



## 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        | PASS    |
|                |           |                |              | 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        | PASS    |
|                |           |                |              | 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    |
|                |           |                |              | RB1#25  | 23.07         | 19.12    | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 22.98         | 19.03    | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.09         | 18.14    | 38.5        | PASS    |
|                |           |                |              | RB25#13 | 22.15         | 18.2     | 38.5        | PASS    |
|                |           |                |              | RB25#25 | 22.12         | 18.17    | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 22.12         | 18.17    | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 23.05         | 19.1     | 38.5        | PASS    |
|                |           |                |              | RB1#25  | 23.43         | 19.48    | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 23.25         | 19.3     | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.05         | 18.1     | 38.5        | PASS    |
|                |           |                |              | 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    |
|                |           |                |              | 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        | PASS    |
|                |           |                |              | 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:

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

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed 1MHz}$$

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

$$\text{SET Sweep time} = \text{auto-couple.}$$

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    |
|                    |           |                      |              | RB6#0   | 4.81         | 13         | PASS    |
|                    |           |                      | HCH          | 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    |
|                    |           |                      |              | RB3#3   | 3.7          | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 4.85         | 13         | PASS    |
|                    |           | 3                    | LCH          | RB1#0   | 3.14         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 3.08         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 3.3          | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 4.25         | 13         | PASS    |
|                    |           |                      |              | 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    |
|                    |           |                      |              | RB50#0  | 5.27         | 13         | PASS    |
|                    | LTE/TM2   | 1.4                  | LCH          | 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    |
|                    |           |                      |              | RB6#0   | 5.29         | 13         | PASS    |
|                    |           |                      | MCH          | 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    |
|                    |           |                      |              | RB6#0   | 5.4          | 13         | PASS    |
|                    |           |                      | HCH          | 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    |
|                    |           |                      |              | RB6#0   | 5.72         | 13         | PASS    |
|                    |           | 3                    | LCH          | 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    |
|                    |           |                      |              | 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    |
|                    |           |                      |              | RB1#0   | 4.16         | 13         | PASS    |
|                    |           |                      | MCH          | 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    |
|                    |           |                      |              | RB15#0  | 5.83         | 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

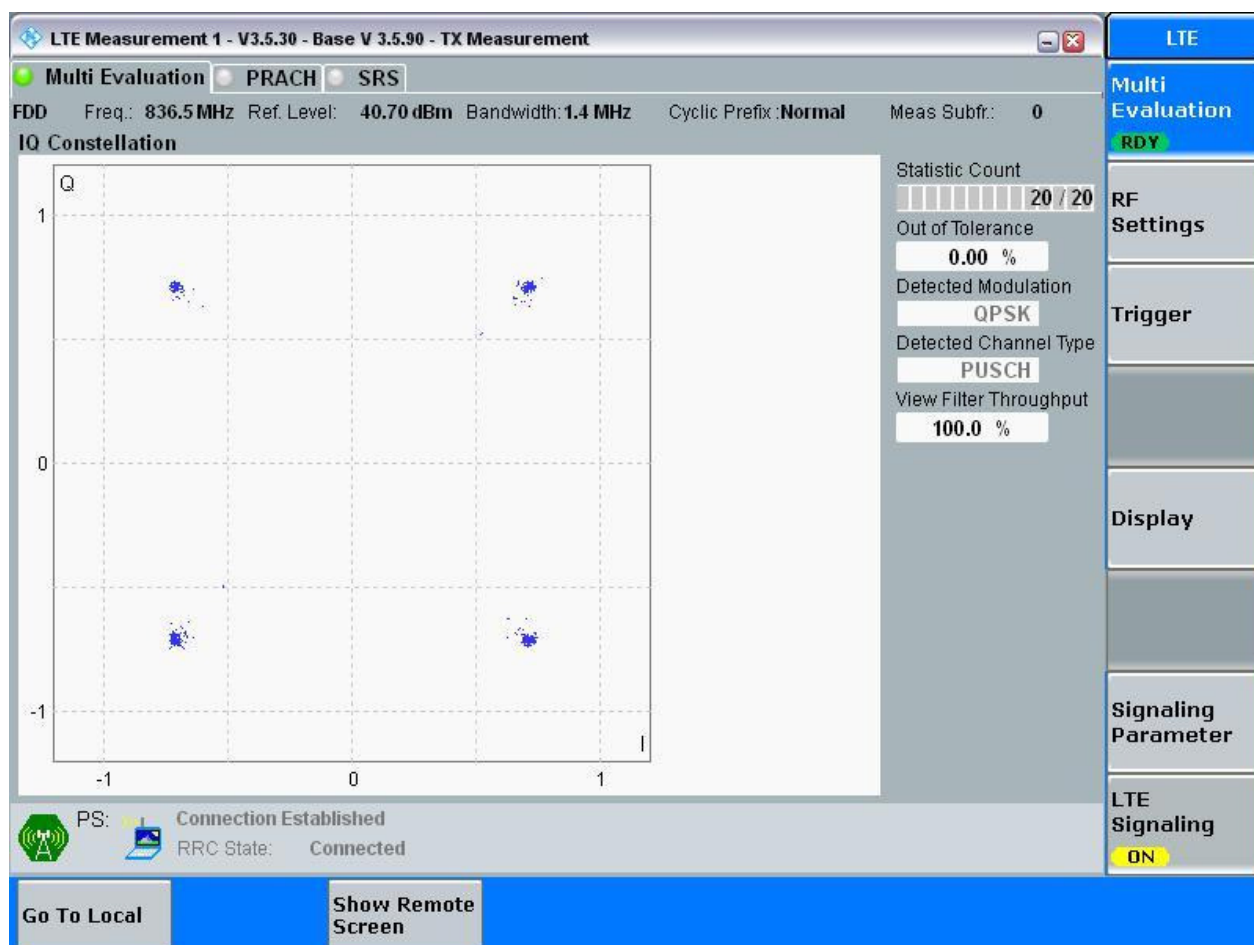
##### 3.1.1 Test Band = BAND5

##### 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

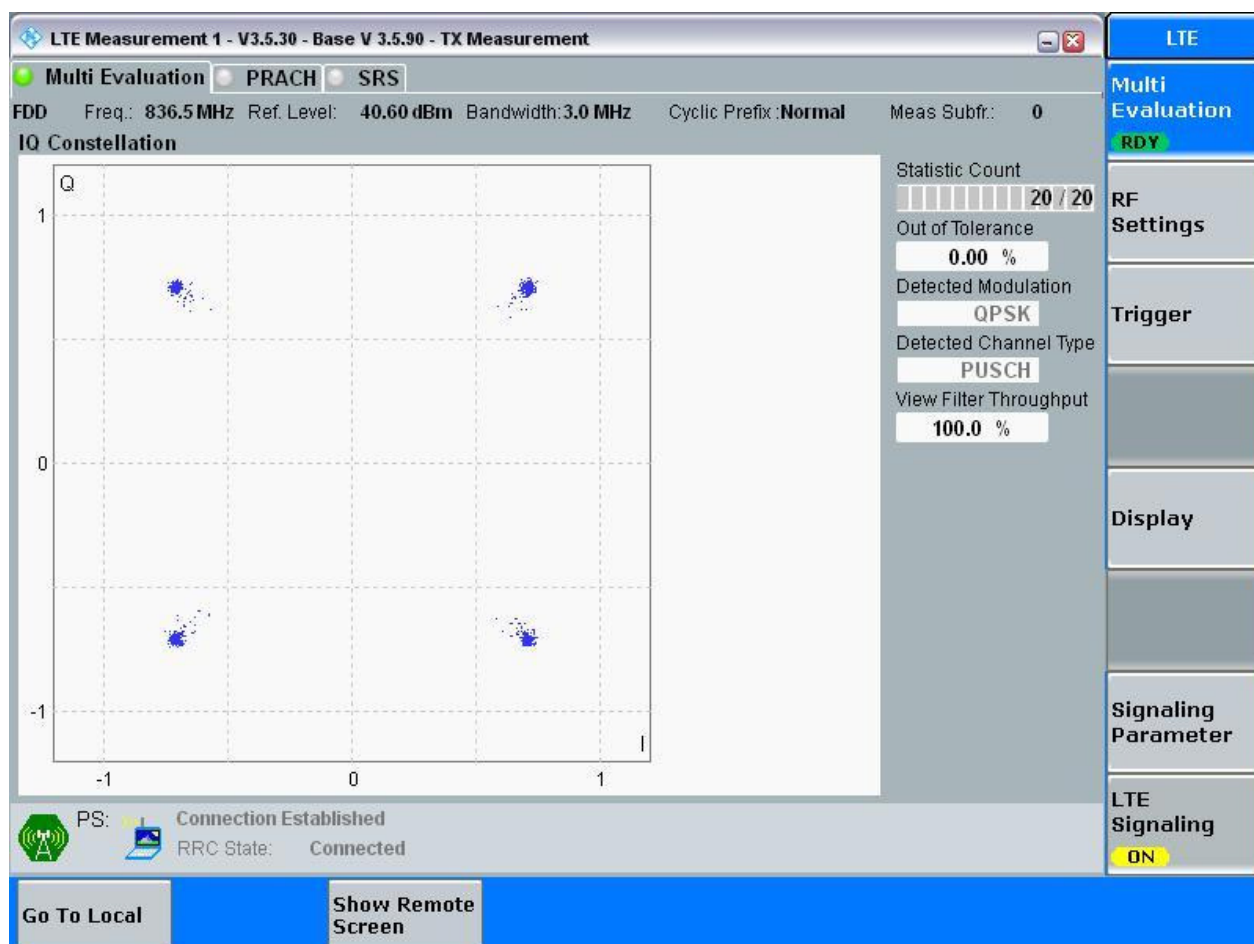
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

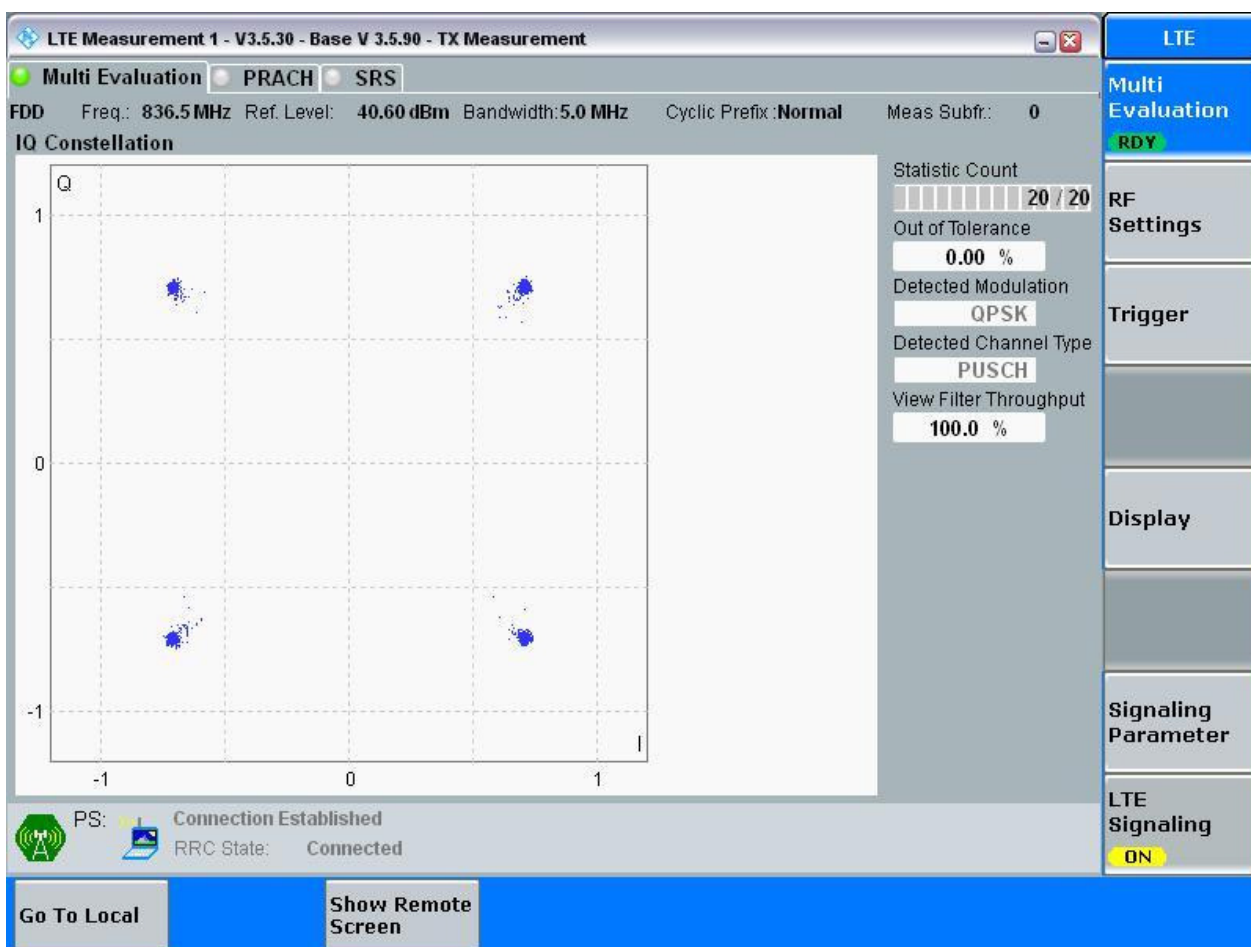
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

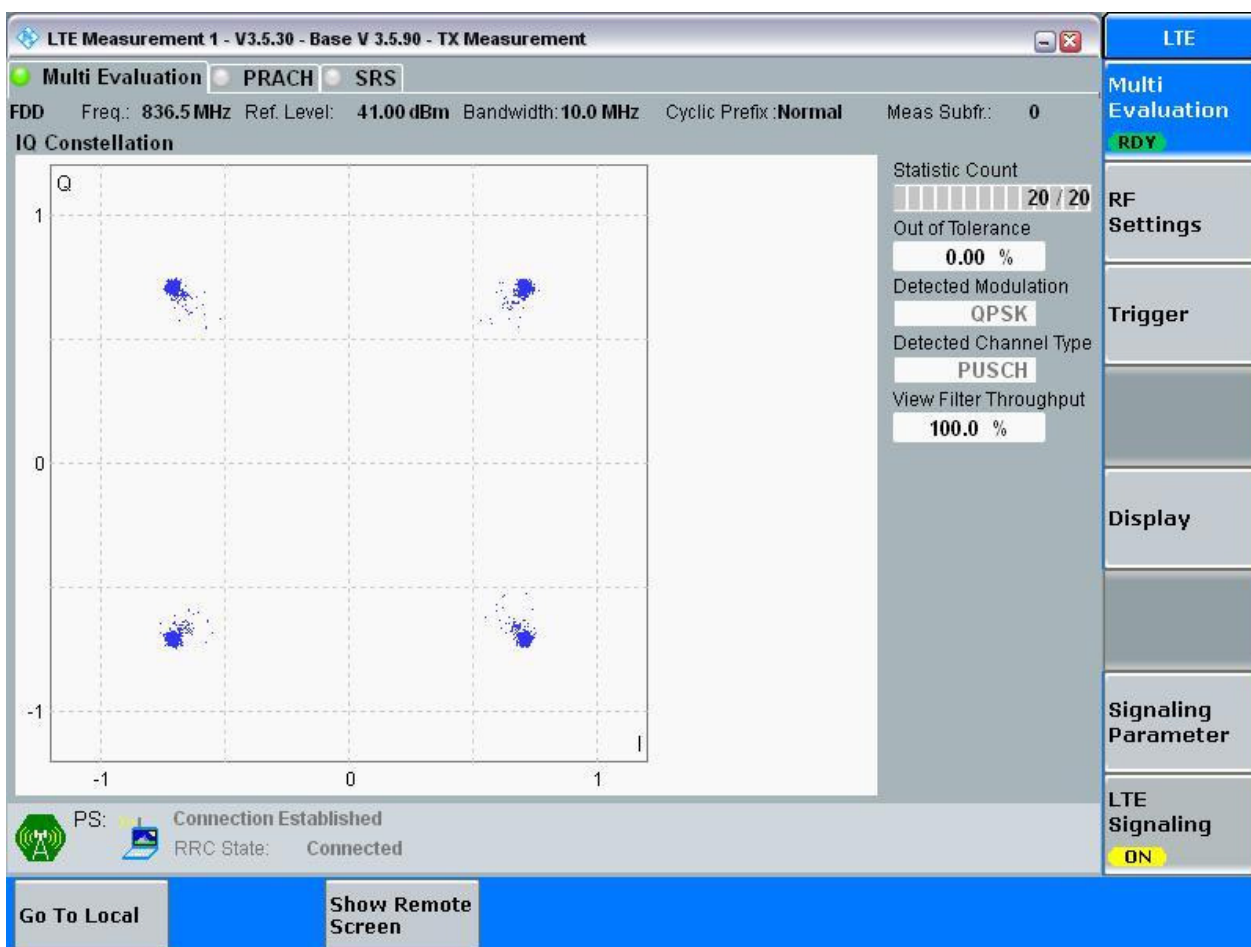
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 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

