# Appendix for test report

# 1Appendix_A: Effective (Isotropic) Radiated Power Output Data

**Part I - Test Results**

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| BAND7 | LTE/TM1 | 5 | LCH | RB1#0 | 22.03 | 21.13 | 33 | PASS |
| | | | | RB1#13 | 22.25 | 21.35 | 33 | PASS |
| | | | | RB1#24 | 22.32 | 21.42 | 33 | PASS |
| | | | | RB12#0 | 21.31 | 20.41 | 33 | PASS |
| | | | | RB12#6 | 21.35 | 20.45 | 33 | PASS |
| | | | | RB12#13 | 21.21 | 20.31 | 33 | PASS |
| | | | | RB25#0 | 21.24 | 20.34 | 33 | PASS |
| | | | MCH | RB1#0 | 22.08 | 21.18 | 33 | PASS |
| | | | | RB1#13 | 22.3 | 21.4 | 33 | PASS |
| | | | | RB1#24 | 22.33 | 21.43 | 33 | PASS |
| | | | | RB12#0 | 21.28 | 20.38 | 33 | PASS |
| | | | | RB12#6 | 21.3 | 20.4 | 33 | PASS |
| | | | | RB12#13 | 21.15 | 20.25 | 33 | PASS |
| | | | | RB25#0 | 21.25 | 20.35 | 33 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | HCH | RB1#0 | 21.76 | 20.86 | 33 | PASS |
| | | | | RB1#13 | 21.89 | 20.99 | 33 | PASS |
| | | | | RB1#24 | 22 | 21.1 | 33 | PASS |
| | | | | RB12#0 | 21.06 | 20.16 | 33 | PASS |
| | | | | RB12#6 | 21.11 | 20.21 | 33 | PASS |
| | | | | RB12#13 | 20.95 | 20.05 | 33 | PASS |
| | | | | RB25#0 | 21.1 | 20.2 | 33 | PASS |
| | | 10 | LCH | RB1#0 | 21.6 | 20.7 | 33 | PASS |
| | | | | RB1#25 | 22.39 | 21.49 | 33 | PASS |
| | | | | RB1#49 | 22.33 | 21.43 | 33 | PASS |
| | | | | RB25#0 | 20.96 | 20.06 | 33 | PASS |
| | | | | RB25#13 | 21.1 | 20.2 | 33 | PASS |
| | | | | RB25#25 | 21.4 | 20.5 | 33 | PASS |
| | | | | RB50#0 | 21.04 | 20.14 | 33 | PASS |
| | | | MCH | RB1#0 | 21.59 | 20.69 | 33 | PASS |
| | | | | RB1#25 | 22.33 | 21.43 | 33 | PASS |
| | | | | RB1#49 | 22.38 | 21.48 | 33 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | RB25#0 | 20.9 | 20 | 33 | PASS |
| | | | | RB25#13 | 21.01 | 20.11 | 33 | PASS |
| | | | | RB25#25 | 21.3 | 20.4 | 33 | PASS |
| | | | | RB50#0 | 20.97 | 20.07 | 33 | PASS |
| | | | HCH | RB1#0 | 21.28 | 20.38 | 33 | PASS |
| | | | | RB1#25 | 22.03 | 21.13 | 33 | PASS |
| | | | | RB1#49 | 22.04 | 21.14 | 33 | PASS |
| | | | | RB25#0 | 20.62 | 19.72 | 33 | PASS |
| | | | | RB25#13 | 20.63 | 19.73 | 33 | PASS |
| | | | | RB25#25 | 21.15 | 20.25 | 33 | PASS |
| | | | | RB50#0 | 20.82 | 19.92 | 33 | PASS |
| | | 15 | LCH | RB1#0 | 21.96 | 21.06 | 33 | PASS |
| | | | | RB1#38 | 22.31 | 21.41 | 33 | PASS |
| | | | | RB1#74 | 22.28 | 21.38 | 33 | PASS |
| | | | | RB36#0 | 21.12 | 20.22 | 33 | PASS |
| | | | | RB36#18 | 21.35 | 20.45 | 33 | PASS |
| | | | | RB36#39 | 21.07 | 20.17 | 33 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | RB75#0 | 21.18 | 20.28 | 33 | PASS |
| | | | MCH | RB1#0 | 21.9 | 21 | 33 | PASS |
| | | | | RB1#38 | 22.09 | 21.19 | 33 | PASS |
| | | | | RB1#74 | 22.32 | 21.42 | 33 | PASS |
| | | | | RB36#0 | 20.97 | 20.07 | 33 | PASS |
| | | | | RB36#18 | 21.16 | 20.26 | 33 | PASS |
| | | | | RB36#39 | 21.02 | 20.12 | 33 | PASS |
| | | | | RB75#0 | 21.01 | 20.11 | 33 | PASS |
| | | | HCH | RB1#0 | 21.75 | 20.85 | 33 | PASS |
| | | | | RB1#38 | 21.75 | 20.85 | 33 | PASS |
| | | | | RB1#74 | 21.99 | 21.09 | 33 | PASS |
| | | | | RB36#0 | 20.72 | 19.82 | 33 | PASS |
| | | | | RB36#18 | 20.78 | 19.88 | 33 | PASS |
| | | | | RB36#39 | 20.97 | 20.07 | 33 | PASS |
| | | | | RB75#0 | 20.91 | 20.01 | 33 | PASS |
| | | 20 | LCH | RB1#0 | 21.65 | 20.75 | 33 | PASS |
| | | | | RB1#50 | 21.85 | 20.95 | 33 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | RB1#99 | 22.02 | 21.12 | 33 | PASS |
| | | | | RB50#0 | 20.94 | 20.04 | 33 | PASS |
| | | | | RB50#25 | 20.82 | 19.92 | 33 | PASS |
| | | | | RB50#50 | 20.69 | 19.79 | 33 | PASS |
| | | | | RB100#0 | 20.99 | 20.09 | 33 | PASS |
| | | | MCH | RB1#0 | 21.48 | 20.58 | 33 | PASS |
| | | | | RB1#50 | 21.8 | 20.9 | 33 | PASS |
| | | | | RB1#99 | 22.16 | 21.26 | 33 | PASS |
| | | | | RB50#0 | 20.91 | 20.01 | 33 | PASS |
| | | | | RB50#25 | 20.84 | 19.94 | 33 | PASS |
| | | | | RB50#50 | 20.7 | 19.8 | 33 | PASS |
| | | | | RB100#0 | 20.8 | 19.9 | 33 | PASS |
| | | | HCH | RB1#0 | 21.64 | 20.74 | 33 | PASS |
| | | | | RB1#50 | 21.35 | 20.45 | 33 | PASS |
| | | | | RB1#99 | 21.89 | 20.99 | 33 | PASS |
| | | | | RB50#0 | 20.55 | 19.65 | 33 | PASS |
| | | | | RB50#25 | 20.46 | 19.56 | 33 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | RB50#50 | 20.62 | 19.72 | 33 | PASS |
| | | | | RB100#0 | 20.79 | 19.89 | 33 | PASS |
| | LTE/TM2 | 5 | LCH | RB1#0 | 21.16 | 20.26 | 33 | PASS |
| | | | | RB1#13 | 21.34 | 20.44 | 33 | PASS |
| | | | | RB1#24 | 21.51 | 20.61 | 33 | PASS |
| | | | | RB12#0 | 20.87 | 19.97 | 33 | PASS |
| | | | | RB12#6 | 20.91 | 20.01 | 33 | PASS |
| | | | | RB12#13 | 20.78 | 19.88 | 33 | PASS |
| | | | | RB25#0 | 20.82 | 19.92 | 33 | PASS |
| | | | MCH | RB1#0 | 21.17 | 20.27 | 33 | PASS |
| | | | | RB1#13 | 21.38 | 20.48 | 33 | PASS |
| | | | | RB1#24 | 21.45 | 20.55 | 33 | PASS |
| | | | | RB12#0 | 20.77 | 19.87 | 33 | PASS |
| | | | | RB12#6 | 20.8 | 19.9 | 33 | PASS |
| | | | | RB12#13 | 20.67 | 19.77 | 33 | PASS |
| | | | | RB25#0 | 20.76 | 19.86 | 33 | PASS |
| | | | HCH | RB1#0 | 20.93 | 20.03 | 33 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | RB1#13 | 21.21 | 20.31 | 33 | PASS |
| | | | | RB1#24 | 21.18 | 20.28 | 33 | PASS |
| | | | | RB12#0 | 20.56 | 19.66 | 33 | PASS |
| | | | | RB12#6 | 20.57 | 19.67 | 33 | PASS |
| | | | | RB12#13 | 20.52 | 19.62 | 33 | PASS |
| | | | | RB25#0 | 20.54 | 19.64 | 33 | PASS |
| | | 10 | LCH | RB1#0 | 20.81 | 19.91 | 33 | PASS |
| | | | | RB1#25 | 21.66 | 20.76 | 33 | PASS |
| | | | | RB1#49 | 21.67 | 20.77 | 33 | PASS |
| | | | | RB25#0 | 20.45 | 19.55 | 33 | PASS |
| | | | | RB25#13 | 20.59 | 19.69 | 33 | PASS |
| | | | | RB25#25 | 20.87 | 19.97 | 33 | PASS |
| | | | | RB50#0 | 20.51 | 19.61 | 33 | PASS |
| | | | MCH | RB1#0 | 20.74 | 19.84 | 33 | PASS |
| | | | | RB1#25 | 21.51 | 20.61 | 33 | PASS |
| | | | | RB1#49 | 21.68 | 20.78 | 33 | PASS |
| | | | | RB25#0 | 20.4 | 19.5 | 33 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | RB25#13 | 20.53 | 19.63 | 33 | PASS |
| | | | | RB25#25 | 20.78 | 19.88 | 33 | PASS |
| | | | | RB50#0 | 20.52 | 19.62 | 33 | PASS |
| | | | HCH | RB1#0 | 20.49 | 19.59 | 33 | PASS |
| | | | | RB1#25 | 21.11 | 20.21 | 33 | PASS |
| | | | | RB1#49 | 21.21 | 20.31 | 33 | PASS |
| | | | | RB25#0 | 20.11 | 19.21 | 33 | PASS |
| | | | | RB25#13 | 20.17 | 19.27 | 33 | PASS |
| | | | | RB25#25 | 20.61 | 19.71 | 33 | PASS |
| | | | | RB50#0 | 20.33 | 19.43 | 33 | PASS |
| | | 15 | LCH | RB1#0 | 21.25 | 20.35 | 33 | PASS |
| | | | | RB1#38 | 21.53 | 20.63 | 33 | PASS |
| | | | | RB1#74 | 21.54 | 20.64 | 33 | PASS |
| | | | | RB36#0 | 20.65 | 19.75 | 33 | PASS |
| | | | | RB36#18 | 20.83 | 19.93 | 33 | PASS |
| | | | | RB36#39 | 20.59 | 19.69 | 33 | PASS |
| | | | | RB75#0 | 20.63 | 19.73 | 33 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | MCH | RB1#0 | 21.22 | 20.32 | 33 | PASS |
| | | | | RB1#38 | 21.47 | 20.57 | 33 | PASS |
| | | | | RB1#74 | 21.64 | 20.74 | 33 | PASS |
| | | | | RB36#0 | 20.47 | 19.57 | 33 | PASS |
| | | | | RB36#18 | 20.58 | 19.68 | 33 | PASS |
| | | | | RB36#39 | 20.47 | 19.57 | 33 | PASS |
| | | | | RB75#0 | 20.49 | 19.59 | 33 | PASS |
| | | | HCH | RB1#0 | 21.08 | 20.18 | 33 | PASS |
| | | | | RB1#38 | 20.99 | 20.09 | 33 | PASS |
| | | | | RB1#74 | 21.31 | 20.41 | 33 | PASS |
| | | | | RB36#0 | 20.24 | 19.34 | 33 | PASS |
| | | | | RB36#18 | 20.25 | 19.35 | 33 | PASS |
| | | | | RB36#39 | 20.43 | 19.53 | 33 | PASS |
| | | | | RB75#0 | 20.4 | 19.5 | 33 | PASS |
| | | 20 | LCH | RB1#0 | 21.19 | 20.29 | 33 | PASS |
| | | | | RB1#50 | 21.56 | 20.66 | 33 | PASS |
| | | | | RB1#99 | 21.59 | 20.69 | 33 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | RB50#0 | 20.47 | 19.57 | 33 | PASS |
| | | | | RB50#25 | 20.39 | 19.49 | 33 | PASS |
| | | | | RB50#50 | 20.27 | 19.37 | 33 | PASS |
| | | | | RB100#0 | 20.53 | 19.63 | 33 | PASS |
| | | | MCH | RB1#0 | 20.93 | 20.03 | 33 | PASS |
| | | | | RB1#50 | 21.25 | 20.35 | 33 | PASS |
| | | | | RB1#99 | 21.62 | 20.72 | 33 | PASS |
| | | | | RB50#0 | 20.37 | 19.47 | 33 | PASS |
| | | | | RB50#25 | 20.37 | 19.47 | 33 | PASS |
| | | | | RB50#50 | 20.23 | 19.33 | 33 | PASS |
| | | | | RB100#0 | 20.24 | 19.34 | 33 | PASS |
| | | | HCH | RB1#0 | 21.08 | 20.18 | 33 | PASS |
| | | | | RB1#50 | 20.69 | 19.79 | 33 | PASS |
| | | | | RB1#99 | 21.25 | 20.35 | 33 | PASS |
| | | | | RB50#0 | 20.13 | 19.23 | 33 | PASS |
| | | | | RB50#25 | 19.99 | 19.09 | 33 | PASS |
| | | | | RB50#50 | 20.09 | 19.19 | 33 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | | | RB100#0 | 20.28 | 19.38 | 33 | PASS |

Note1:

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

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

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

b, SGP=Signal Generator Level

Note2:

SET Span=1.5*OBW

SET RBW=1%of the OBW,not to wxceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector:RMS

# 2Appendix_B: Peak-to-Average Ratio

**Part I - Test Results**

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|---|---|---|---|---|---|---|---|
| BAND7 | LTE/TM1 | 5 | LCH | RB1#0 | 3.69 | 13 | PASS |
| | | | | RB1#13 | 3.54 | 13 | PASS |
| | | | | RB1#24 | 3.41 | 13 | PASS |
| | | | | RB12#0 | 4.68 | 13 | PASS |
| | | | | RB12#6 | 4.57 | 13 | PASS |
| | | | | RB12#13 | 4.8 | 13 | PASS |
| | | | | RB25#0 | 5.17 | 13 | PASS |
| | | | MCH | RB1#0 | 4.25 | 13 | PASS |
| | | | | RB1#13 | 4.17 | 13 | PASS |
| | | | | RB1#24 | 4.01 | 13 | PASS |
| | | | | RB12#0 | 5.16 | 13 | PASS |
| | | | | RB12#6 | 5.27 | 13 | PASS |
| | | | | RB12#13 | 5.25 | 13 | PASS |
| | | | | RB25#0 | 5.55 | 13 | PASS |
| | | | HCH | RB1#0 | 3.89 | 13 | PASS |
| | | | | RB1#13 | 3.71 | 13 | PASS |
| | | | | RB1#24 | 3.57 | 13 | PASS |
| | | | | RB12#0 | 5.04 | 13 | PASS |
| | | | | RB12#6 | 4.91 | 13 | PASS |
| | | | | RB12#13 | 4.99 | 13 | PASS |
| | | | | RB25#0 | 5.57 | 13 | PASS |
| | | 10 | LCH | RB1#0 | 3.85 | 13 | PASS |
| | | | | RB1#25 | 3.36 | 13 | PASS |
| | | | | RB1#49 | 3.36 | 13 | PASS |
| | | | | RB25#0 | 4.97 | 13 | PASS |
| | | | | RB25#13 | 4.81 | 13 | PASS |
| | | | | RB25#25 | 4.81 | 13 | PASS |
| | | | | RB50#0 | 5.69 | 13 | PASS |
| | | | MCH | RB1#0 | 4.59 | 13 | PASS |
| | | | | RB1#25 | 4.05 | 13 | PASS |
| | | | | RB1#49 | 4.11 | 13 | PASS |
| | | | | RB25#0 | 5.55 | 13 | PASS |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|---|---|---|---|---|---|---|---|
| | | | | RB25#13 | 5.52 | 13 | PASS |
| | | | | RB25#25 | 5.48 | 13 | PASS |
| | | | | RB50#0 | 6 | 13 | PASS |
| | | | HCH | RB1#0 | 4.2 | 13 | PASS |
| | | | | RB1#25 | 3.69 | 13 | PASS |
| | | | | RB1#49 | 3.66 | 13 | PASS |
| | | | | RB25#0 | 5.38 | 13 | PASS |
| | | | | RB25#13 | 5.25 | 13 | PASS |
| | | | | RB25#25 | 4.99 | 13 | PASS |
| | | | | RB50#0 | 5.61 | 13 | PASS |
| | | 15 | LCH | RB1#0 | 3.68 | 13 | PASS |
| | | | | RB1#38 | 3.55 | 13 | PASS |
| | | | | RB1#74 | 3.55 | 13 | PASS |
| | | | | RB36#0 | 5.01 | 13 | PASS |
| | | | | RB36#18 | 4.78 | 13 | PASS |
| | | | | RB36#39 | 5 | 13 | PASS |
| | | | | RB75#0 | 5.66 | 13 | PASS |
| | | | MCH | RB1#0 | 4.16 | 13 | PASS |
| | | | | RB1#38 | 4.16 | 13 | PASS |
| | | | | RB1#74 | 4.06 | 13 | PASS |
| | | | | RB36#0 | 5.54 | 13 | PASS |
| | | | | RB36#18 | 5.53 | 13 | PASS |
| | | | | RB36#39 | 5.45 | 13 | PASS |
| | | | | RB75#0 | 6.05 | 13 | PASS |
| | | | HCH | RB1#0 | 4.18 | 13 | PASS |
| | | | | RB1#38 | 4.13 | 13 | PASS |
| | | | | RB1#74 | 3.89 | 13 | PASS |
| | | | | RB36#0 | 5.46 | 13 | PASS |
| | | | | RB36#18 | 5.37 | 13 | PASS |
| | | | | RB36#39 | 5.28 | 13 | PASS |
| | | | | RB75#0 | 5.7 | 13 | PASS |
| | | 20 | LCH | RB1#0 | 3.97 | 13 | PASS |
| | | | | RB1#50 | 3.8 | 13 | PASS |
| | | | | RB1#99 | 3.8 | 13 | PASS |
| | | | | RB50#0 | 5.1 | 13 | PASS |
| | | | | RB50#25 | 5.07 | 13 | PASS |
| | | | | RB50#50 | 5.13 | 13 | PASS |
| | | | | RB100#0 | 5.6 | 13 | PASS |
| | | | MCH | RB1#0 | 4.41 | 13 | PASS |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|---|---|---|---|---|---|---|---|
| | | | | RB1#50 | 4.48 | 13 | PASS |
| | | | | RB1#99 | 4.13 | 13 | PASS |
| | | | | RB50#0 | 5.62 | 13 | PASS |
| | | | | RB50#25 | 5.72 | 13 | PASS |
| | | | | RB50#50 | 5.72 | 13 | PASS |
| | | | | RB100#0 | 6.14 | 13 | PASS |
| | | | HCH | RB1#0 | 4.27 | 13 | PASS |
| | | | | RB1#50 | 4.24 | 13 | PASS |
| | | | | RB1#99 | 3.97 | 13 | PASS |
| | | | | RB50#0 | 5.44 | 13 | PASS |
| | | | | RB50#25 | 5.43 | 13 | PASS |
| | | | | RB50#50 | 5.35 | 13 | PASS |
| | | | | RB100#0 | 5.76 | 13 | PASS |
| | LTE/TM2 | 5 | LCH | RB1#0 | 4.7 | 13 | PASS |
| | | | | RB1#13 | 4.78 | 13 | PASS |
| | | | | RB1#24 | 4.62 | 13 | PASS |
| | | | | RB12#0 | 5.23 | 13 | PASS |
| | | | | RB12#6 | 5.06 | 13 | PASS |
| | | | | RB12#13 | 5.39 | 13 | PASS |
| | | | | RB25#0 | 5.85 | 13 | PASS |
| | | | MCH | RB1#0 | 5.06 | 13 | PASS |
| | | | | RB1#13 | 5.14 | 13 | PASS |
| | | | | RB1#24 | 5.36 | 13 | PASS |
| | | | | RB12#0 | 5.81 | 13 | PASS |
| | | | | RB12#6 | 5.82 | 13 | PASS |
| | | | | RB12#13 | 5.86 | 13 | PASS |
| | | | | RB25#0 | 6.33 | 13 | PASS |
| | | | HCH | RB1#0 | 4.67 | 13 | PASS |
| | | | | RB1#13 | 4.7 | 13 | PASS |
| | | | | RB1#24 | 4.46 | 13 | PASS |
| | | | | RB12#0 | 5.45 | 13 | PASS |
| | | | | RB12#6 | 5.33 | 13 | PASS |
| | | | | RB12#13 | 5.5 | 13 | PASS |
| | | | | RB25#0 | 6.03 | 13 | PASS |
| | | 10 | LCH | RB1#0 | 4.87 | 13 | PASS |
| | | | | RB1#25 | 4.3 | 13 | PASS |
| | | | | RB1#49 | 4.18 | 13 | PASS |
| | | | | RB25#0 | 5.48 | 13 | PASS |
| | | | | RB25#13 | 5.34 | 13 | PASS |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|---|---|---|---|---|---|---|---|
| | | | | RB25#25 | 5.37 | 13 | PASS |
| | | | | RB50#0 | 5.95 | 13 | PASS |
| | | | MCH | RB1#0 | 5.38 | 13 | PASS |
| | | | | RB1#25 | 4.91 | 13 | PASS |
| | | | | RB1#49 | 5.01 | 13 | PASS |
| | | | | RB25#0 | 6.16 | 13 | PASS |
| | | | | RB25#13 | 6.1 | 13 | PASS |
| | | | | RB25#25 | 5.88 | 13 | PASS |
| | | | | RB50#0 | 6.65 | 13 | PASS |
| | | | HCH | RB1#0 | 5.35 | 13 | PASS |
| | | | | RB1#25 | 4.75 | 13 | PASS |
| | | | | RB1#49 | 4.9 | 13 | PASS |
| | | | | RB25#0 | 5.83 | 13 | PASS |
| | | | | RB25#13 | 5.82 | 13 | PASS |
| | | | | RB25#25 | 5.43 | 13 | PASS |
| | | | | RB50#0 | 6.16 | 13 | PASS |
| | | 15 | LCH | RB1#0 | 4.76 | 13 | PASS |
| | | | | RB1#38 | 4.44 | 13 | PASS |
| | | | | RB1#74 | 4.37 | 13 | PASS |
| | | | | RB36#0 | 5.44 | 13 | PASS |
| | | | | RB36#18 | 5.25 | 13 | PASS |
| | | | | RB36#39 | 5.53 | 13 | PASS |
| | | | | RB75#0 | 6.26 | 13 | PASS |
| | | | MCH | RB1#0 | 5.2 | 13 | PASS |
| | | | | RB1#38 | 5.16 | 13 | PASS |
| | | | | RB1#74 | 4.98 | 13 | PASS |
| | | | | RB36#0 | 6.14 | 13 | PASS |
| | | | | RB36#18 | 6.1 | 13 | PASS |
| | | | | RB36#39 | 6.21 | 13 | PASS |
| | | | | RB75#0 | 6.67 | 13 | PASS |
| | | | HCH | RB1#0 | 5.25 | 13 | PASS |
| | | | | RB1#38 | 5.05 | 13 | PASS |
| | | | | RB1#74 | 4.8 | 13 | PASS |
| | | | | RB36#0 | 5.93 | 13 | PASS |
| | | | | RB36#18 | 5.82 | 13 | PASS |
| | | | | RB36#39 | 5.8 | 13 | PASS |
| | | | | RB75#0 | 6.41 | 13 | PASS |
| | | 20 | LCH | RB1#0 | 4.88 | 13 | PASS |
| | | | | RB1#50 | 4.5 | 13 | PASS |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|---|---|---|---|---|---|---|---|
| | | | | RB1#99 | 4.61 | 13 | PASS |
| | | | | RB50#0 | 5.84 | 13 | PASS |
| | | | | RB50#25 | 5.71 | 13 | PASS |
| | | | | RB50#50 | 5.84 | 13 | PASS |
| | | | | RB100#0 | 6.2 | 13 | PASS |
| | | | MCH | RB1#0 | 5.12 | 13 | PASS |
| | | | | RB1#50 | 5.09 | 13 | PASS |
| | | | | RB1#99 | 5.04 | 13 | PASS |
| | | | | RB50#0 | 6.19 | 13 | PASS |
| | | | | RB50#25 | 6.17 | 13 | PASS |
| | | | | RB50#50 | 6.38 | 13 | PASS |
| | | | | RB100#0 | 6.62 | 13 | PASS |
| | | | HCH | RB1#0 | 4.97 | 13 | PASS |
| | | | | RB1#50 | 5.25 | 13 | PASS |
| | | | | RB1#99 | 4.53 | 13 | PASS |
| | | | | RB50#0 | 5.96 | 13 | PASS |
| | | | | RB50#25 | 6.05 | 13 | PASS |
| | | | | RB50#50 | 6.05 | 13 | PASS |
| | | | | RB100#0 | 6.44 | 13 | PASS |

