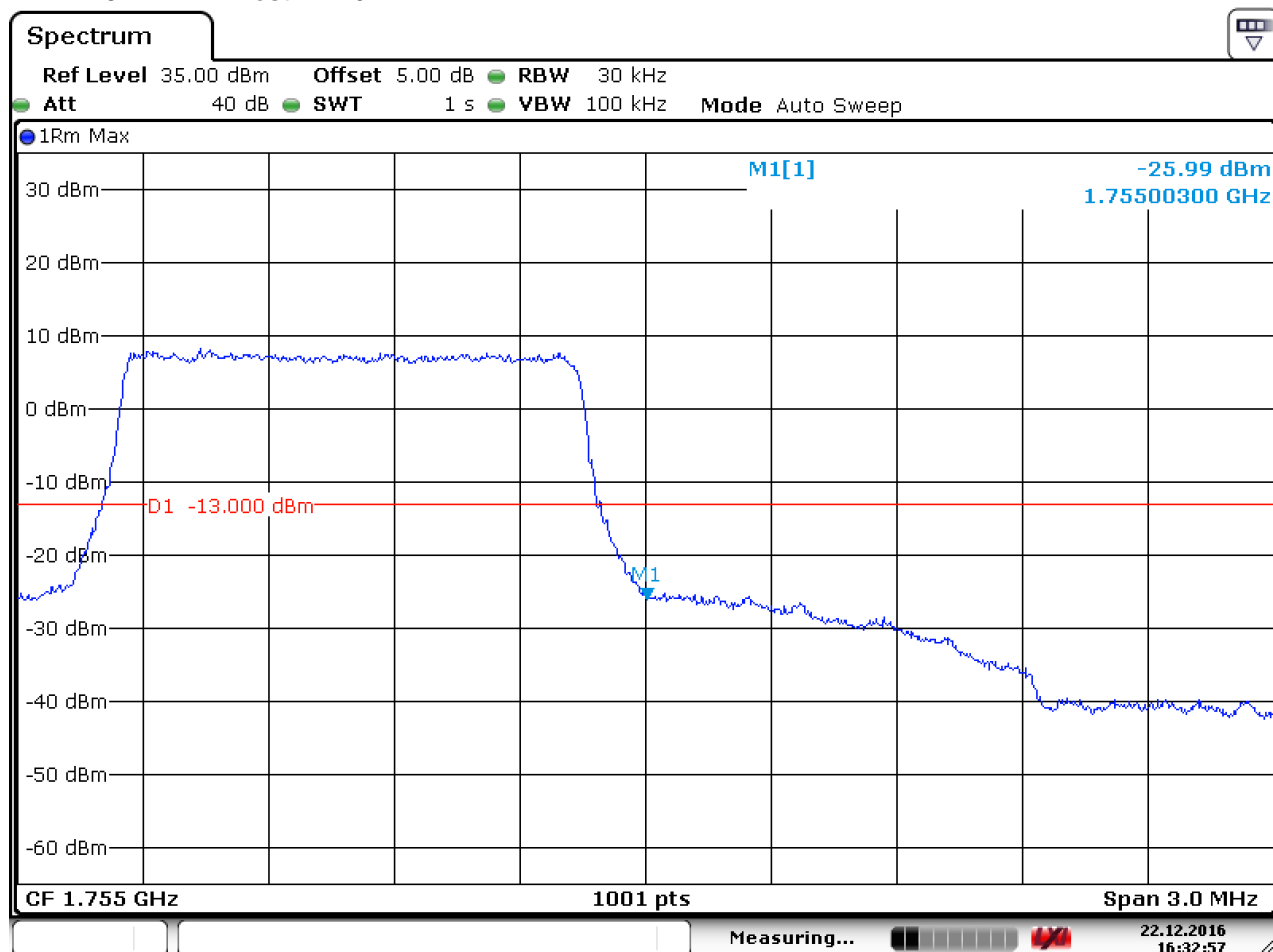
5.1.1.1.2.1 Test RB=1RB



Date: 22.DEC.2016 16:31:17



5.1.1.1.2.2 Test RB=6RB



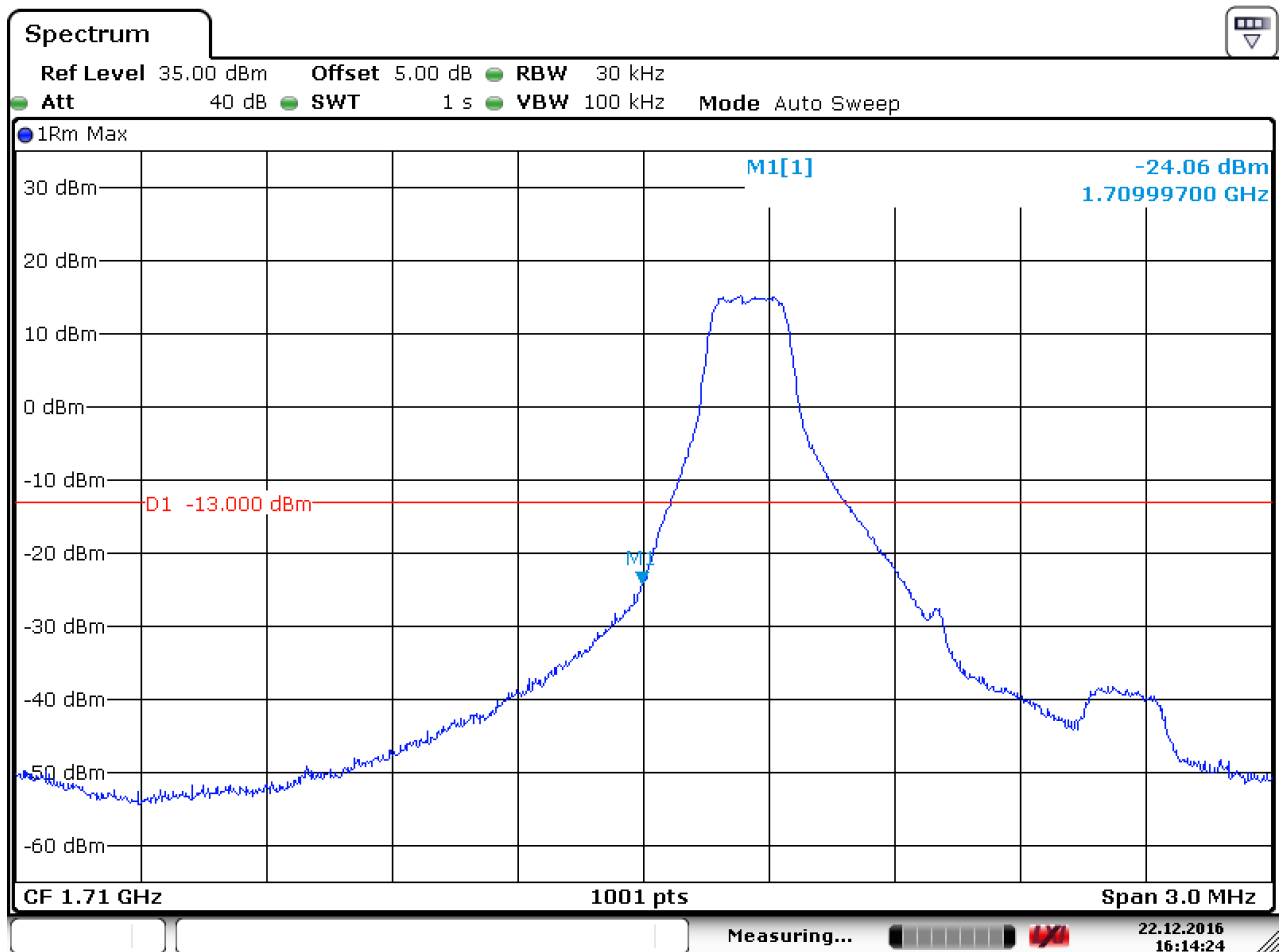
Date: 22.DEC.2016 16:32:58



