



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] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| BAND5 | LTE/TM1 | 1.4 | LCH | RB1#0 | 22.79 | 18.84 | 38.5 | PASS |
| | | | | RB1#3 | 22.96 | 19.01 | 38.5 | PASS |
| | | | | RB1#5 | 23.01 | 19.06 | 38.5 | PASS |
| | | | | RB3#0 | 23.08 | 19.13 | 38.5 | PASS |
| | | | | RB3#2 | 23.33 | 19.38 | 38.5 | PASS |
| | | | | RB3#3 | 23.22 | 19.27 | 38.5 | PASS |
| | | | | RB6#0 | 22.15 | 18.2 | 38.5 | PASS |
| | | | MCH | RB1#0 | 23.2 | 19.25 | 38.5 | PASS |
| | | | | RB1#3 | 23.1 | 19.15 | 38.5 | PASS |
| | | | | RB1#5 | 23.17 | 19.22 | 38.5 | PASS |
| | | | | RB3#0 | 23.04 | 19.09 | 38.5 | PASS |
| | | | | RB3#2 | 23.29 | 19.34 | 38.5 | PASS |
| | | | | RB3#3 | 23.01 | 19.06 | 38.5 | PASS |
| | | | | RB6#0 | 22.01 | 18.06 | 38.5 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| | | | HCH | RB1#0 | 23 | 19.05 | 38.5 | PASS |
| | | | | RB1#3 | 22.99 | 19.04 | 38.5 | PASS |
| | | | | RB1#5 | 23.01 | 19.06 | 38.5 | PASS |
| | | | | RB3#0 | 23.14 | 19.19 | 38.5 | PASS |
| | | | | RB3#2 | 23.11 | 19.16 | 38.5 | PASS |
| | | | | RB3#3 | 23.06 | 19.11 | 38.5 | PASS |
| | | | | RB6#0 | 22.02 | 18.07 | 38.5 | PASS |
| | | 3 | LCH | RB1#0 | 22.9 | 18.95 | 38.5 | PASS |
| | | | | RB1#7 | 23.29 | 19.34 | 38.5 | PASS |
| | | | | RB1#14 | 23.12 | 19.17 | 38.5 | PASS |
| | | | | RB8#0 | 22.06 | 18.11 | 38.5 | PASS |
| | | | | RB8#4 | 22.07 | 18.12 | 38.5 | PASS |
| | | | | RB8#7 | 22.03 | 18.08 | 38.5 | PASS |
| | | | | RB15#0 | 22.12 | 18.17 | 38.5 | PASS |
| | | MCH | RB1#0 | 23.02 | 19.07 | 38.5 | PASS | |
| | | | RB1#7 | 23.16 | 19.21 | 38.5 | PASS | |
| | | | RB1#14 | 22.83 | 18.88 | 38.5 | PASS | |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict | |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|------|
| | | | | RB8#0 | 22.16 | 18.21 | 38.5 | PASS | |
| | | | | RB8#4 | 22.16 | 18.21 | 38.5 | PASS | |
| | | | | RB8#7 | 22.12 | 18.17 | 38.5 | PASS | |
| | | | | RB15#0 | 22.11 | 18.16 | 38.5 | PASS | |
| | | | HCH | RB1#0 | 23.17 | 19.22 | 38.5 | PASS | |
| | | | | RB1#7 | 23.3 | 19.35 | 38.5 | PASS | |
| | | | | RB1#14 | 23.12 | 19.17 | 38.5 | PASS | |
| | | | | RB8#0 | 22.13 | 18.18 | 38.5 | PASS | |
| | | | | RB8#4 | 22.09 | 18.14 | 38.5 | PASS | |
| | | | | RB8#7 | 22.17 | 18.22 | 38.5 | PASS | |
| | | | | RB15#0 | 22.09 | 18.14 | 38.5 | PASS | |
| | | | | 5 | LCH | RB1#0 | 22.93 | 18.98 | 38.5 |
| | | | RB1#13 | | | 23.24 | 19.29 | 38.5 | PASS |
| | | | RB1#24 | | | 22.91 | 18.96 | 38.5 | PASS |
| | | RB12#0 | 22.14 | | | 18.19 | 38.5 | PASS | |
| | | RB12#6 | 22.16 | | | 18.21 | 38.5 | PASS | |
| | | RB12#13 | 22.01 | | | 18.06 | 38.5 | PASS | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| | | | | RB25#0 | 22.11 | 18.16 | 38.5 | PASS |
| | | | MCH | RB1#0 | 22.88 | 18.93 | 38.5 | PASS |
| | | | | RB1#13 | 23.27 | 19.32 | 38.5 | PASS |
| | | | | RB1#24 | 22.96 | 19.01 | 38.5 | PASS |
| | | | | RB12#0 | 22.09 | 18.14 | 38.5 | PASS |
| | | | | RB12#6 | 22.17 | 18.22 | 38.5 | PASS |
| | | | | RB12#13 | 22.06 | 18.11 | 38.5 | PASS |
| | | | | RB25#0 | 22.14 | 18.19 | 38.5 | PASS |
| | | | | HCH | RB1#0 | 22.8 | 18.85 | 38.5 |
| | | | RB1#13 | | 22.64 | 18.69 | 38.5 | PASS |
| | | | RB1#24 | | 22.56 | 18.61 | 38.5 | PASS |
| | | | RB12#0 | | 21.97 | 18.02 | 38.5 | PASS |
| | | | RB12#6 | | 22.12 | 18.17 | 38.5 | PASS |
| | | | RB12#13 | | 22.13 | 18.18 | 38.5 | PASS |
| | | | RB25#0 | | 21.98 | 18.03 | 38.5 | PASS |
| | | 10 | LCH | RB1#0 | 23.03 | 19.08 | 38.5 | PASS |
| | | | | RB1#25 | 23.31 | 19.36 | 38.5 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| | | | | RB1#49 | 23.34 | 19.39 | 38.5 | PASS |
| | | | | RB25#0 | 22.14 | 18.19 | 38.5 | PASS |
| | | | | RB25#13 | 22.13 | 18.18 | 38.5 | PASS |
| | | | | RB25#25 | 22.12 | 18.17 | 38.5 | PASS |
| | | | | RB50#0 | 22.14 | 18.19 | 38.5 | PASS |
| | | | MCH | RB1#0 | 22.9 | 18.95 | 38.5 | PASS |
| | | | MCH | RB1#25 | 23.07 | 19.12 | 38.5 | PASS |
| | | | MCH | RB1#49 | 22.98 | 19.03 | 38.5 | PASS |
| | | | MCH | RB25#0 | 22.09 | 18.14 | 38.5 | PASS |
| | | | MCH | RB25#13 | 22.15 | 18.2 | 38.5 | PASS |
| | | | MCH | RB25#25 | 22.12 | 18.17 | 38.5 | PASS |
| | | | MCH | RB50#0 | 22.12 | 18.17 | 38.5 | PASS |
| | | | HCH | RB1#0 | 23.05 | 19.1 | 38.5 | PASS |
| | | | HCH | RB1#25 | 23.43 | 19.48 | 38.5 | PASS |
| | | | HCH | RB1#49 | 23.25 | 19.3 | 38.5 | PASS |
| | | | HCH | RB25#0 | 22.05 | 18.1 | 38.5 | PASS |
| | | | HCH | RB25#13 | 22.12 | 18.17 | 38.5 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| | | | | RB25#25 | 22.05 | 18.1 | 38.5 | PASS |
| | | | | RB50#0 | 22.01 | 18.06 | 38.5 | PASS |
| | LTE/TM2 | 1.4 | LCH | RB1#0 | 21.78 | 17.83 | 38.5 | PASS |
| | | | | RB1#3 | 21.82 | 17.87 | 38.5 | PASS |
| | | | | RB1#5 | 21.98 | 18.03 | 38.5 | PASS |
| | | | | RB3#0 | 21.82 | 17.87 | 38.5 | PASS |
| | | | | RB3#2 | 22.08 | 18.13 | 38.5 | PASS |
| | | | | RB3#3 | 21.73 | 17.78 | 38.5 | PASS |
| | | | | RB6#0 | 20.83 | 16.88 | 38.5 | PASS |
| | | | MCH | RB1#0 | 21.74 | 17.79 | 38.5 | PASS |
| | | | | RB1#3 | 22.12 | 18.17 | 38.5 | PASS |
| | | | | RB1#5 | 22.1 | 18.15 | 38.5 | PASS |
| | | | | RB3#0 | 22.01 | 18.06 | 38.5 | PASS |
| | | | | RB3#2 | 22.12 | 18.17 | 38.5 | PASS |
| | | | | RB3#3 | 22.06 | 18.11 | 38.5 | PASS |
| HCH | RB6#0 | 21.12 | 17.17 | 38.5 | PASS | | | |
| HCH | RB1#0 | 21.65 | 17.7 | 38.5 | PASS | | | |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict | |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|------|
| | | | | RB1#3 | 21.79 | 17.84 | 38.5 | PASS | |
| | | | | RB1#5 | 21.67 | 17.72 | 38.5 | PASS | |
| | | | | RB3#0 | 22.36 | 18.41 | 38.5 | PASS | |
| | | | | RB3#2 | 21.61 | 17.66 | 38.5 | PASS | |
| | | | | RB3#3 | 22.19 | 18.24 | 38.5 | PASS | |
| | | | | RB6#0 | 21.05 | 17.1 | 38.5 | PASS | |
| | | 3 | LCH | RB1#0 | 21.4 | 17.45 | 38.5 | PASS | |
| | | | | RB1#7 | 22.09 | 18.14 | 38.5 | PASS | |
| | | | | RB1#14 | 21.63 | 17.68 | 38.5 | PASS | |
| | | | | RB8#0 | 20.92 | 16.97 | 38.5 | PASS | |
| | | | | RB8#4 | 20.93 | 16.98 | 38.5 | PASS | |
| | | | | RB8#7 | 20.98 | 17.03 | 38.5 | PASS | |
| | | | | RB15#0 | 20.99 | 17.04 | 38.5 | PASS | |
| | | | | MCH | RB1#0 | 22.26 | 18.31 | 38.5 | PASS |
| | | | | | RB1#7 | 22.51 | 18.56 | 38.5 | PASS |
| | | | | | RB1#14 | 22.41 | 18.46 | 38.5 | PASS |
| RB8#0 | 21.07 | 17.12 | 38.5 | | PASS | | | | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| | | | | RB8#4 | 21.08 | 17.13 | 38.5 | PASS |
| | | | | RB8#7 | 20.96 | 17.01 | 38.5 | PASS |
| | | | | RB15#0 | 21 | 17.05 | 38.5 | PASS |
| | | | HCH | RB1#0 | 22.07 | 18.12 | 38.5 | PASS |
| | | | | RB1#7 | 22.13 | 18.18 | 38.5 | PASS |
| | | | | RB1#14 | 21.66 | 17.71 | 38.5 | PASS |
| | | | | RB8#0 | 21.09 | 17.14 | 38.5 | PASS |
| | | | | RB8#4 | 21.06 | 17.11 | 38.5 | PASS |
| | | | | RB8#7 | 21.04 | 17.09 | 38.5 | PASS |
| | | RB15#0 | 21.11 | 17.16 | 38.5 | PASS | | |
| | | 5 | LCH | RB1#0 | 21.78 | 17.83 | 38.5 | PASS |
| | | | | RB1#13 | 21.55 | 17.6 | 38.5 | PASS |
| | | | | RB1#24 | 21.49 | 17.54 | 38.5 | PASS |
| | | | | RB12#0 | 21 | 17.05 | 38.5 | PASS |
| | | | | RB12#6 | 21.02 | 17.07 | 38.5 | PASS |
| RB12#13 | 21.04 | | | 17.09 | 38.5 | PASS | | |
| RB25#0 | 21.05 | | | 17.1 | 38.5 | PASS | | |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| | | | MCH | RB1#0 | 21.57 | 17.62 | 38.5 | PASS |
| | | | | RB1#13 | 21.63 | 17.68 | 38.5 | PASS |
| | | | | RB1#24 | 21.31 | 17.36 | 38.5 | PASS |
| | | | | RB12#0 | 20.9 | 16.95 | 38.5 | PASS |
| | | | | RB12#6 | 21.06 | 17.11 | 38.5 | PASS |
| | | | | RB12#13 | 20.75 | 16.8 | 38.5 | PASS |
| | | | | RB25#0 | 21.02 | 17.07 | 38.5 | PASS |
| | | | HCH | RB1#0 | 22.17 | 18.22 | 38.5 | PASS |
| | | | | RB1#13 | 22.27 | 18.32 | 38.5 | PASS |
| | | | | RB1#24 | 22 | 18.05 | 38.5 | PASS |
| | | | | RB12#0 | 20.93 | 16.98 | 38.5 | PASS |
| | | | | RB12#6 | 21.04 | 17.09 | 38.5 | PASS |
| | | | | RB12#13 | 20.97 | 17.02 | 38.5 | PASS |
| | | | | RB25#0 | 20.98 | 17.03 | 38.5 | PASS |
| | | 10 | LCH | RB1#0 | 22.35 | 18.4 | 38.5 | PASS |
| | | | | RB1#25 | 22.38 | 18.43 | 38.5 | PASS |
| | | | | RB1#49 | 21.36 | 17.41 | 38.5 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| | | | | RB25#0 | 21.02 | 17.07 | 38.5 | PASS |
| | | | | RB25#13 | 21.02 | 17.07 | 38.5 | PASS |
| | | | | RB25#25 | 21.01 | 17.06 | 38.5 | PASS |
| | | | | RB50#0 | 21.05 | 17.1 | 38.5 | PASS |
| | | | MCH | RB1#0 | 21.82 | 17.87 | 38.5 | PASS |
| | | | | RB1#25 | 22.39 | 18.44 | 38.5 | PASS |
| | | | | RB1#49 | 21.93 | 17.98 | 38.5 | PASS |
| | | | | RB25#0 | 21.24 | 17.29 | 38.5 | PASS |
| | | | | RB25#13 | 21.19 | 17.24 | 38.5 | PASS |
| | | | | RB25#25 | 21.15 | 17.2 | 38.5 | PASS |
| | | | | RB50#0 | 21.1 | 17.15 | 38.5 | PASS |
| | | | | HCH | RB1#0 | 21.98 | 18.03 | 38.5 |
| | | | RB1#25 | | 22.17 | 18.22 | 38.5 | PASS |
| | | | RB1#49 | | 21.65 | 17.7 | 38.5 | PASS |
| | | | RB25#0 | | 21.16 | 17.21 | 38.5 | PASS |
| | | | RB25#13 | | 21.22 | 17.27 | 38.5 | PASS |
| | | | RB25#25 | | 21.05 | 17.1 | 38.5 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|----------|-------------|---------|
| | | | | RB50#0 | 21.09 | 17.14 | 38.5 | 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,

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

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

b, SGP=Signal Generator Level

Note2:

$$\text{SET Span} = 1.5 * \text{OBW}$$

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

$$\text{SET VBW} \geq 3 * \text{RBW}$$

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 |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| BAND5 | LTE/TM1 | 1.4 | LCH | RB1#0 | 3.03 | 13 | PASS |
| | | | | RB1#3 | 3.02 | 13 | PASS |
| | | | | RB1#5 | 3.12 | 13 | PASS |
| | | | | RB3#0 | 3.53 | 13 | PASS |
| | | | | RB3#2 | 3.35 | 13 | PASS |
| | | | | RB3#3 | 3.49 | 13 | PASS |
| | | | RB6#0 | 4.82 | 13 | PASS | |
| | | | MCH | RB1#0 | 3.33 | 13 | PASS |
| | | | | RB1#3 | 3.2 | 13 | PASS |
| | | | | RB1#5 | 3.27 | 13 | PASS |
| | | | | RB3#0 | 3.67 | 13 | PASS |
| | | | | RB3#2 | 3.52 | 13 | PASS |
| | | | | RB3#3 | 3.64 | 13 | PASS |
| | | | HCH | RB6#0 | 4.81 | 13 | PASS |
| | | | | RB1#0 | 3.35 | 13 | PASS |
| | | | | RB1#3 | 3.24 | 13 | PASS |
| | | | | RB1#5 | 3.34 | 13 | PASS |
| | | | | RB3#0 | 3.74 | 13 | PASS |
| | | RB3#2 | | 3.57 | 13 | PASS | |
| | | 3 | LCH | RB3#3 | 3.7 | 13 | PASS |
| | | | | RB6#0 | 4.85 | 13 | PASS |
| | | | | RB1#0 | 3.14 | 13 | PASS |
| | | | | RB1#7 | 3.08 | 13 | PASS |
| | | | | RB1#14 | 3.3 | 13 | PASS |
| | | | | RB8#0 | 4.25 | 13 | PASS |
| | | | MCH | RB8#4 | 4.12 | 13 | PASS |
| | | | | RB8#7 | 4.35 | 13 | PASS |
| RB15#0 | 4.92 | | | 13 | PASS | | |
| MCH | RB1#0 | 3.35 | 13 | PASS | | | |
| | RB1#7 | 3.22 | 13 | PASS | | | |
| | RB1#14 | 3.38 | 13 | PASS | | | |
| | RB8#0 | 4.31 | 13 | PASS | | | |
| | RB8#4 | 4.11 | 13 | PASS | | | |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| | | | | RB8#7 | 4.23 | 13 | PASS |
| | | | | RB15#0 | 5.01 | 13 | PASS |
| | | | HCH | RB1#0 | 3.44 | 13 | PASS |
| | | | | RB1#7 | 3.26 | 13 | PASS |
| | | | | RB1#14 | 3.31 | 13 | PASS |
| | | | | RB8#0 | 4.39 | 13 | PASS |
| | | | | RB8#4 | 4.23 | 13 | PASS |
| | | | | RB8#7 | 4.33 | 13 | PASS |
| | | RB15#0 | 4.87 | 13 | PASS | | |
| | | 5 | LCH | RB1#0 | 3.01 | 13 | PASS |
| | | | | RB1#13 | 3.09 | 13 | PASS |
| | | | | RB1#24 | 3.25 | 13 | PASS |
| | | | | RB12#0 | 4.08 | 13 | PASS |
| | | | | RB12#6 | 3.96 | 13 | PASS |
| | | | | RB12#13 | 4.18 | 13 | PASS |
| | | | RB25#0 | 4.64 | 13 | PASS | |
| | | | MCH | RB1#0 | 3.26 | 13 | PASS |
| | | | | RB1#13 | 3.15 | 13 | PASS |
| | | | | RB1#24 | 3.28 | 13 | PASS |
| | | | | RB12#0 | 4.22 | 13 | PASS |
| | | | | RB12#6 | 4.01 | 13 | PASS |
| | | | | RB12#13 | 4.21 | 13 | PASS |
| | | | RB25#0 | 4.84 | 13 | PASS | |
| | | | HCH | RB1#0 | 3.44 | 13 | PASS |
| | | | | RB1#13 | 3.37 | 13 | PASS |
| | | RB1#24 | | 3.4 | 13 | PASS | |
| | | RB12#0 | | 4.36 | 13 | PASS | |
| | | RB12#6 | | 4.15 | 13 | PASS | |
| | | RB12#13 | | 4.26 | 13 | PASS | |
| | | RB25#0 | 5.05 | 13 | PASS | | |
| | | 10 | LCH | RB1#0 | 3.08 | 13 | PASS |
| | | | | RB1#25 | 3.25 | 13 | PASS |
| RB1#49 | 3.27 | | | 13 | PASS | | |
| RB25#0 | 4.17 | | | 13 | PASS | | |
| RB25#13 | 4.14 | | | 13 | PASS | | |
| RB25#25 | 4.27 | | | 13 | PASS | | |
| RB50#0 | 5.37 | | 13 | PASS | | | |
| MCH | RB1#0 | | 3.38 | 13 | PASS | | |
| RB1#25 | 3.24 | 13 | PASS | | | | |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| | | | | RB1#49 | 3.46 | 13 | PASS |
| | | | | RB25#0 | 4.33 | 13 | PASS |
| | | | | RB25#13 | 4.21 | 13 | PASS |
| | | | | RB25#25 | 4.33 | 13 | PASS |
| | | | | RB50#0 | 5 | 13 | PASS |
| | | | HCH | RB1#0 | 3.27 | 13 | PASS |
| | | | | RB1#25 | 3.36 | 13 | PASS |
| | | | | RB1#49 | 3.34 | 13 | PASS |
| | | | | RB25#0 | 4.33 | 13 | PASS |
| | | | | RB25#13 | 4.28 | 13 | PASS |
| | | | | RB25#25 | 4.46 | 13 | PASS |
| | | | LCH | RB50#0 | 5.27 | 13 | PASS |
| | | | | RB1#0 | 4.02 | 13 | PASS |
| | | | | RB1#3 | 4 | 13 | PASS |
| | | | | RB1#5 | 4.1 | 13 | PASS |
| | RB3#0 | 4.25 | | 13 | PASS | | |
| | RB3#2 | 4.13 | | 13 | PASS | | |
| | RB3#3 | 4.31 | | 13 | PASS | | |
| | MCH | RB6#0 | 5.29 | 13 | PASS | | |
| | | RB1#0 | 4.28 | 13 | PASS | | |
| | | RB1#3 | 4.23 | 13 | PASS | | |
| | | RB1#5 | 4.24 | 13 | PASS | | |
| | | RB3#0 | 4.32 | 13 | PASS | | |
| | | RB3#2 | 4.22 | 13 | PASS | | |
| | | RB3#3 | 4.36 | 13 | PASS | | |
| | HCH | RB6#0 | 5.4 | 13 | PASS | | |
| | | RB1#0 | 4.04 | 13 | PASS | | |
| | | RB1#3 | 3.97 | 13 | PASS | | |
| | | RB1#5 | 4.05 | 13 | PASS | | |
| | | RB3#0 | 4.36 | 13 | PASS | | |
| RB3#2 | | 4.2 | 13 | PASS | | | |
| RB3#3 | | 4.33 | 13 | PASS | | | |
| LCH | RB6#0 | 5.72 | 13 | PASS | | | |
| | RB1#0 | 3.87 | 13 | PASS | | | |
| | RB1#7 | 3.74 | 13 | PASS | | | |
| | RB1#14 | 4.01 | 13 | PASS | | | |
| | RB8#0 | 4.87 | 13 | PASS | | | |
| | RB8#4 | 4.81 | 13 | PASS | | | |
| | | 3 | LCH | RB8#7 | 4.96 | 13 | PASS |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict | |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|------|
| | | | | RB15#0 | 5.63 | 13 | PASS | |
| | | | MCH | RB1#0 | 4.16 | 13 | PASS | |
| | | | | RB1#7 | 4.09 | 13 | PASS | |
| | | | | RB1#14 | 4.16 | 13 | PASS | |
| | | | | RB8#0 | 5.03 | 13 | PASS | |
| | | | | RB8#4 | 4.95 | 13 | PASS | |
| | | | | RB8#7 | 5.07 | 13 | PASS | |
| | | | | RB15#0 | 5.57 | 13 | PASS | |
| | | | HCH | RB1#0 | 4.38 | 13 | PASS | |
| | | | | RB1#7 | 4.25 | 13 | PASS | |
| | | | | RB1#14 | 4.34 | 13 | PASS | |
| | | | | RB8#0 | 5.31 | 13 | PASS | |
| | | | | RB8#4 | 5.07 | 13 | PASS | |
| | | | | RB8#7 | 5.23 | 13 | PASS | |
| | | 5 | LCH | | RB1#0 | 3.99 | 13 | PASS |
| | | | | | RB1#13 | 4.08 | 13 | PASS |
| | | | | | RB1#24 | 4.2 | 13 | PASS |
| | | | | | RB12#0 | 4.9 | 13 | PASS |
| | | | | | RB12#6 | 4.82 | 13 | PASS |
| | | | | | RB12#13 | 5.08 | 13 | PASS |
| | | | | | RB25#0 | 5.68 | 13 | PASS |
| | | | MCH | RB1#0 | 4.18 | 13 | PASS | |
| | | | | RB1#13 | 4.11 | 13 | PASS | |
| | | | | RB1#24 | 4.24 | 13 | PASS | |
| | | | | RB12#0 | 5.07 | 13 | PASS | |
| | | | | RB12#6 | 4.93 | 13 | PASS | |
| | | | | RB12#13 | 5.04 | 13 | PASS | |
| | | | | RB25#0 | 5.56 | 13 | PASS | |
| | | HCH | RB1#0 | 3.9 | 13 | PASS | | |
| | | | RB1#13 | 3.85 | 13 | PASS | | |
| | | | RB1#24 | 3.92 | 13 | PASS | | |
| | | | RB12#0 | 5.14 | 13 | PASS | | |
| | | | RB12#6 | 5 | 13 | PASS | | |
| | | | RB12#13 | 5.03 | 13 | PASS | | |
| | | | RB25#0 | 5.78 | 13 | PASS | | |
| | | 10 | LCH | RB1#0 | 4.16 | 13 | PASS | |
| | | | | RB1#25 | 4.25 | 13 | PASS | |
| | | | | RB1#49 | 4.38 | 13 | PASS | |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| | | | | RB25#0 | 5.2 | 13 | PASS |
| | | | | RB25#13 | 5.05 | 13 | PASS |
| | | | | RB25#25 | 5.3 | 13 | PASS |
| | | | | RB50#0 | 5.74 | 13 | PASS |
| | | | MCH | RB1#0 | 4.31 | 13 | PASS |
| | | | | RB1#25 | 4.21 | 13 | PASS |
| | | | | RB1#49 | 4.39 | 13 | PASS |
| | | | | RB25#0 | 5.1 | 13 | PASS |
| | | | | RB25#13 | 4.9 | 13 | PASS |
| | | | | RB25#25 | 5.07 | 13 | PASS |
| | | | | RB50#0 | 6.01 | 13 | PASS |
| | | | HCH | RB1#0 | 3.98 | 13 | PASS |
| | | | | RB1#25 | 4.07 | 13 | PASS |
| | | | | RB1#49 | 4.12 | 13 | PASS |
| | | | | RB25#0 | 5.17 | 13 | PASS |
| | | | | RB25#13 | 5.13 | 13 | PASS |
| | | | | RB25#25 | 5.29 | 13 | PASS |
| | | | | RB50#0 | 5.79 | 13 | PASS |

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

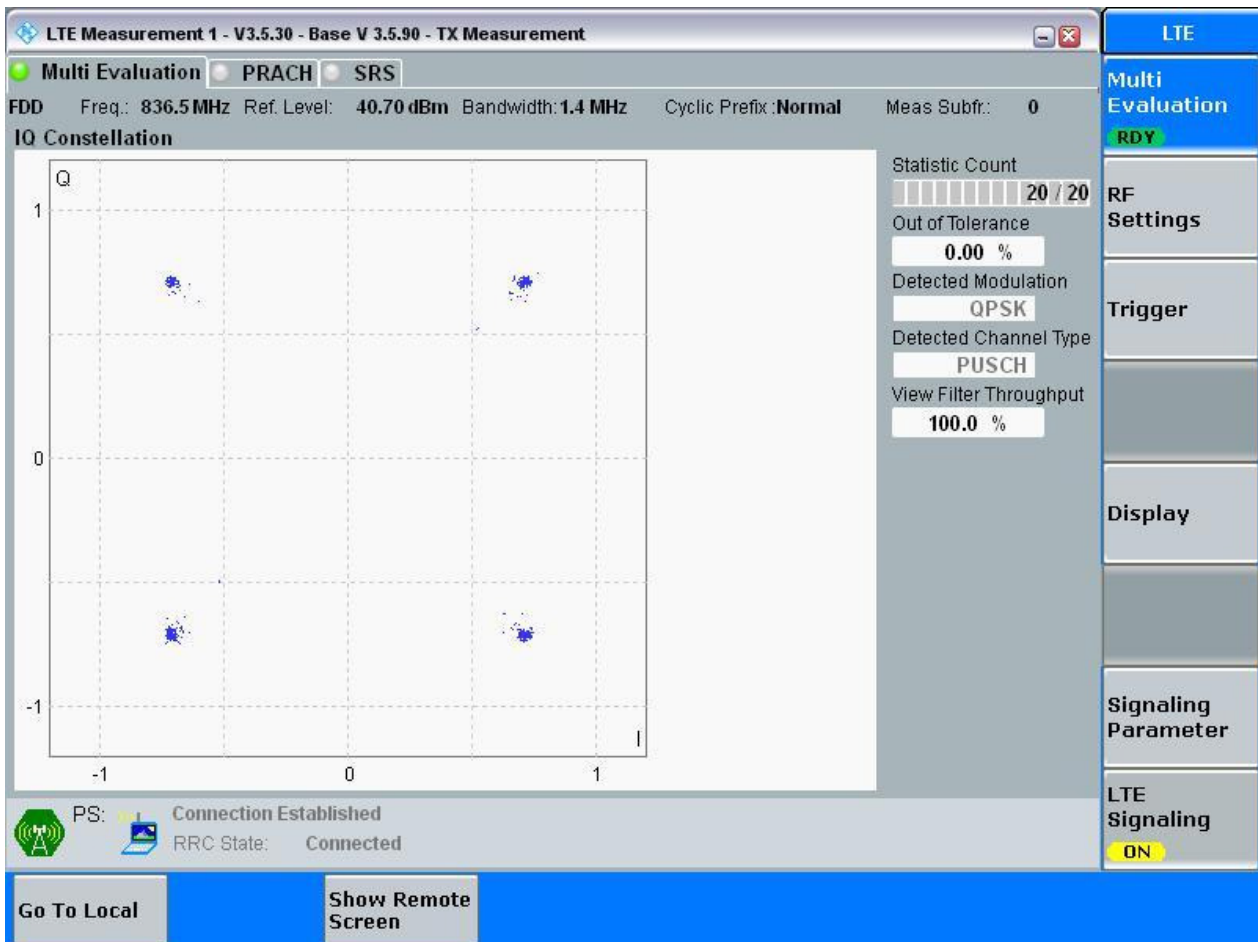
3.1.1 Test Band = BAND5

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.1.1.1.1 Test Channel = MCH

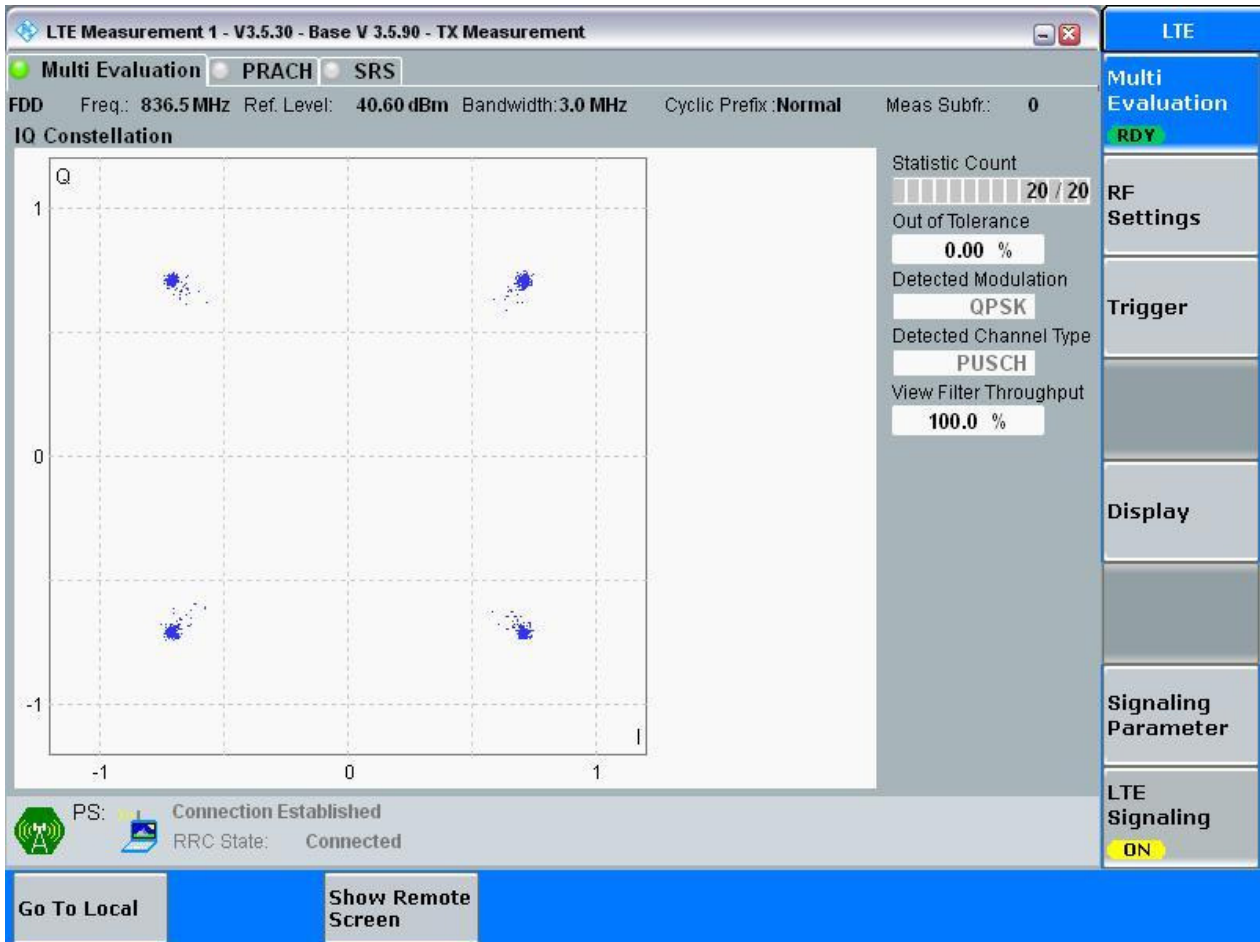
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

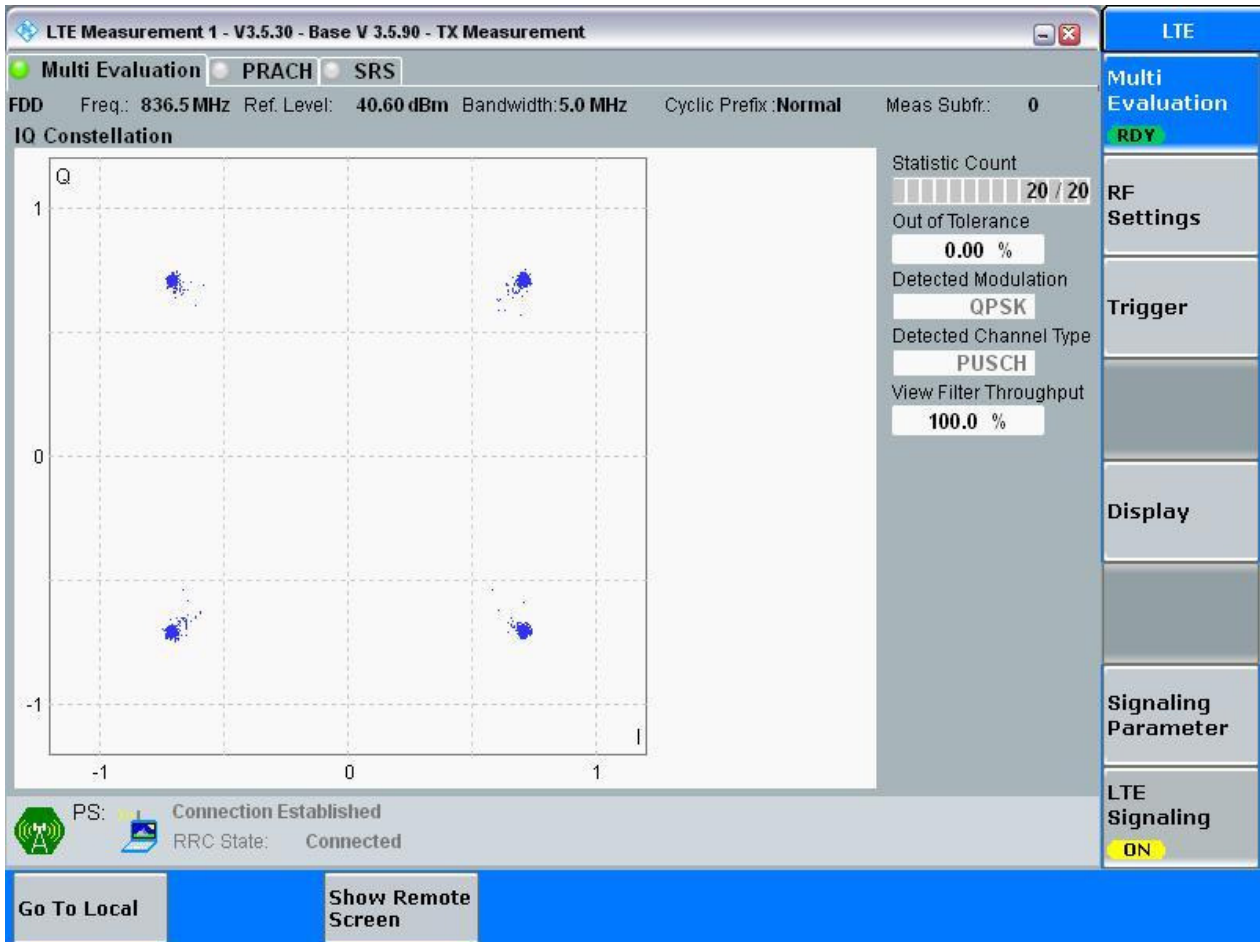
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

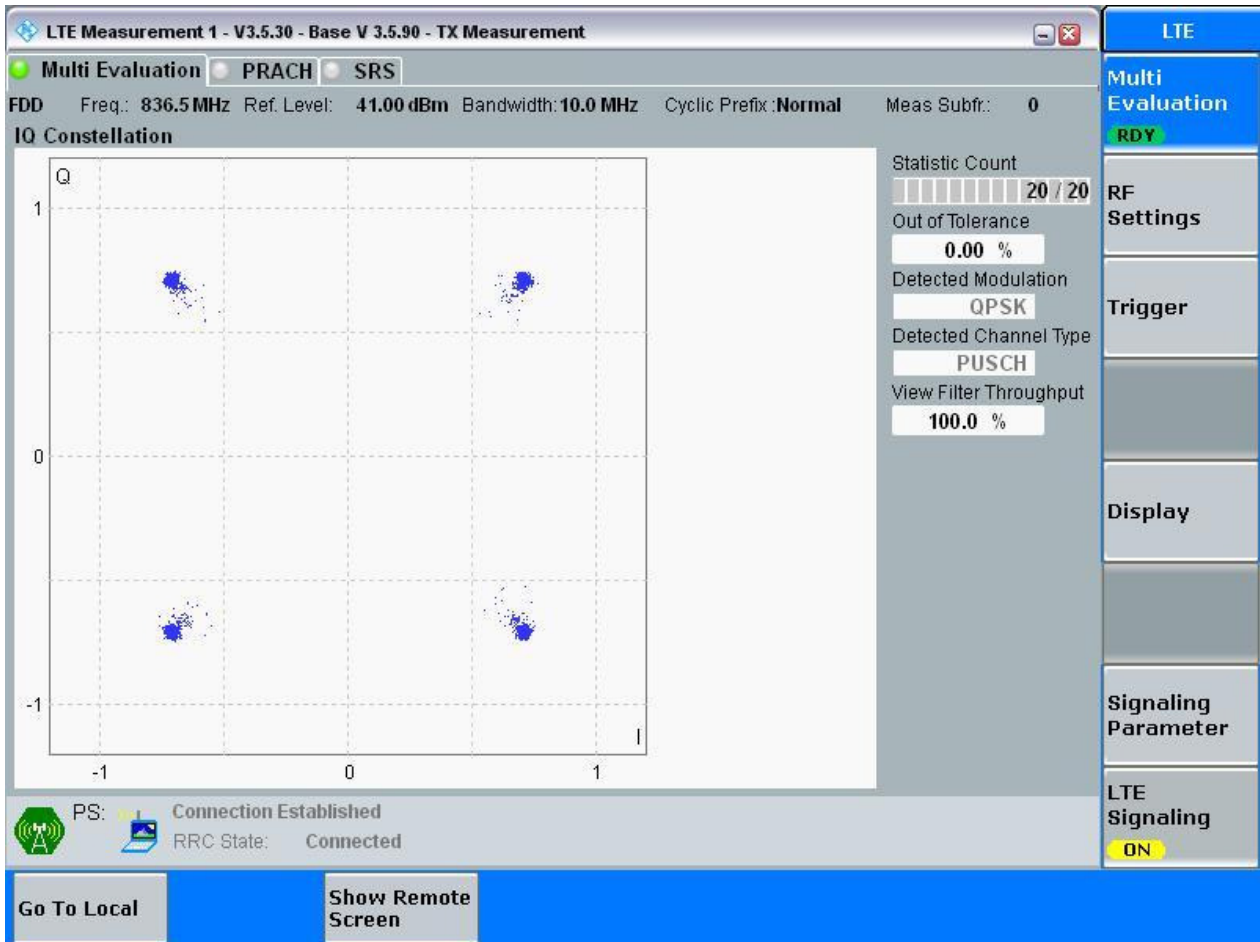
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