# 3Appendix_C: Modulation Characteristics

**Part I - Test Plots**

**3.1 For LTE**

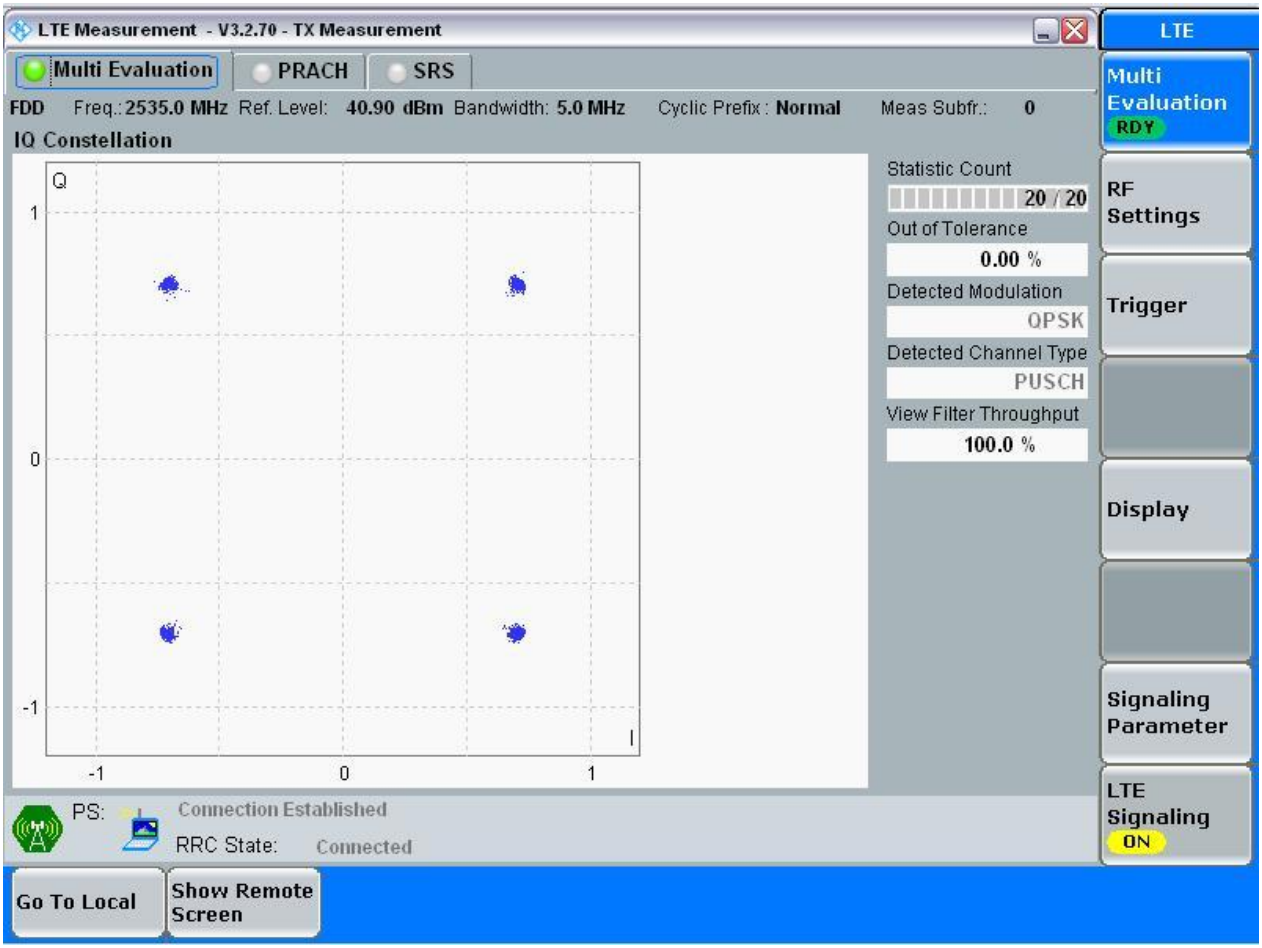
**3.1.1 Test Band = BAND7**

**3.1.1.1 Test Mode = LTE/TM1**

**3.1.1.1.1 Test Bandwidth = 5**

**3.1.1.1.1.1 Test Channel = MCH**

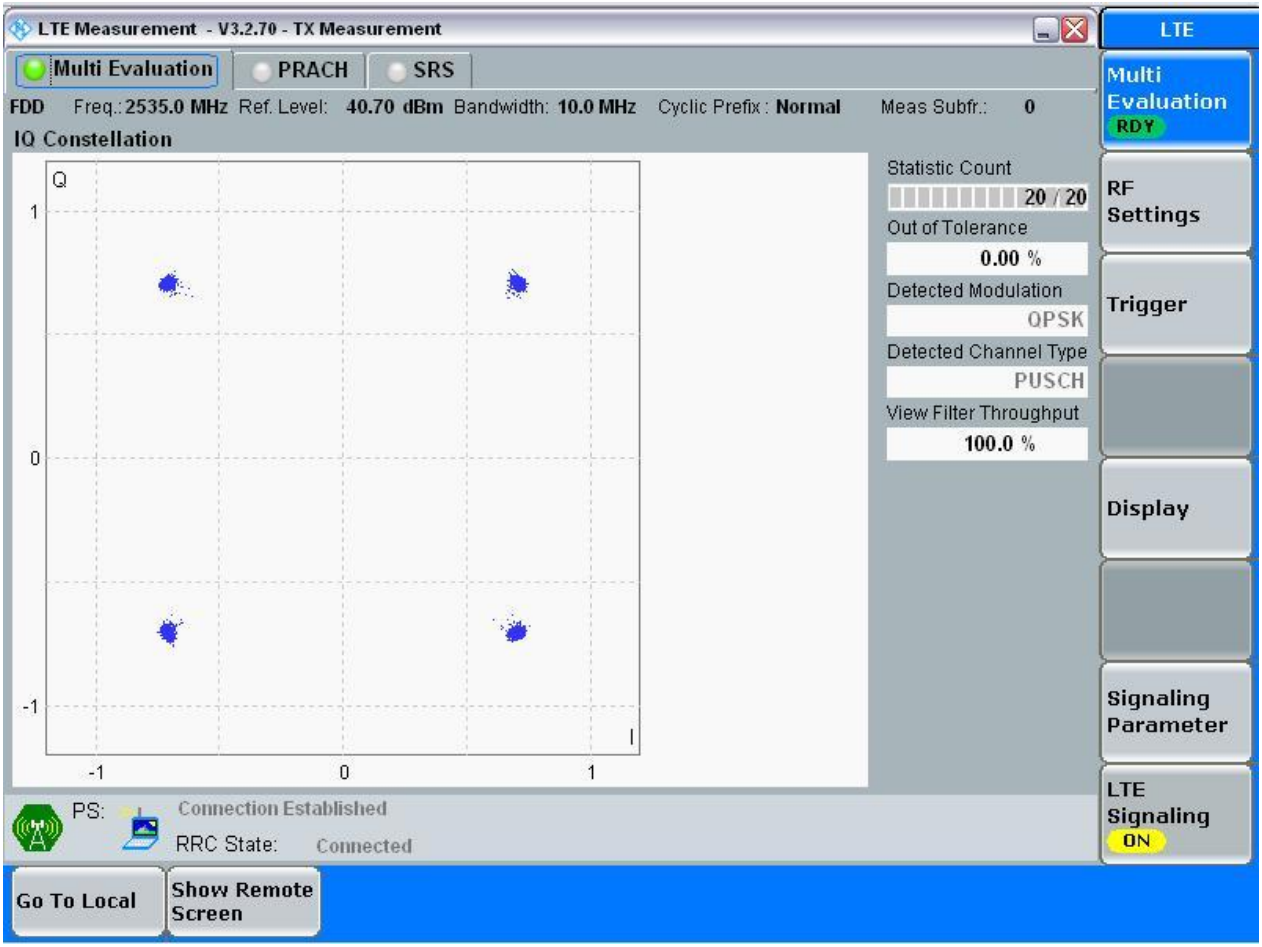
**3.1.1.1.1.1.1 Test RB = RB25#0**



### 3.1.1.1.2 Test Bandwidth = 10

#### 3.1.1.1.2.1 Test Channel = MCH

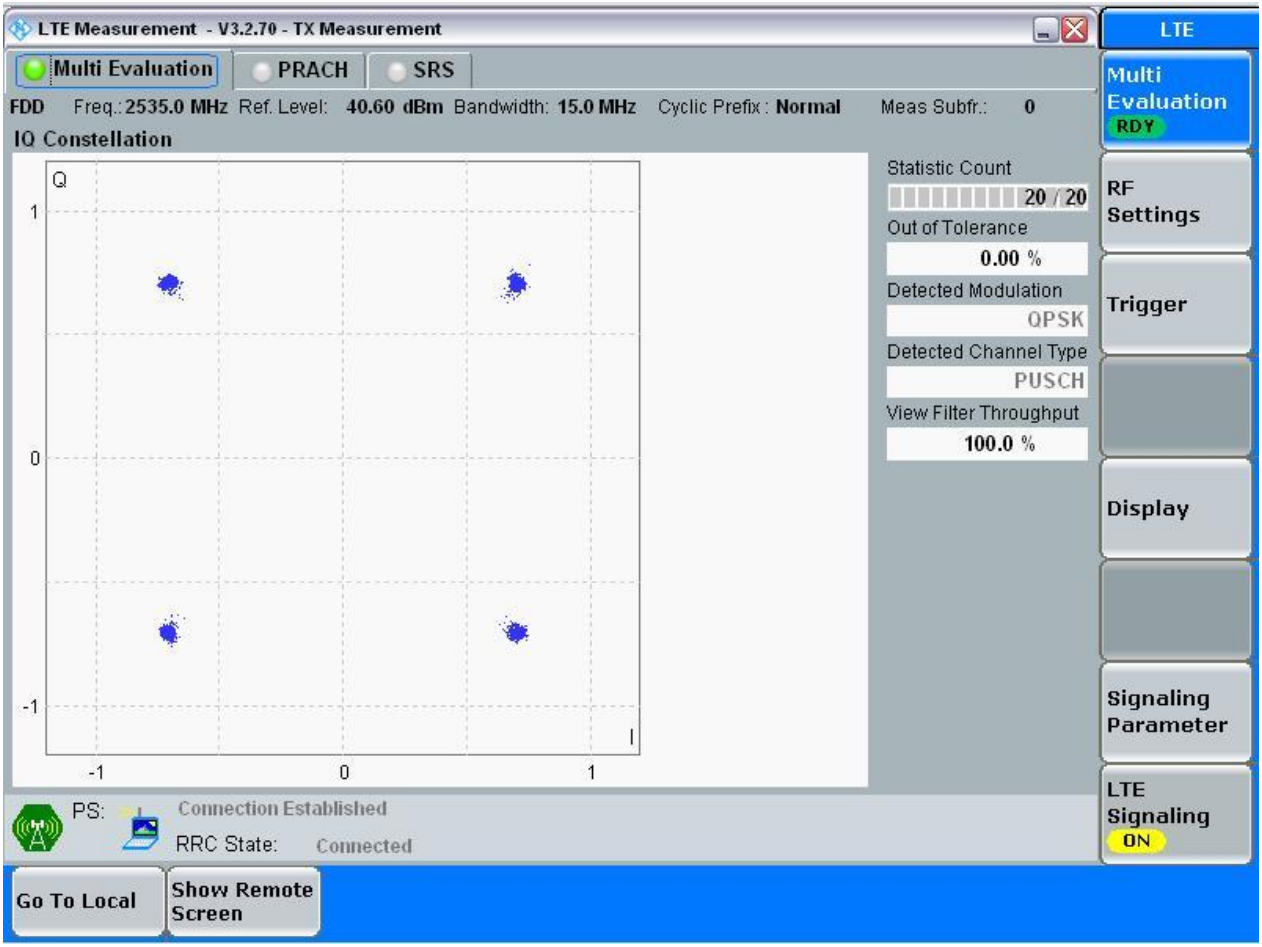
##### 3.1.1.1.2.1.1 Test RB = RB50#0



#### 3.1.1.1.3 Test Bandwidth = 15

##### 3.1.1.1.3.1 Test Channel = MCH

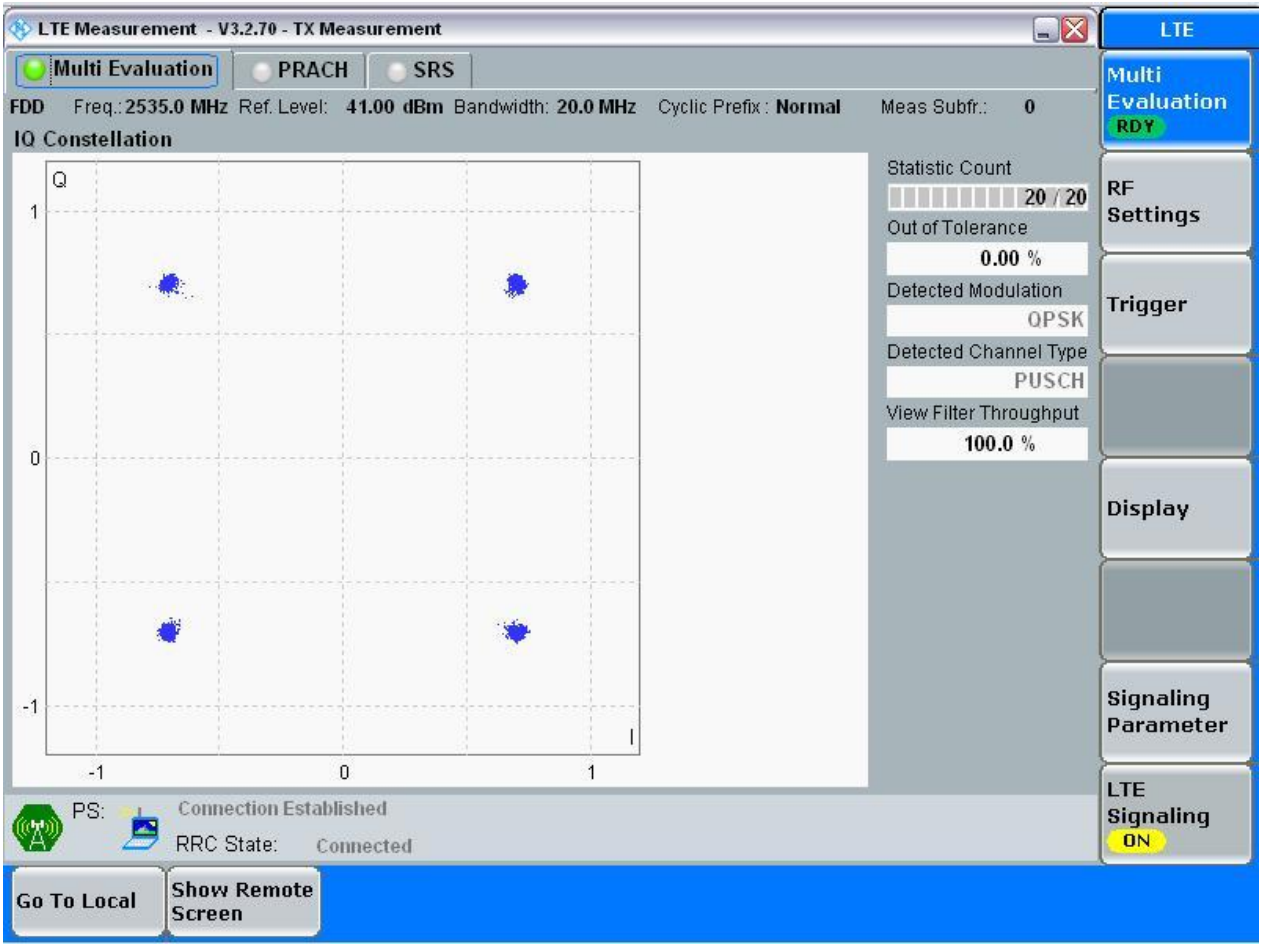
###### 3.1.1.1.3.1.1 Test RB = RB75#0



#### 3.1.1.1.4 Test Bandwidth = 20

##### 3.1.1.1.4.1 Test Channel = MCH

###### 3.1.1.1.4.1.1 Test RB = RB100#0

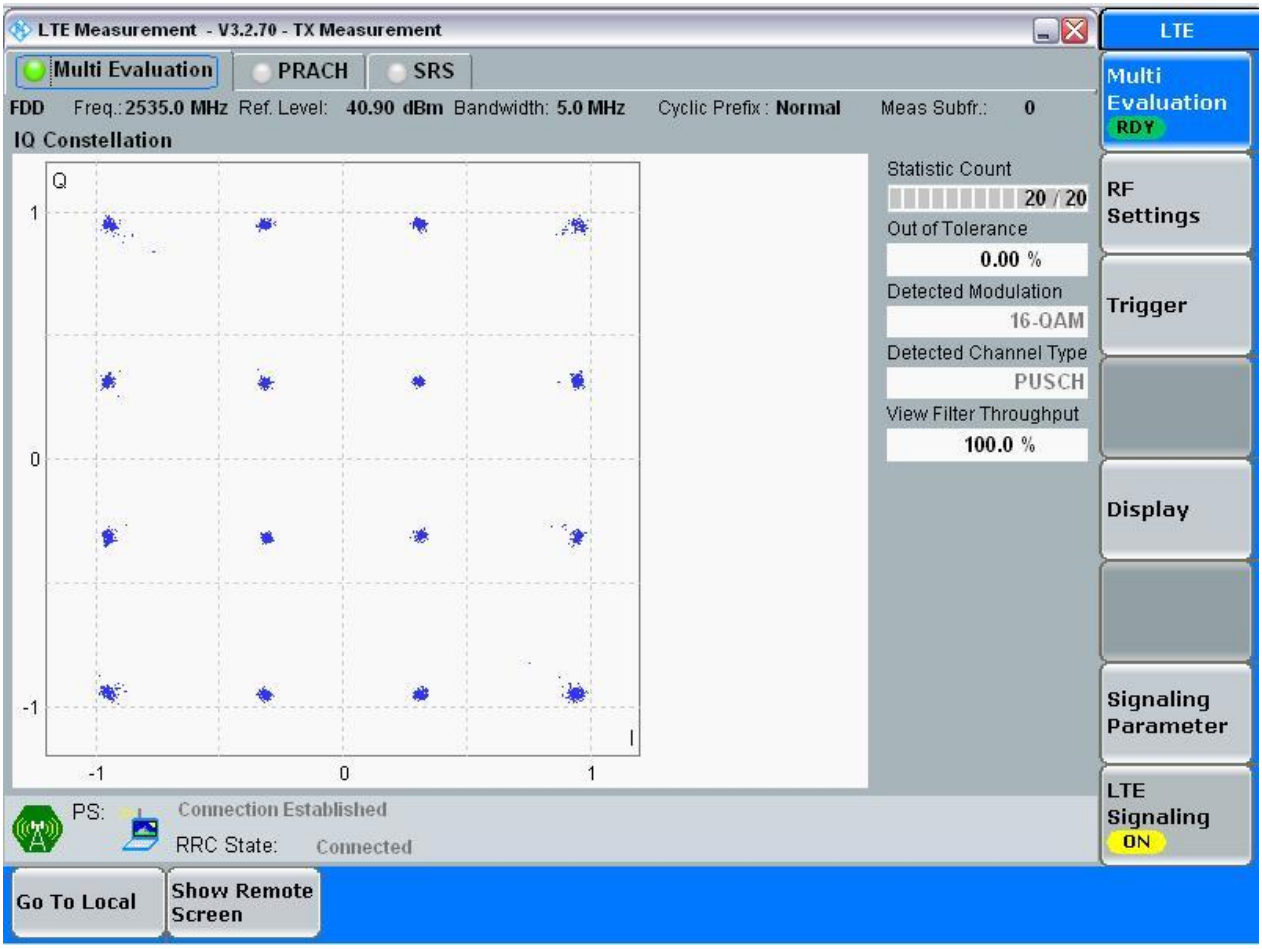


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 5

##### 3.1.1.2.1.1 Test Channel = MCH

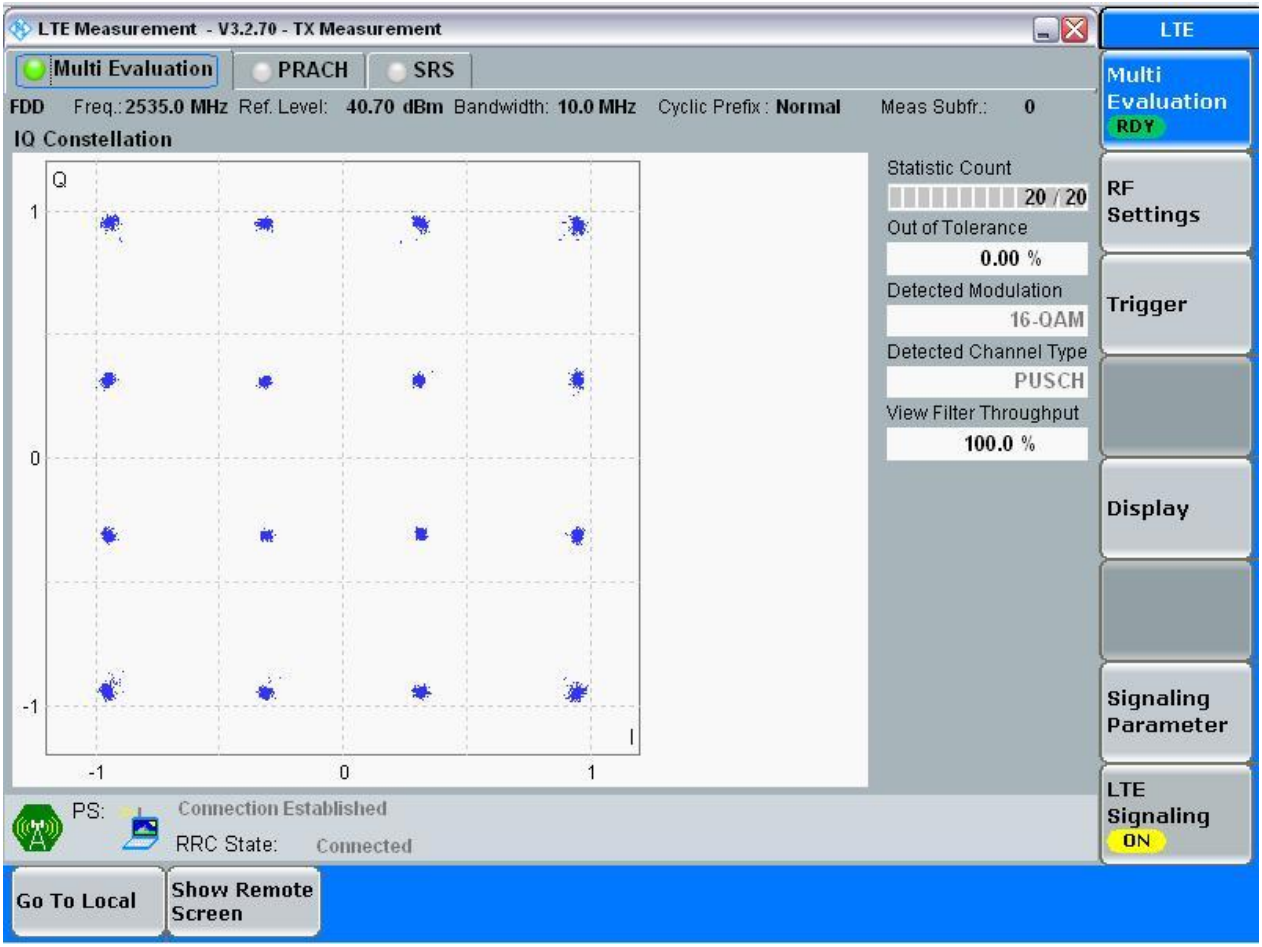
###### 3.1.1.2.1.1.1 Test RB = RB25#0



### 3.1.1.2.2 Test Bandwidth = 10

#### 3.1.1.2.2.1 Test Channel = MCH

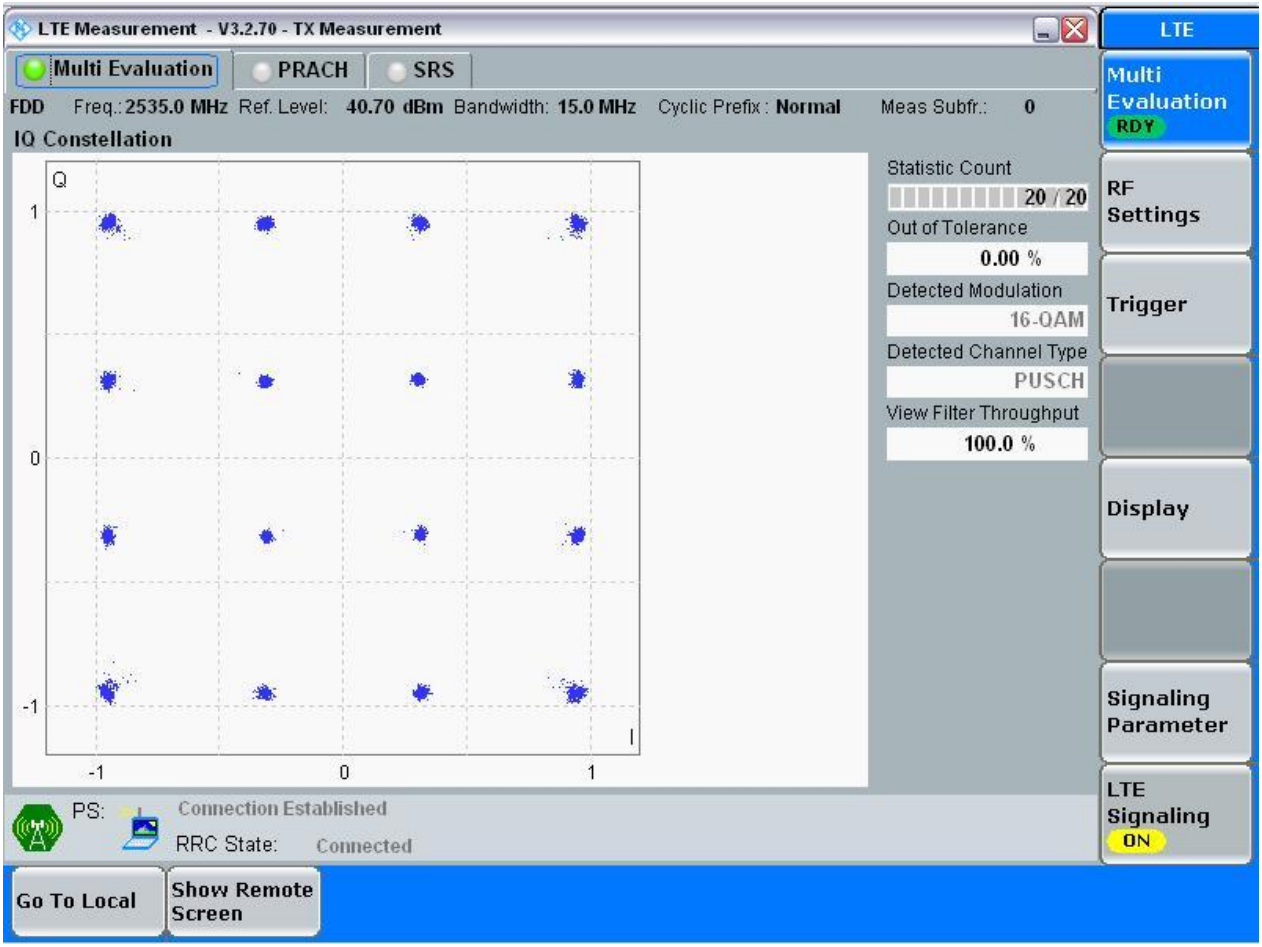
##### 3.1.1.2.2.1.1 Test RB = RB50#0



### 3.1.1.2.3 Test Bandwidth = 15

#### 3.1.1.2.3.1 Test Channel = MCH

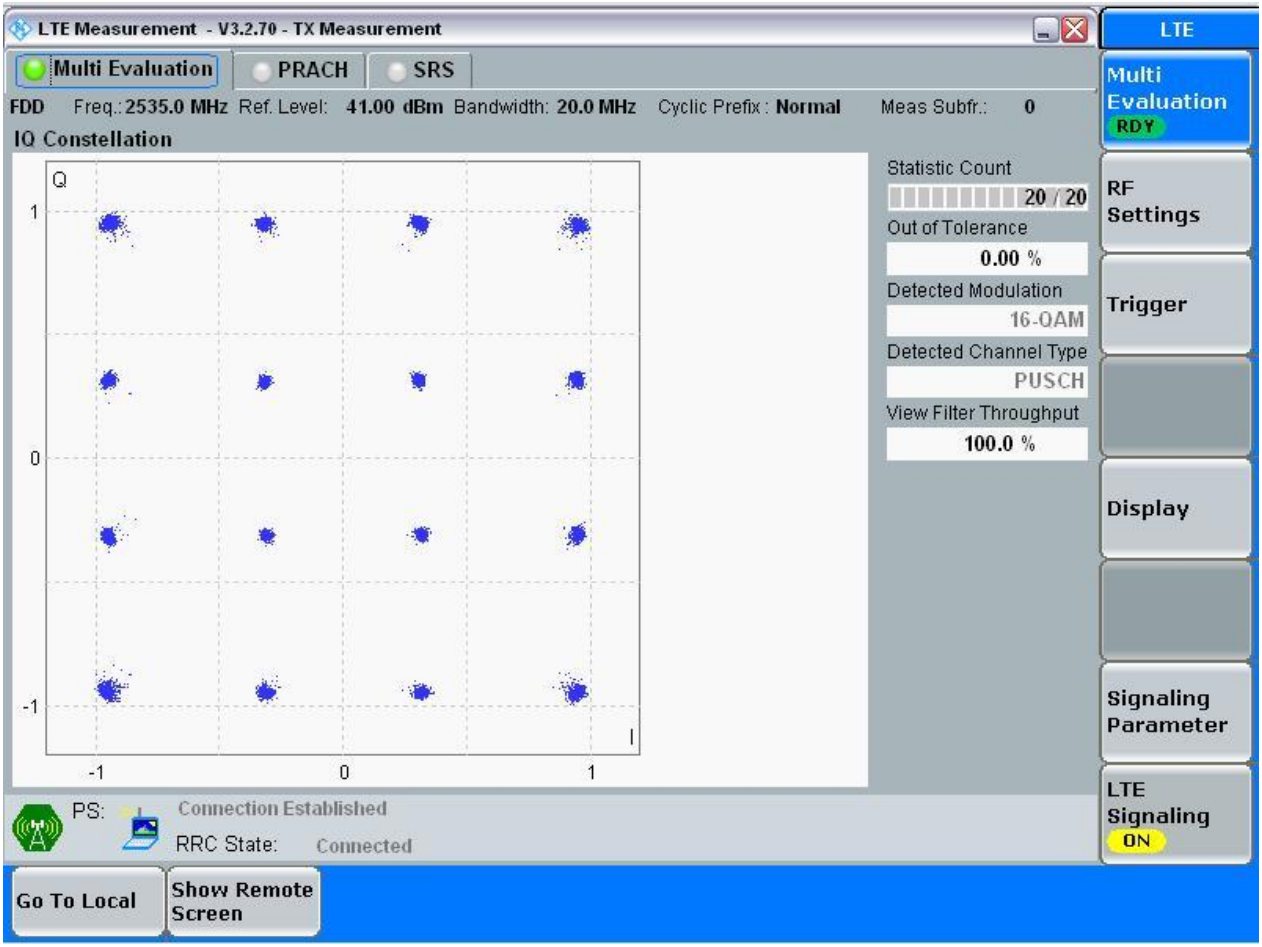
##### 3.1.1.2.3.1.1 Test RB = RB75#0



### 3.1.1.2.4 Test Bandwidth = 20

#### 3.1.1.2.4.1 Test Channel = MCH

##### 3.1.1.2.4.1.1 Test RB = RB100#0



# 4Appendix_D: Bandwidth

**Part I - Test Results**

| Test Band | Test Mode | Test Bandwidth | Test Channel | Test RB | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| BAND7 | LTE/TM1 | 5 | LCH | RB25#0 | 4.51 | 4.99 | Pass |
| | | | MCH | RB25#0 | 4.53 | 4.96 | Pass |
| | | | HCH | RB25#0 | 4.51 | 4.96 | Pass |
| | | 10 | LCH | RB50#0 | 9.00 | 9.98 | Pass |
| | | | MCH | RB50#0 | 9.00 | 9.90 | Pass |
| | | | HCH | RB50#0 | 9.01 | 9.92 | Pass |
| | | 15 | LCH | RB75#0 | 13.47 | 15.04 | Pass |
| | | | MCH | RB75#0 | 13.51 | 15.07 | Pass |
| | | | HCH | RB75#0 | 13.53 | 14.99 | Pass |
| | | 20 | LCH | RB100#0 | 18.00 | 19.82 | Pass |
| | | | MCH | RB100#0 | 18.01 | 19.90 | Pass |
| | | | HCH | RB100#0 | 17.96 | 19.75 | Pass |
| | LTE/TM2 | 5 | LCH | RB25#0 | 4.53 | 4.99 | Pass |
| | | | MCH | RB25#0 | 4.53 | 5.01 | Pass |
| | | | HCH | RB25#0 | 4.53 | 4.98 | Pass |
| | | 10 | LCH | RB50#0 | 9.03 | 9.99 | Pass |
| | | | MCH | RB50#0 | 9.01 | 9.93 | Pass |
| | | | HCH | RB50#0 | 8.99 | 9.93 | Pass |
| | | 15 | LCH | RB75#0 | 13.48 | 15.01 | Pass |
| | | | MCH | RB75#0 | 13.49 | 14.99 | Pass |
| | | | HCH | RB75#0 | 13.49 | 15.01 | Pass |
| | | 20 | LCH | RB100#0 | 18.05 | 19.84 | Pass |
| | | | MCH | RB100#0 | 18.00 | 19.87 | Pass |
| | | | HCH | RB100#0 | 17.94 | 19.78 | Pass |