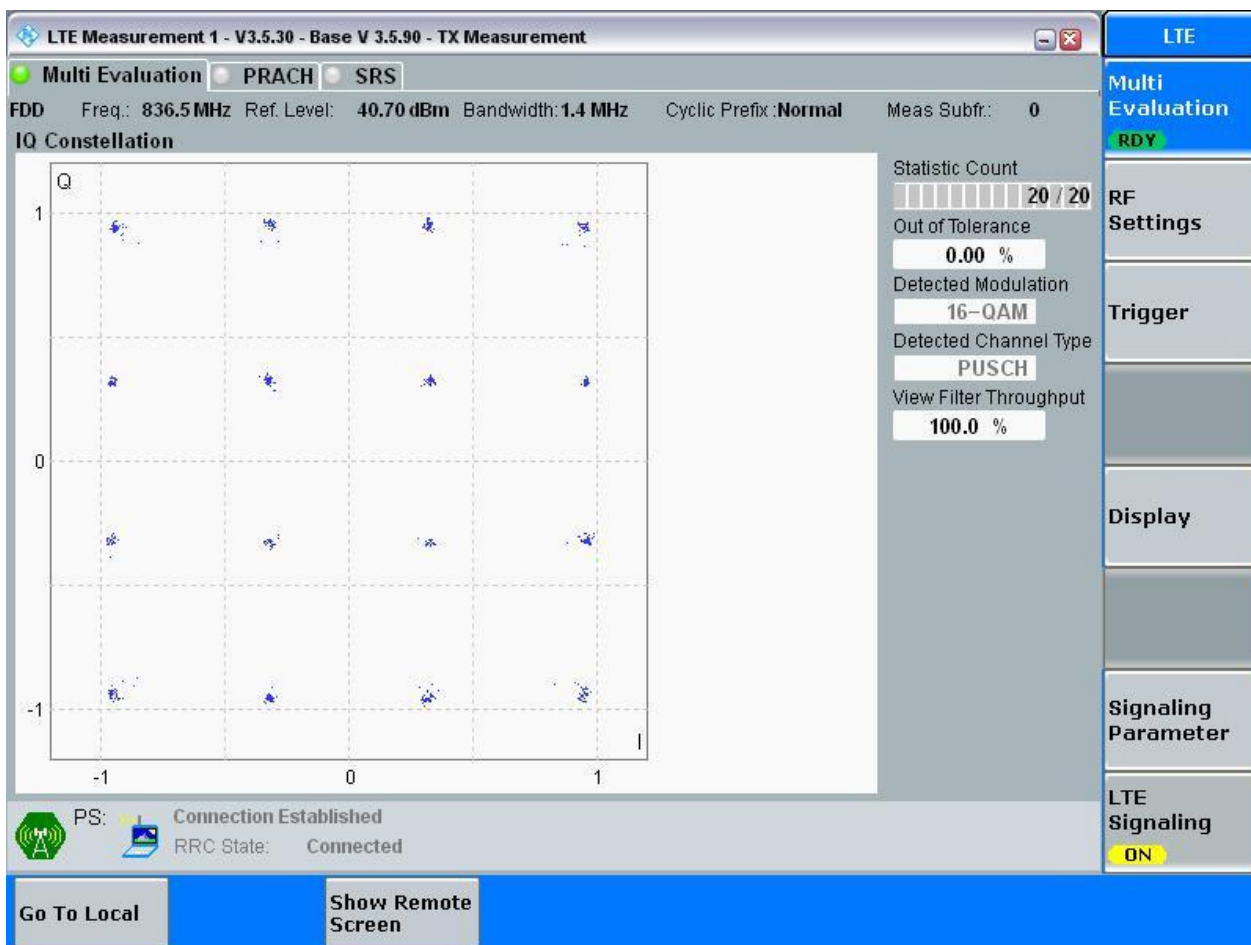


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 1.4

##### 3.1.1.2.1.1 Test Channel = MCH

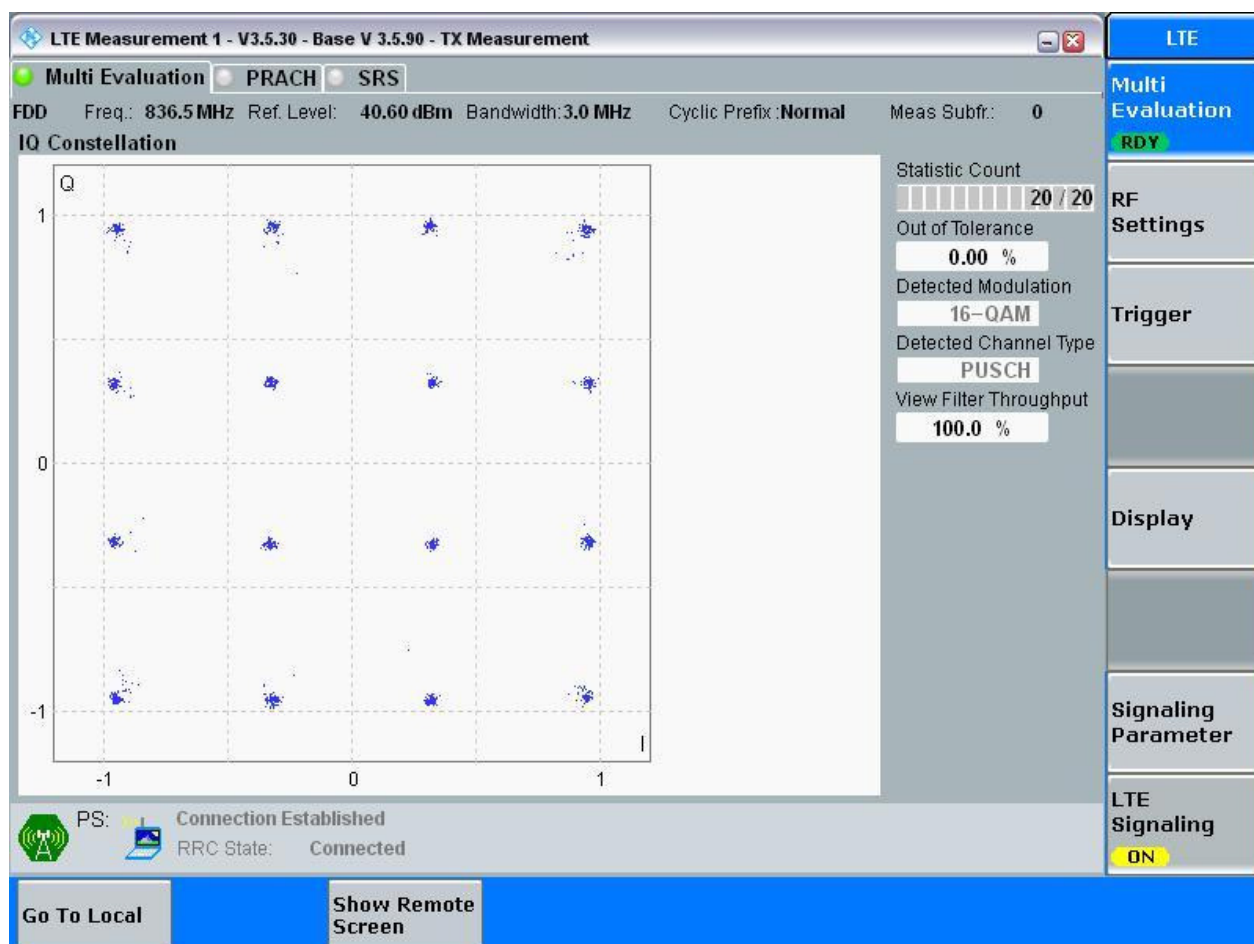
##### 3.1.1.2.1.1.1 Test RB = RB6#0



### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

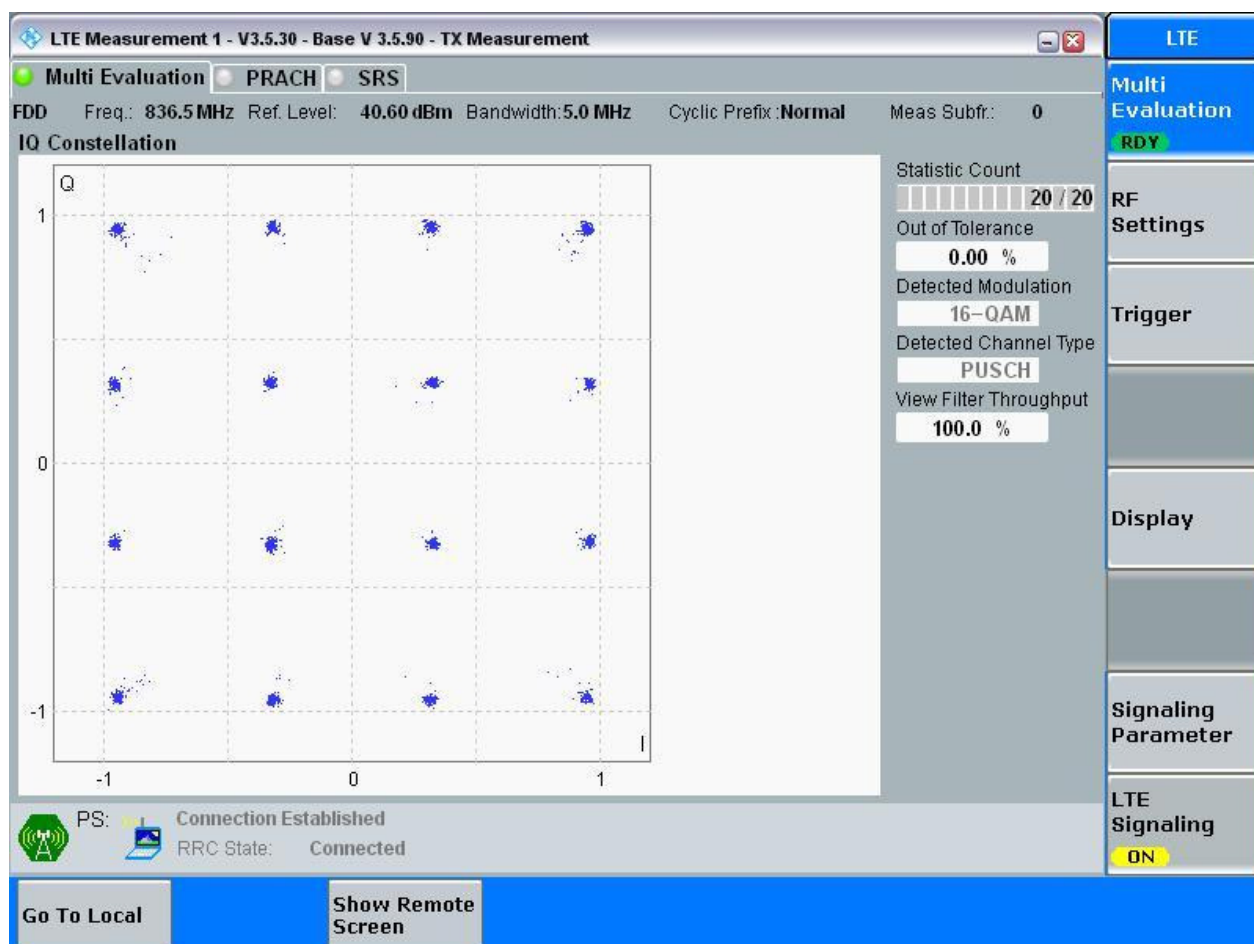
##### 3.1.1.2.2.1.1 Test RB = RB15#0



### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

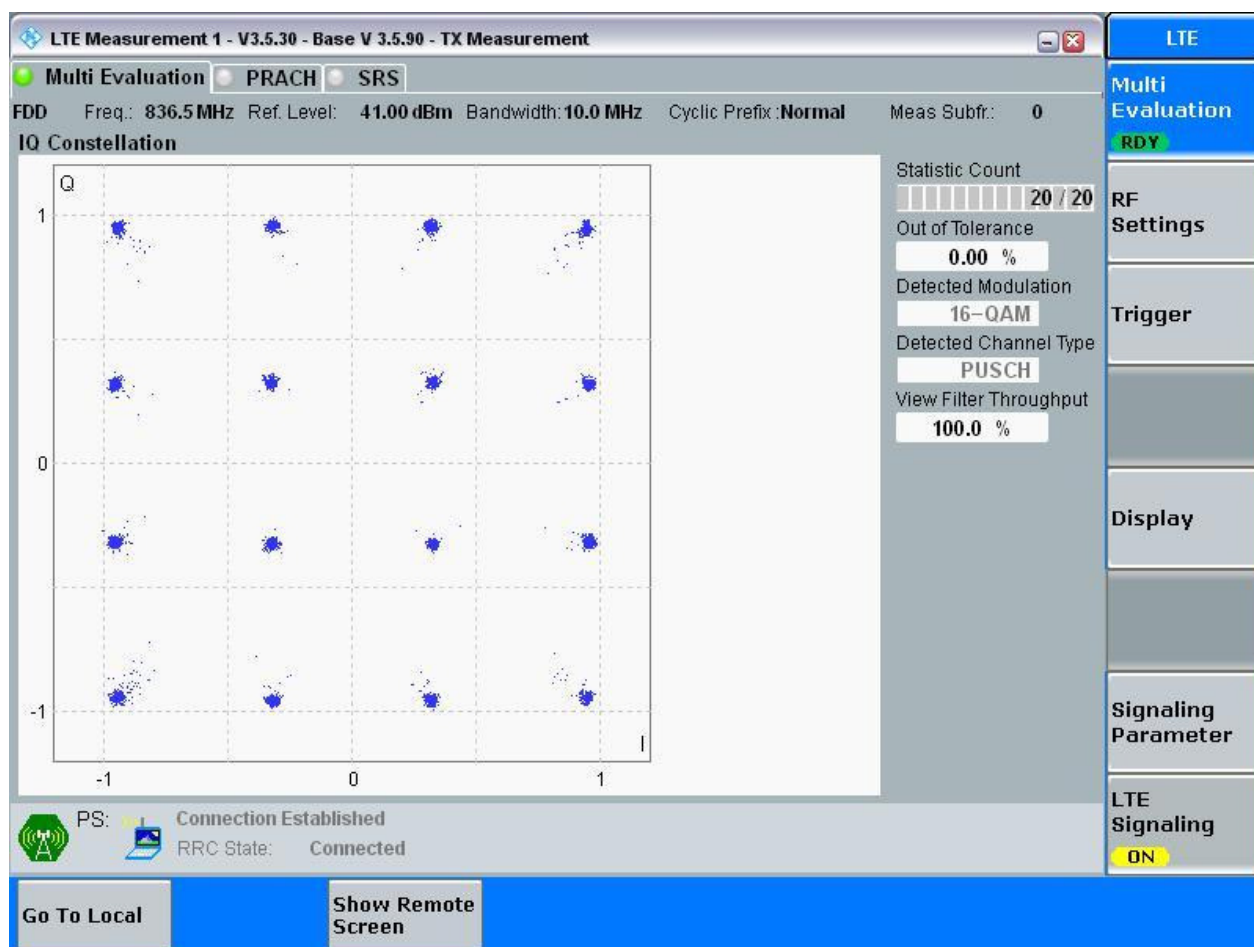
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 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