3.1.1.1.4.1.1 Test RB = RB50#0

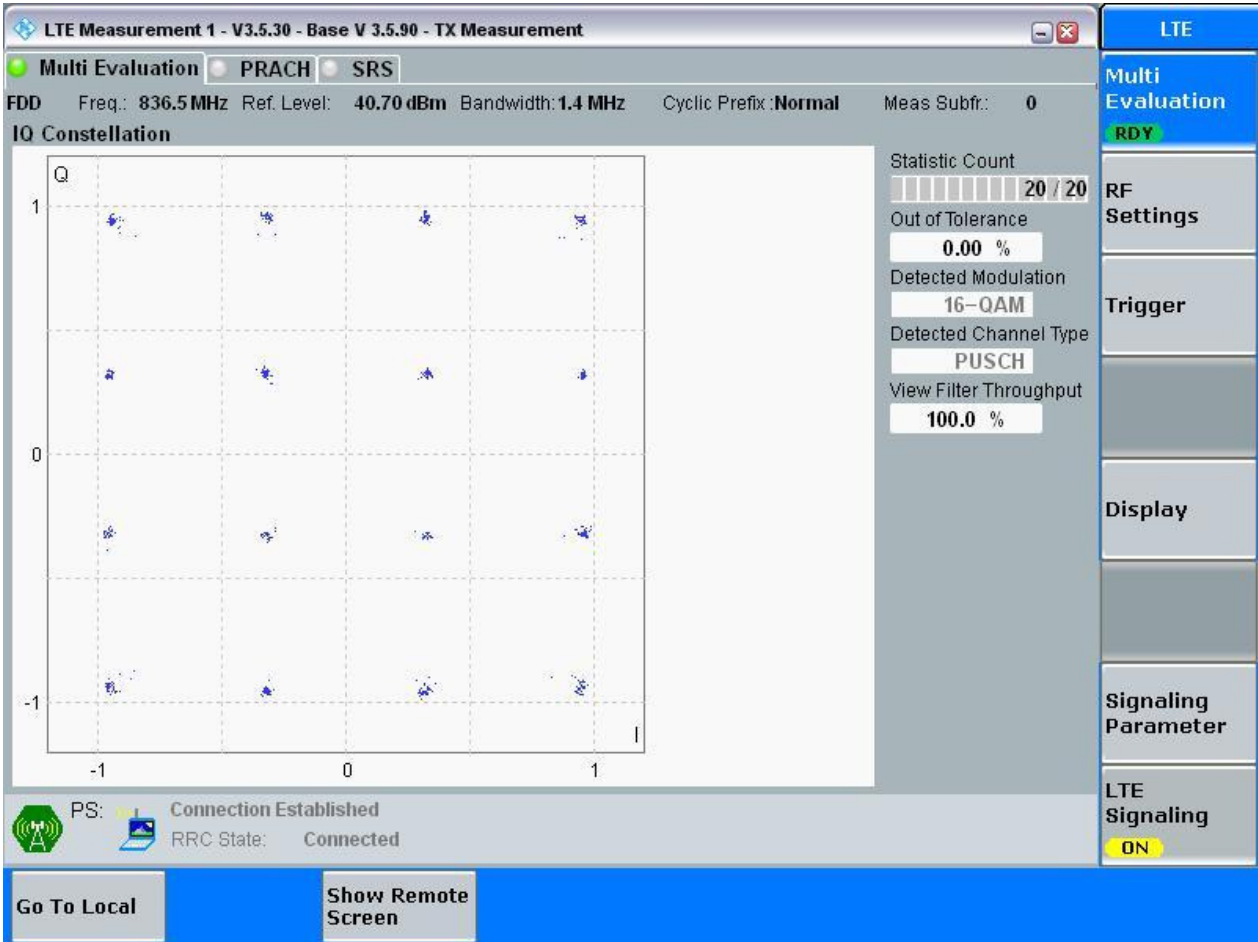


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

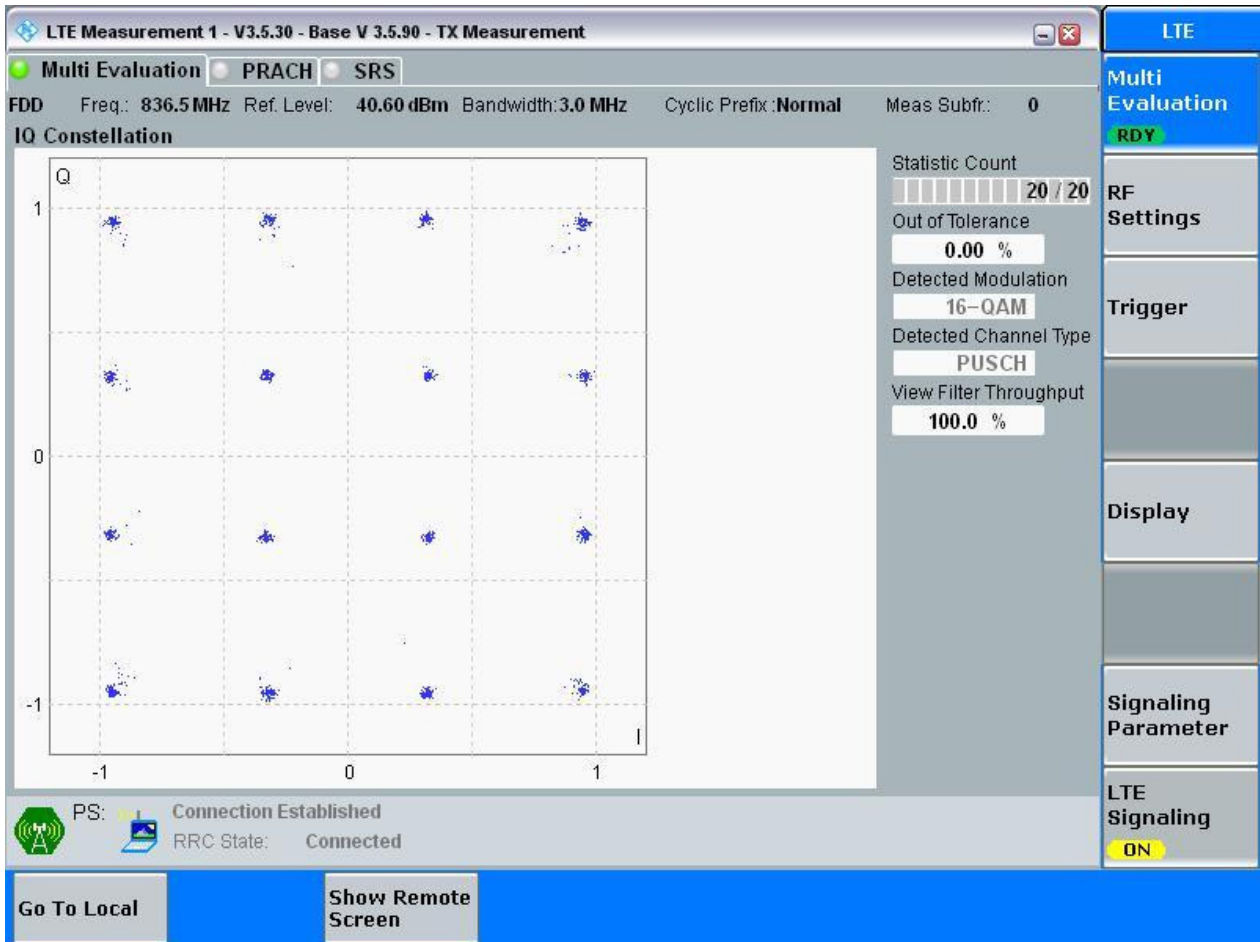
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

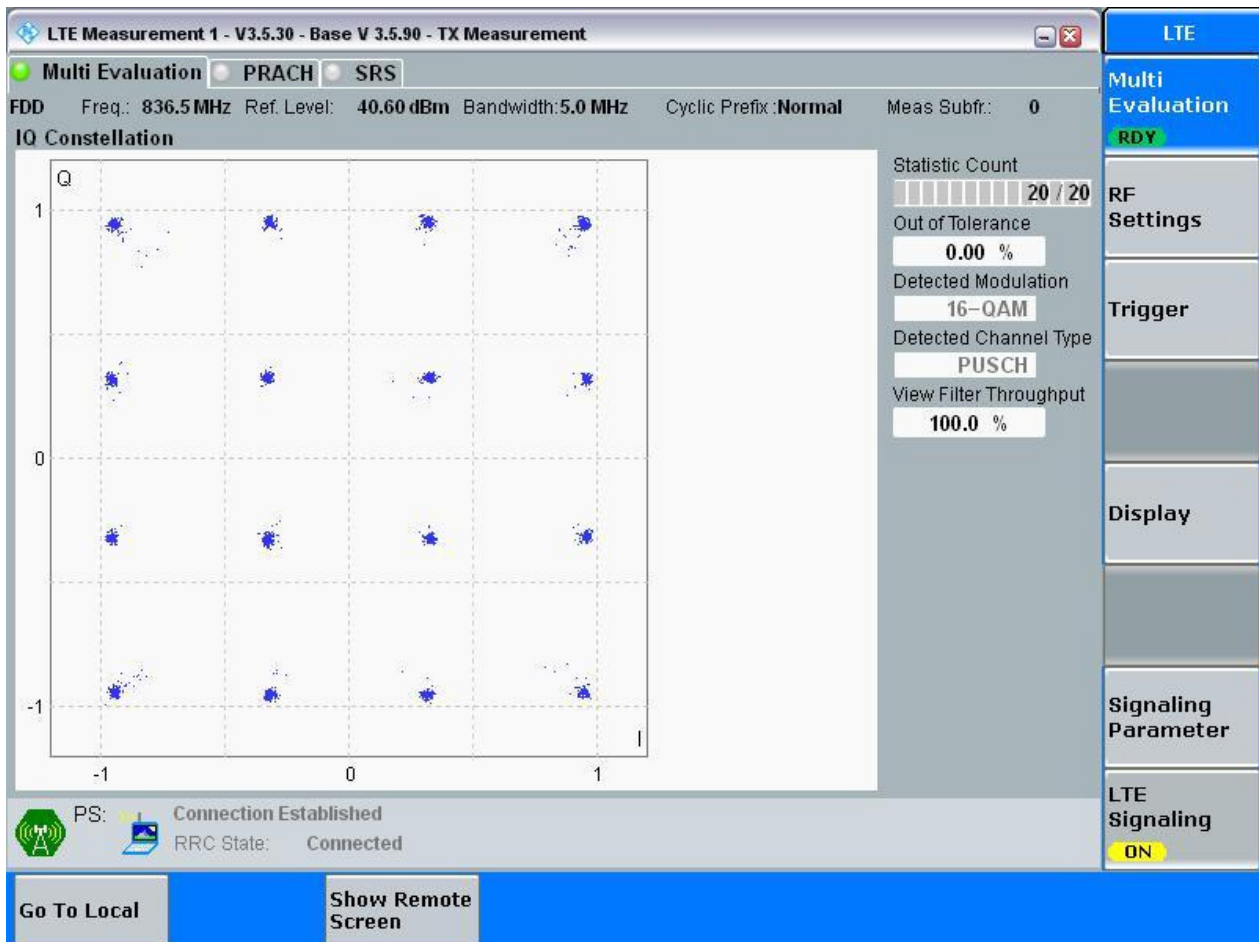
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

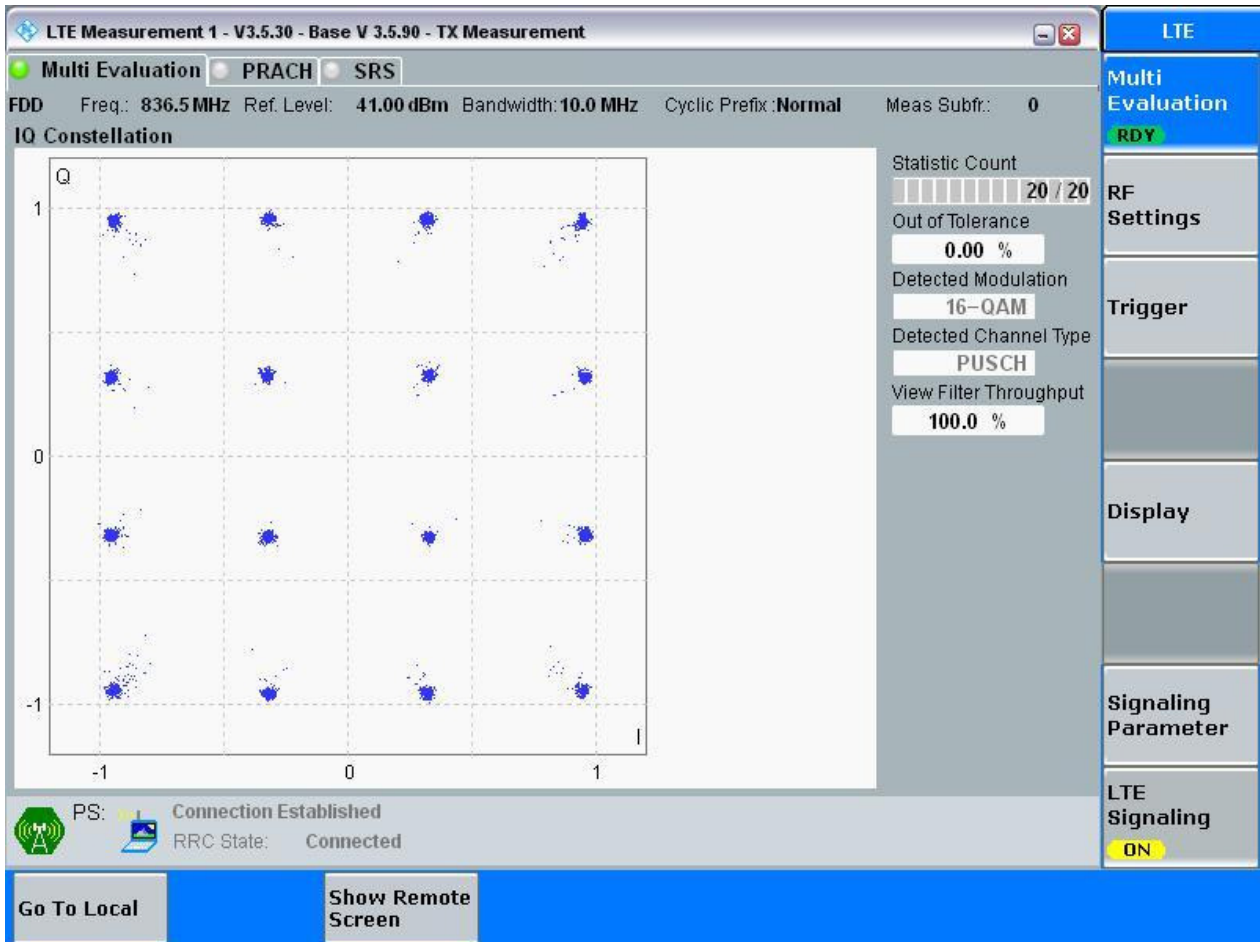
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

3.1.1.2.4.1.1 Test RB = RB50#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 |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| BAND5 | LTE/TM1 | 1.4 | LCH | RB6#0 | 1.09 | 1.29 | Pass |
| | | | MCH | RB6#0 | 1.09 | 1.28 | Pass |
| | | | HCH | RB6#0 | 1.08 | 1.26 | Pass |
| | | 3 | LCH | RB15#0 | 2.70 | 2.95 | Pass |
| | | | MCH | RB15#0 | 2.70 | 2.94 | Pass |
| | | | HCH | RB15#0 | 2.70 | 2.93 | Pass |
| | | 5 | LCH | RB25#0 | 4.50 | 4.89 | Pass |
| | | | MCH | RB25#0 | 4.49 | 4.87 | Pass |
| | | | HCH | RB25#0 | 4.50 | 4.86 | Pass |
| | | 10 | LCH | RB50#0 | 8.98 | 9.62 | Pass |
| | | | MCH | RB50#0 | 8.97 | 9.60 | Pass |
| | | | HCH | RB50#0 | 8.97 | 9.56 | Pass |
| | LTE/TM2 | 1.4 | LCH | RB6#0 | 1.09 | 1.27 | Pass |
| | | | MCH | RB6#0 | 1.09 | 1.26 | Pass |
| | | | HCH | RB6#0 | 1.09 | 1.28 | Pass |
| | | 3 | LCH | RB15#0 | 2.70 | 2.93 | Pass |
| | | | MCH | RB15#0 | 2.70 | 2.94 | Pass |
| | | | HCH | RB15#0 | 2.69 | 2.82 | Pass |
| | | 5 | LCH | RB25#0 | 4.50 | 4.89 | Pass |
| | | | MCH | RB25#0 | 4.50 | 4.82 | Pass |
| | | | HCH | RB25#0 | 4.49 | 4.86 | Pass |
| | | 10 | LCH | RB50#0 | 8.97 | 9.65 | Pass |
| | | | MCH | RB50#0 | 8.98 | 9.59 | Pass |
| | | | HCH | RB50#0 | 8.95 | 9.58 | Pass |



Part II - Test Plots

4.1 For LTE

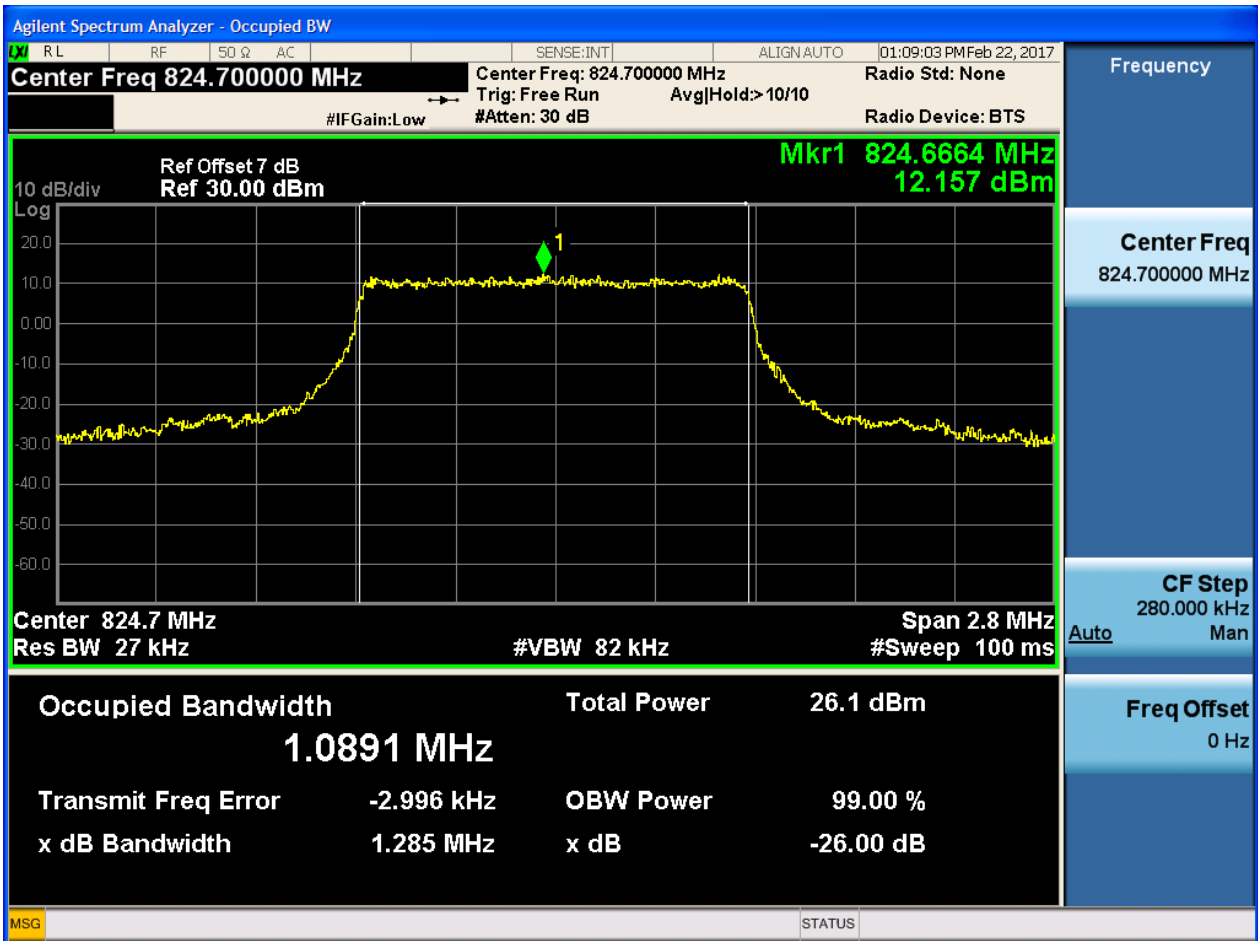
4.1.1 Test Band = BAND5

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

4.1.1.1.1.1 Test Channel = LCH

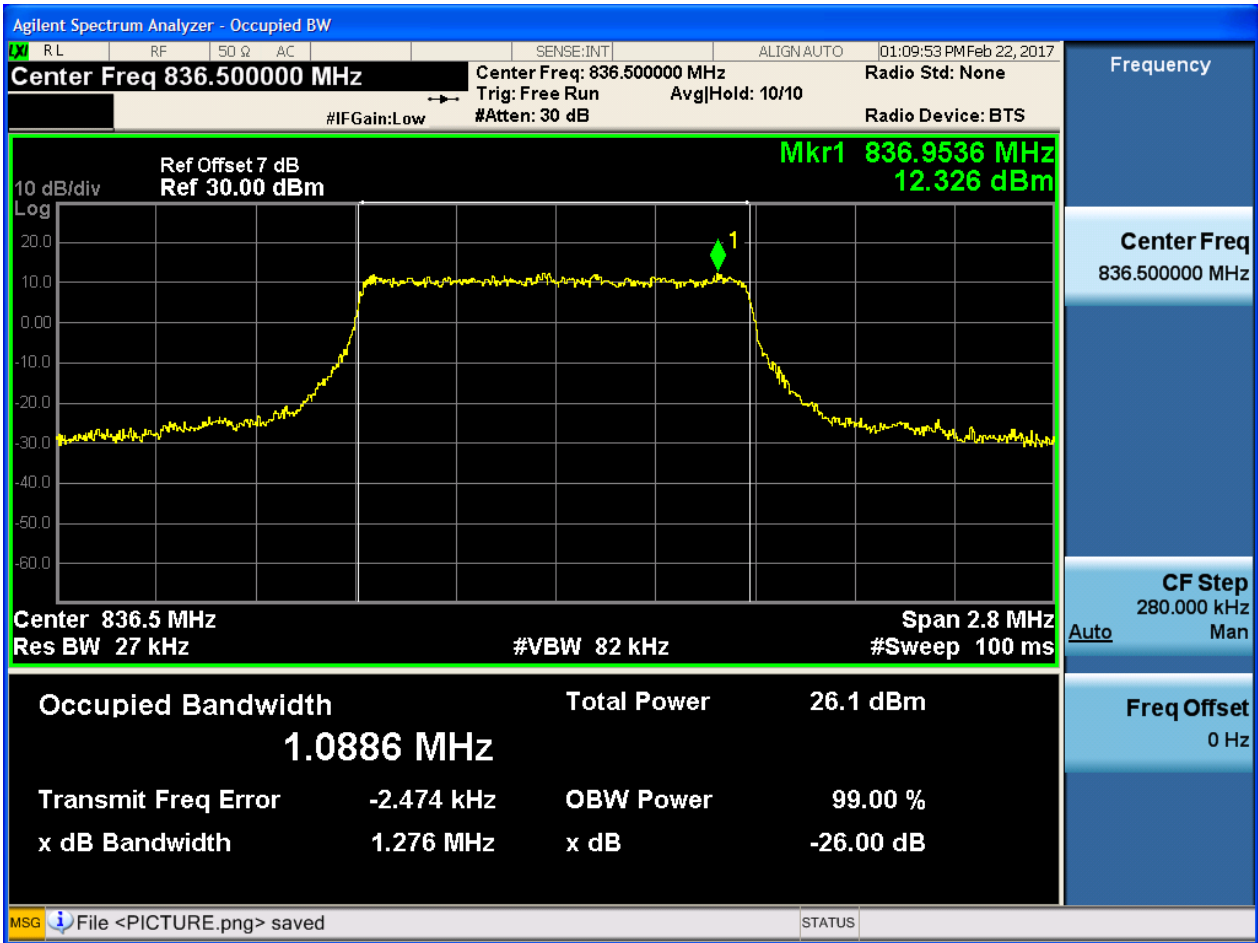
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.2 Test Channel = MCH

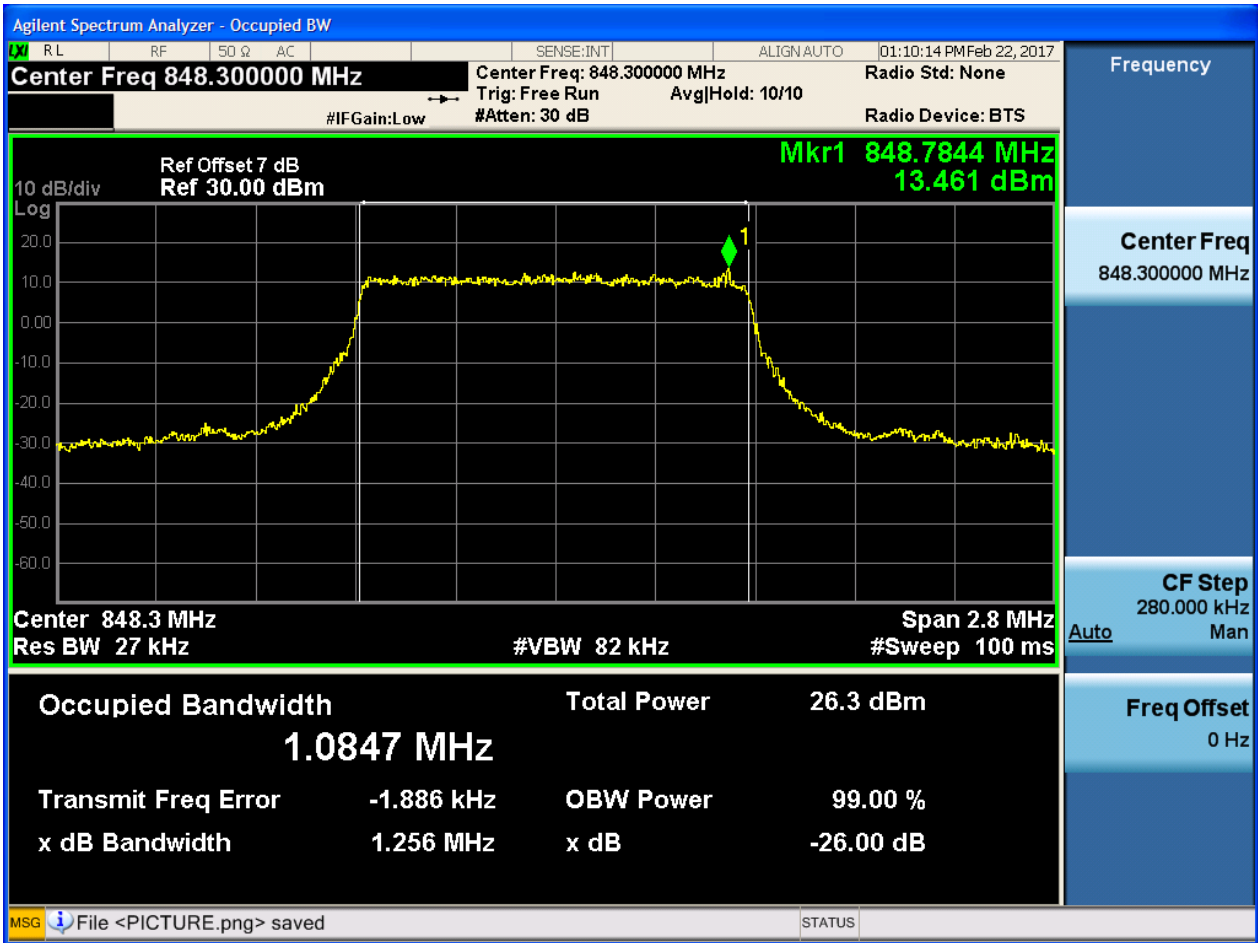
4.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.3 Test Channel = HCH

4.1.1.1.3.1 Test RB = RB6#0

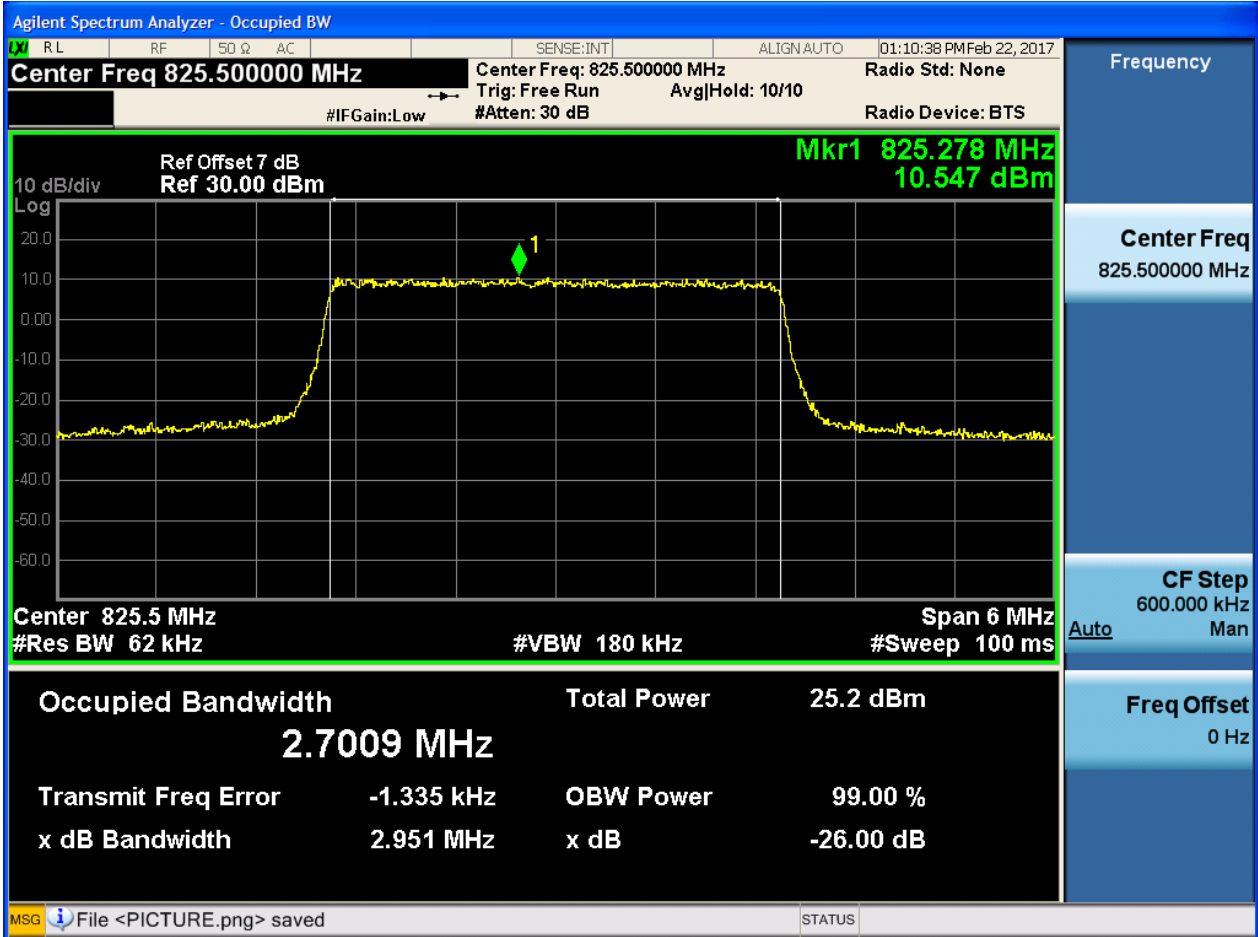




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

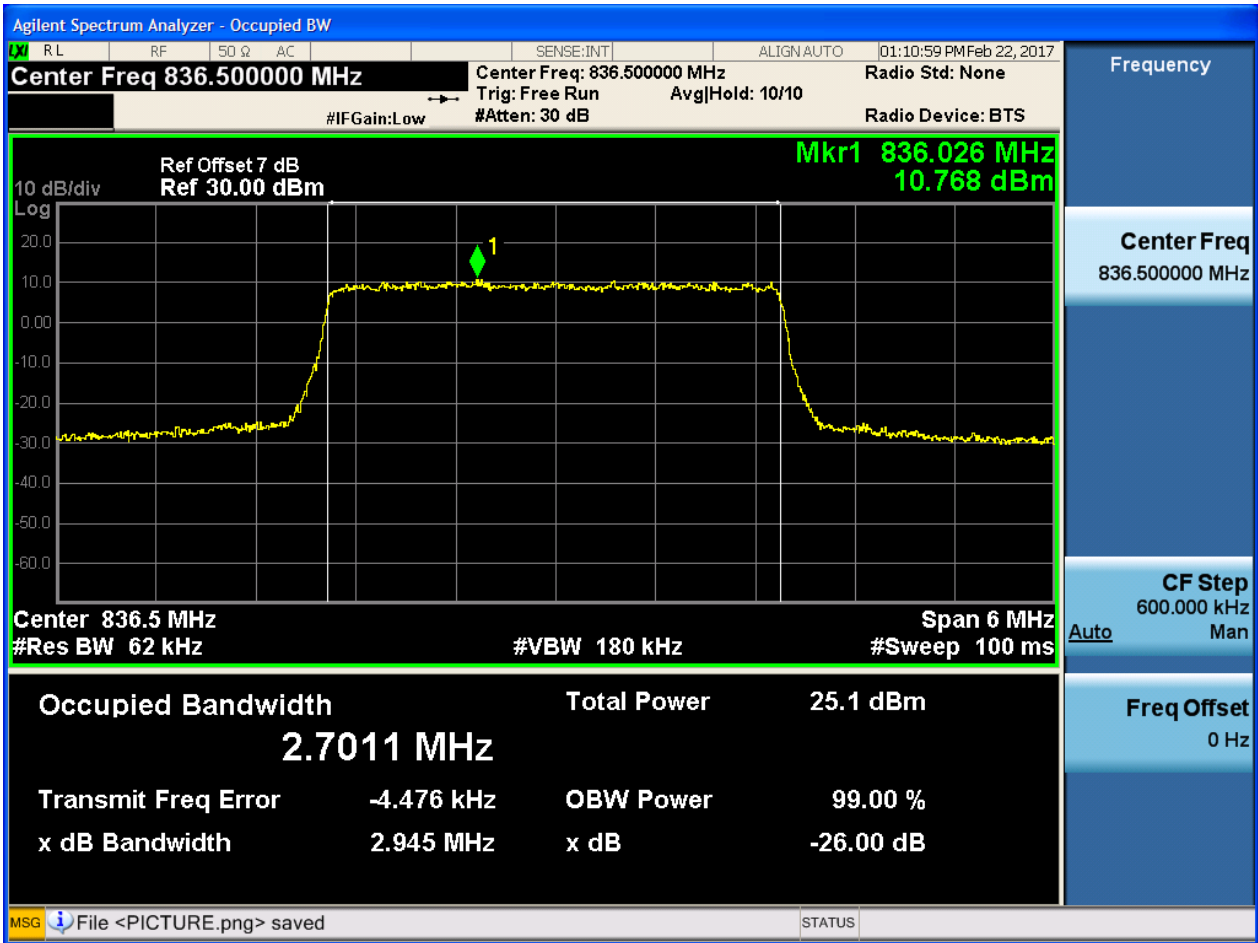
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

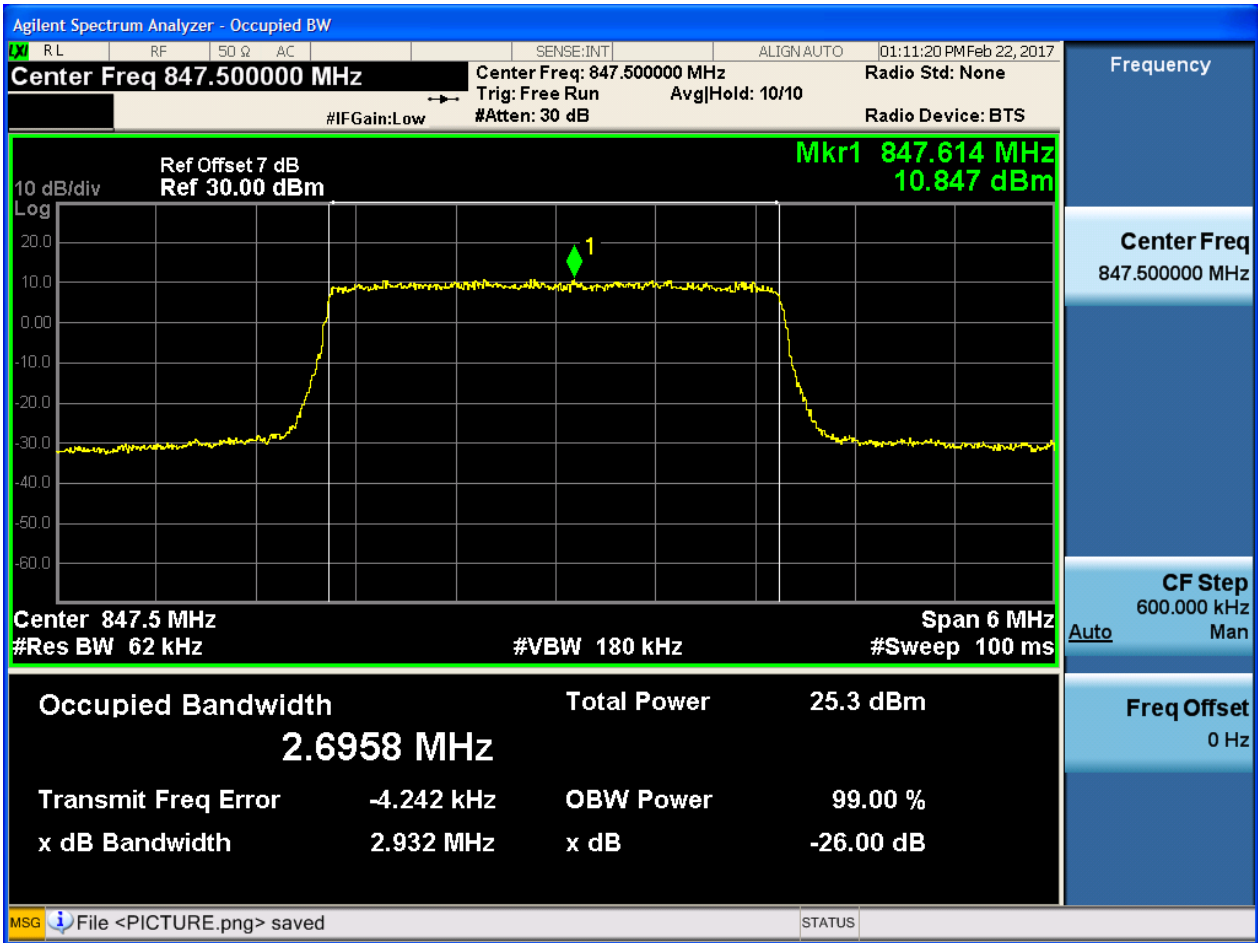
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