**Part II - Test Plots**

**4.1 For LTE**

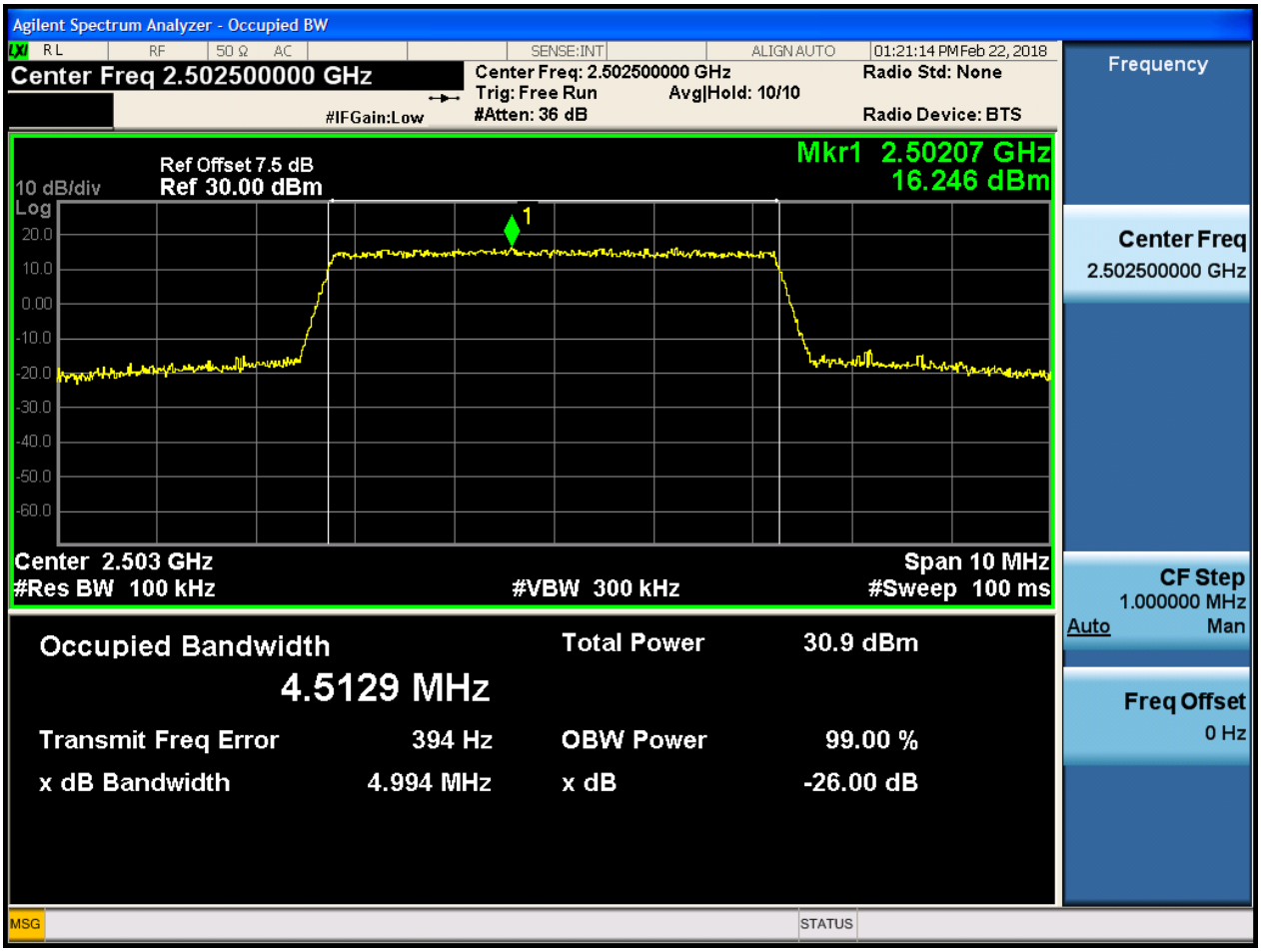
**4.1.1 Test Band = BAND7**

**4.1.1.1 Test Mode = LTE/TM1**

**4.1.1.1.1 Test Bandwidth = 5**

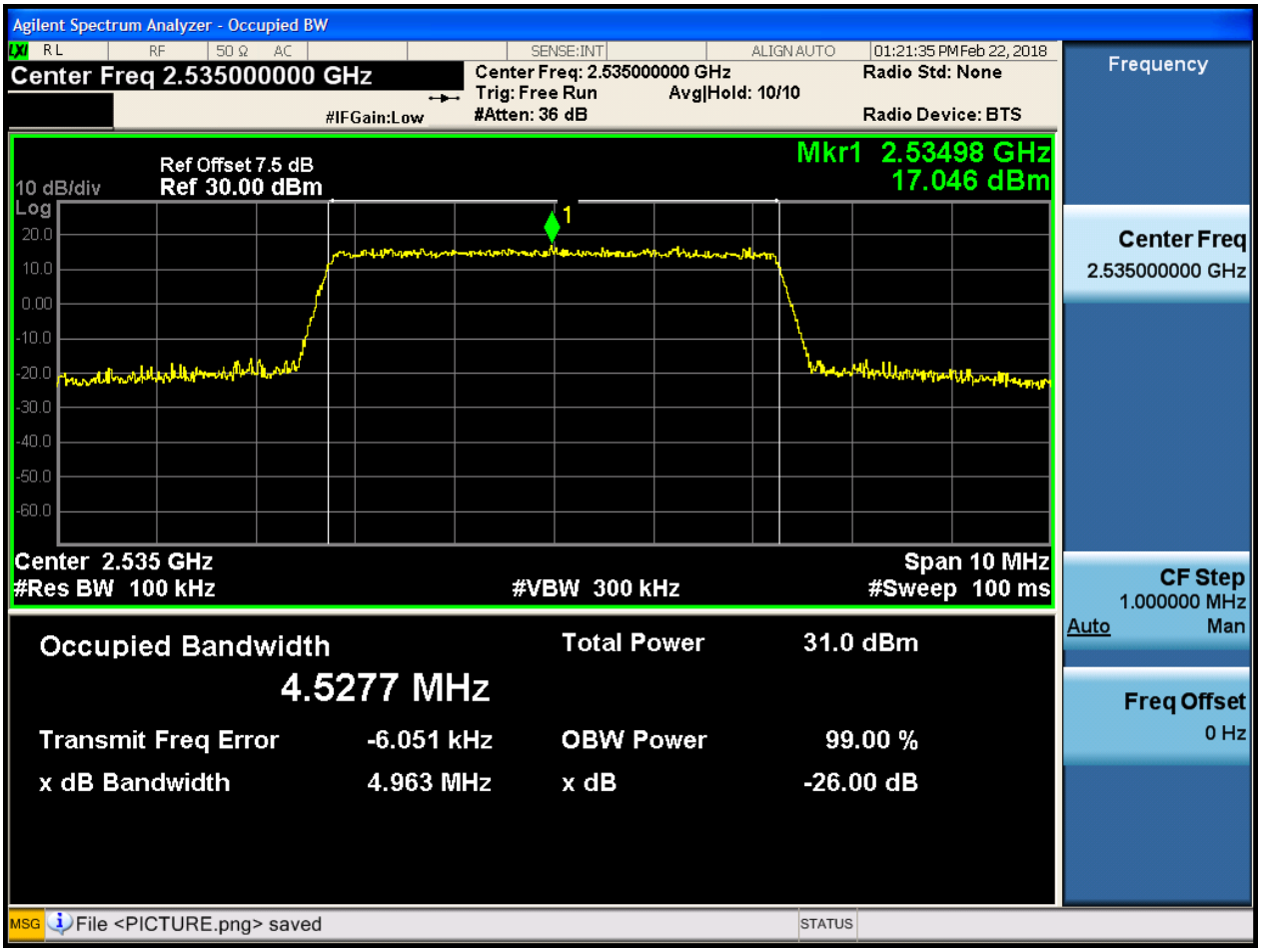
**4.1.1.1.1.1 Test Channel = LCH**

**4.1.1.1.1.1.1 Test RB = RB25#0**



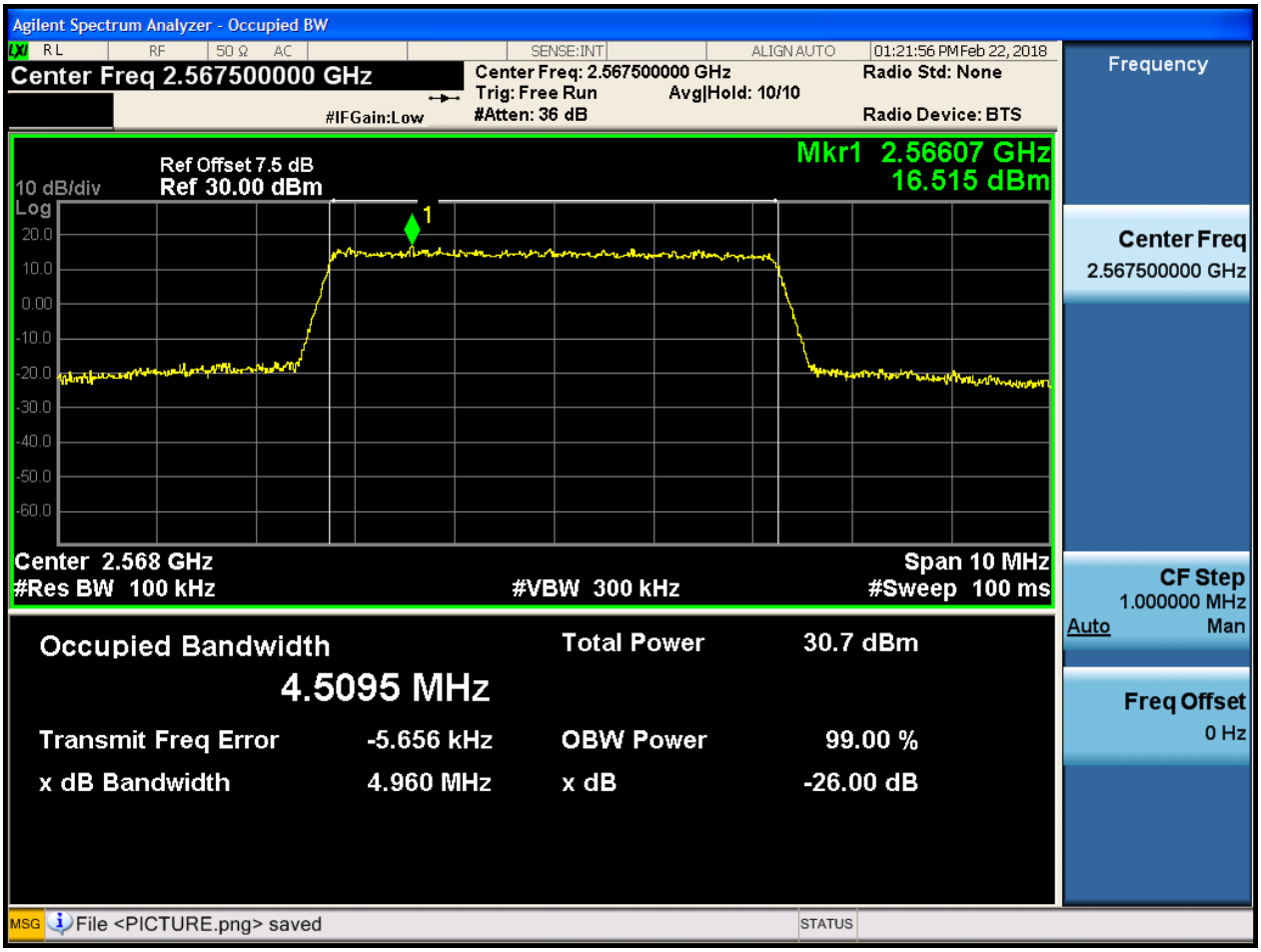
#### 4.1.1.1.1.2 Test Channel = MCH

##### 4.1.1.1.1.2.1 Test RB = RB25#0



#### 4.1.1.1.1.3 Test Channel = HCH

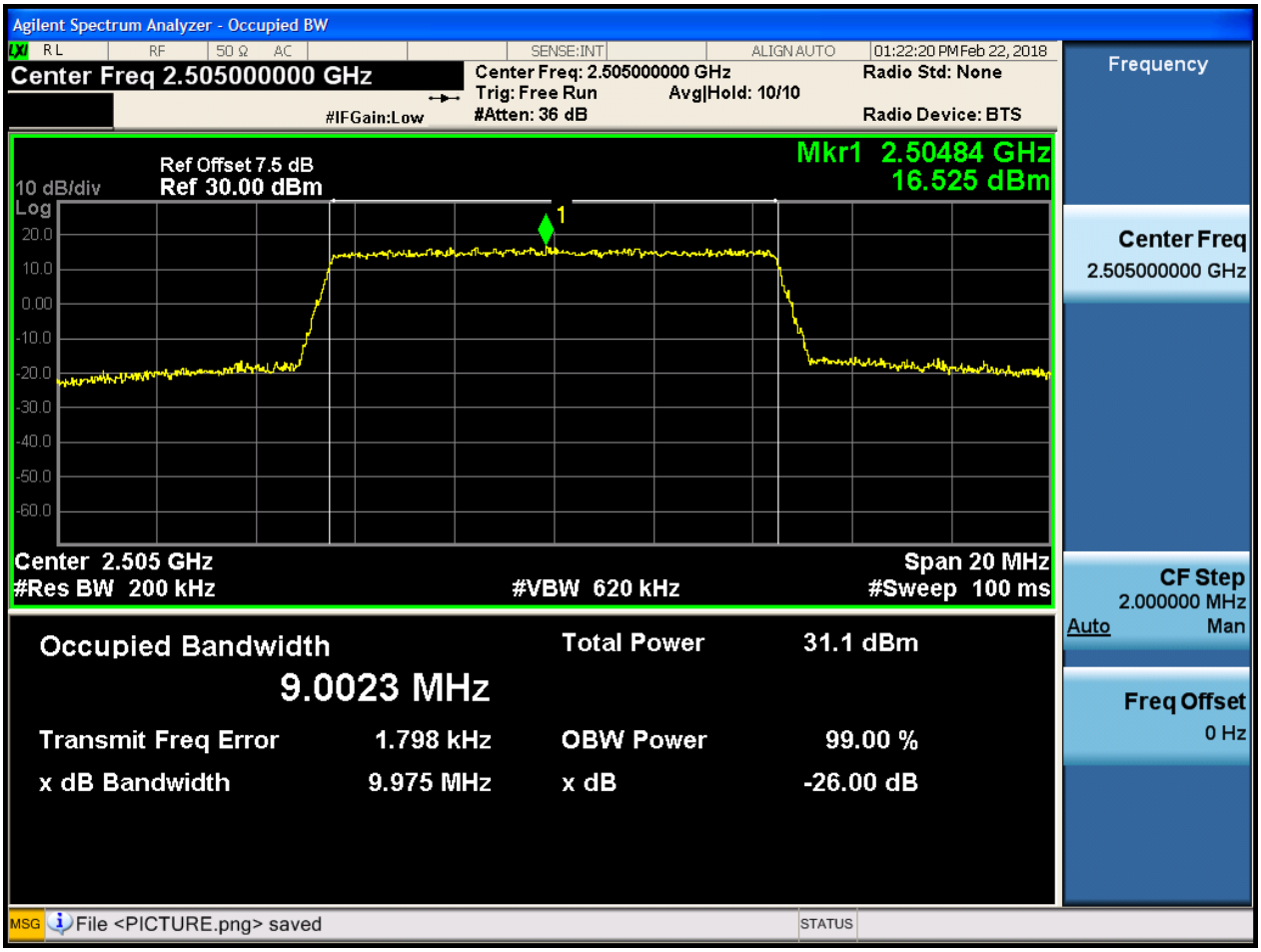
##### 4.1.1.1.1.3.1 Test RB = RB25#0



#### 4.1.1.1.2 Test Bandwidth = 10

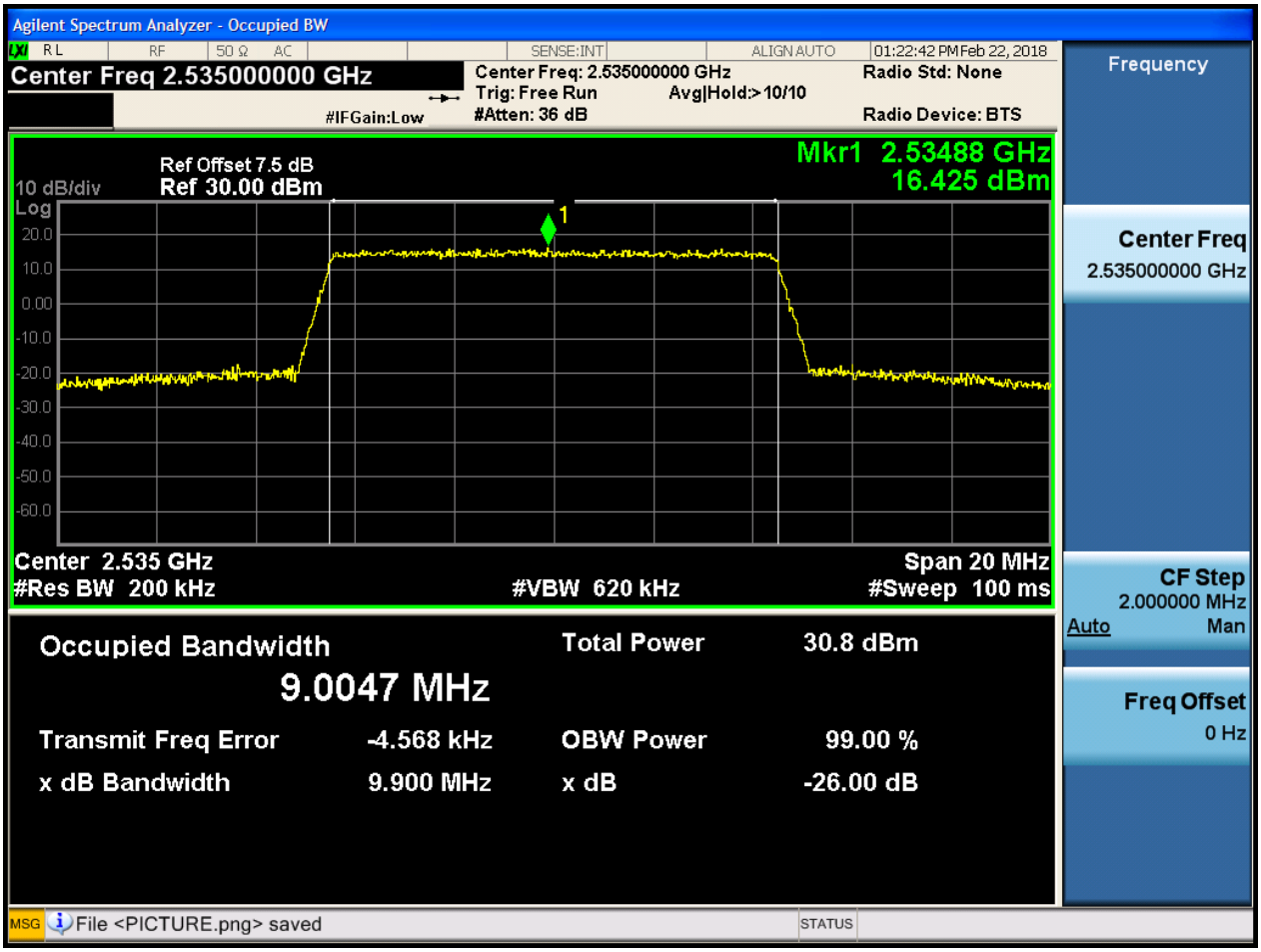
##### 4.1.1.1.2.1 Test Channel = LCH

###### 4.1.1.1.2.1.1 Test RB = RB50#0



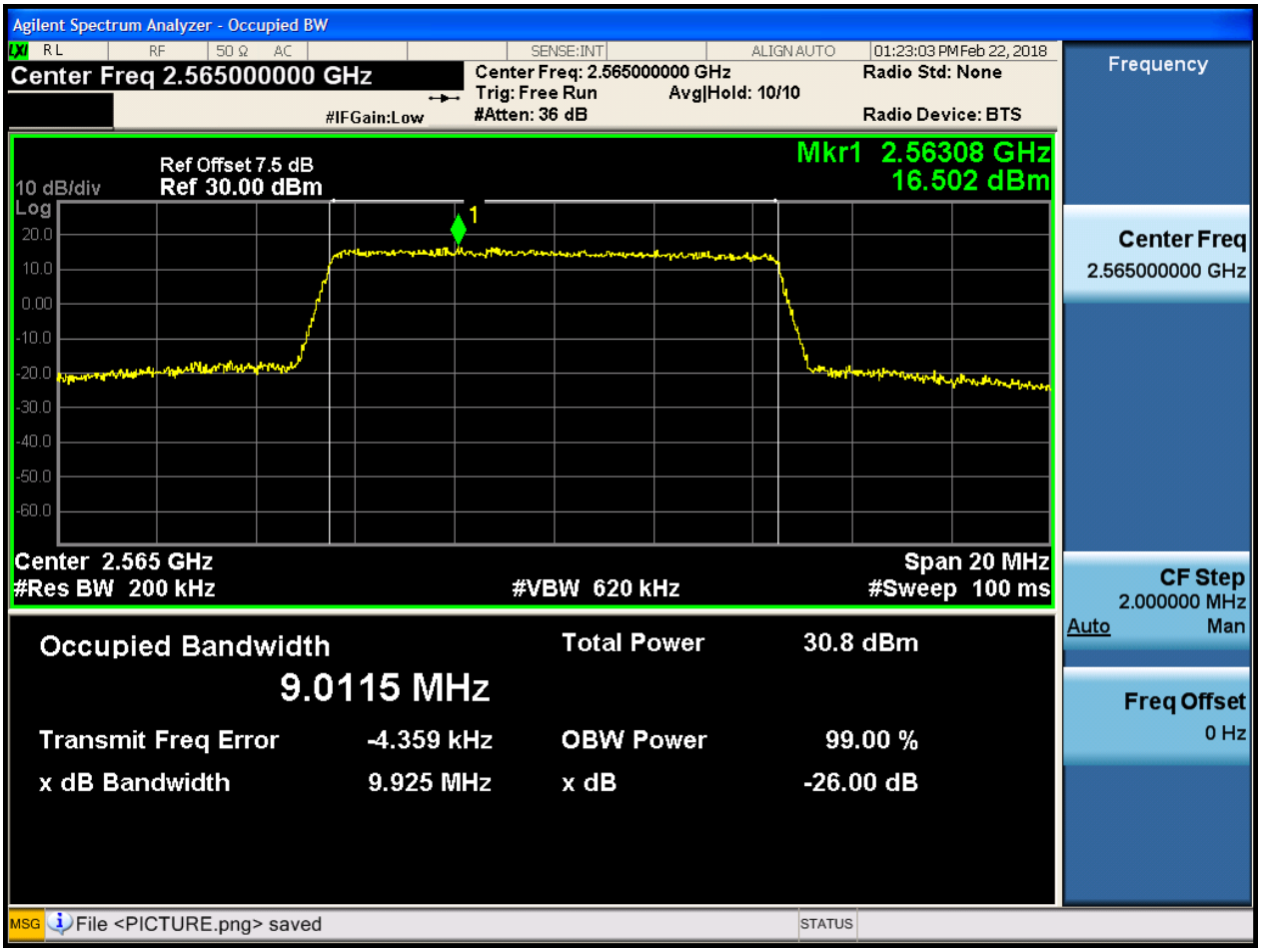
#### 4.1.1.1.2.2 Test Channel = MCH

##### 4.1.1.1.2.2.1 Test RB = RB50#0



#### 4.1.1.1.2.3 Test Channel = HCH

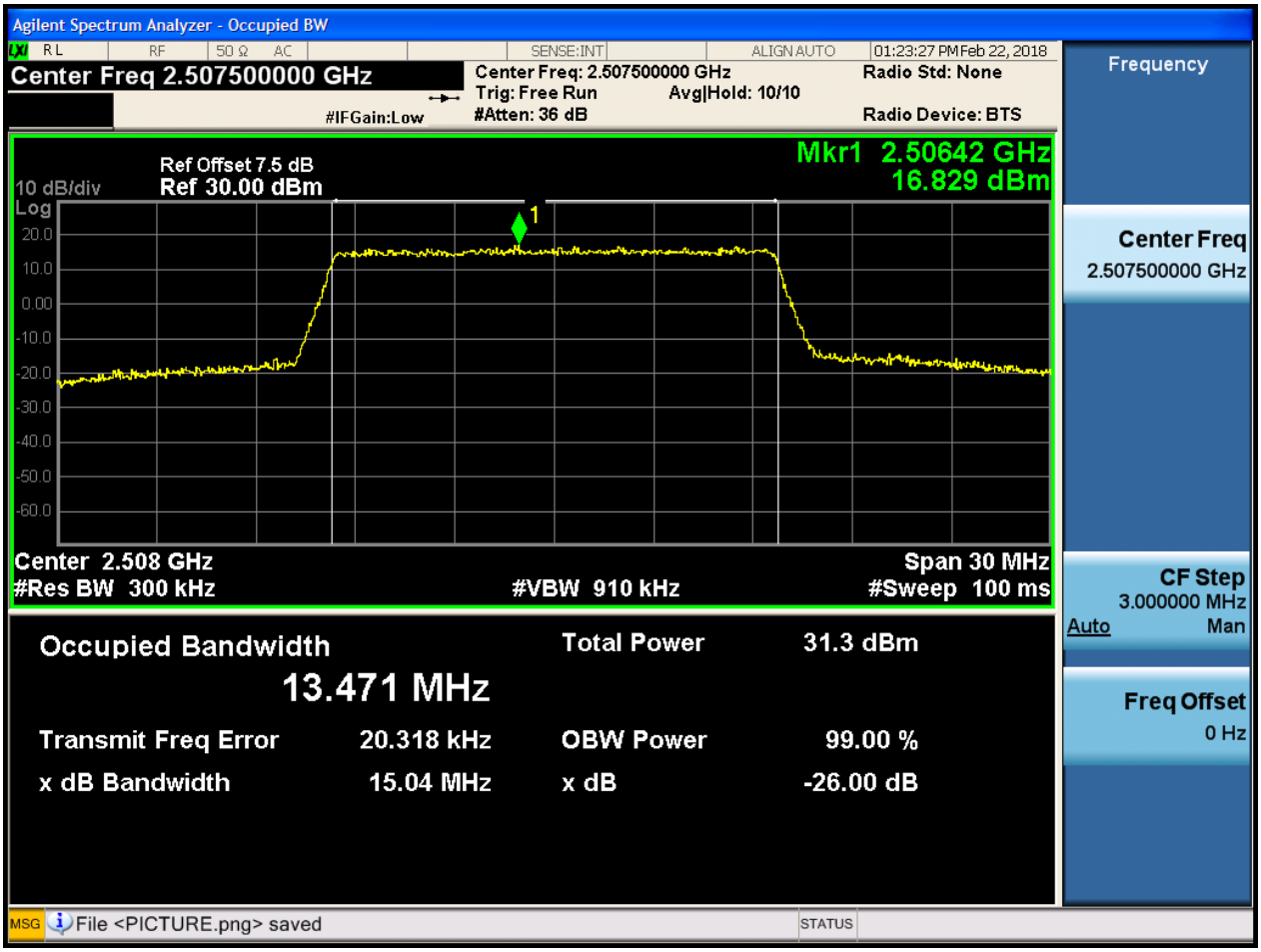
##### 4.1.1.1.2.3.1 Test RB = RB50#0



#### 4.1.1.1.3 Test Bandwidth = 15

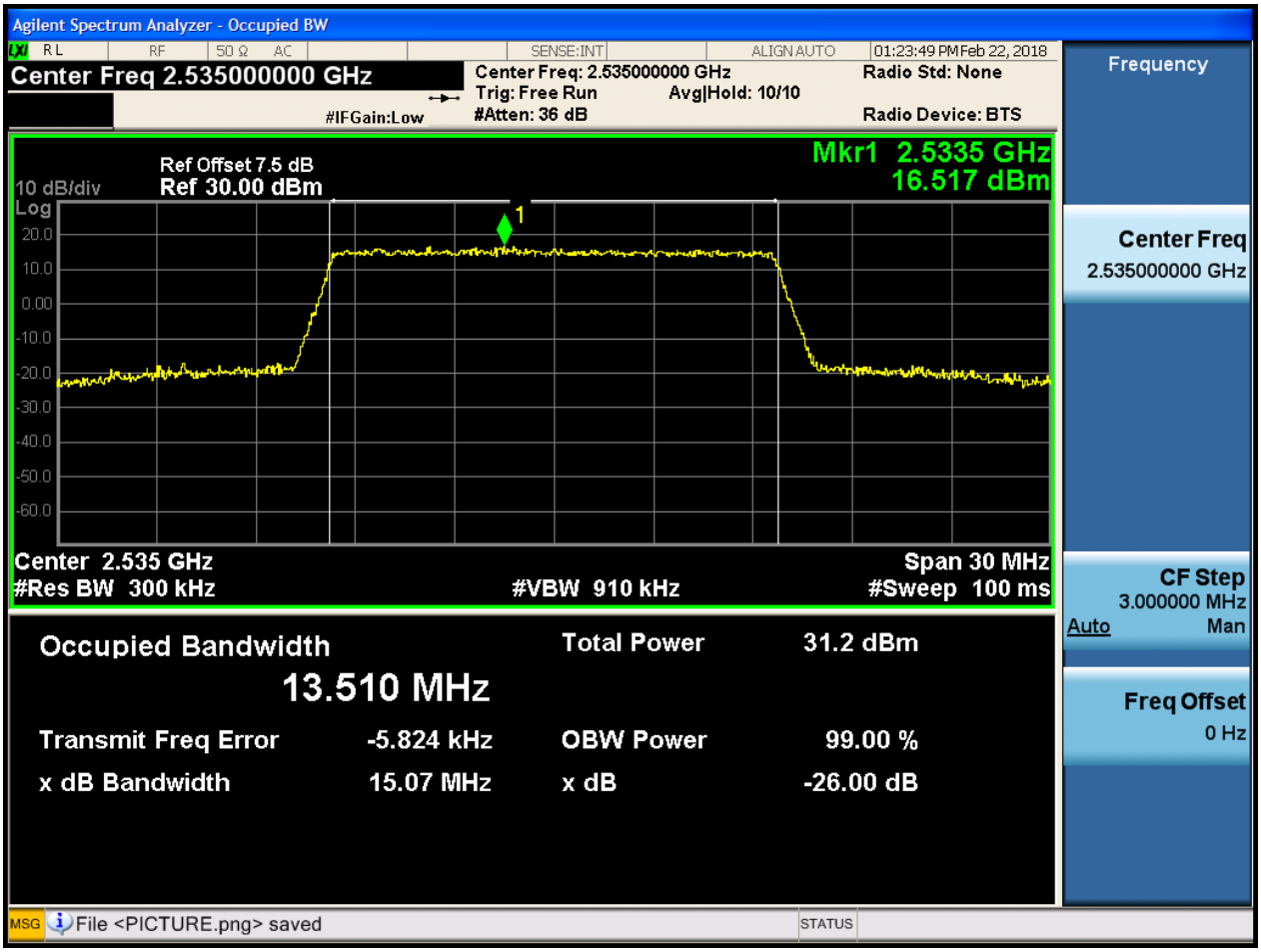
##### 4.1.1.1.3.1 Test Channel = LCH

###### 4.1.1.1.3.1.1 Test RB = RB75#0



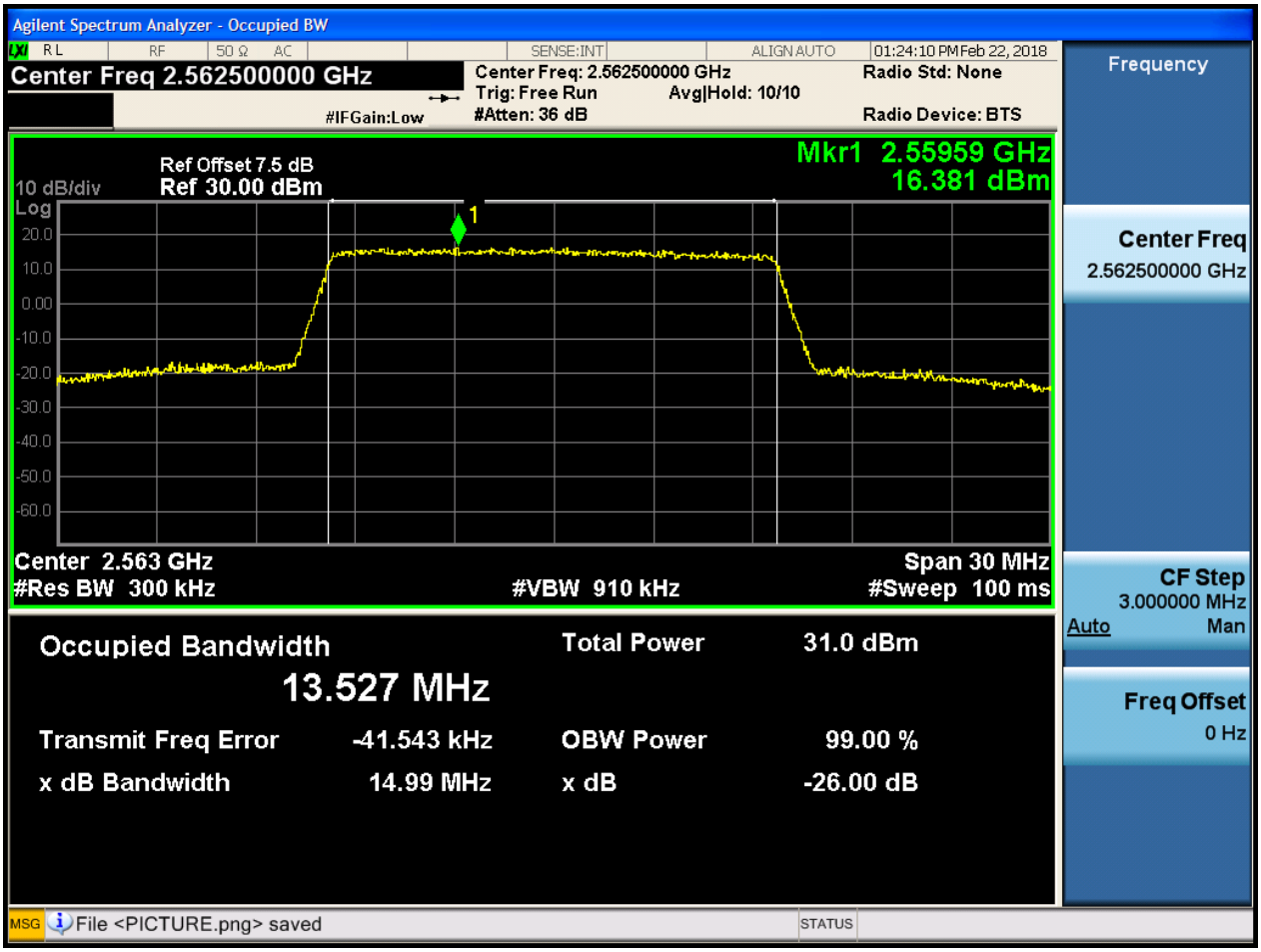
#### 4.1.1.1.3.2 Test Channel = MCH

##### 4.1.1.1.3.2.1 Test RB = RB75#0



#### 4.1.1.1.3.3 Test Channel = HCH

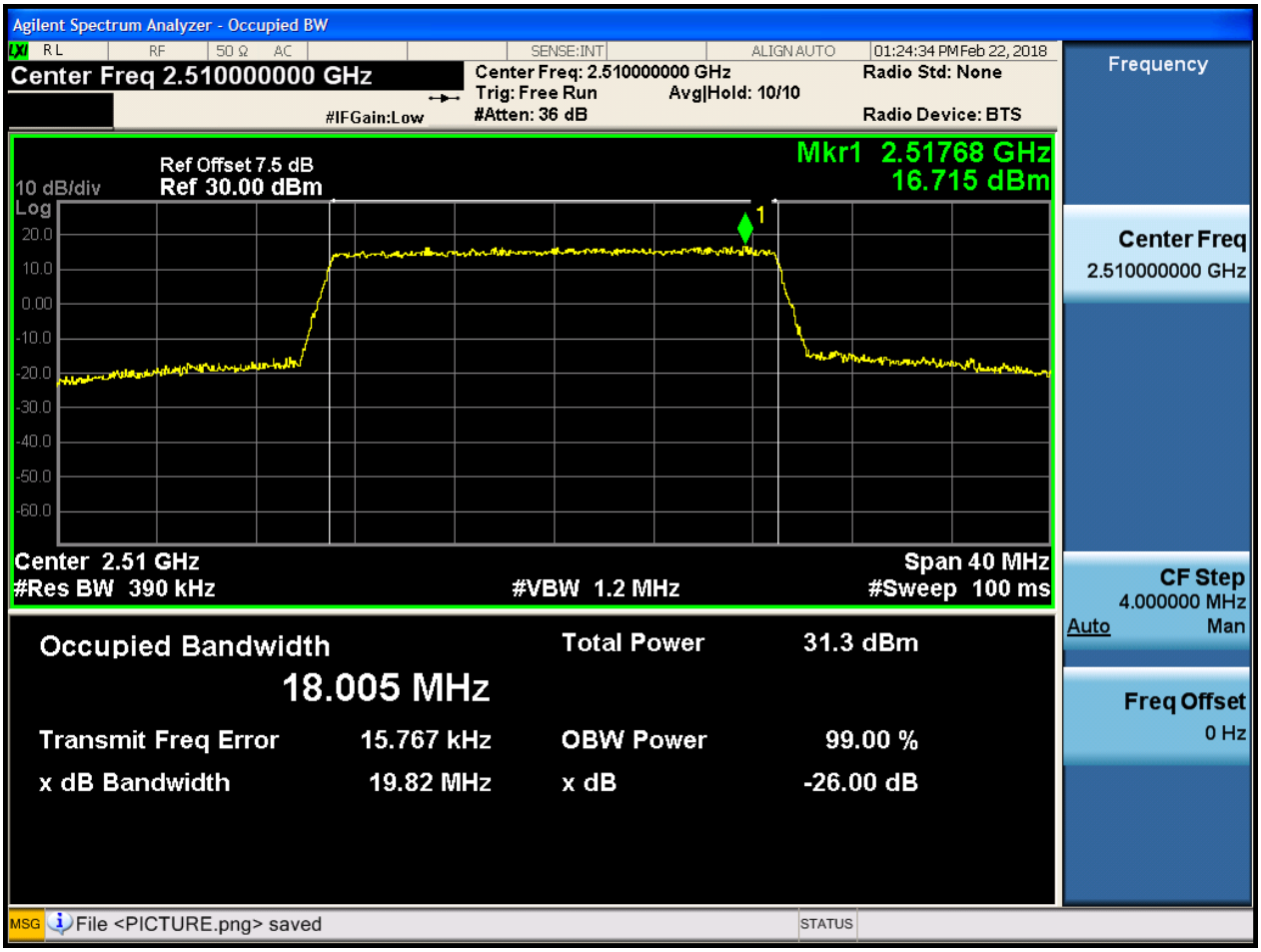
##### 4.1.1.1.3.3.1 Test RB = RB75#0



#### 4.1.1.1.4 Test Bandwidth = 20

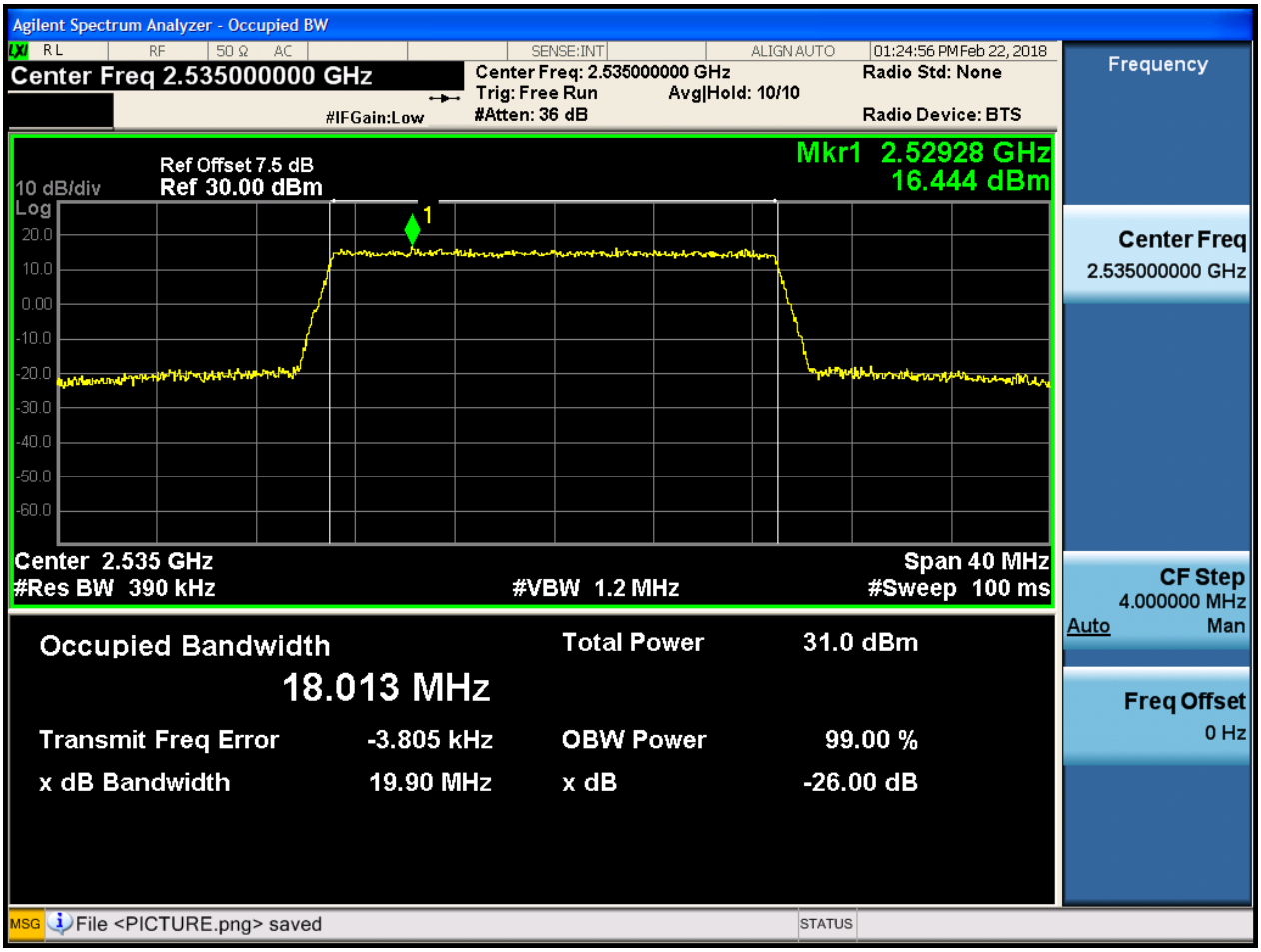
##### 4.1.1.1.4.1 Test Channel = LCH

###### 4.1.1.1.4.1.1 Test RB = RB100#0



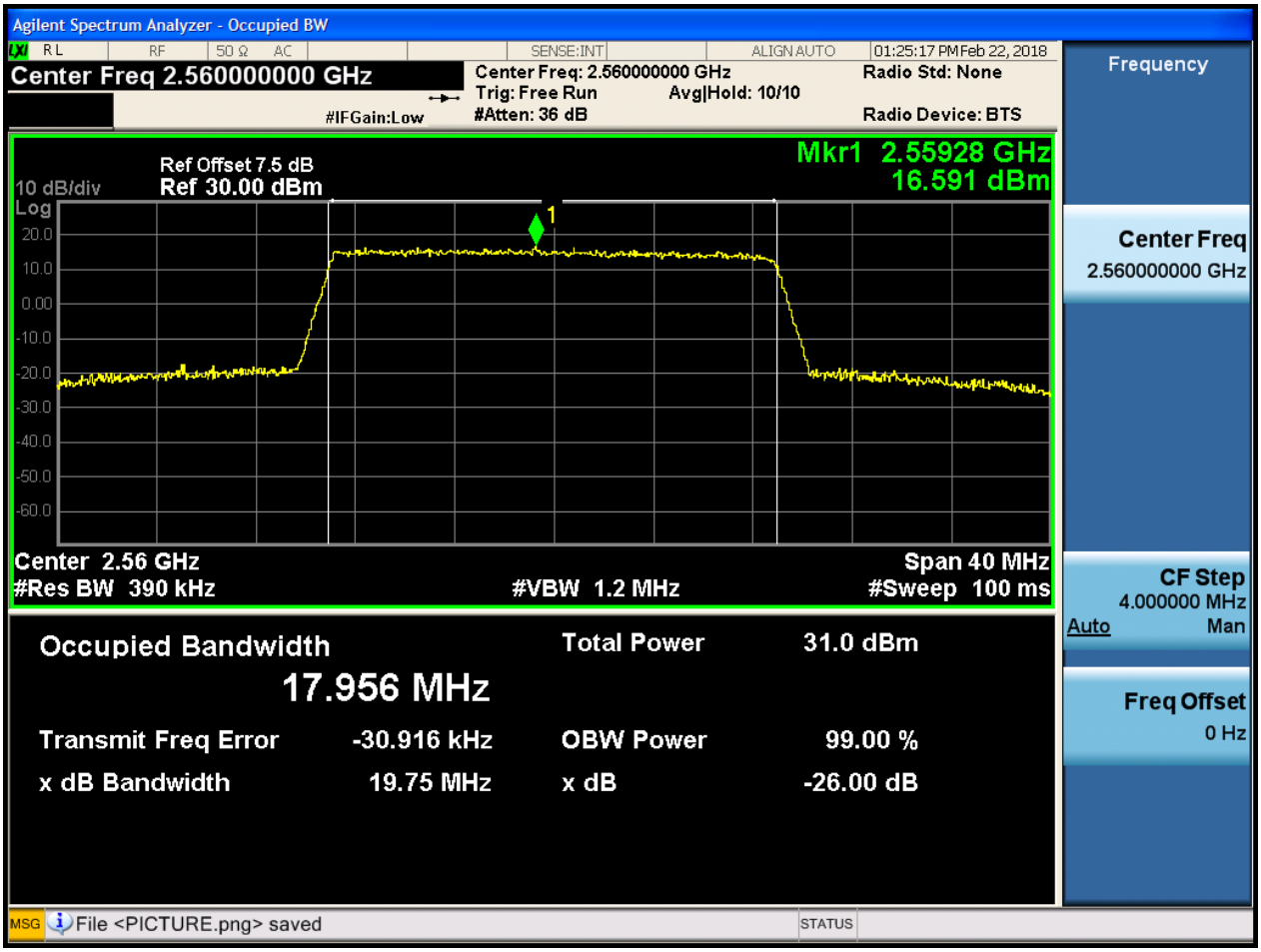