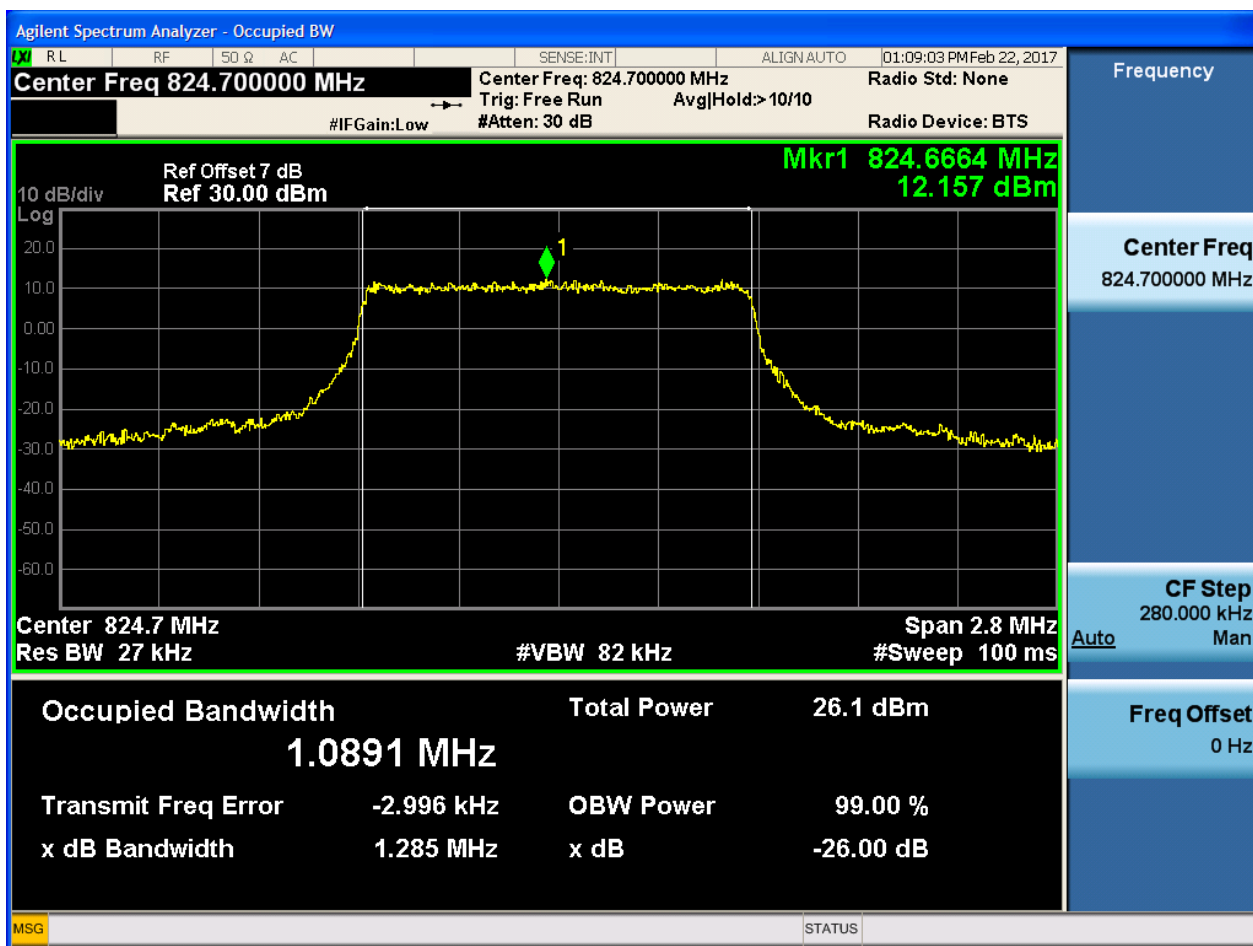
#### 4.1.1 Test Band = BAND5

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

##### 4.1.1.1.1 Test Bandwidth = 1.4

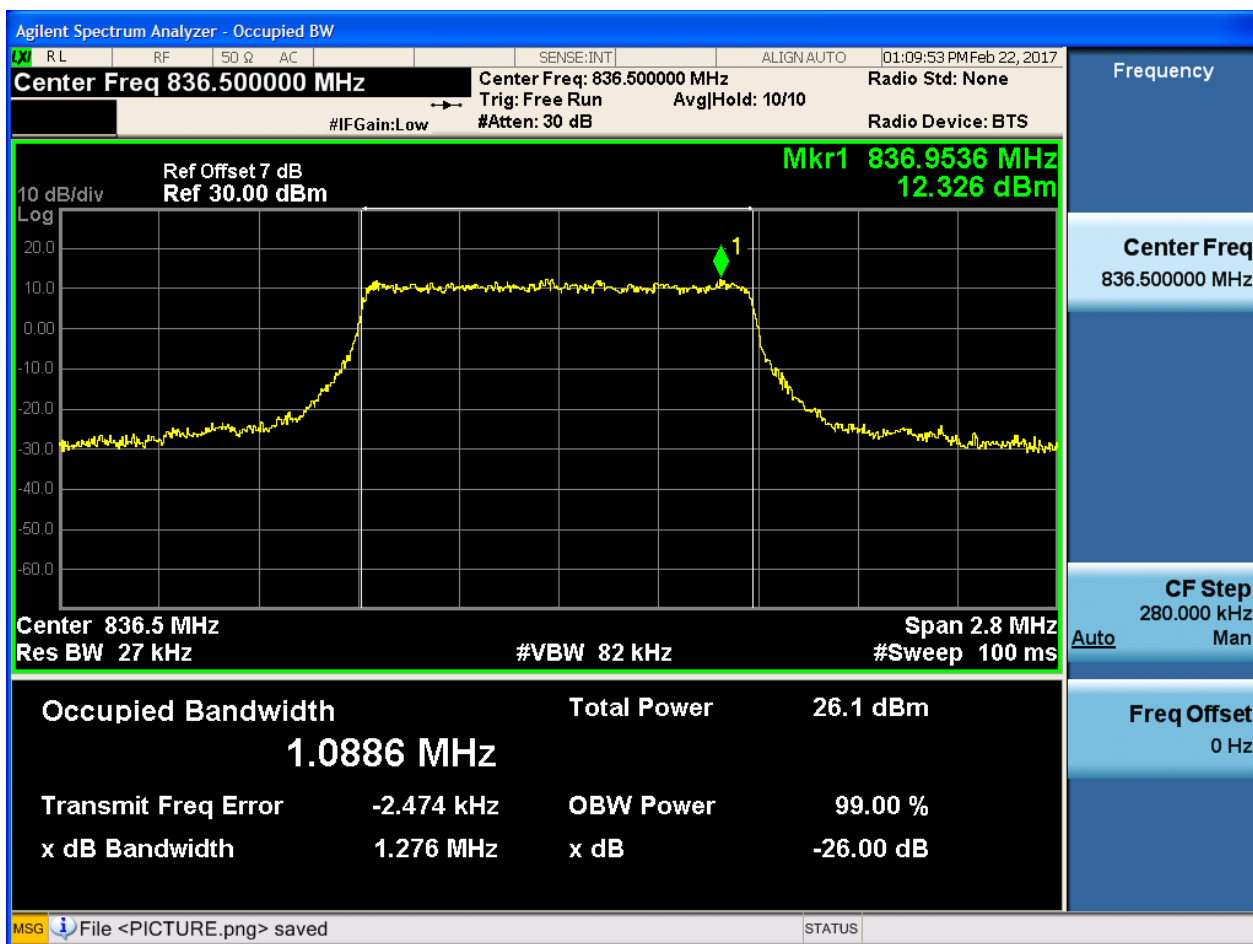
##### 4.1.1.1.1.1 Test Channel = LCH

##### 4.1.1.1.1.1.1 Test RB = RB6#0



#### 4.1.1.1.1.2 Test Channel = MCH

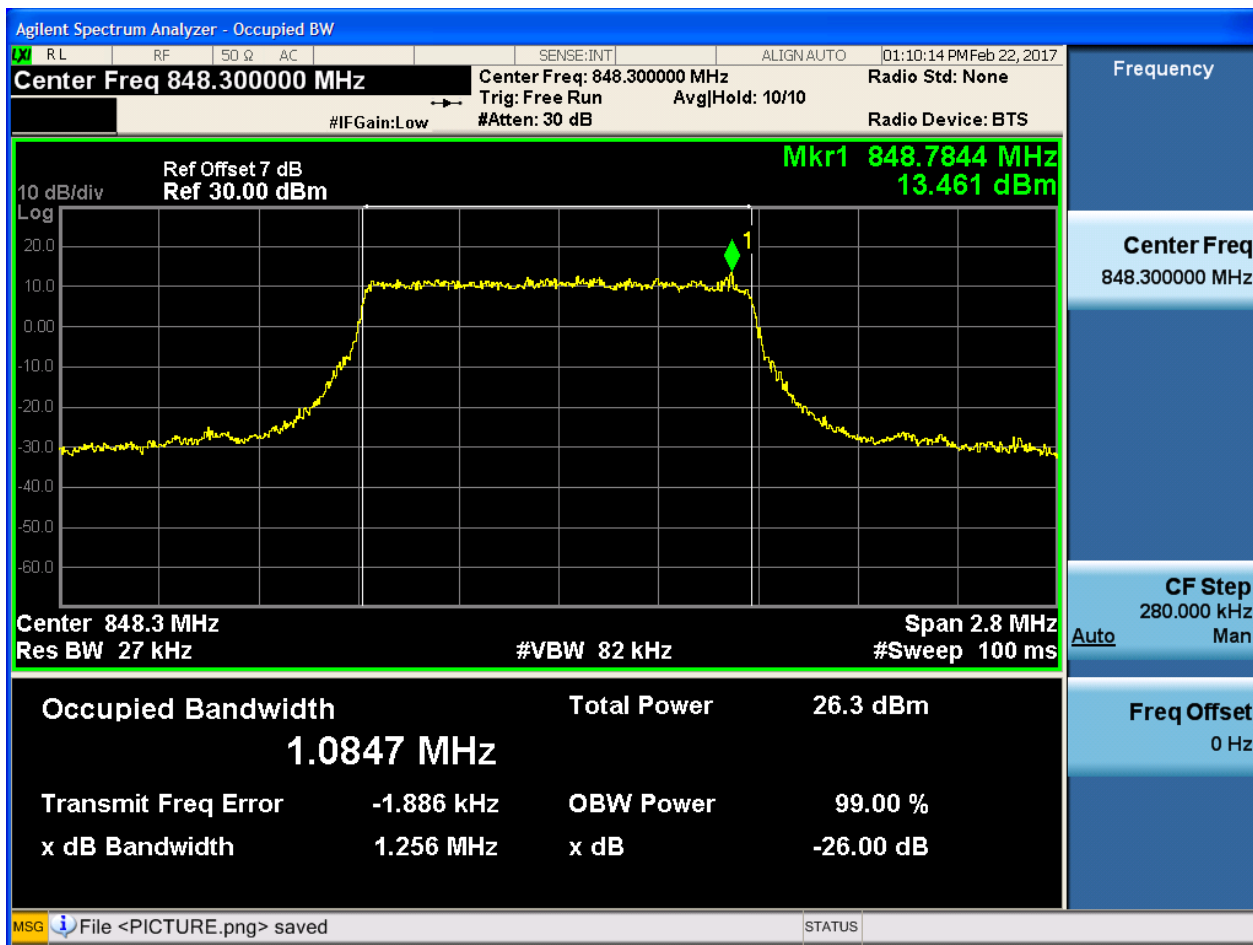
##### 4.1.1.1.1.2.1 Test RB = RB6#0





## 4.1.1.1.1.3 Test Channel = HCH

## 4.1.1.1.1.3.1 Test RB = RB6#0

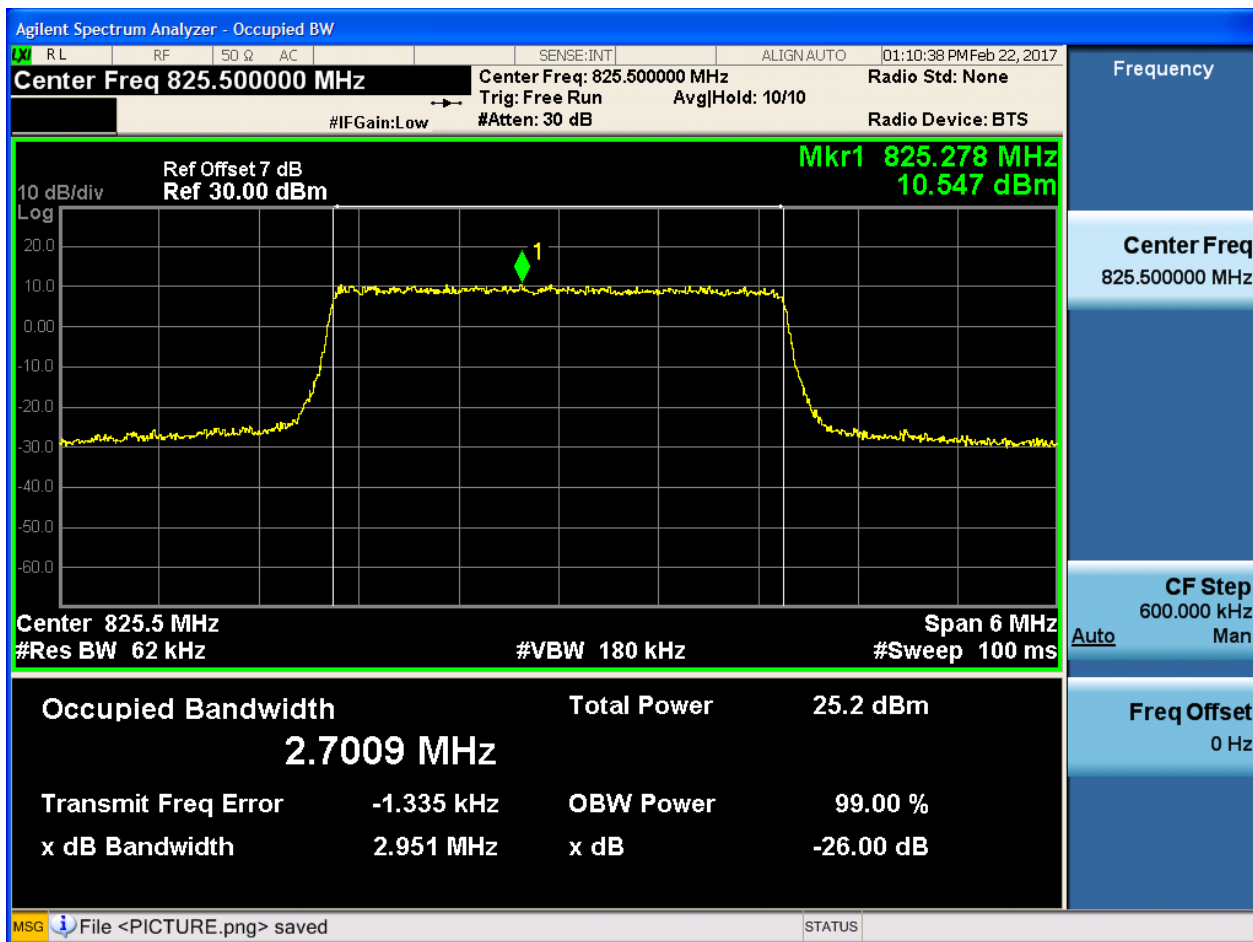




## 4.1.1.1.2 Test Bandwidth = 3

## 4.1.1.1.2.1 Test Channel = LCH

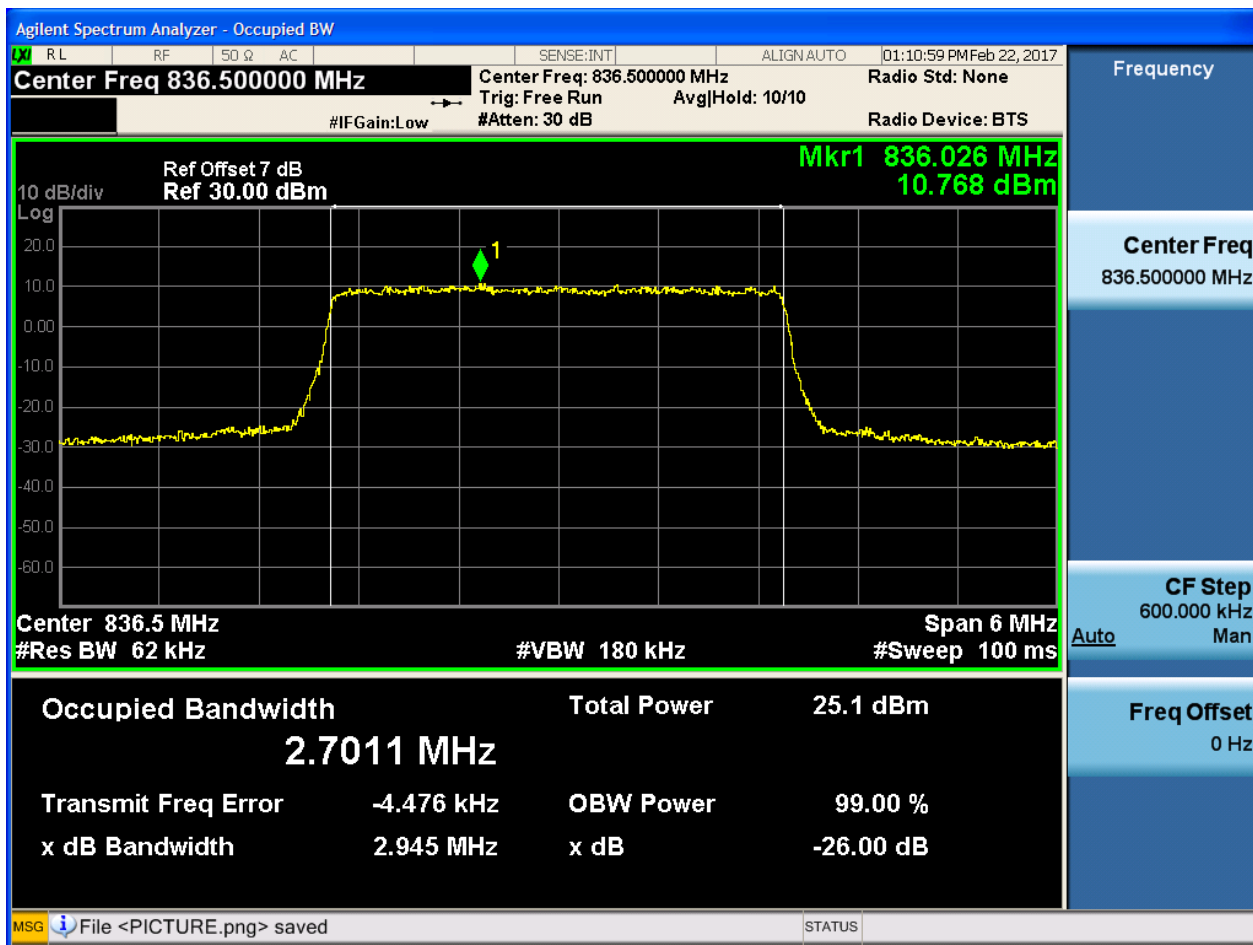