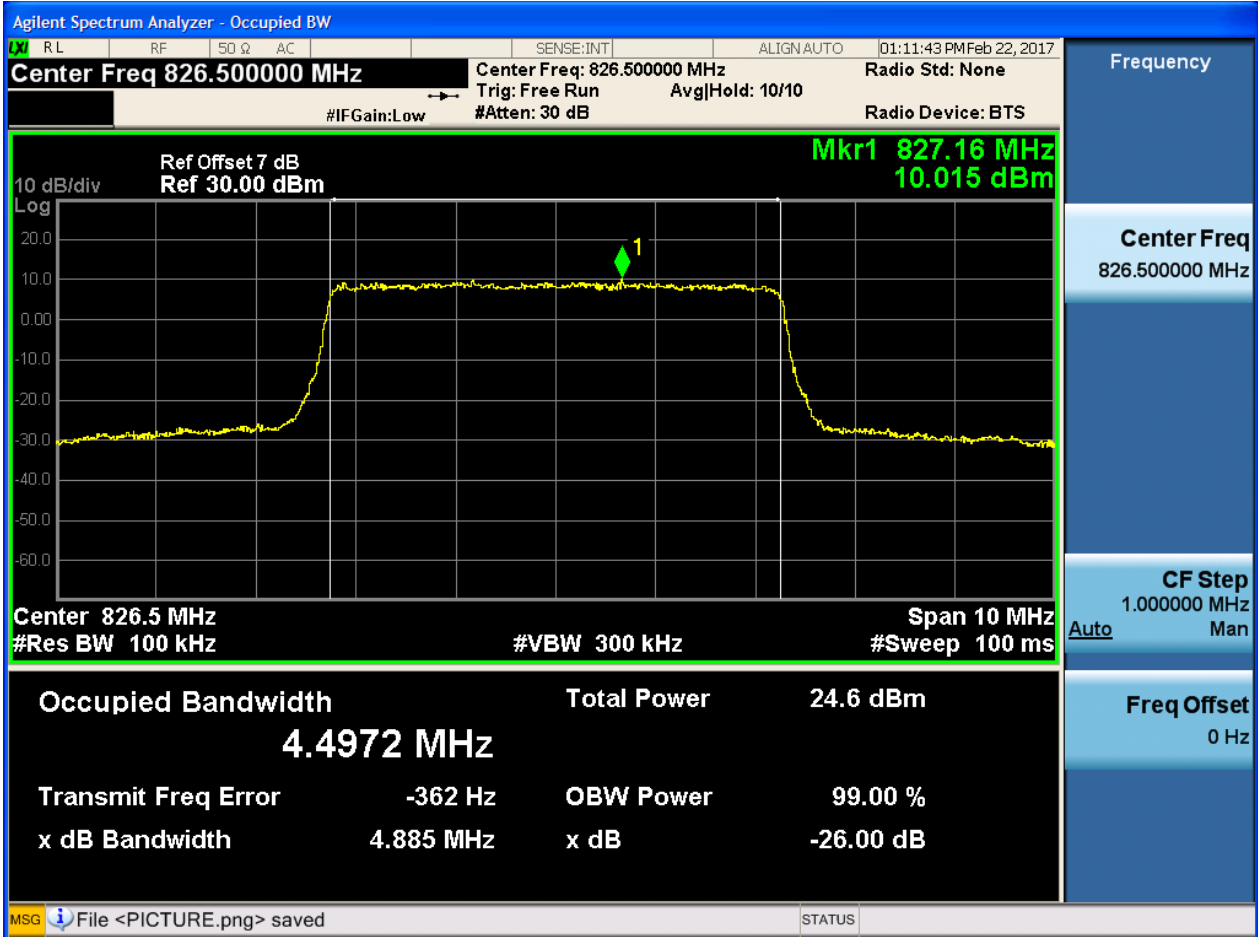




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

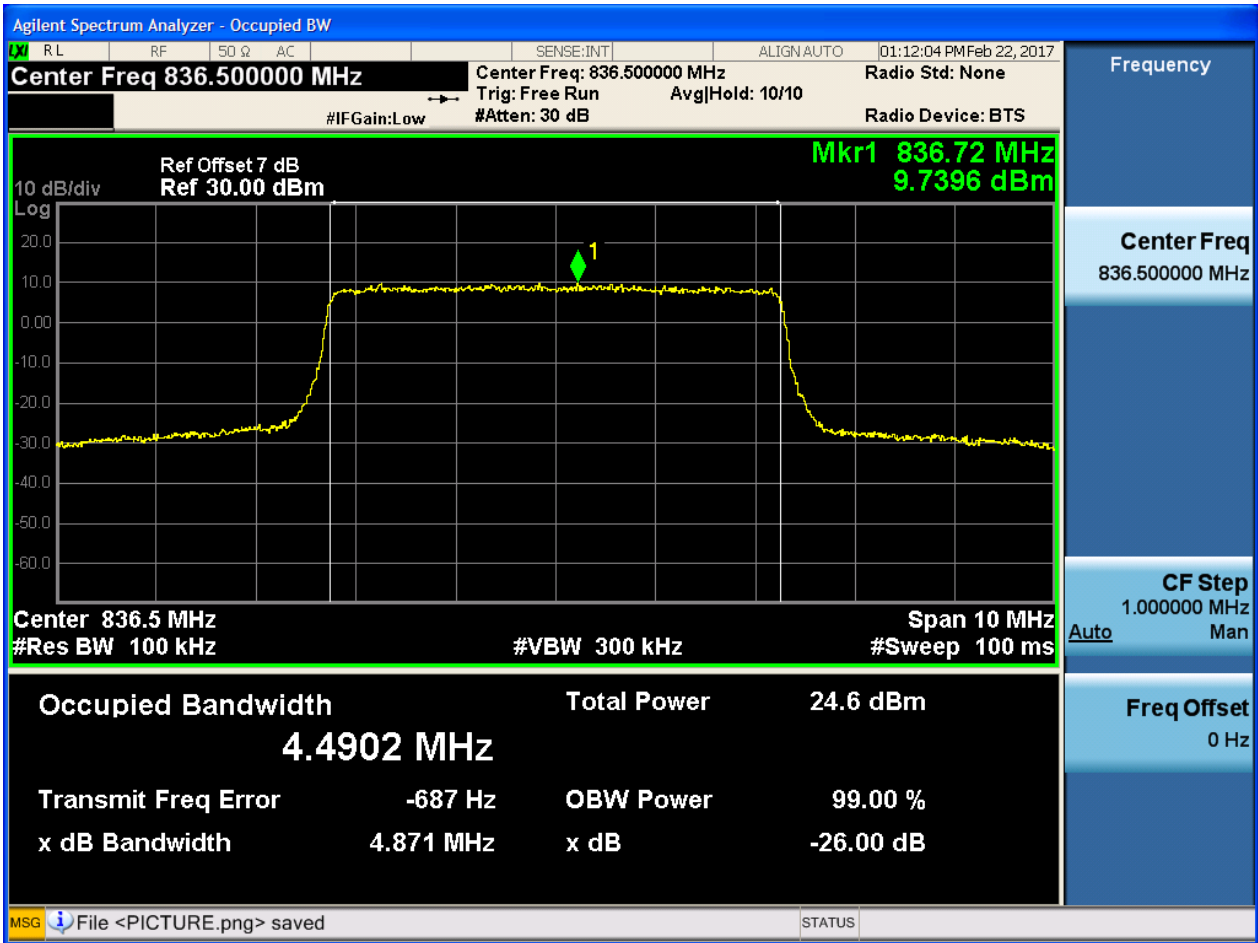
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

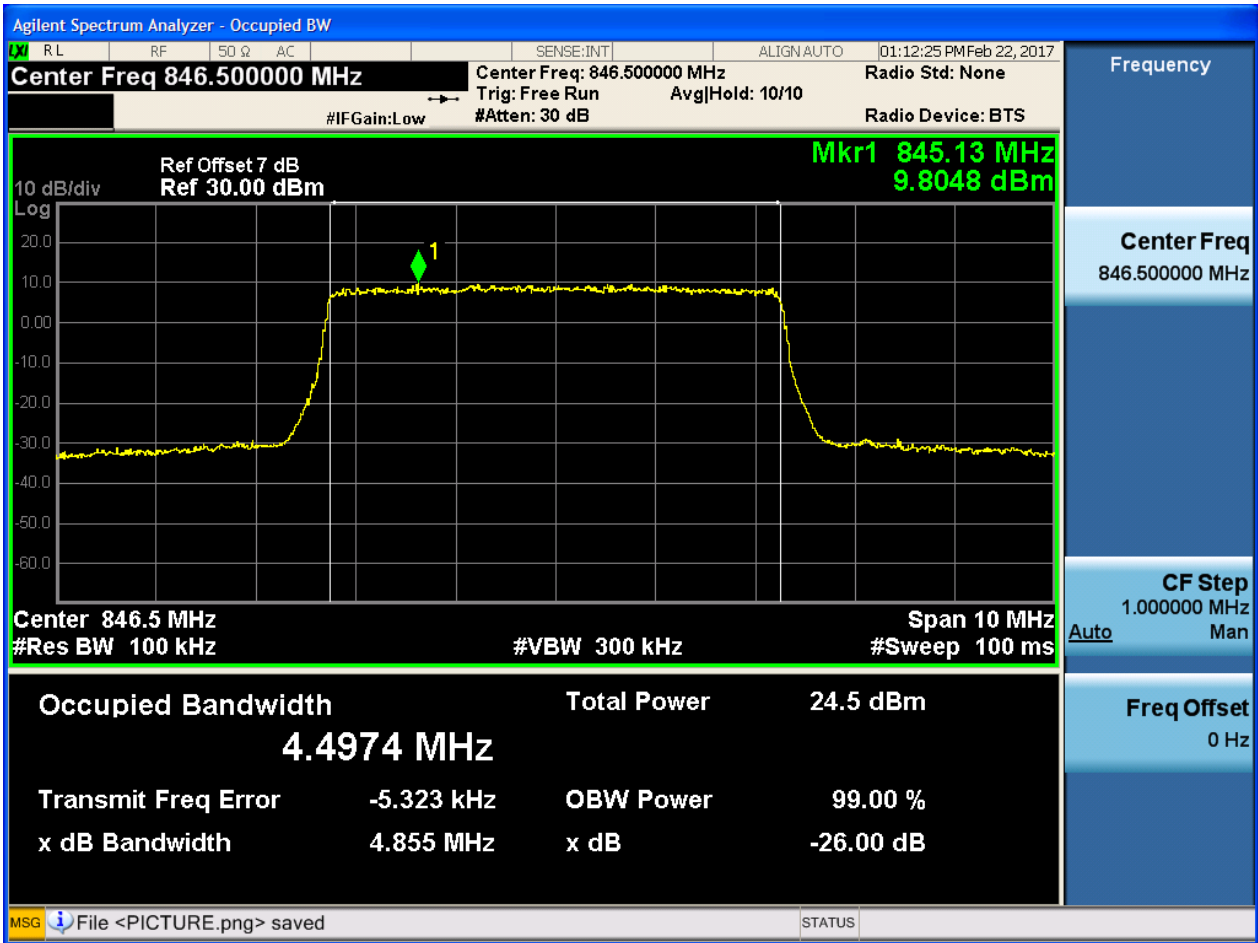
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

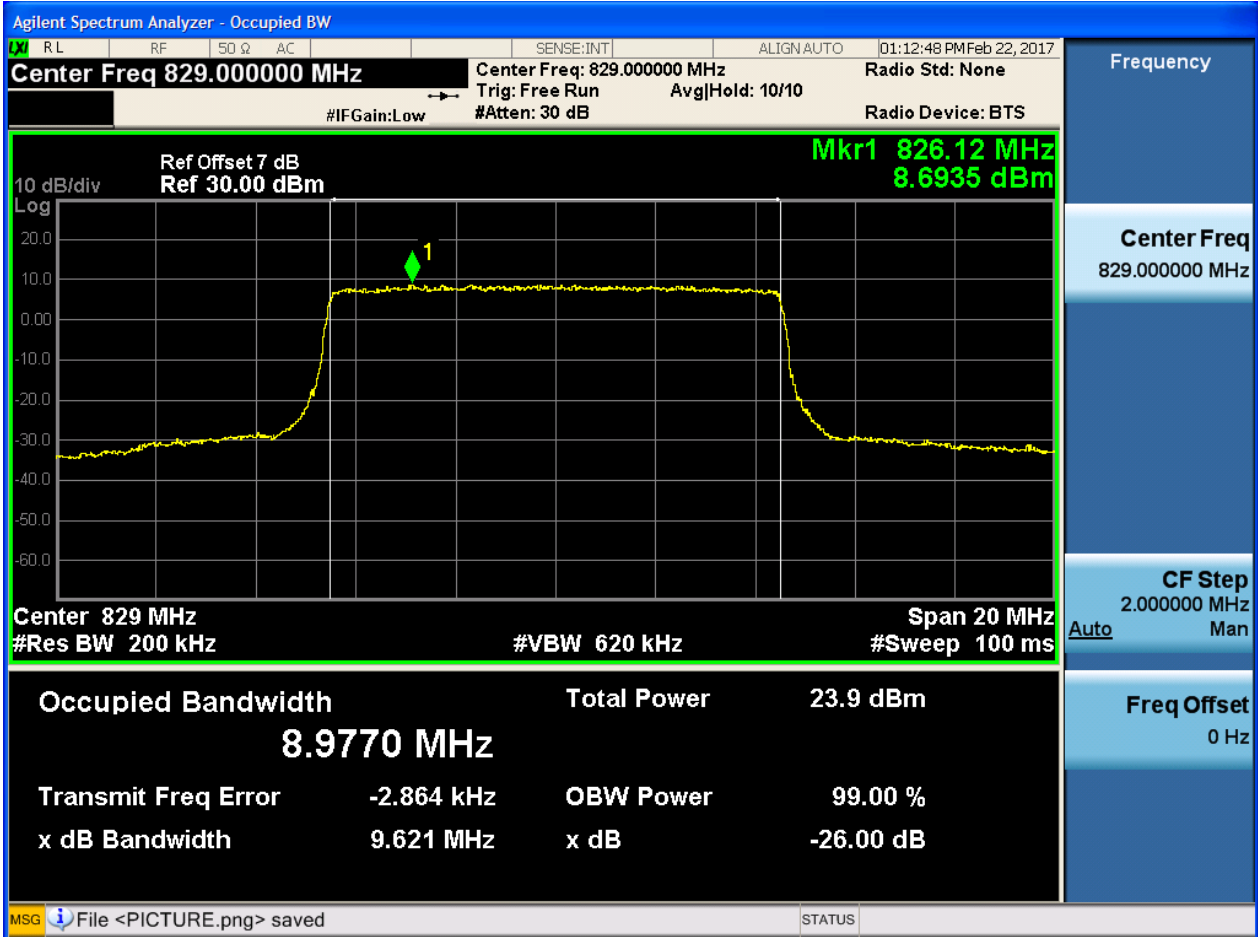




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

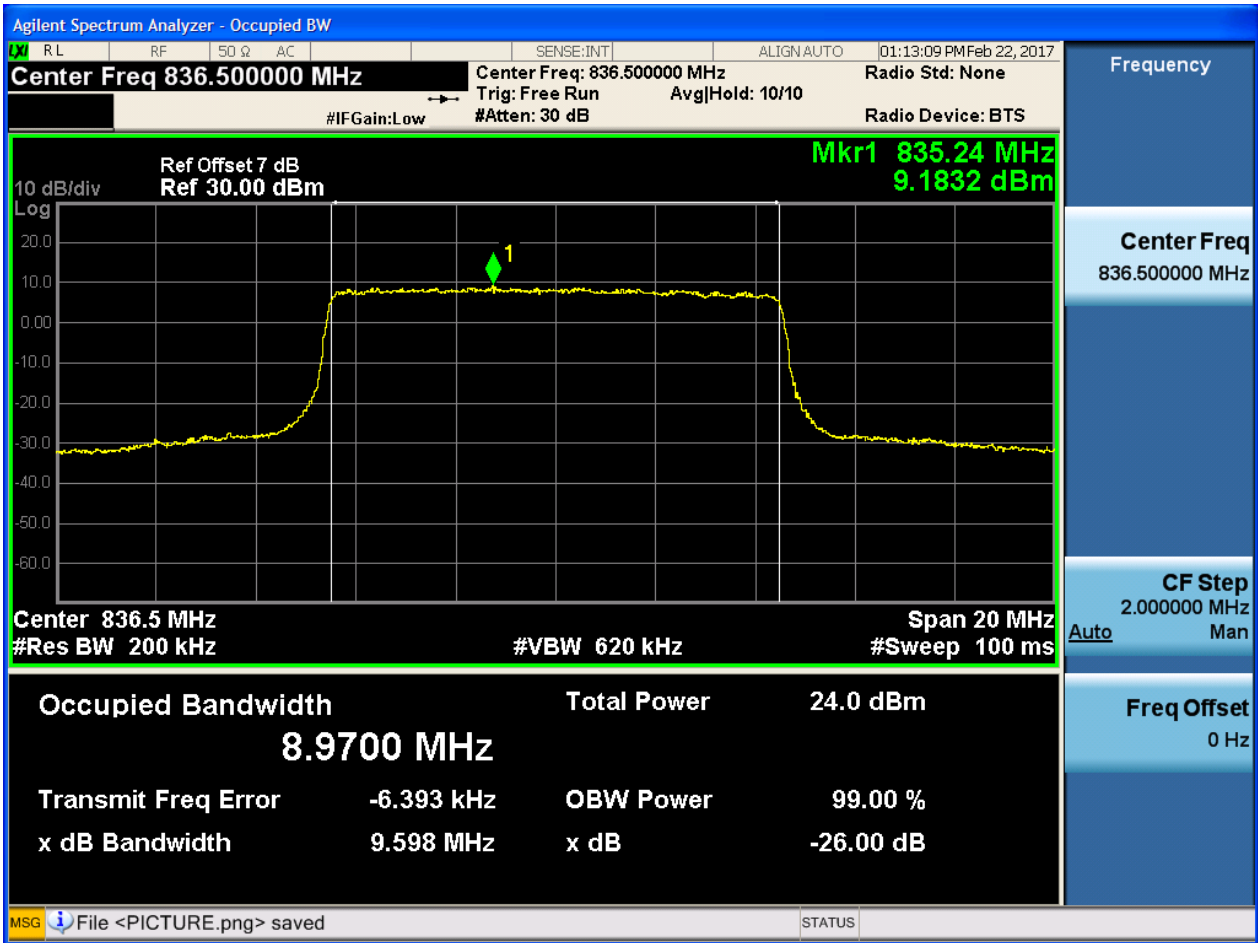
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

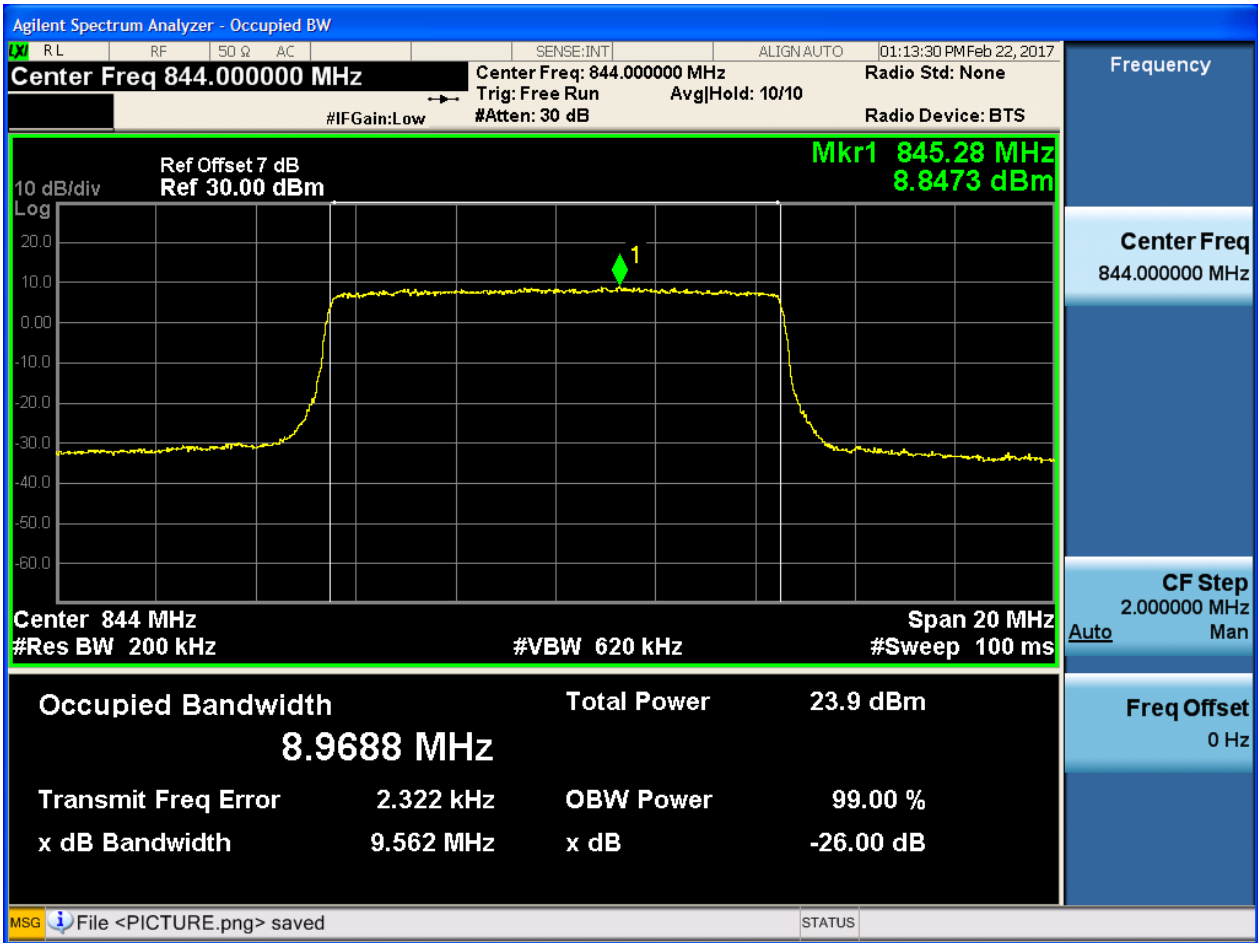
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0



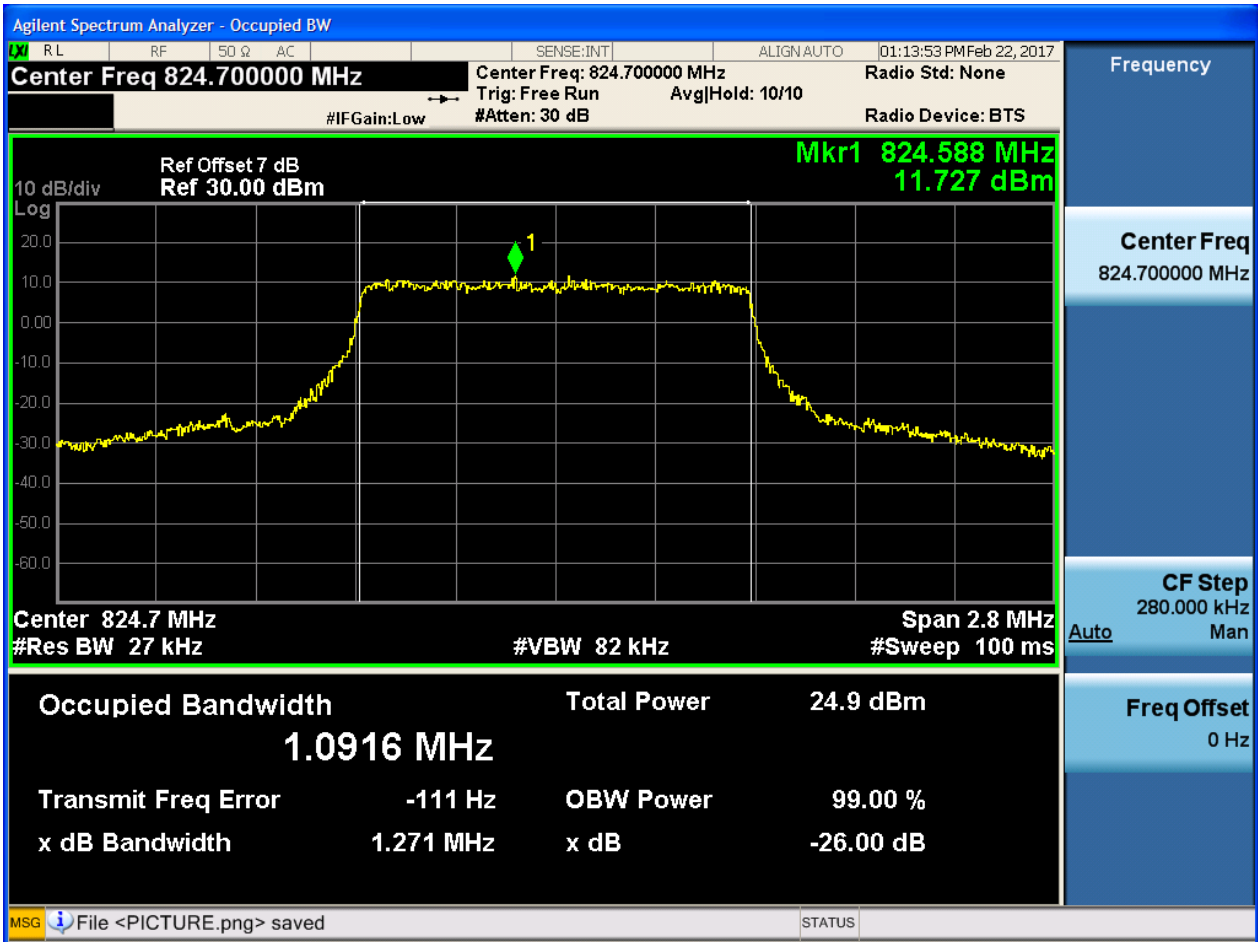


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

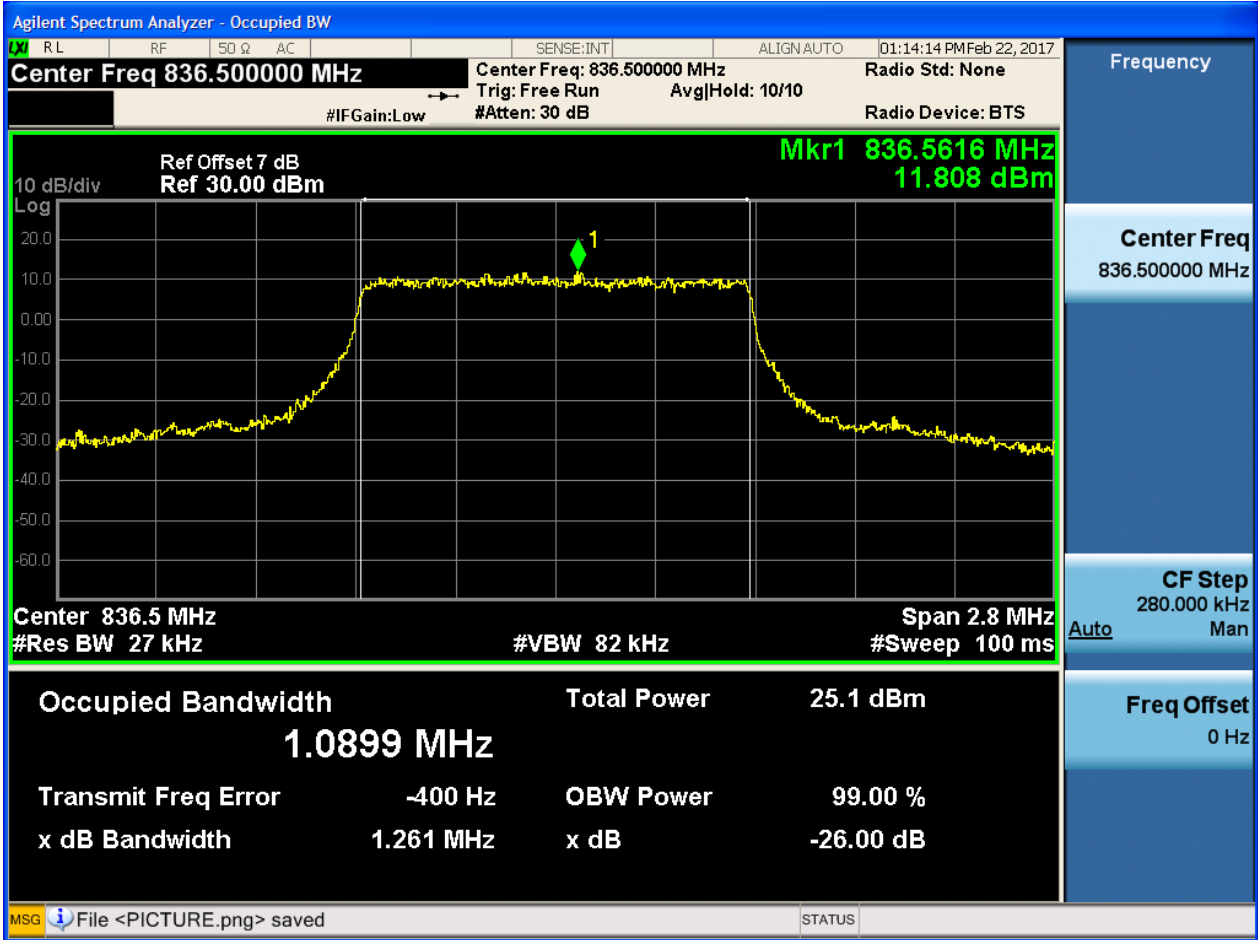
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

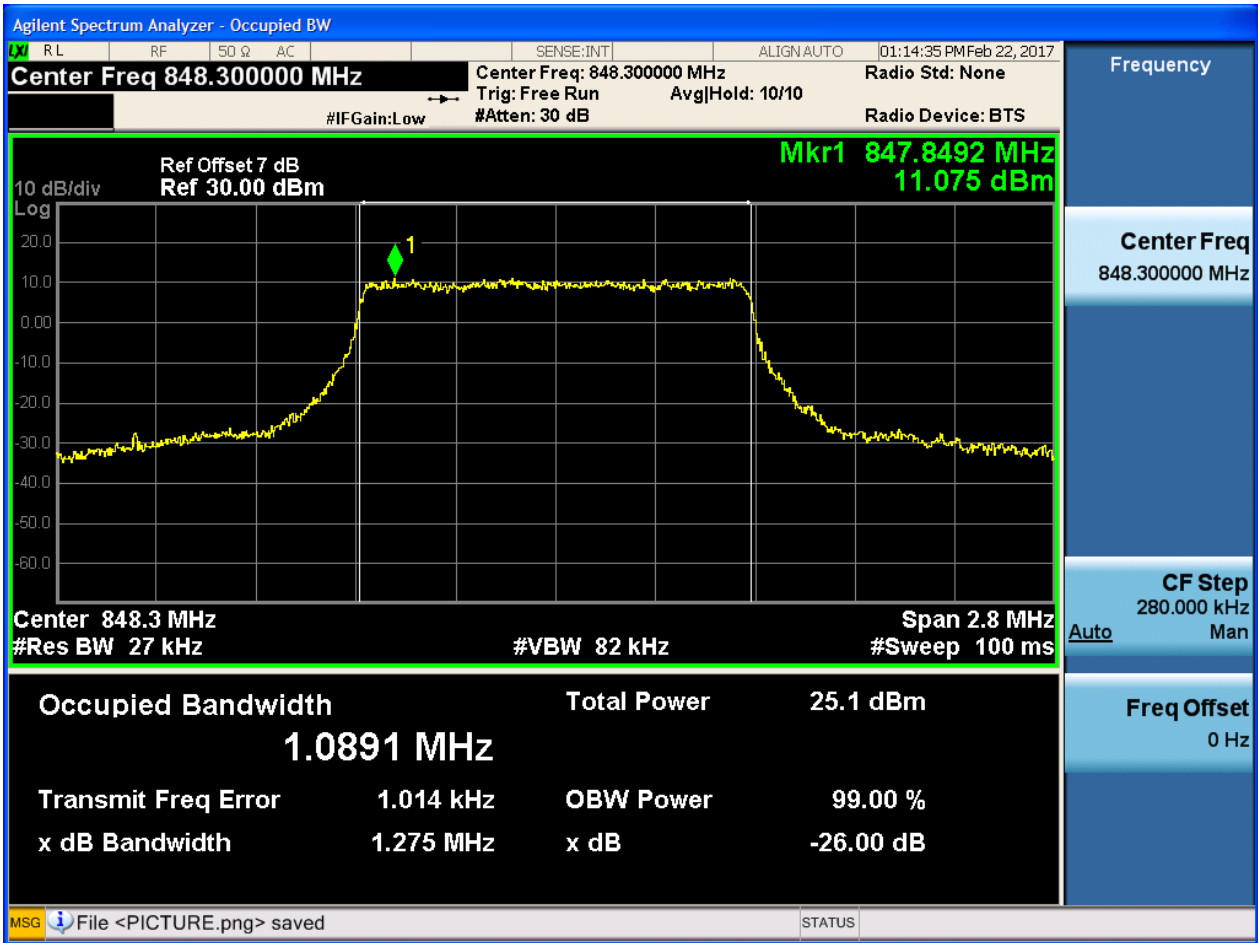
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

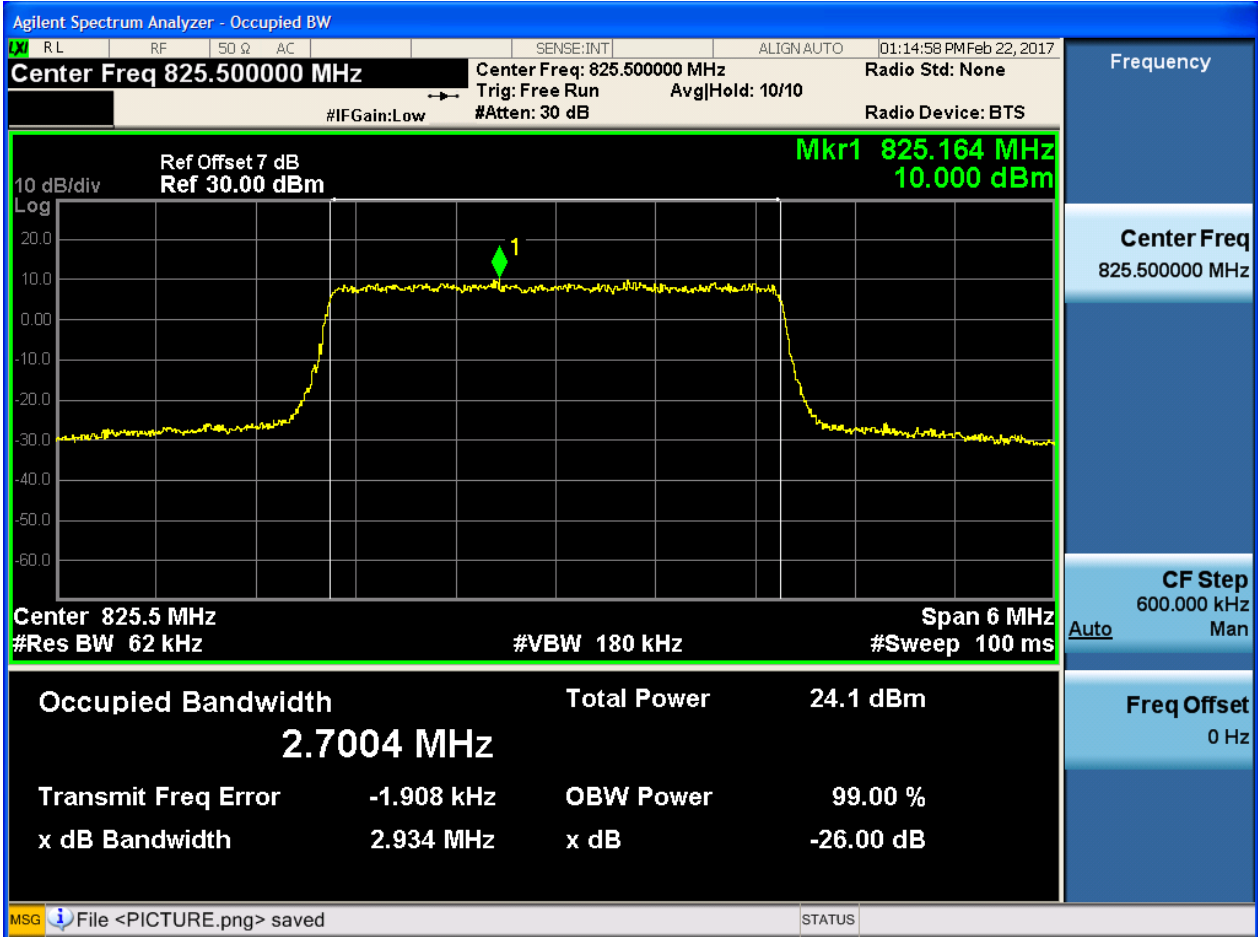




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

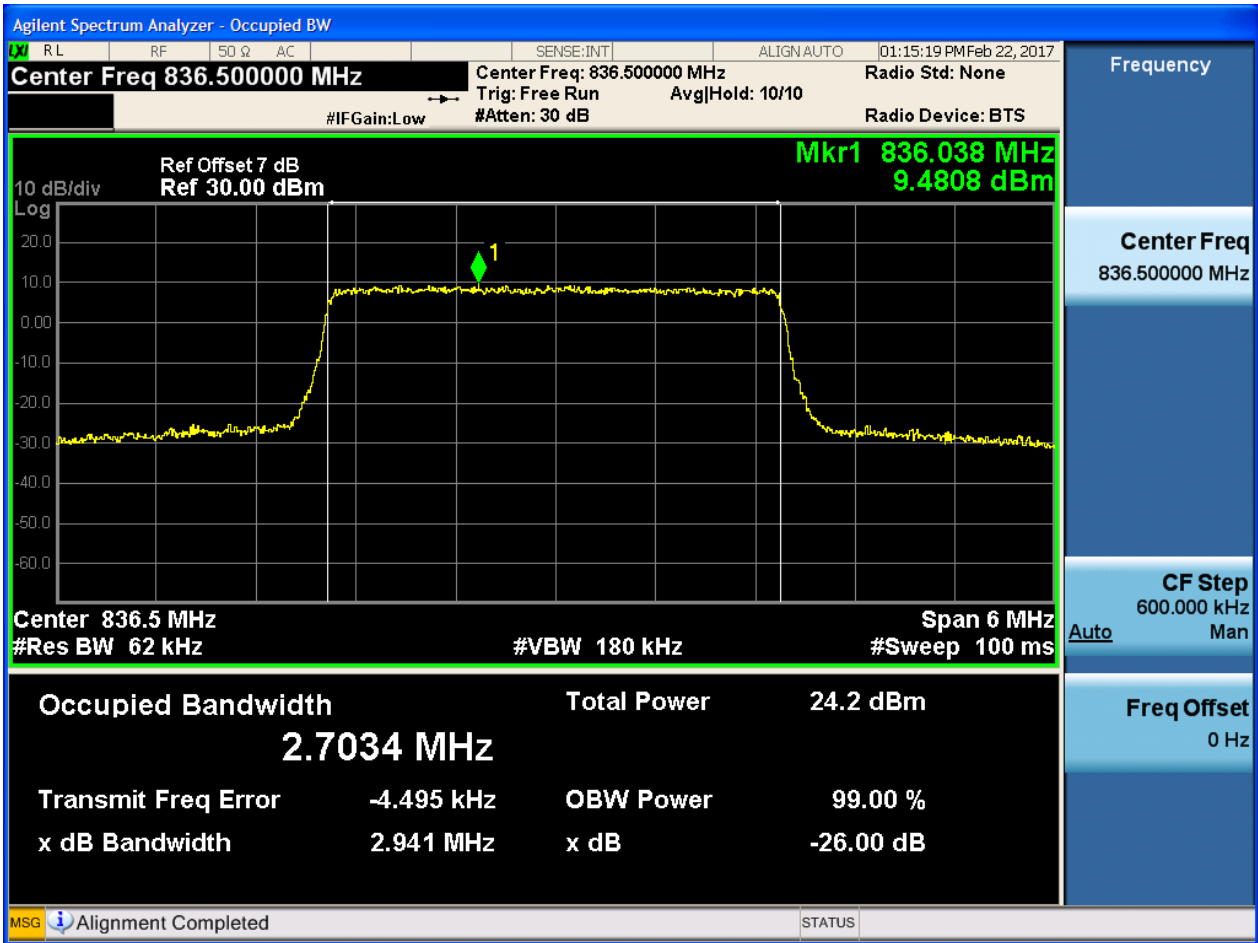
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