#### 4.1.1.1.4.2 Test Channel = MCH

##### 4.1.1.1.4.2.1 Test RB = RB100#0



#### 4.1.1.1.4.3 Test Channel = HCH

##### 4.1.1.1.4.3.1 Test RB = RB100#0

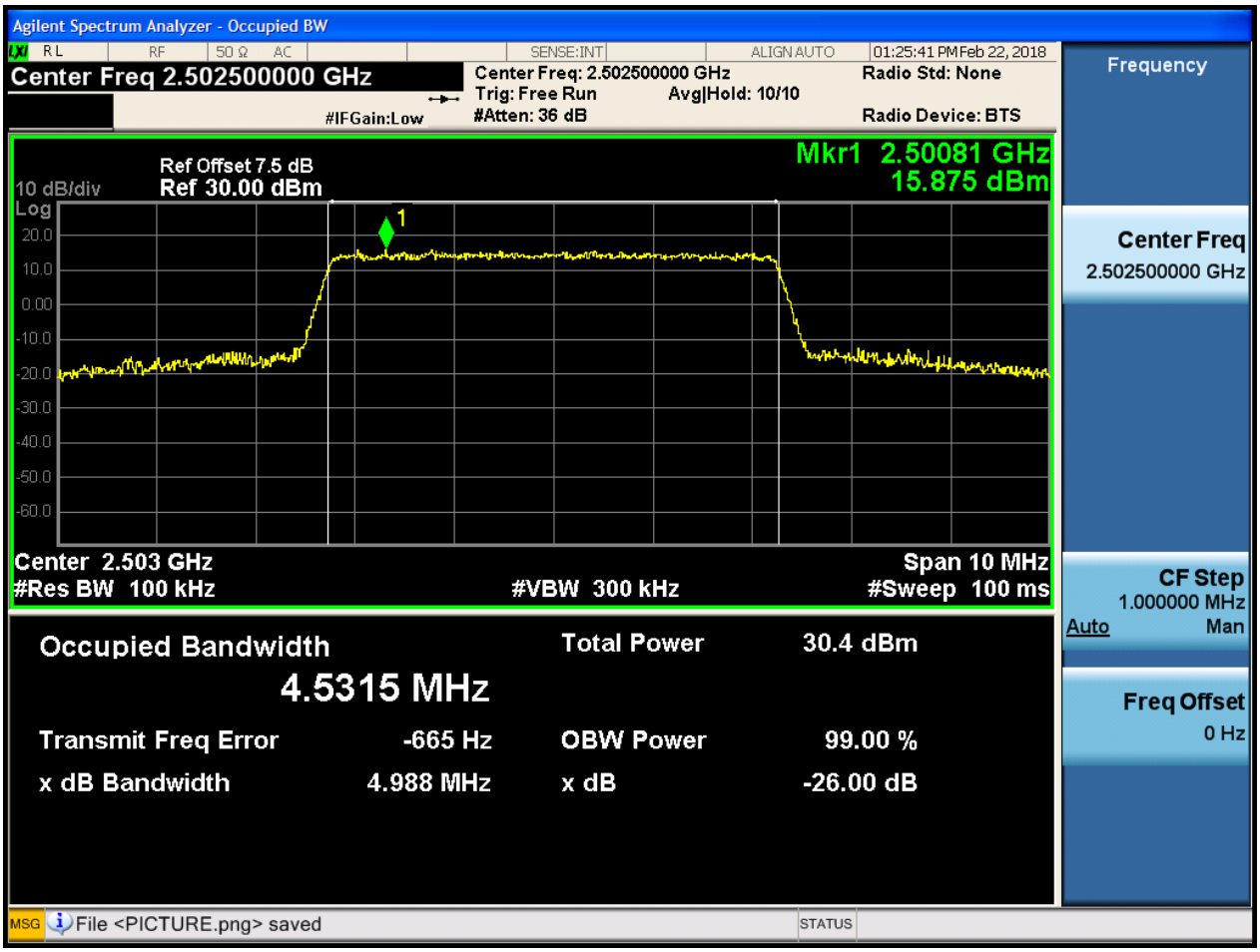


#### 4.1.1.2 Test Mode = LTE/TM2

##### 4.1.1.2.1 Test Bandwidth = 5

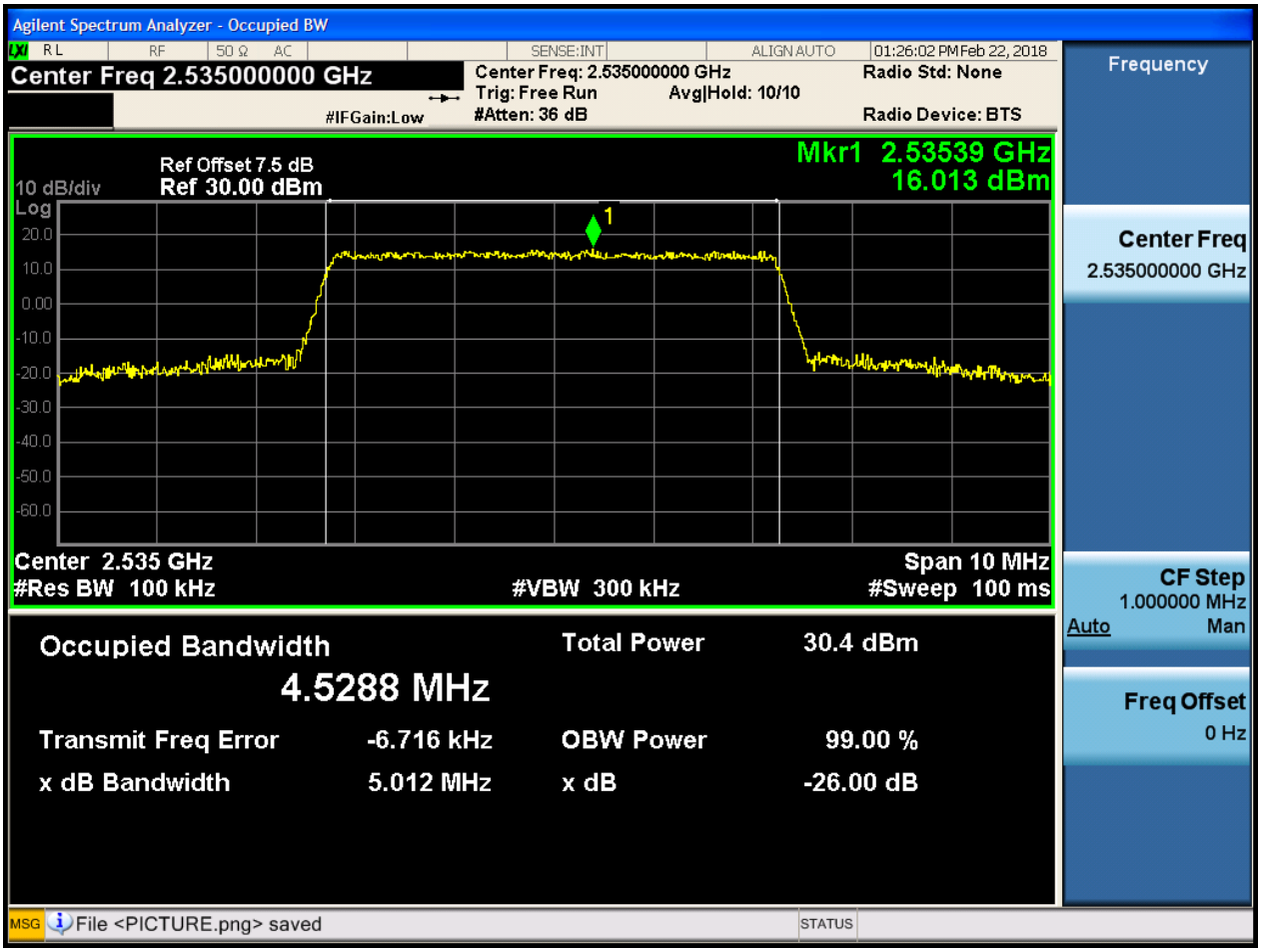
###### 4.1.1.2.1.1 Test Channel = LCH

####### 4.1.1.2.1.1.1 Test RB = RB25#0



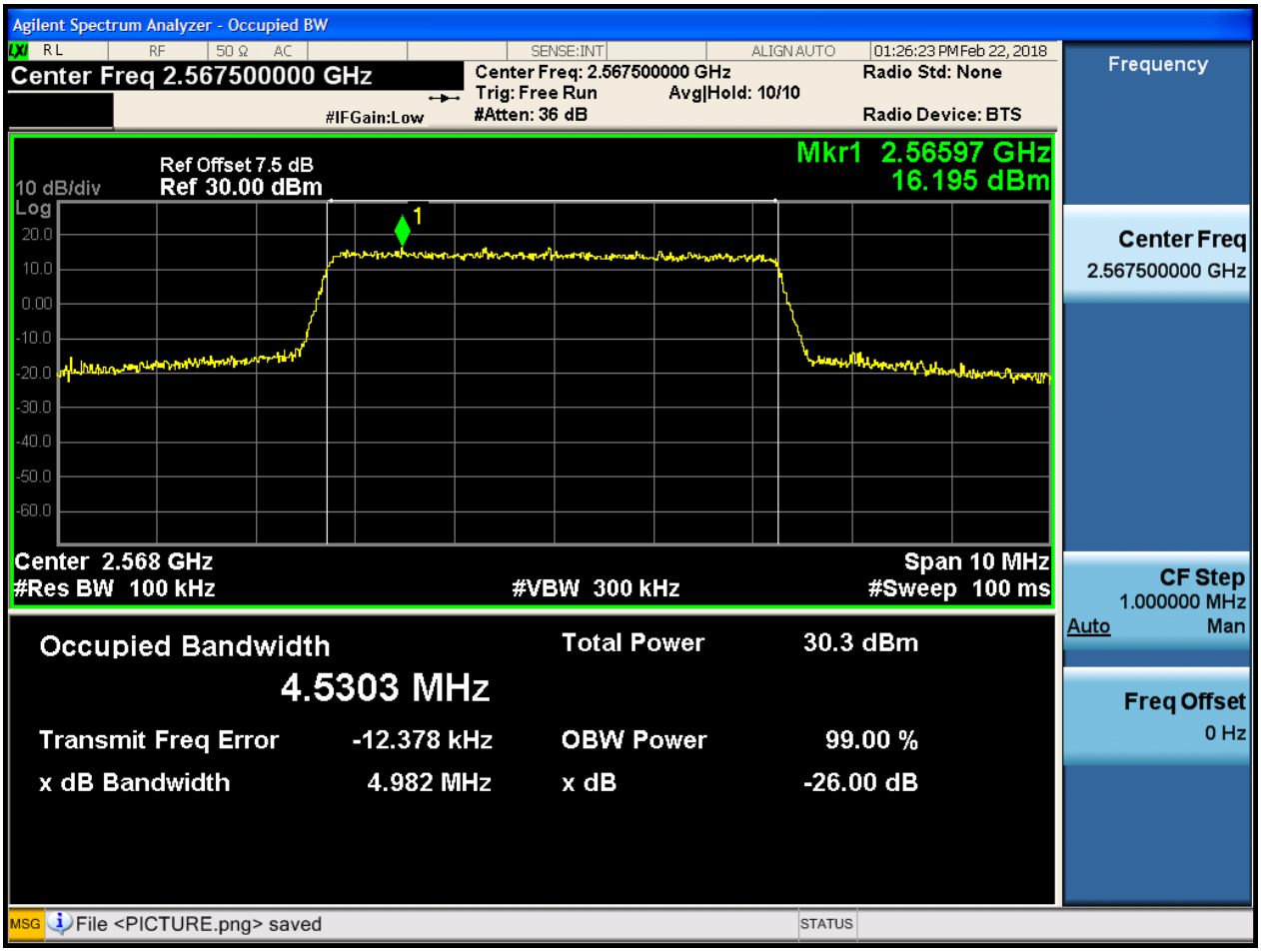
#### 4.1.1.2.1.2 Test Channel = MCH

##### 4.1.1.2.1.2.1 Test RB = RB25#0



#### 4.1.1.2.1.3 Test Channel = HCH

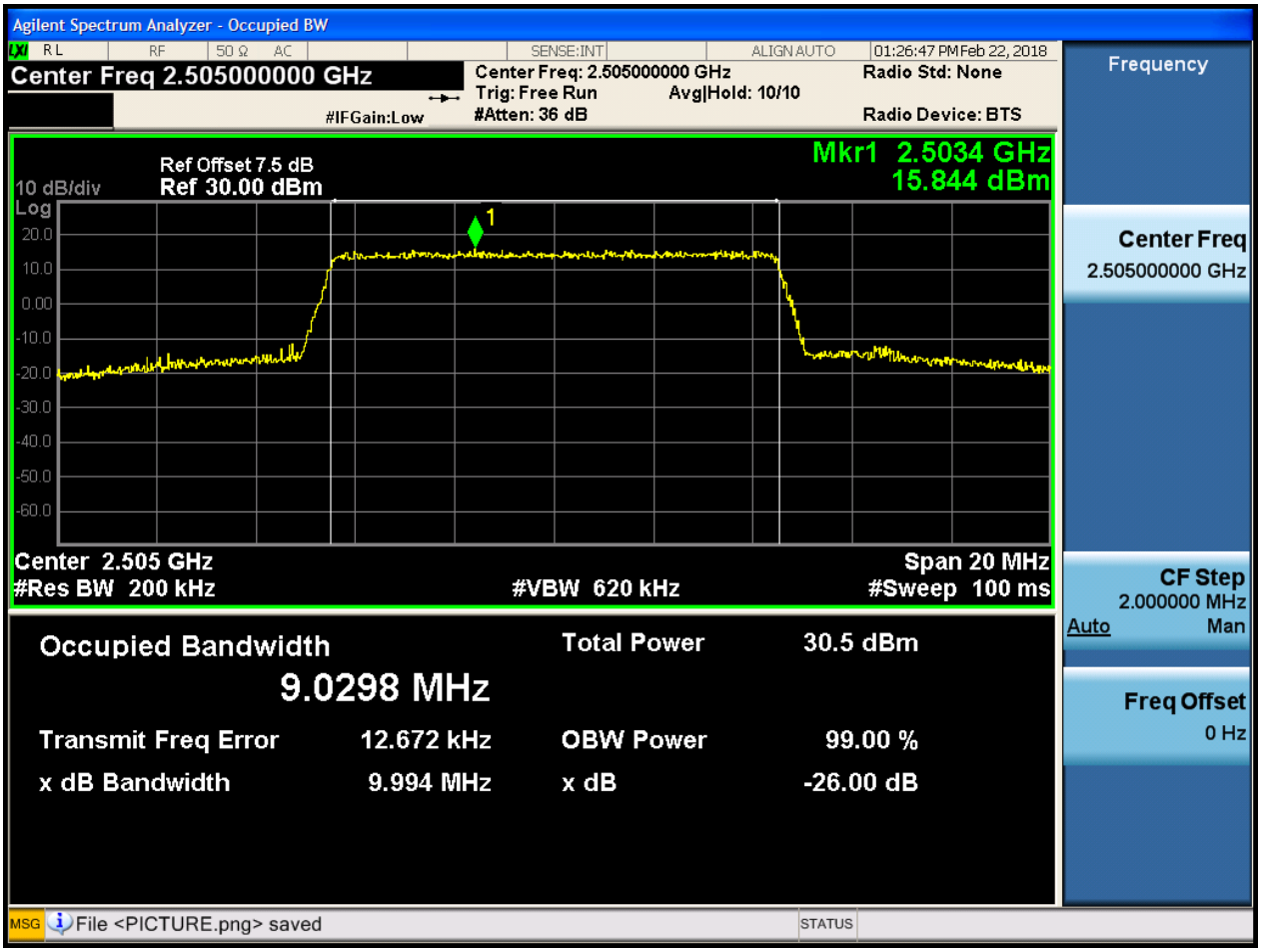
#### 4.1.1.2.1.3.1 Test RB = RB25#0



#### 4.1.1.2.2 Test Bandwidth = 10

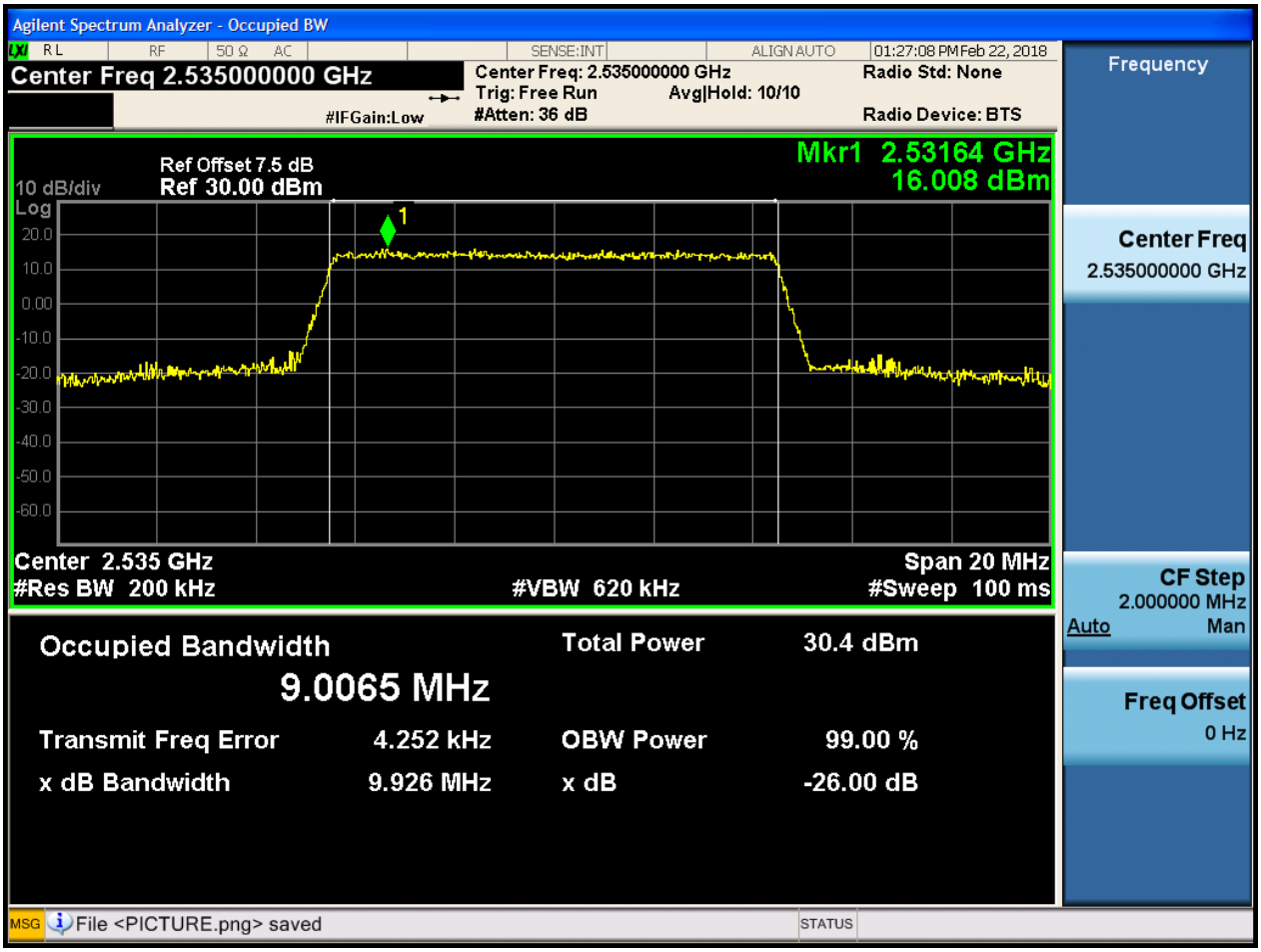
##### 4.1.1.2.2.1 Test Channel = LCH

###### 4.1.1.2.2.1.1 Test RB = RB50#0



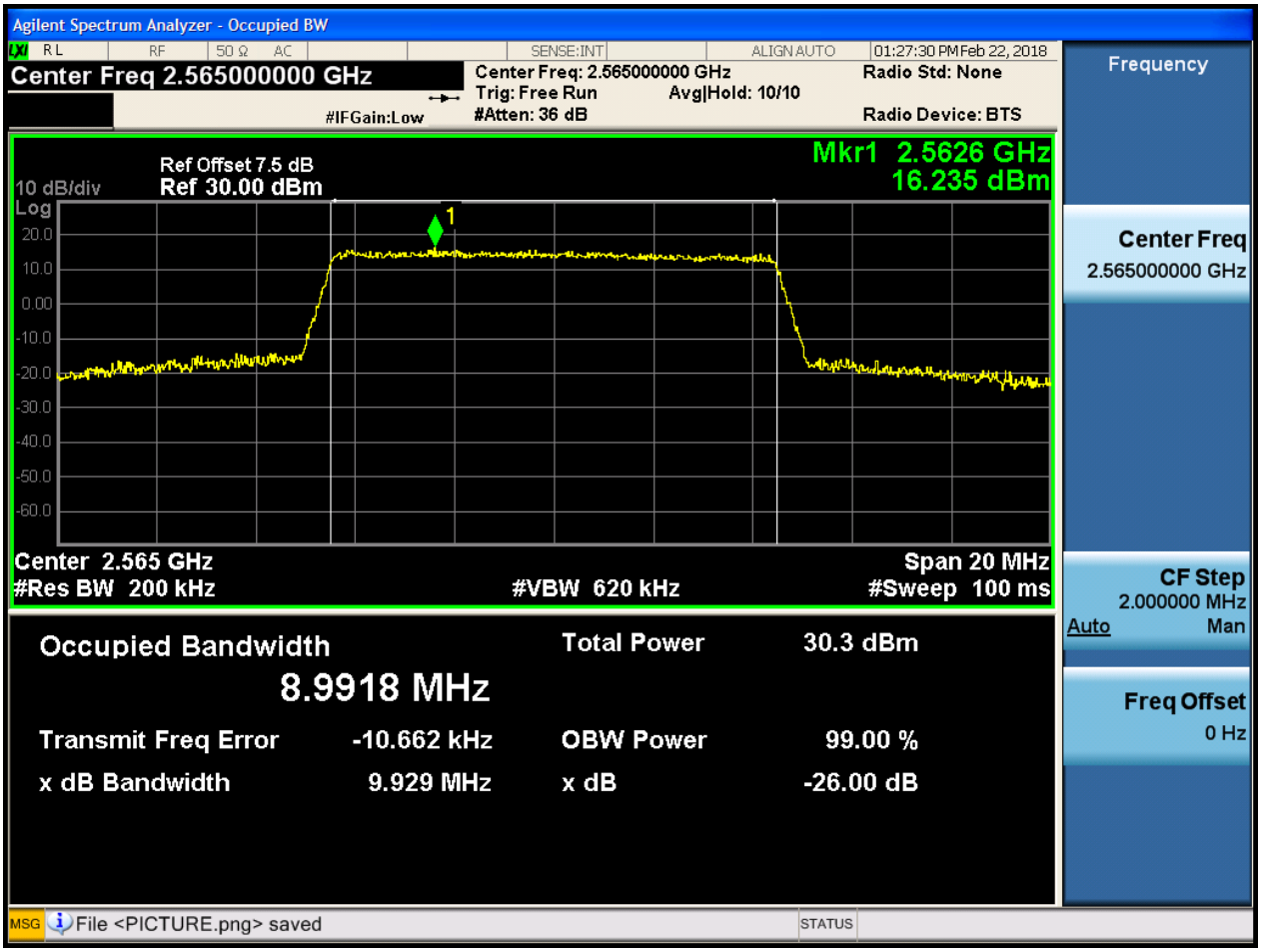
#### 4.1.1.2.2.2 Test Channel = MCH

##### 4.1.1.2.2.2.1 Test RB = RB50#0



#### 4.1.1.2.2.3 Test Channel = HCH

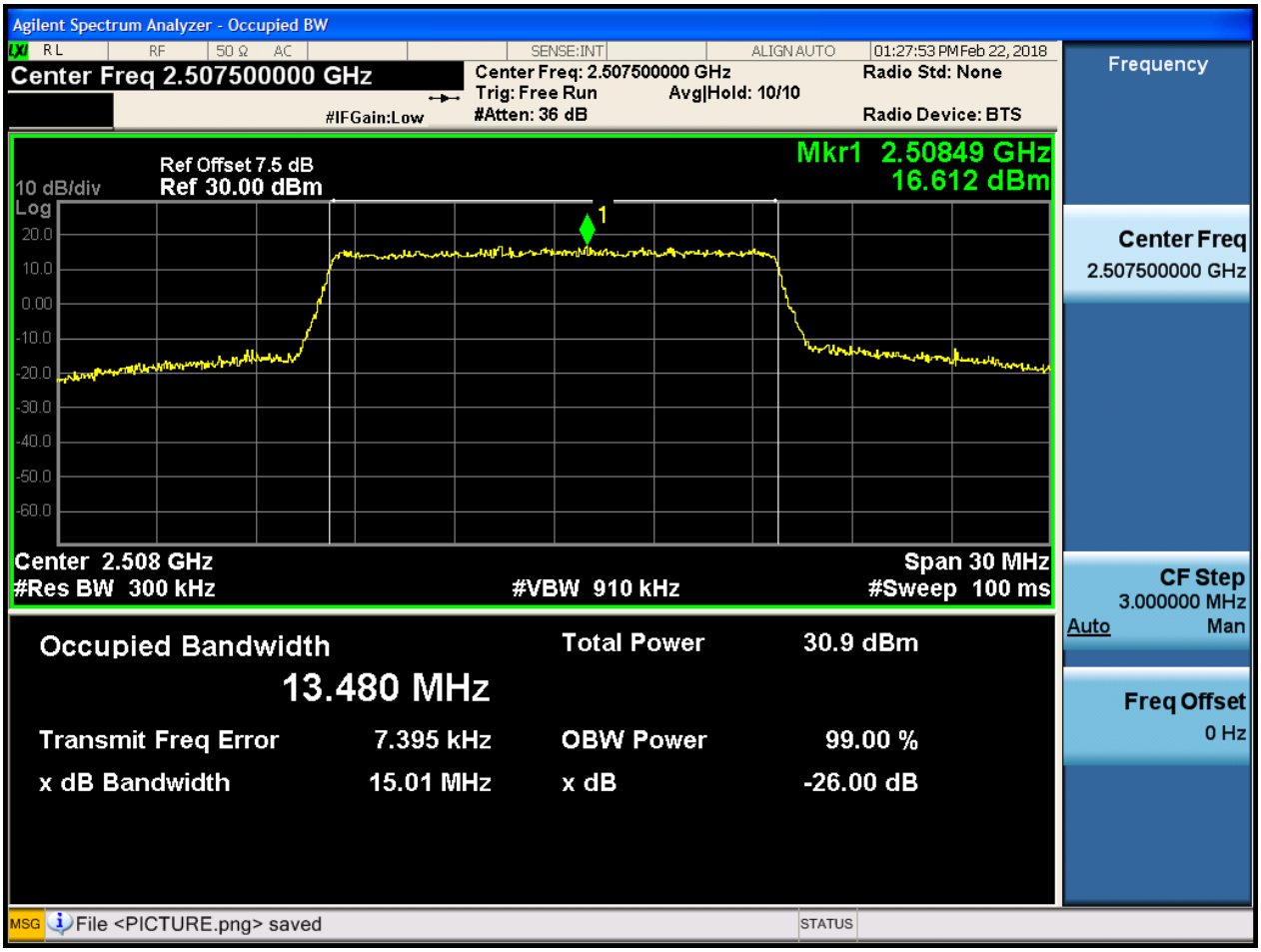
##### 4.1.1.2.2.3.1 Test RB = RB50#0



#### 4.1.1.2.3 Test Bandwidth = 15

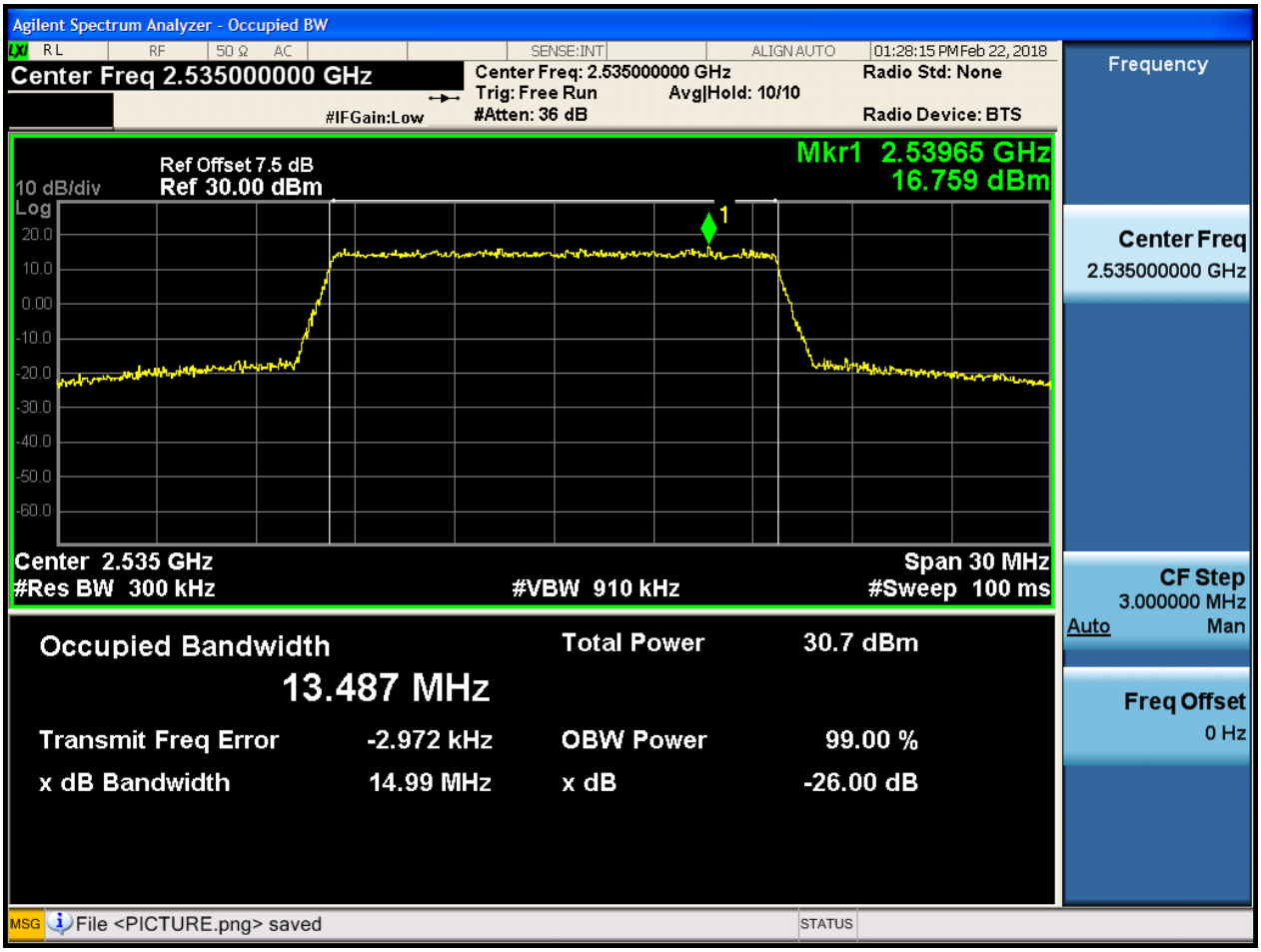
##### 4.1.1.2.3.1 Test Channel = LCH

###### 4.1.1.2.3.1.1 Test RB = RB75#0



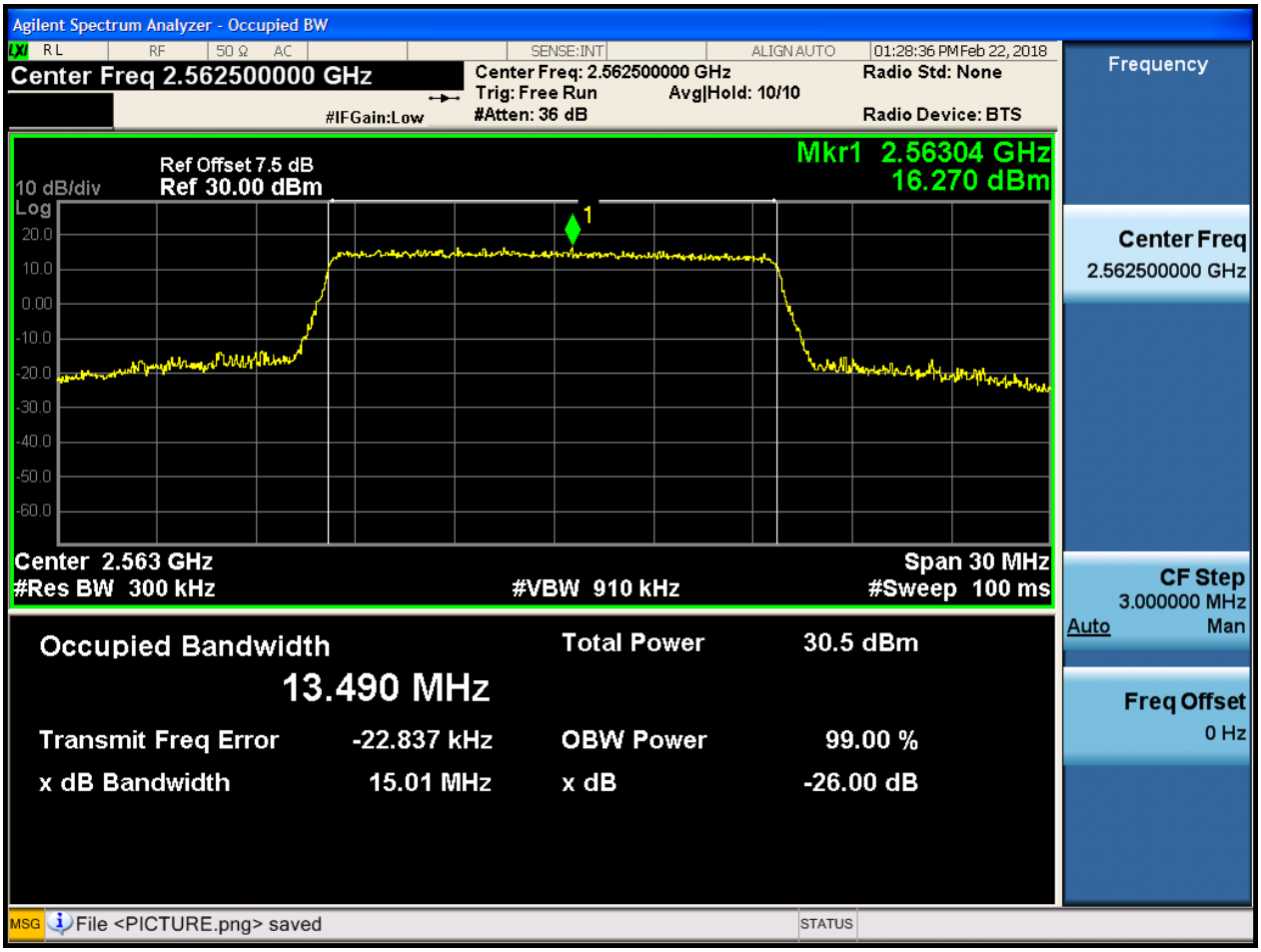
#### 4.1.1.2.3.2 Test Channel = MCH

##### 4.1.1.2.3.2.1 Test RB = RB75#0



#### 4.1.1.2.3.3 Test Channel = HCH

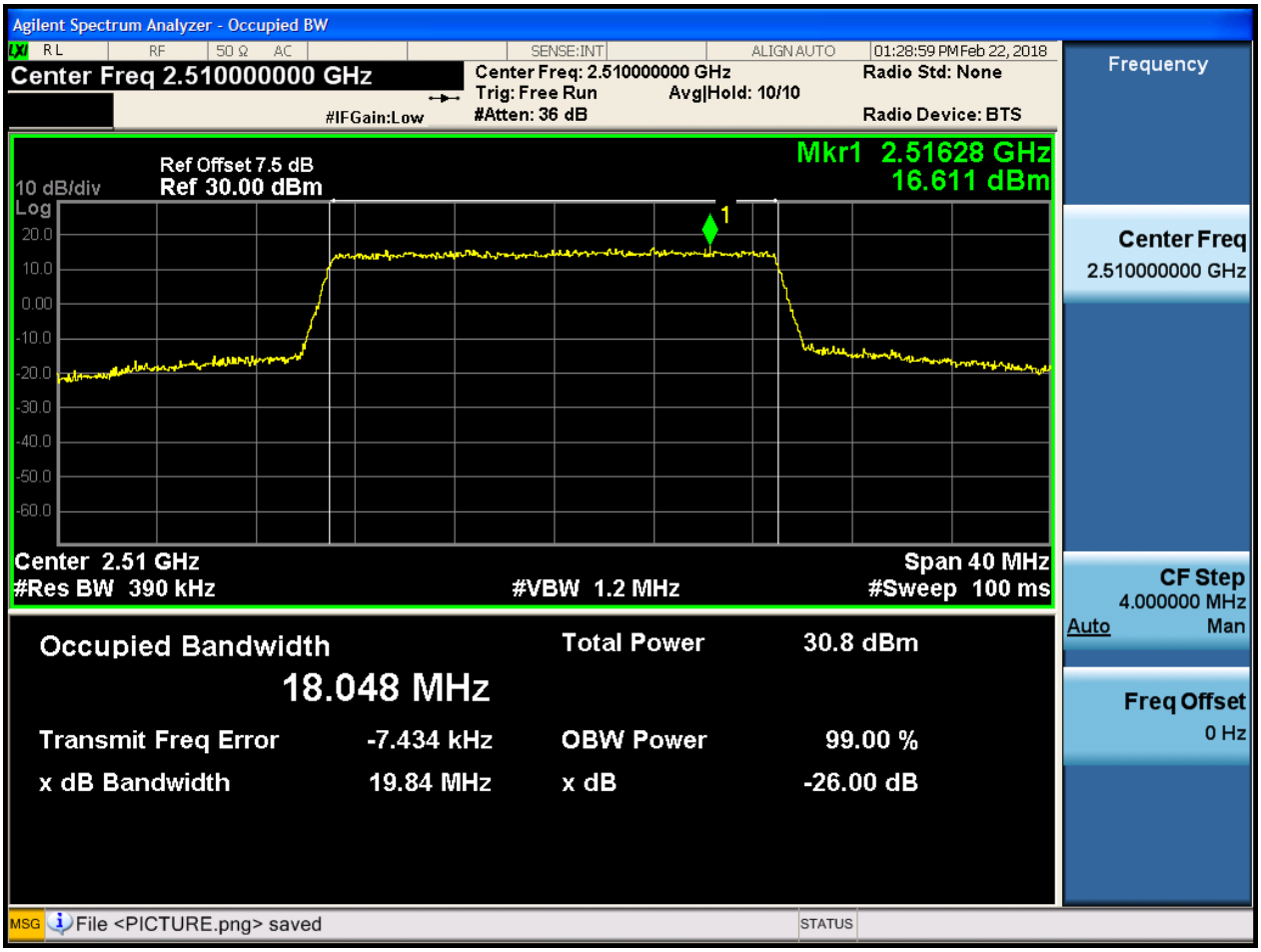
##### 4.1.1.2.3.3.1 Test RB = RB75#0



#### 4.1.1.2.4 Test Bandwidth = 20

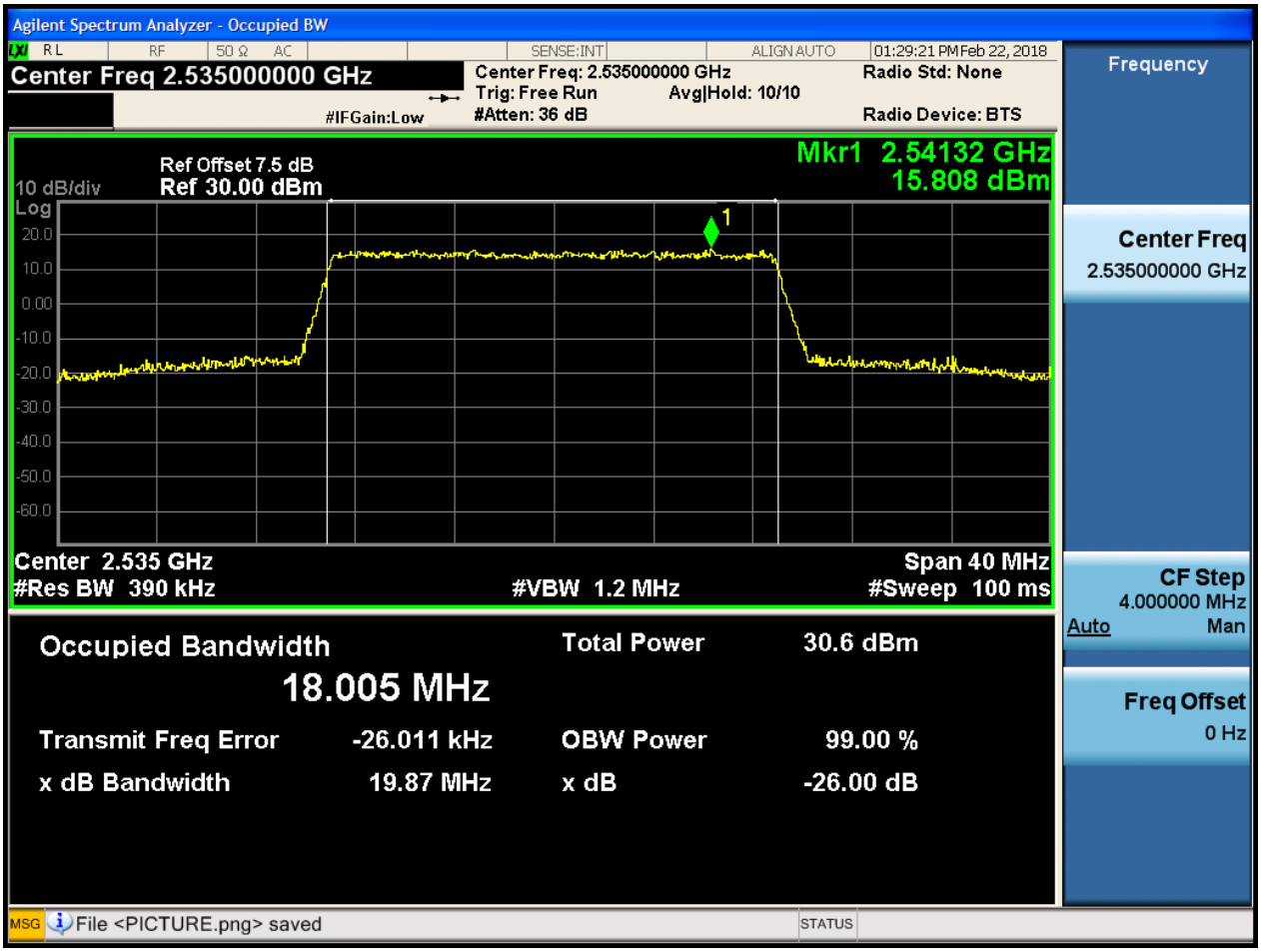
##### 4.1.1.2.4.1 Test Channel = LCH

###### 4.1.1.2.4.1.1 Test RB = RB100#0



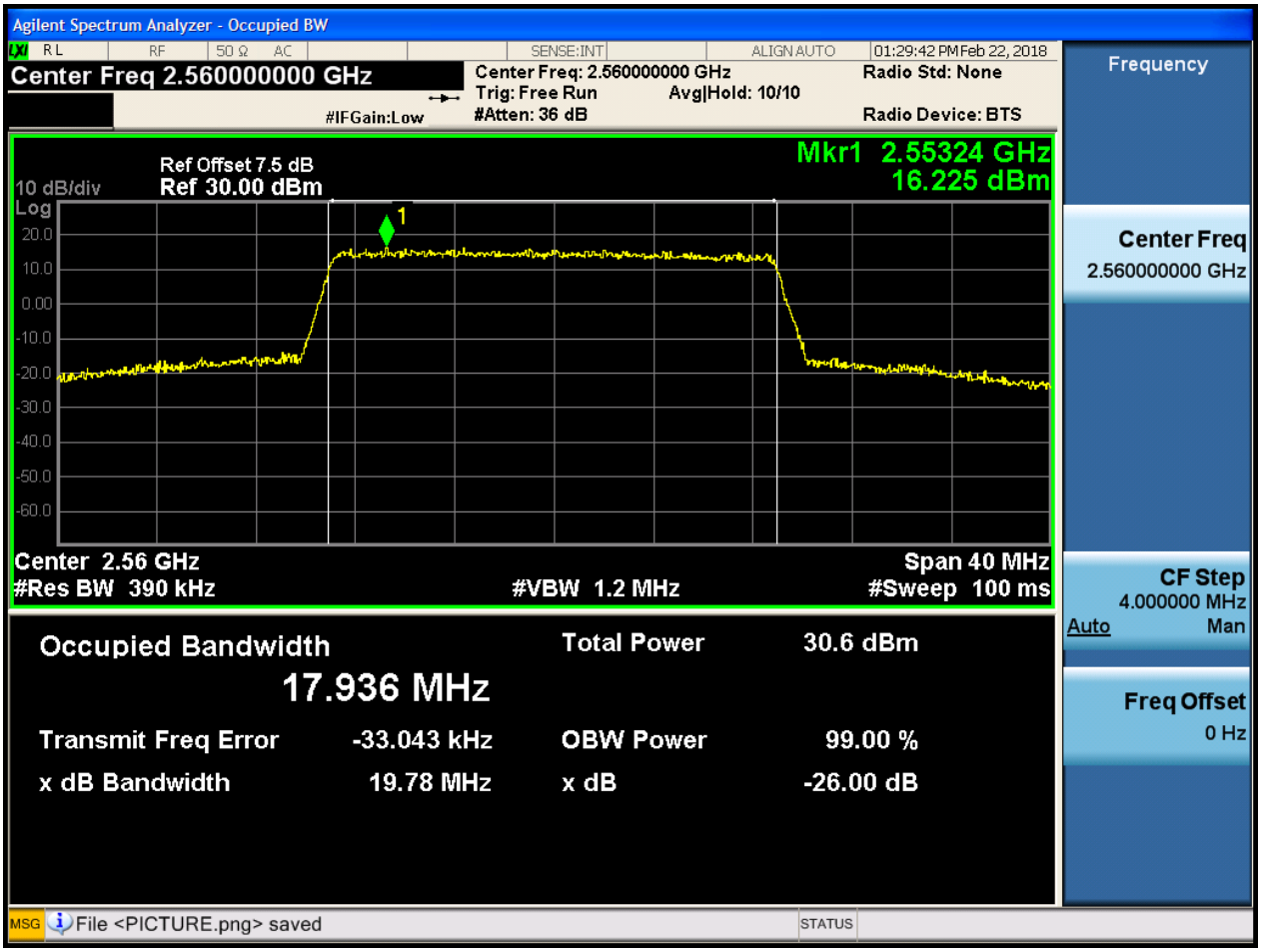