## 4.1.1.1.2.1.1 Test RB = RB15#0





## 4.1.1.1.2.2 Test Channel = MCH

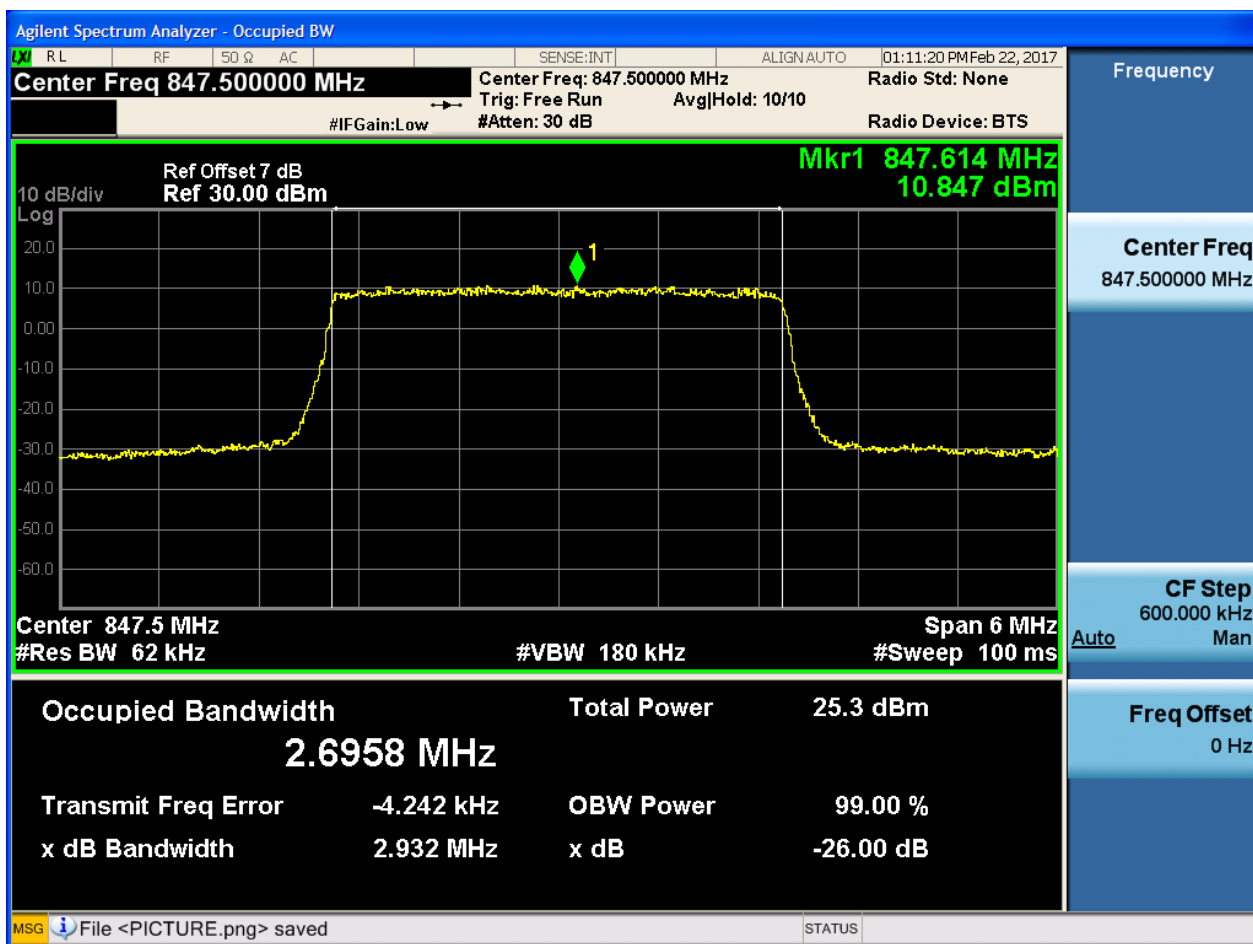
## 4.1.1.1.2.2.1 Test RB = RB15#0





## 4.1.1.1.2.3 Test Channel = HCH

## 4.1.1.1.2.3.1 Test RB = RB15#0

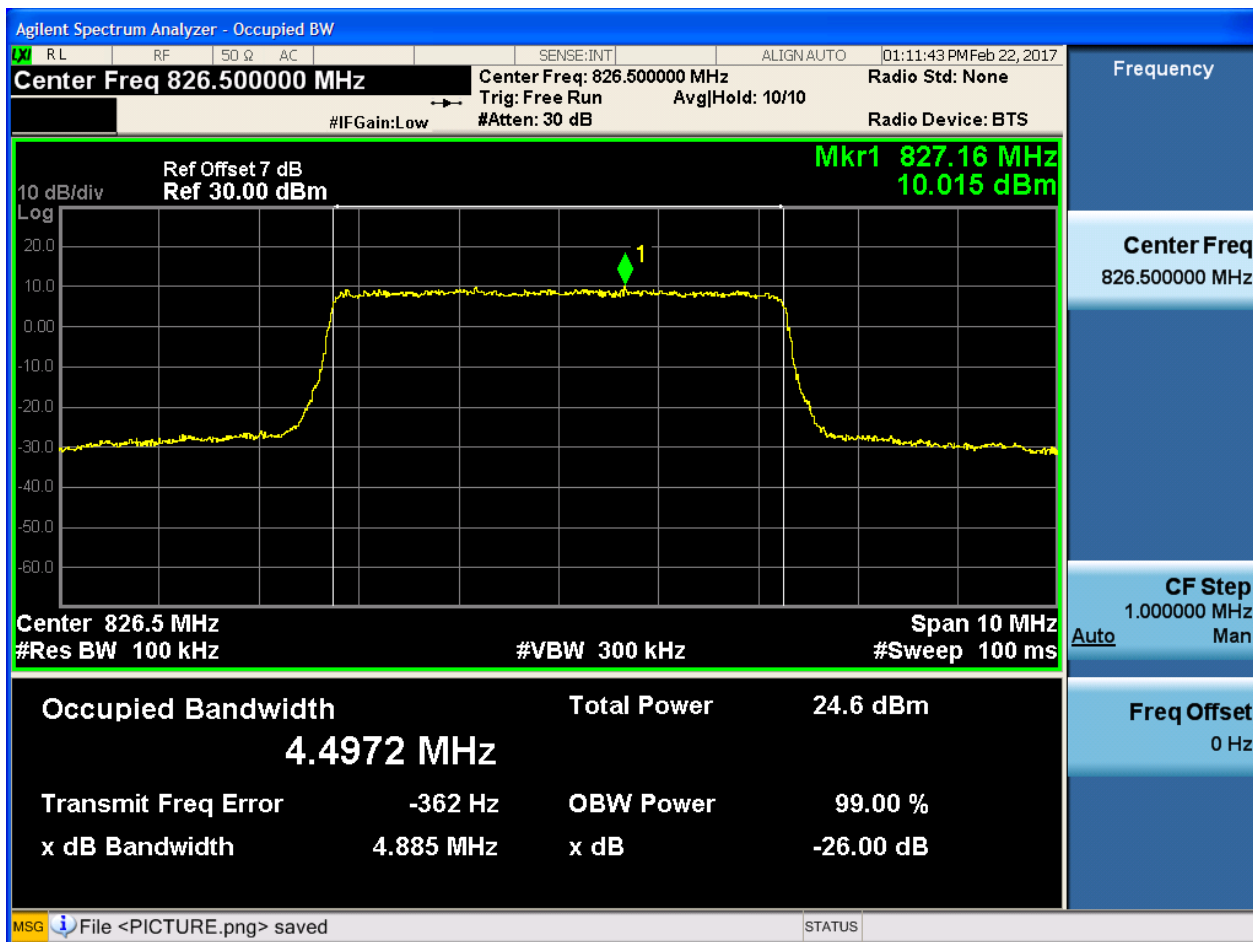




## 4.1.1.1.3 Test Bandwidth = 5

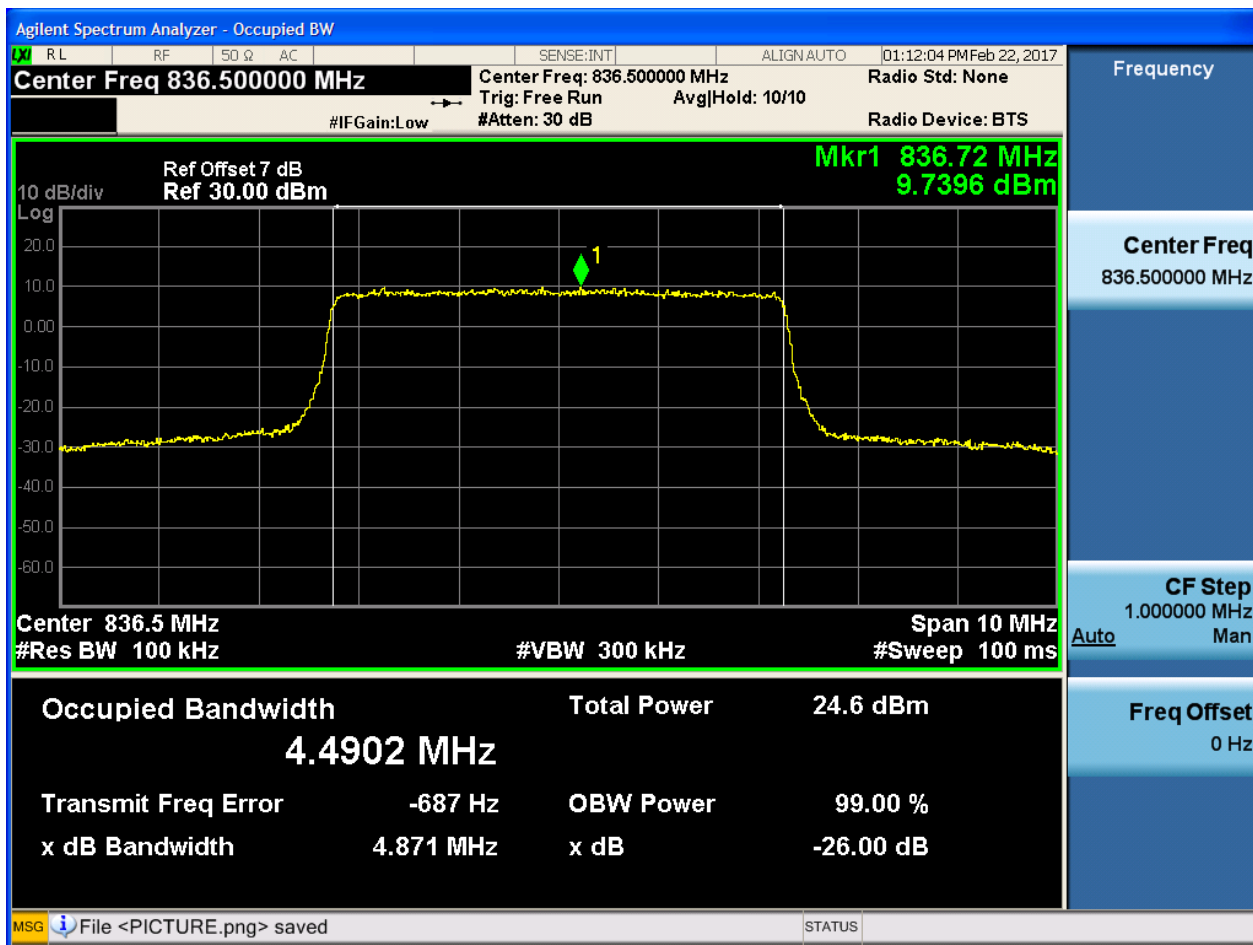
## 4.1.1.1.3.1 Test Channel = LCH

## 4.1.1.1.3.1.1 Test RB = RB25#0



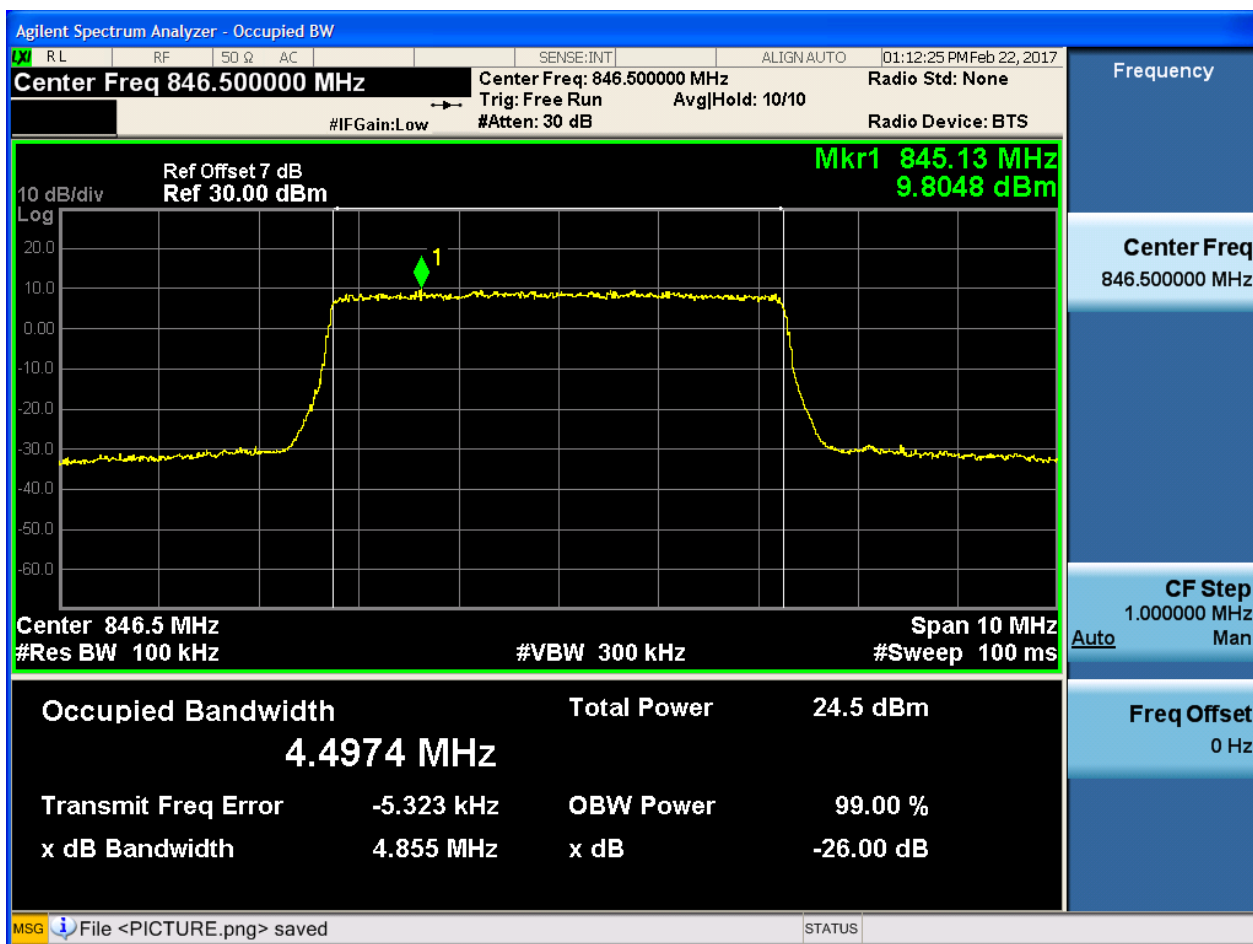
#### 4.1.1.1.3.2 Test Channel = MCH

##### 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

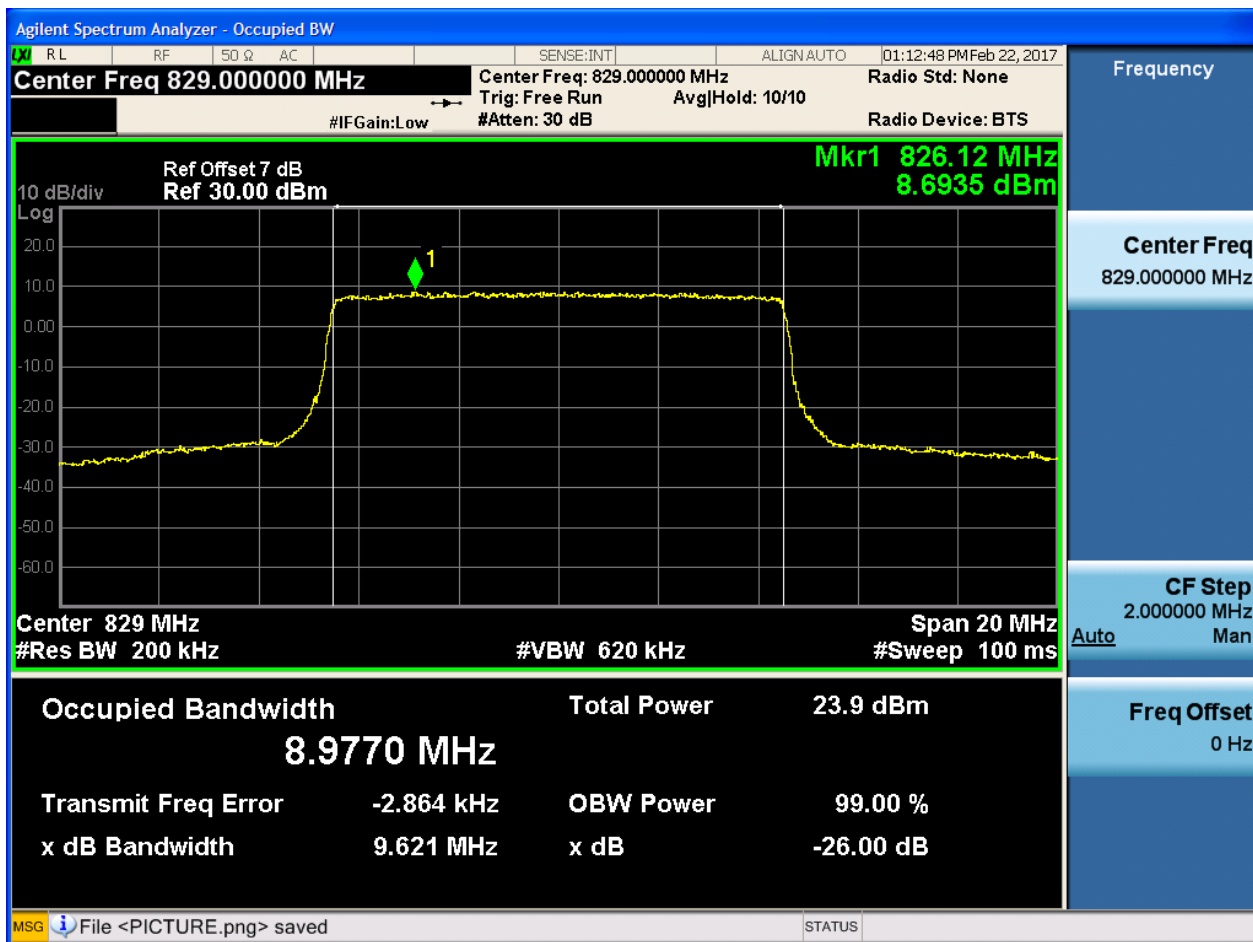