5.1.1.2 Test Mode = LTE/TM2 1.4MHz

5.1.1.2.1 Test Channel = LCH

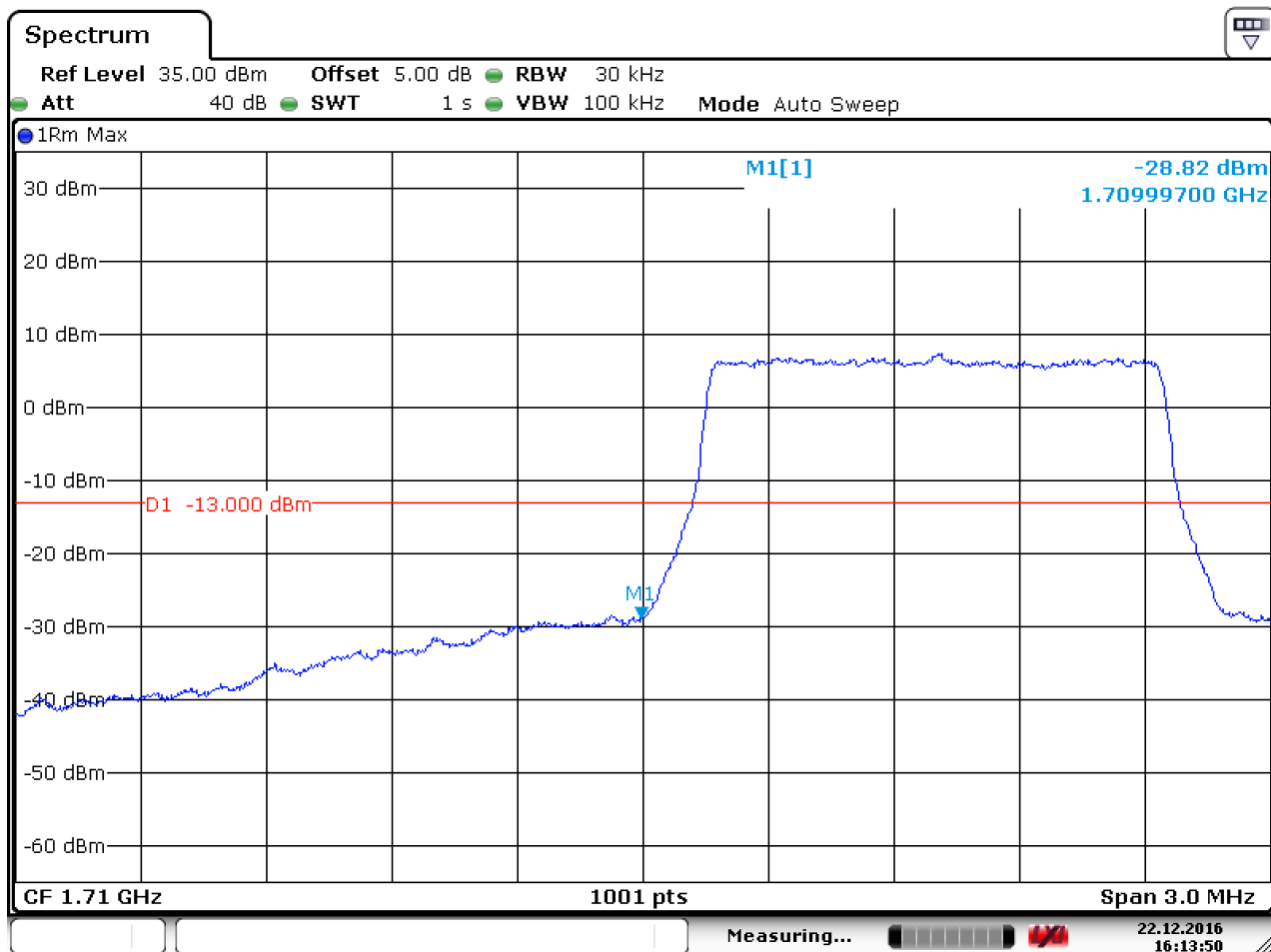
5.1.1.2.1.1 Test RB=1RB



Date: 22.DEC.2016 16:14:24



5.1.1.2.1.2 Test RB=6RB