#### 4.1.1.2.4.2 Test Channel = MCH

##### 4.1.1.2.4.2.1 Test RB = RB100#0



#### 4.1.1.2.4.3 Test Channel = HCH

##### 4.1.1.2.4.3.1 Test RB = RB100#0



# 5Appendix_E: Band Edges Compliance

**Part I - Test Plots**

**5.1 For LTE**

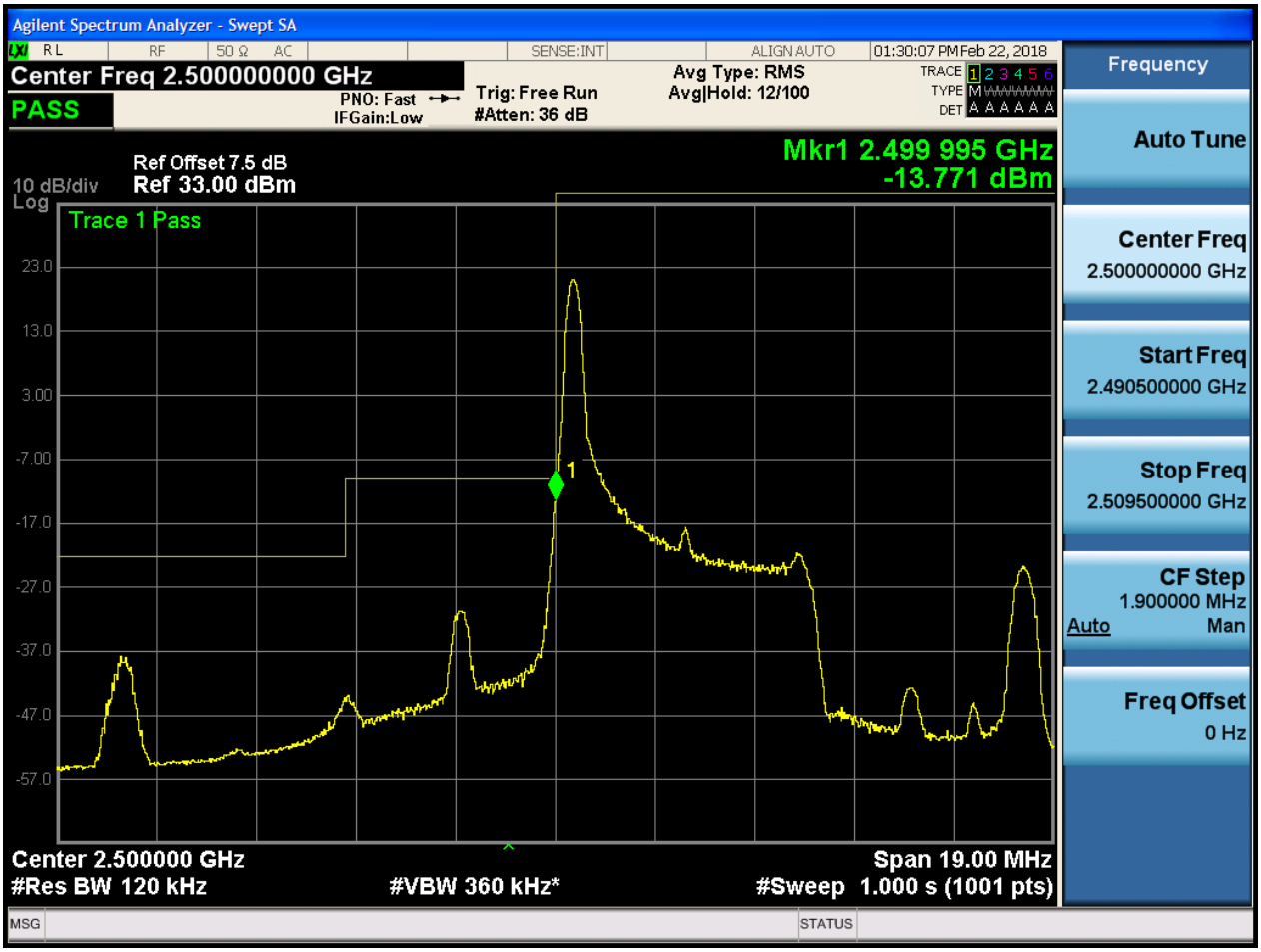
**5.1.1 Test Band = BAND7**

**5.1.1.1 Test Mode = LTE/TM1**

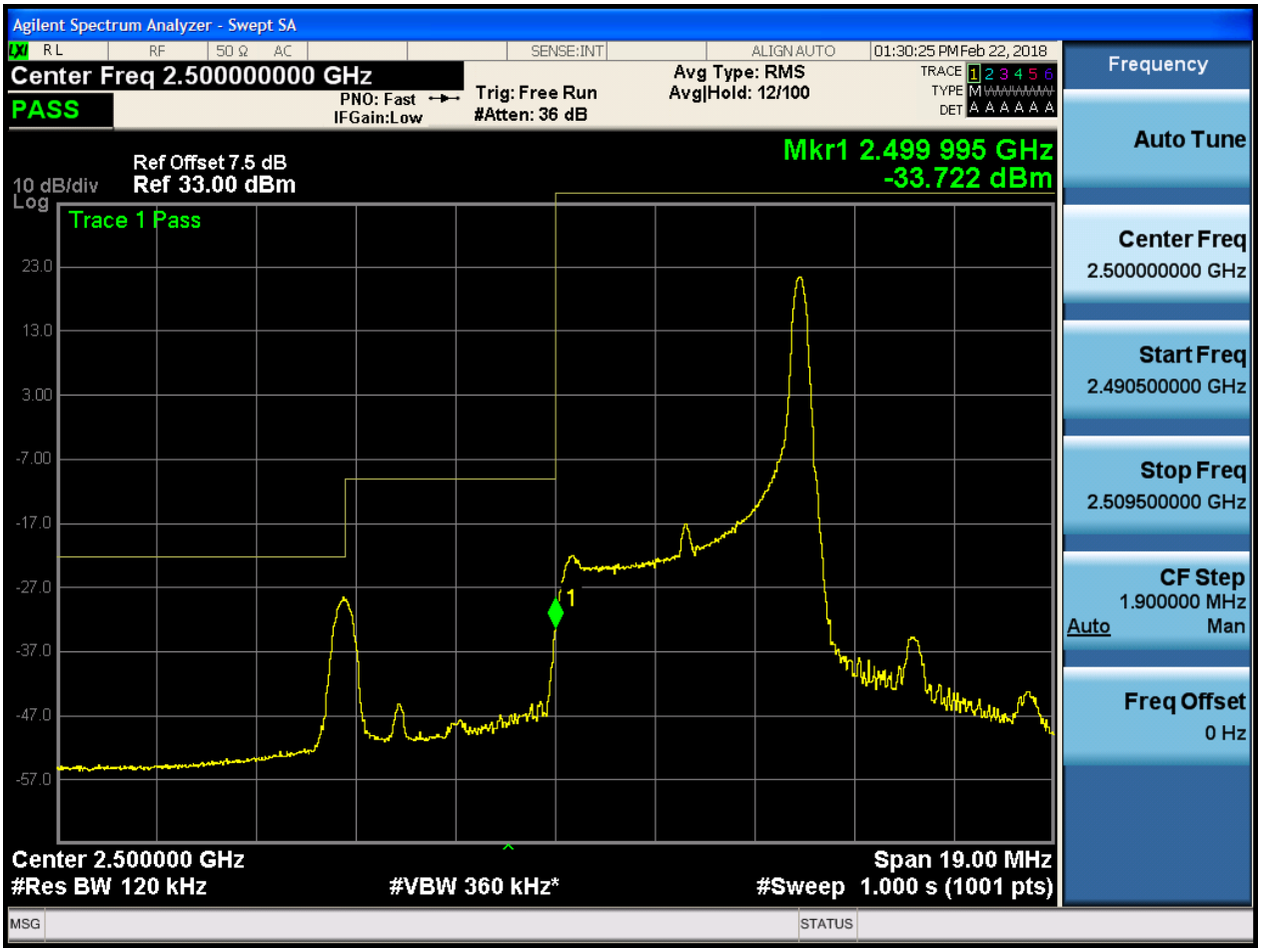
**5.1.1.1.1 Test Bandwidth = 5**

**5.1.1.1.1.1 Test Channel = LCH**

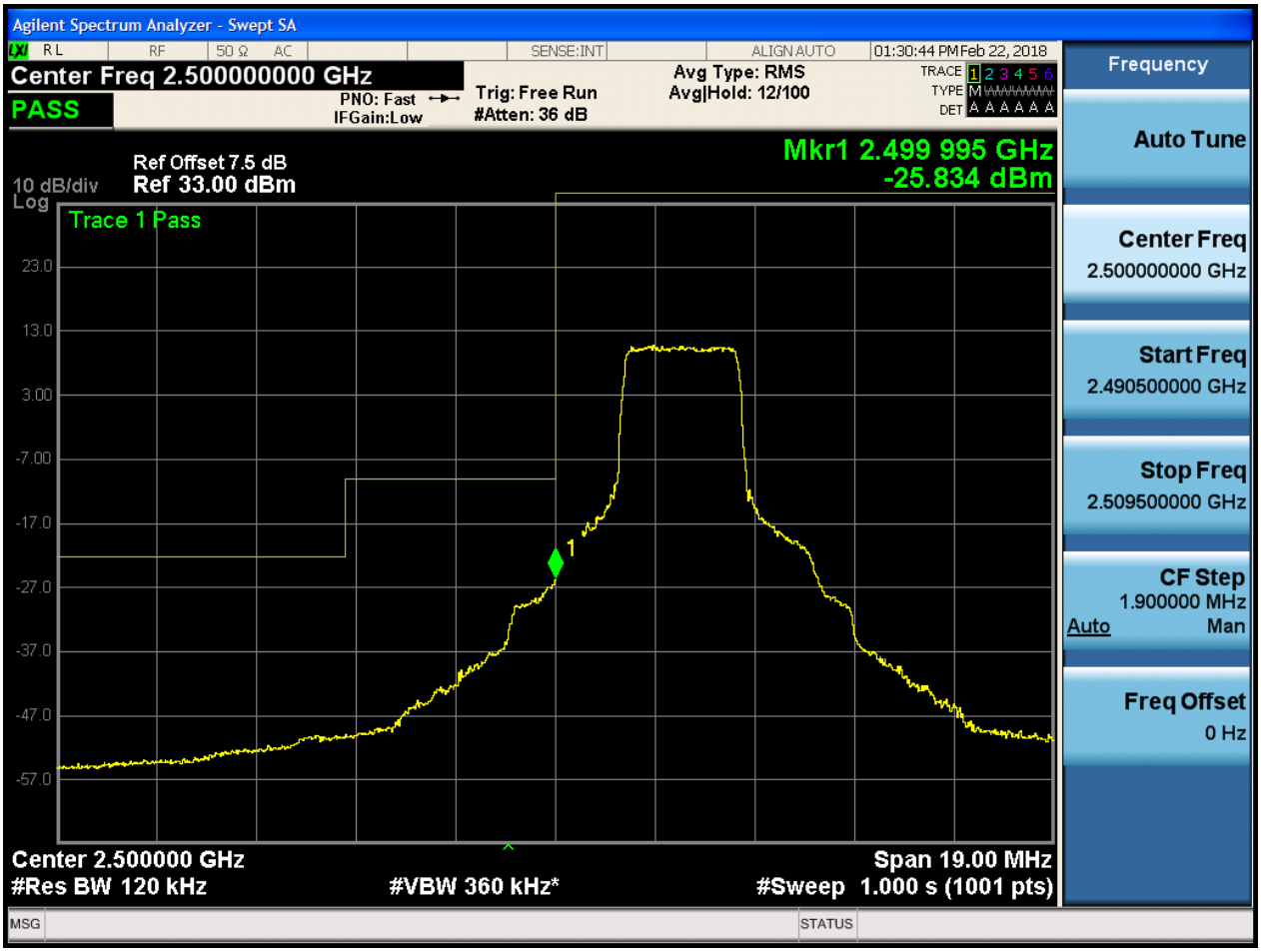
**5.1.1.1.1.1.1 Test RB = RB1#0**



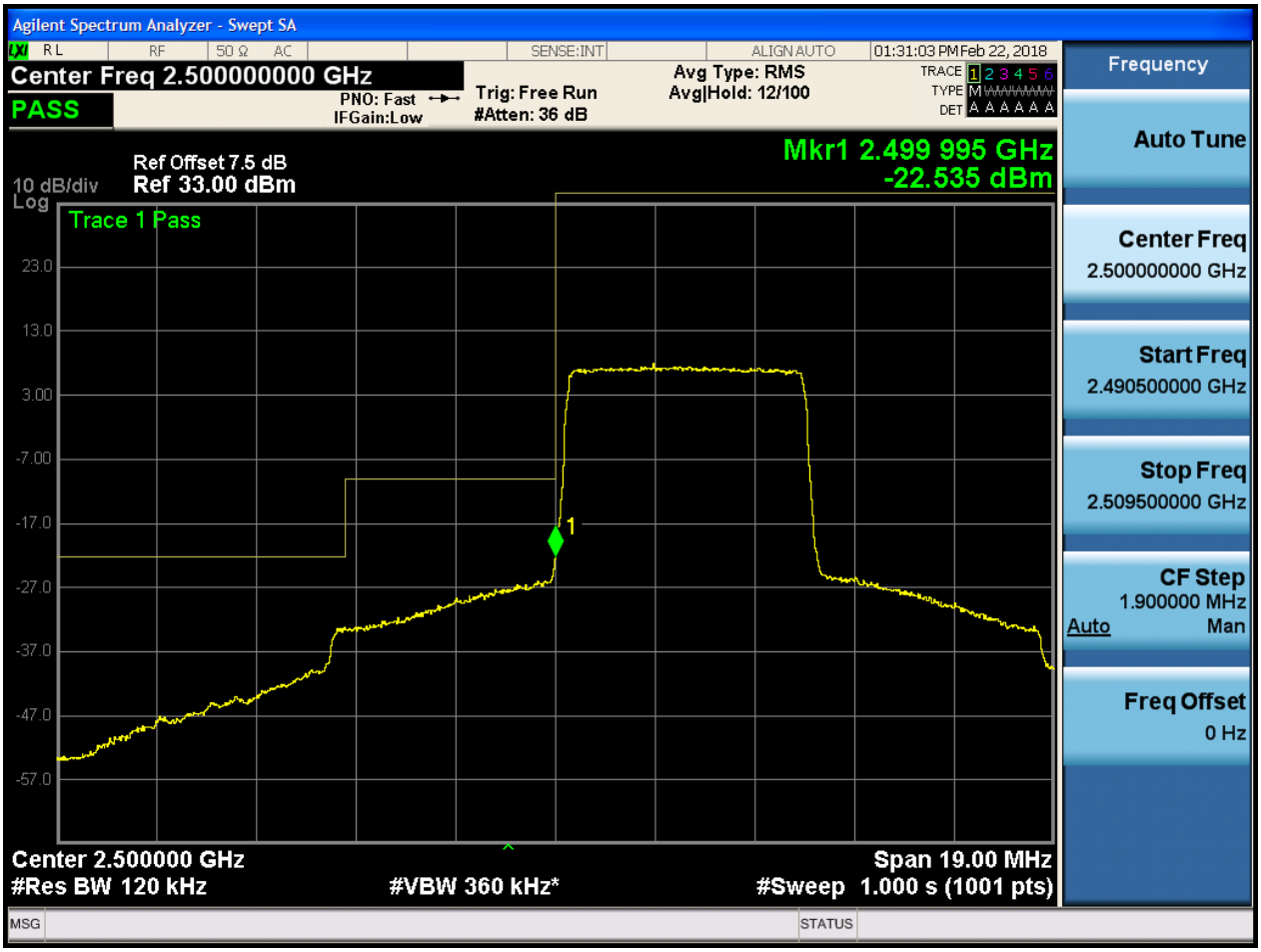
#### 5.1.1.1.1.2 Test RB = RB1#24



#### 5.1.1.1.1.1.3 Test RB = RB12#6

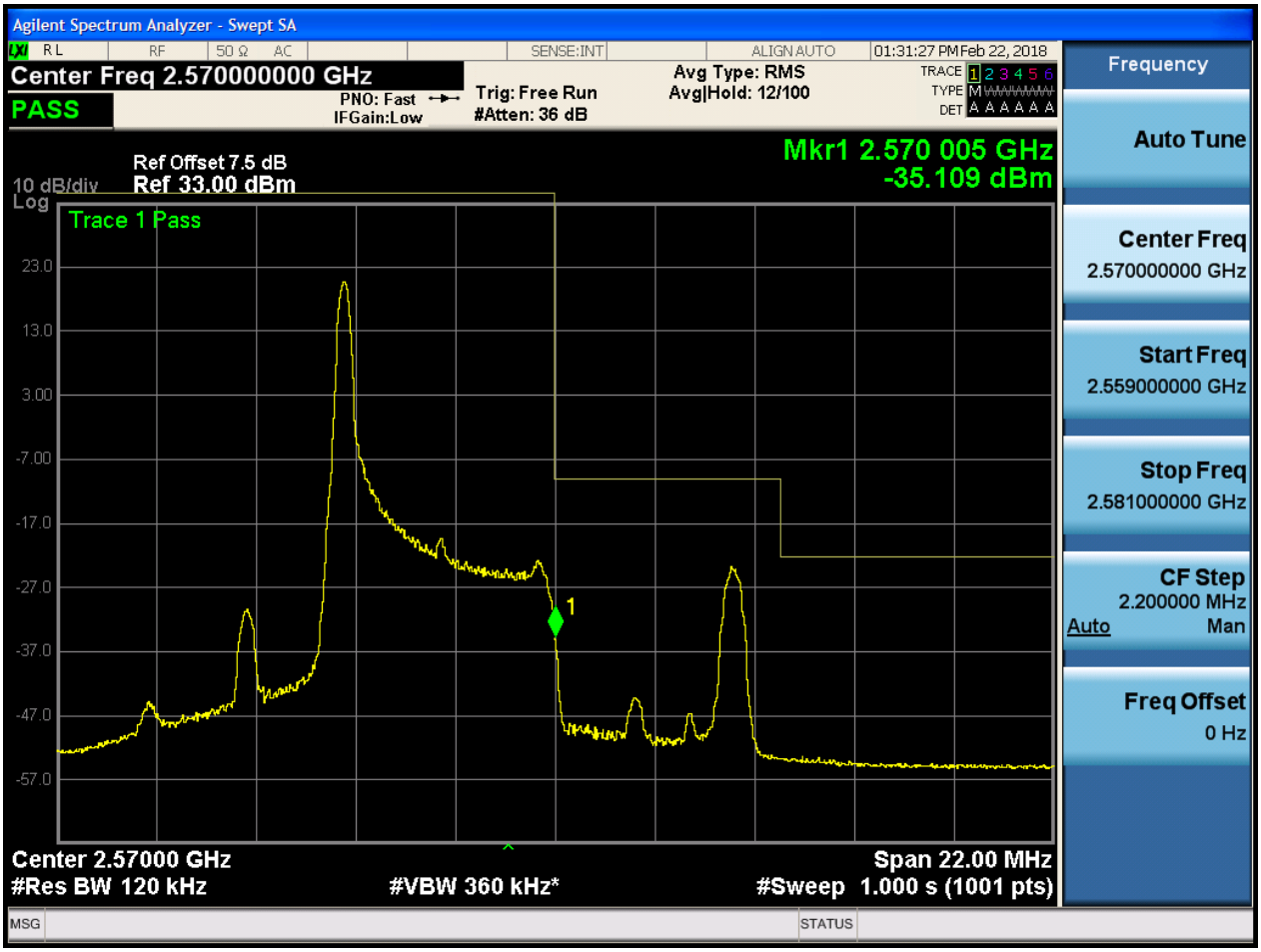


#### 5.1.1.1.1.1.4 Test RB = RB25#0

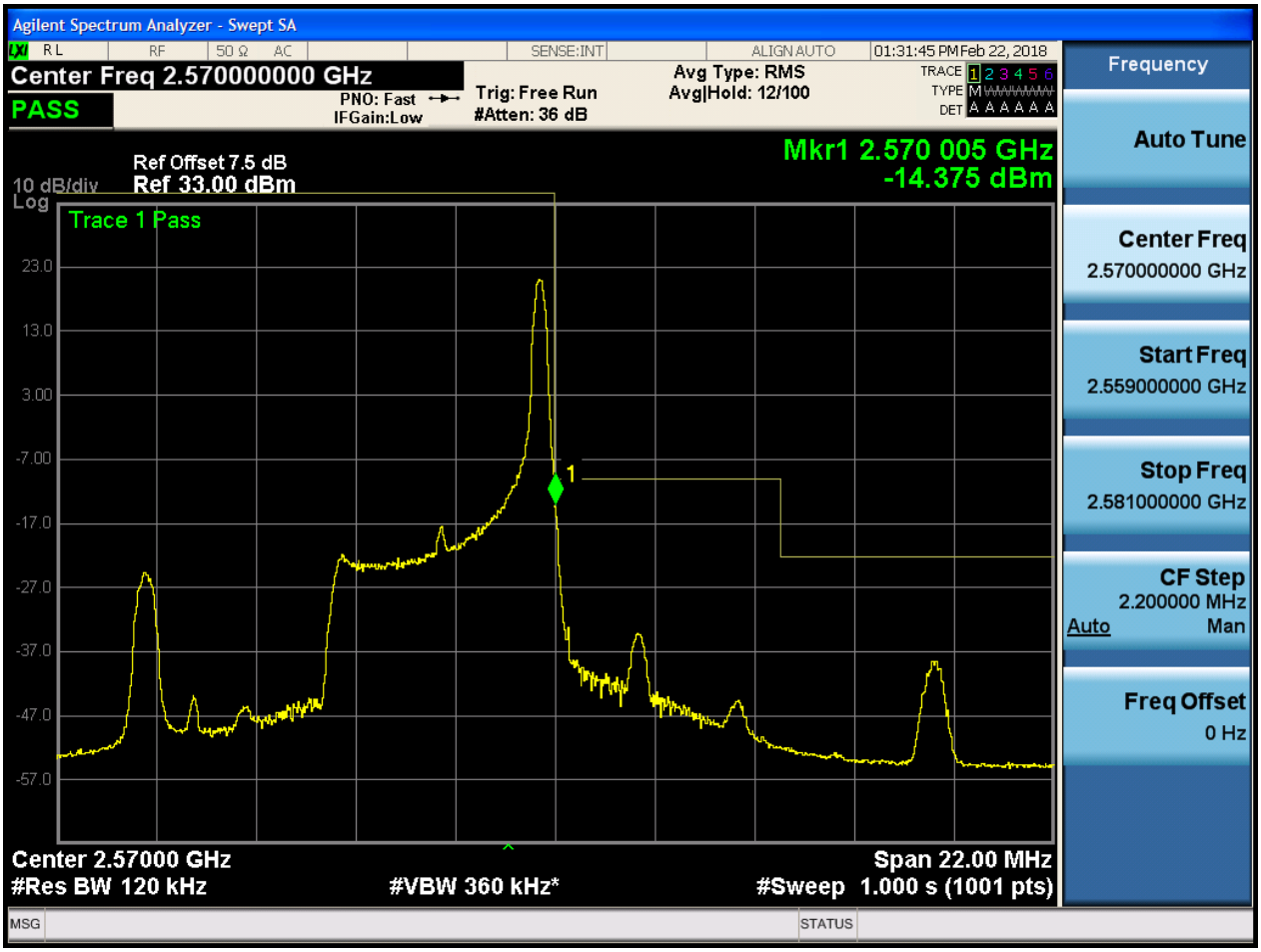


#### 5.1.1.1.1.2 Test Channel = HCH

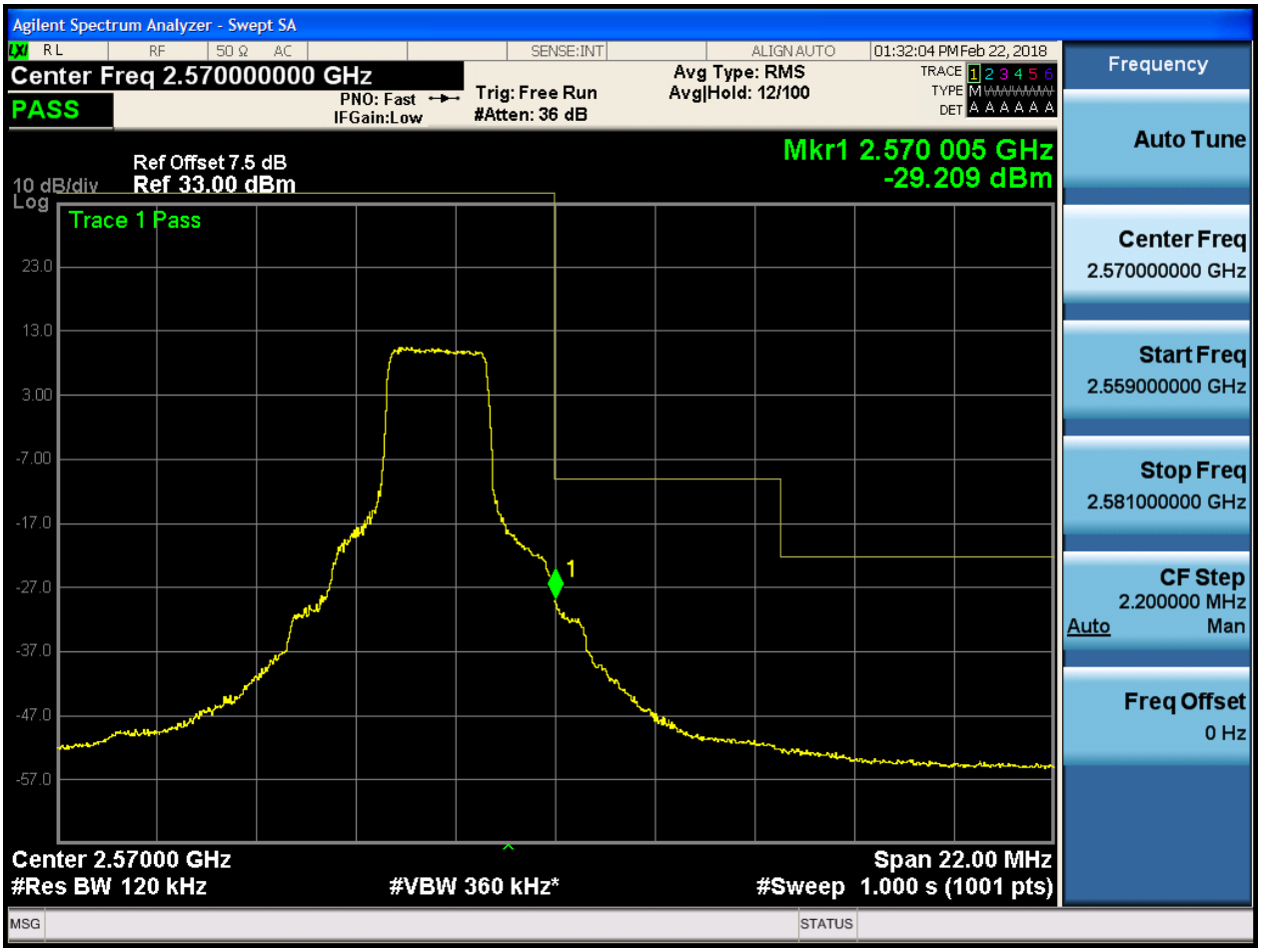
##### 5.1.1.1.1.2.1 Test RB = RB1#0



#### 5.1.1.1.1.2.2 Test RB = RB1#24



#### 5.1.1.1.1.2.3 Test RB = RB12#6

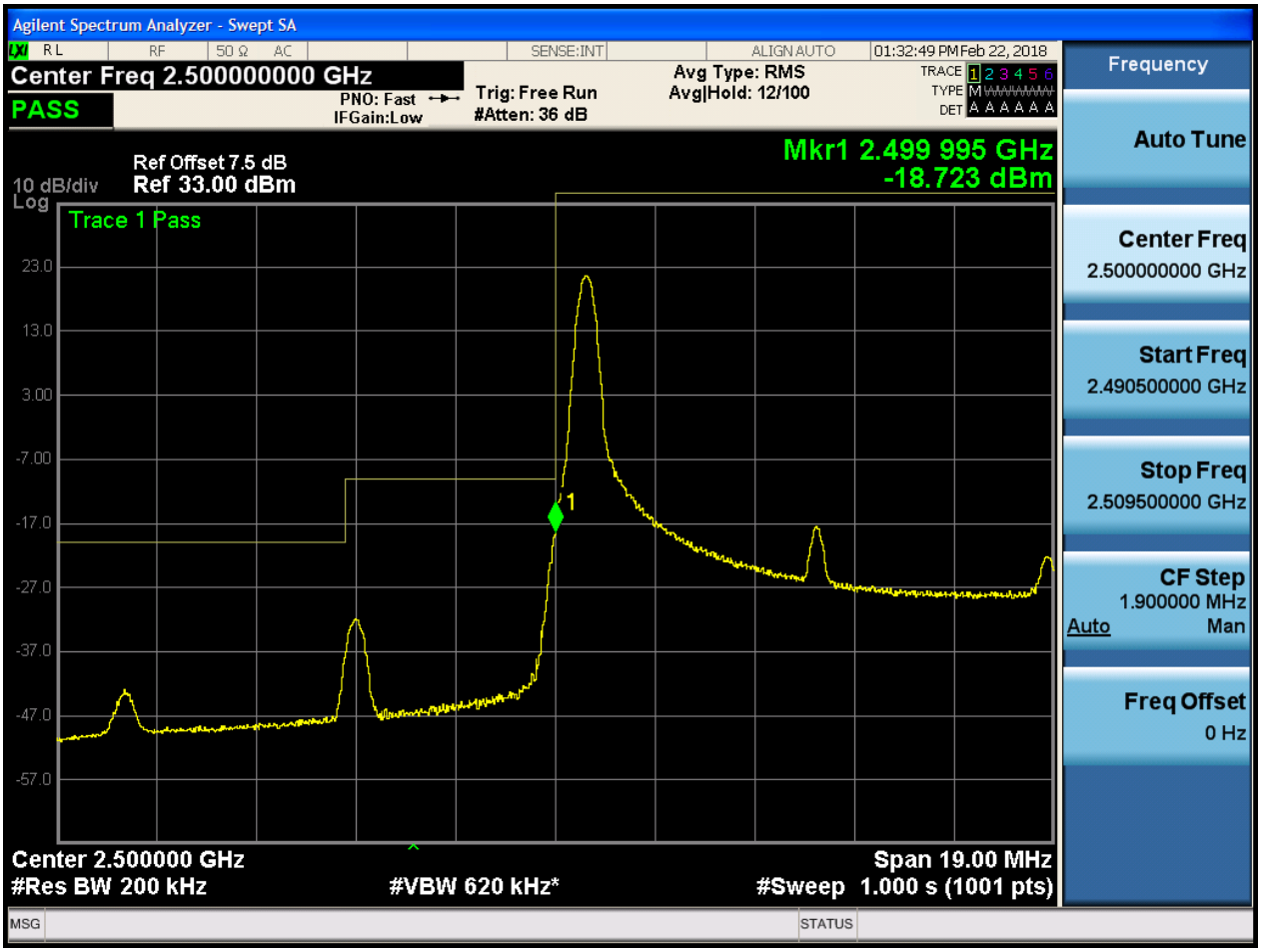


#### 5.1.1.1.1.2.4 Test RB = RB25#0

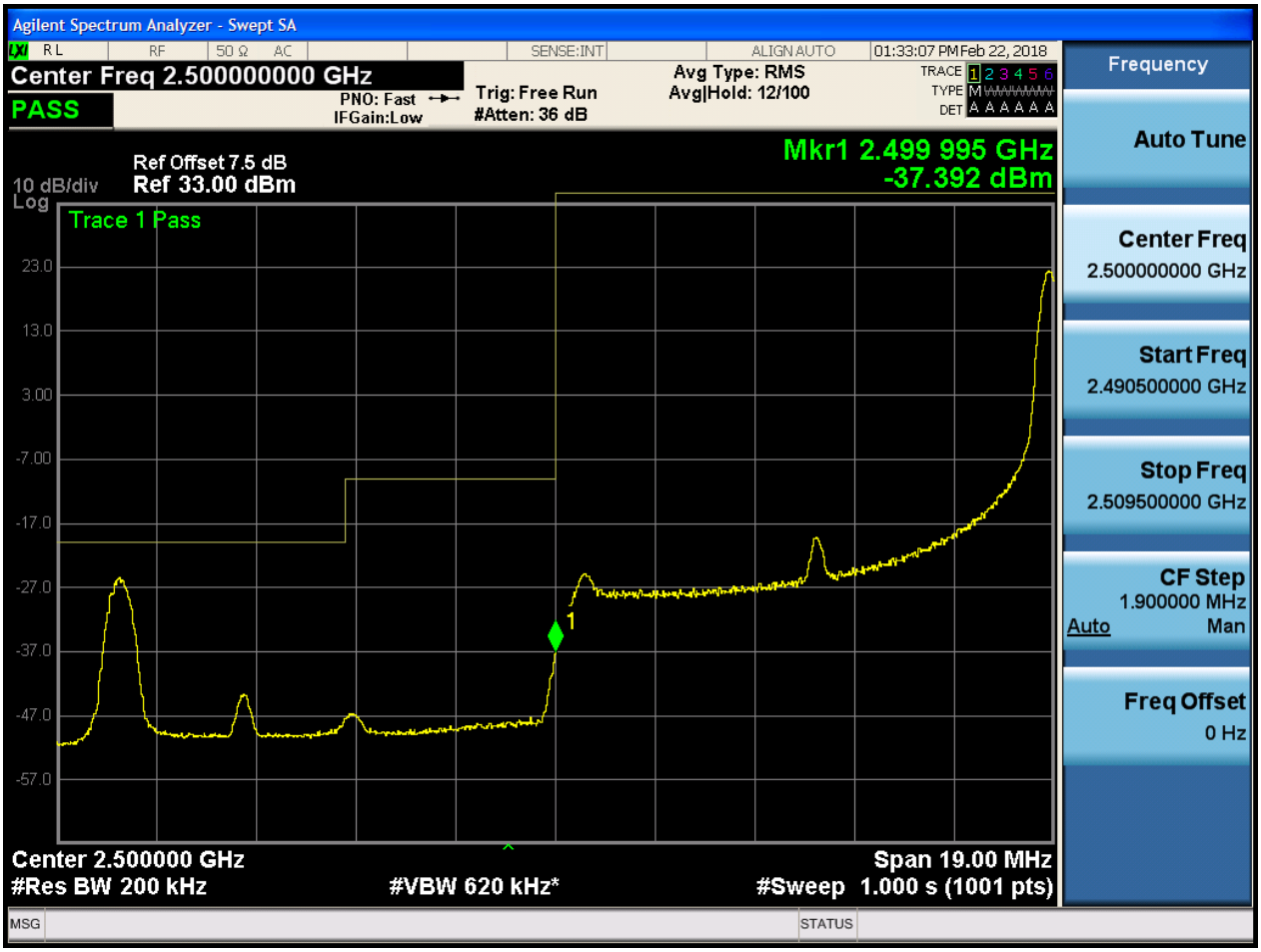
#### 5.1.1.1.2 Test Bandwidth = 10

##### 5.1.1.1.2.1 Test Channel = LCH

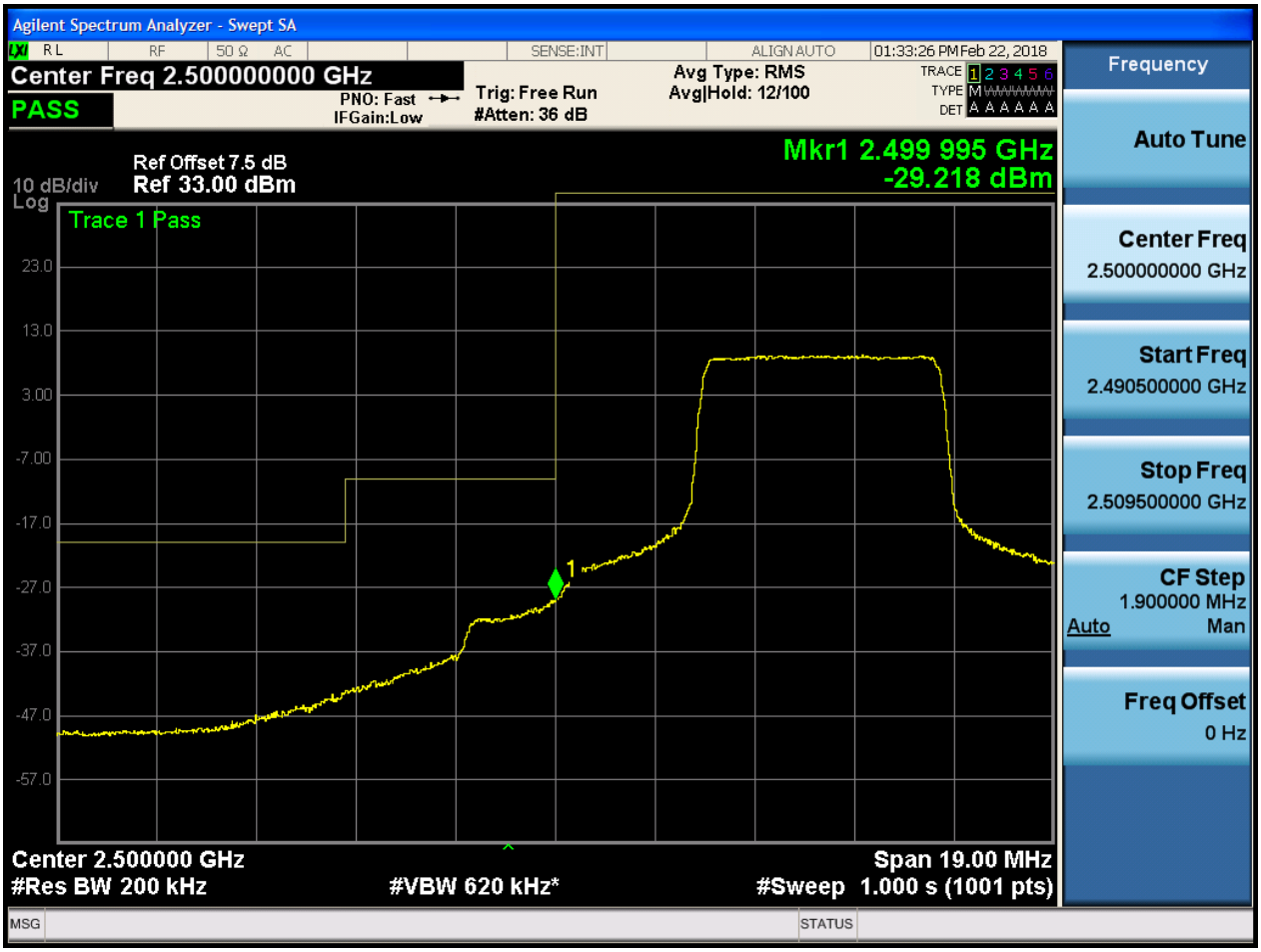
###### 5.1.1.1.2.1.1 Test RB = RB1#0



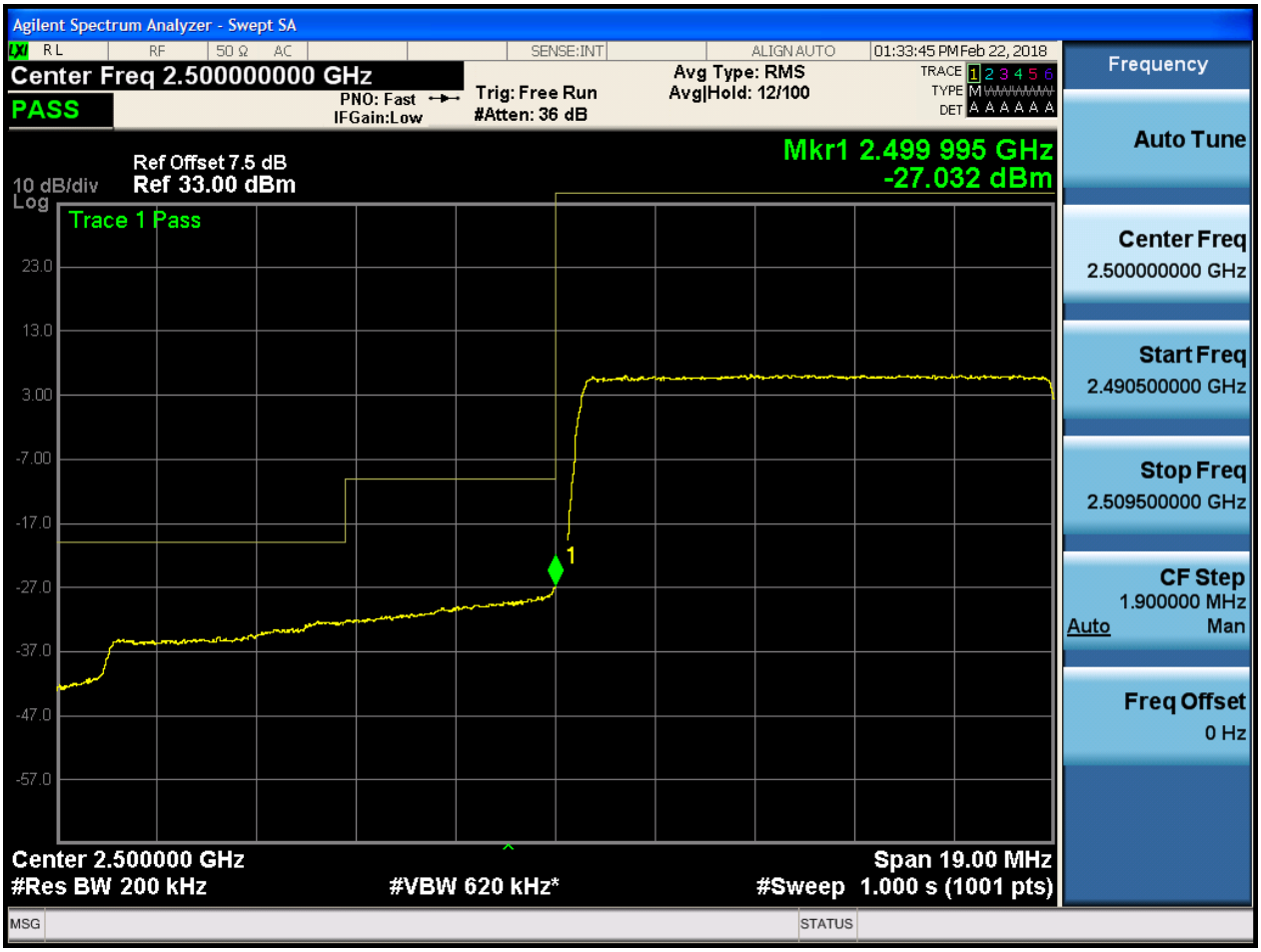
#### 5.1.1.1.2.1.2 Test RB = RB1#49



#### 5.1.1.1.2.1.3 Test RB = RB25#13

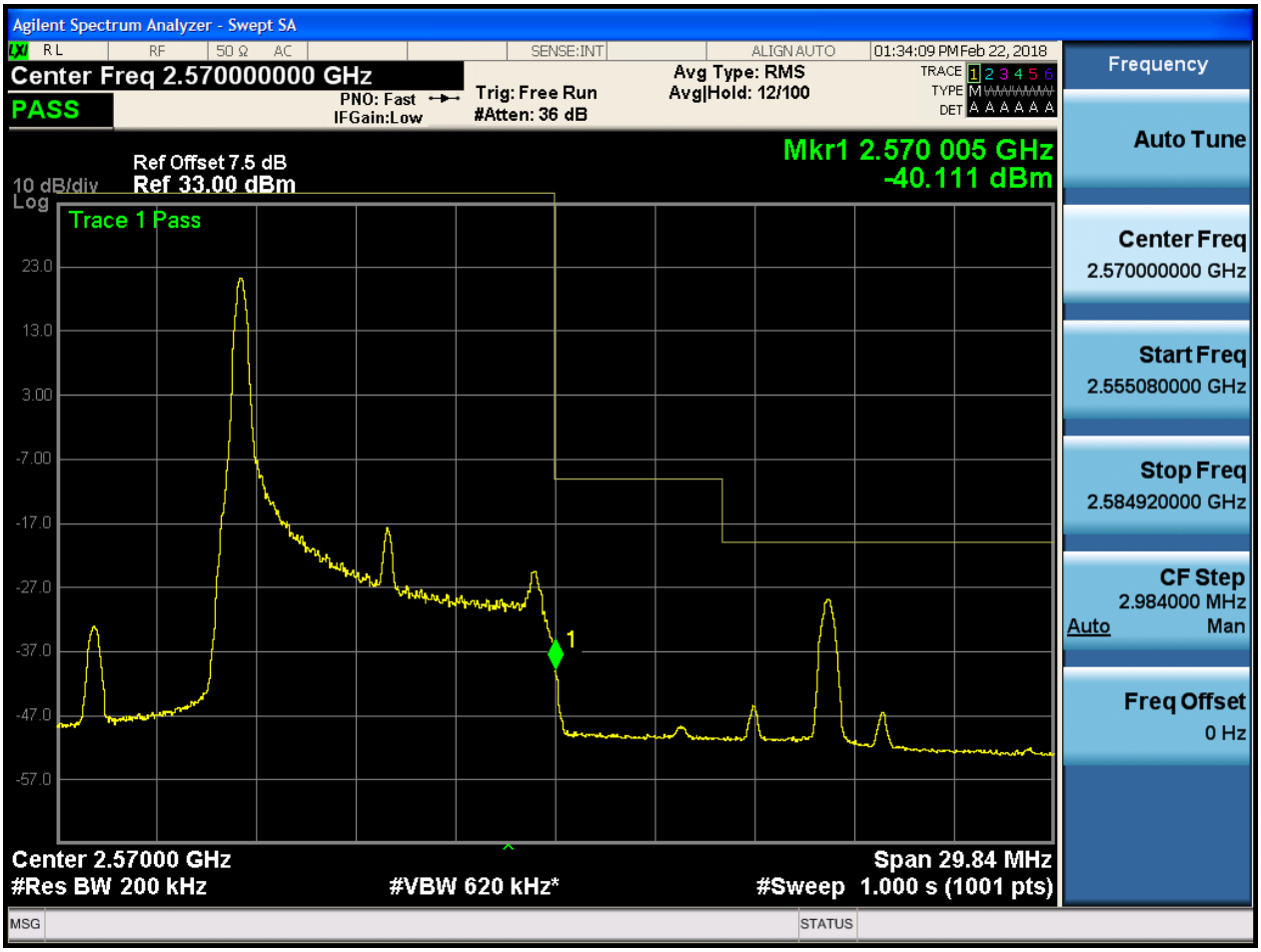


#### 5.1.1.1.2.1.4 Test RB = RB50#0

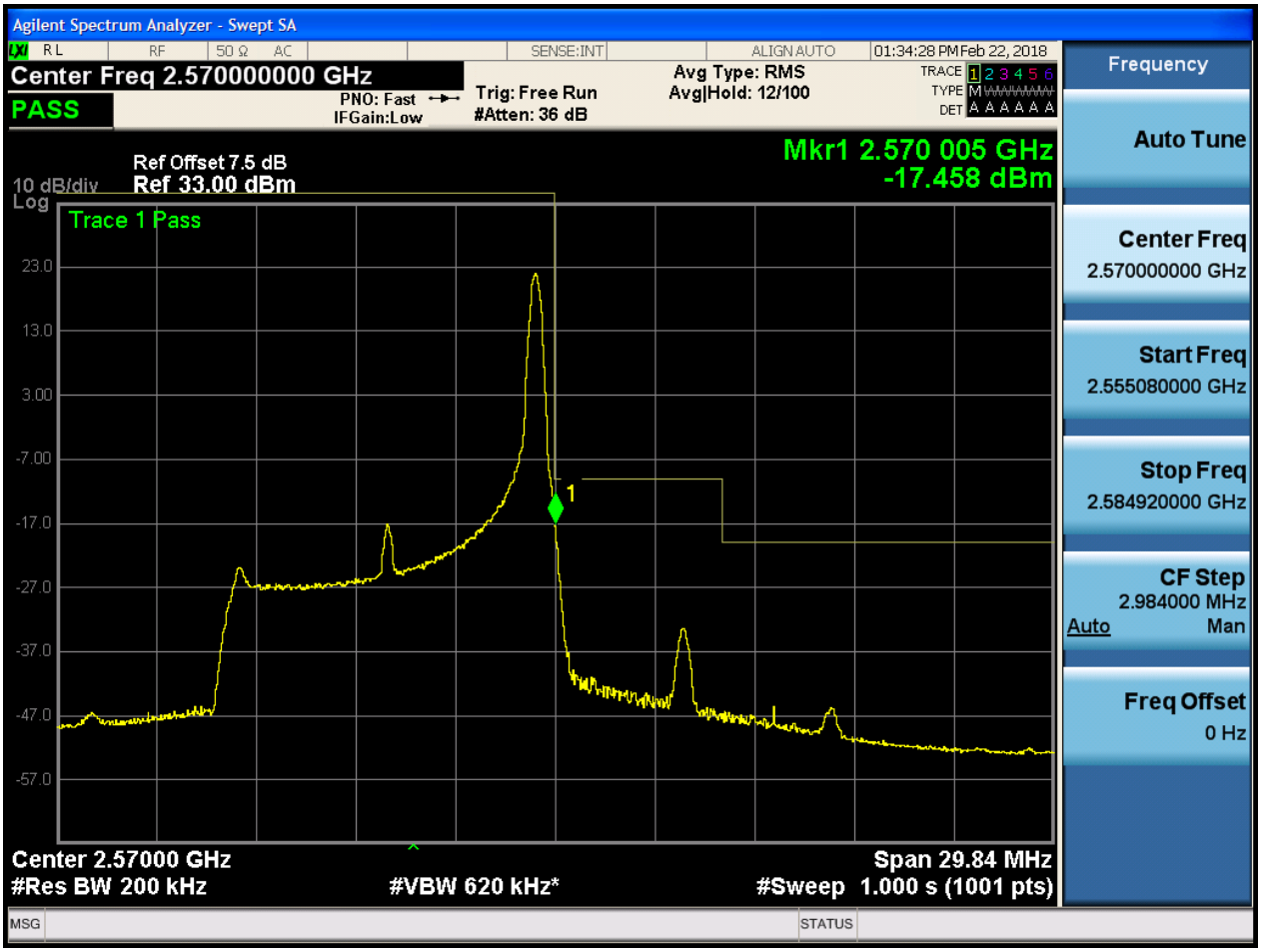


#### 5.1.1.1.2.2 Test Channel = HCH

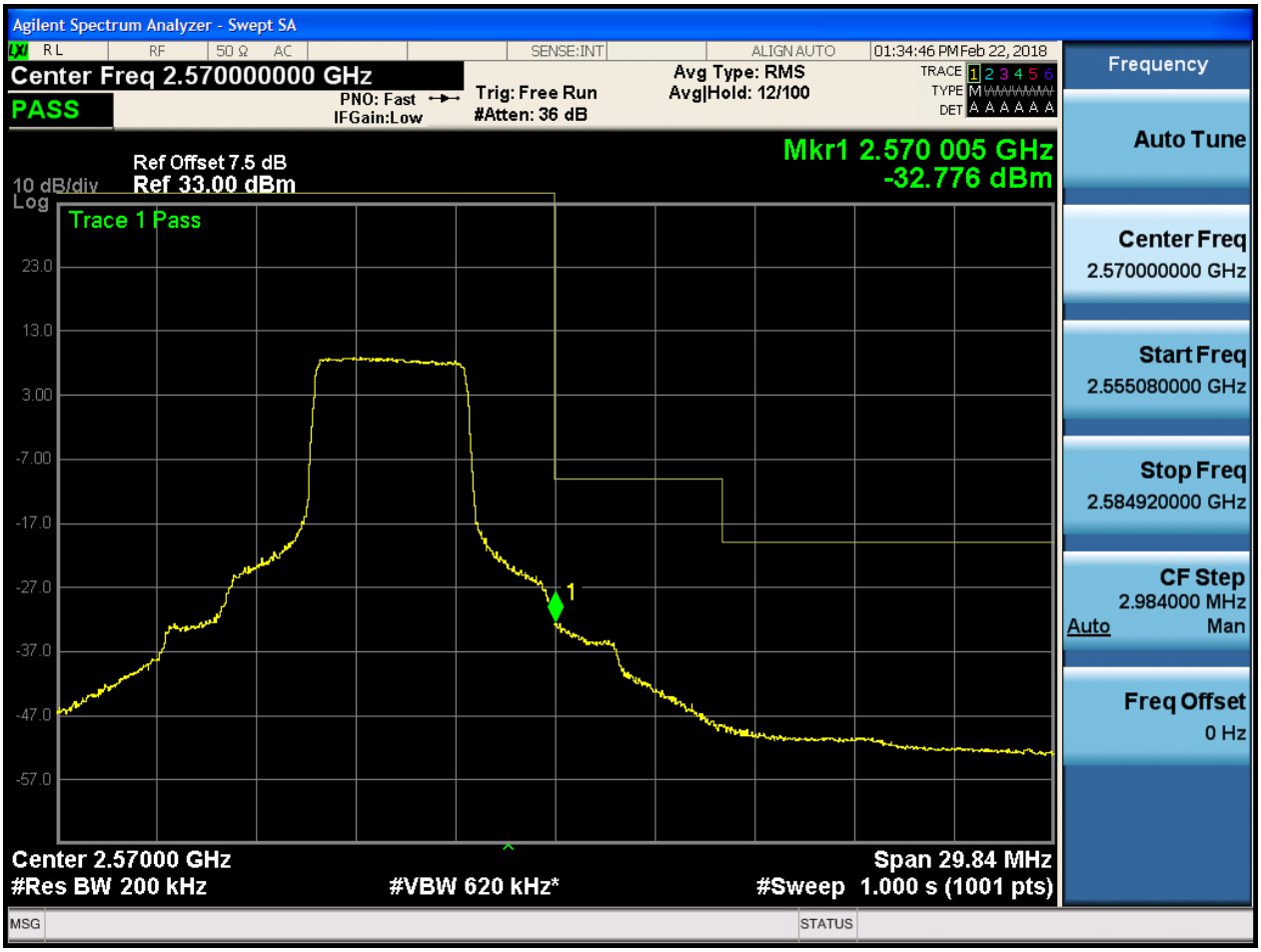
##### 5.1.1.1.2.2.1 Test RB = RB1#0



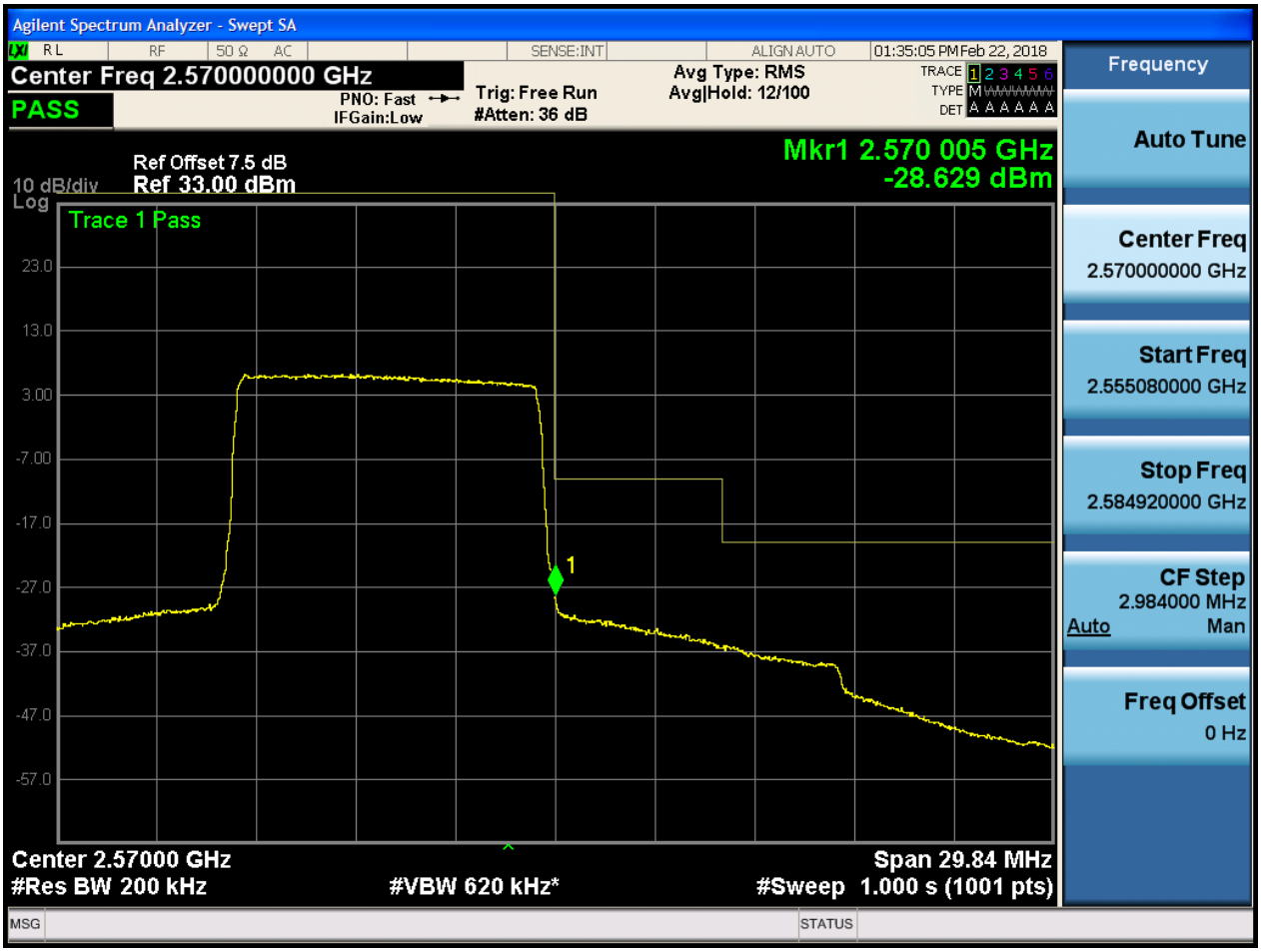