## 4.1.1.1.4 Test Bandwidth = 10

## 4.1.1.1.4.1 Test Channel = LCH

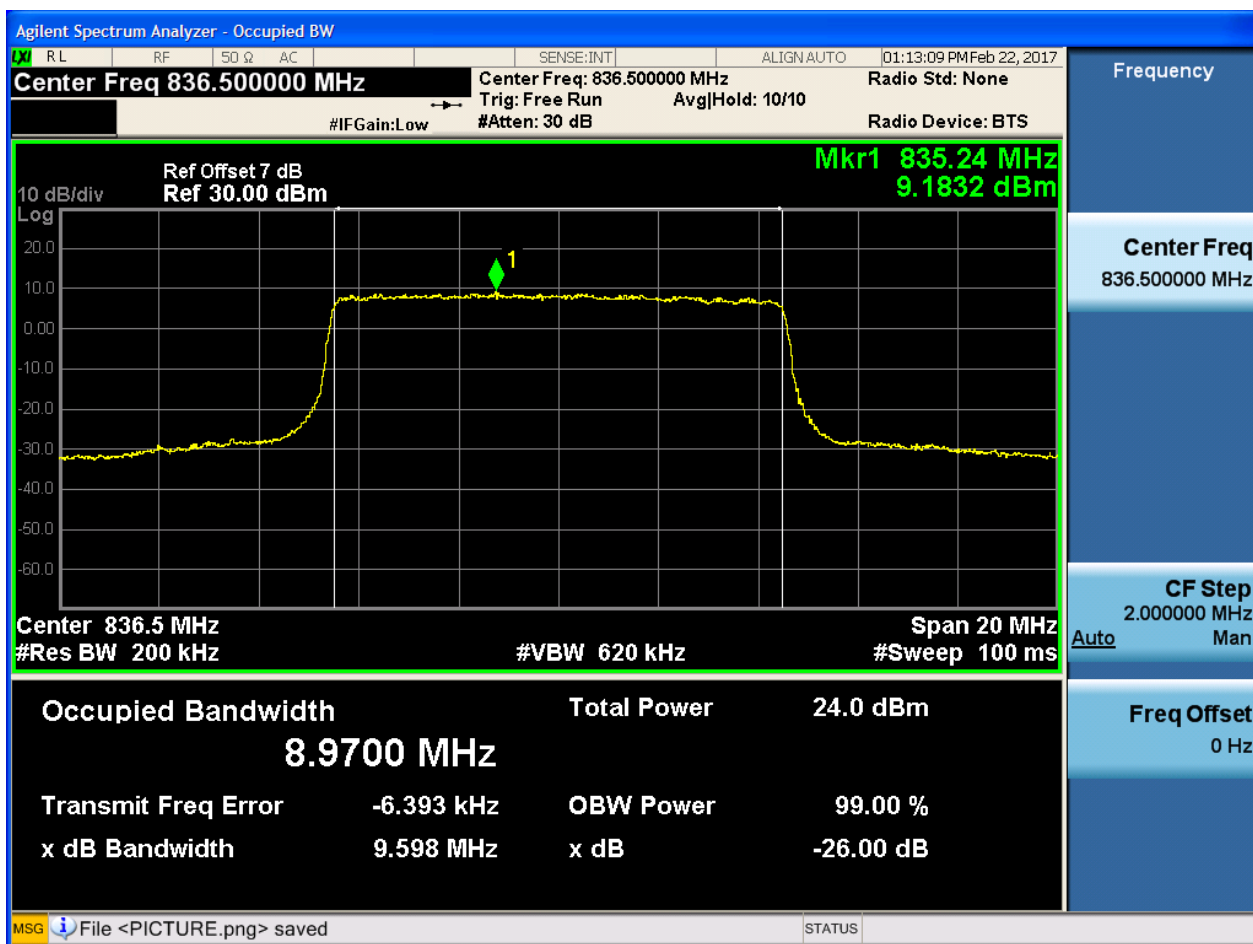
## 4.1.1.1.4.1.1 Test RB = RB50#0





## 4.1.1.1.4.2 Test Channel = MCH

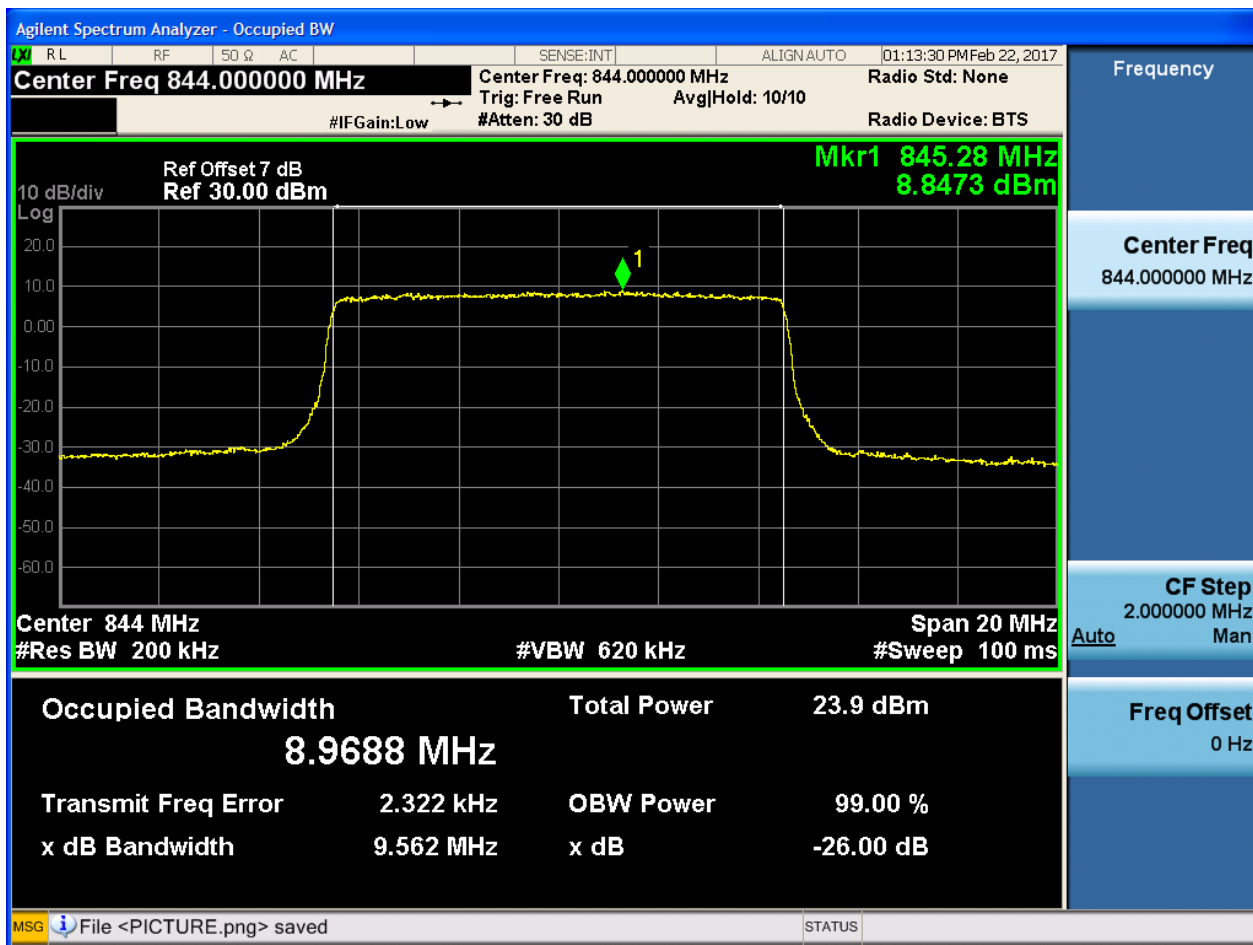
## 4.1.1.1.4.2.1 Test RB = RB50#0





## 4.1.1.1.4.3 Test Channel = HCH

## 4.1.1.1.4.3.1 Test RB = RB50#0



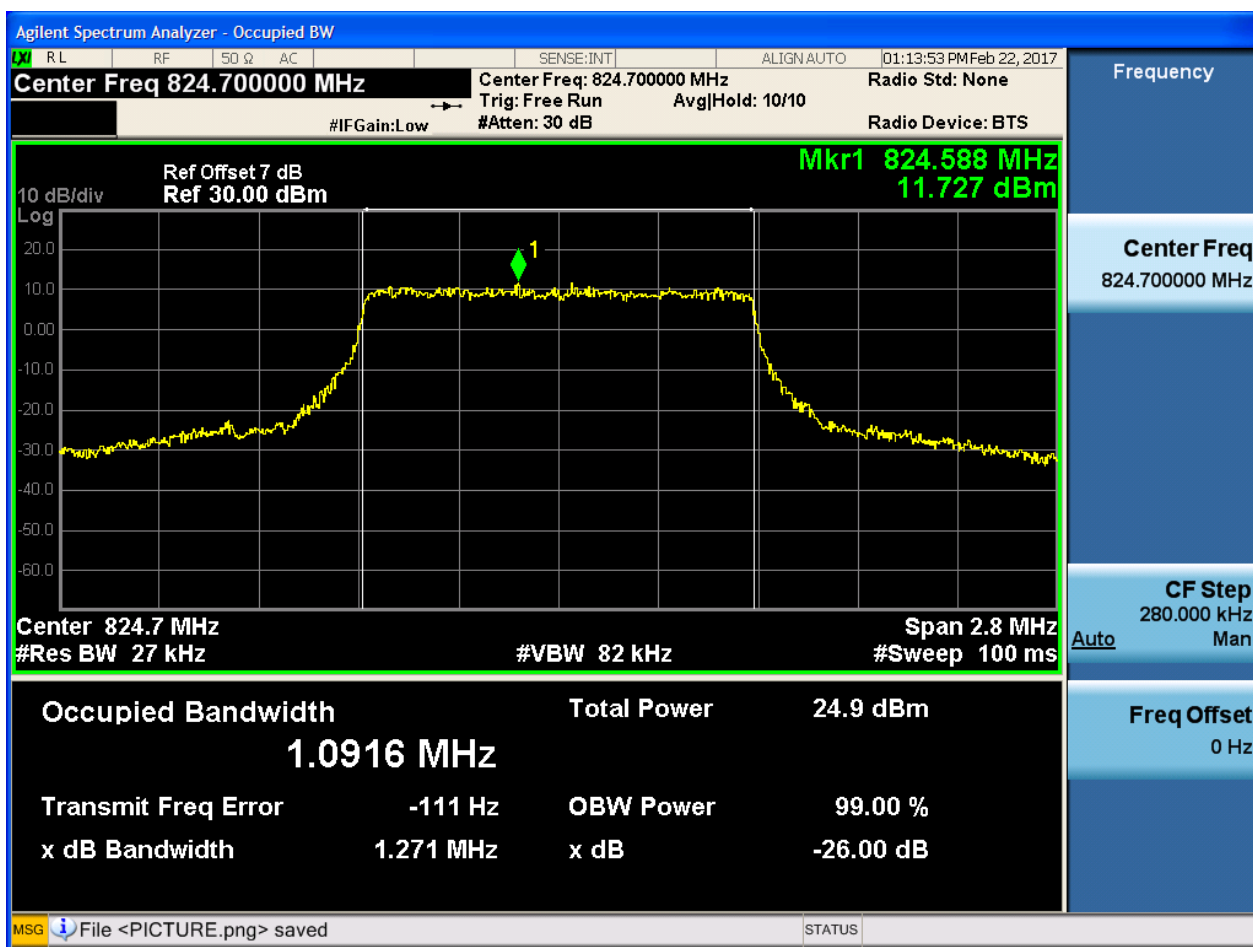


## 4.1.1.2 Test Mode = LTE/TM2

## 4.1.1.2.1 Test Bandwidth = 1.4

## 4.1.1.2.1.1 Test Channel = LCH

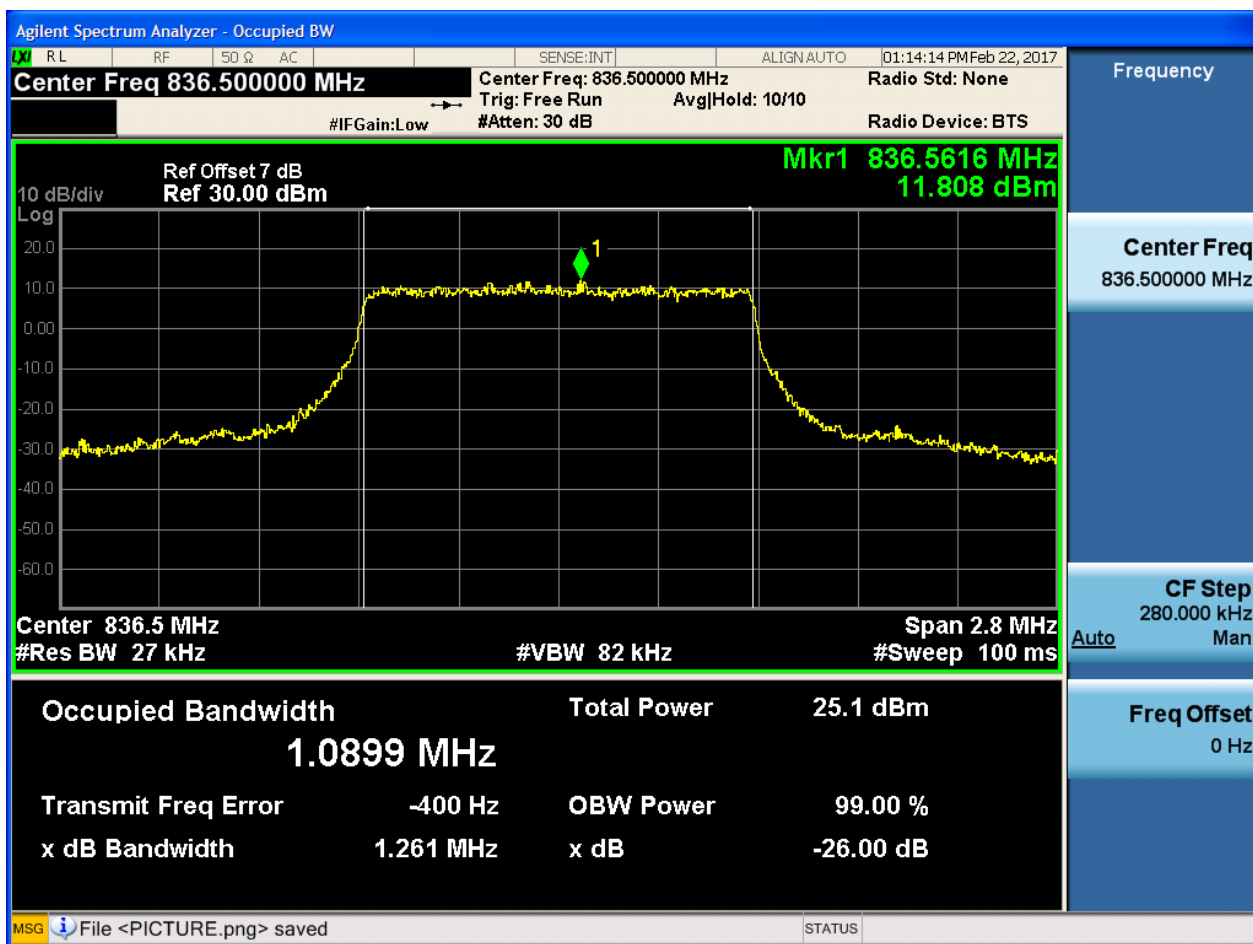
## 4.1.1.2.1.1.1 Test RB = RB6#0





## 4.1.1.2.1.2 Test Channel = MCH

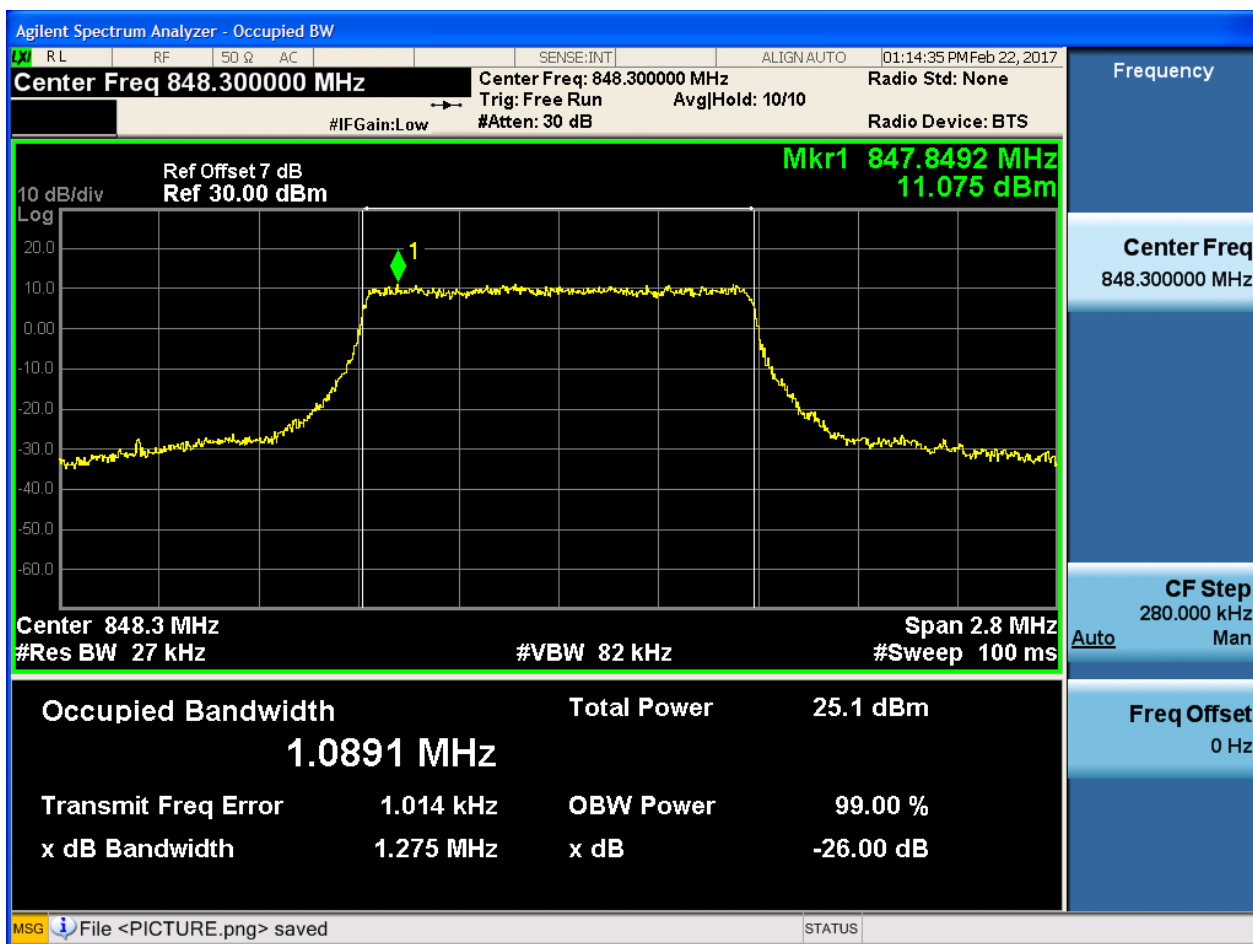