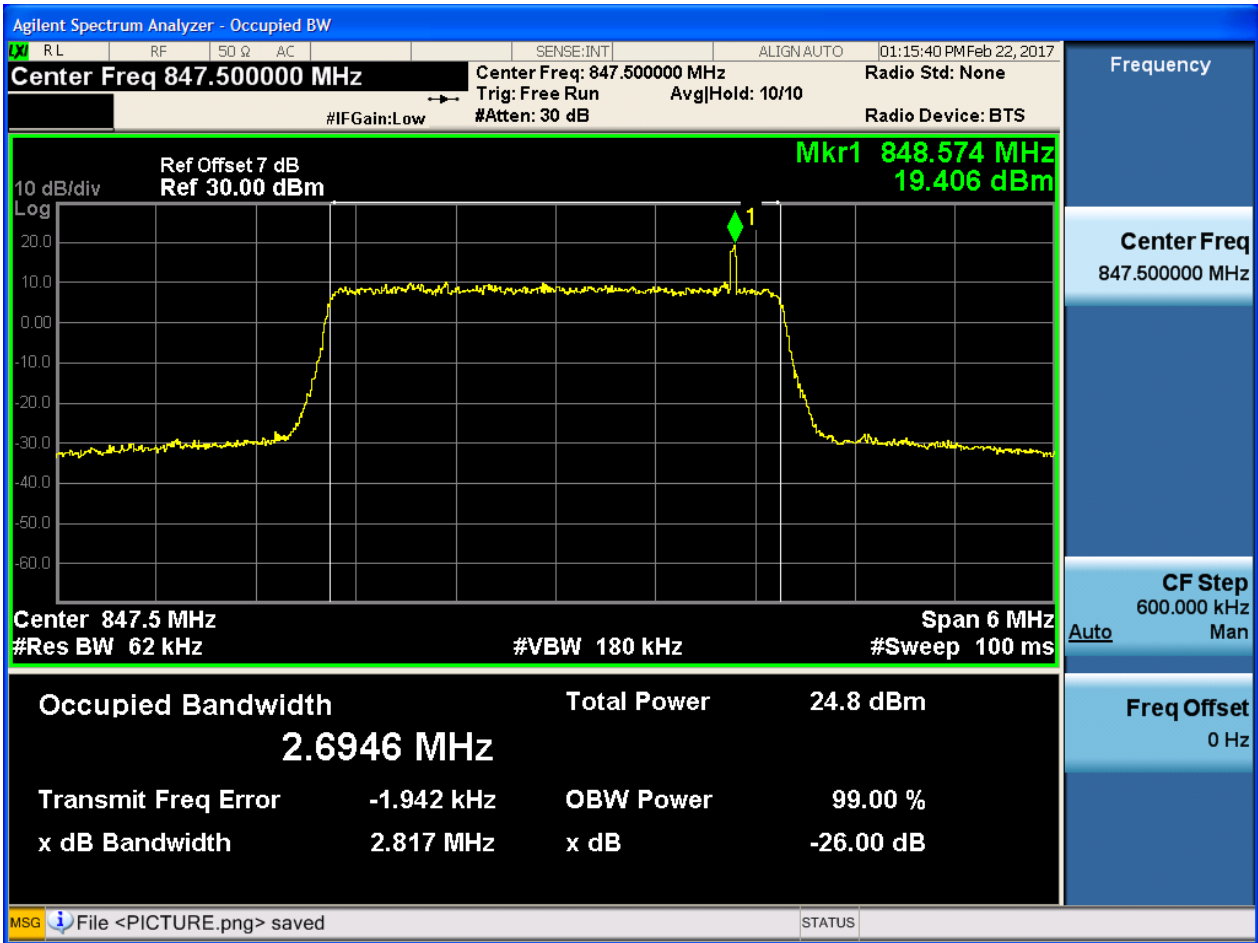
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

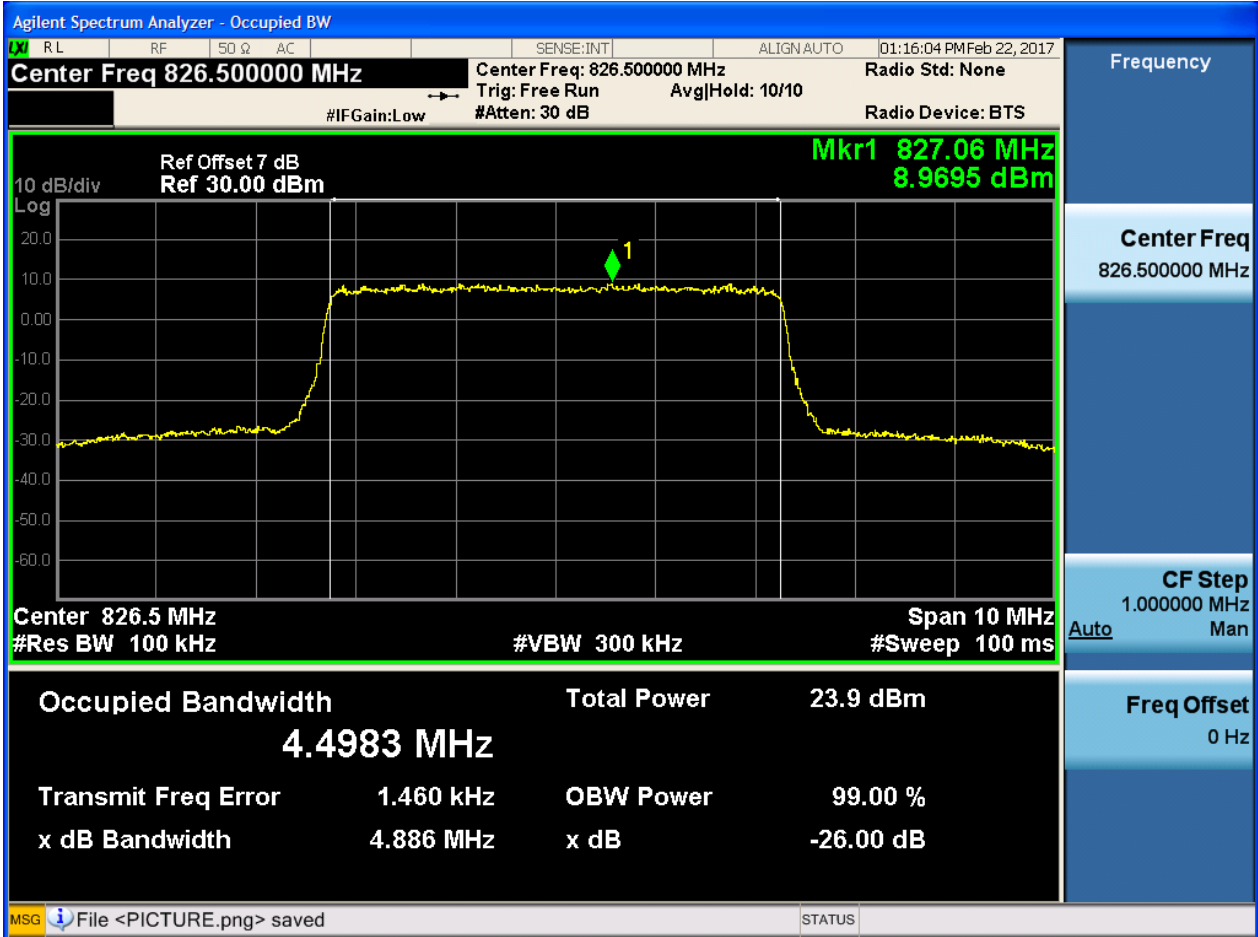




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

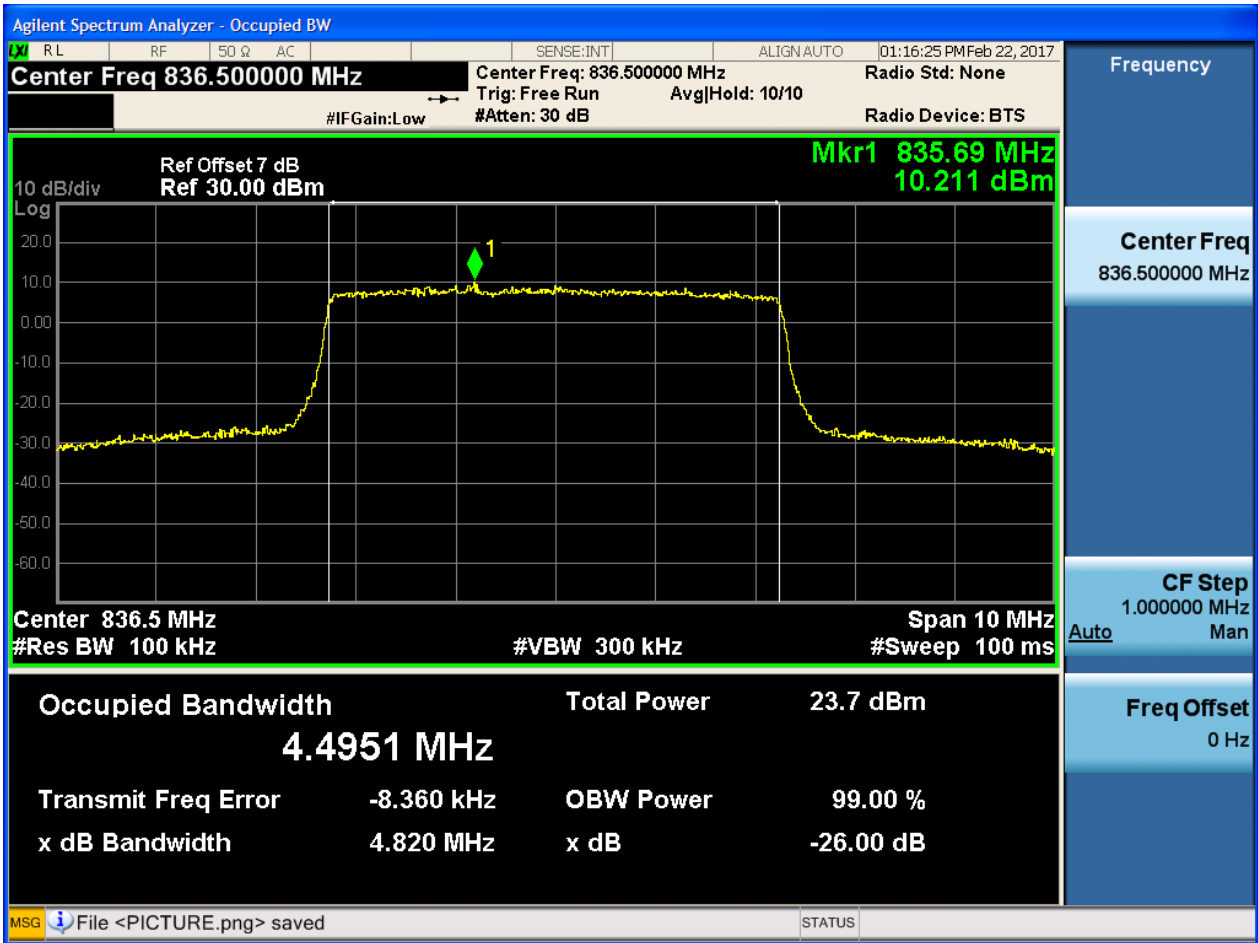
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

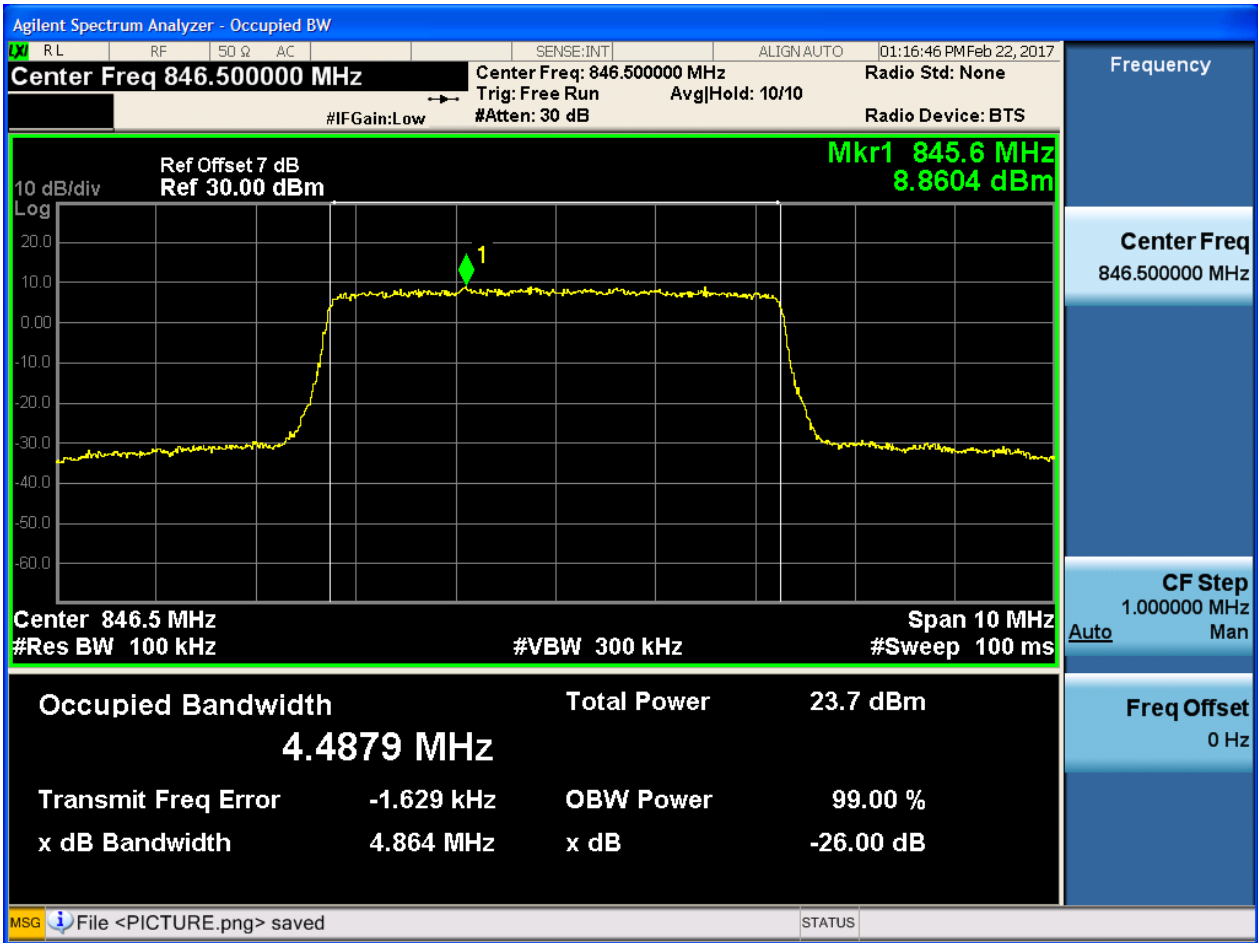
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

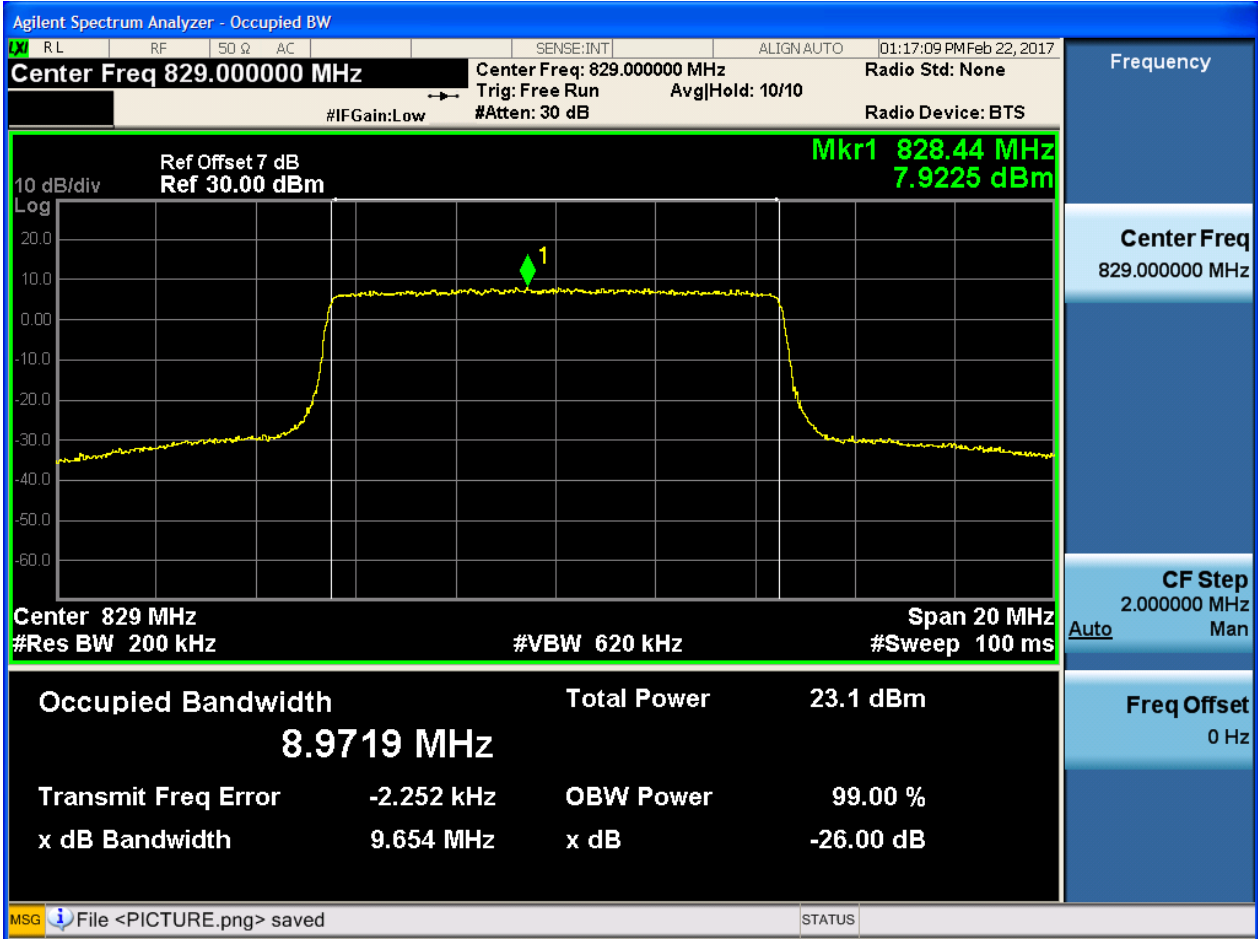




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

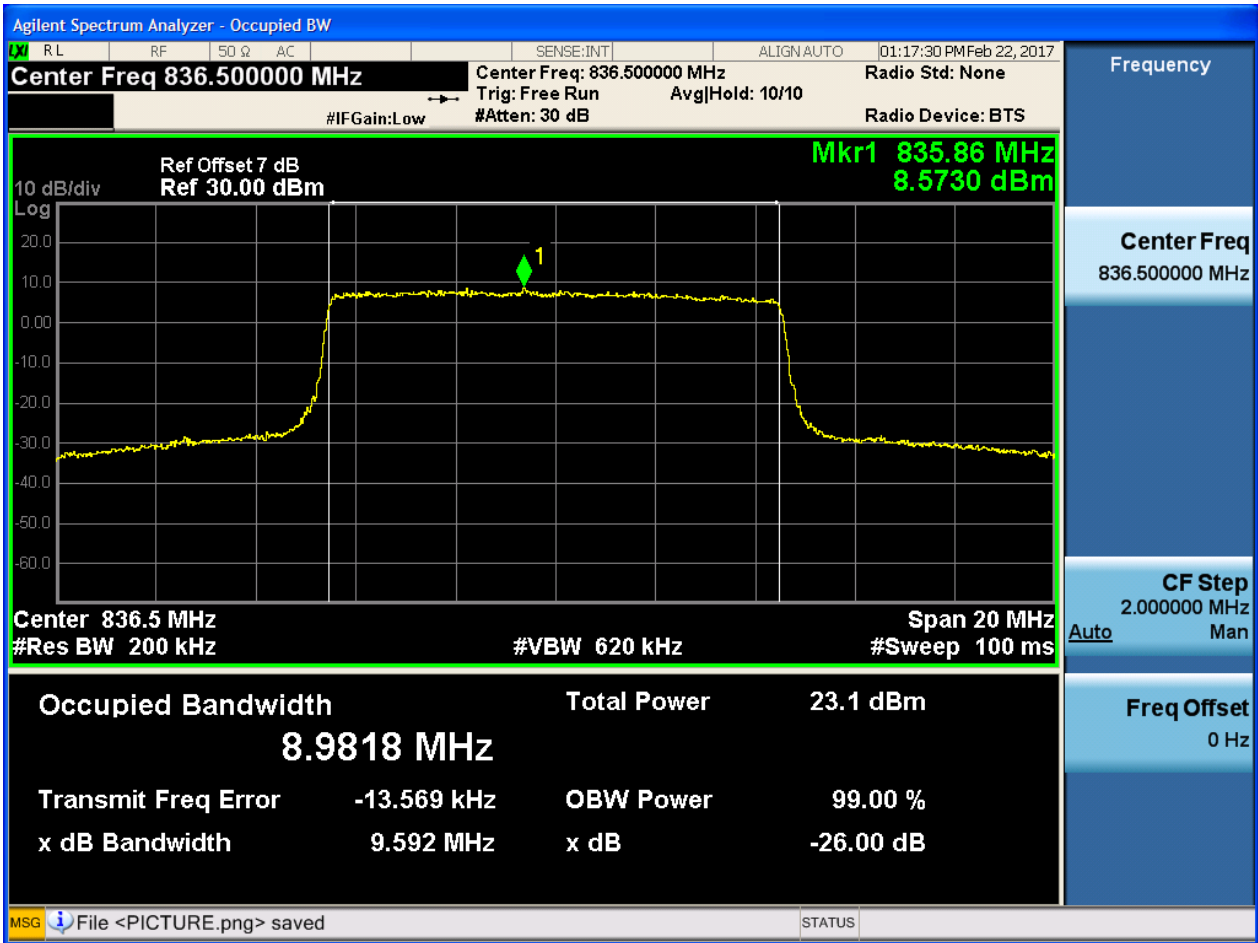
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

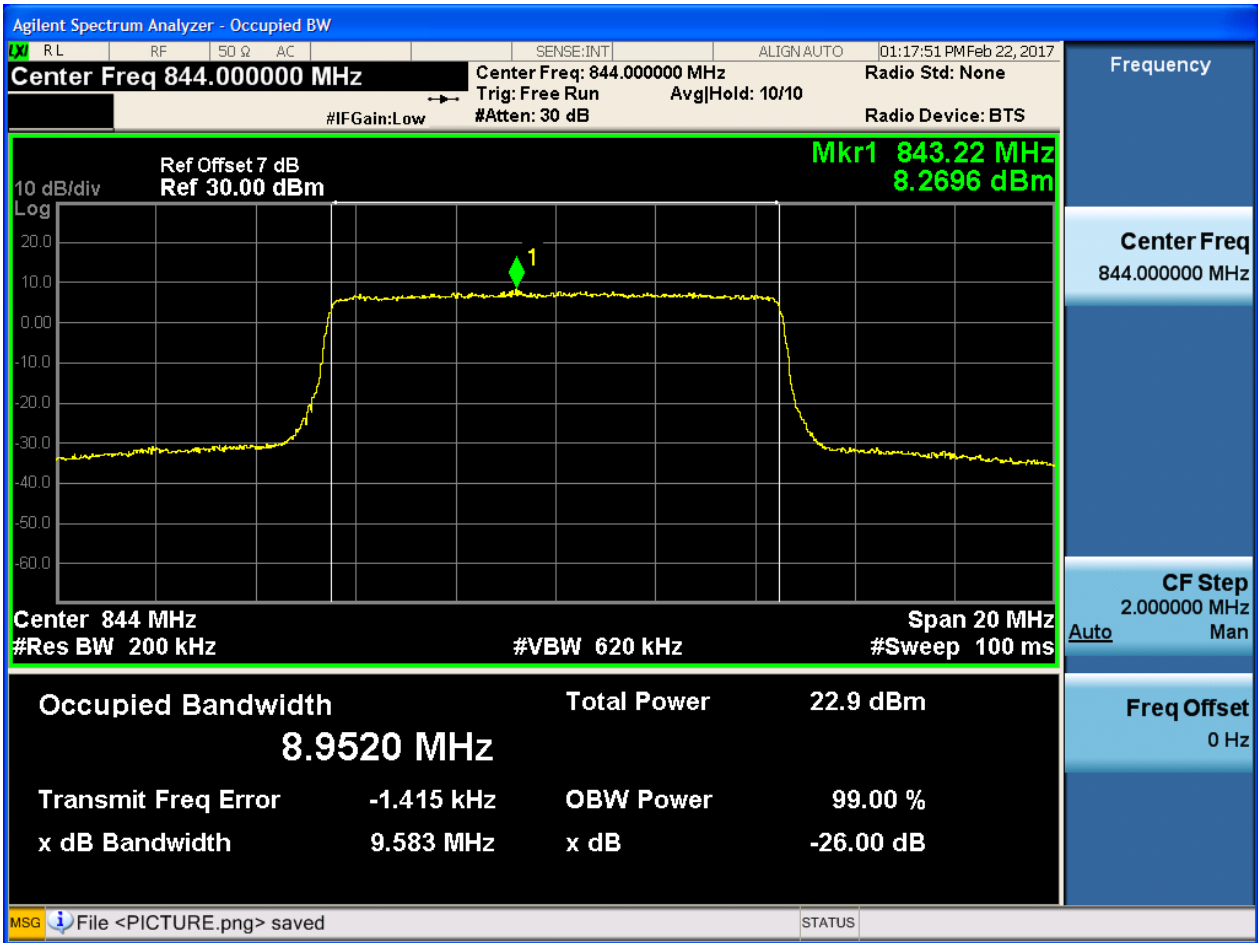
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0





5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

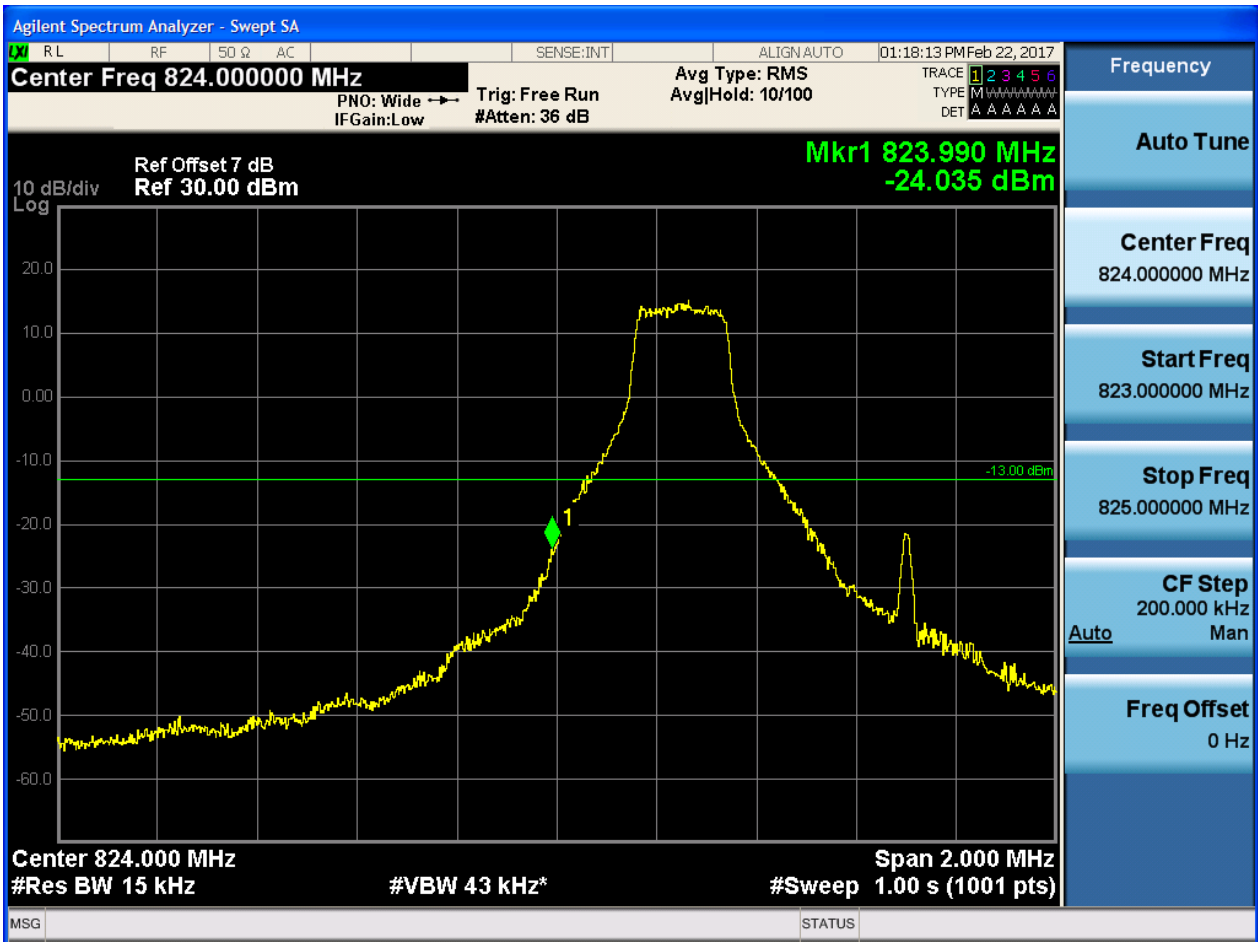
5.1.1 Test Band = BAND5

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

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#5



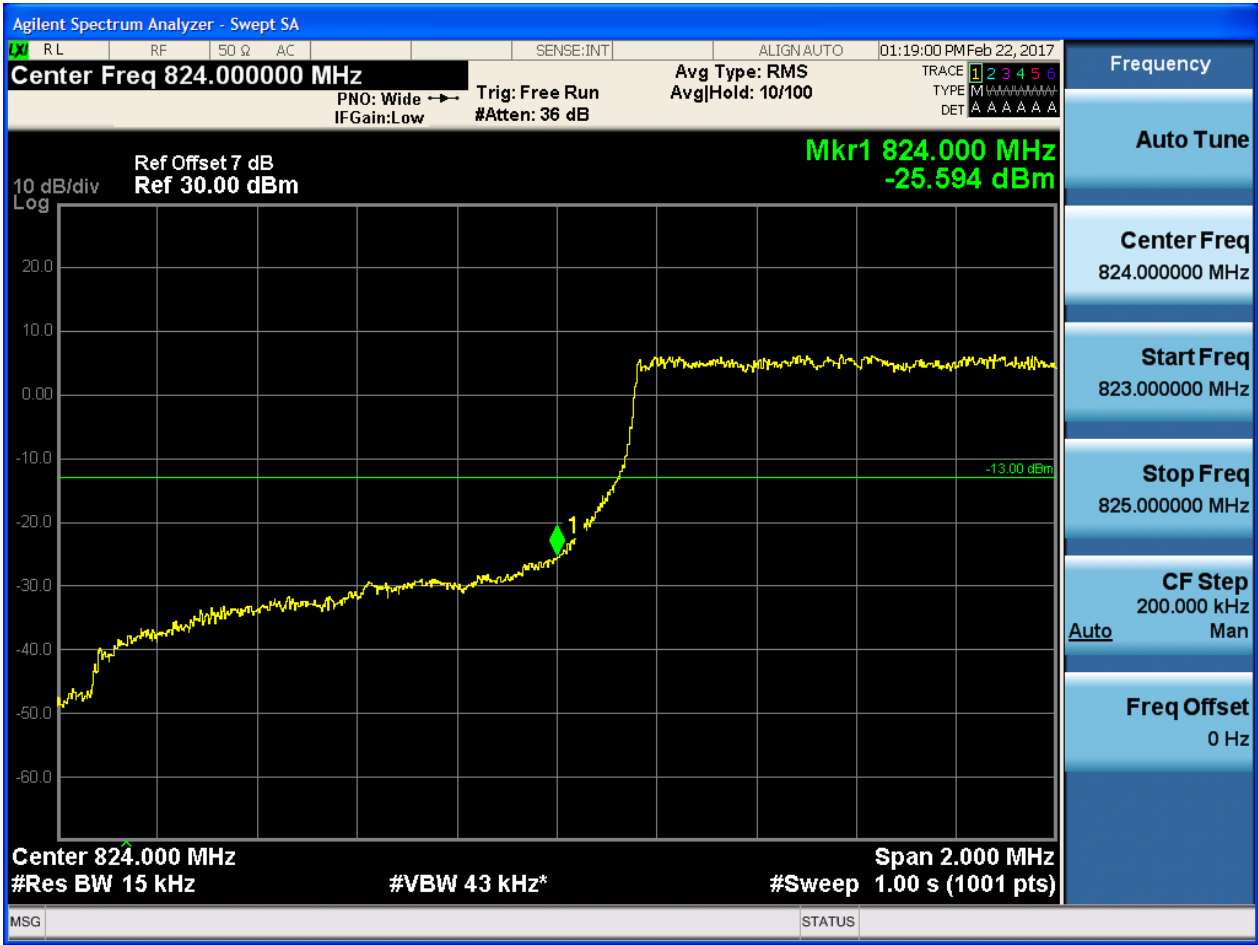


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





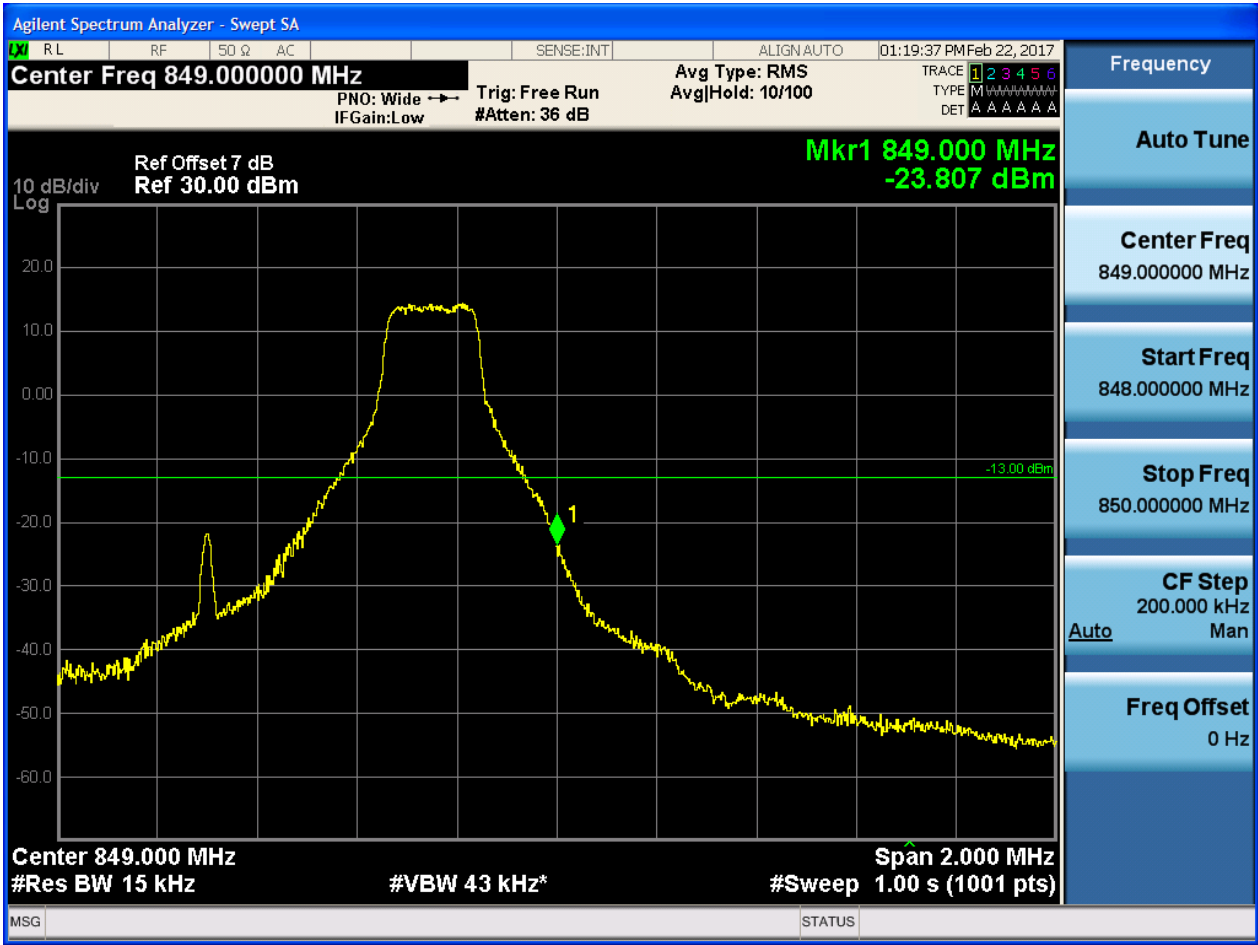
5.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