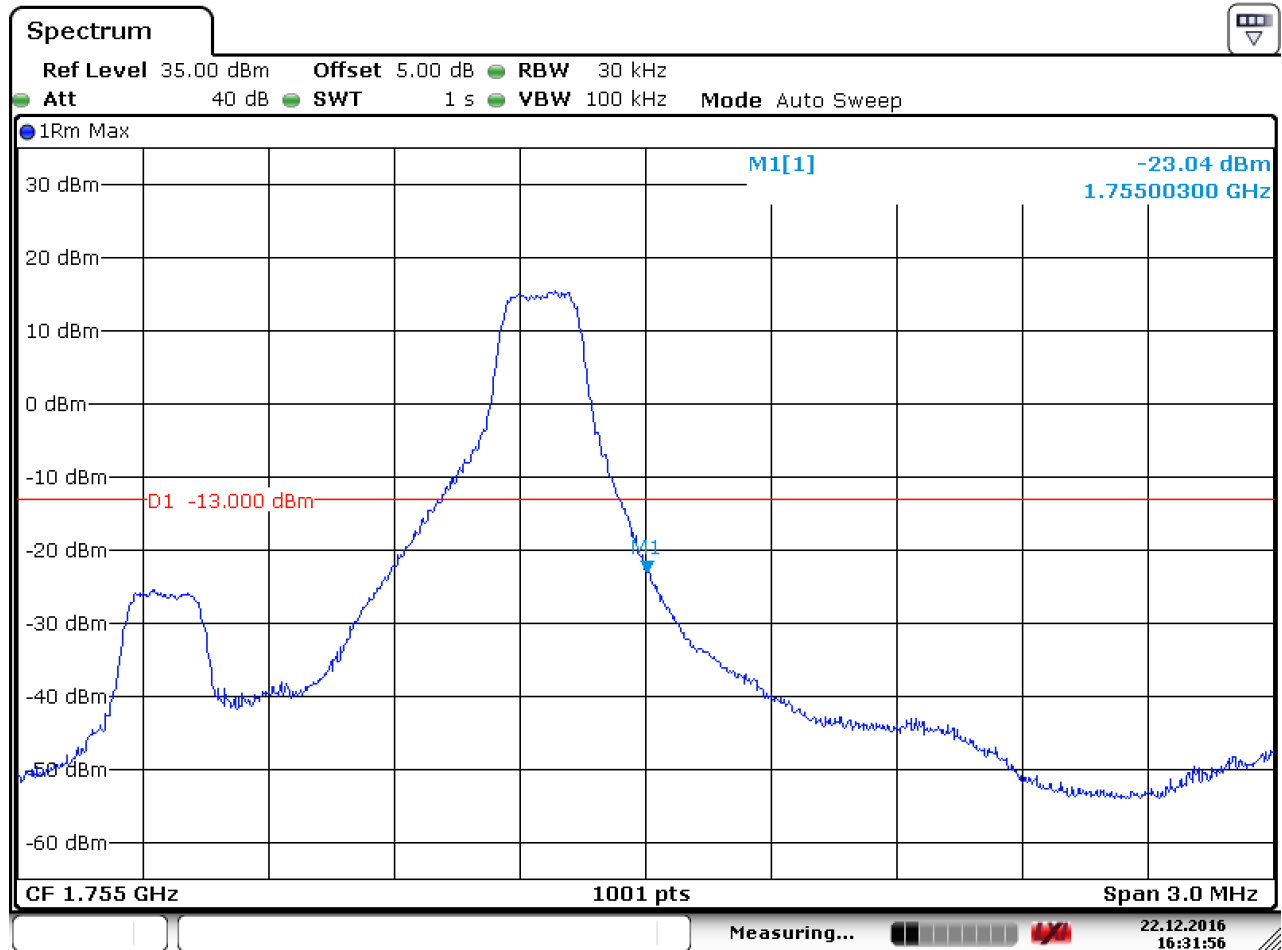


Date: 22.DEC.2016 16:13:50



5.1.1.2.2 Test Channel = HCH

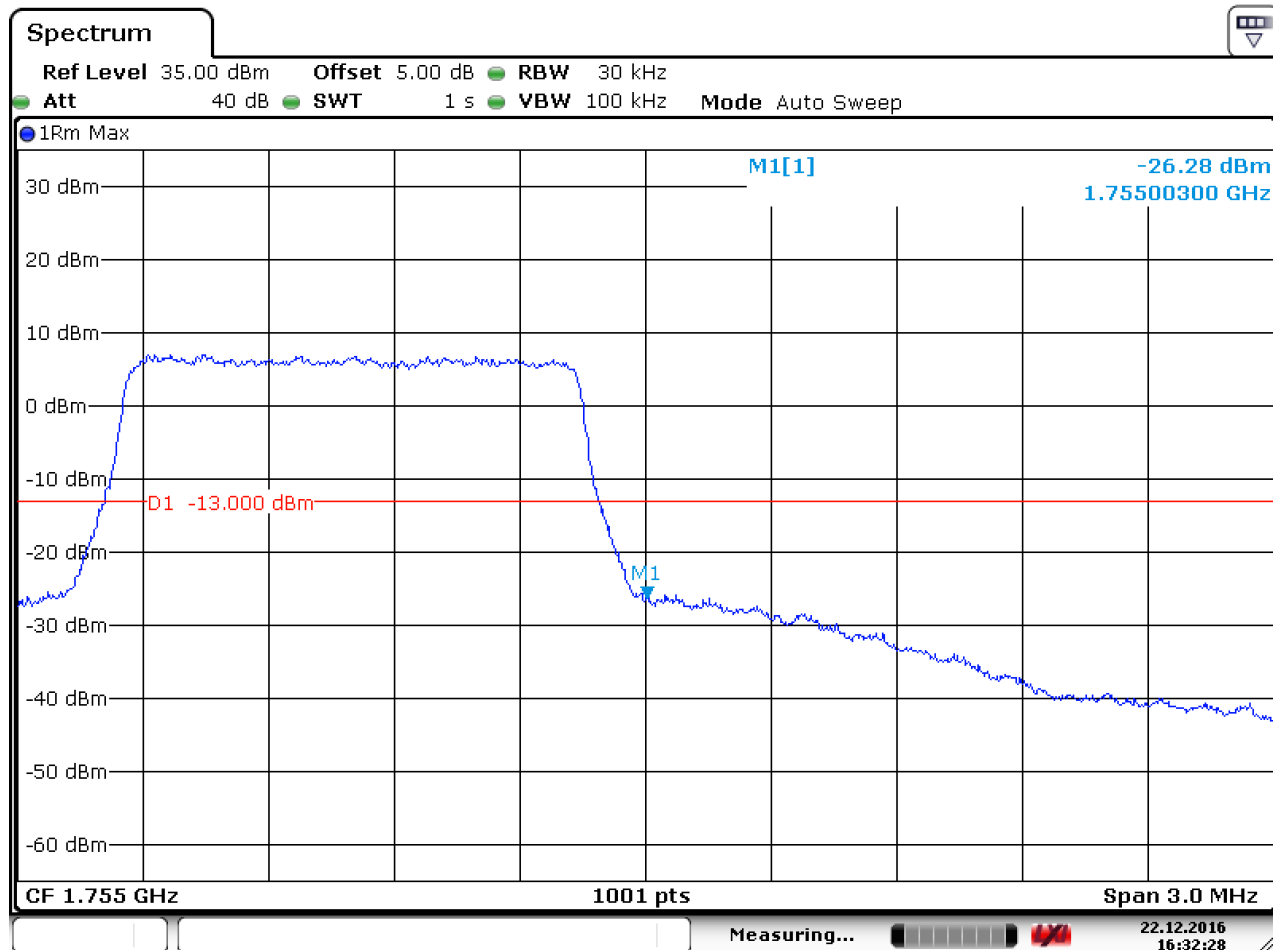
5.1.1.2.2.1 Test RB=1RB