## 4.1.1.2.1.2.1 Test RB = RB6#0





## 4.1.1.2.1.3 Test Channel = HCH

## 4.1.1.2.1.3.1 Test RB = RB6#0

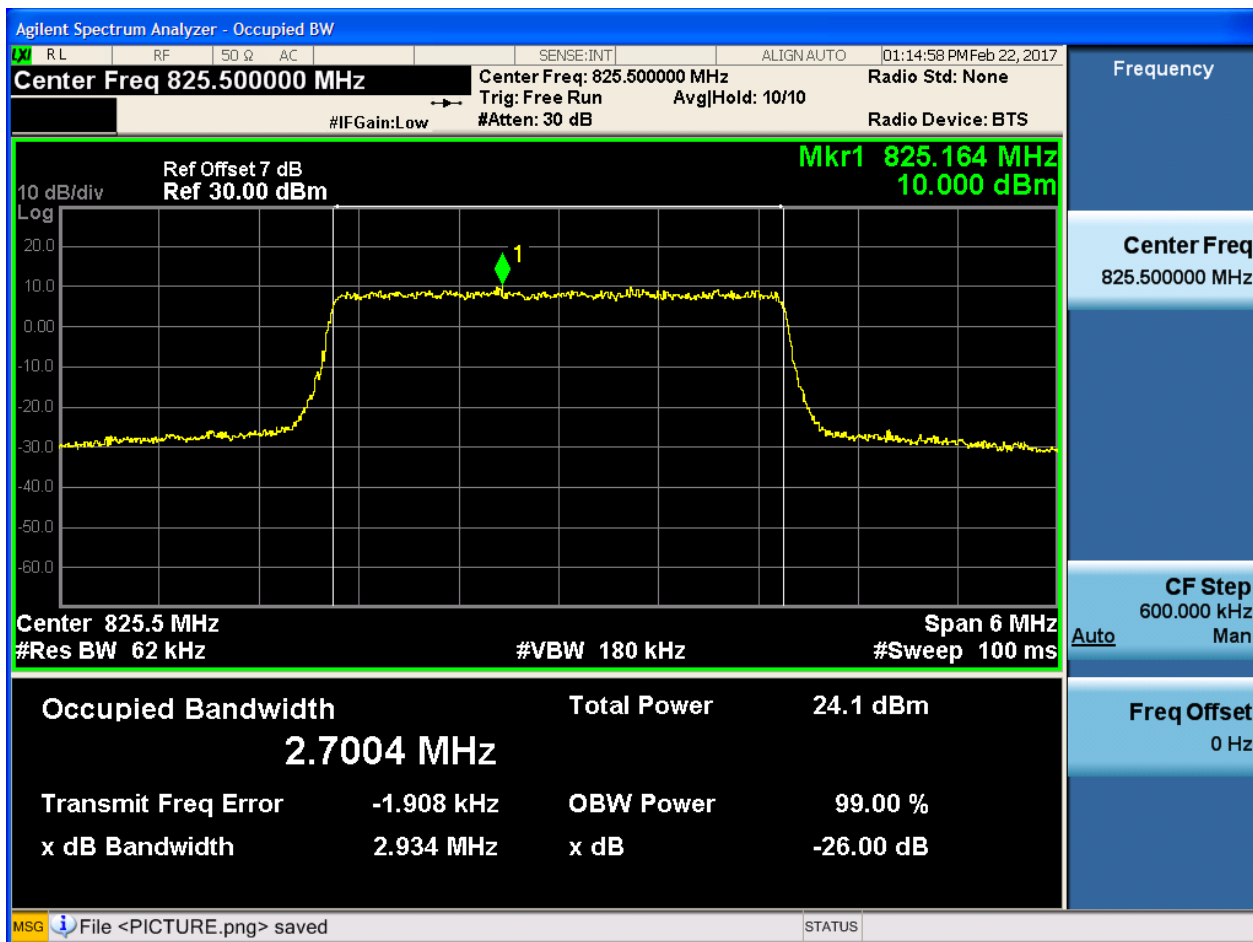




## 4.1.1.2.2 Test Bandwidth = 3

## 4.1.1.2.2.1 Test Channel = LCH

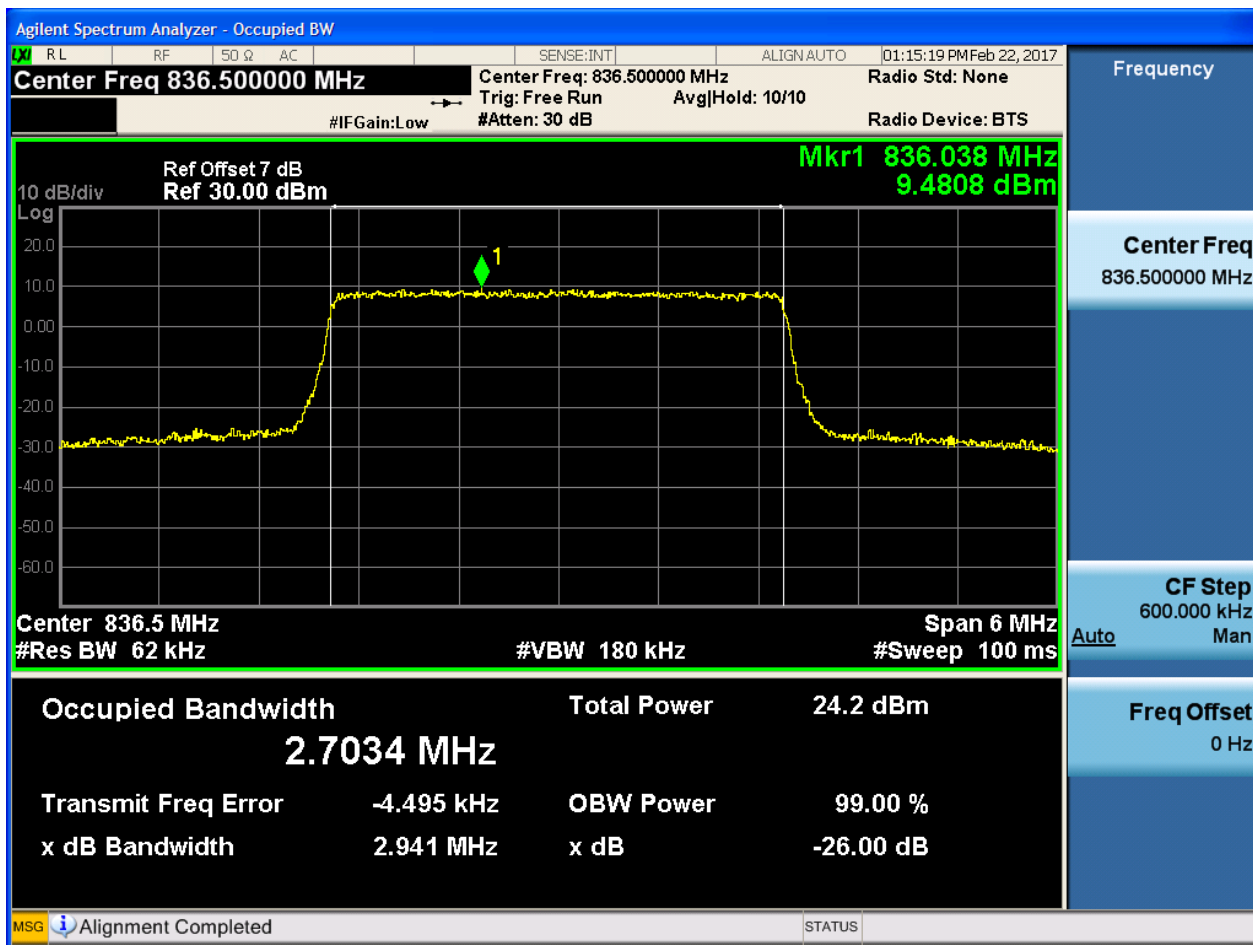
## 4.1.1.2.2.1.1 Test RB = RB15#0





## 4.1.1.2.2.2 Test Channel = MCH

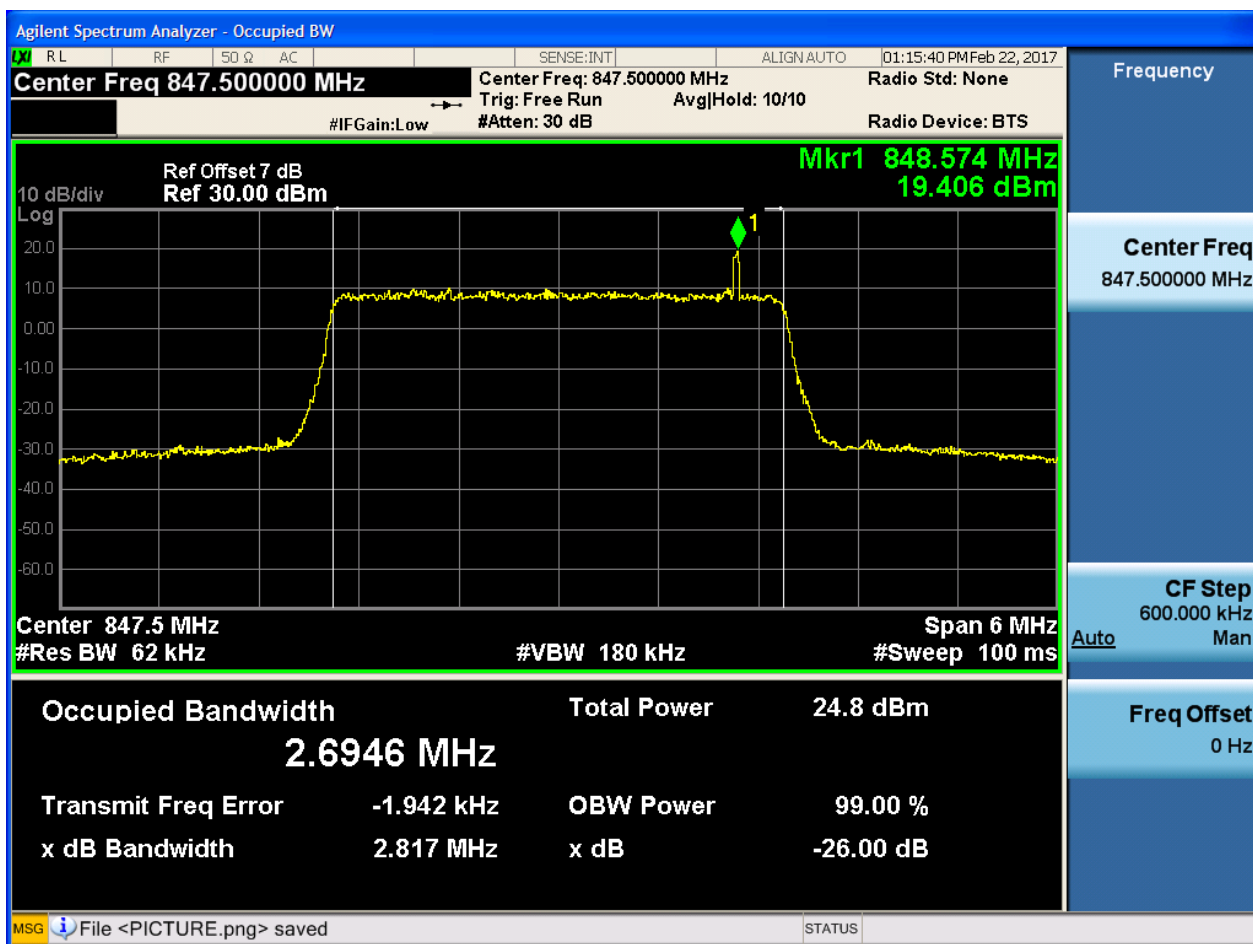
## 4.1.1.2.2.2.1 Test RB = RB15#0





## 4.1.1.2.2.3 Test Channel = HCH

## 4.1.1.2.2.3.1 Test RB = RB15#0

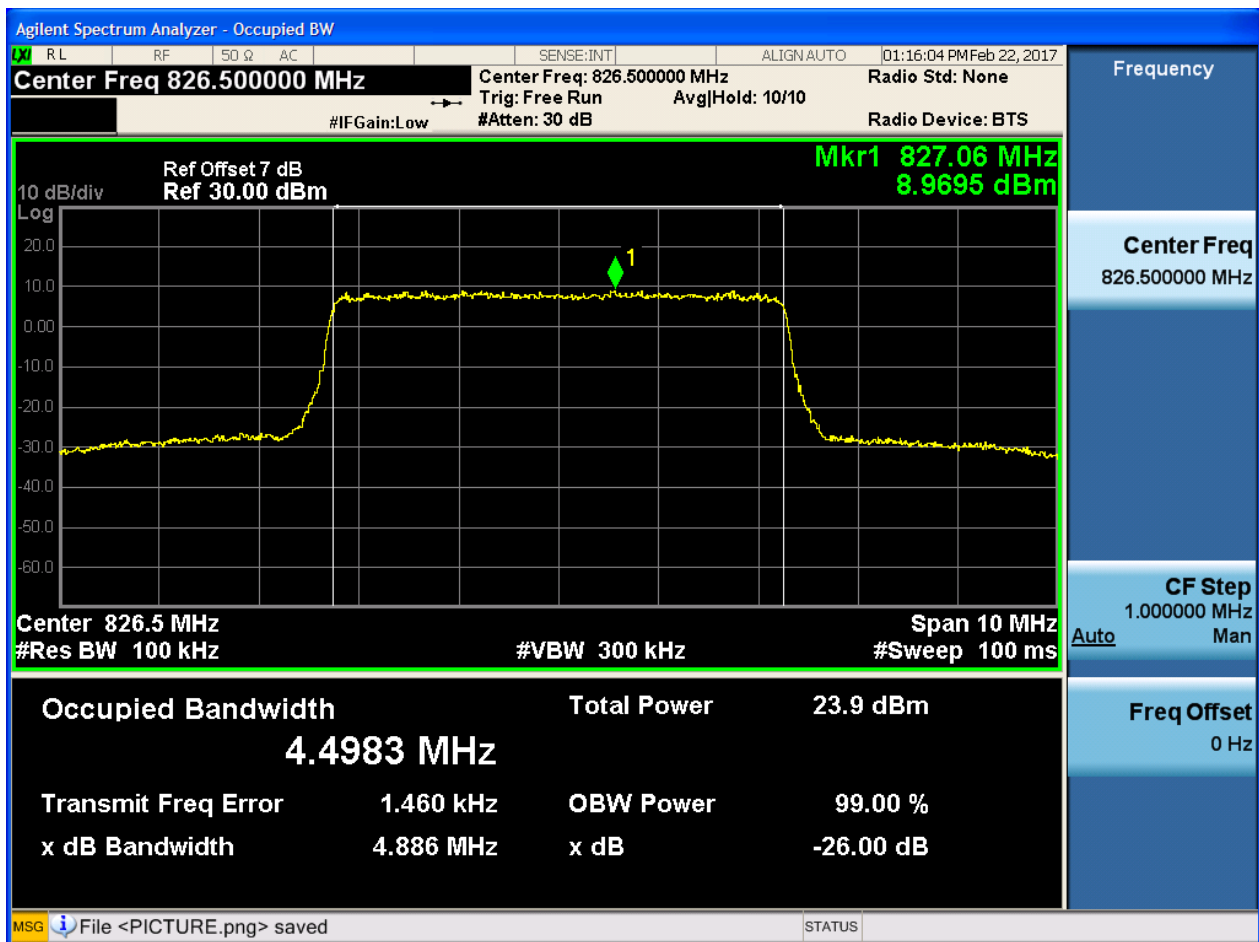




## 4.1.1.2.3 Test Bandwidth = 5

## 4.1.1.2.3.1 Test Channel = LCH

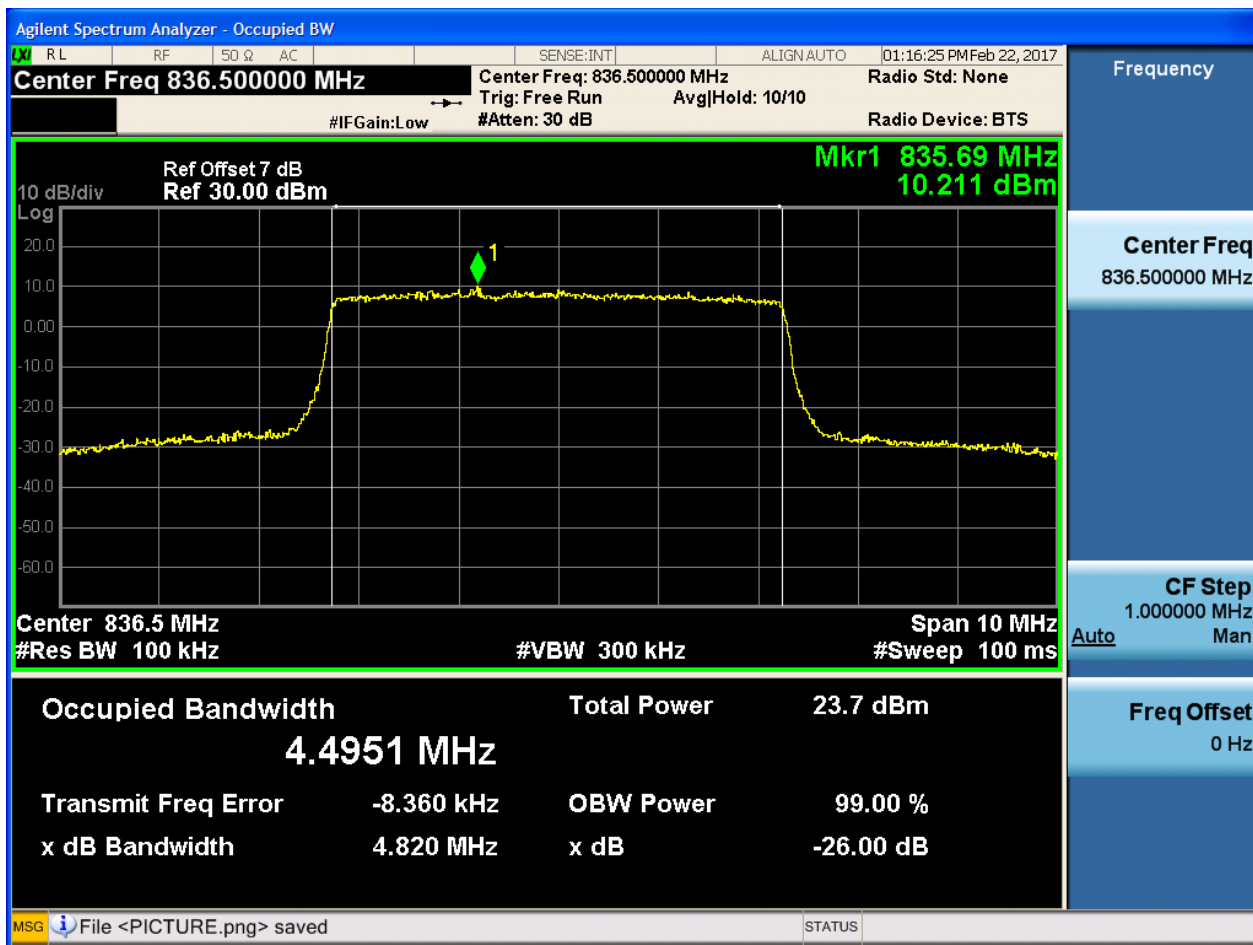