#### 5.1.1.1.2.2.2 Test RB = RB1#49



### 5.1.1.1.2.2.3 Test RB = RB25#13



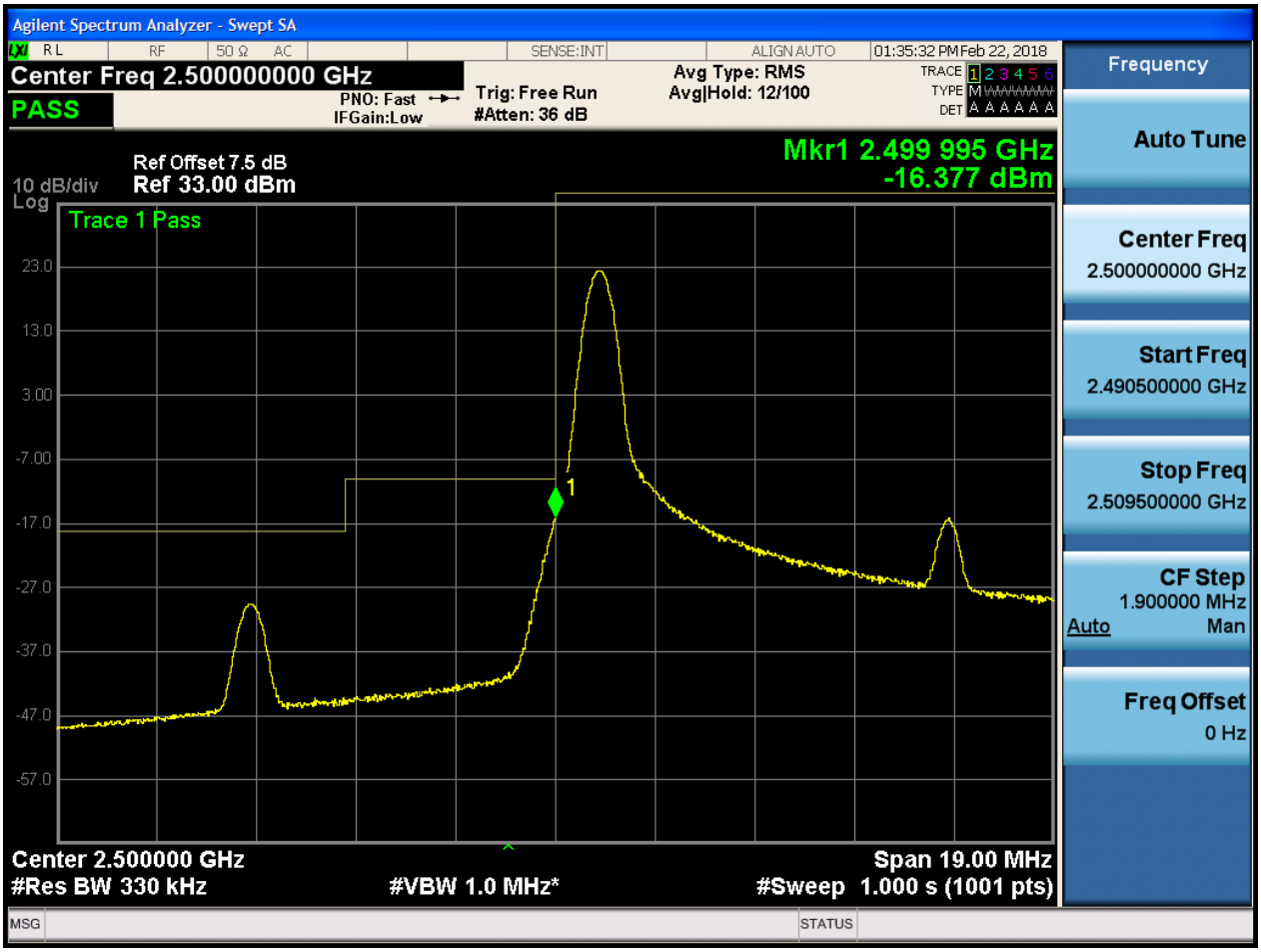
#### 5.1.1.1.2.2.4 Test RB = RB50#0



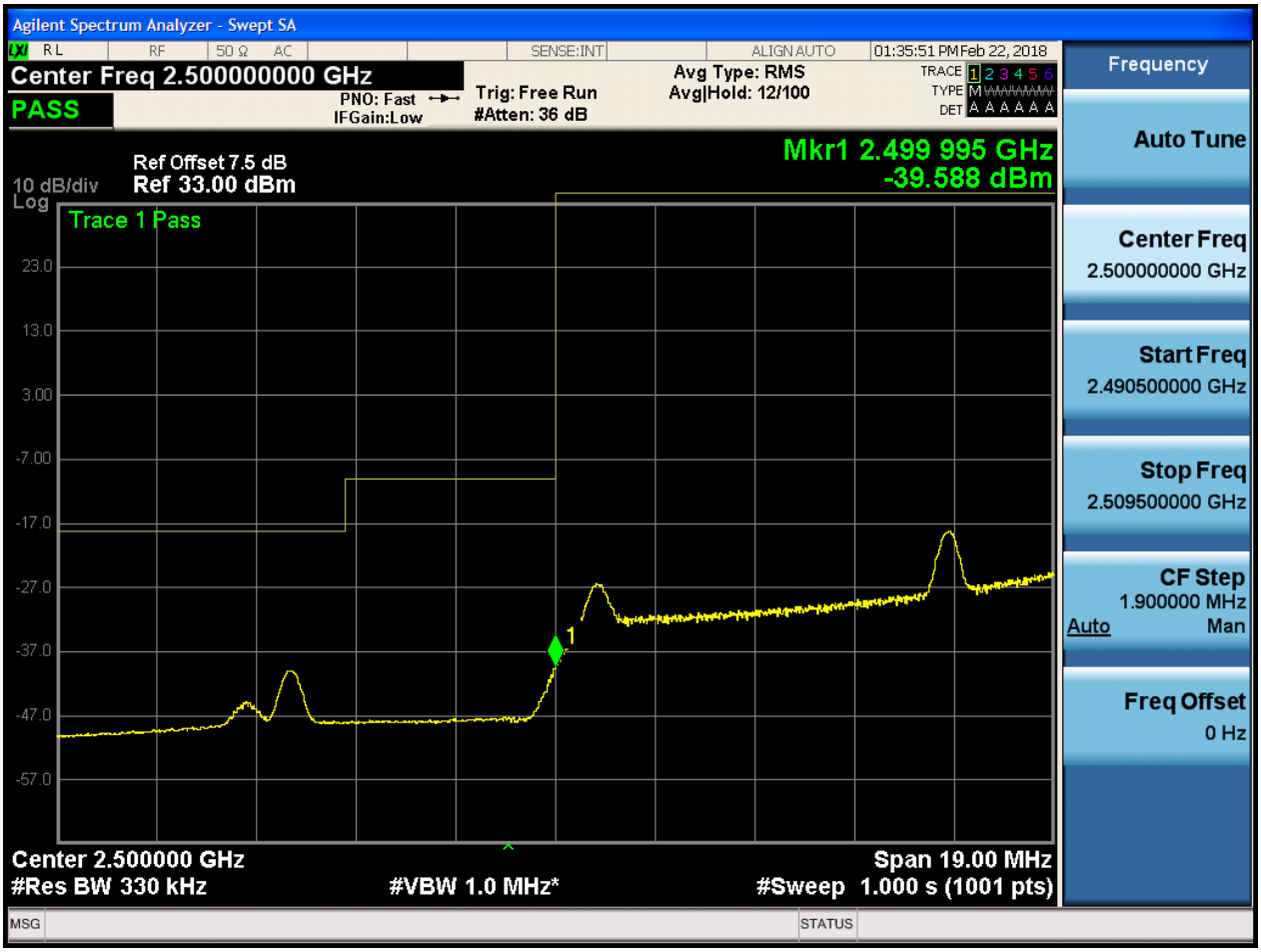
#### 5.1.1.1.3 Test Bandwidth = 15

##### 5.1.1.1.3.1 Test Channel = LCH

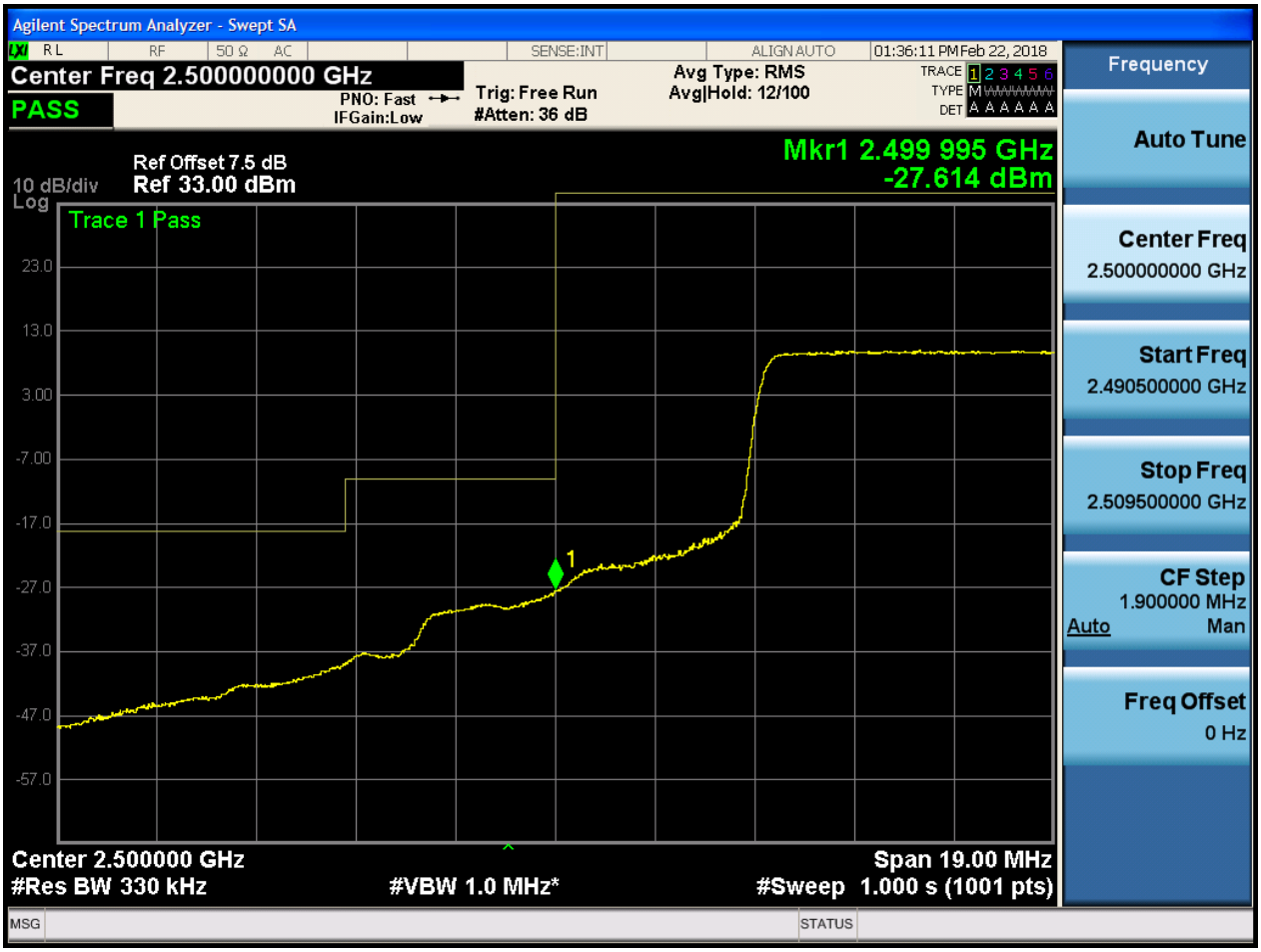
###### 5.1.1.1.3.1.1 Test RB = RB1#0



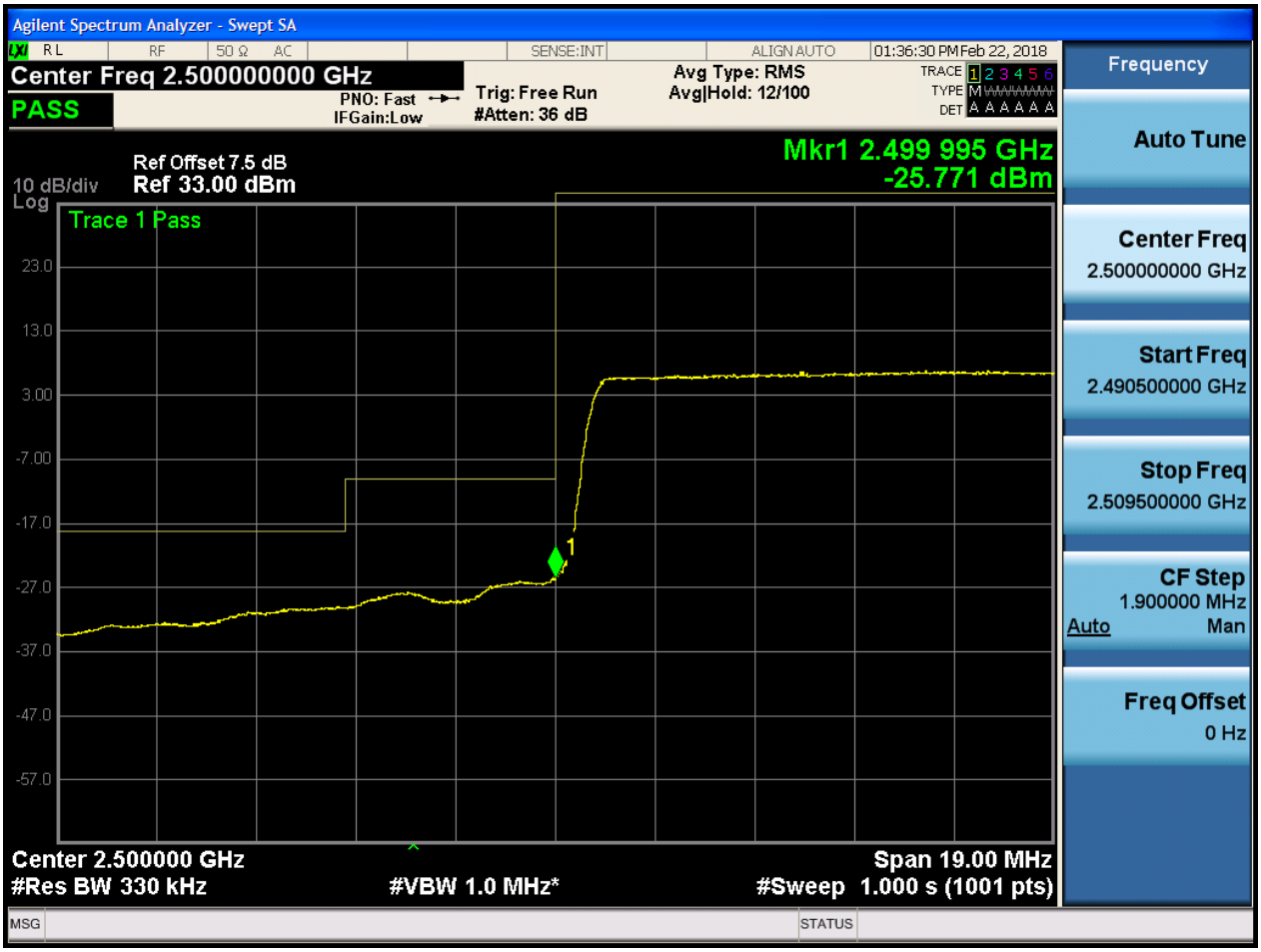
#### 5.1.1.1.3.1.2 Test RB = RB1#74



### 5.1.1.1.3.1.3 Test RB = RB36#18

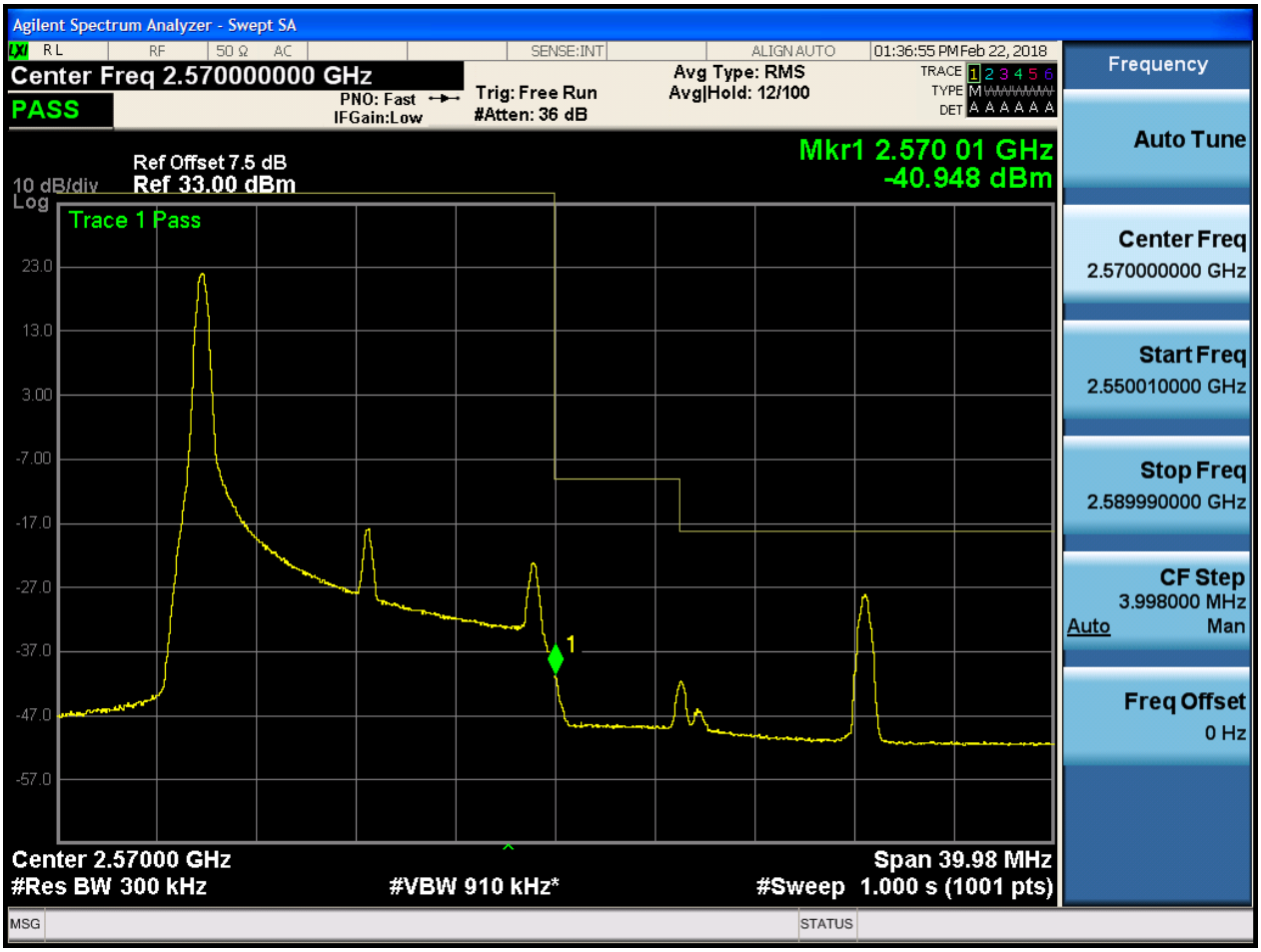


#### 5.1.1.1.3.1.4 Test RB = RB75#0

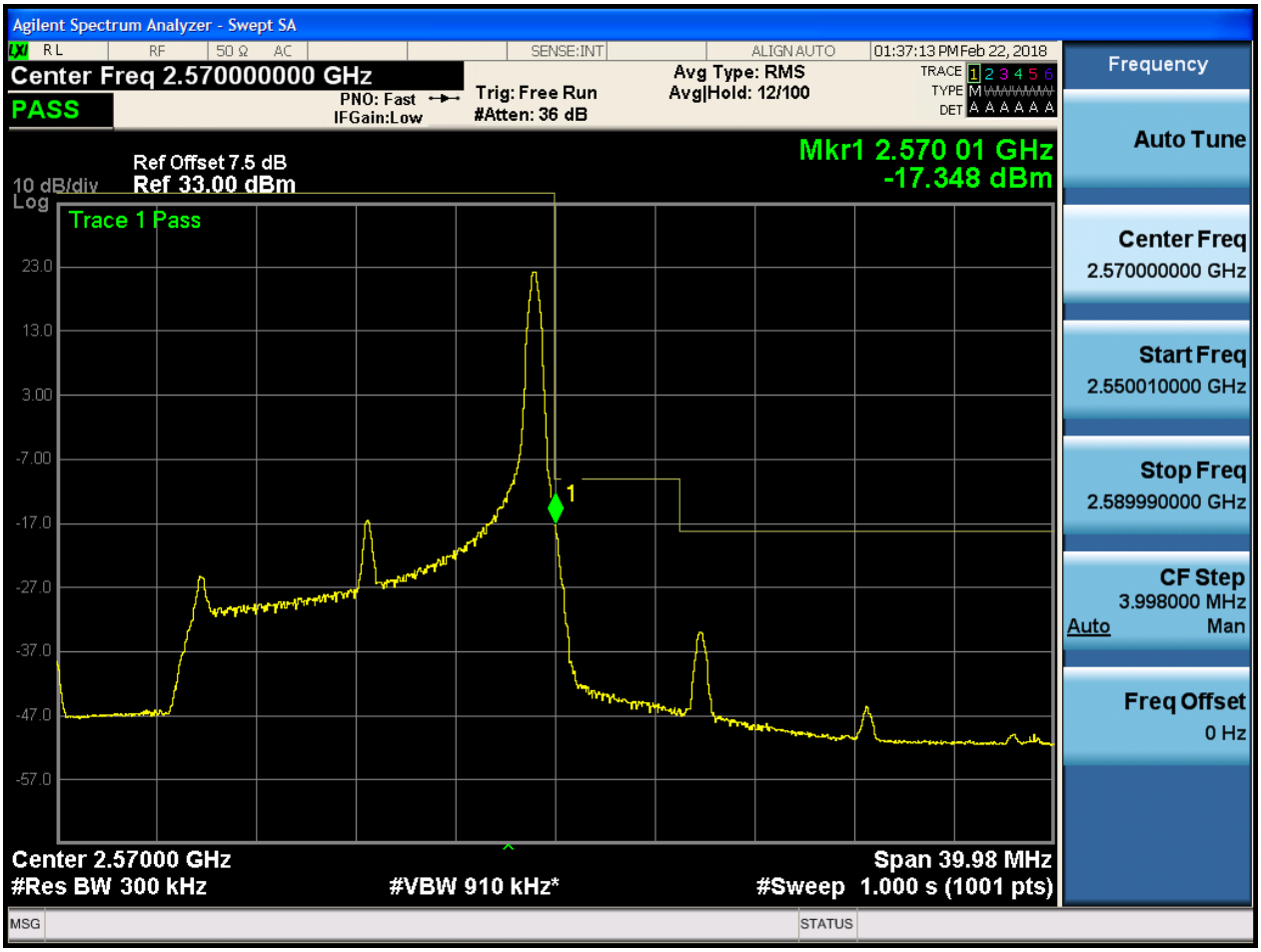


#### 5.1.1.1.3.2 Test Channel = HCH

##### 5.1.1.1.3.2.1 Test RB = RB1#0



#### 5.1.1.1.3.2.2 Test RB = RB1#74



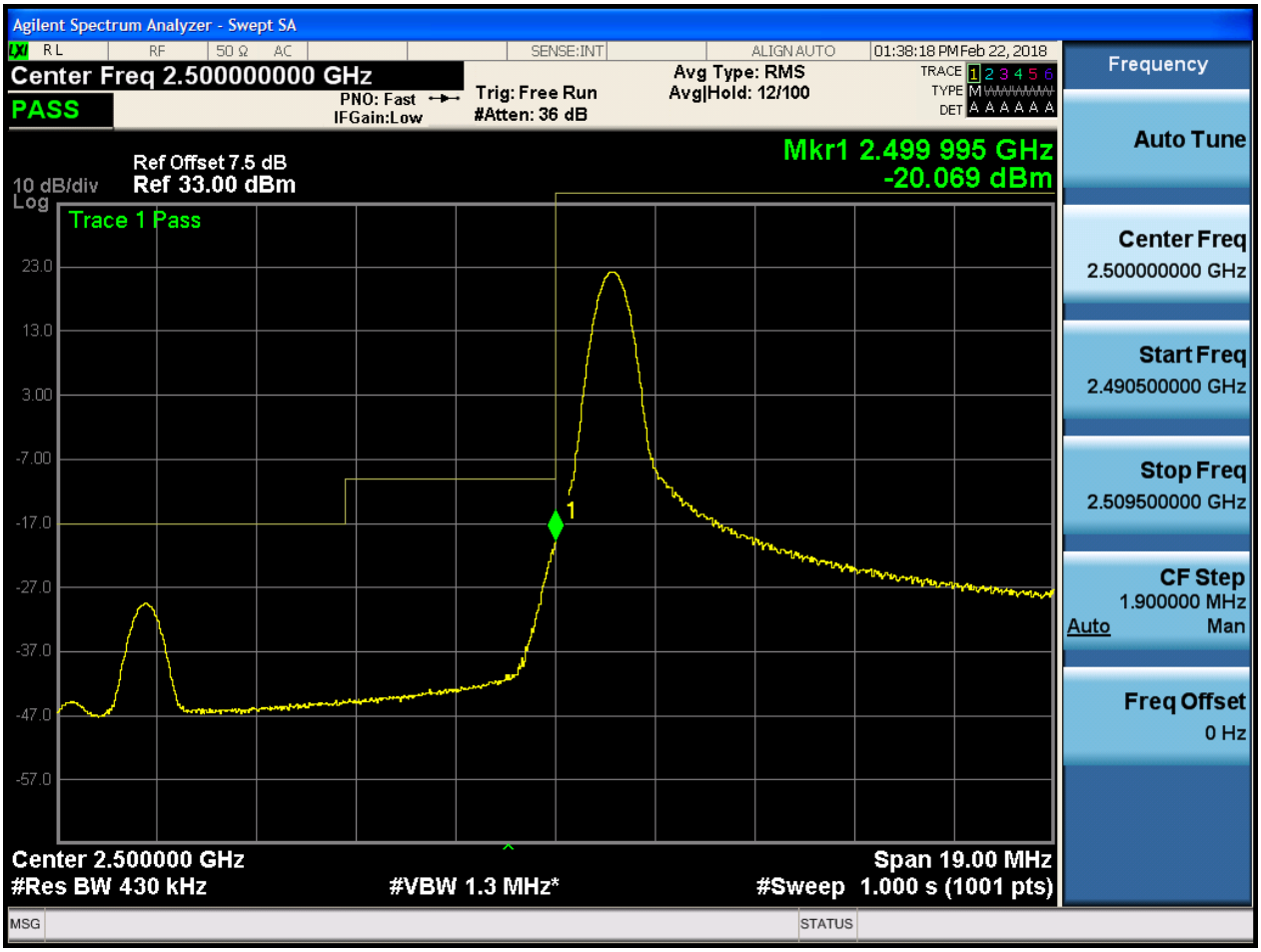
#### 5.1.1.1.3.2.3 Test RB = RB36#18

#### 5.1.1.1.3.2.4 Test RB = RB75#0

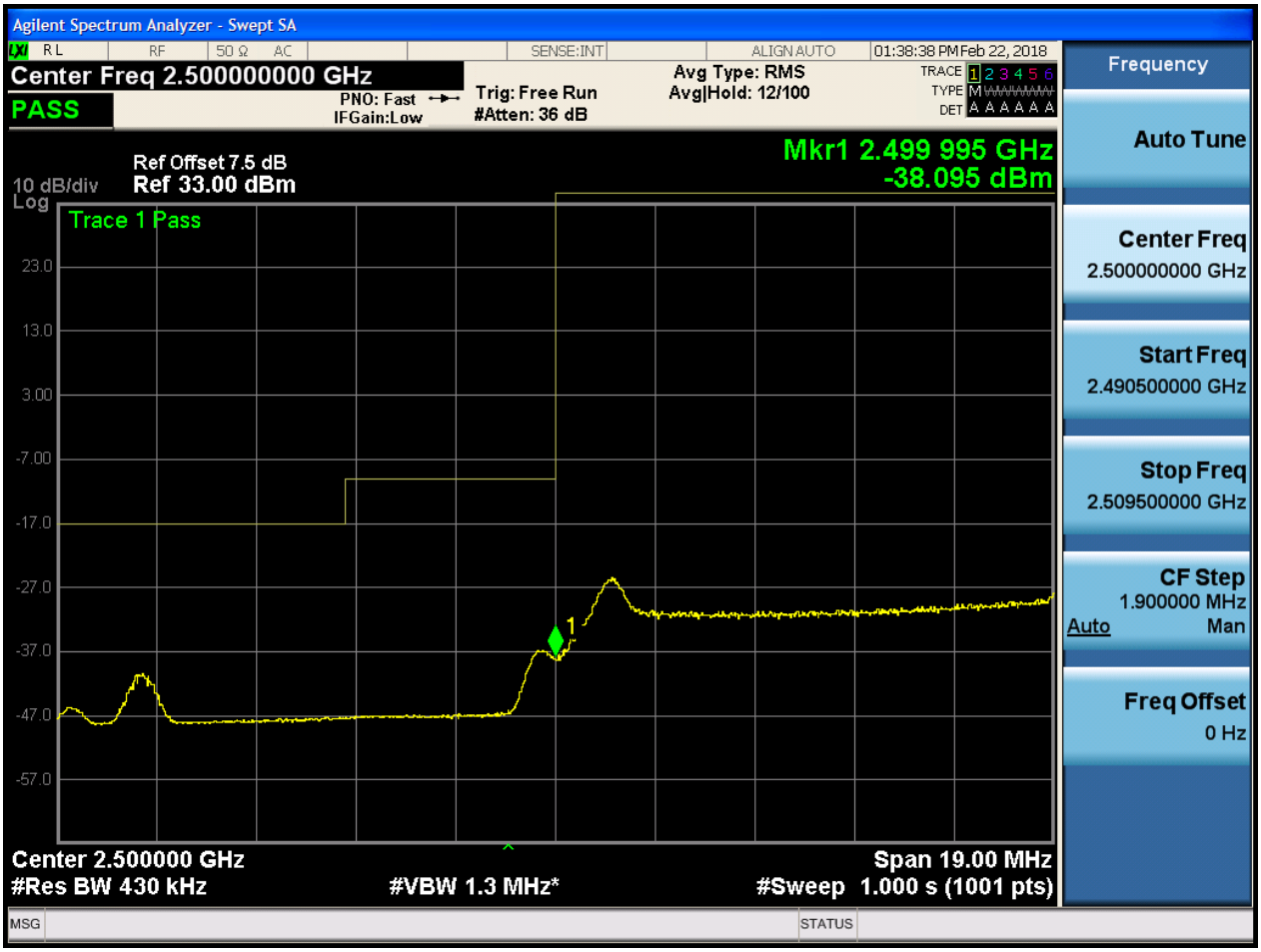
#### 5.1.1.1.4 Test Bandwidth = 20

##### 5.1.1.1.4.1 Test Channel = LCH

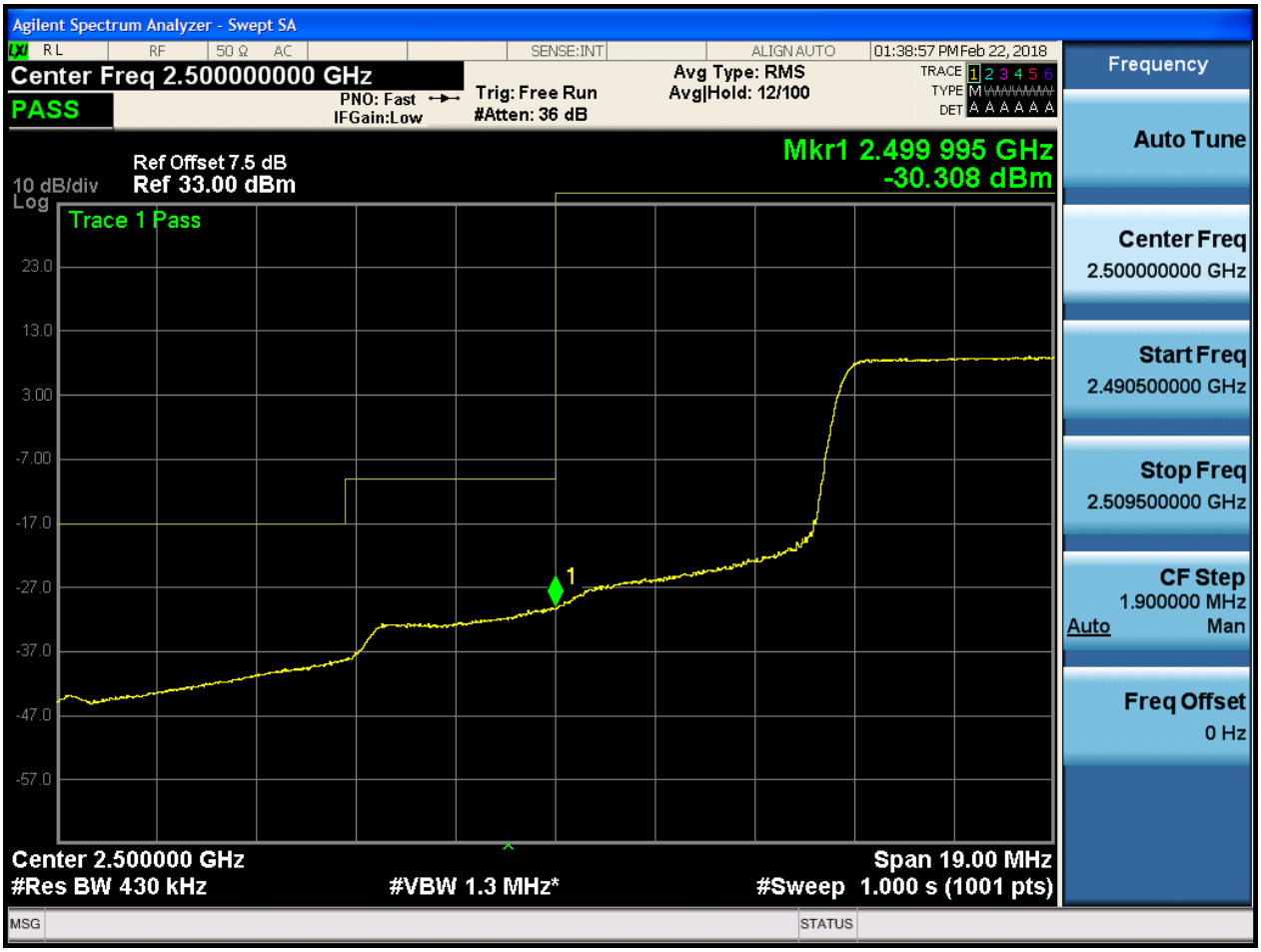
###### 5.1.1.1.4.1.1 Test RB = RB1#0



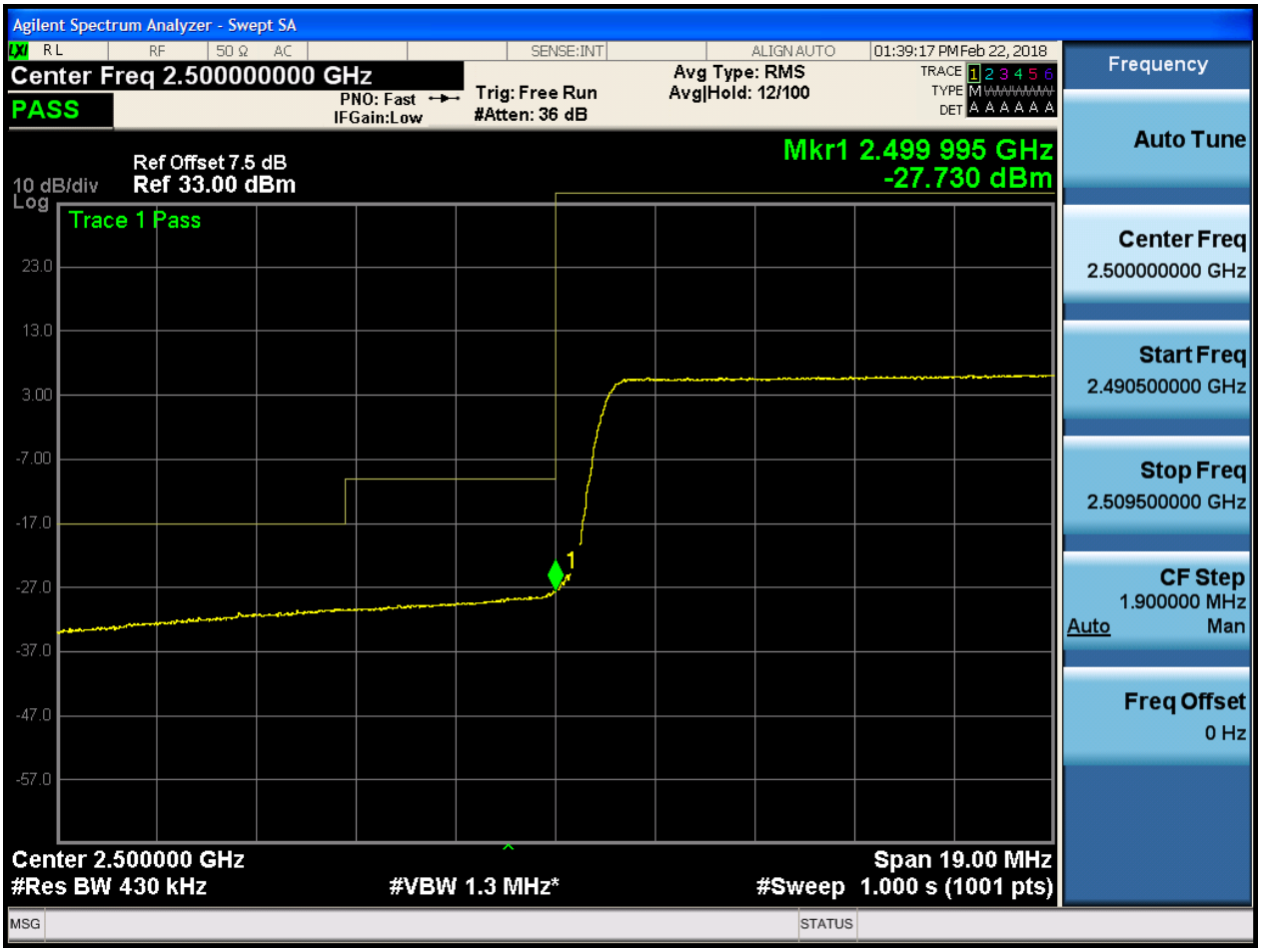
### 5.1.1.1.4.1.2 Test RB = RB1#99



#### 5.1.1.1.4.1.3 Test RB = RB50#25

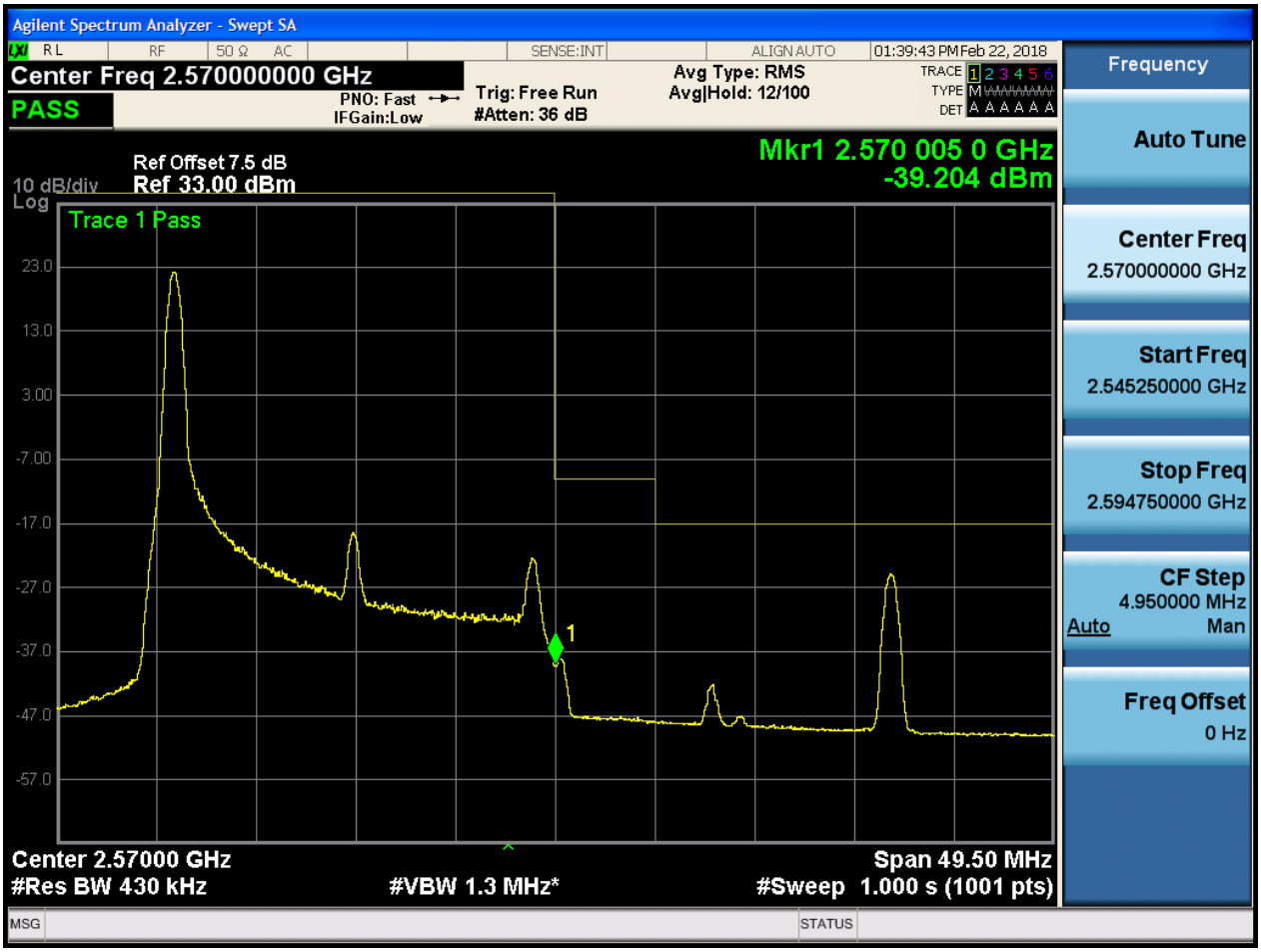


#### 5.1.1.1.4.1.4 Test RB = RB100#0

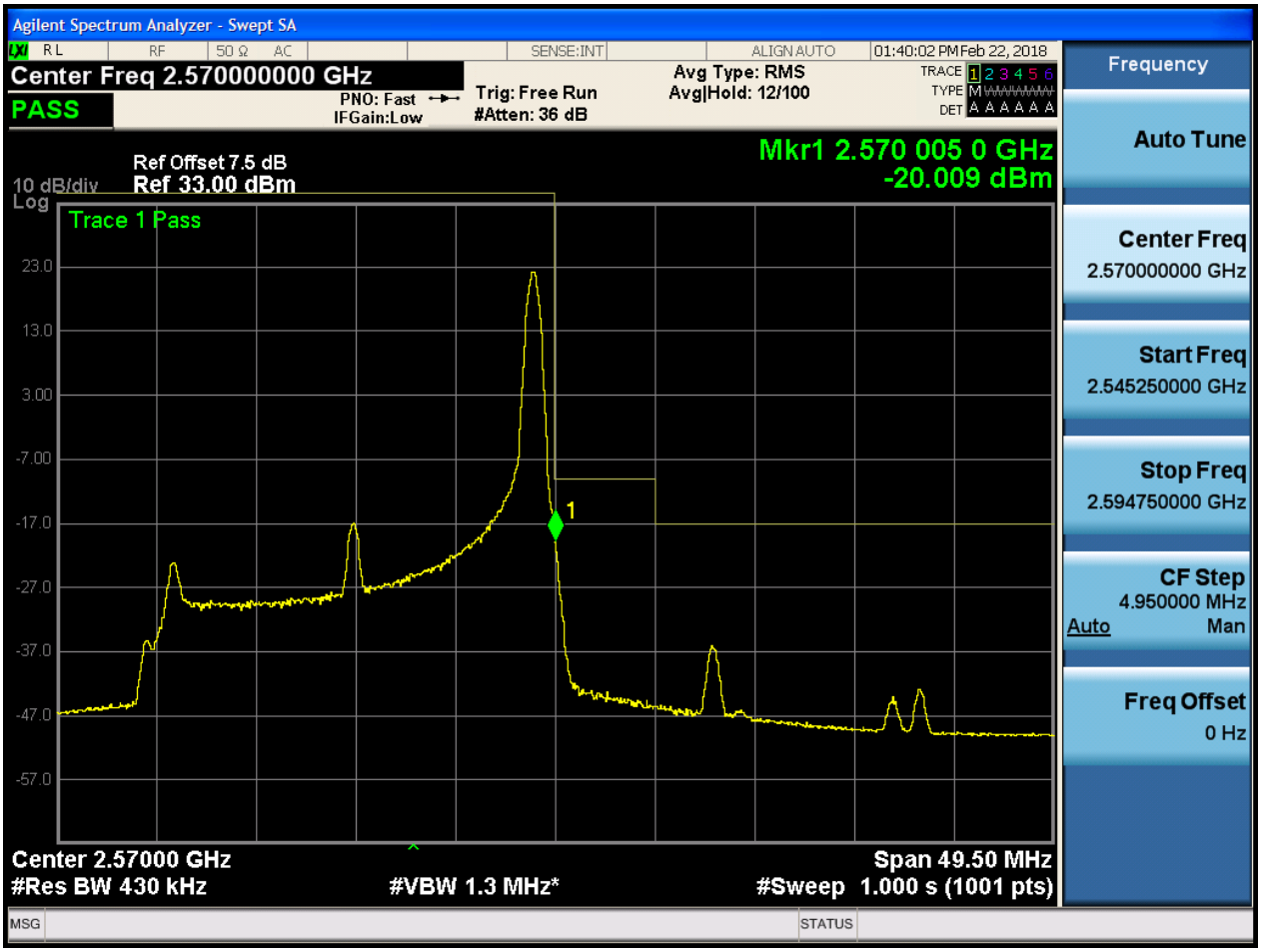


#### 5.1.1.1.4.2 Test Channel = HCH

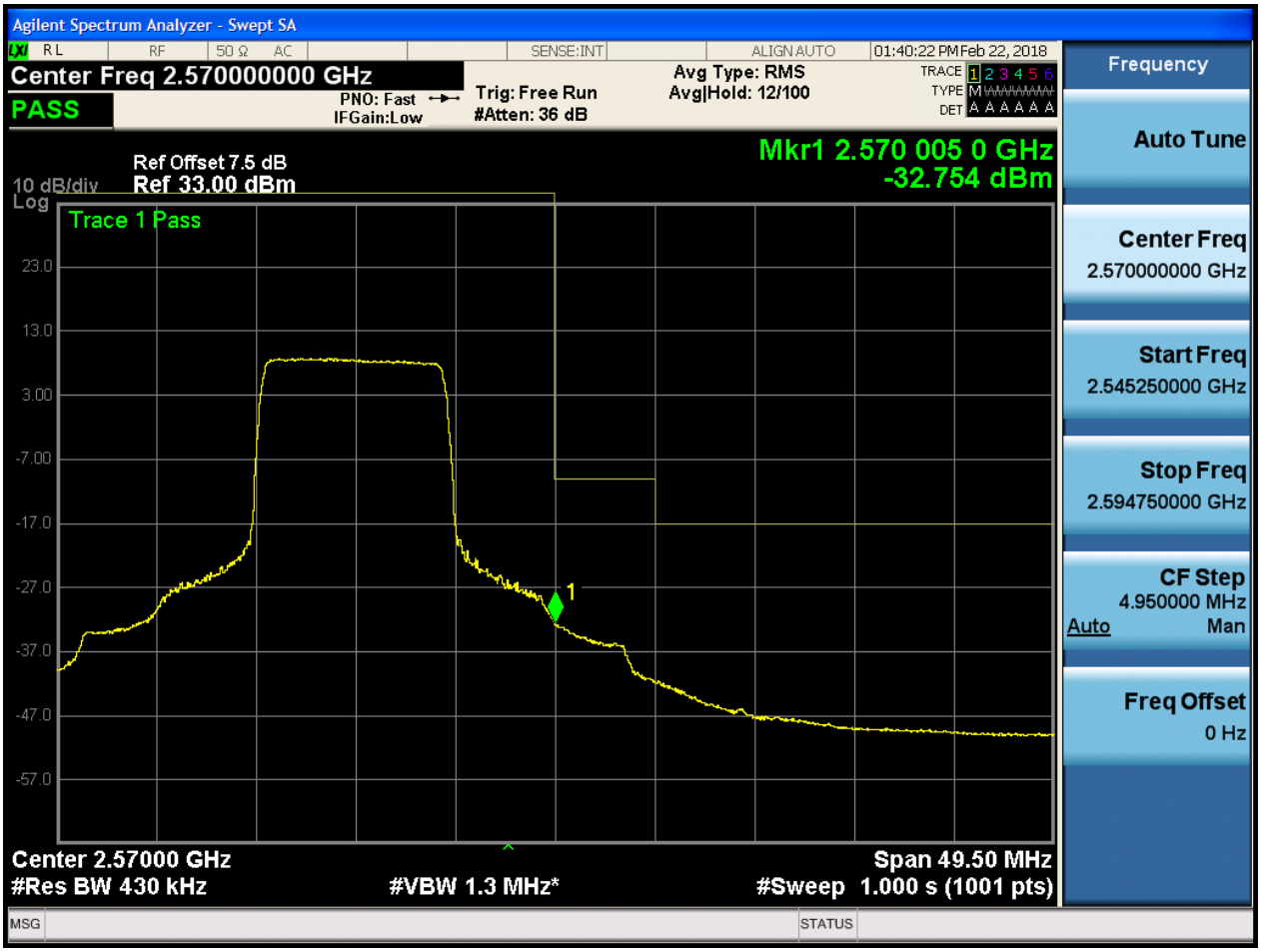
##### 5.1.1.1.4.2.1 Test RB = RB1#0



### 5.1.1.1.4.2.2 Test RB = RB1#99



### 5.1.1.1.4.2.3 Test RB = RB50#25



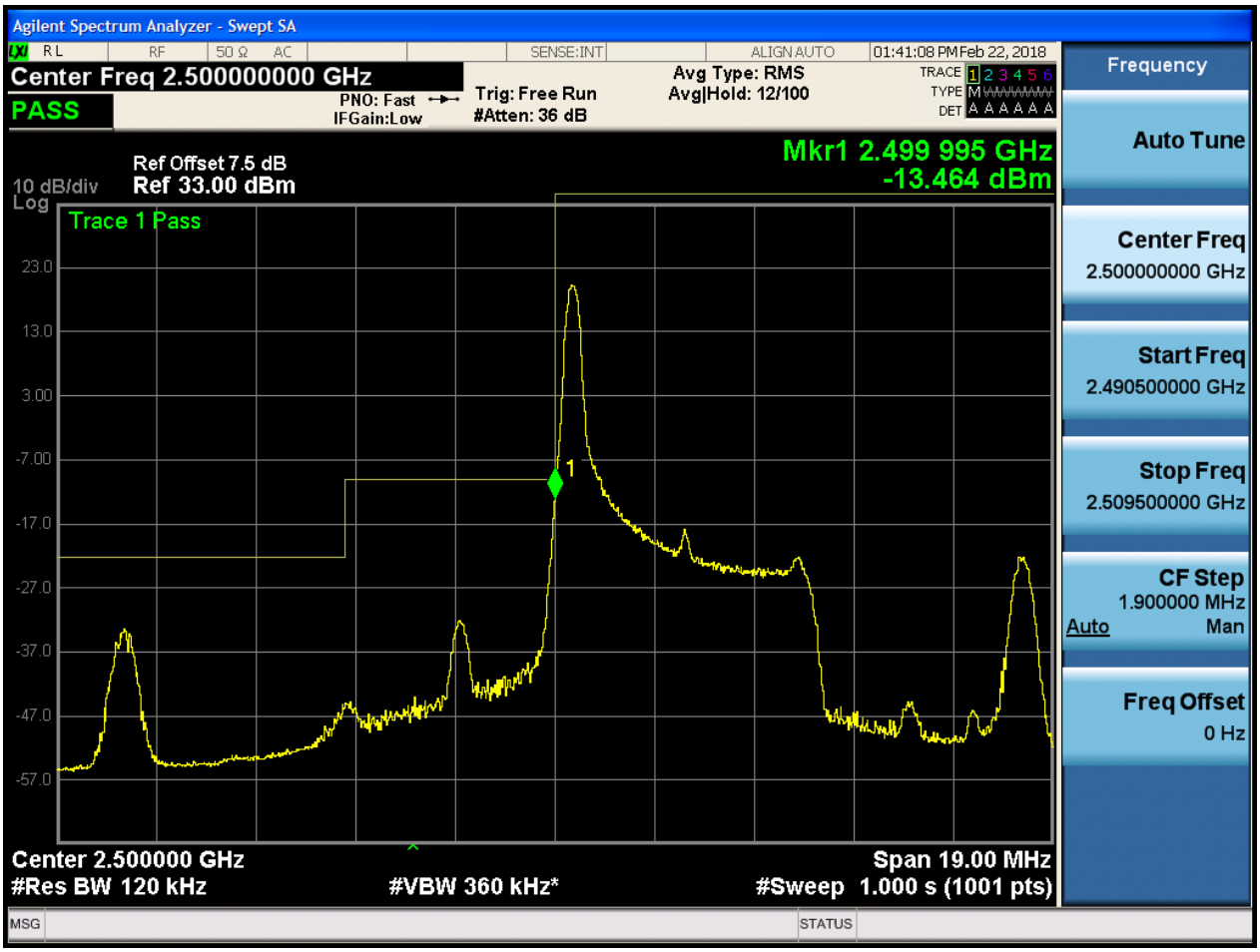
### 5.1.1.1.4.2.4 Test RB = RB100#0

#### 5.1.1.2 Test Mode = LTE/TM2

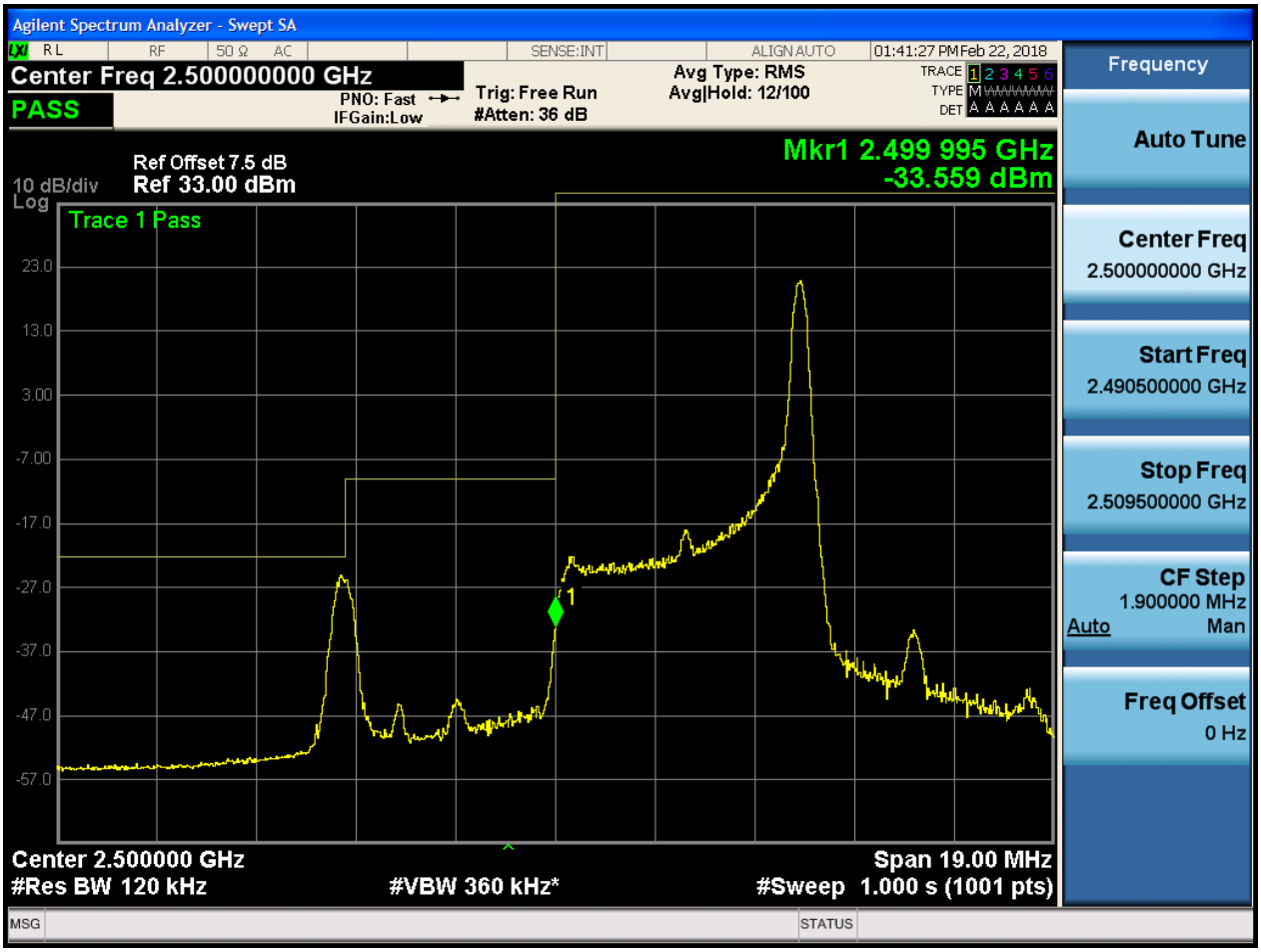