Date: 22.DEC.2016 16:31:57



5.1.1.2.2.2 Test RB=6RB



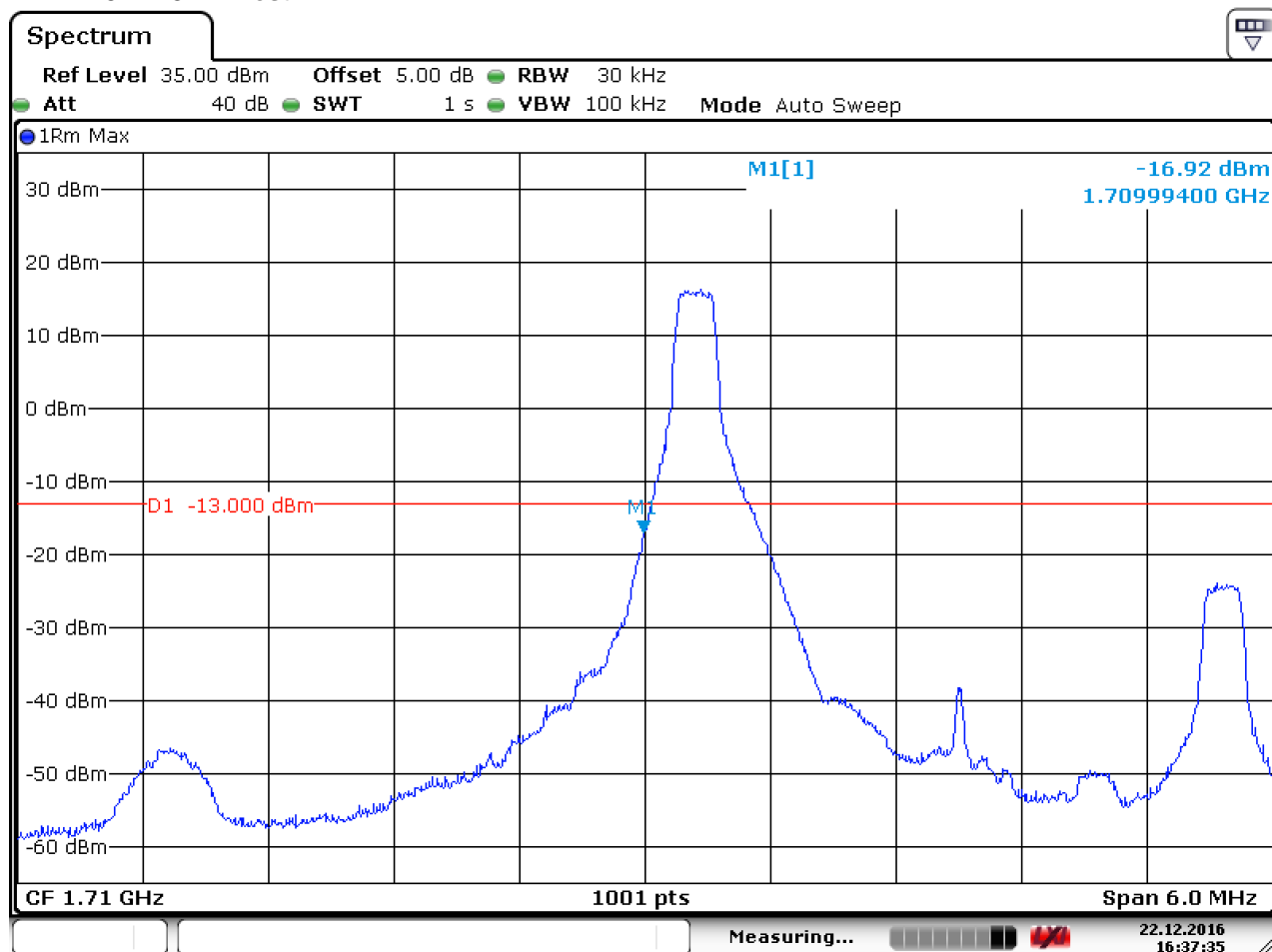
Date: 22.DEC.2016 16:32:28



5.1.1.3 Test Mode = LTE/TM1 3MHz

5.1.1.3.1 Test Channel = LCH