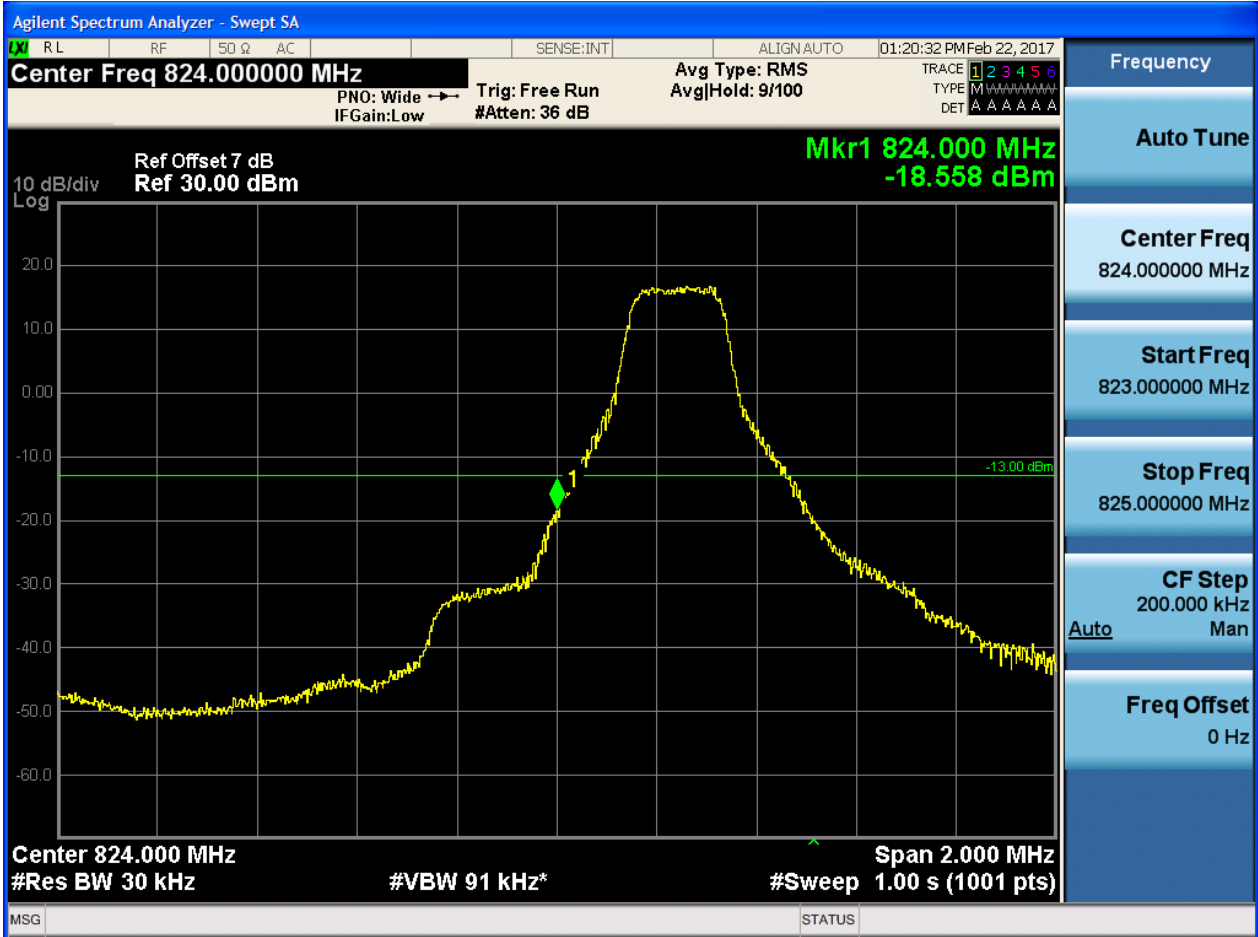




5.1.1.1.2 Test Bandwidth = 3

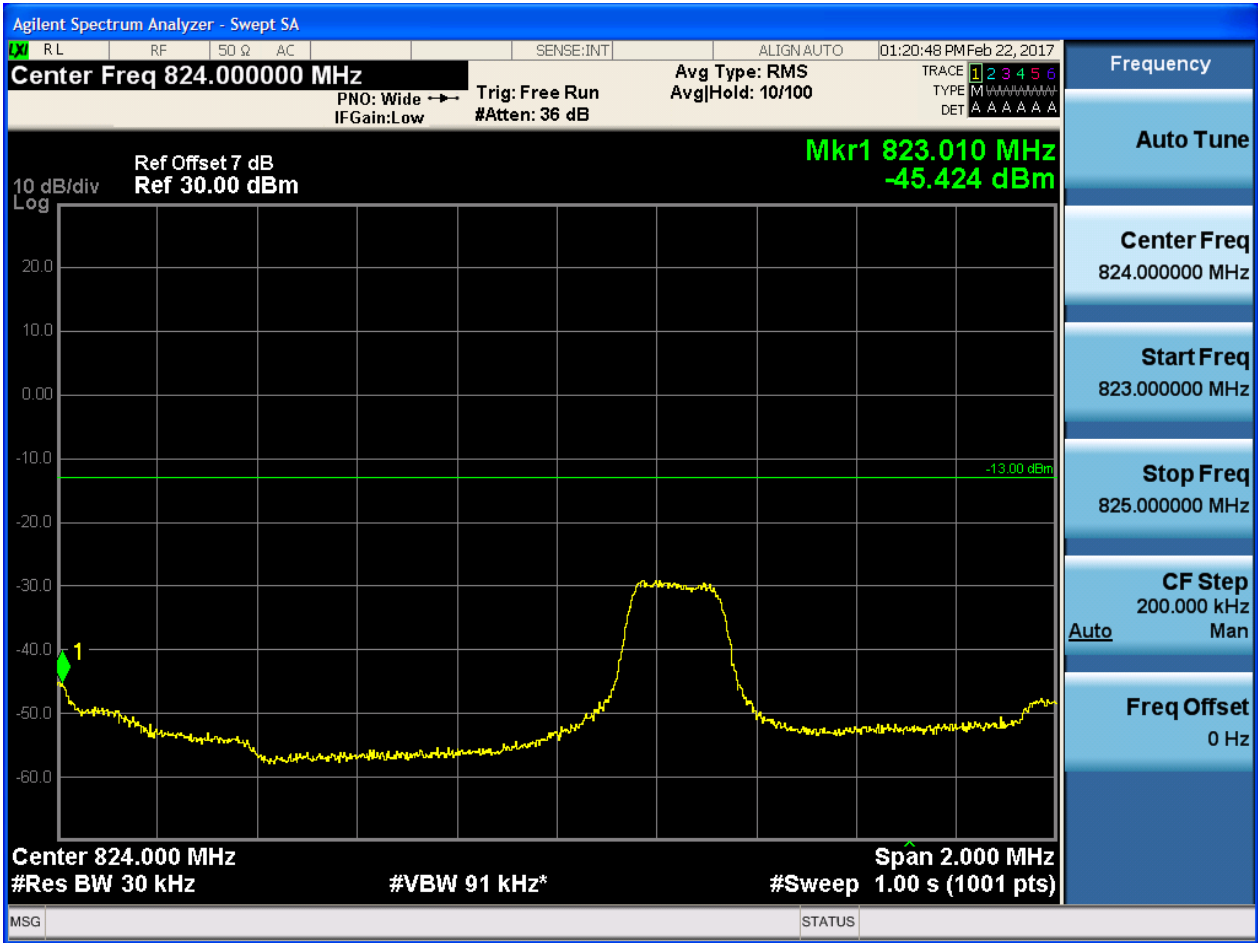
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



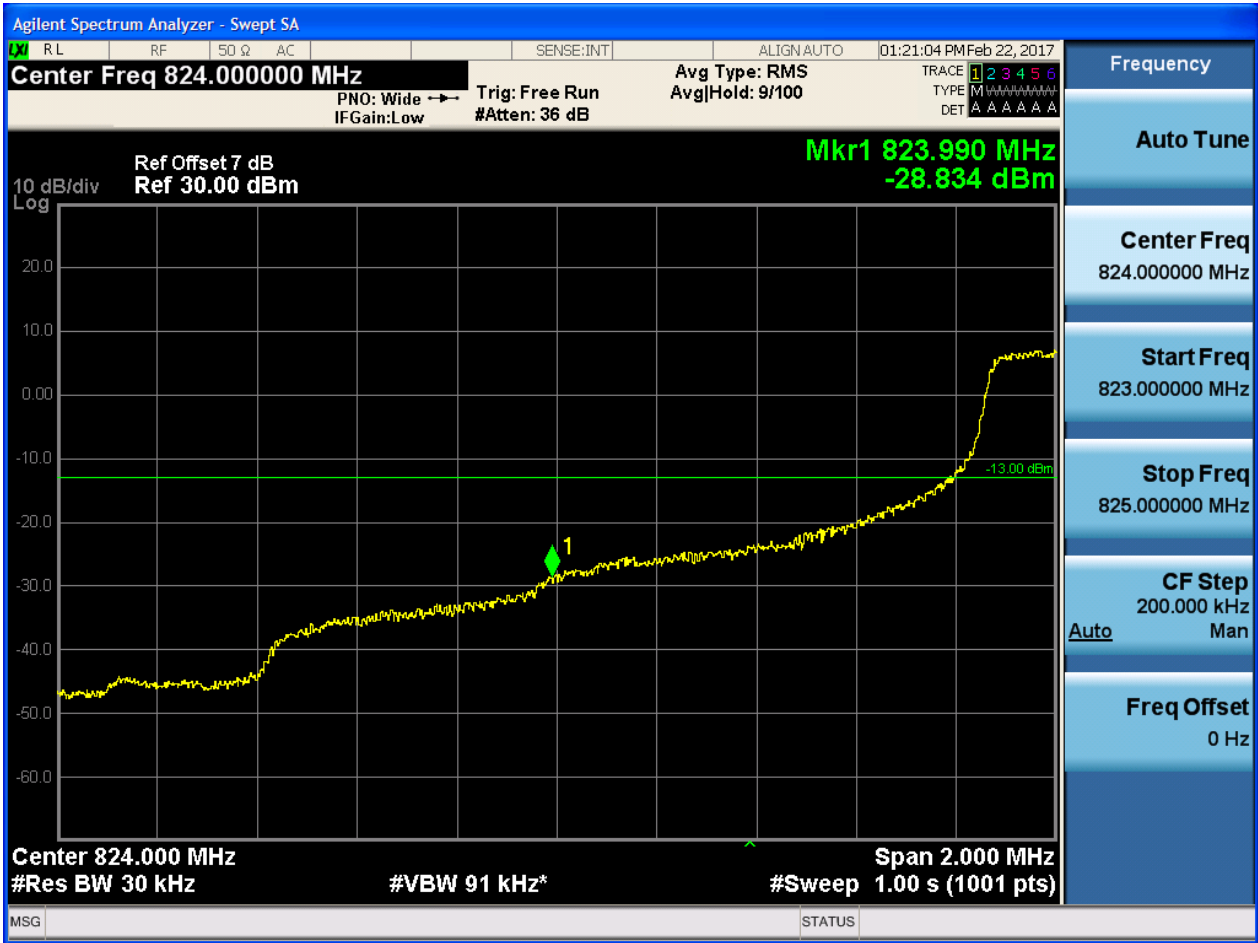


5.1.1.1.2.1.2 Test RB = RB1#14



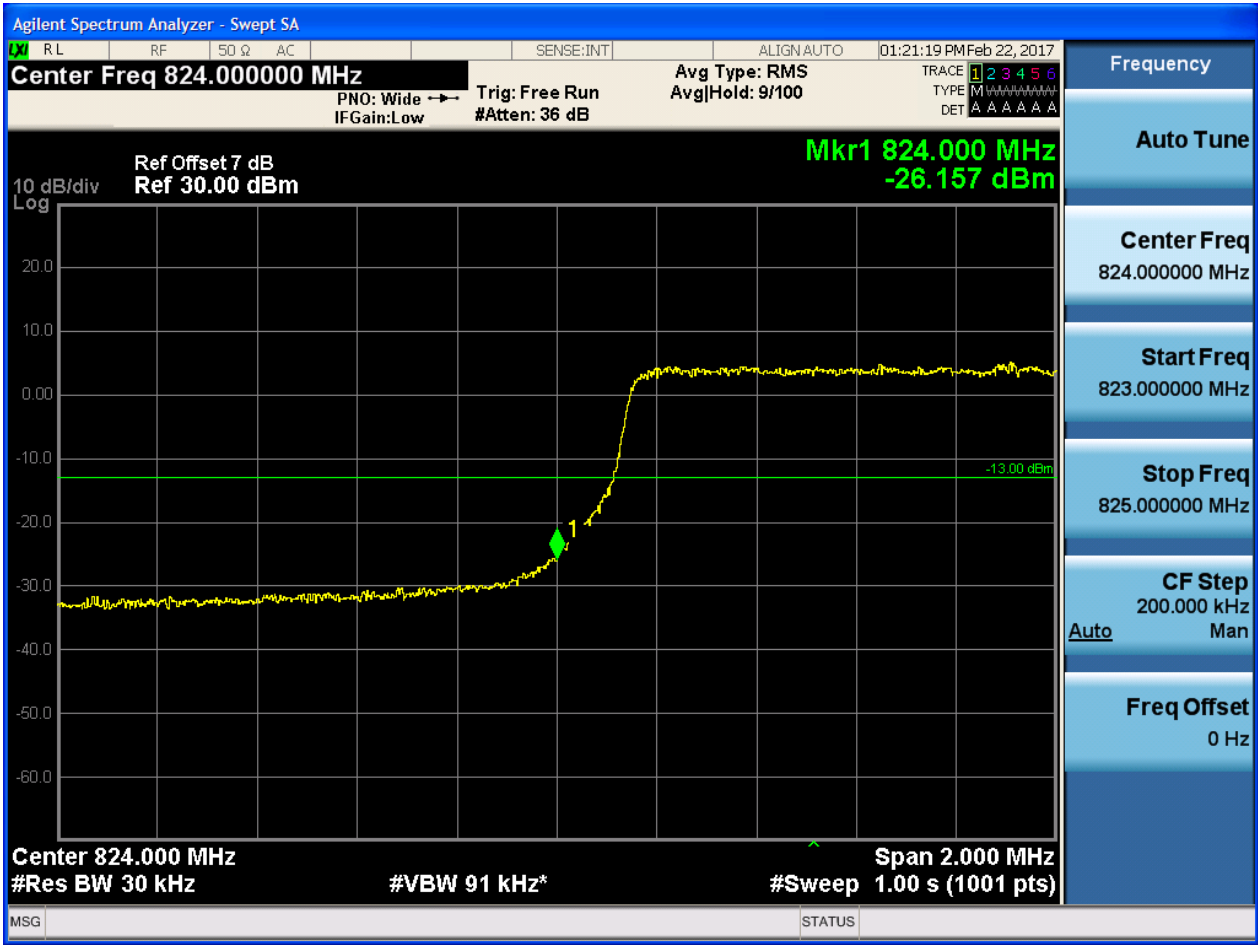


5.1.1.1.2.1.3 Test RB = RB8#4





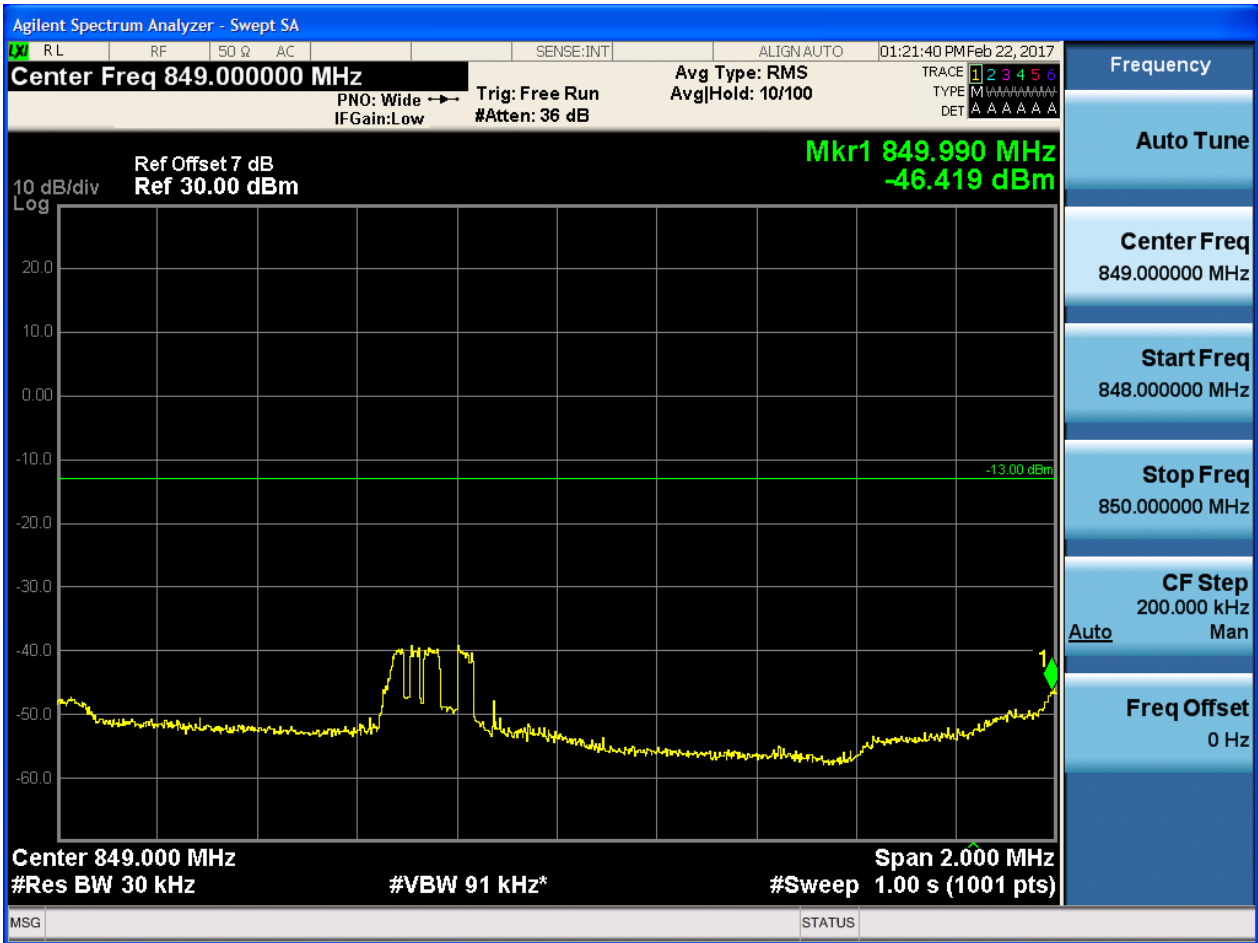
5.1.1.1.2.1.4 Test RB = RB15#0





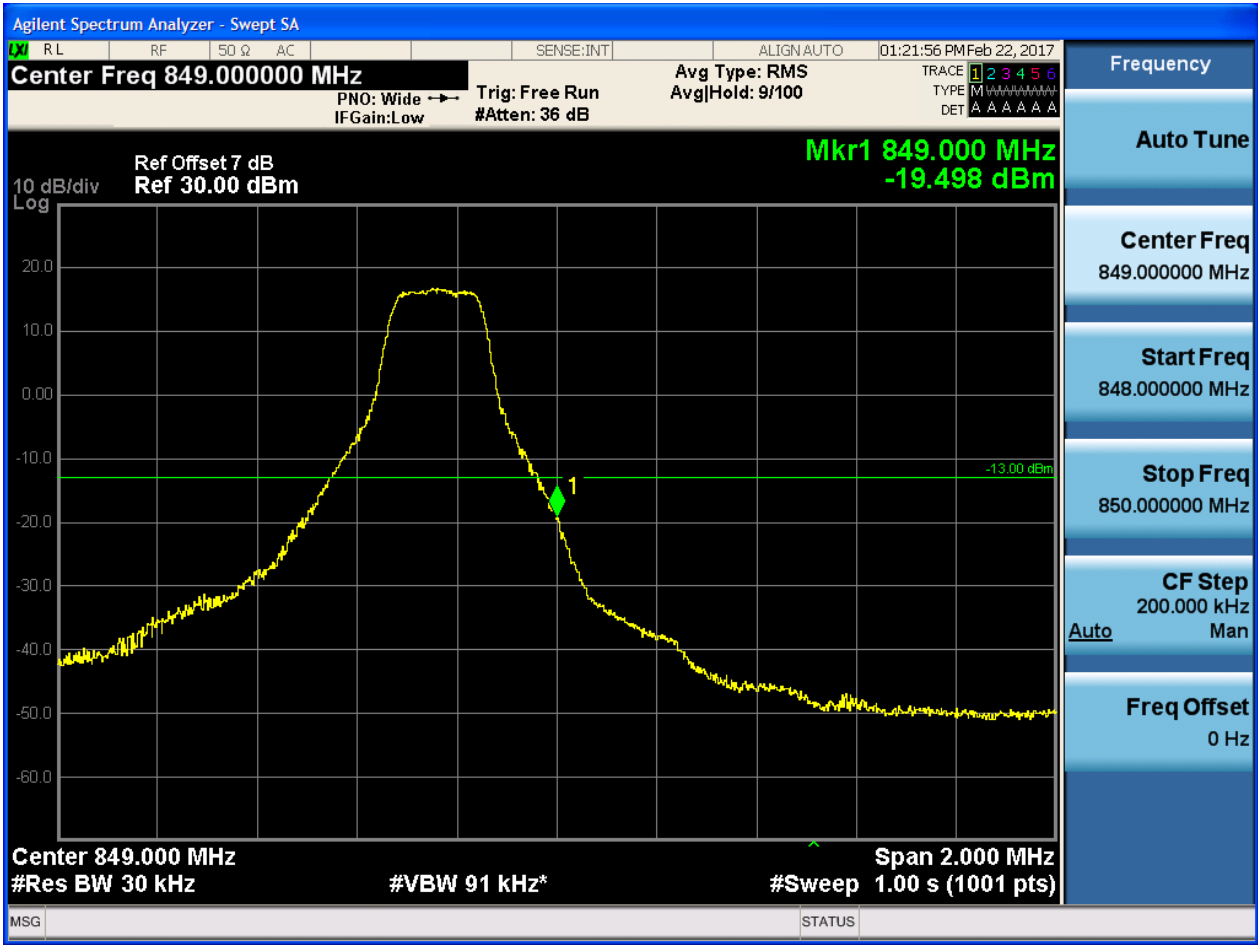
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0

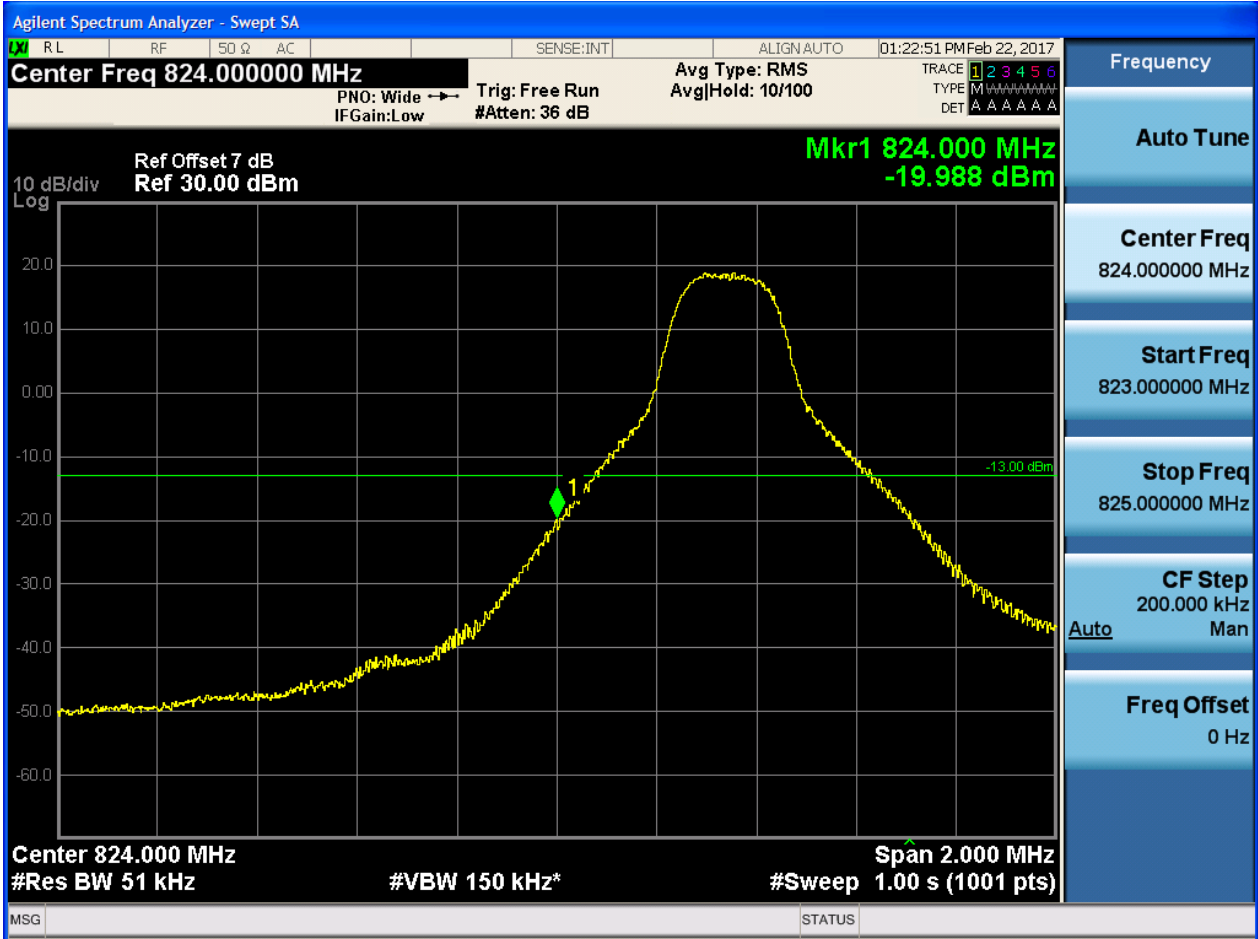




5.1.1.1.3 Test Bandwidth = 5

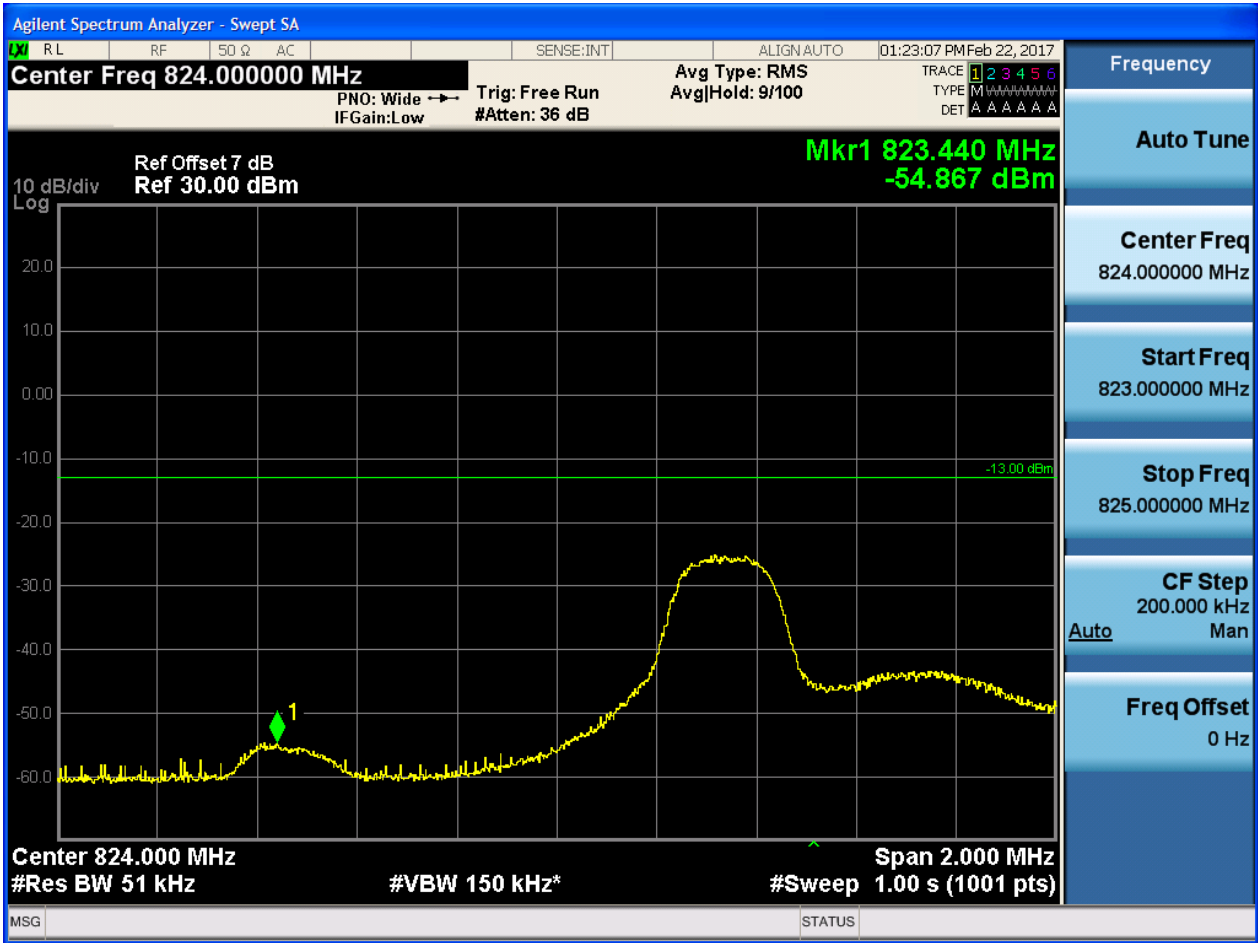
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



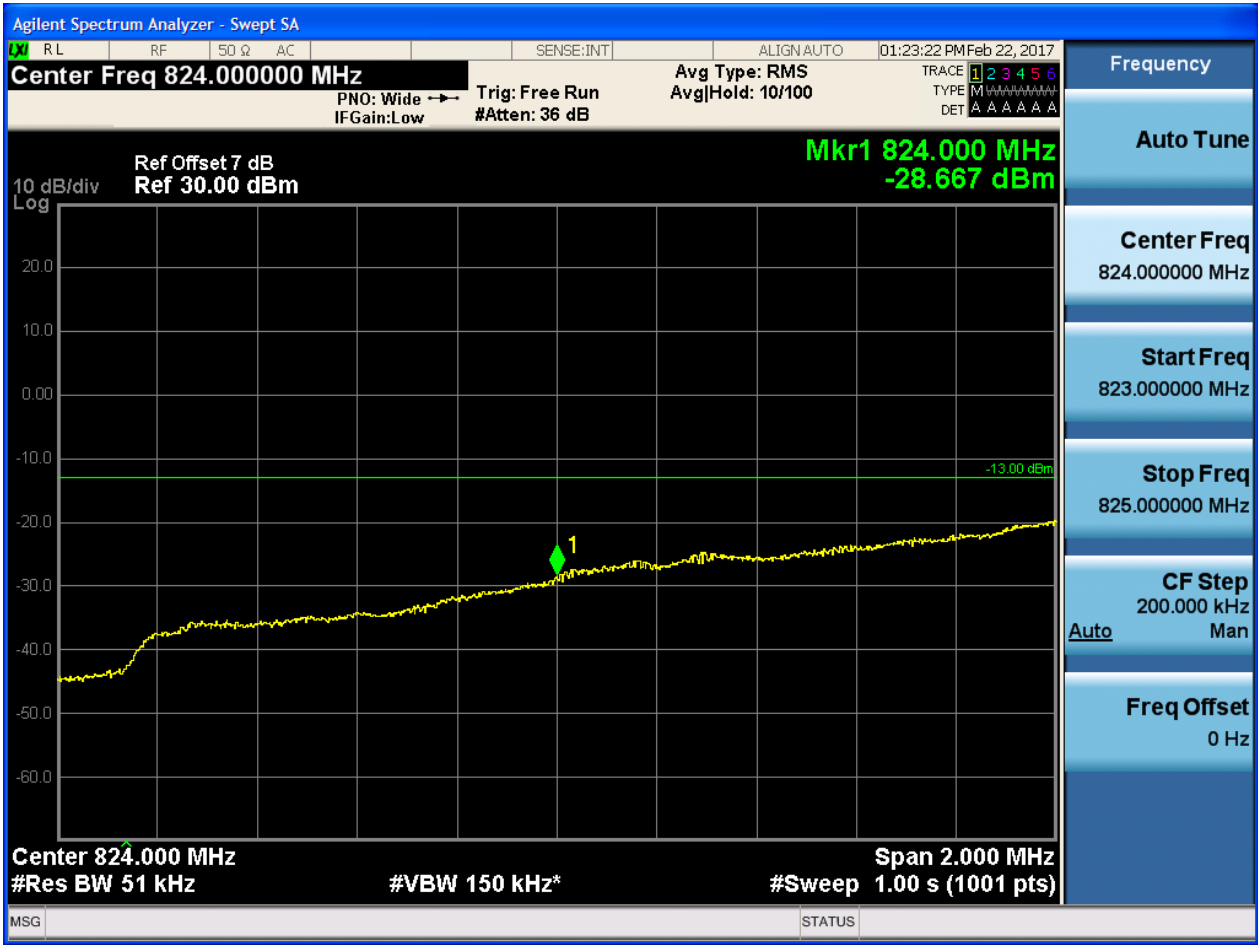


5.1.1.1.3.1.2 Test RB = RB1#24



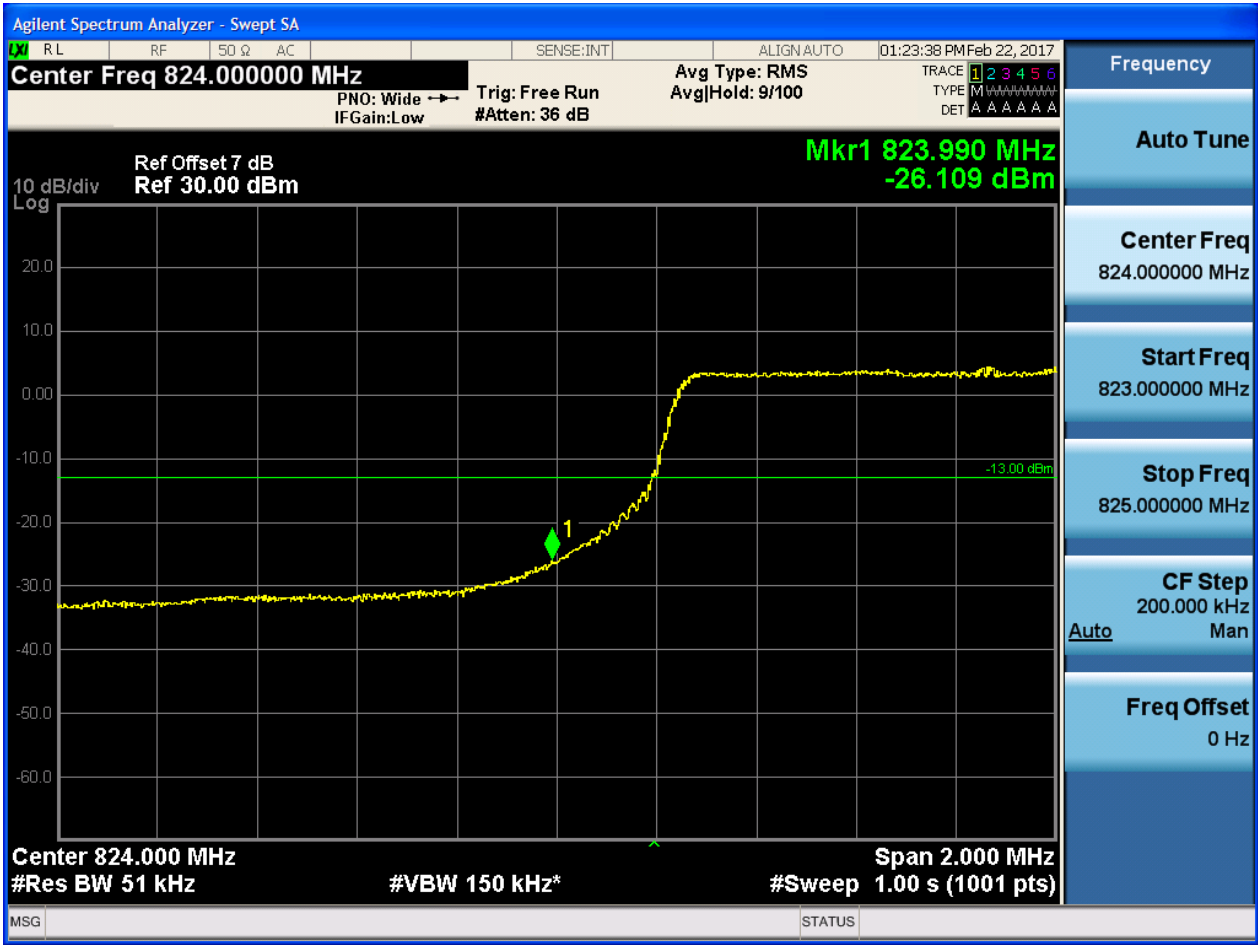


5.1.1.1.3.1.3 Test RB = RB12#6





5.1.1.1.3.1.4 Test RB = RB25#0





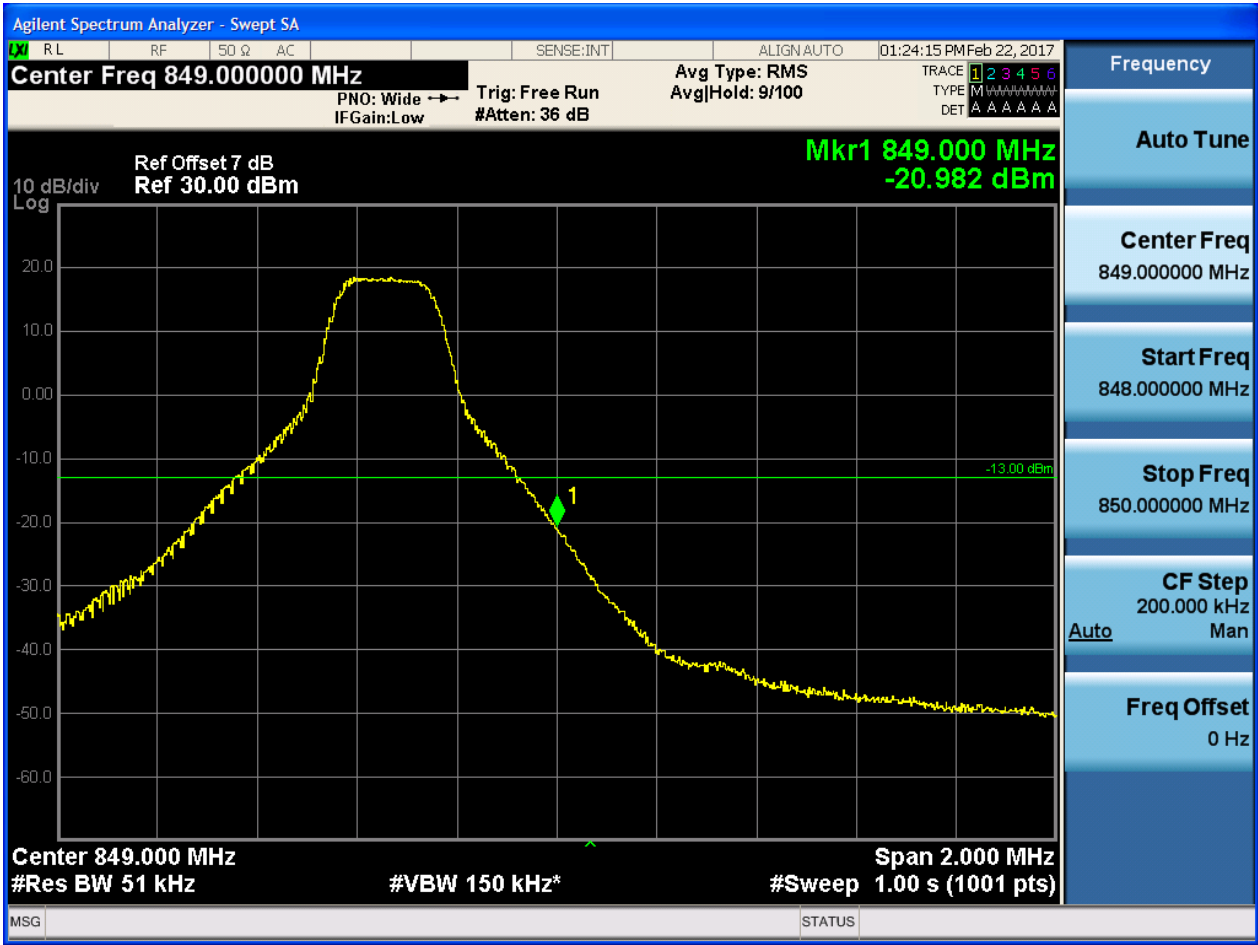
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