## 4.1.1.2.3.1.1 Test RB = RB25#0





## 4.1.1.2.3.2 Test Channel = MCH

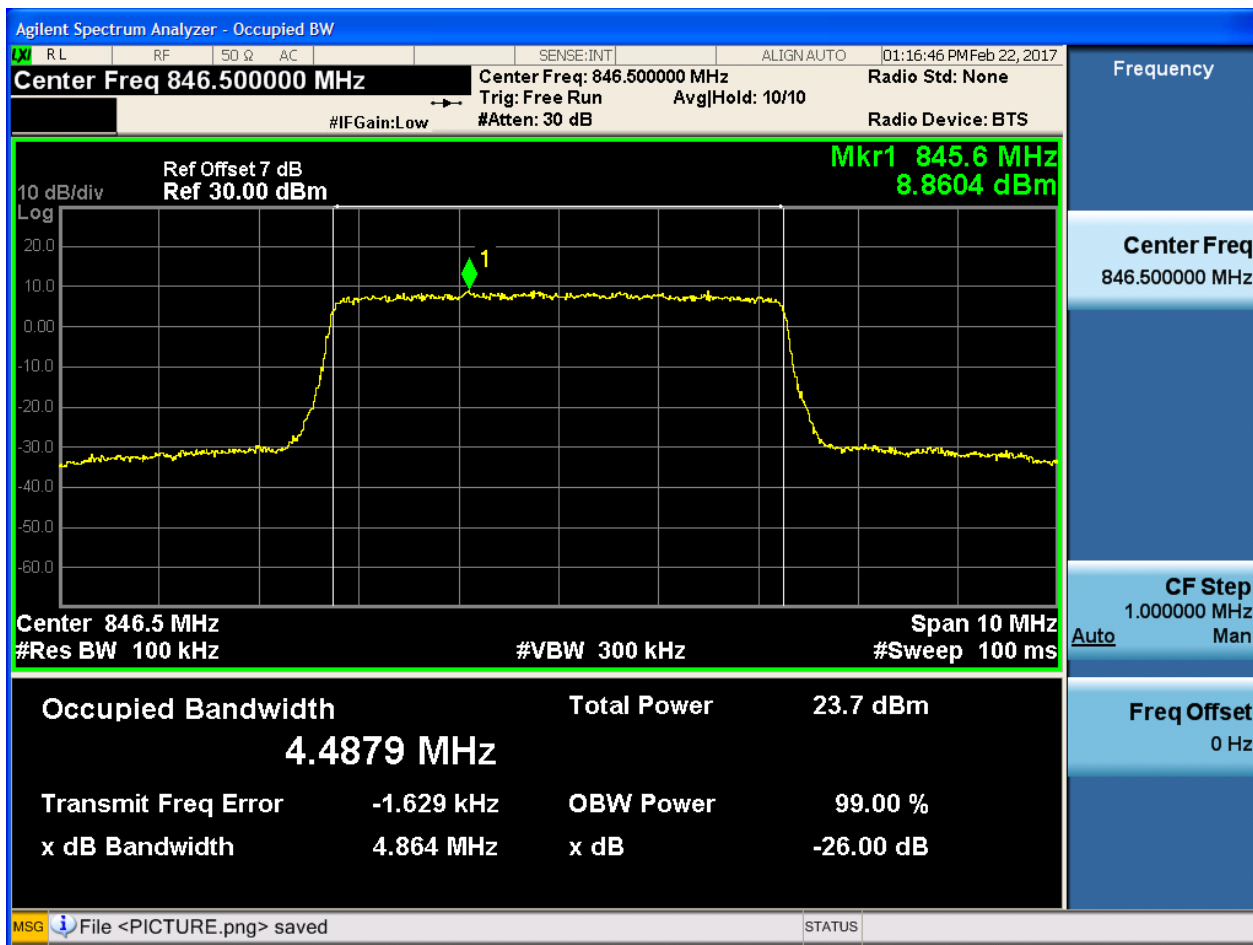
## 4.1.1.2.3.2.1 Test RB = RB25#0





## 4.1.1.2.3.3 Test Channel = HCH

## 4.1.1.2.3.3.1 Test RB = RB25#0

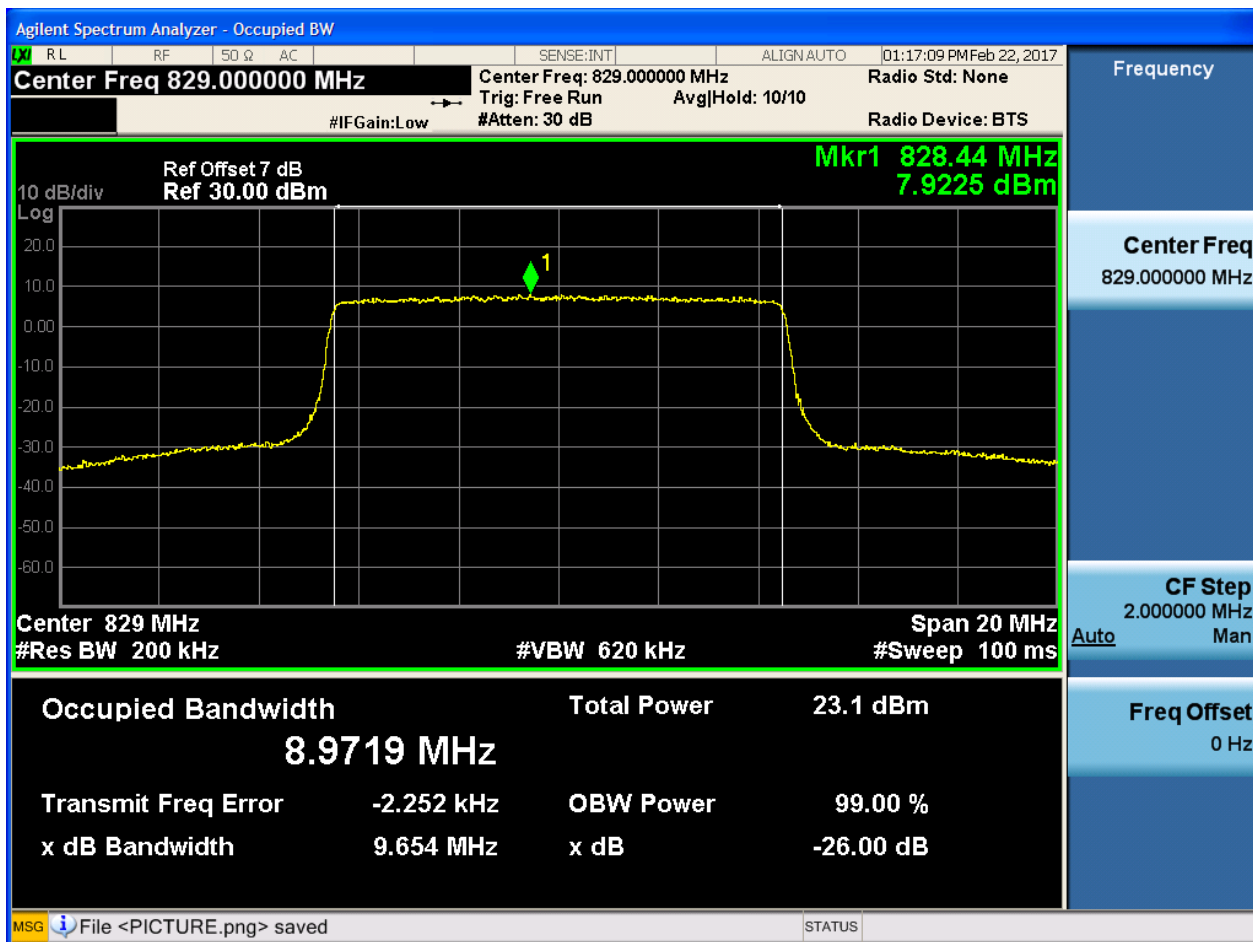




## 4.1.1.2.4 Test Bandwidth = 10

## 4.1.1.2.4.1 Test Channel = LCH

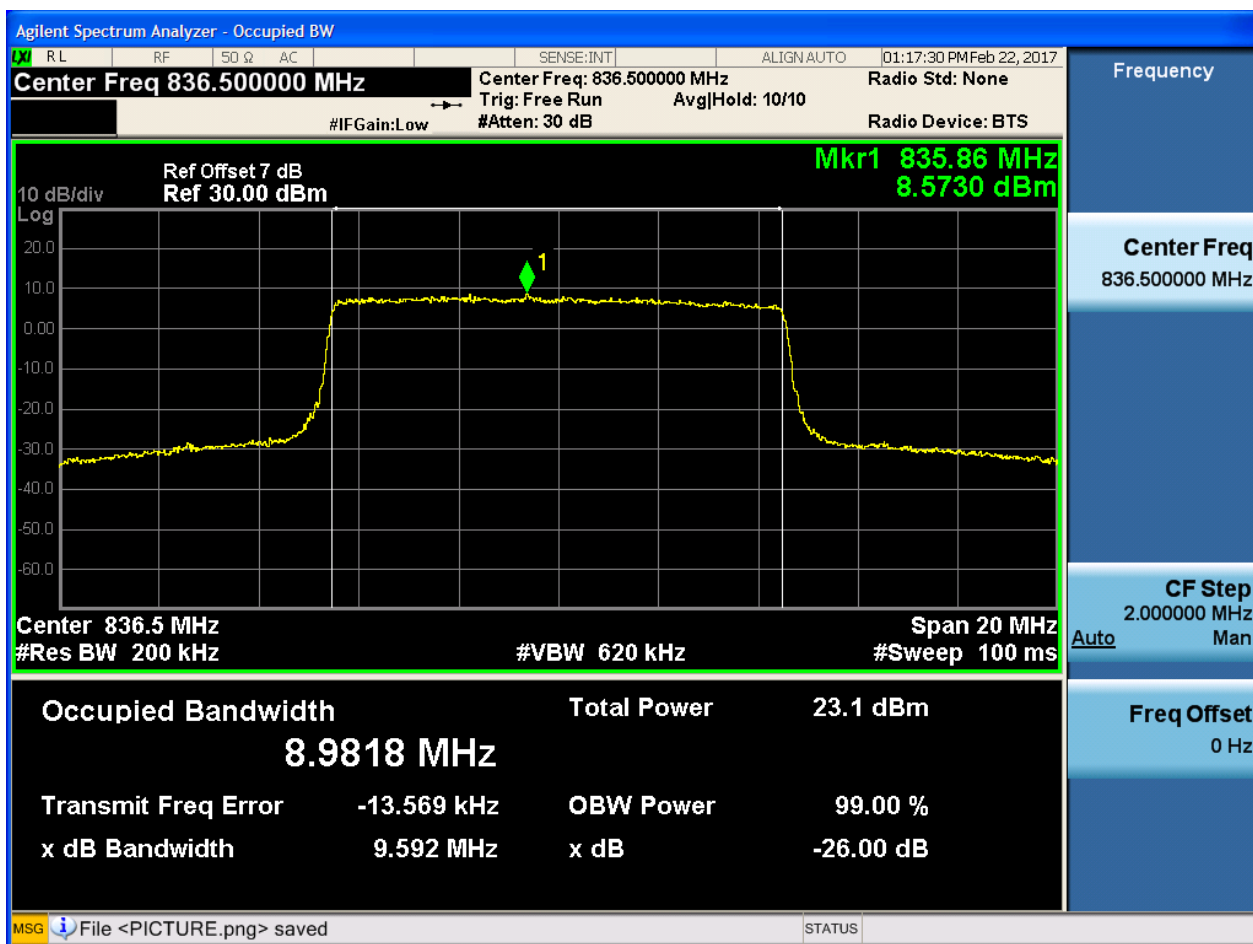
## 4.1.1.2.4.1.1 Test RB = RB50#0





## 4.1.1.2.4.2 Test Channel = MCH

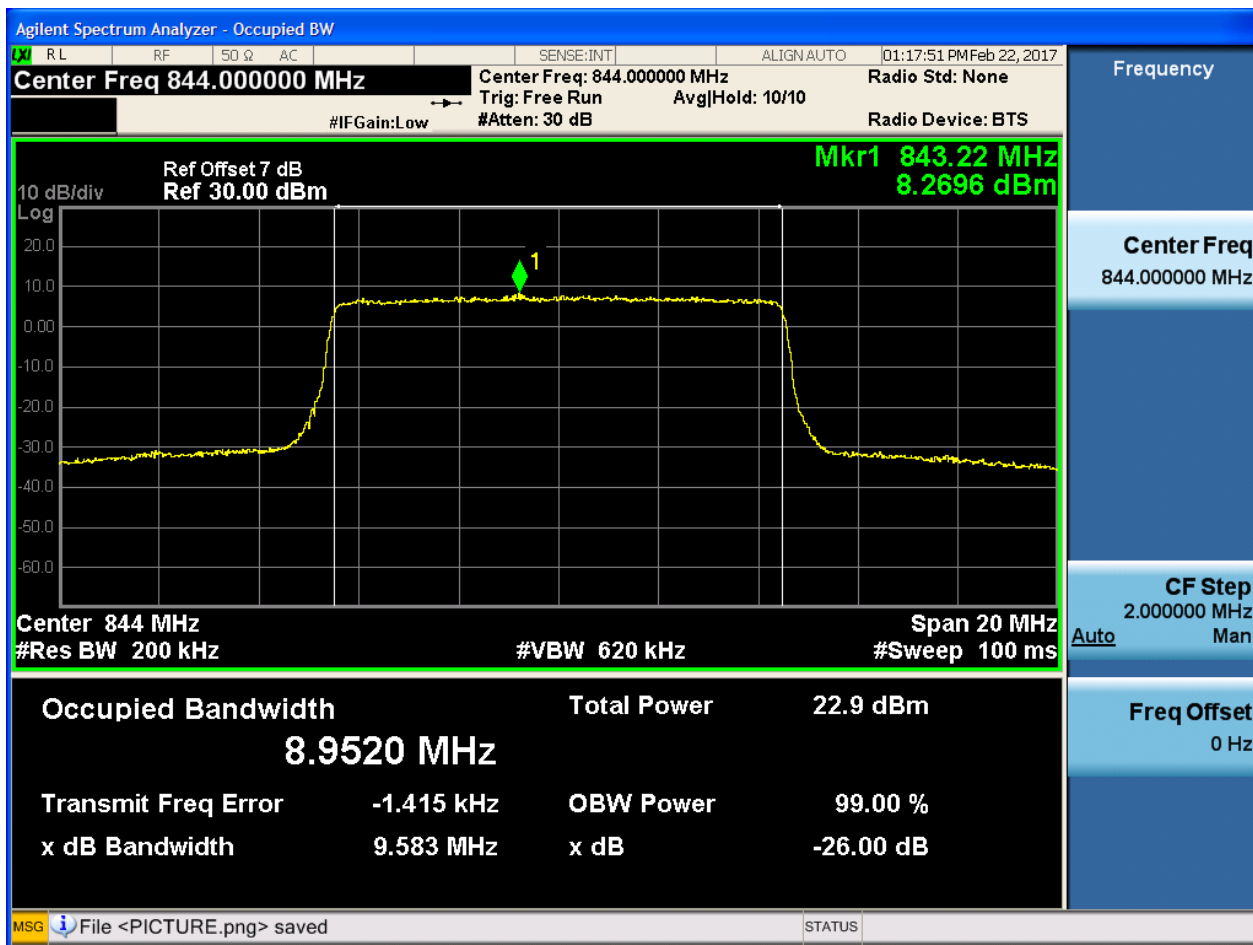
## 4.1.1.2.4.2.1 Test RB = RB50#0





## 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

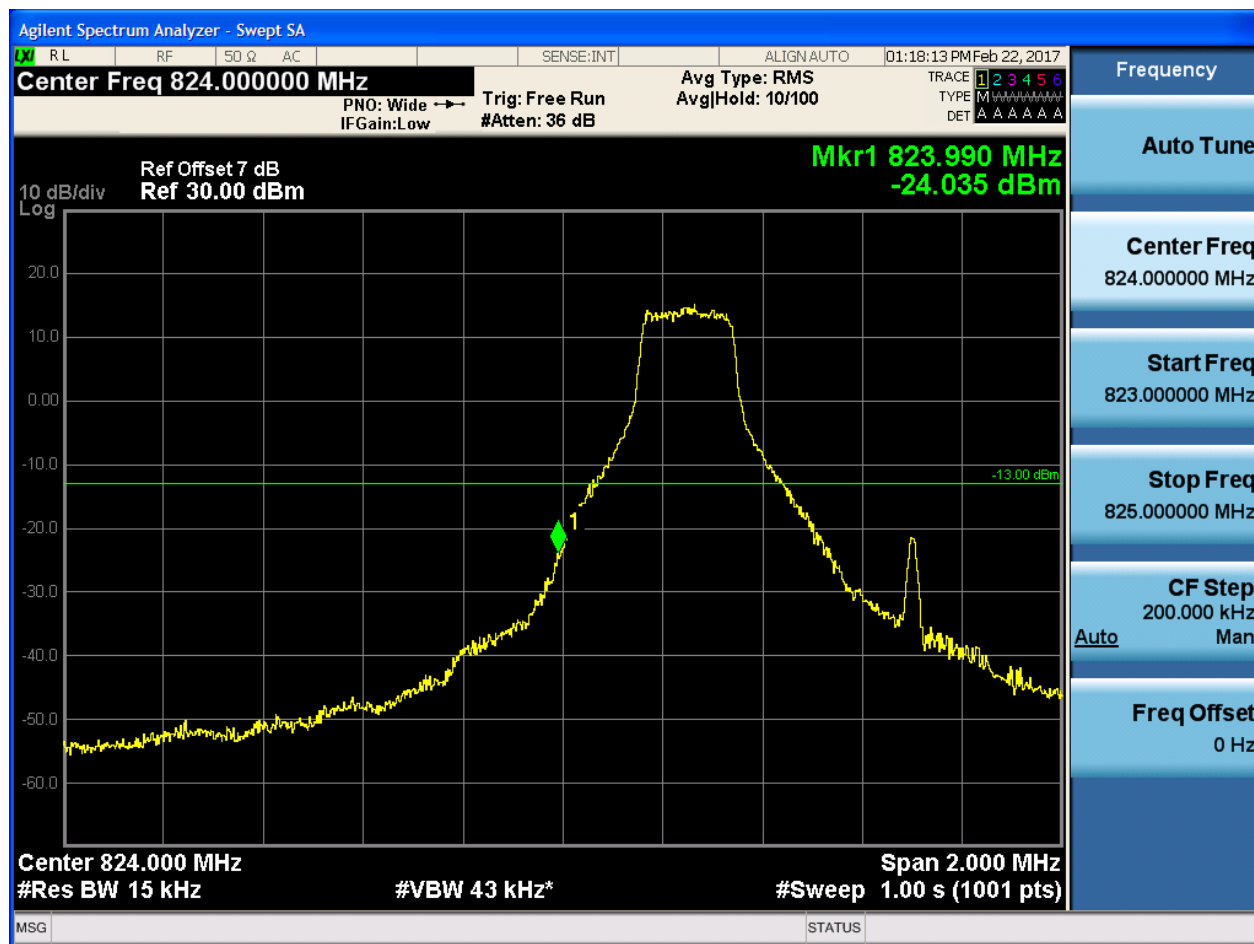