##### 5.1.1.2.1 Test Bandwidth = 5

###### 5.1.1.2.1.1 Test Channel = LCH

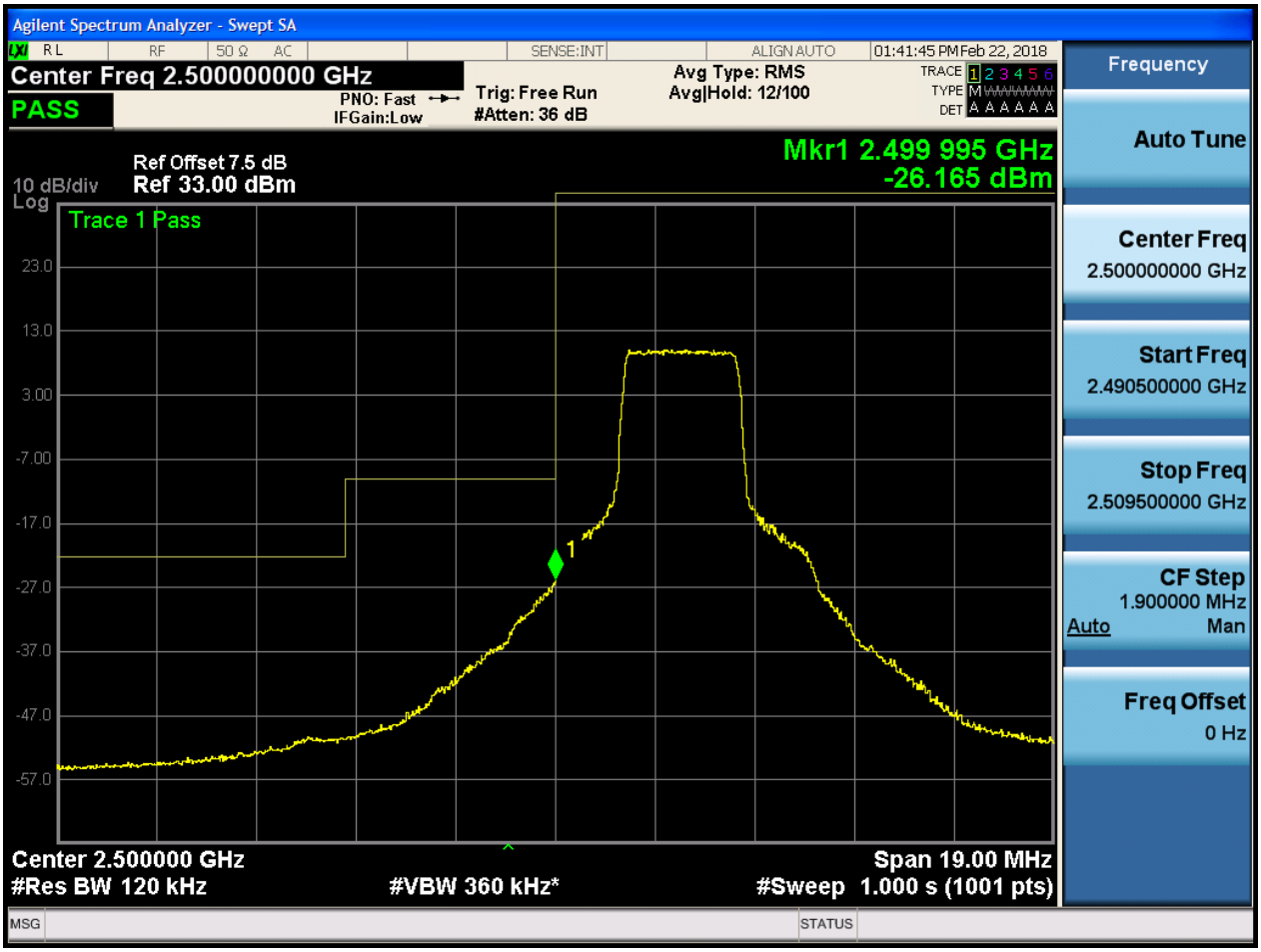
####### 5.1.1.2.1.1.1 Test RB = RB1#0



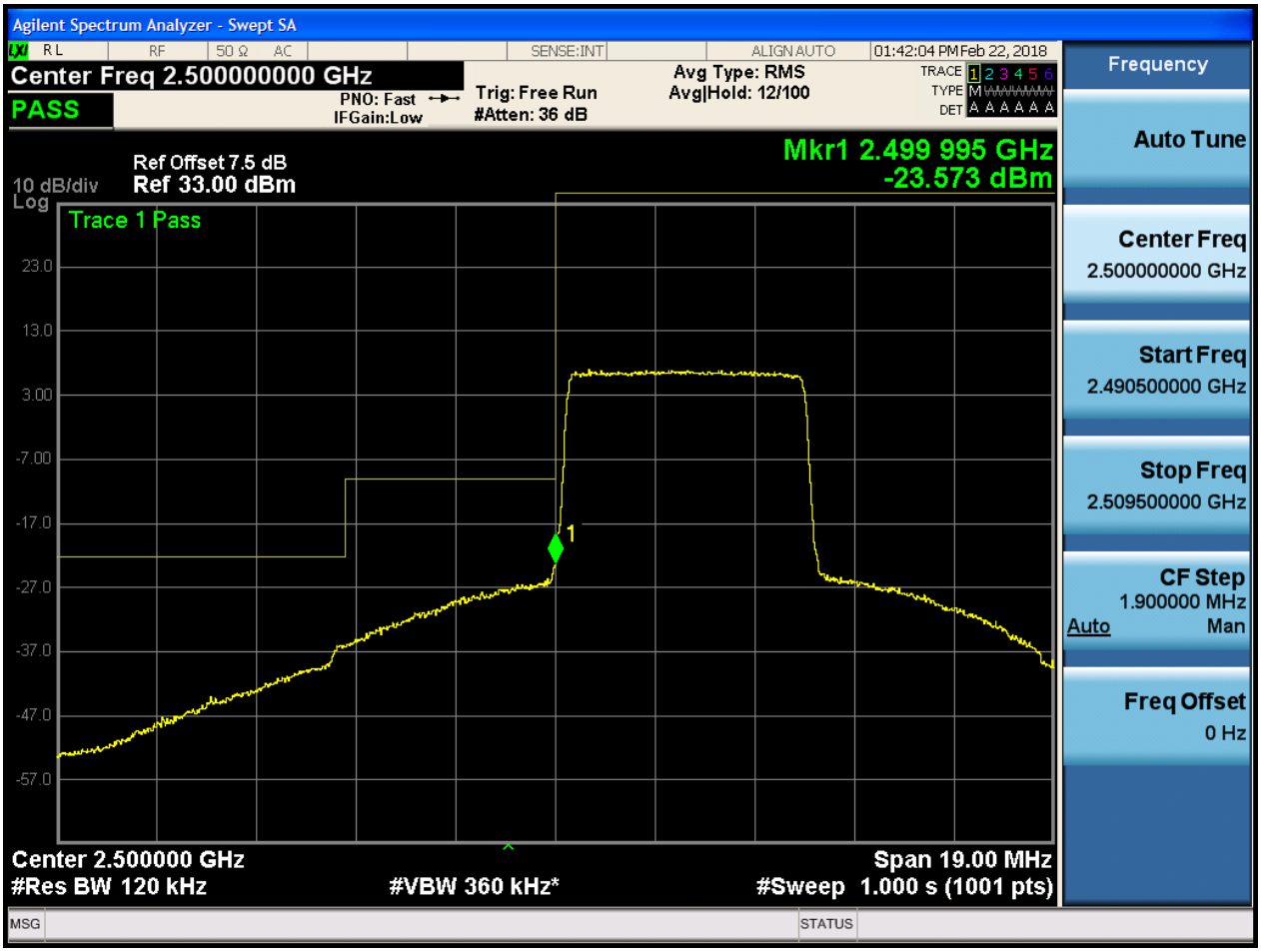
#### 5.1.1.2.1.1.2 Test RB = RB1#24



#### 5.1.1.2.1.1.3 Test RB = RB12#6

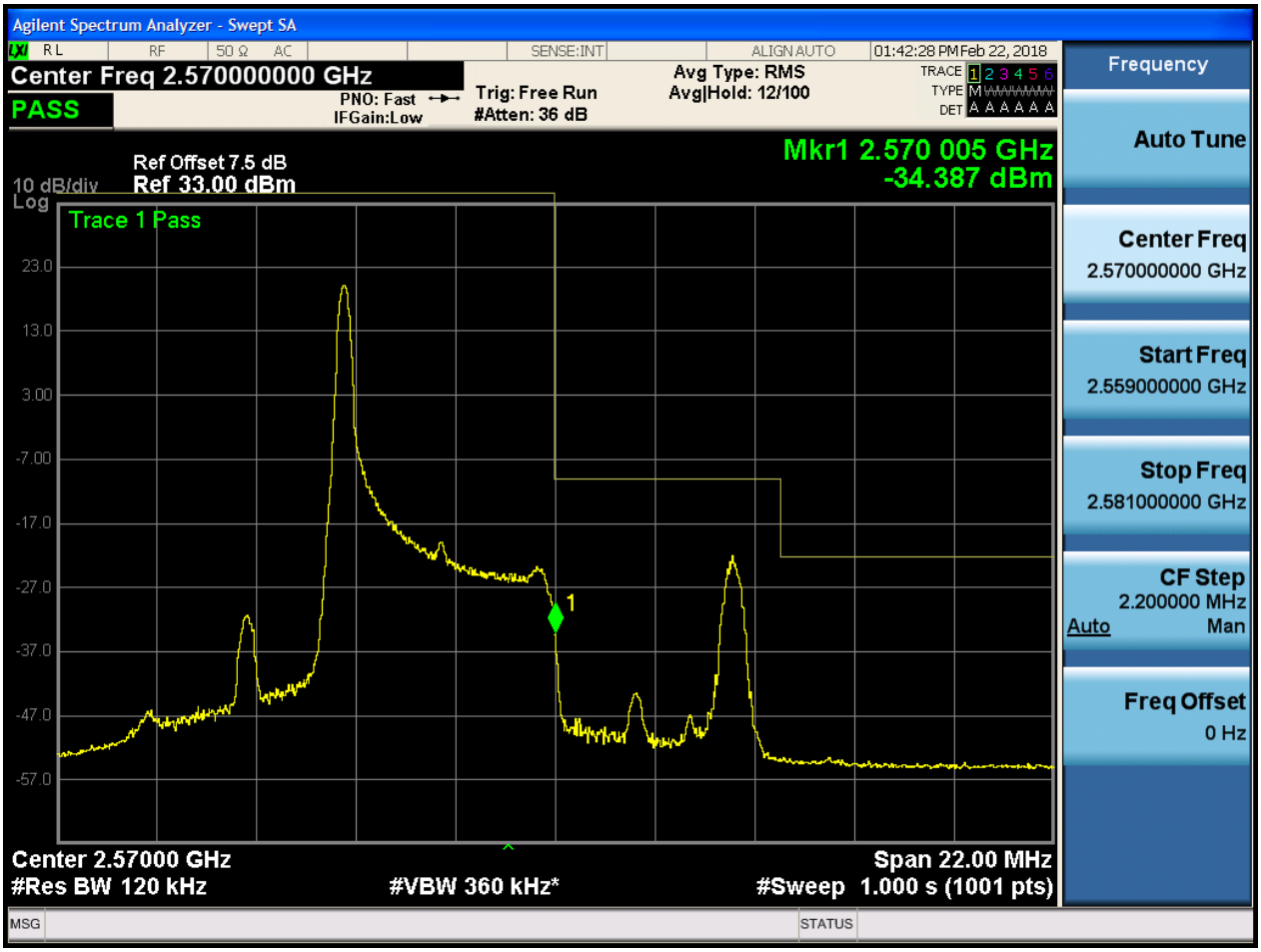


#### 5.1.1.2.1.1.4 Test RB = RB25#0



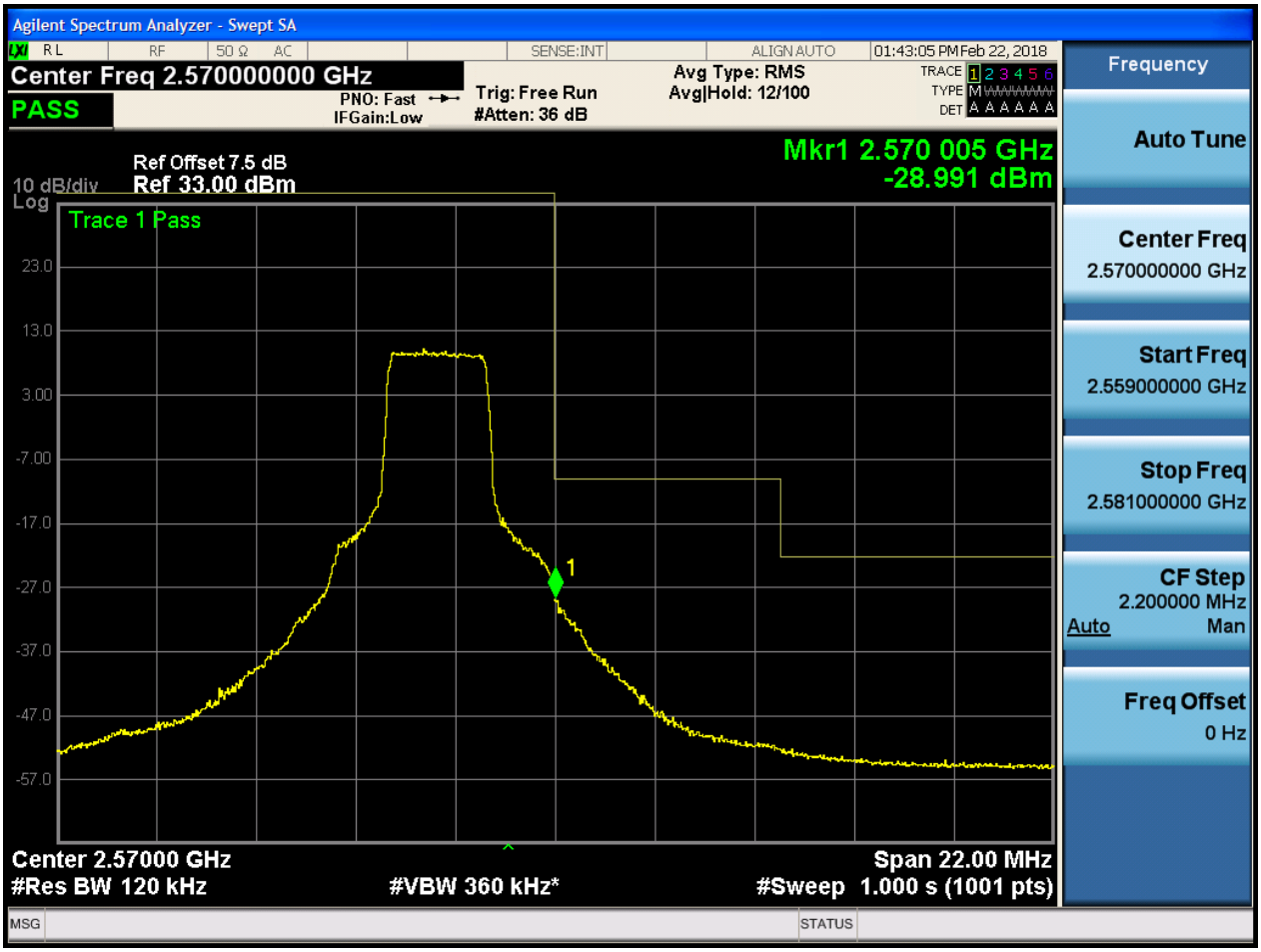
#### 5.1.1.2.1.2 Test Channel = HCH

##### 5.1.1.2.1.2.1 Test RB = RB1#0



#### 5.1.1.2.1.2.2 Test RB = RB1#24

### 5.1.1.2.1.2.3 Test RB = RB12#6

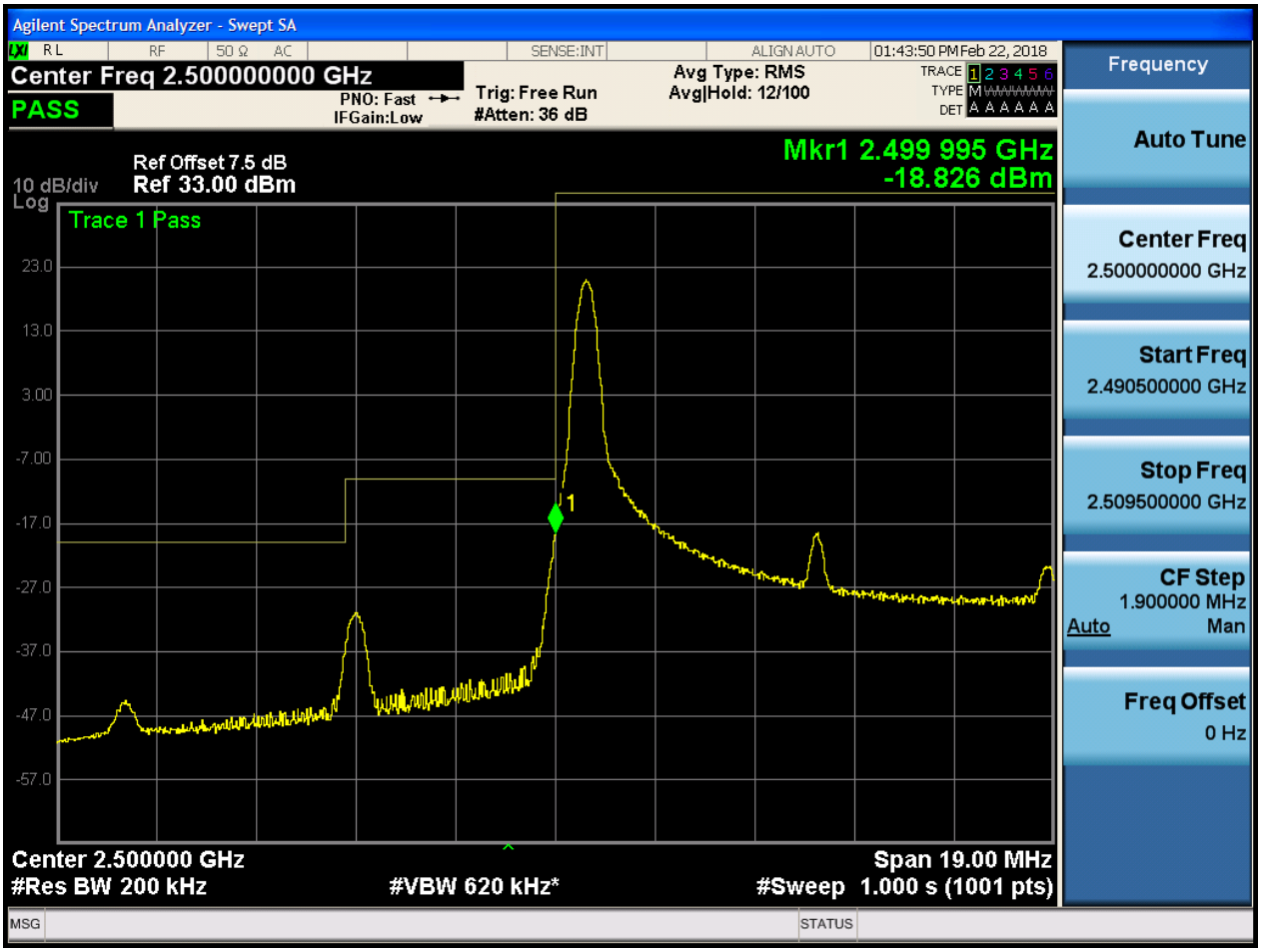


#### 5.1.1.2.1.2.4 Test RB = RB25#0

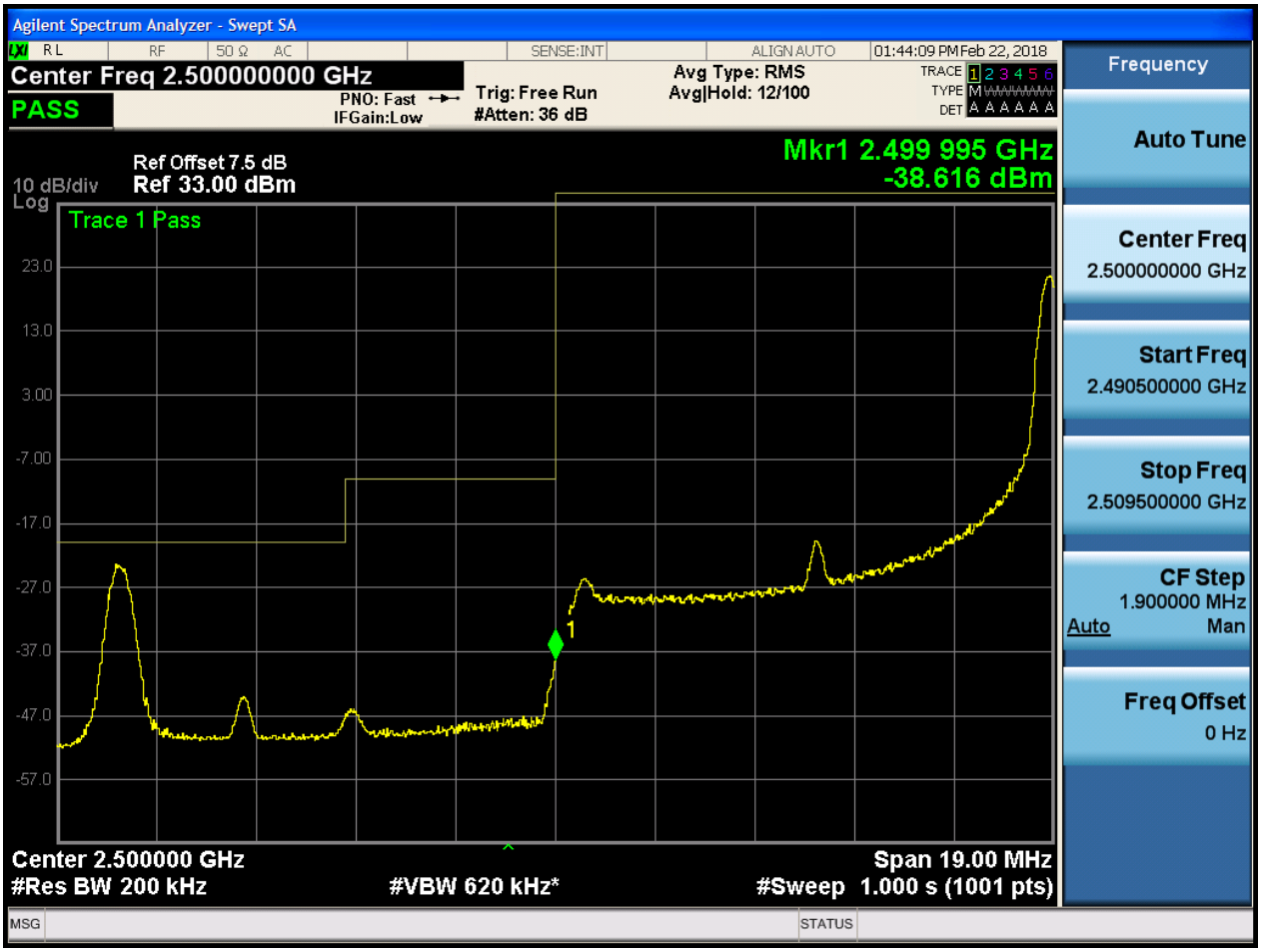
#### 5.1.1.2.2 Test Bandwidth = 10

##### 5.1.1.2.2.1 Test Channel = LCH

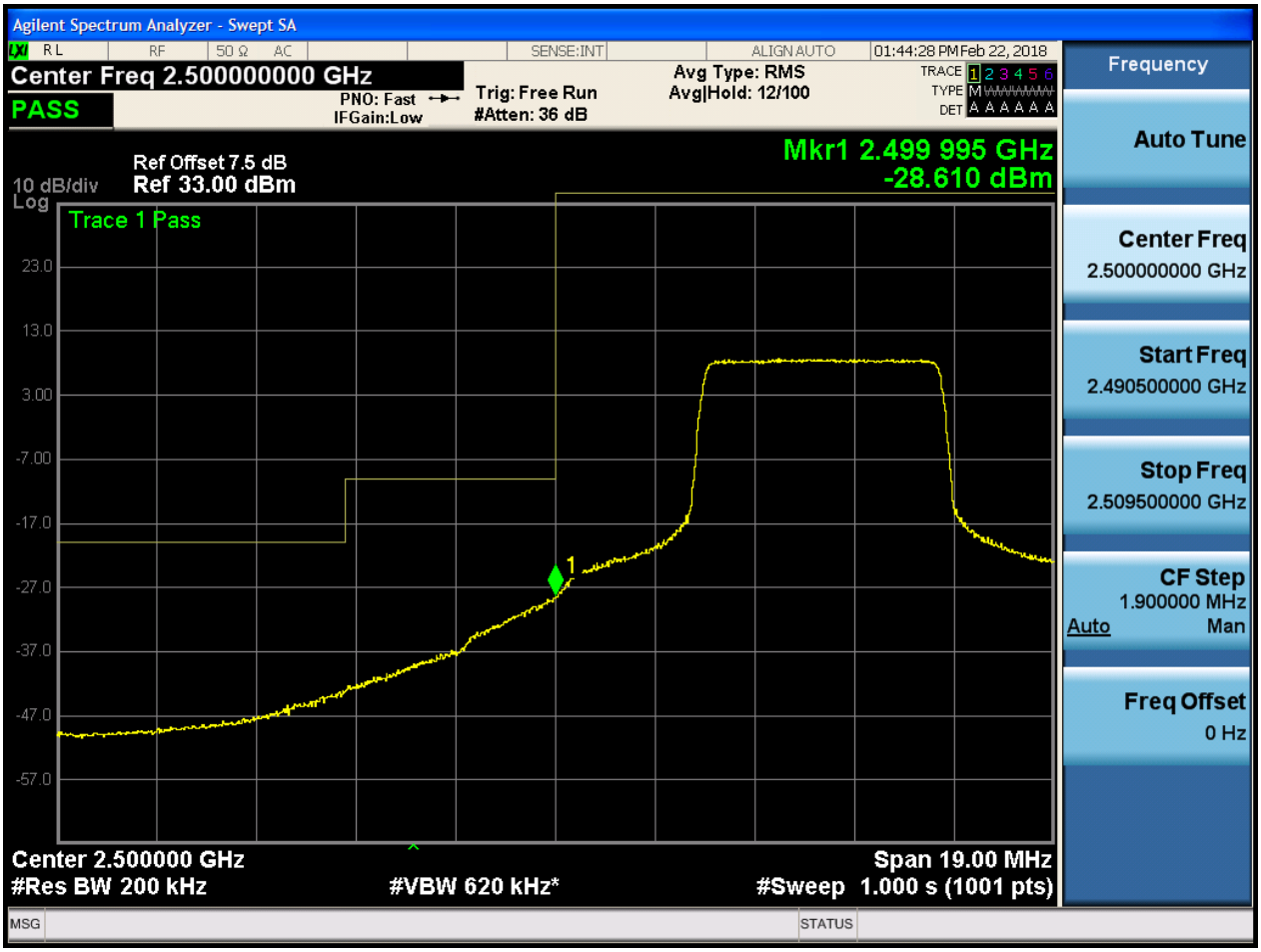
###### 5.1.1.2.2.1.1 Test RB = RB1#0



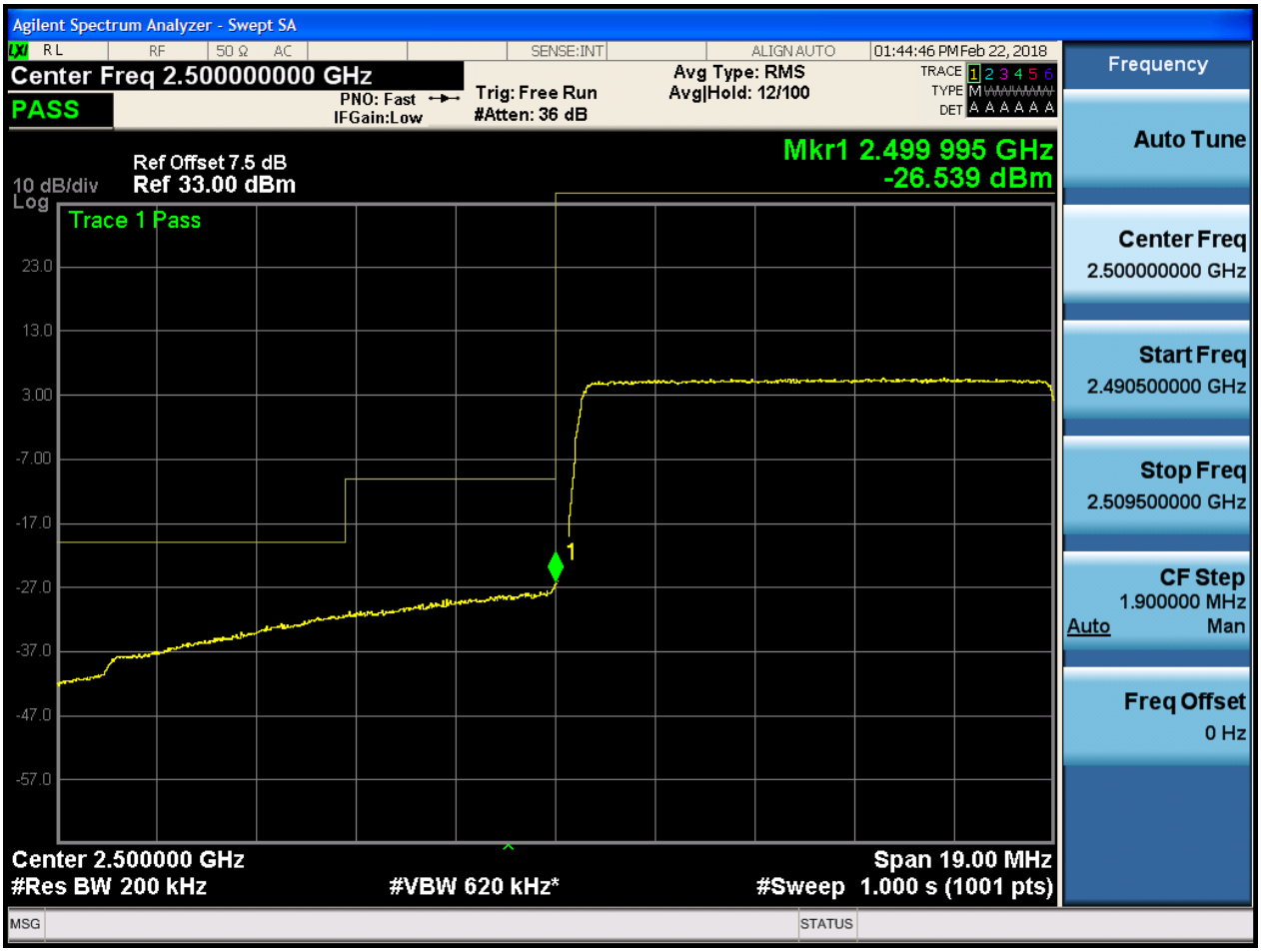
#### 5.1.1.2.2.1.2 Test RB = RB1#49



#### 5.1.1.2.2.1.3 Test RB = RB25#13

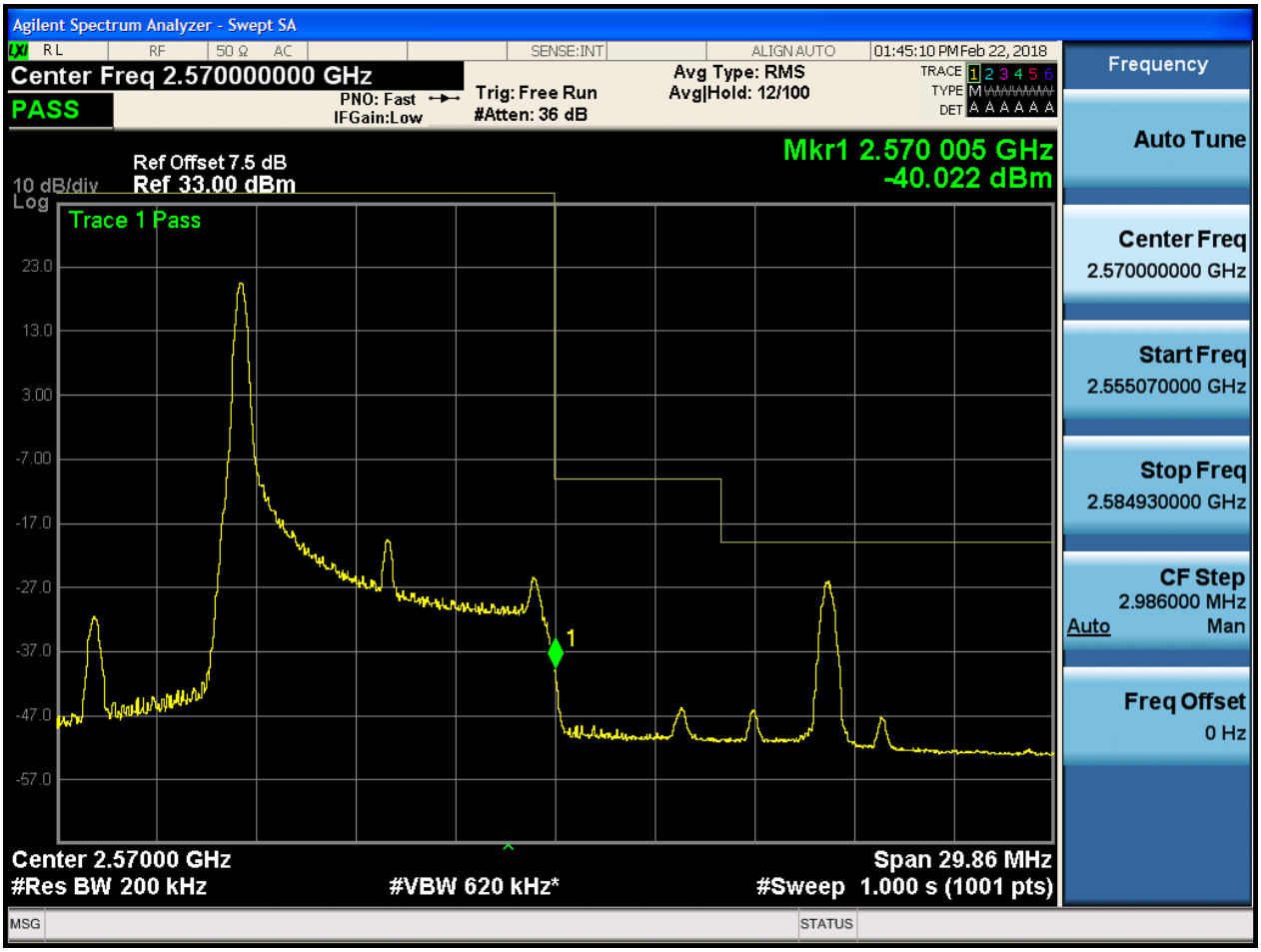


#### 5.1.1.2.2.1.4 Test RB = RB50#0

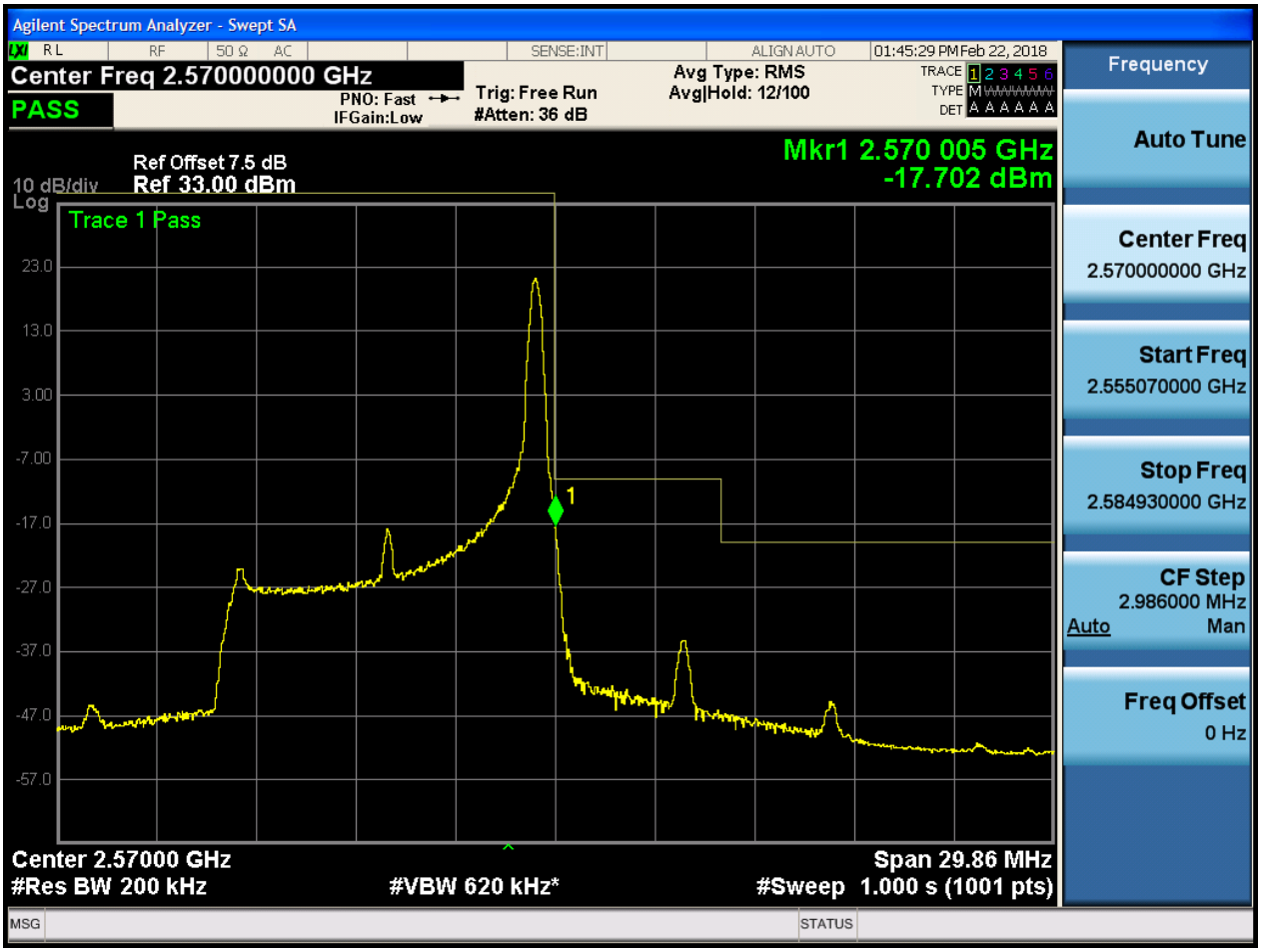


#### 5.1.1.2.2.2 Test Channel = HCH

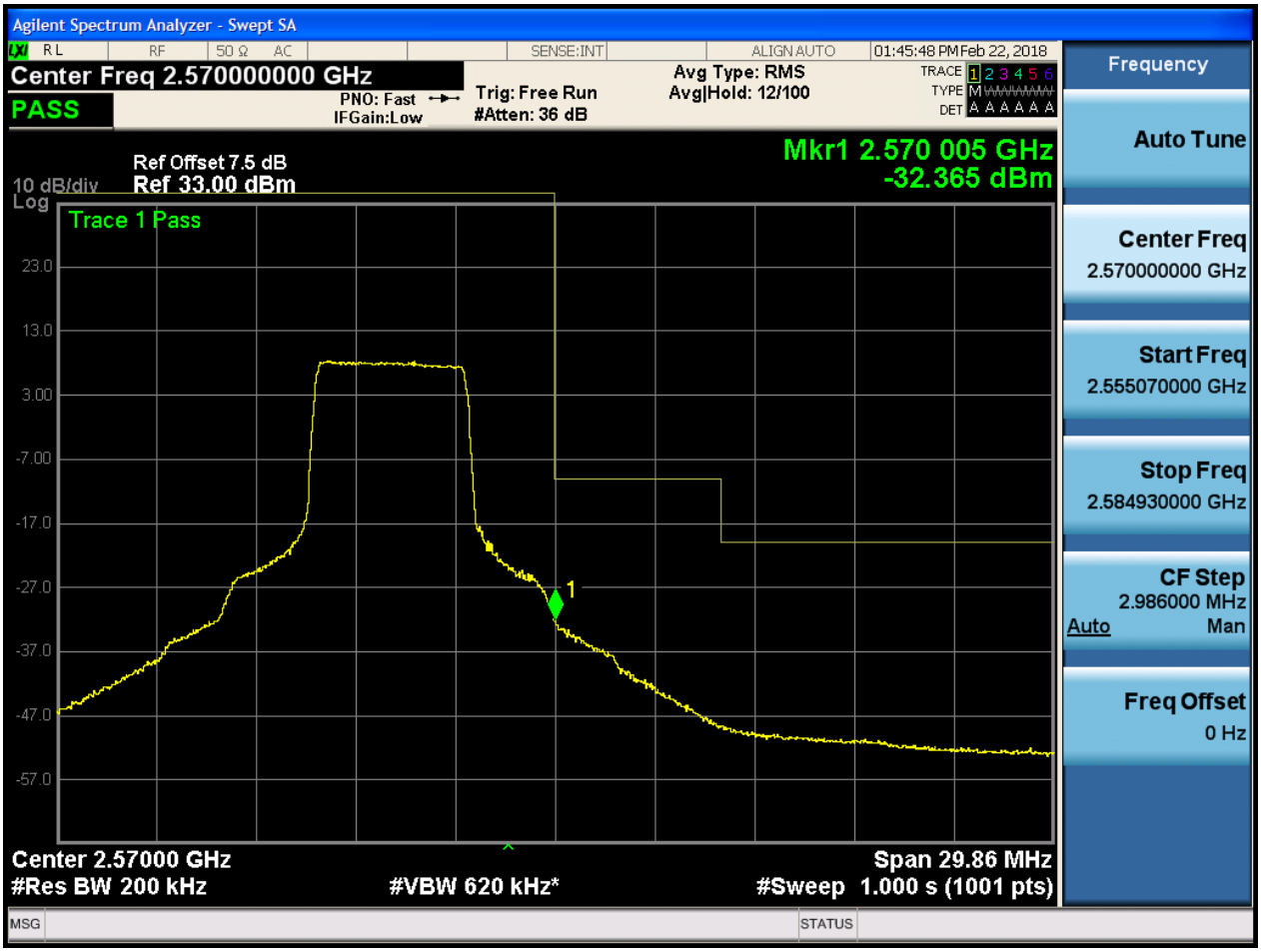
##### 5.1.1.2.2.2.1 Test RB = RB1#0



### 5.1.1.2.2.2 Test RB = RB1#49



#### 5.1.1.2.2.3 Test RB = RB25#13

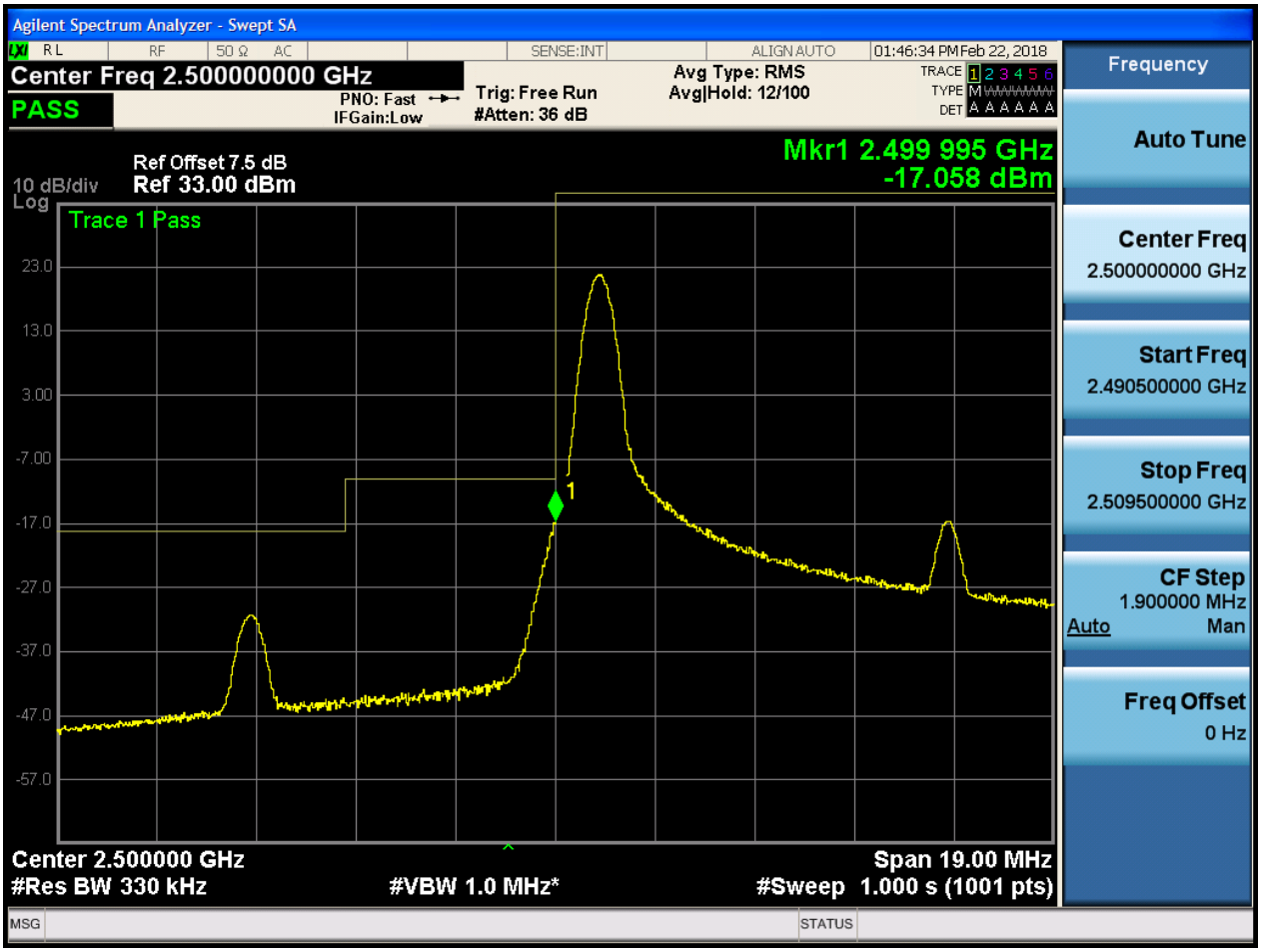


#### 5.1.1.2.2.4 Test RB = RB50#0

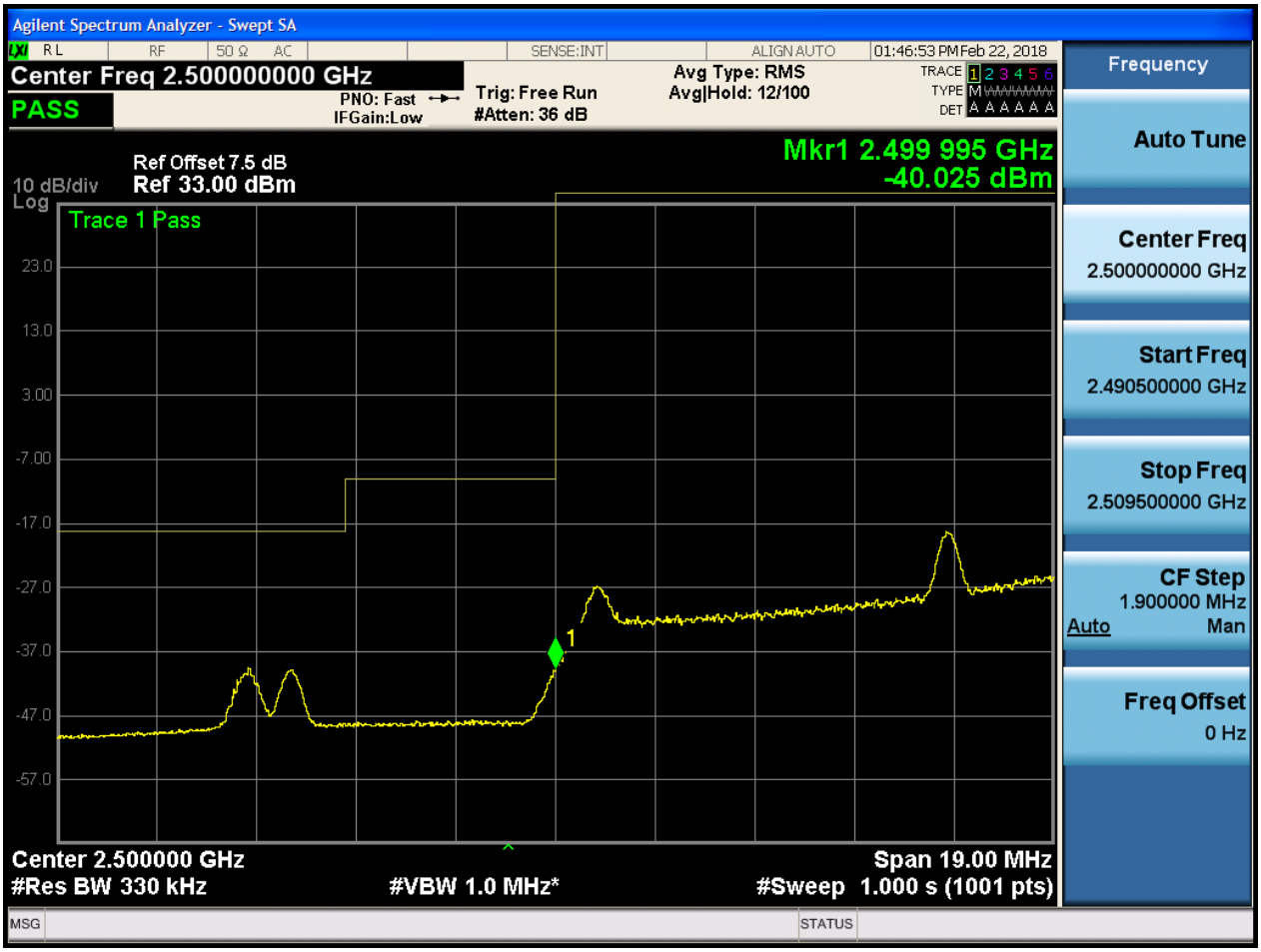
#### 5.1.1.2.3 Test Bandwidth = 15

##### 5.1.1.2.3.1 Test Channel = LCH

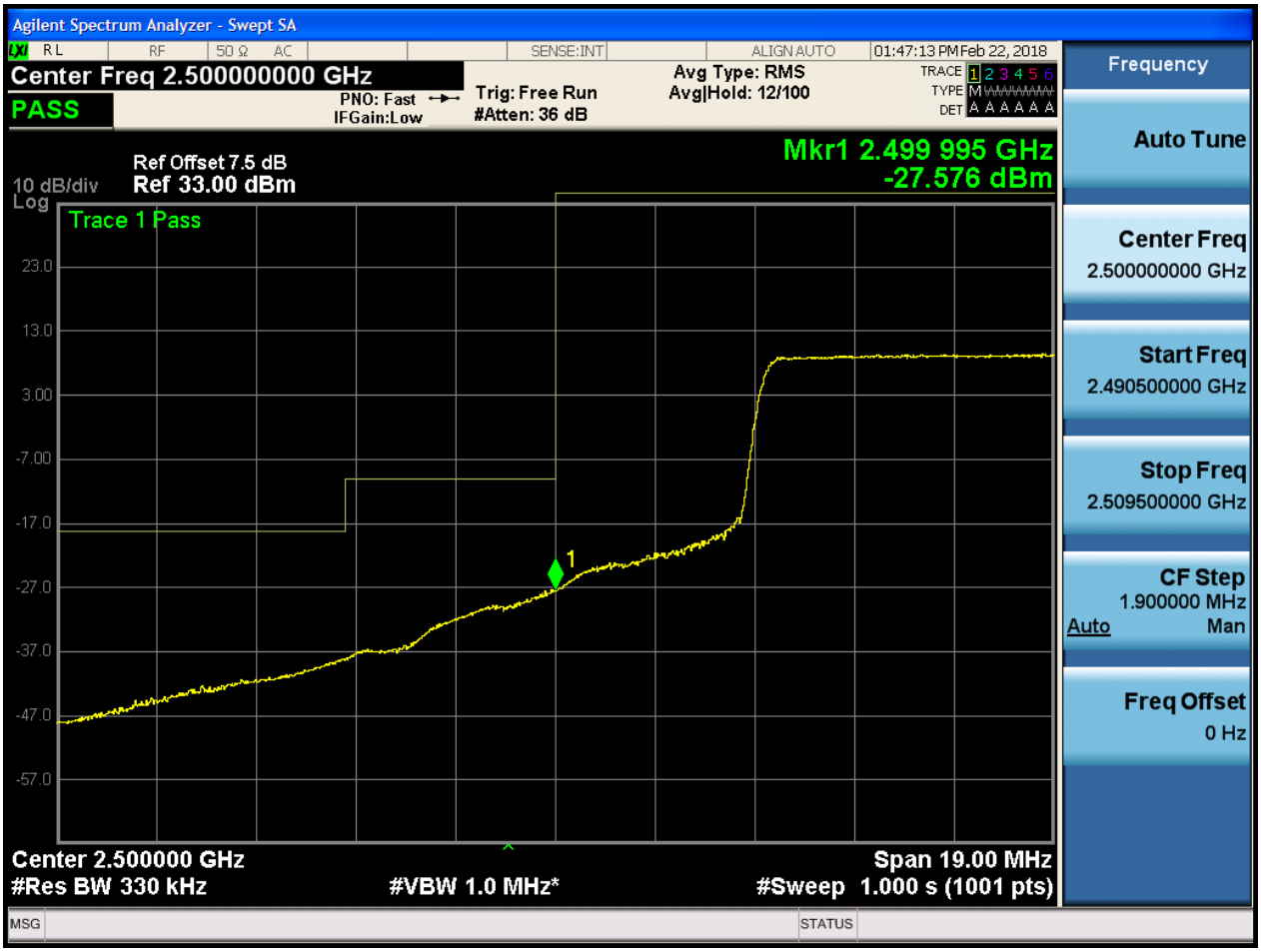
###### 5.1.1.2.3.1.1 Test RB = RB1#0



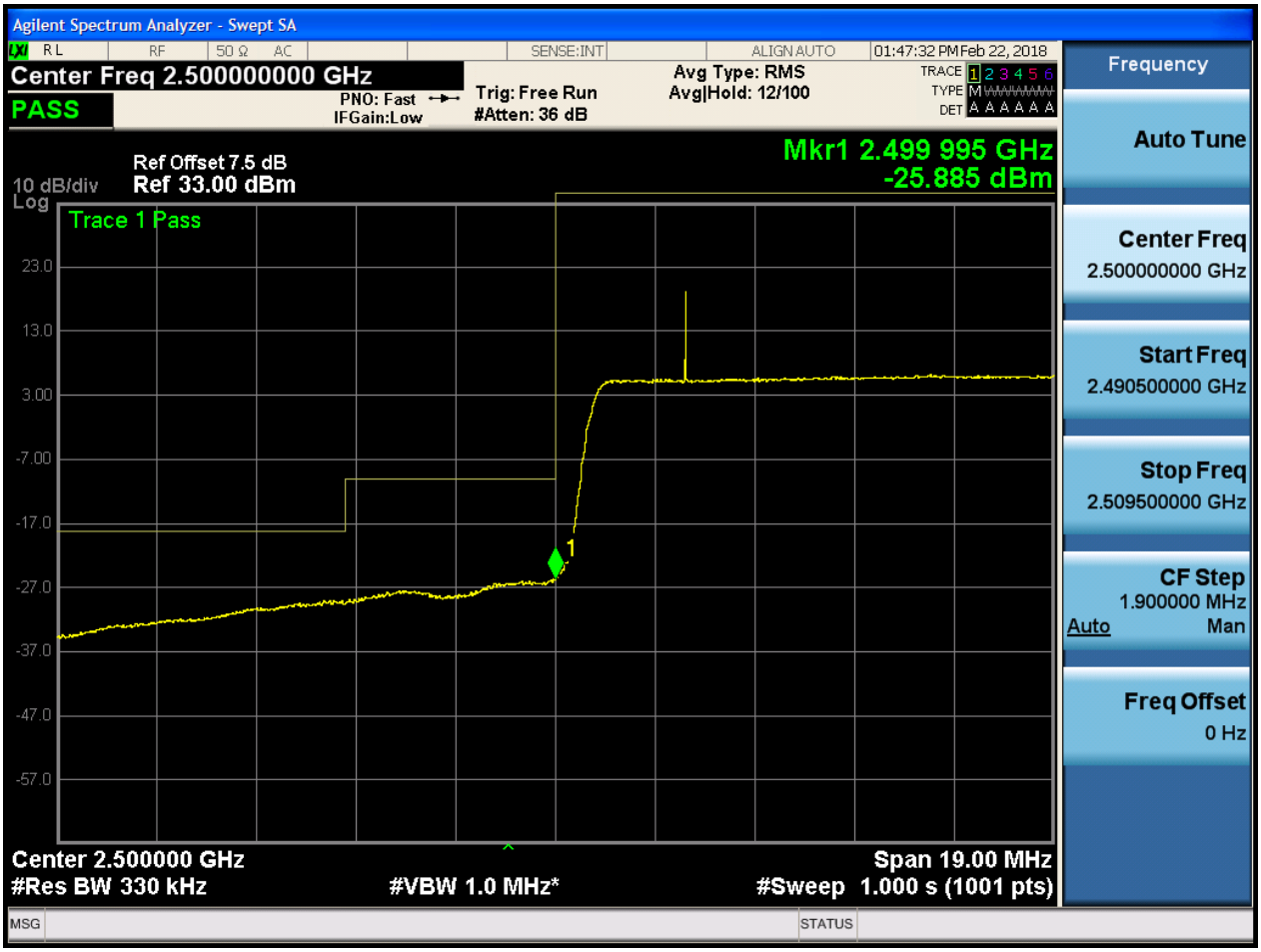