5.1.1.1.3.2.3 Test RB = RB12#6





5.1.1.1.3.2.4 Test RB = RB25#0

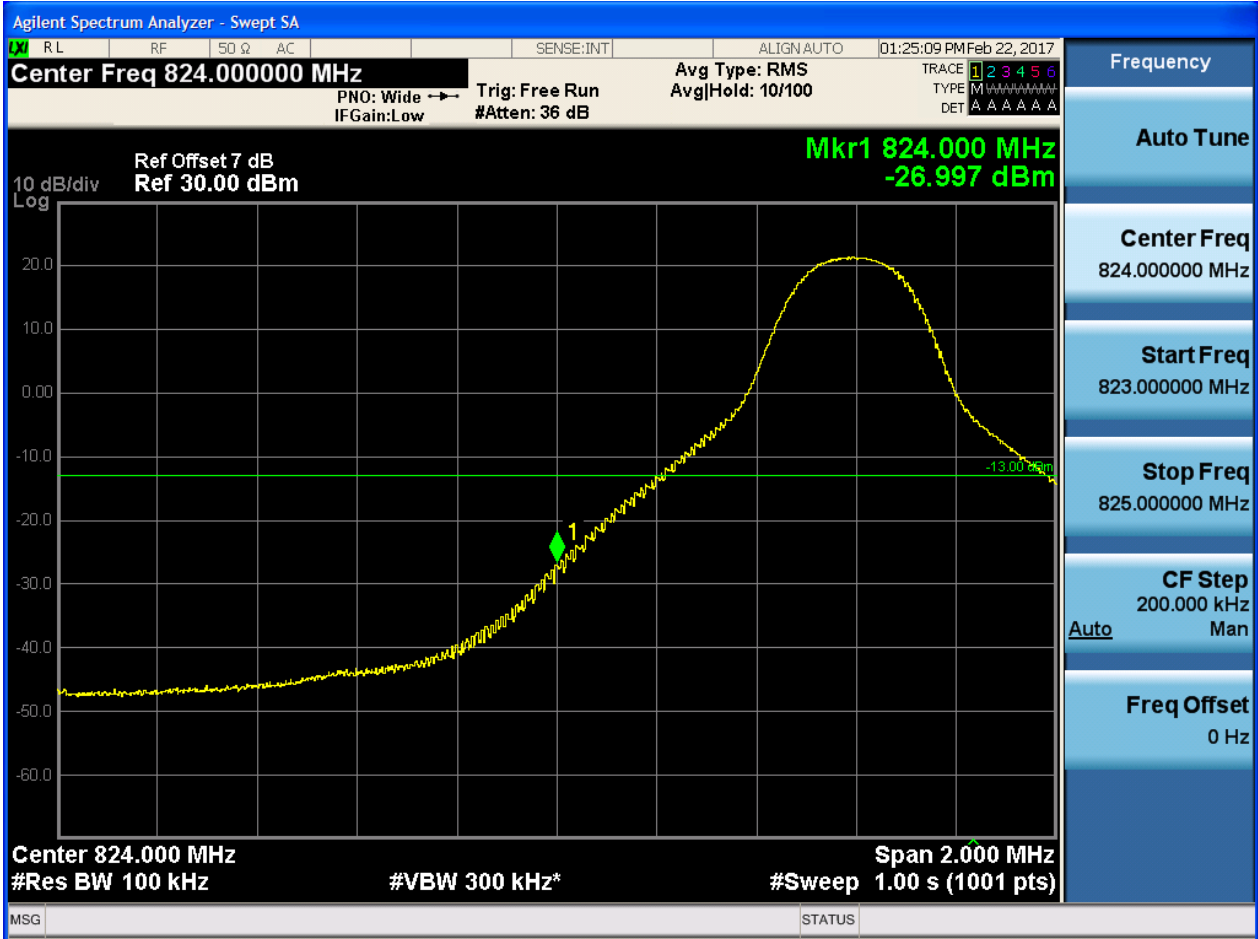




5.1.1.1.4 Test Bandwidth = 10

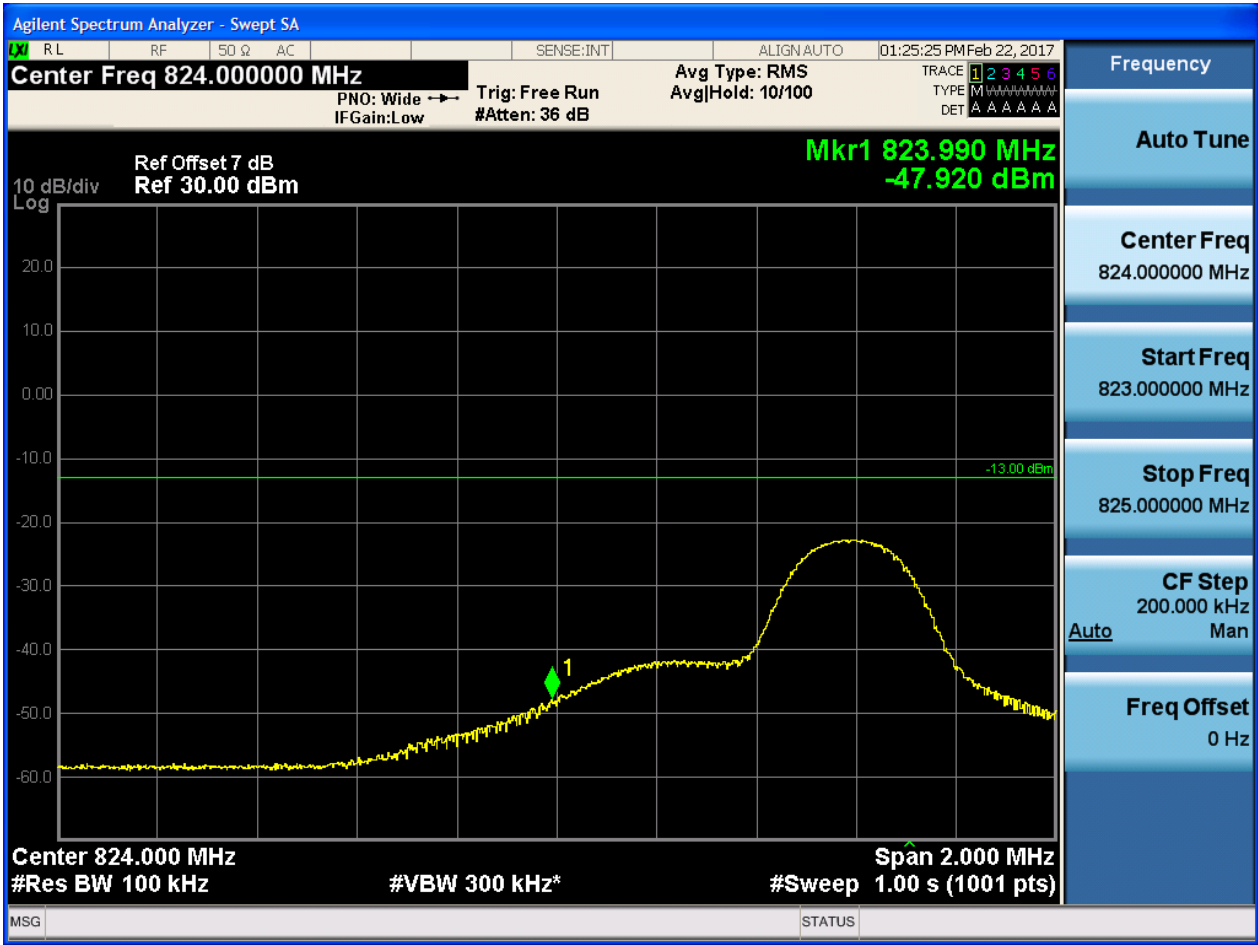
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



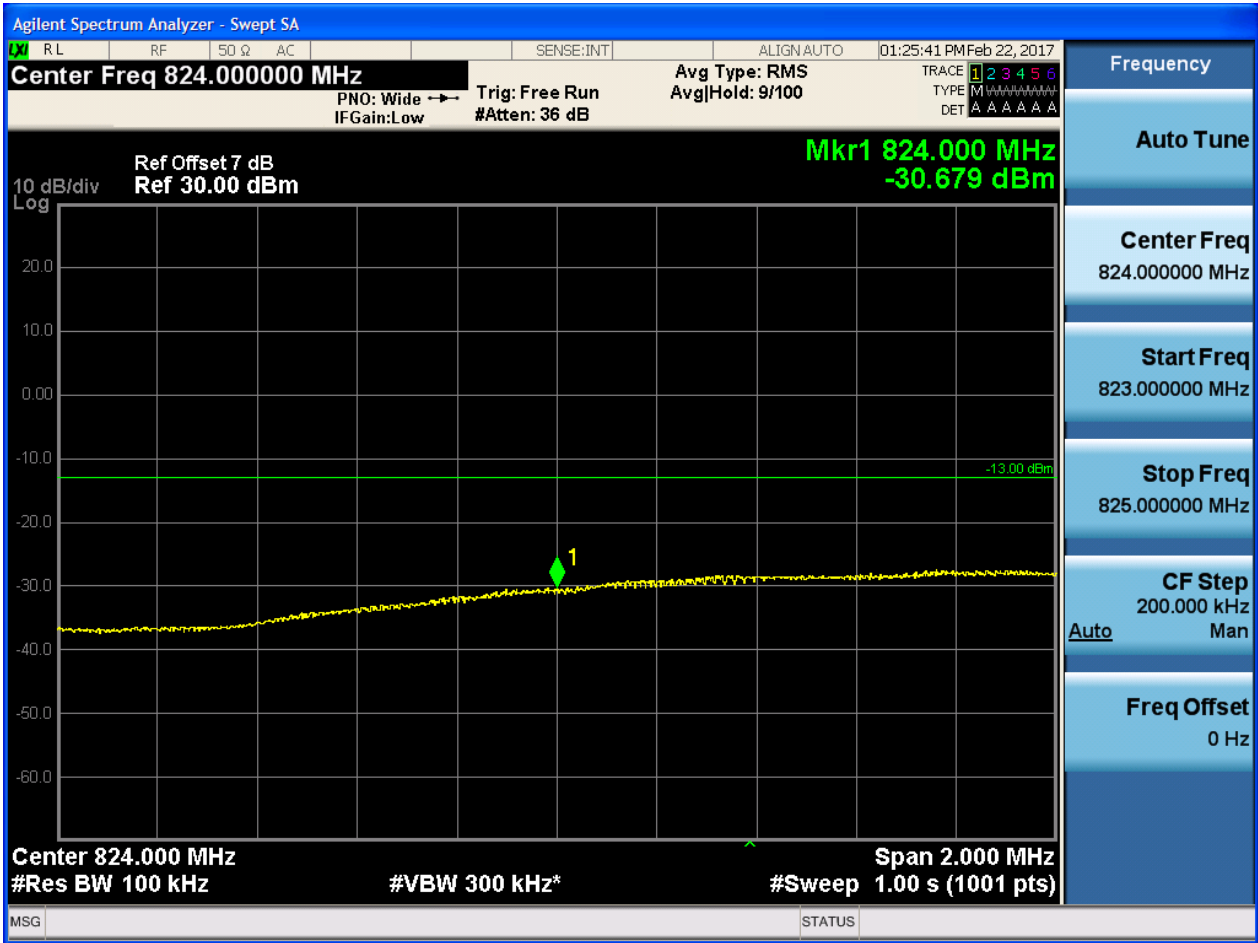


5.1.1.1.4.1.2 Test RB = RB1#49



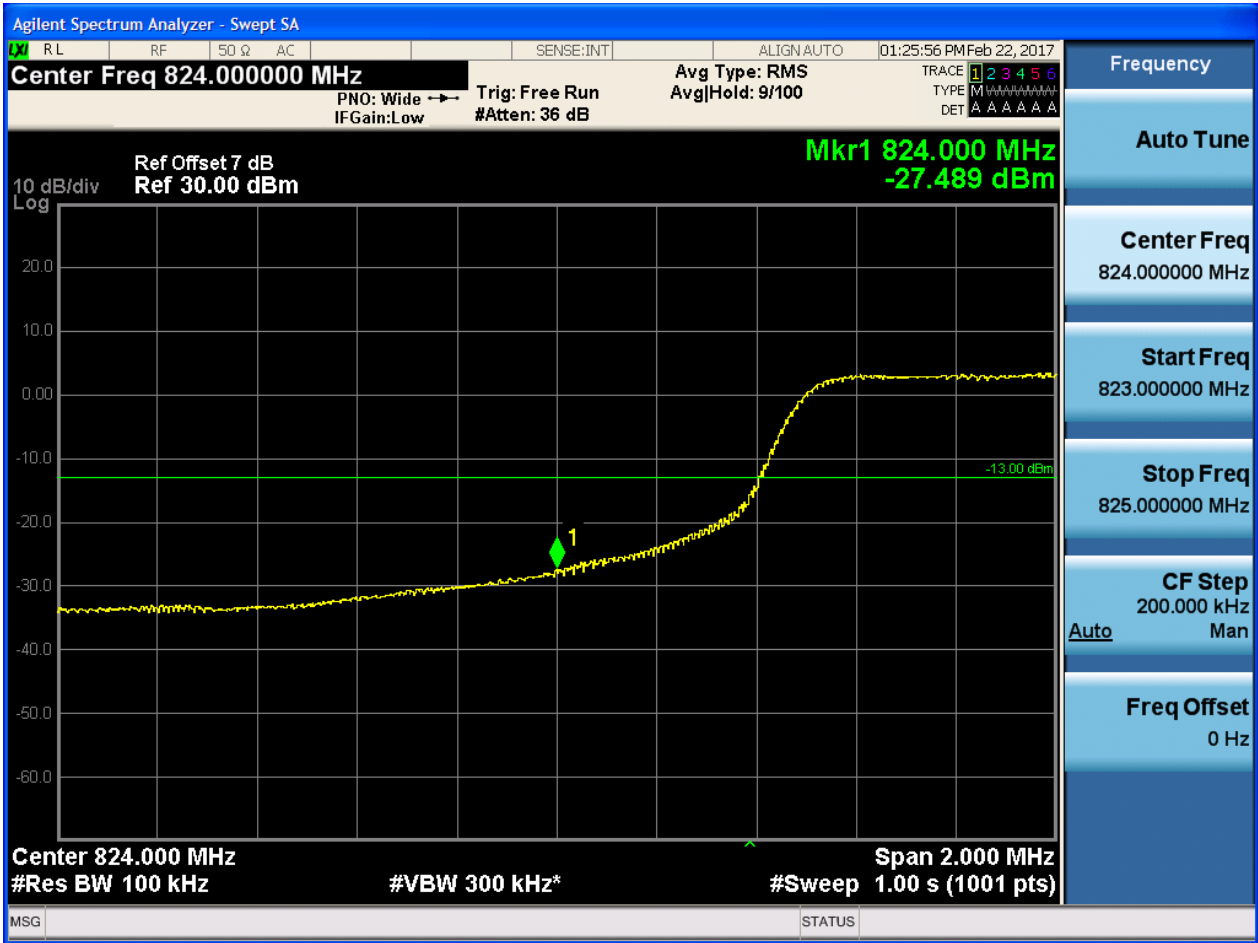


5.1.1.1.4.1.3 Test RB = RB25#13





5.1.1.1.4.1.4 Test RB = RB50#0





5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0



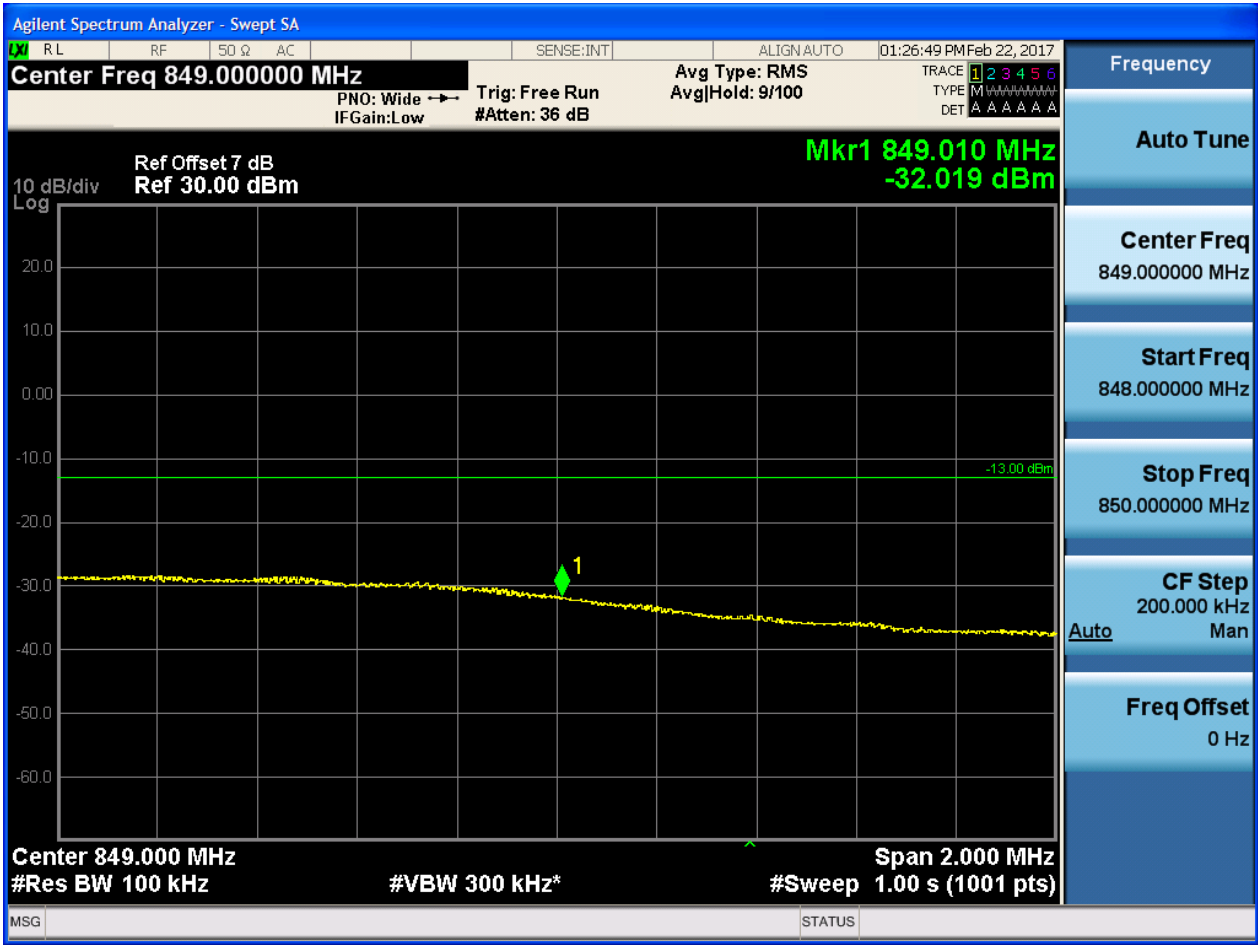


5.1.1.1.4.2.2 Test RB = RB1#49



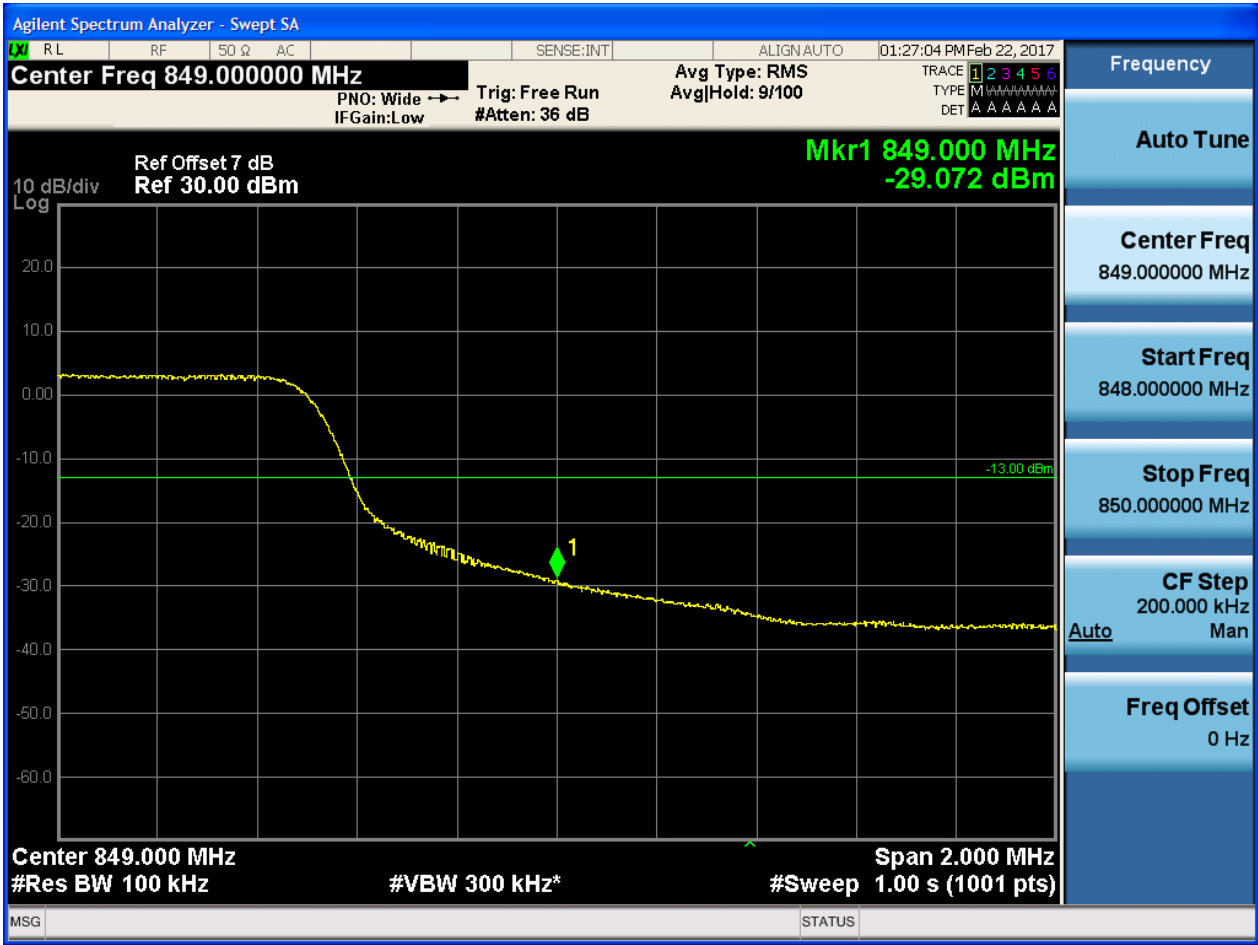


5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0



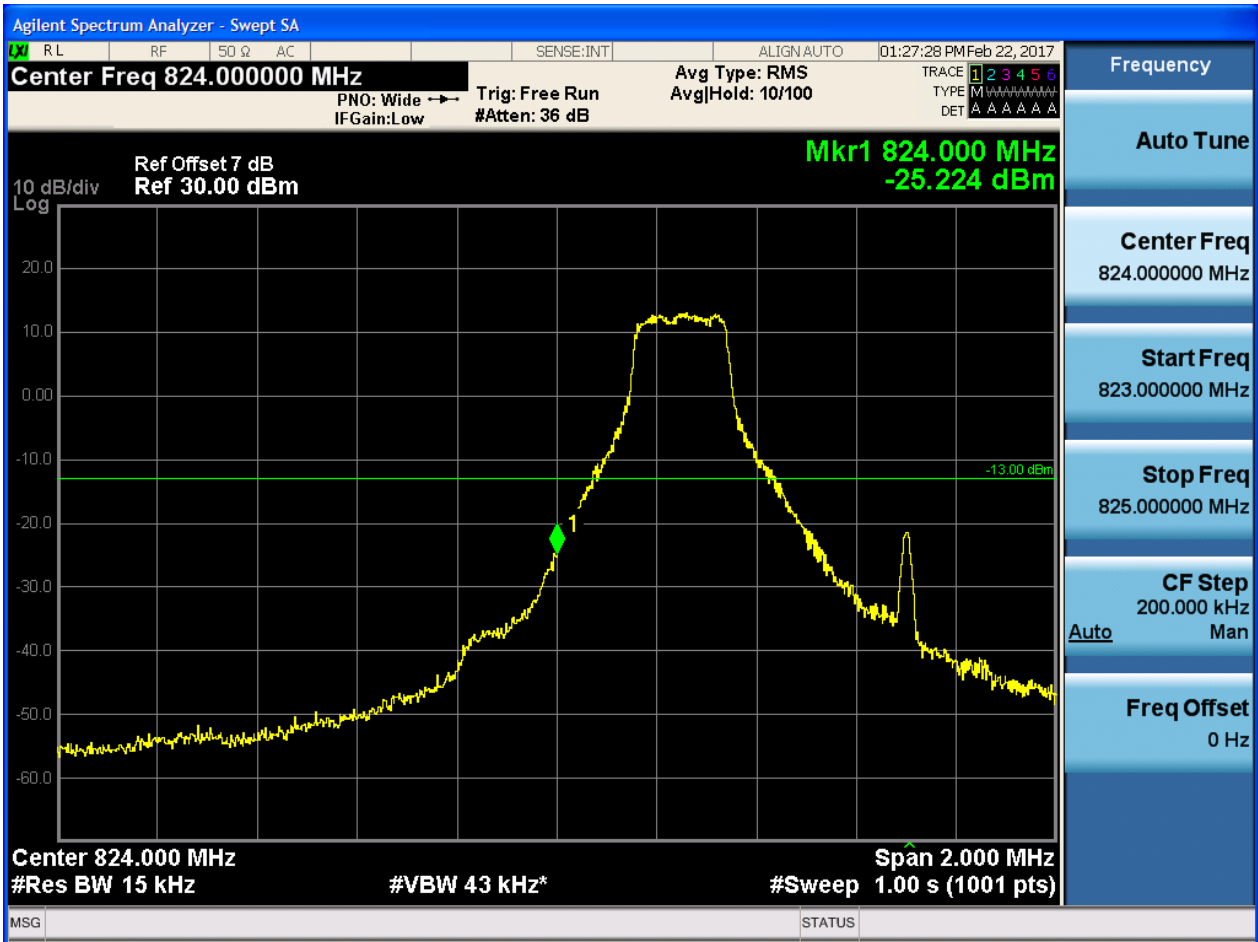


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



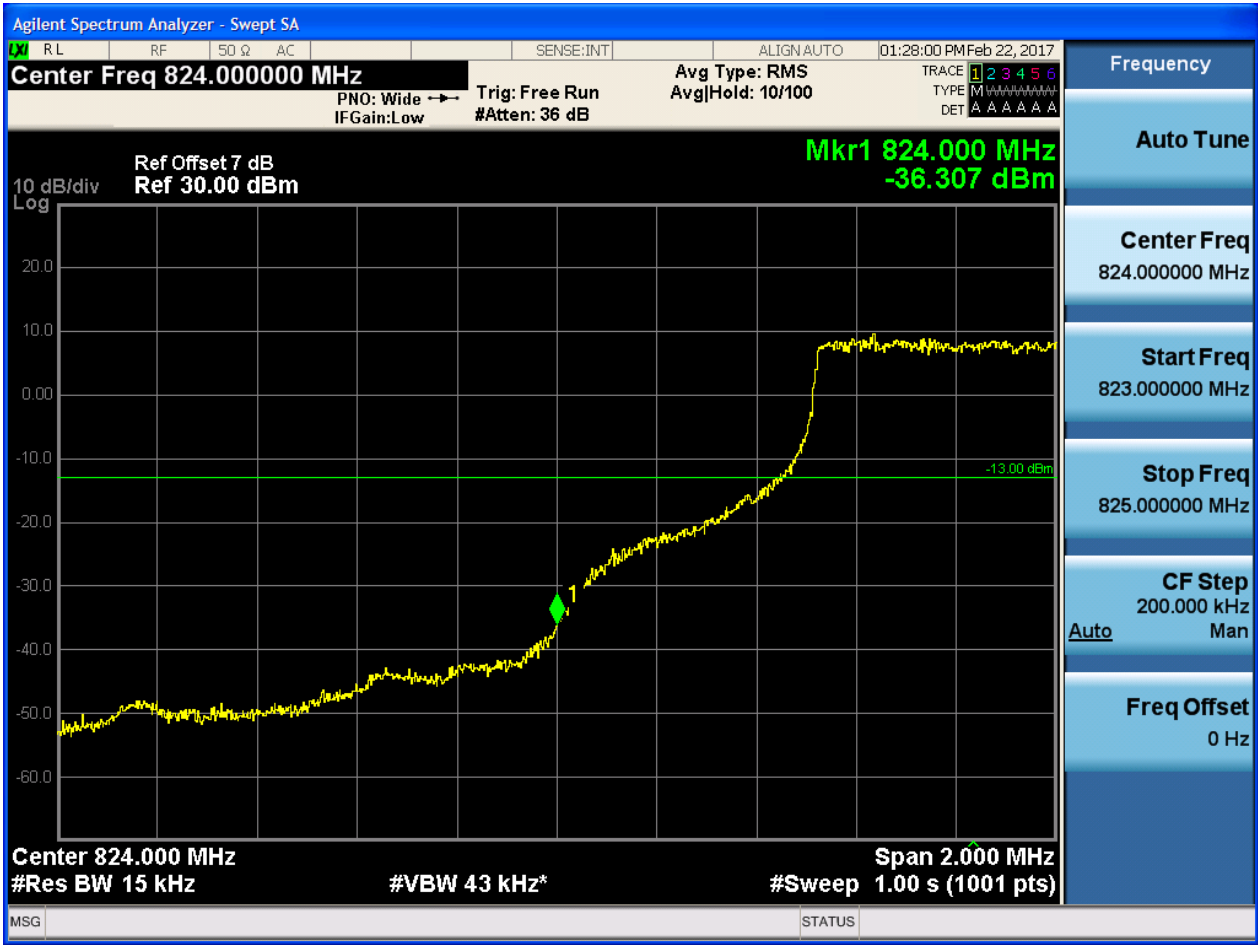


5.1.1.2.1.1.2 Test RB = RB1#5



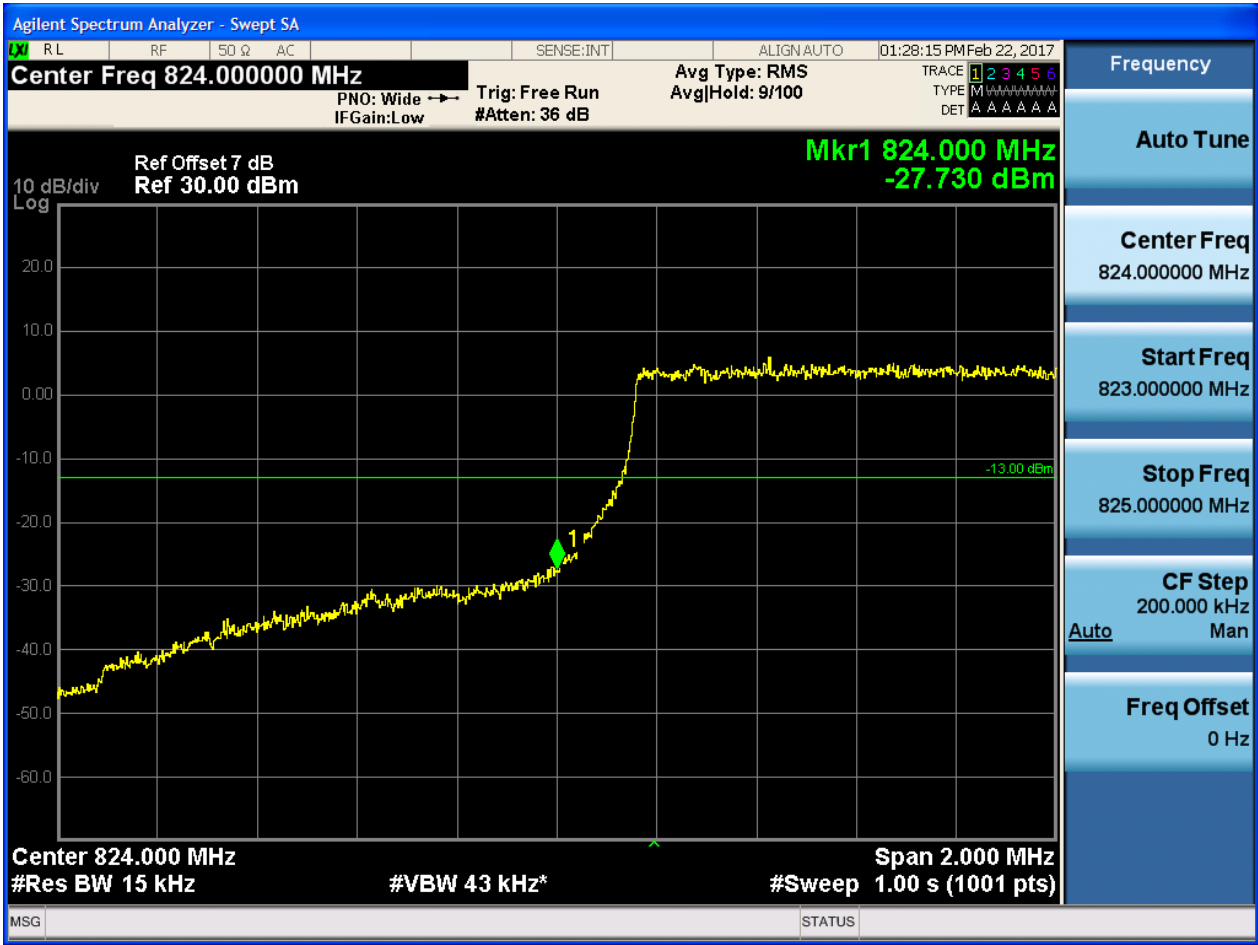


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0





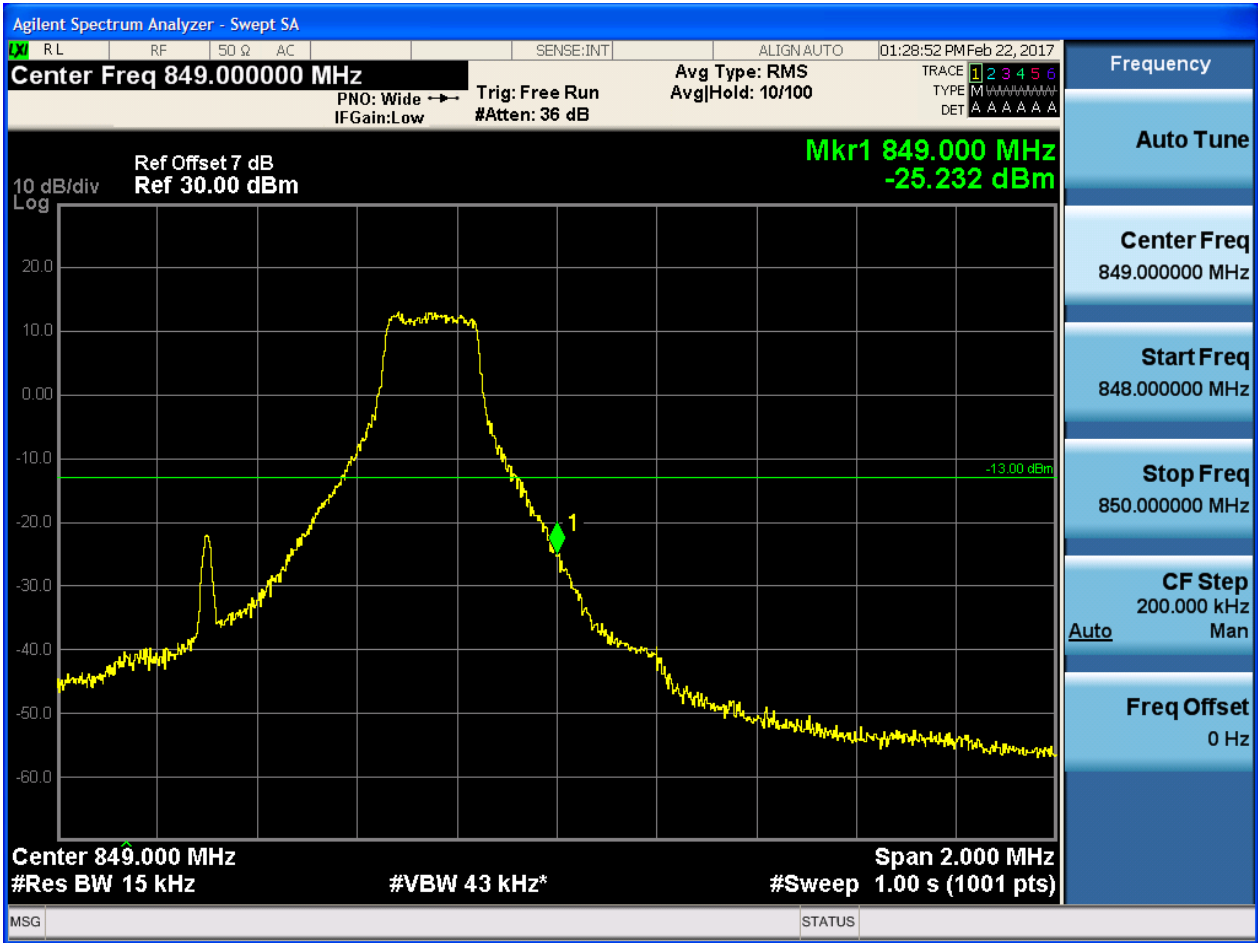
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