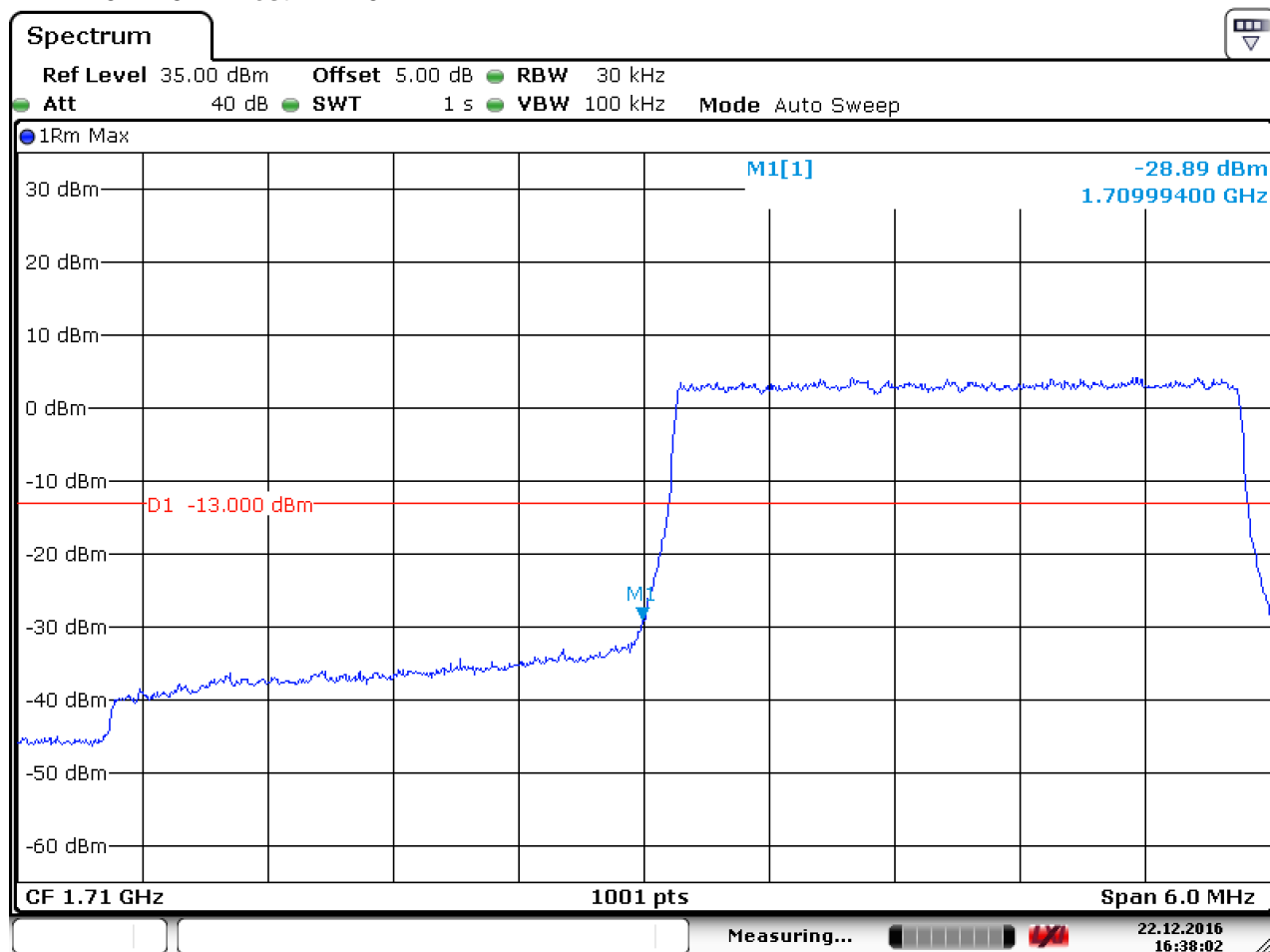
5.1.1.3.1.1 Test RB=1RB



Date: 22.DEC.2016 16:37:35



5.1.1.3.1.2 Test RB=15RB

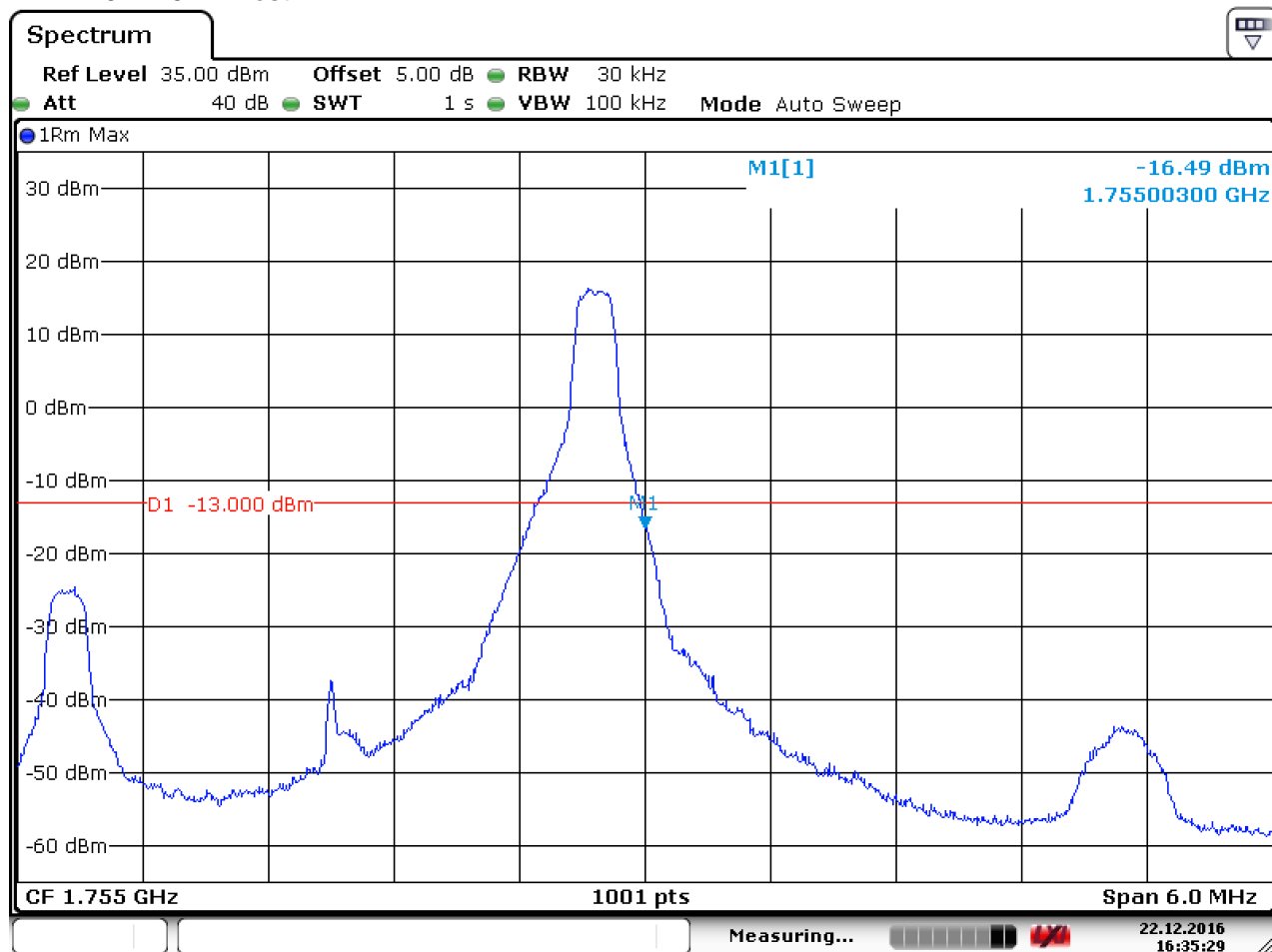


Date: 22.DEC.2016 16:38:03