#### 5.1.1.2.3.1.2 Test RB = RB1#74



#### 5.1.1.2.3.1.3 Test RB = RB36#18

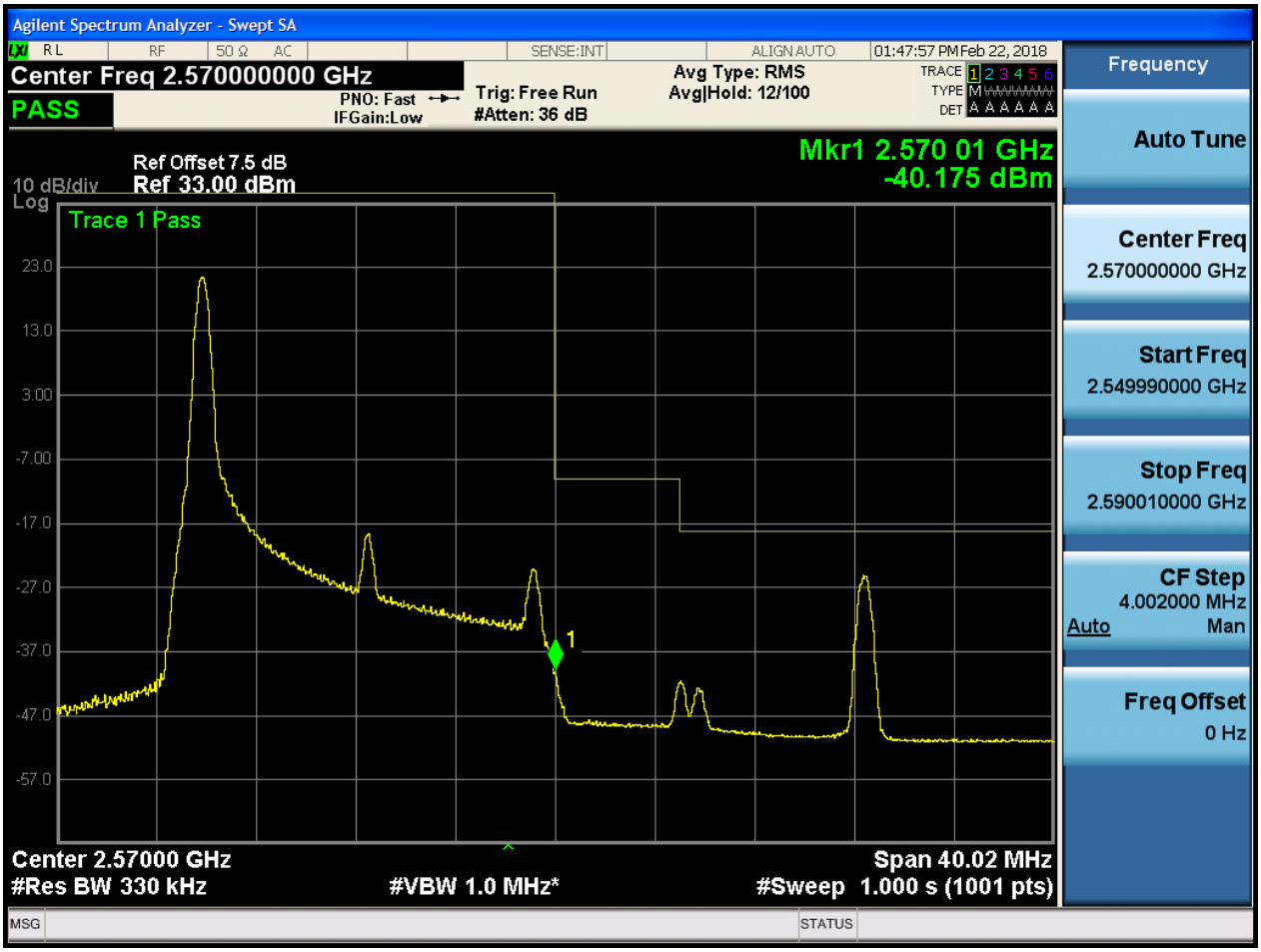


#### 5.1.1.2.3.1.4 Test RB = RB75#0

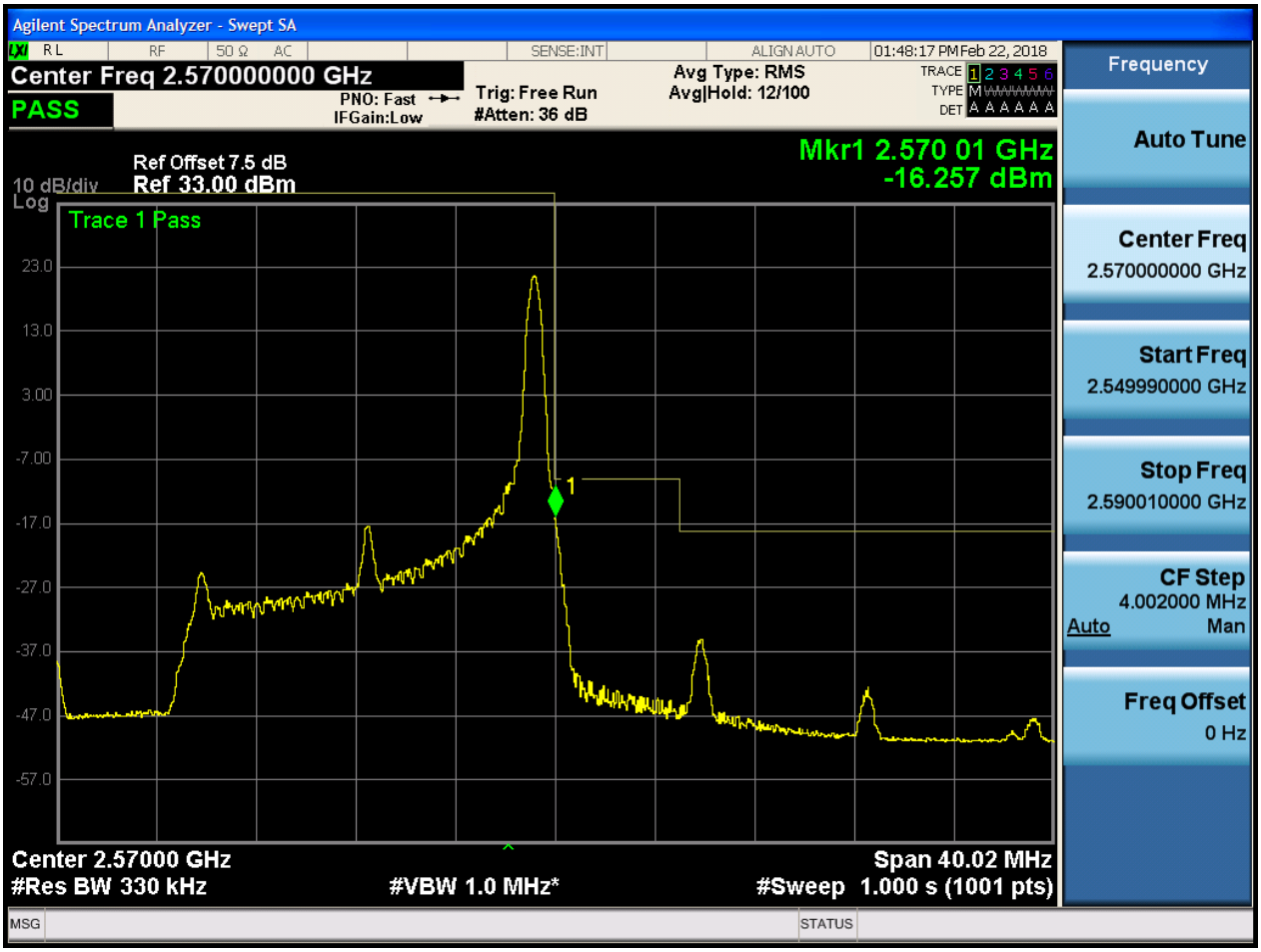


#### 5.1.1.2.3.2 Test Channel = HCH

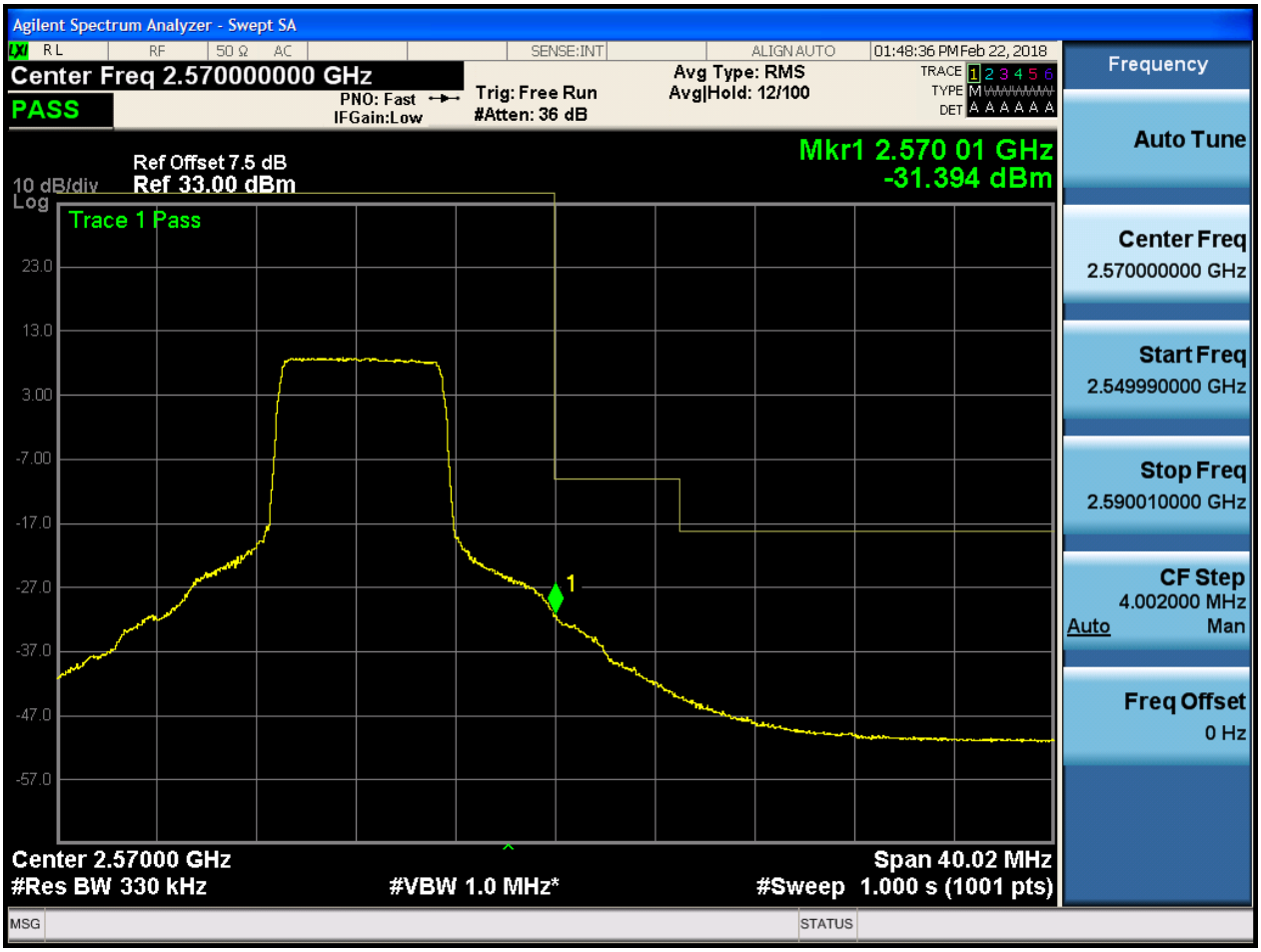
##### 5.1.1.2.3.2.1 Test RB = RB1#0



#### 5.1.1.2.3.2.2 Test RB = RB1#74



#### 5.1.1.2.3.2.3 Test RB = RB36#18

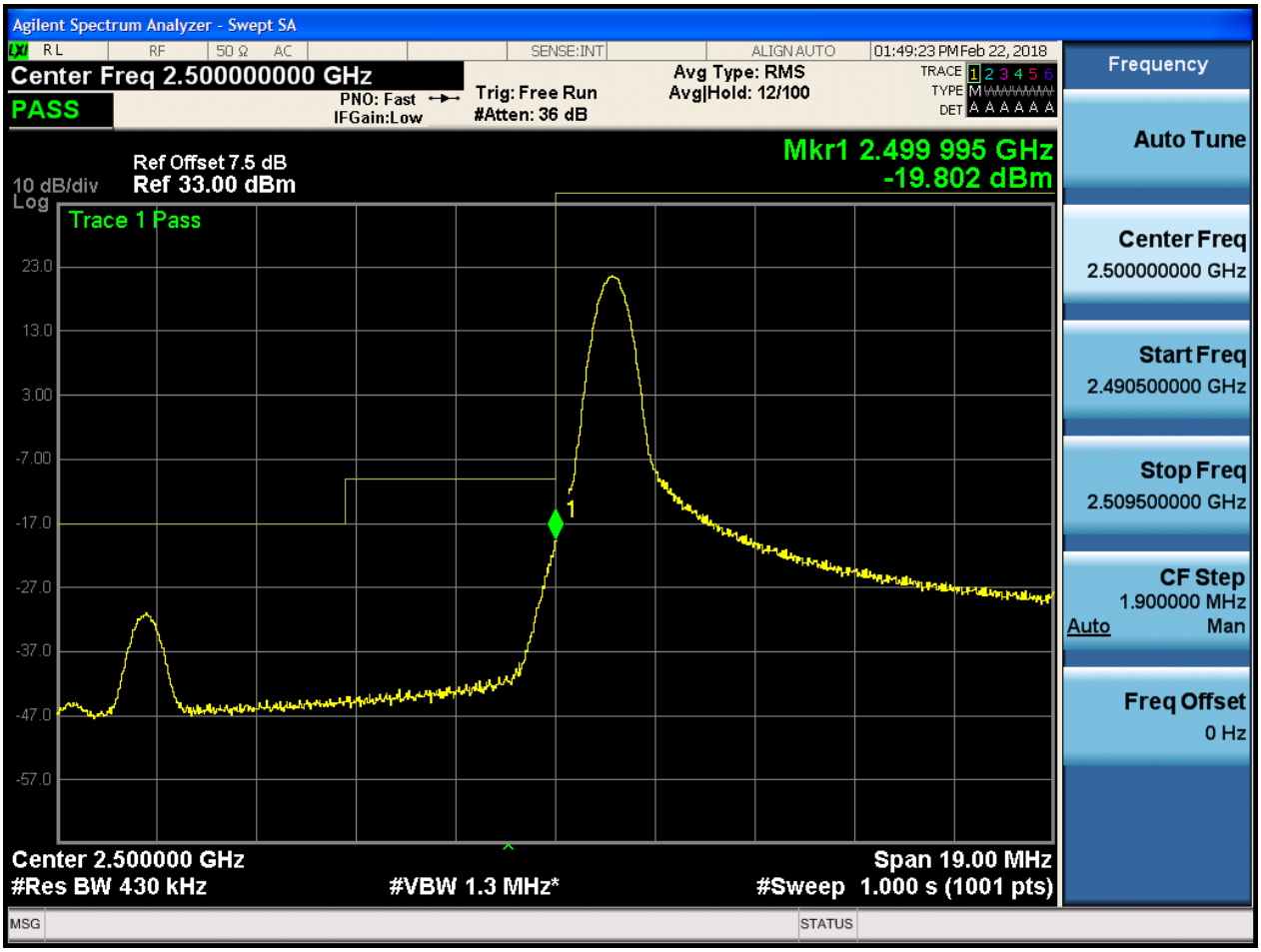


#### 5.1.1.2.3.2.4 Test RB = RB75#0

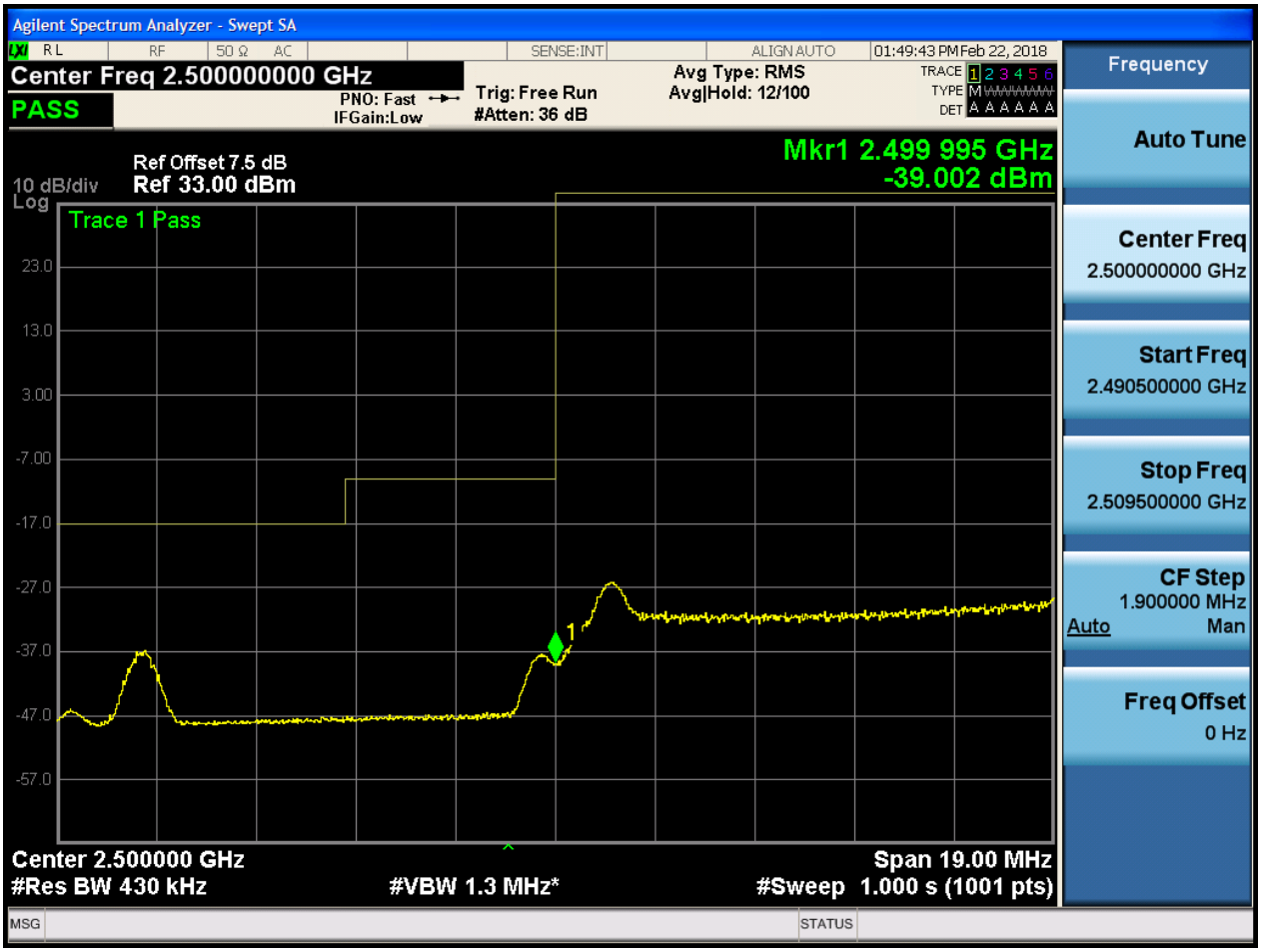
#### 5.1.1.2.4 Test Bandwidth = 20

##### 5.1.1.2.4.1 Test Channel = LCH

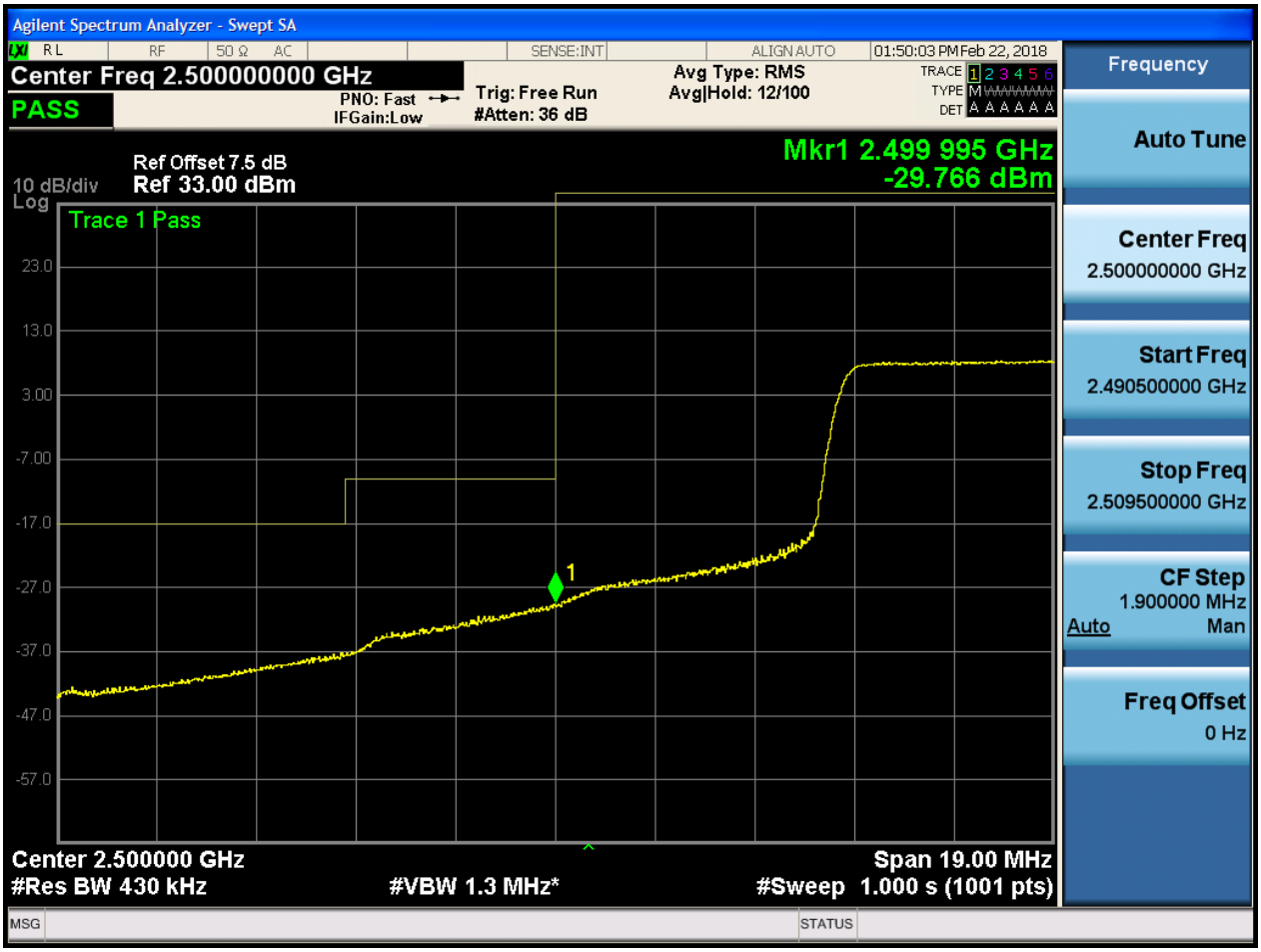
###### 5.1.1.2.4.1.1 Test RB = RB1#0



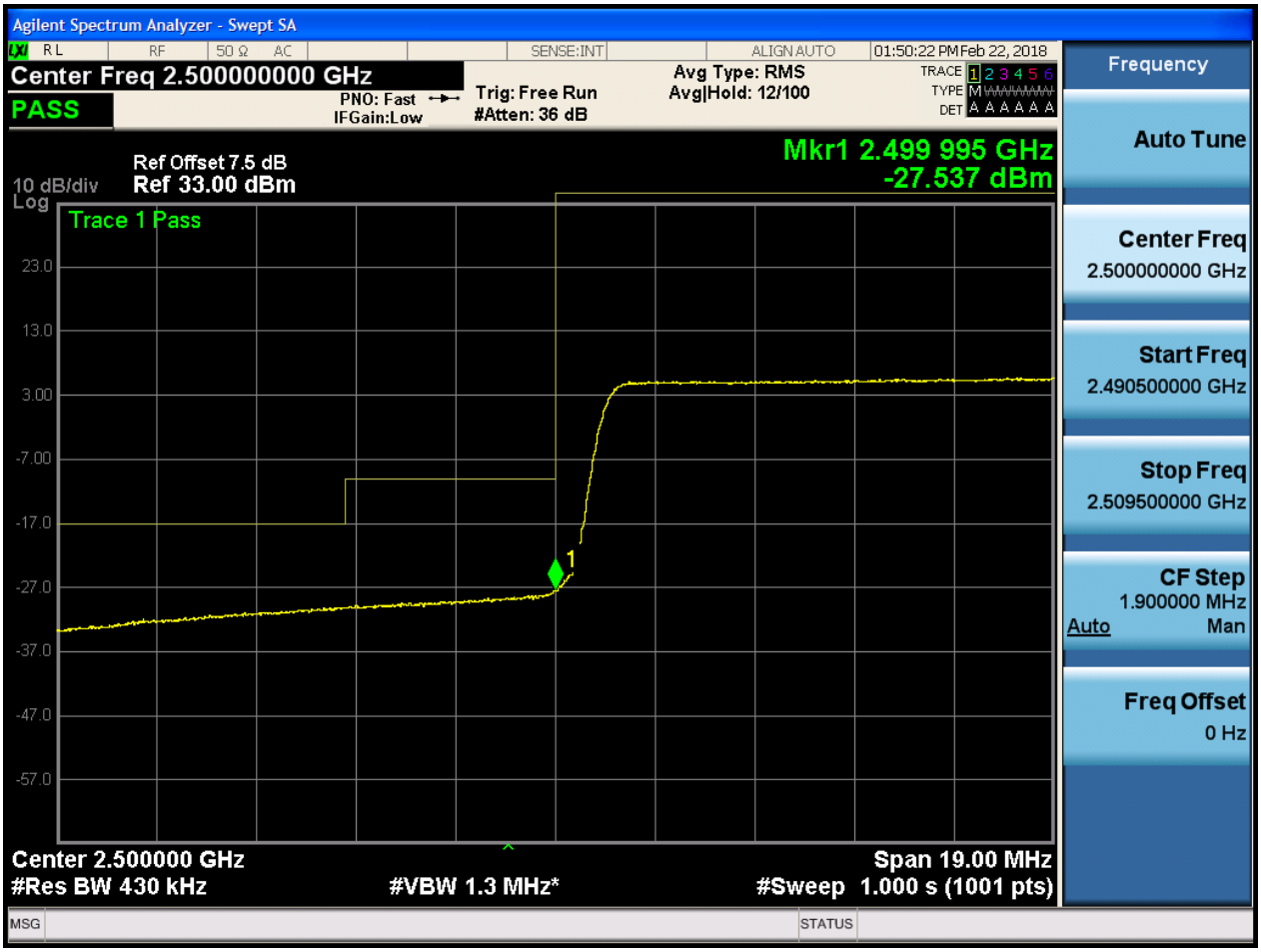
#### 5.1.1.2.4.1.2 Test RB = RB1#99



#### 5.1.1.2.4.1.3 Test RB = RB50#25

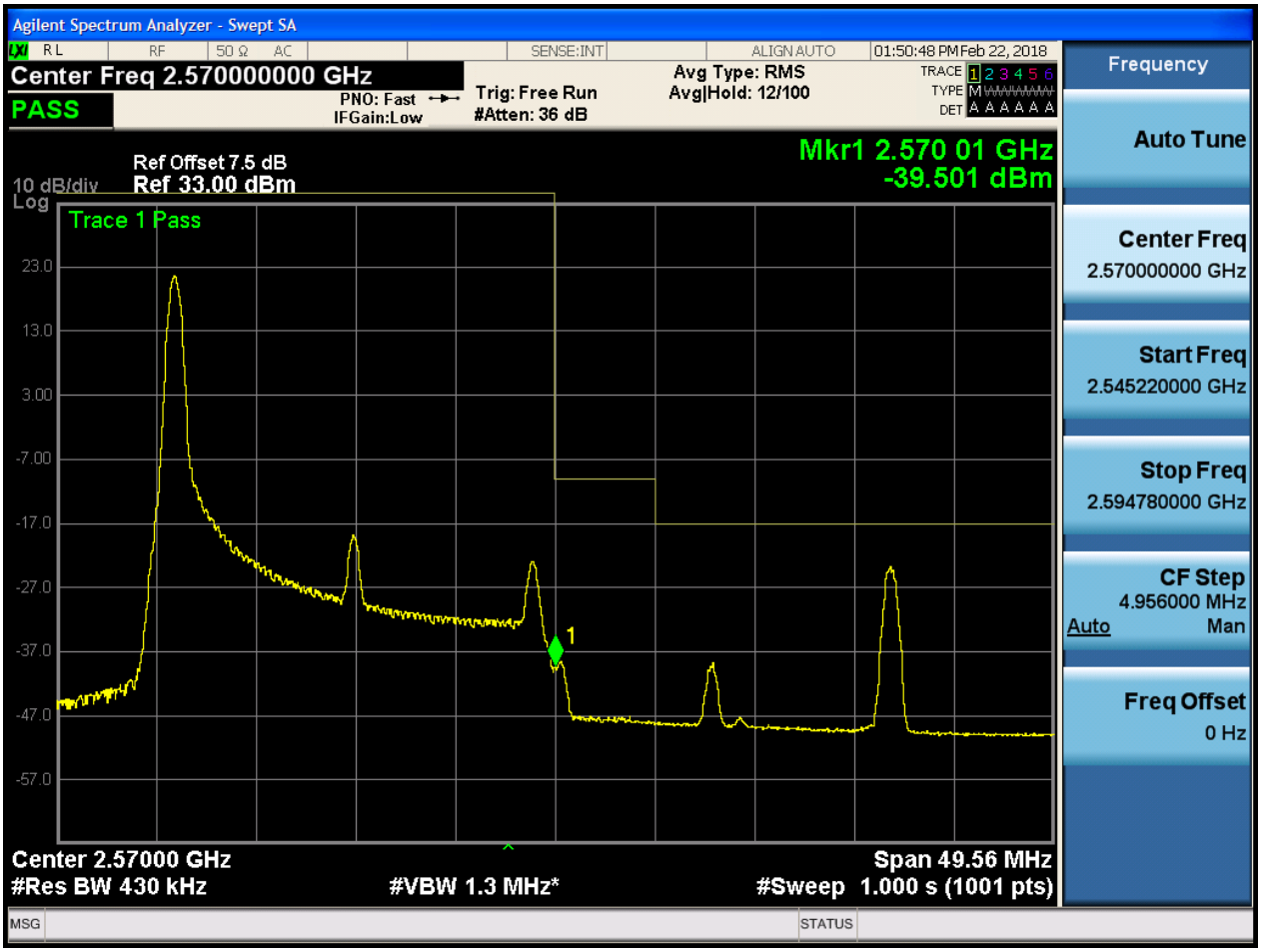


#### 5.1.1.2.4.1.4 Test RB = RB100#0

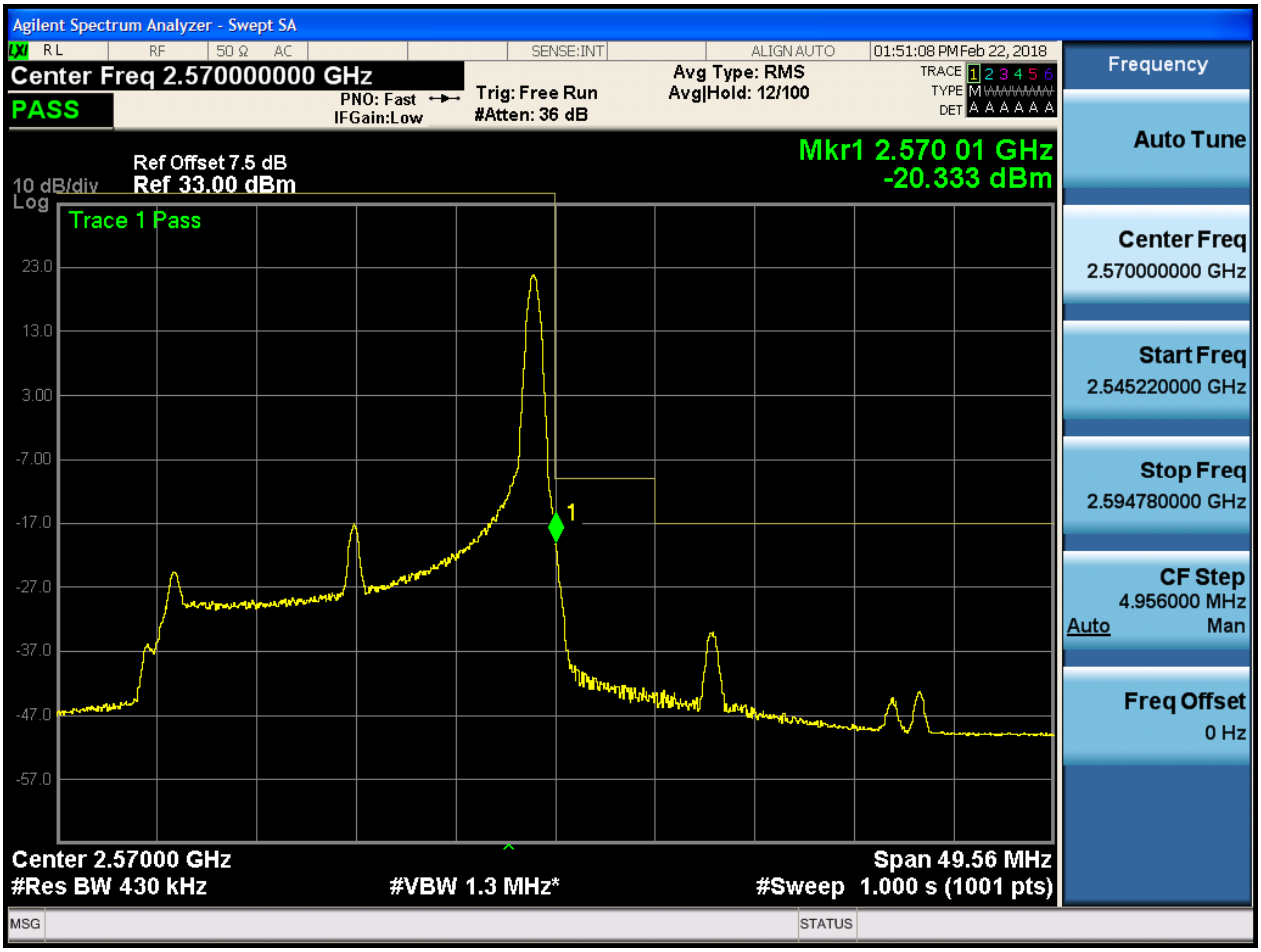


#### 5.1.1.2.4.2 Test Channel = HCH

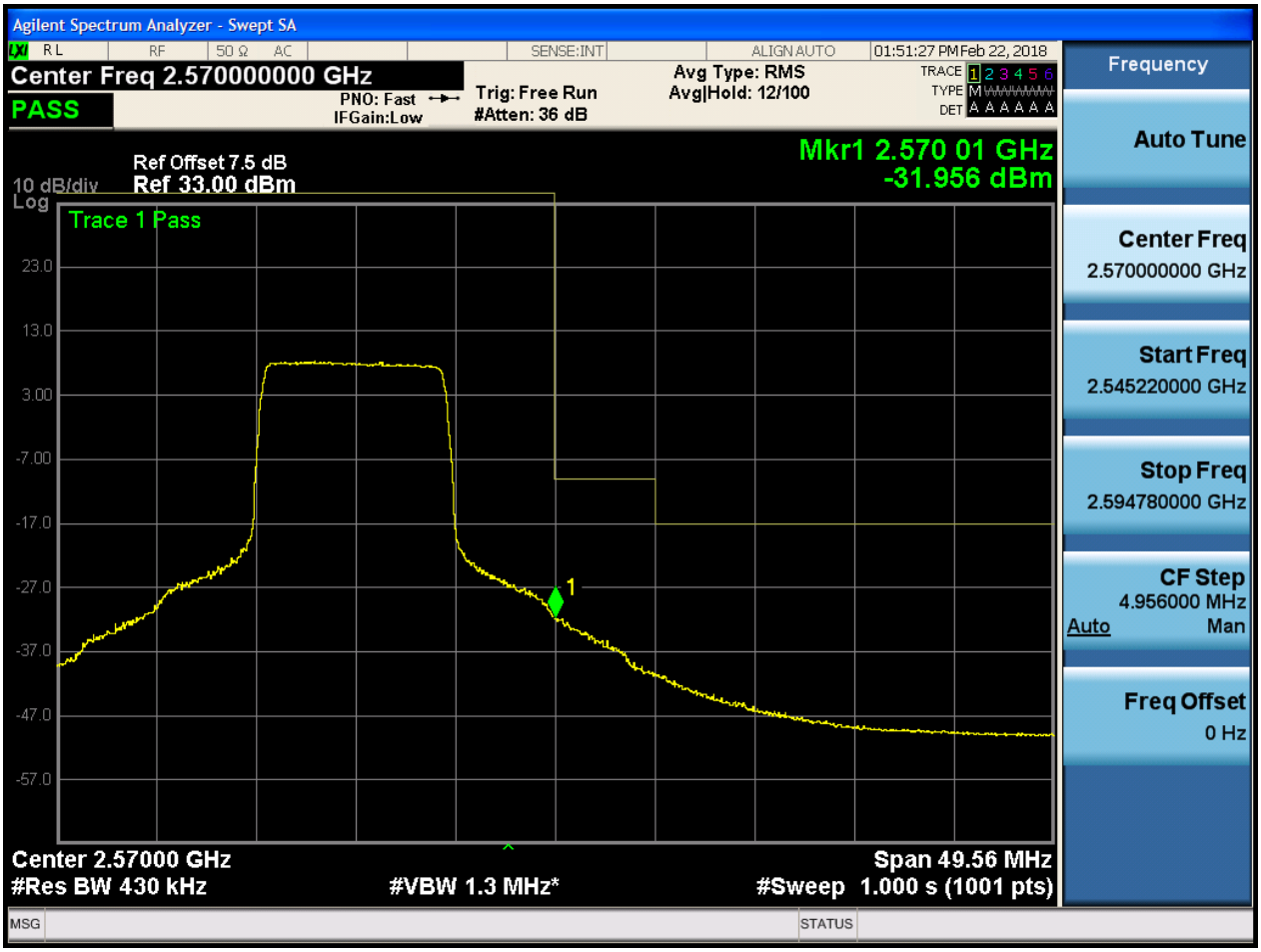
##### 5.1.1.2.4.2.1 Test RB = RB1#0



### 5.1.1.2.4.2.2 Test RB = RB1#99



### 5.1.1.2.4.2.3 Test RB = RB50#25



#### 5.1.1.2.4.2.4 Test RB = RB100#0

# 6Appendix_F: 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**

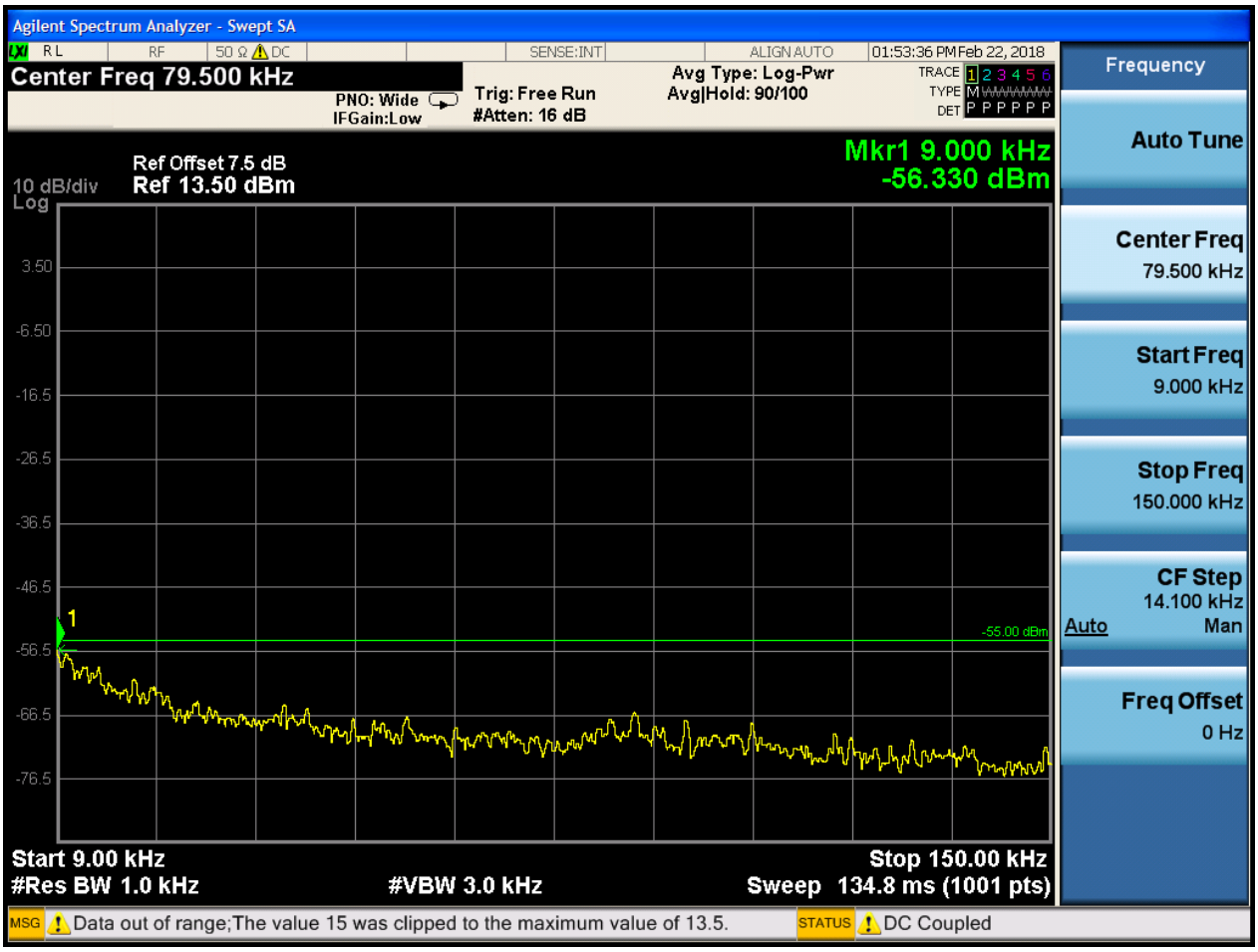
**6.1.1 Test Band = BAND7**

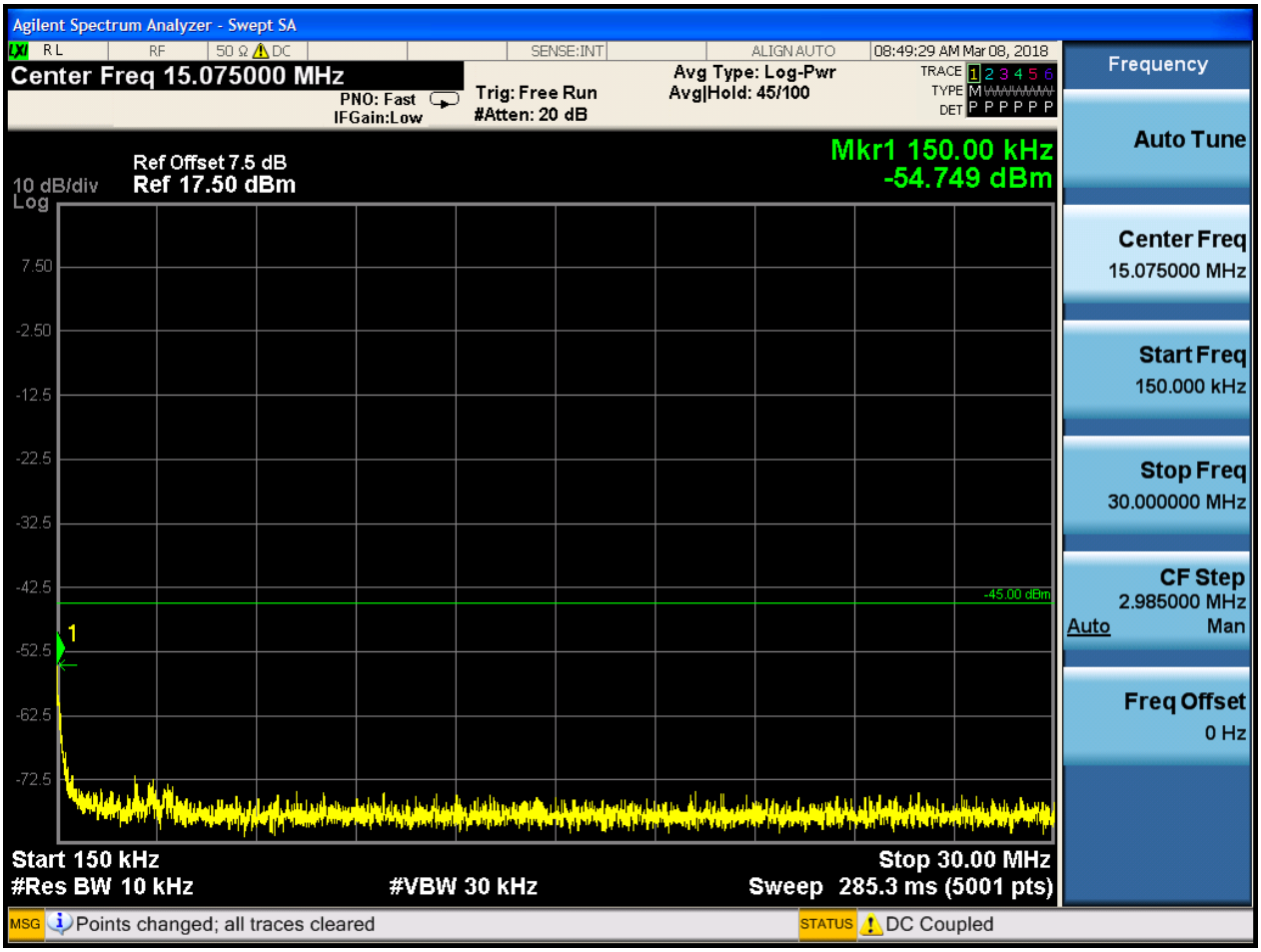
**6.1.1.1 Test Mode = LTE/TM1**

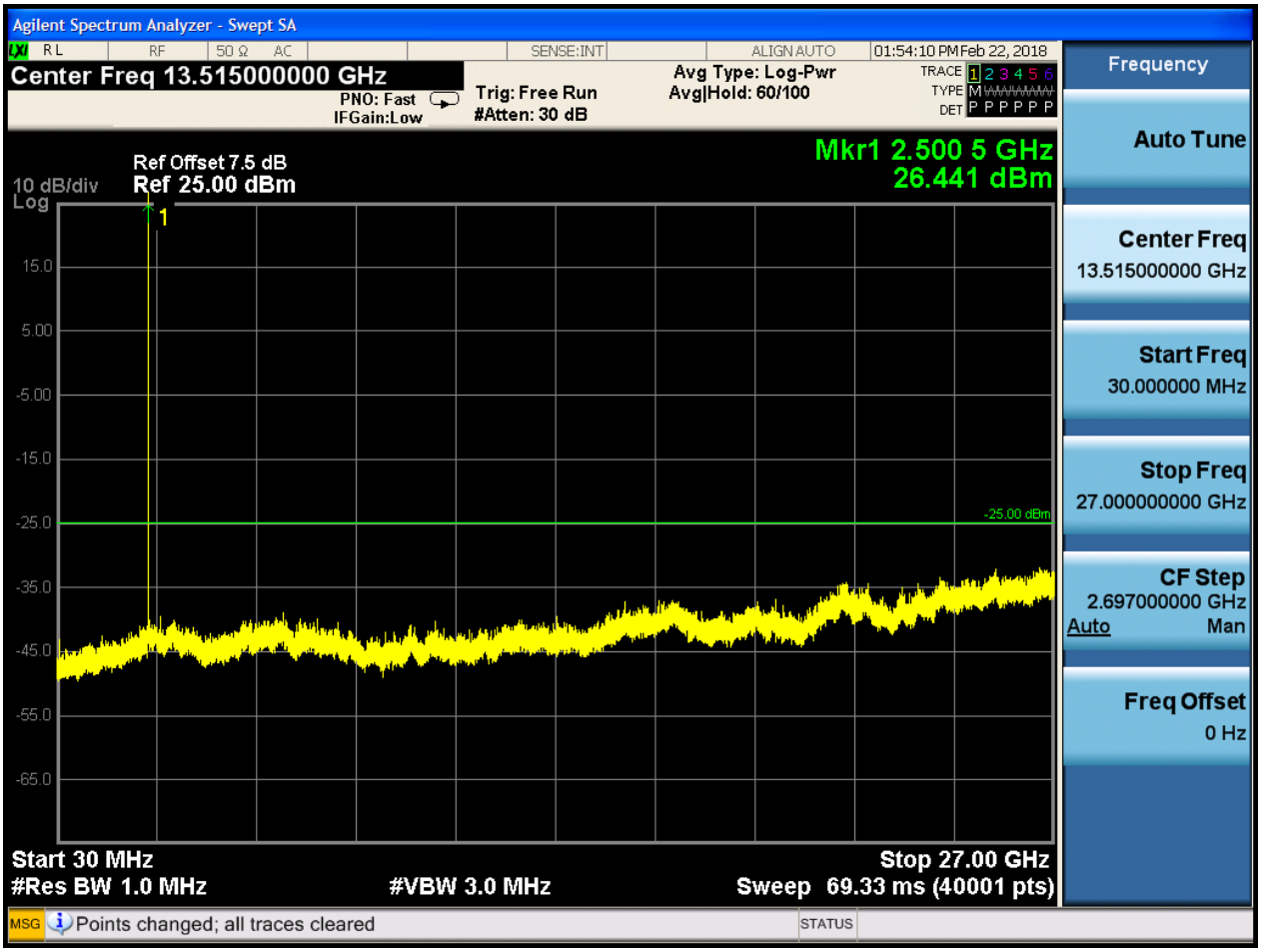
**6.1.1.1.1 Test Bandwidth = 5**

**6.1.1.1.1.1 Test Channel = LCH**

**6.1.1.1.1.1.1 Test RB = RB1#0**







#### 6.1.1.1.1.2 Test Channel = MCH

##### 6.1.1.1.1.2.1 Test RB = RB1#0