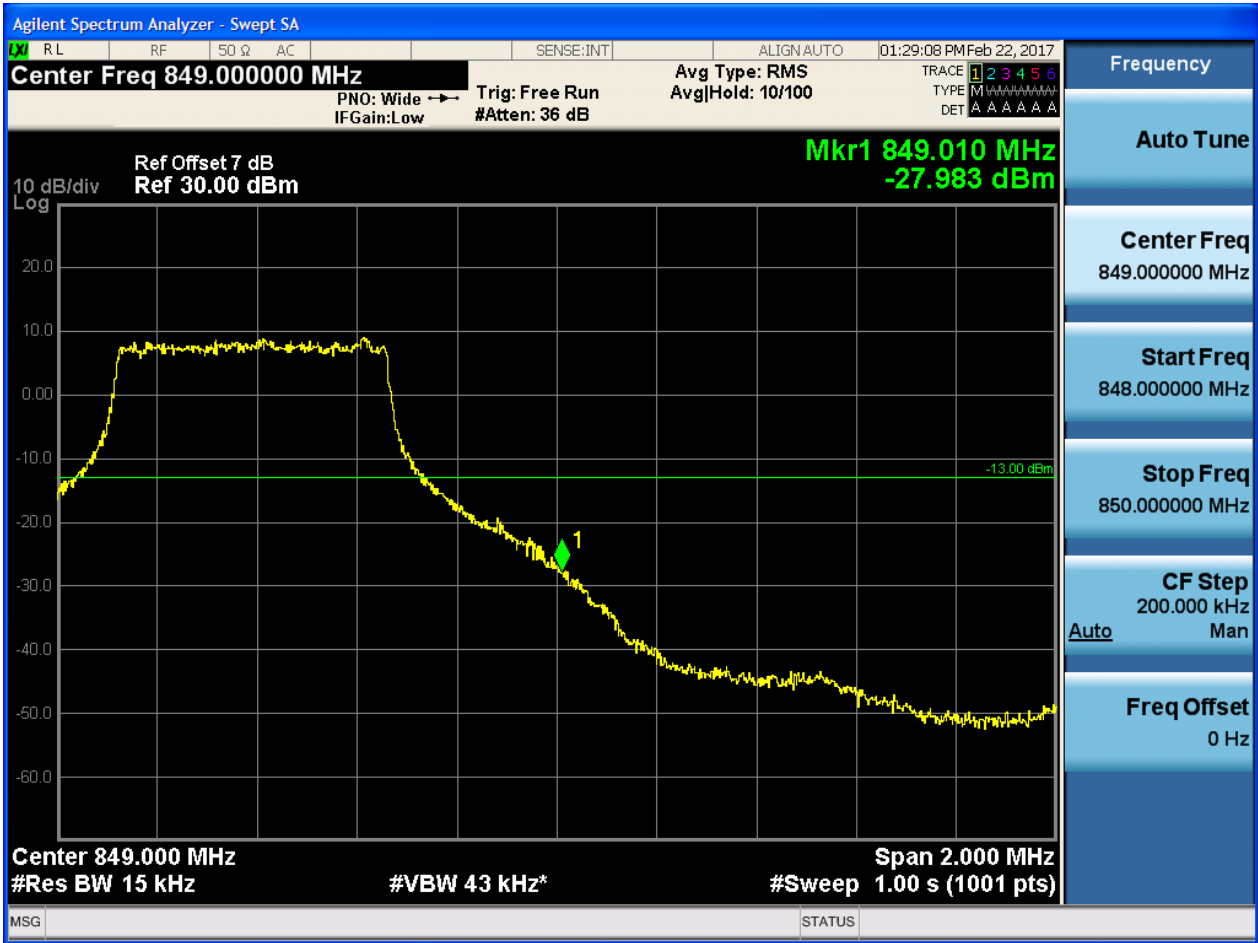


5.1.1.2.1.2.2 Test RB = RB1#5



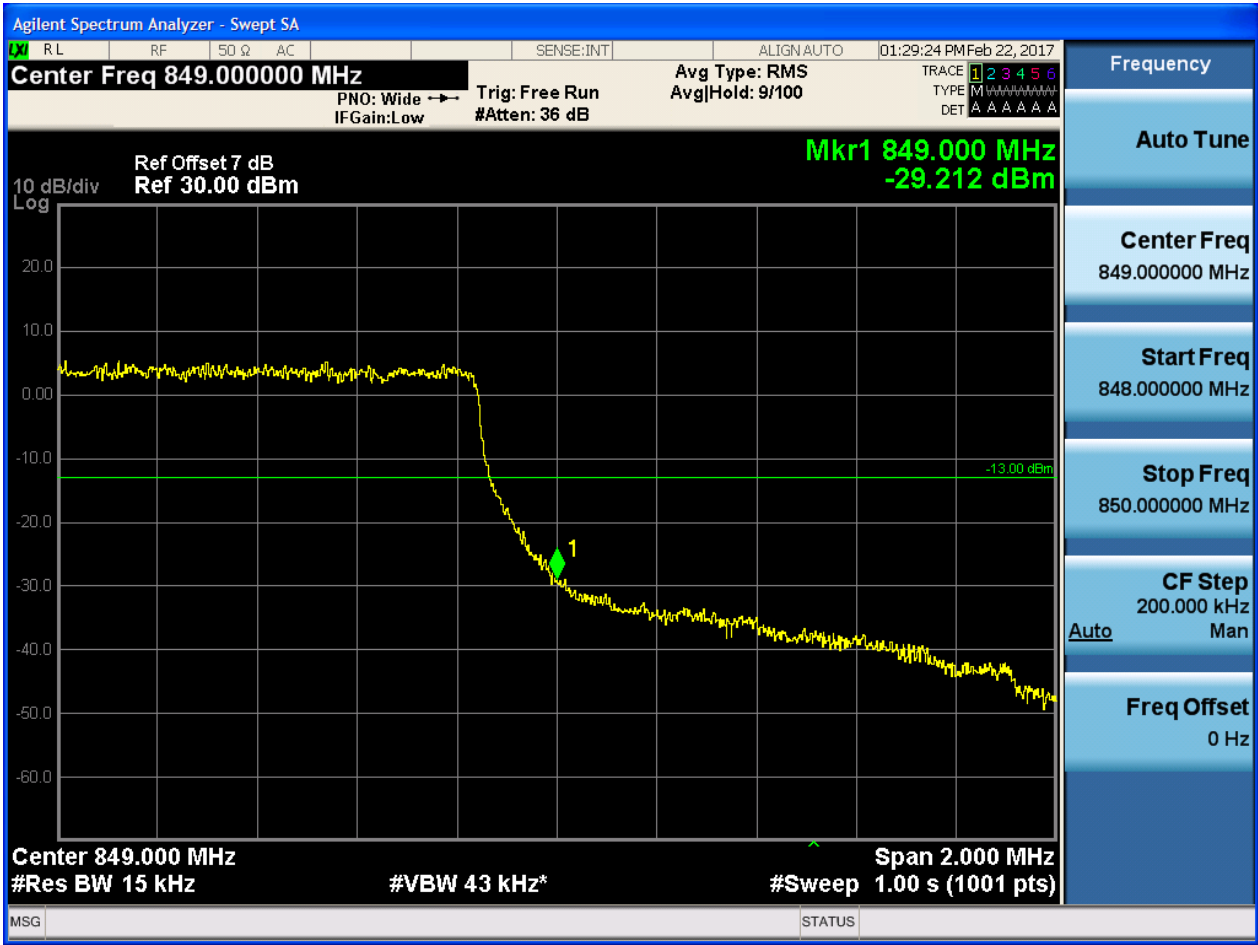


5.1.1.2.1.2.3 Test RB = RB3#2





5.1.1.2.1.2.4 Test RB = RB6#0

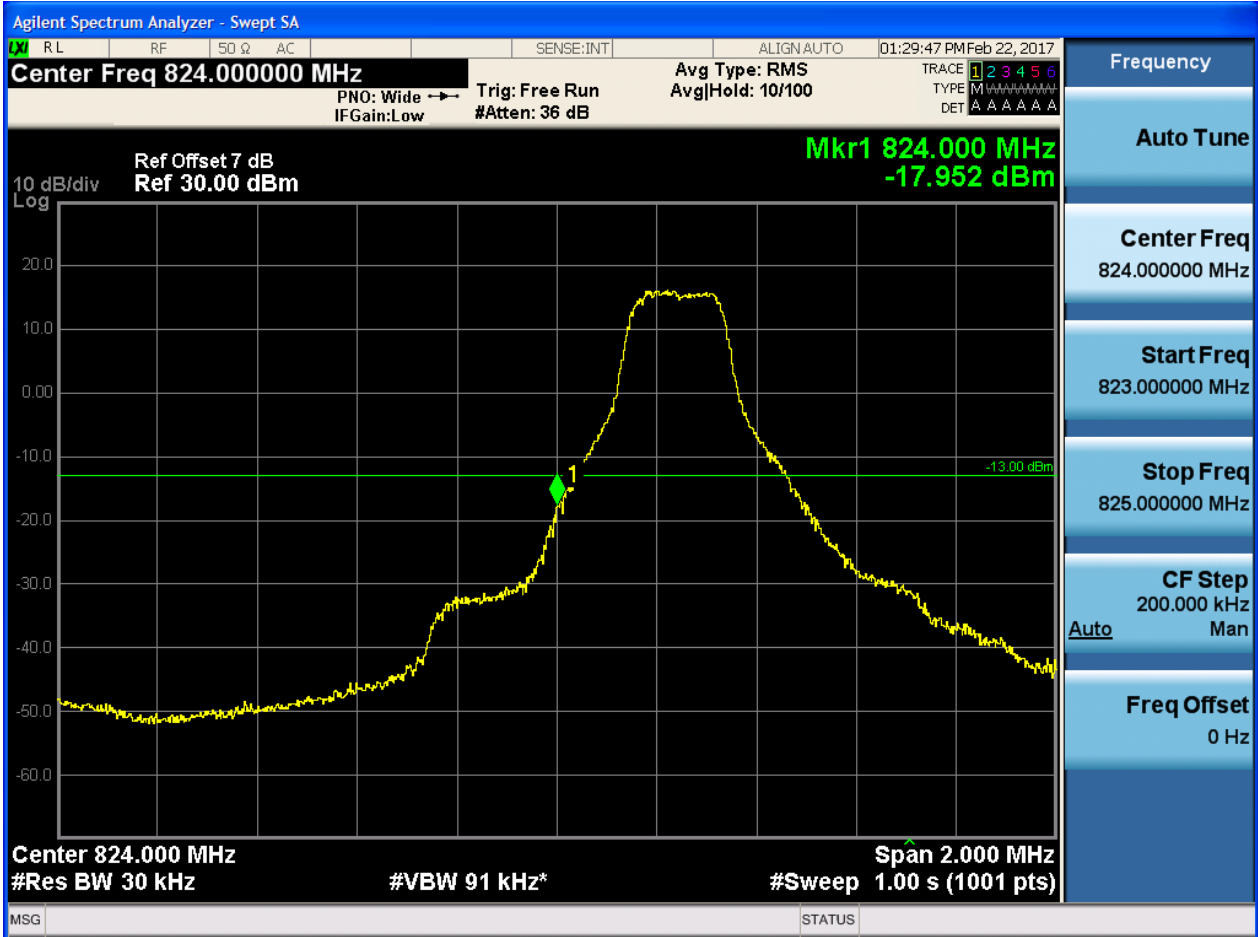




5.1.1.2.2 Test Bandwidth = 3

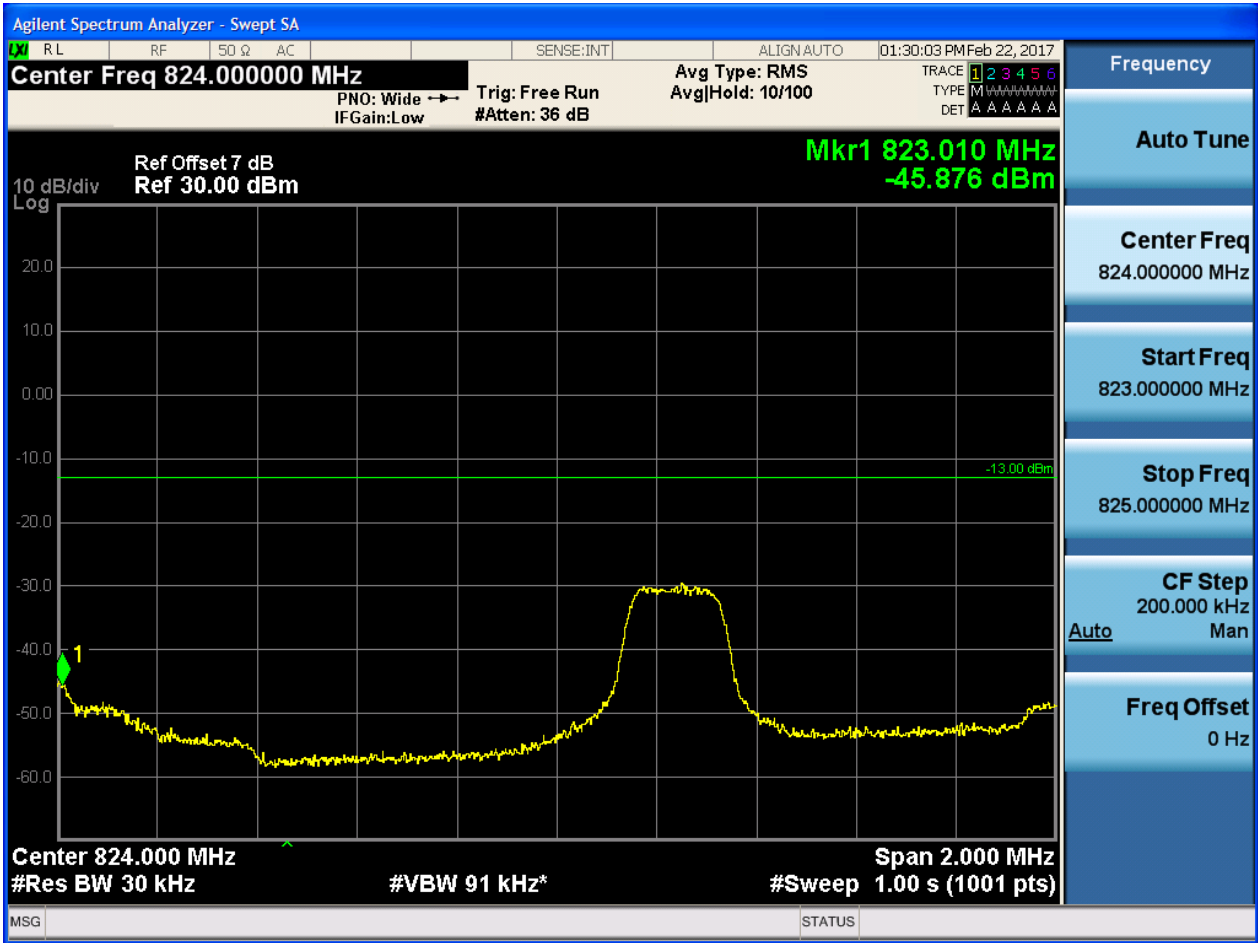
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14



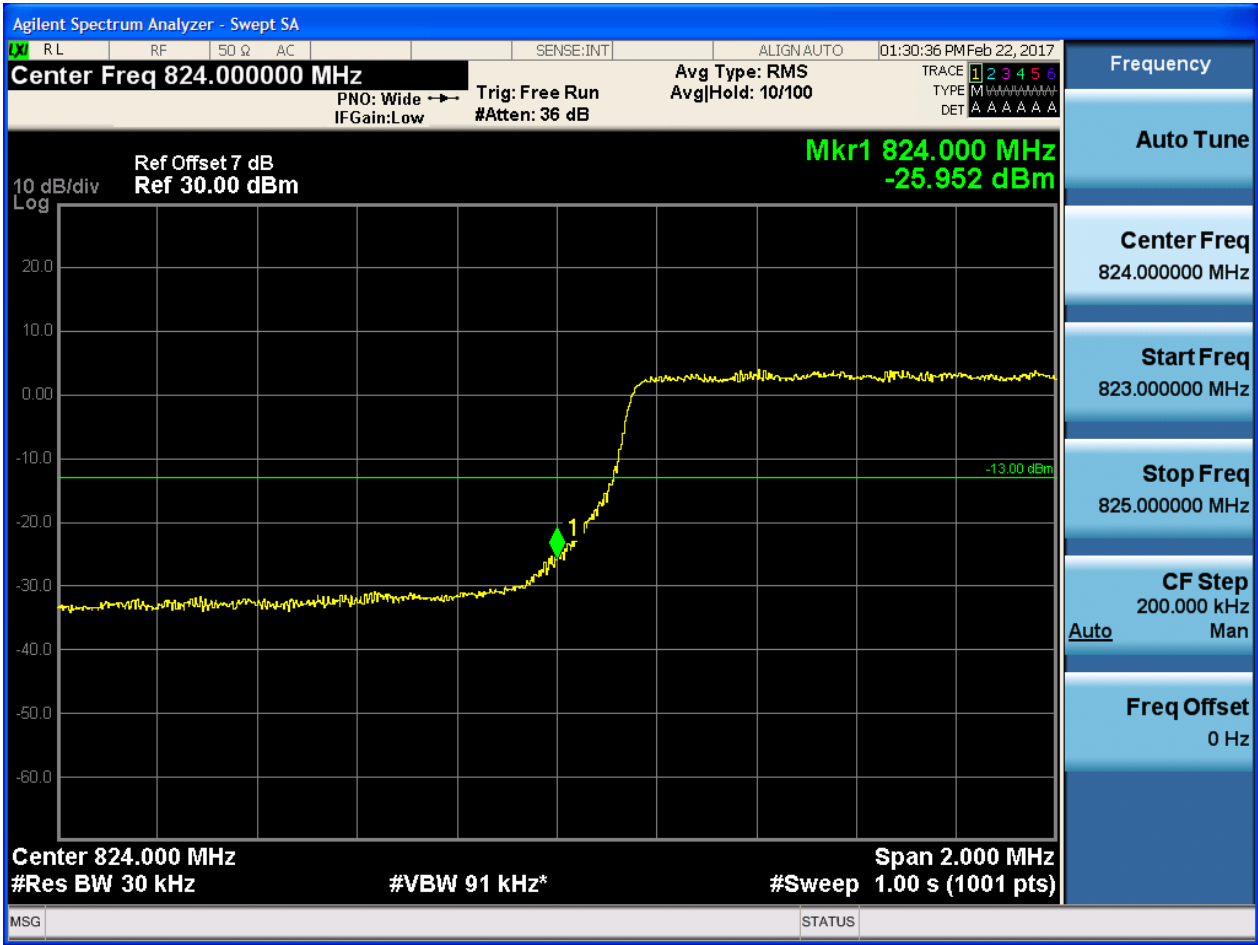


5.1.1.2.2.1.3 Test RB = RB8#4





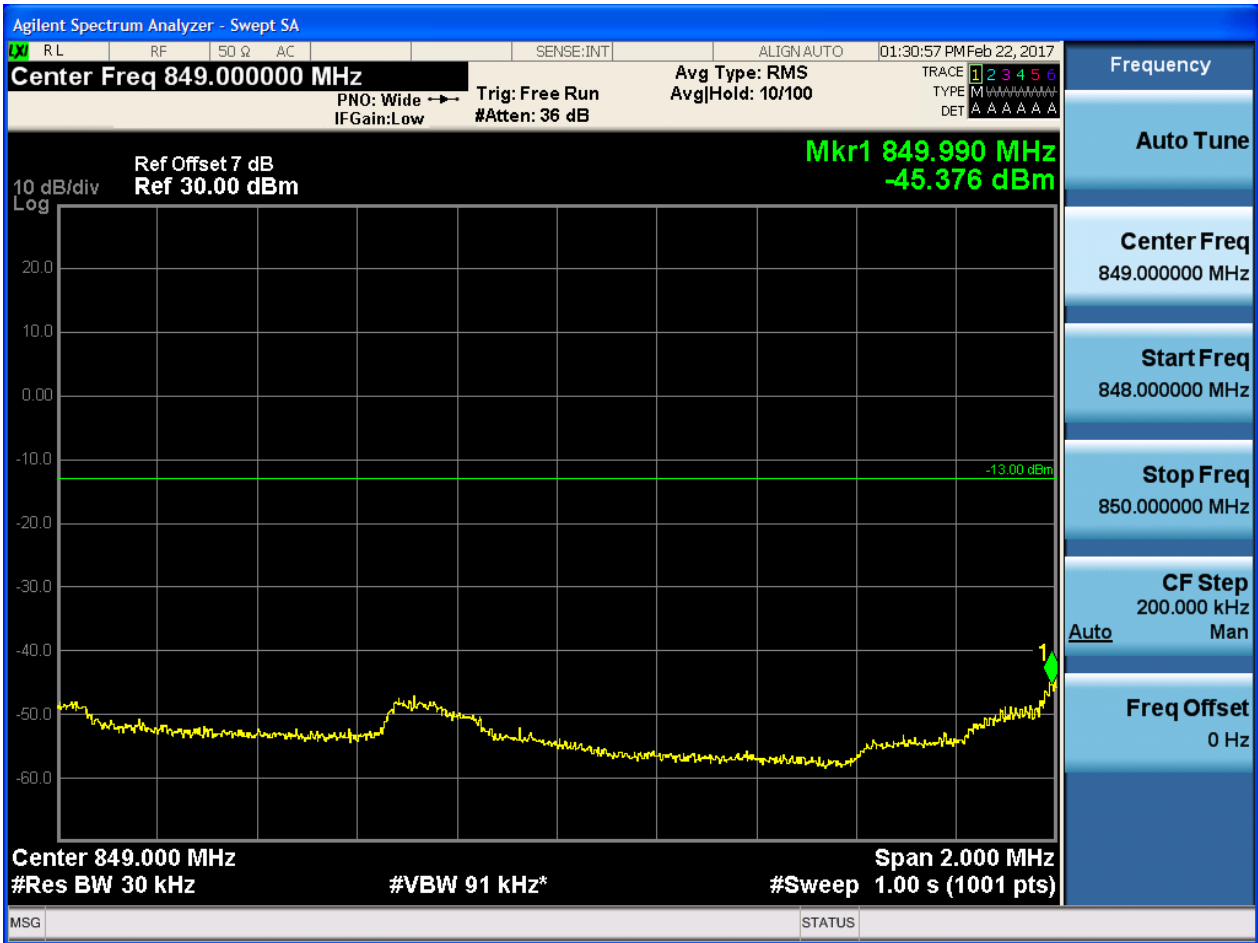
5.1.1.2.2.1.4 Test RB = RB15#0





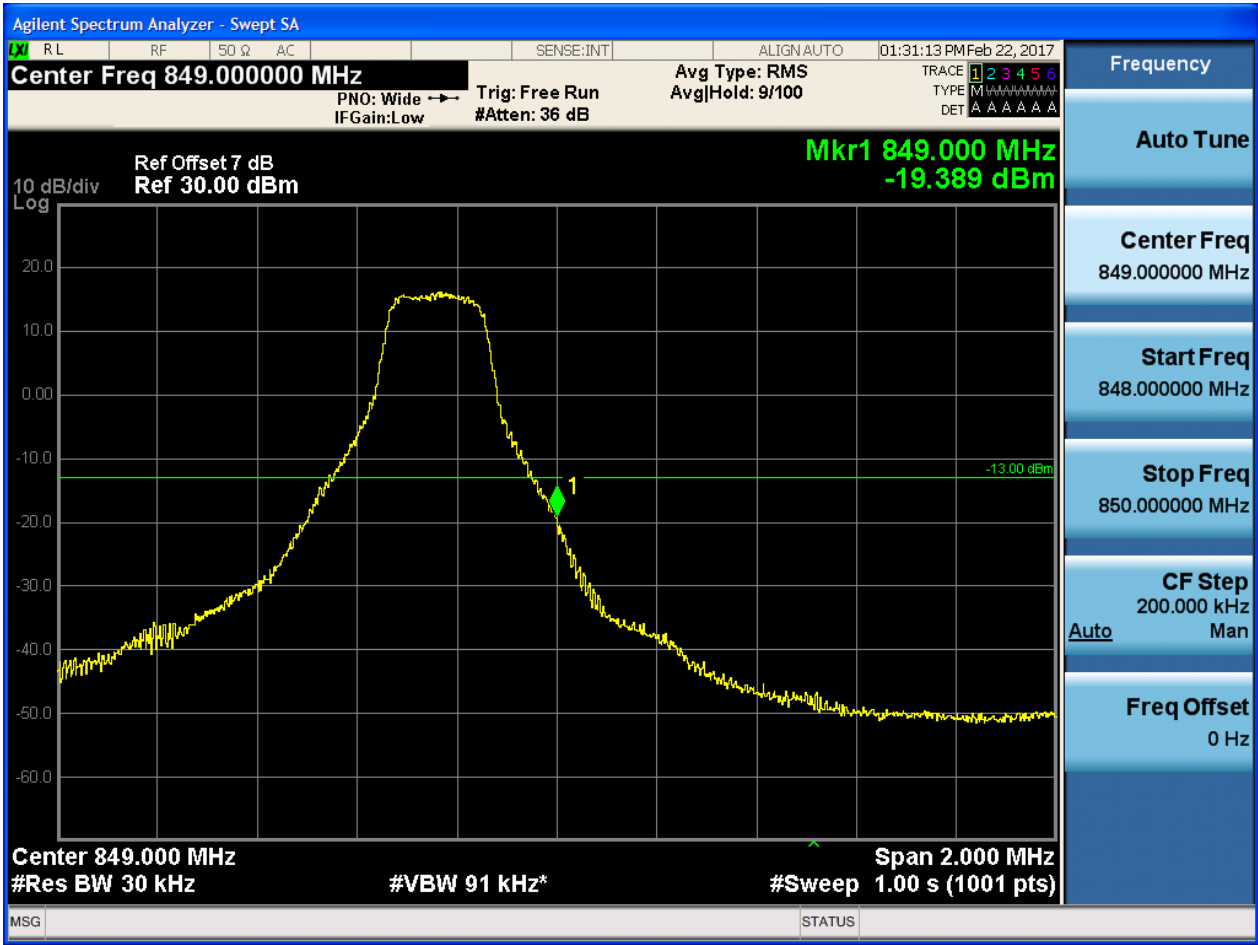
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





5.1.1.2.2.3 Test RB = RB8#4





5.1.1.2.2.4 Test RB = RB15#0

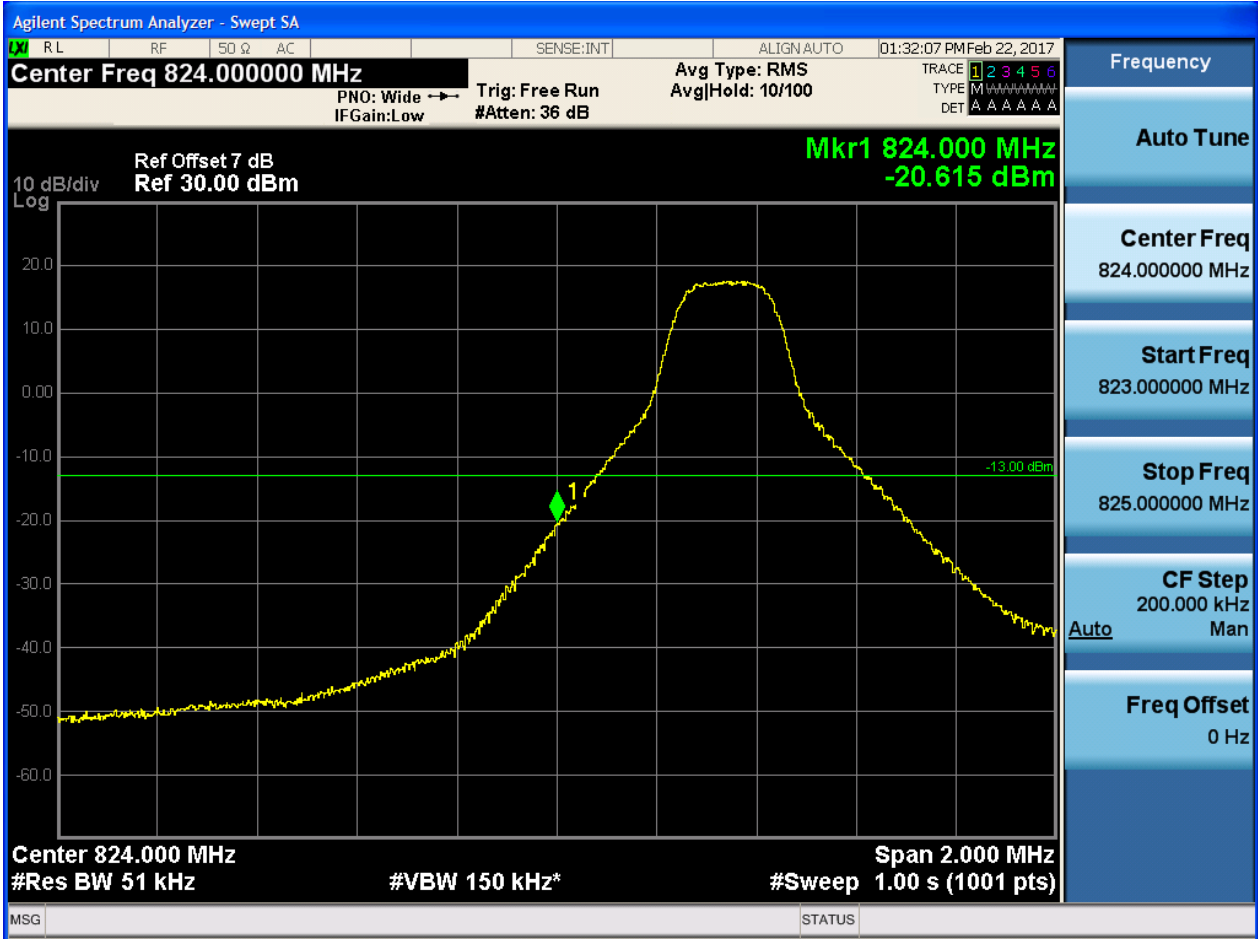




5.1.1.2.3 Test Bandwidth = 5

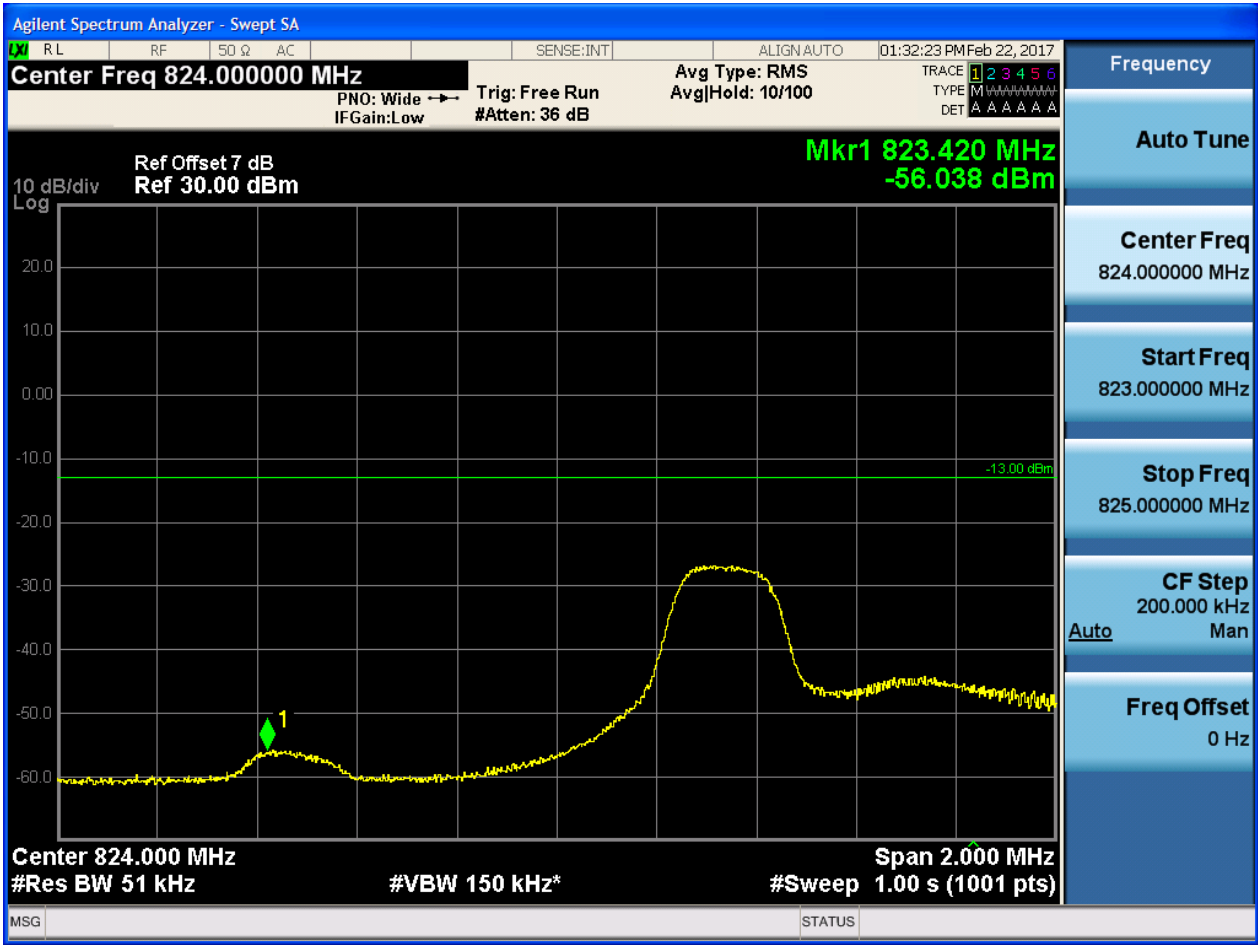
5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0



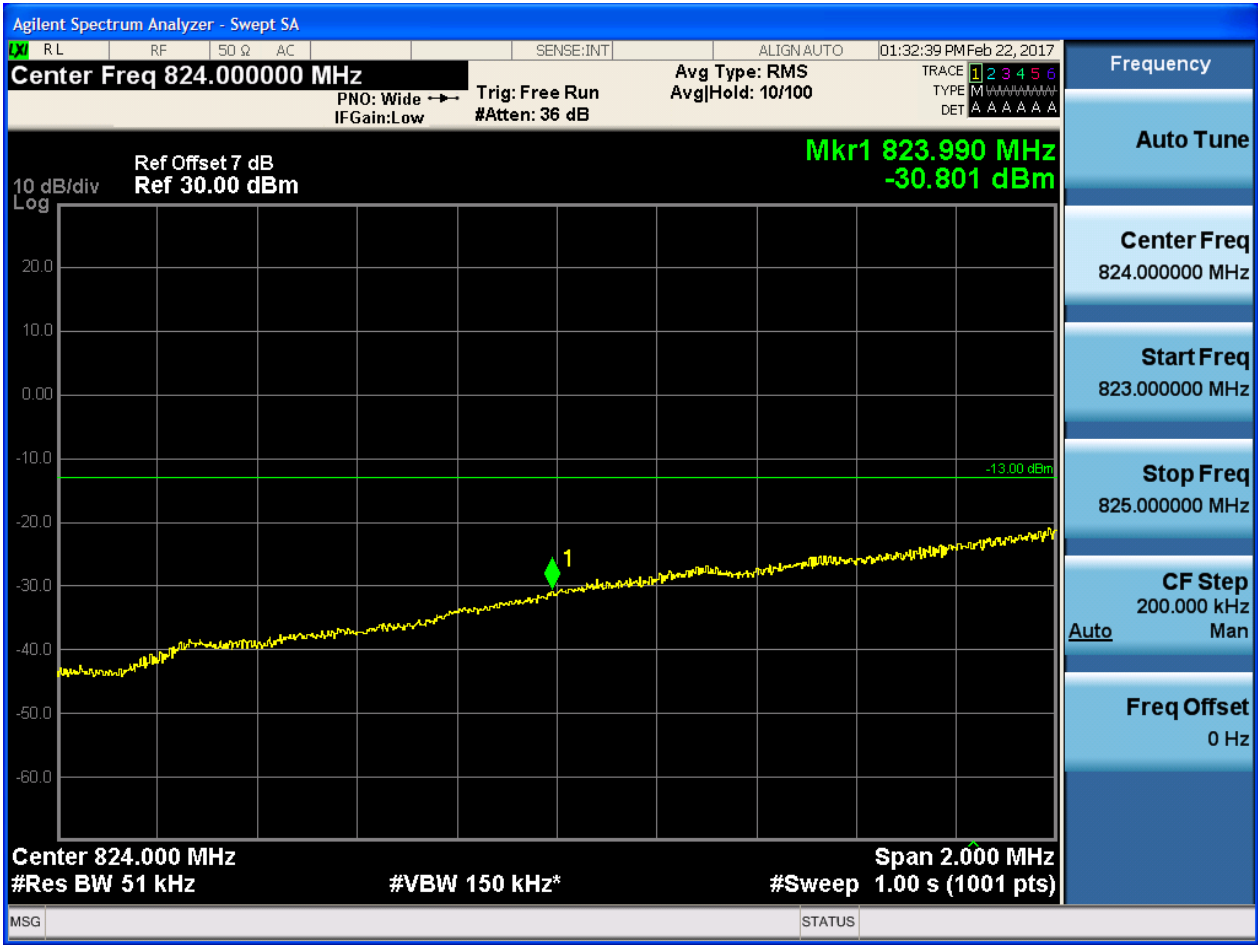


5.1.1.2.3.1.2 Test RB = RB1#24



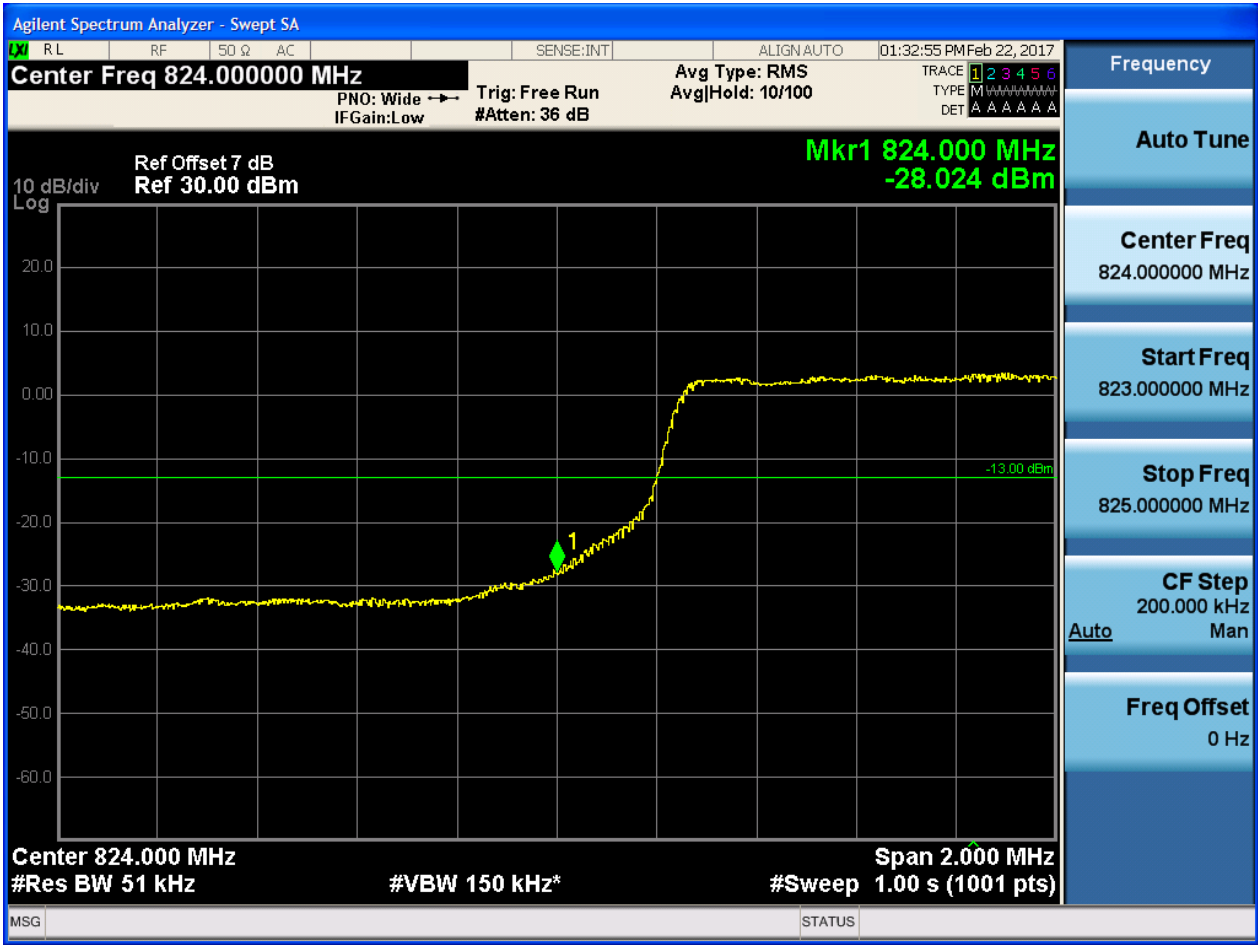


5.1.1.2.3.1.3 Test RB = RB12#6





5.1.1.2.3.1.4 Test RB = RB25#0





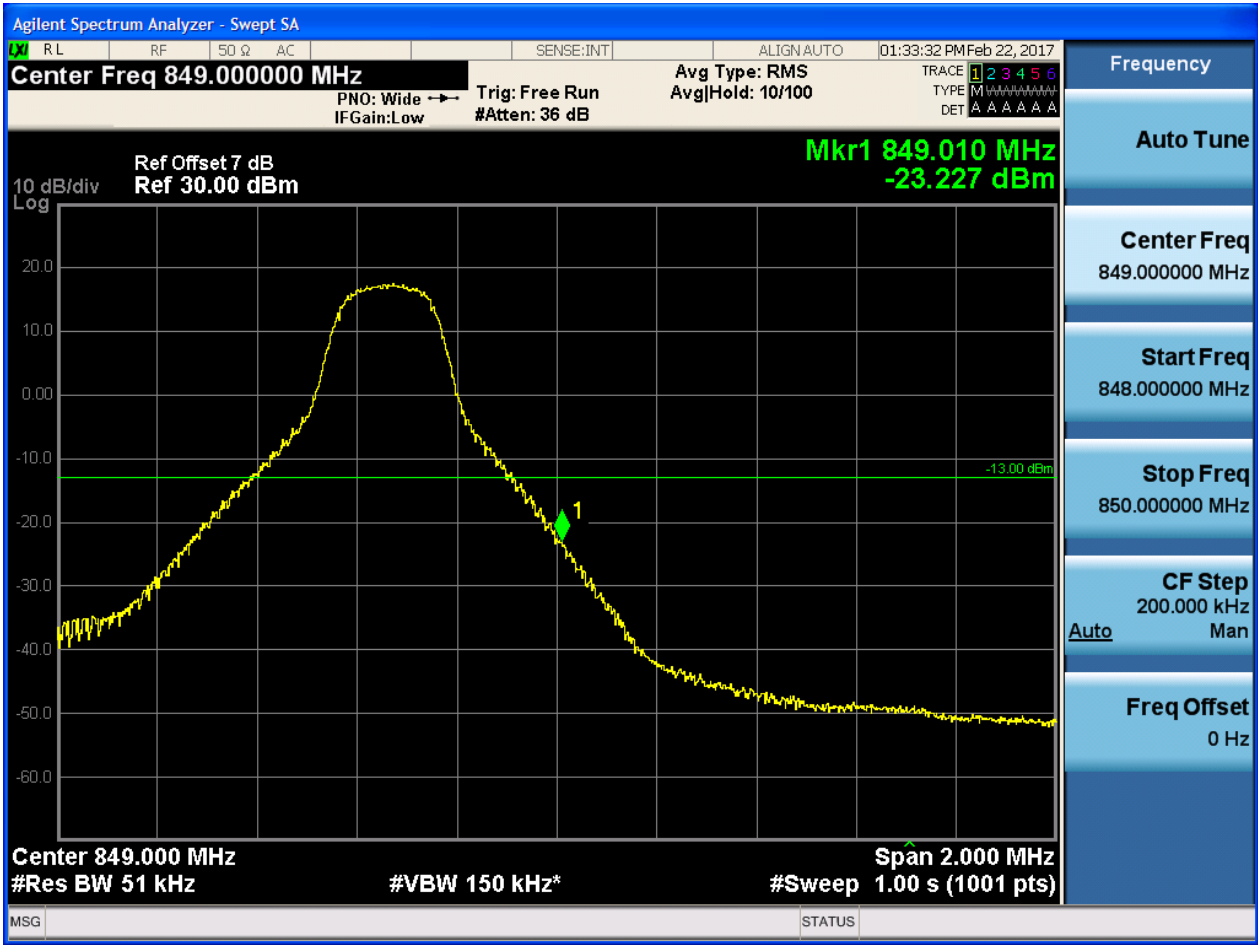
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