5.1.1.3.2 Test Channel = HCH

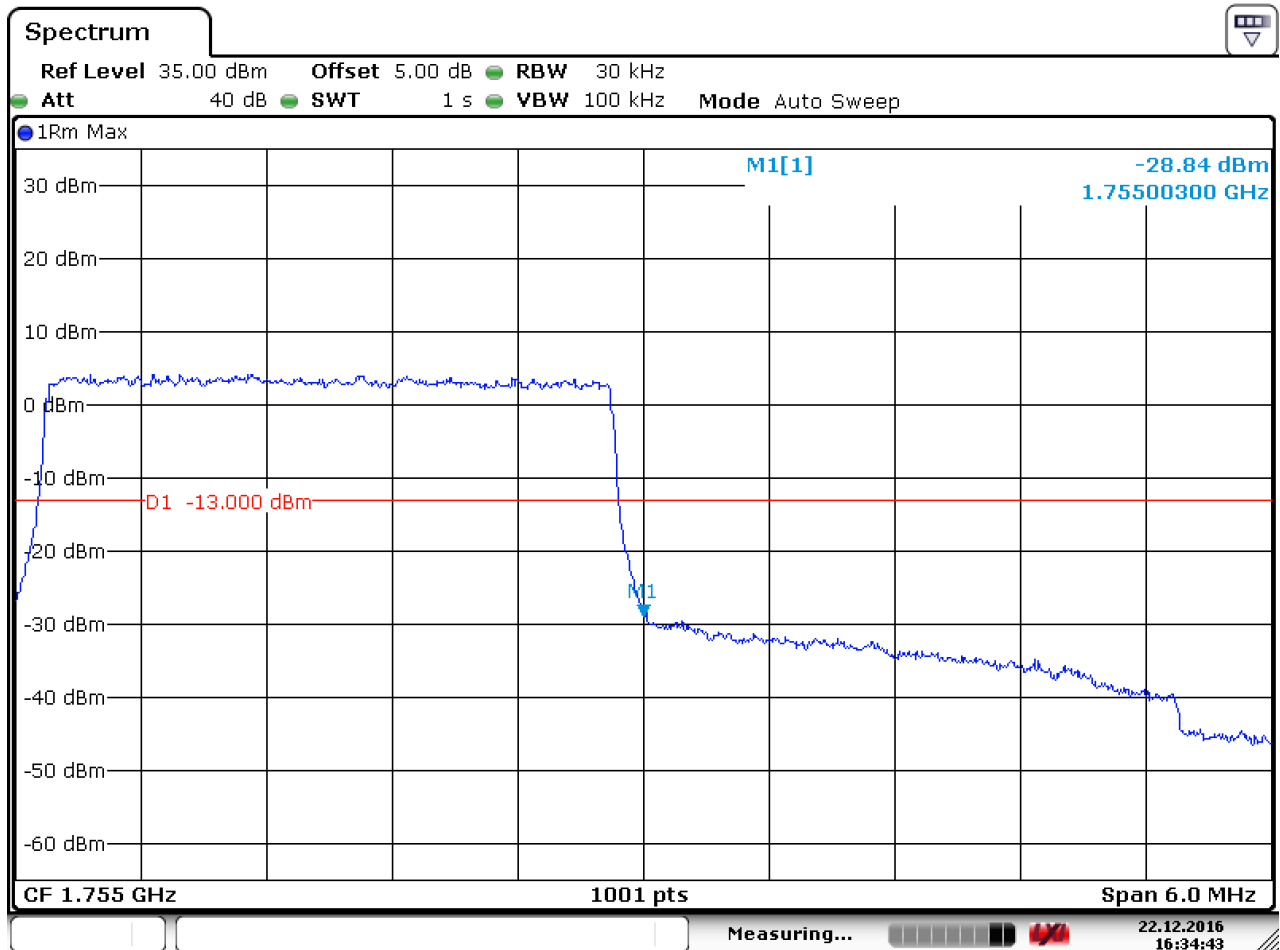
5.1.1.3.2.1 Test RB=1RB



Date: 22.DEC.2016 16:35:29



5.1.1.3.2.2 Test RB=15RB



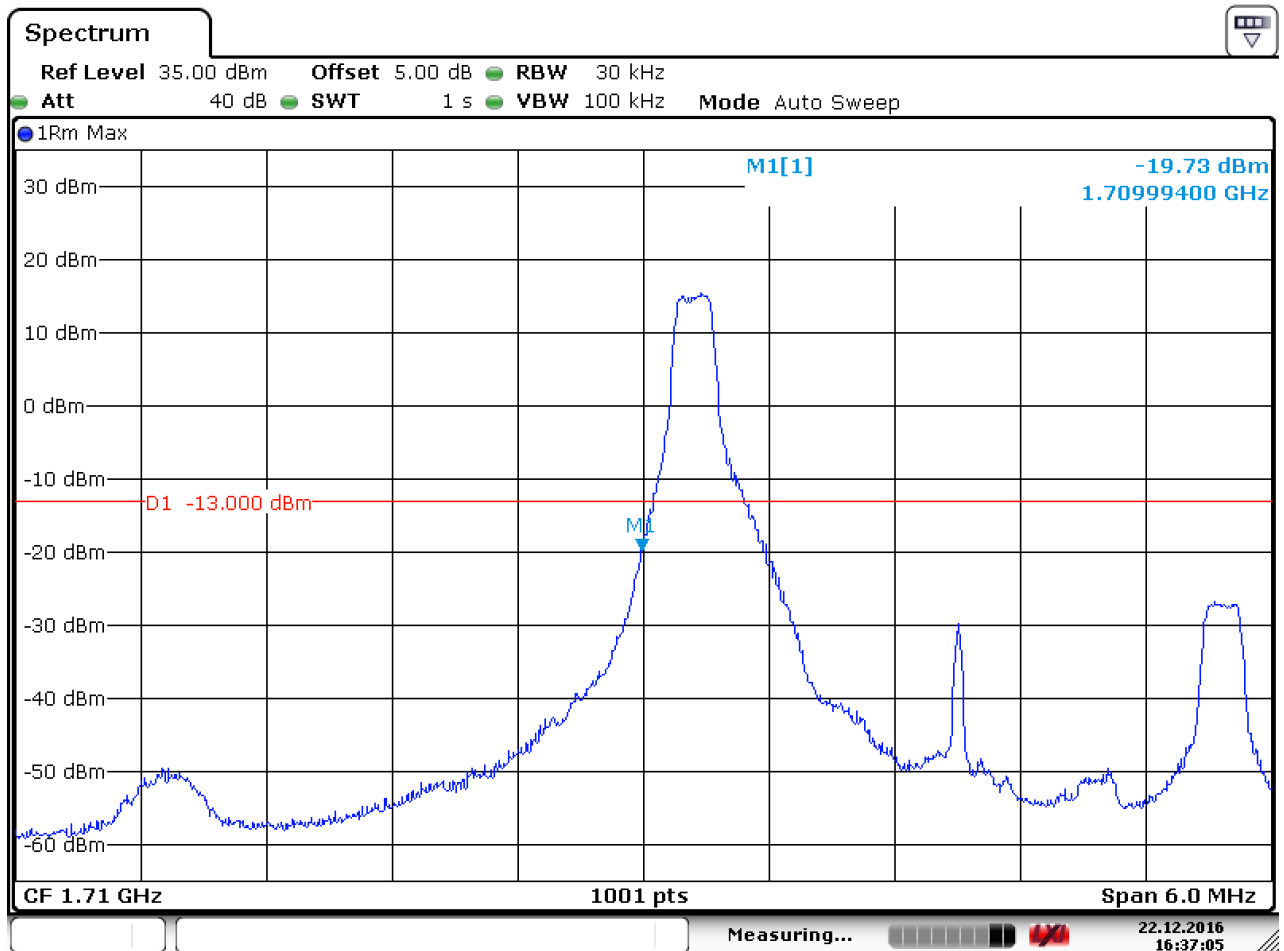
Date: 22.DEC.2016 16:34:43



5.1.1.4 Test Mode = LTE/TM2 3MHz

5.1.1.4.1 Test Channel = LCH

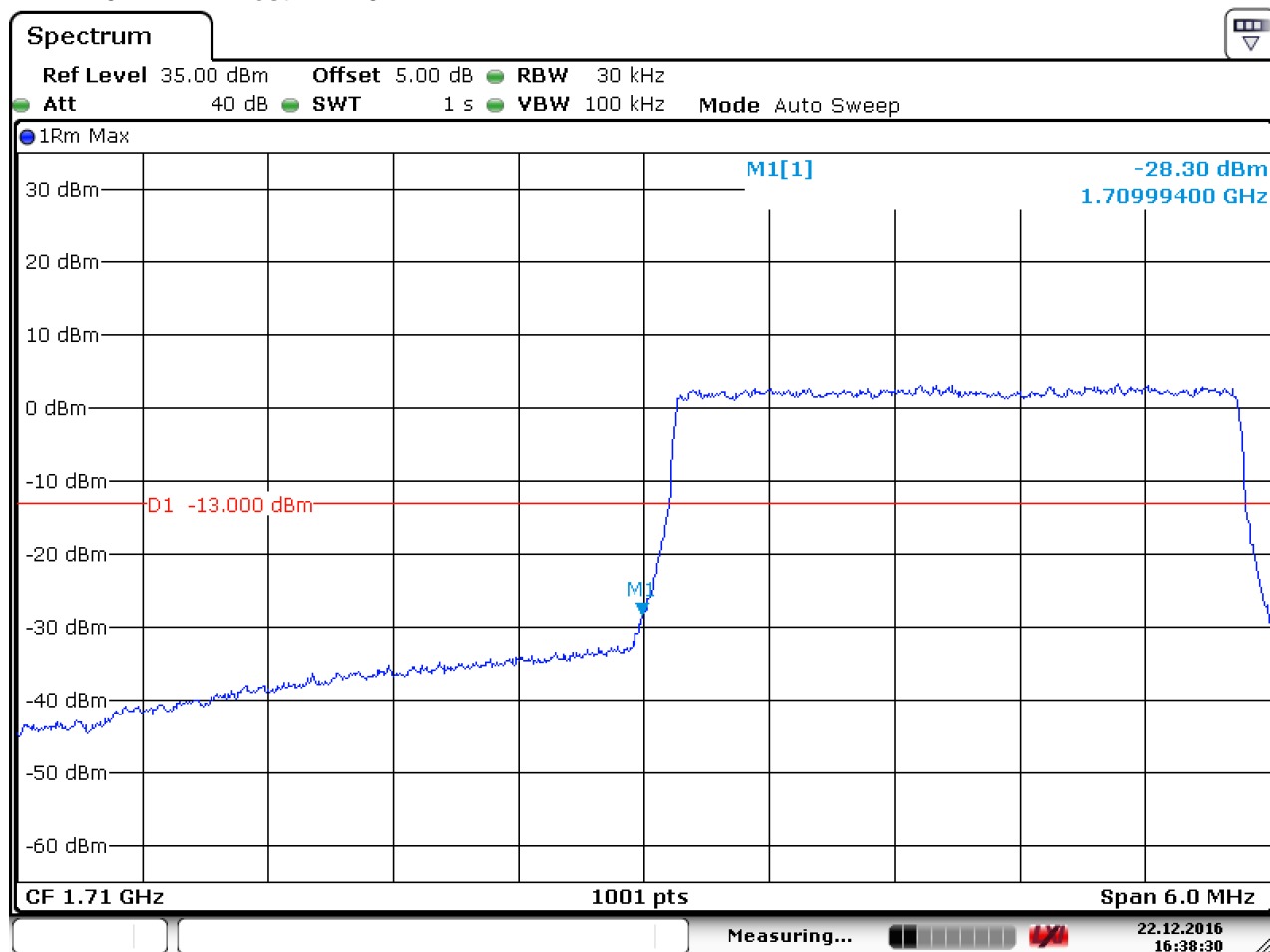
5.1.1.4.1.1 Test RB=1RB



Date: 22.DEC.2016 16:37:05