5.1.1.2.3.2.2 Test RB = RB1#24





5.1.1.2.3.2.3 Test RB = RB12#6





5.1.1.2.3.2.4 Test RB = RB25#0

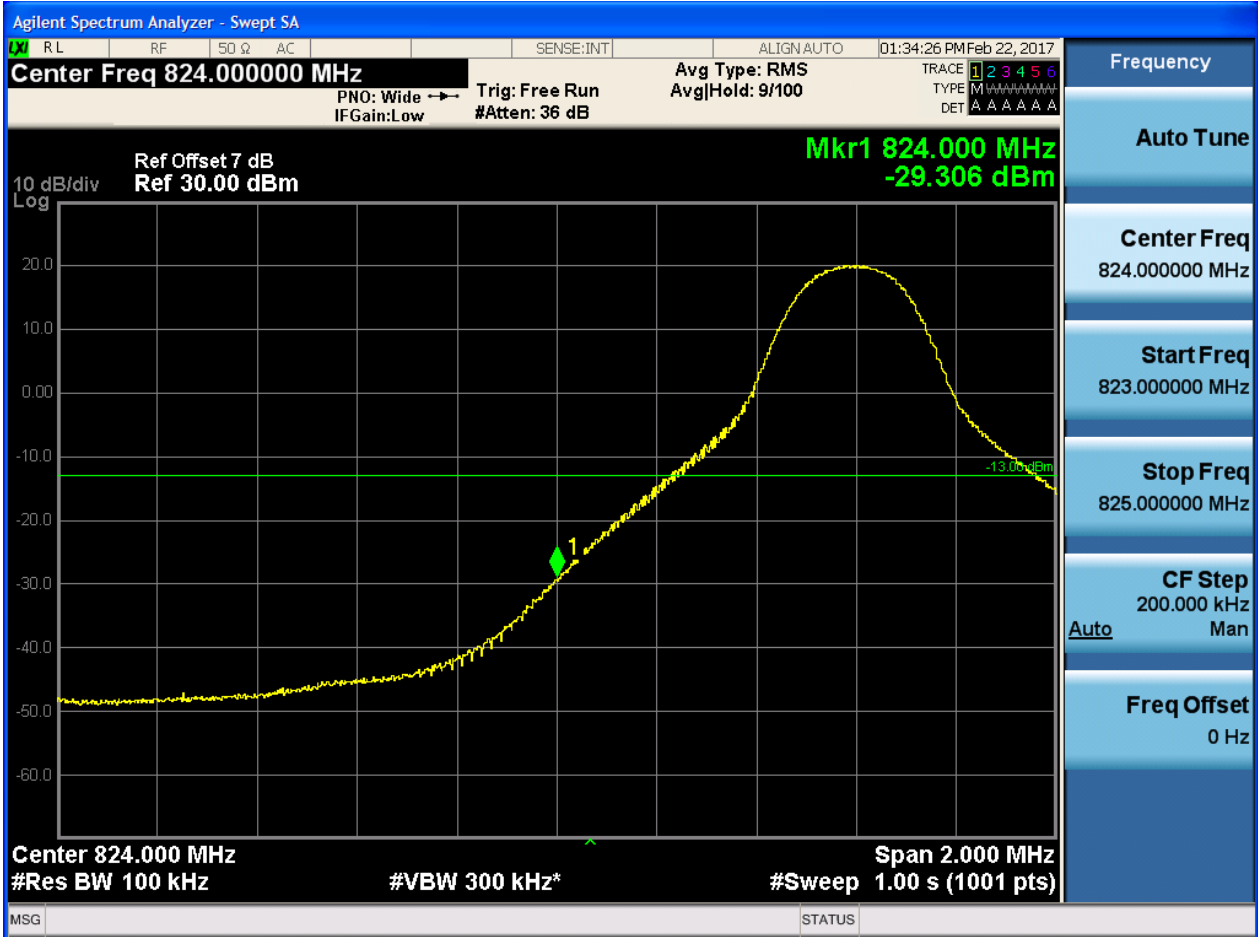




5.1.1.2.4 Test Bandwidth = 10

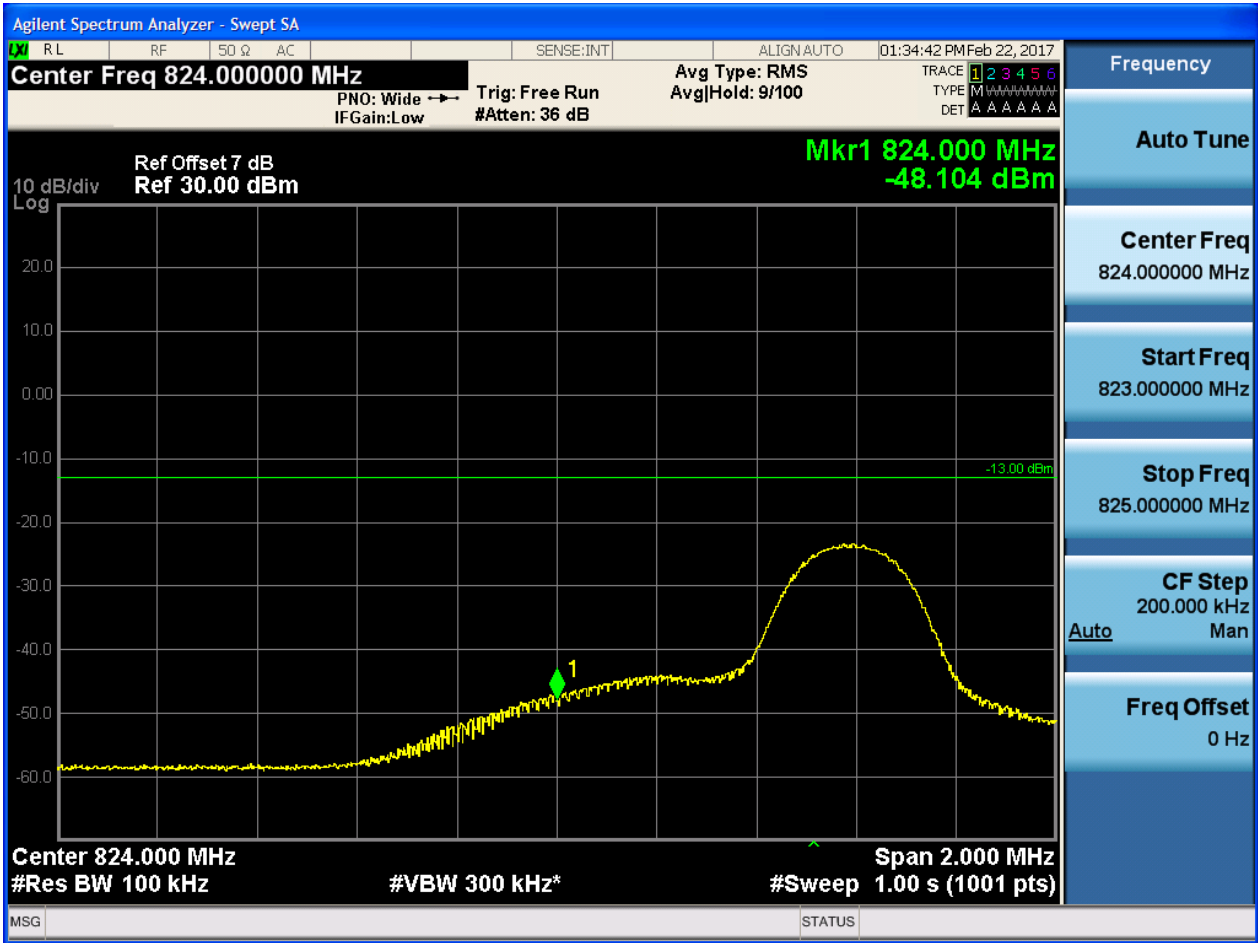
5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0



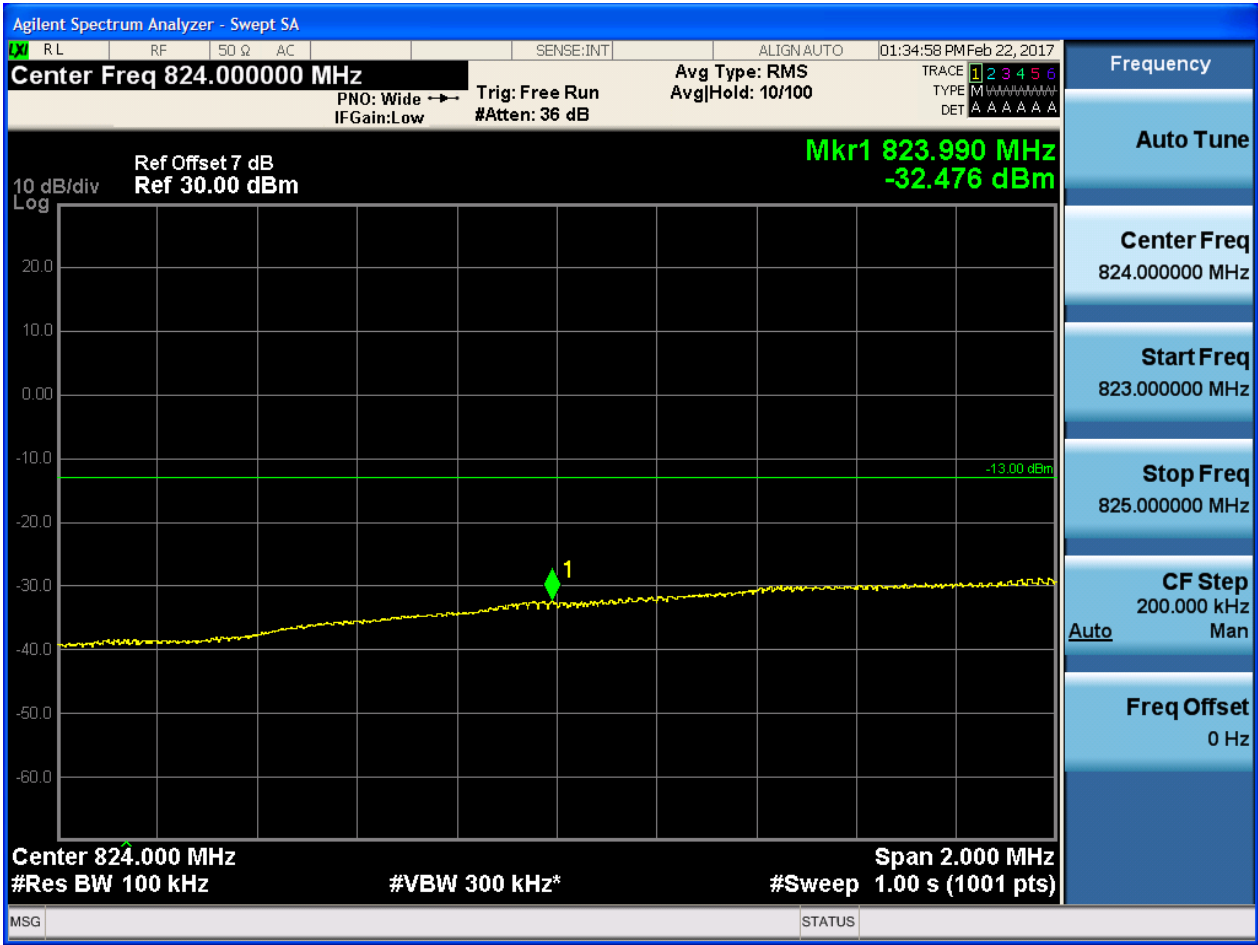


5.1.1.2.4.1.2 Test RB = RB1#49





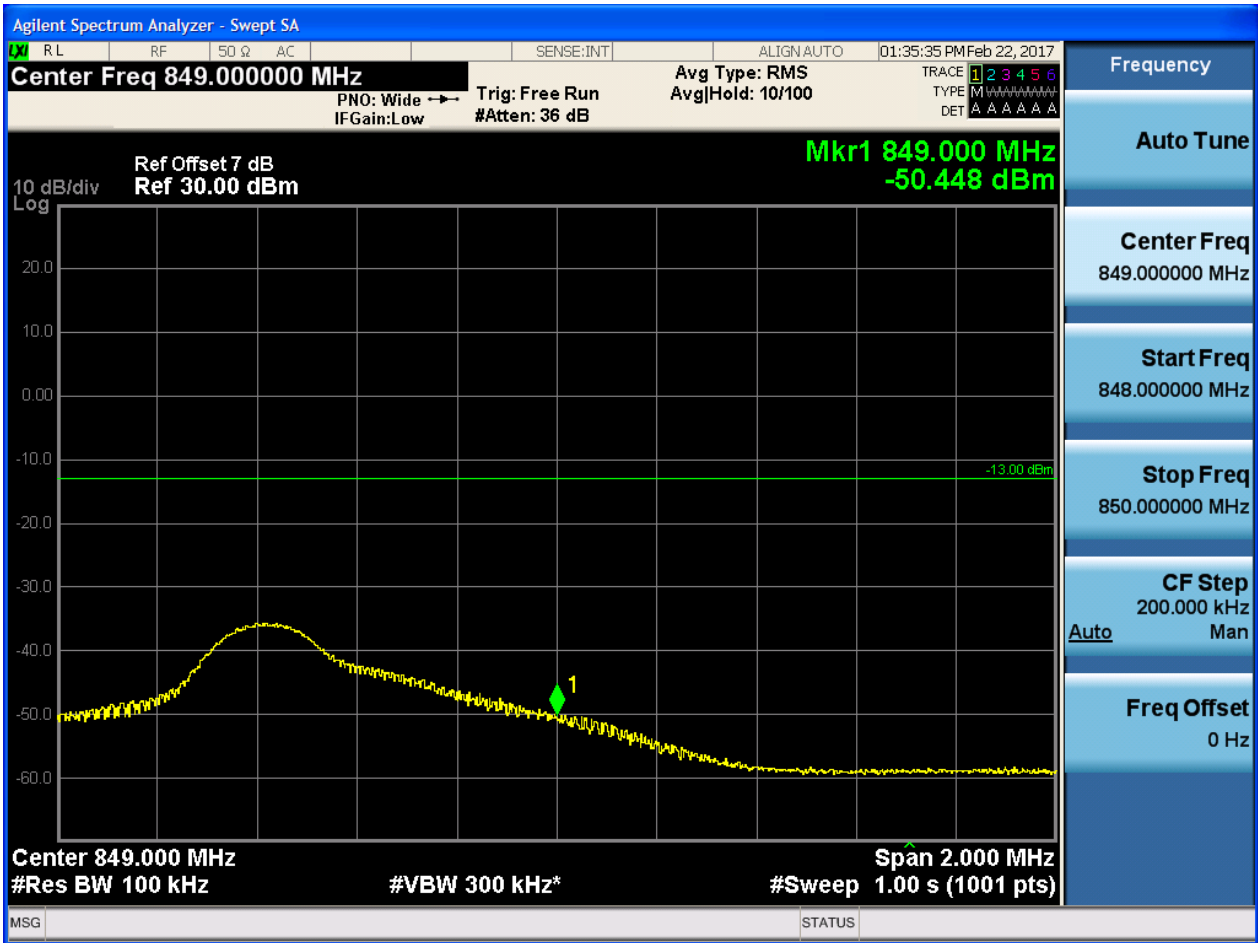
5.1.1.2.4.1.3 Test RB = RB25#13





5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0



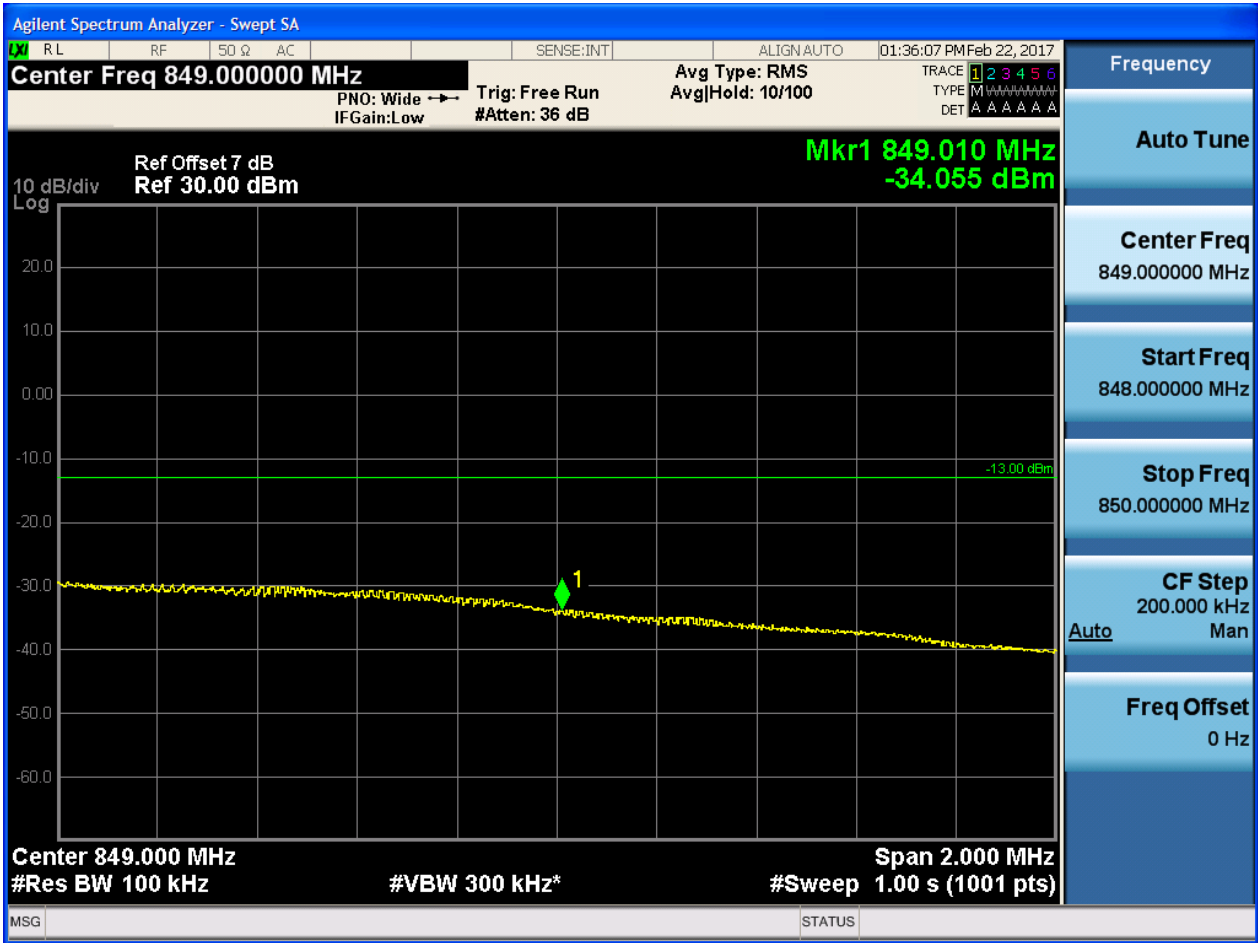


5.1.1.2.4.2.2 Test RB = RB1#49





5.1.1.2.4.2.3 Test RB = RB25#13





5.1.1.2.4.2.4 Test RB = RB50#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

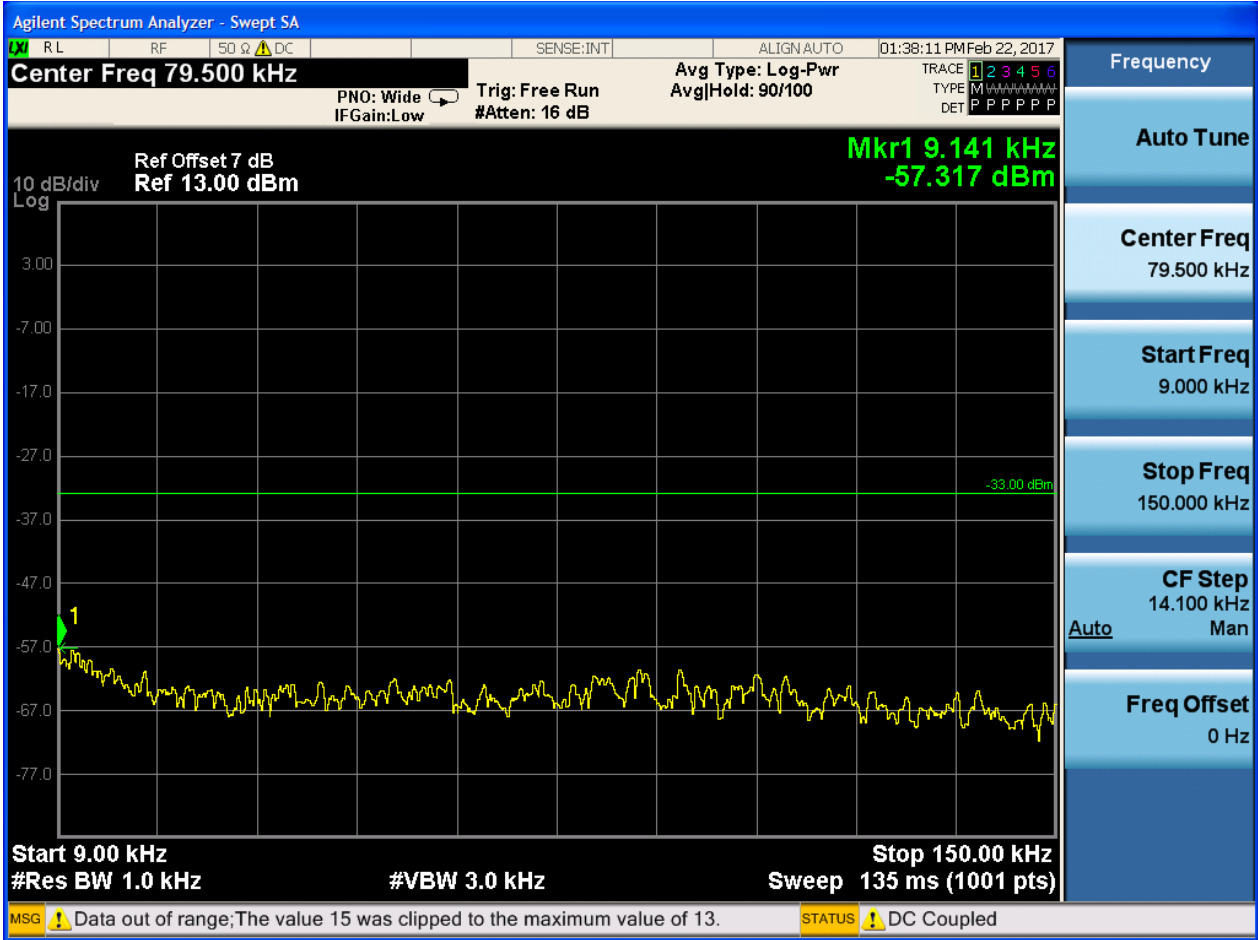
6.1.1 Test Band = BAND5

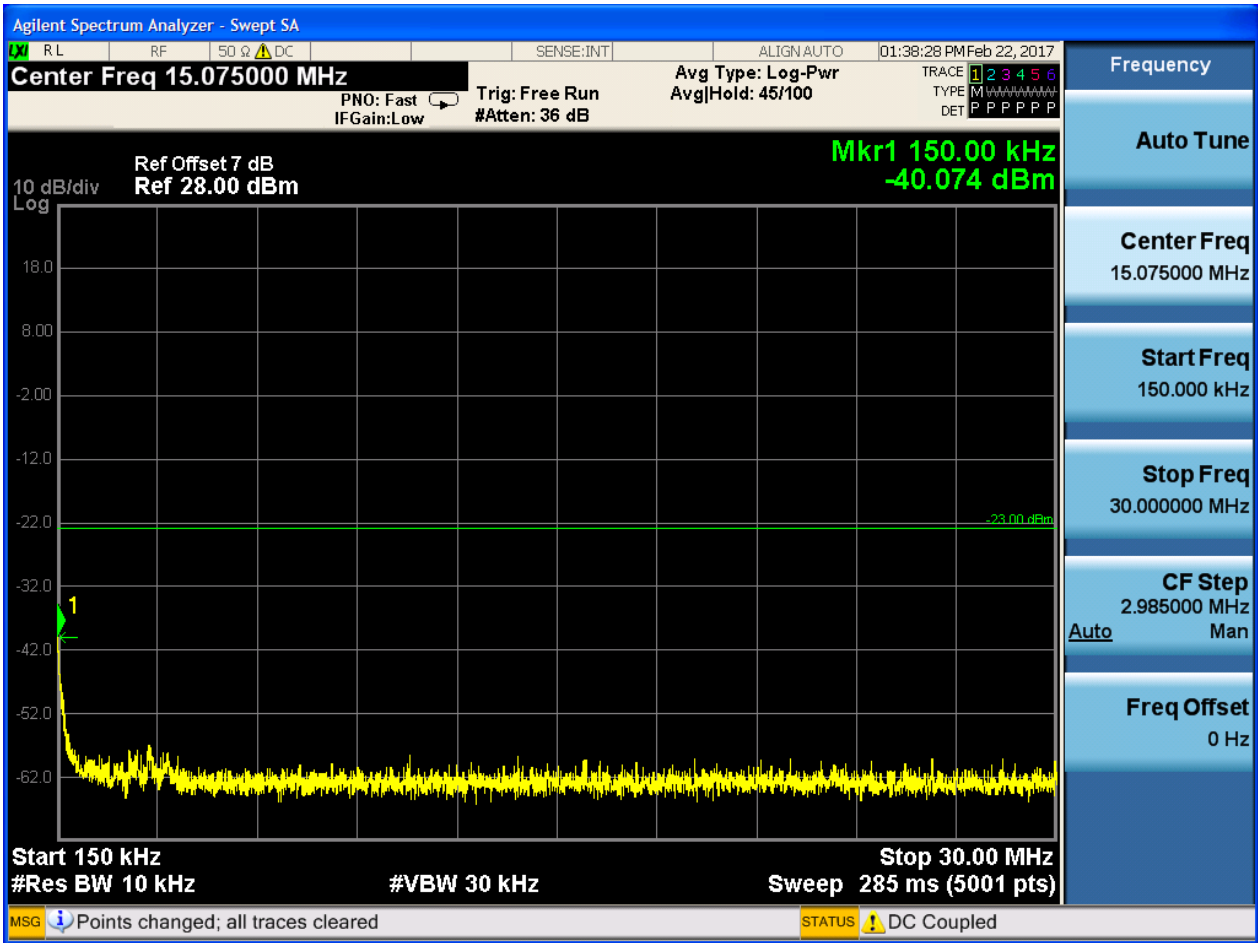
6.1.1.1 Test Mode = LTE/TM1

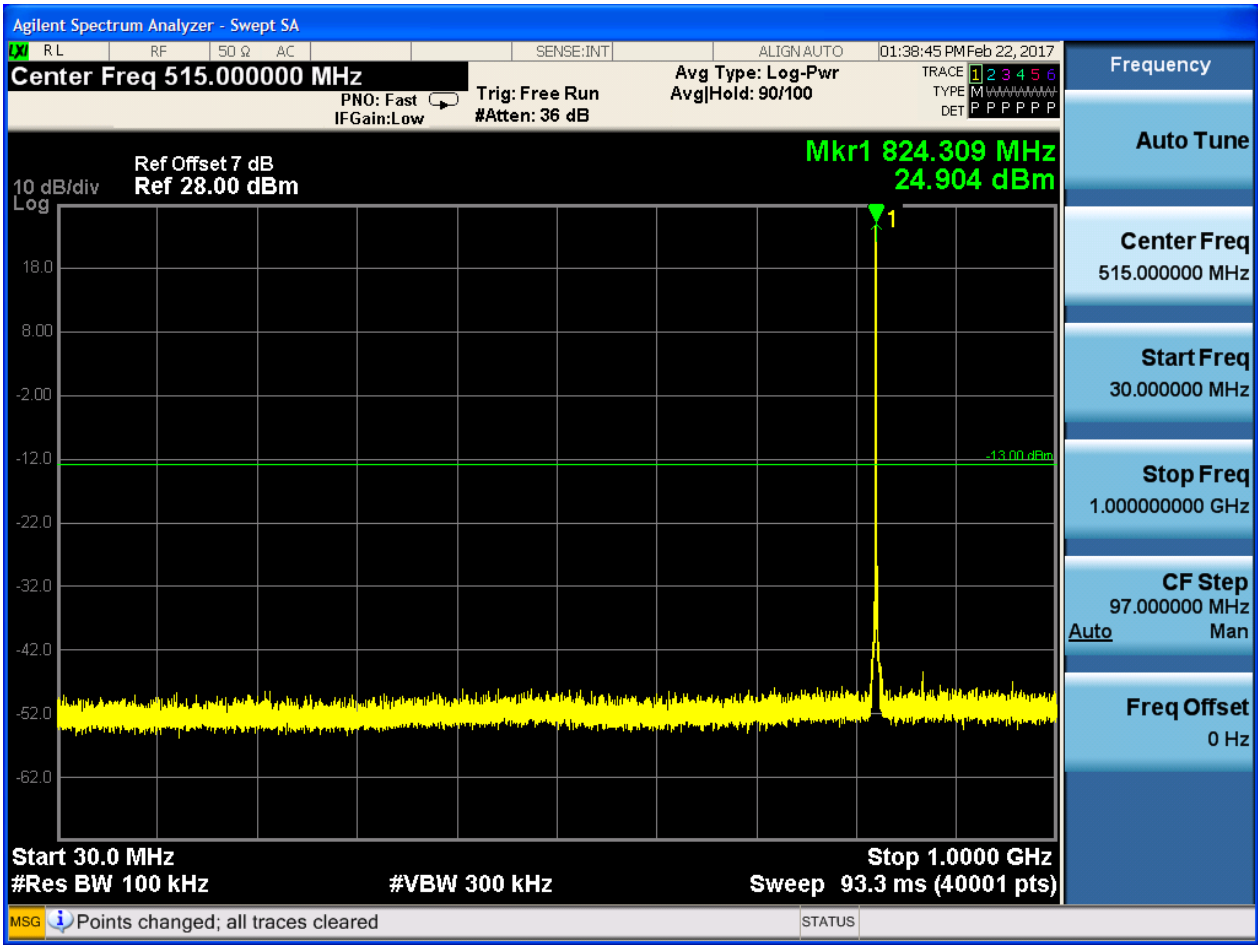
6.1.1.1.1 Test Bandwidth = 1.4

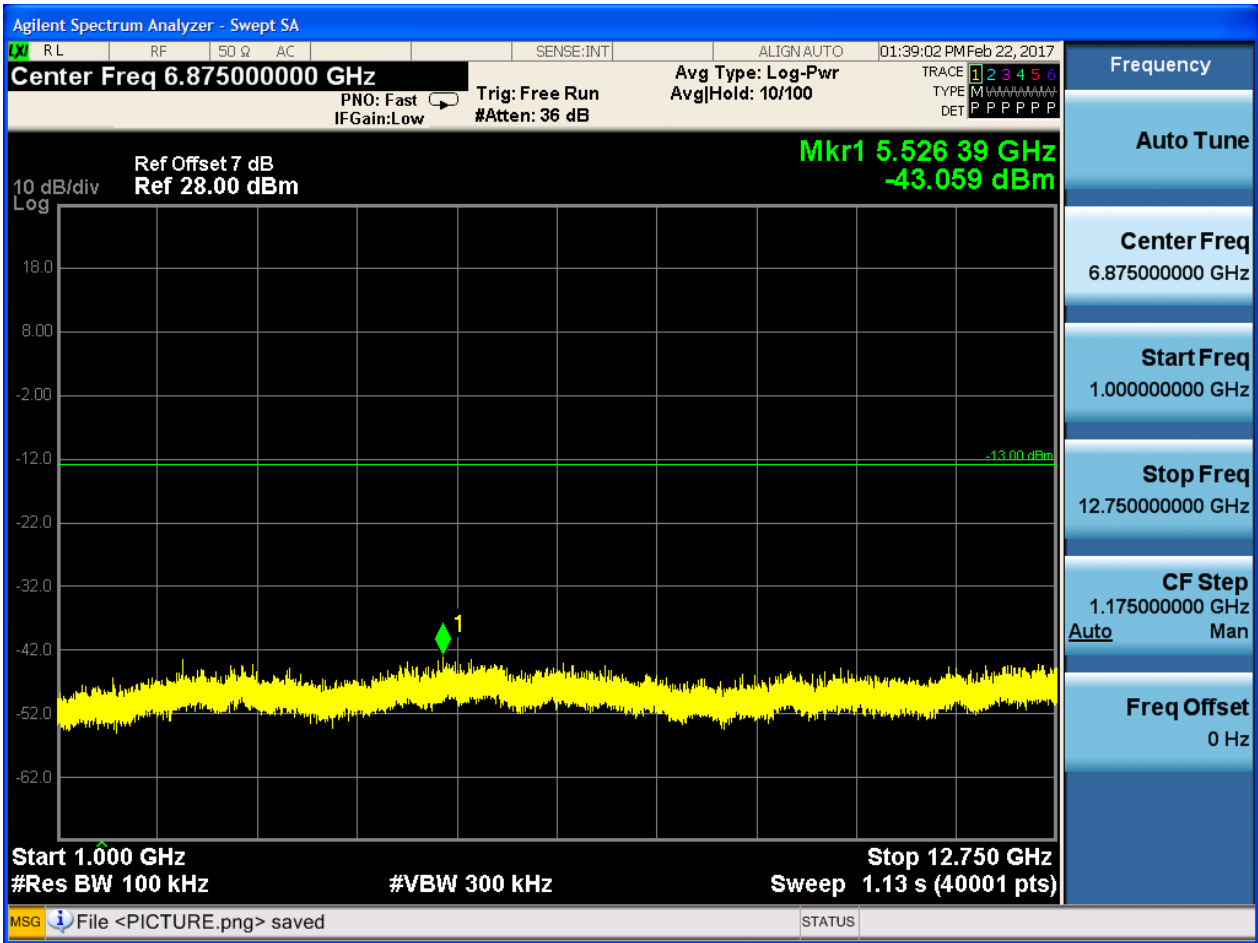
6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0











6.1.1.1.2 Test Channel = MCH

6.1.1.1.2.1 Test RB = RB1#0