5.1.1.4.1.2 Test RB=15RB

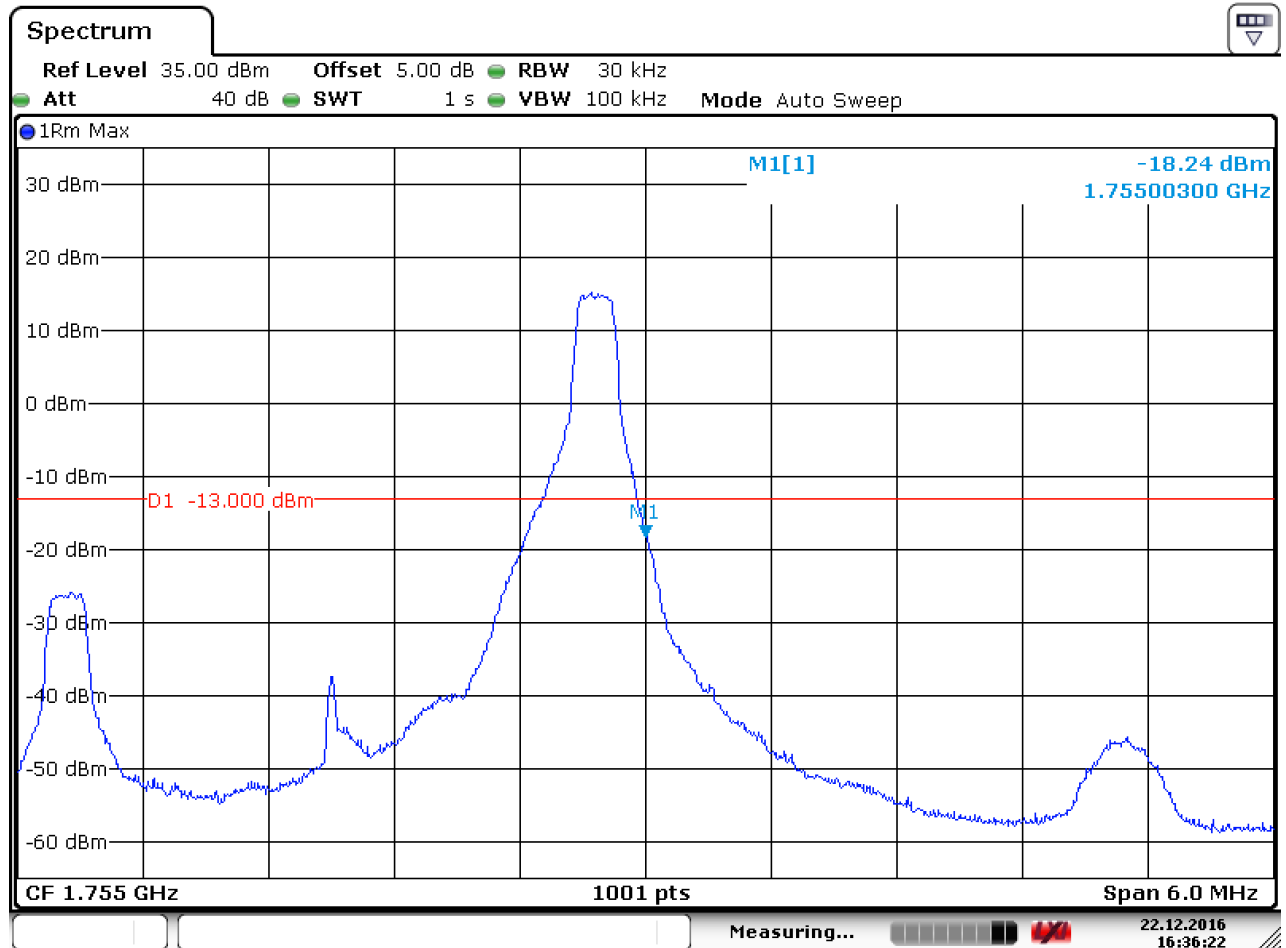


Date: 22.DEC.2016 16:38:30



5.1.1.4.2 Test Channel = HCH

5.1.1.4.2.1 Test RB=1RB



Date: 22.DEC.2016 16:36:22