##### 5.1.1 Test Band = BAND5

##### 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





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 824.000 MHz  
-34.130 dBm

Center 824.000 MHz  
#Res BW 15 kHz

#VBW 43 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq  
824.000000 MHz

Start Freq  
823.000000 MHz

Stop Freq  
825.000000 MHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz



## 5.1.1.1.1.4 Test RB = RB6#0





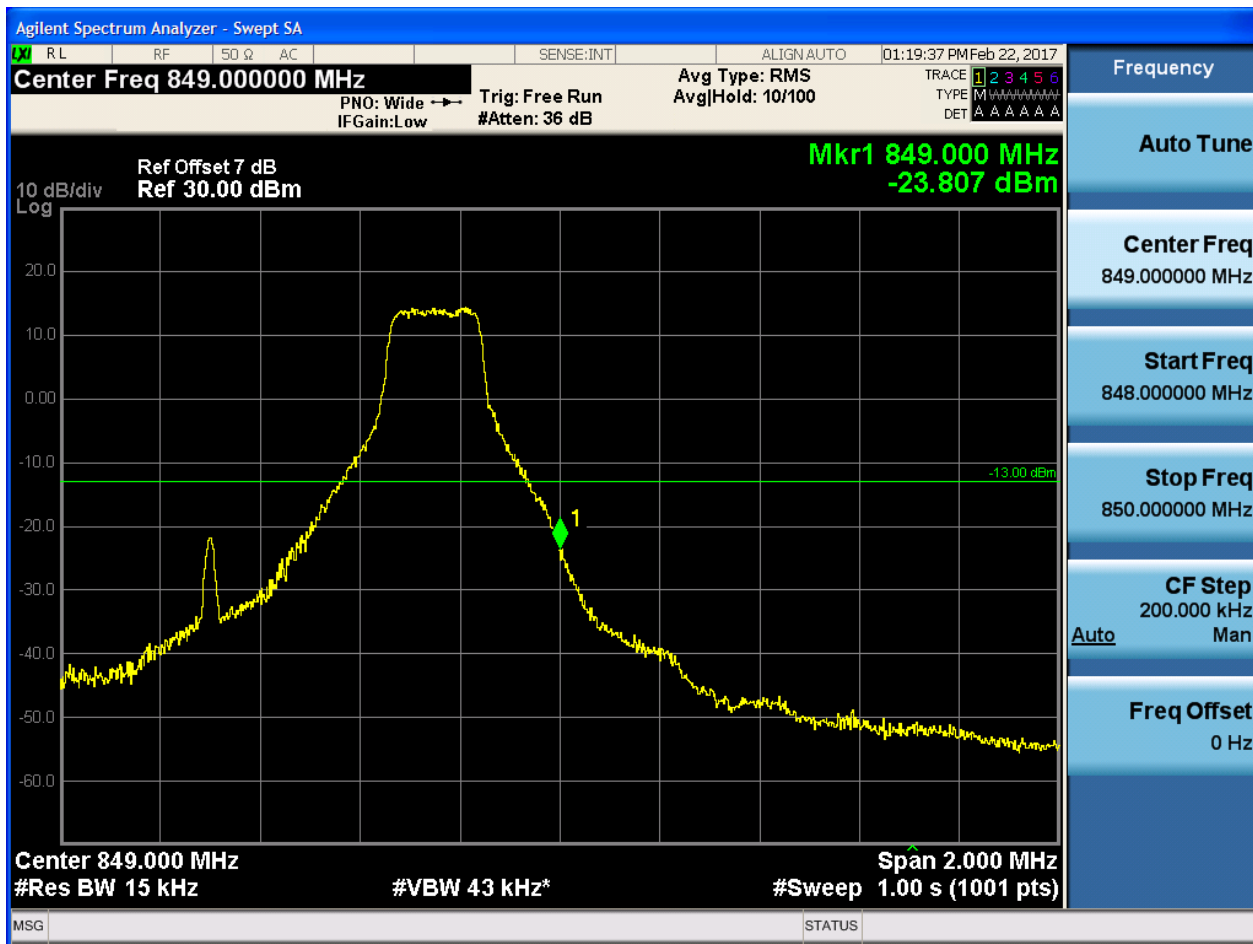
## 5.1.1.1.1.2 Test Channel = HCH

## 5.1.1.1.1.2.1 Test RB = RB1#0





## 5.1.1.1.2.2 Test RB = RB1#5





## 5.1.1.1.2.3 Test RB = RB3#2





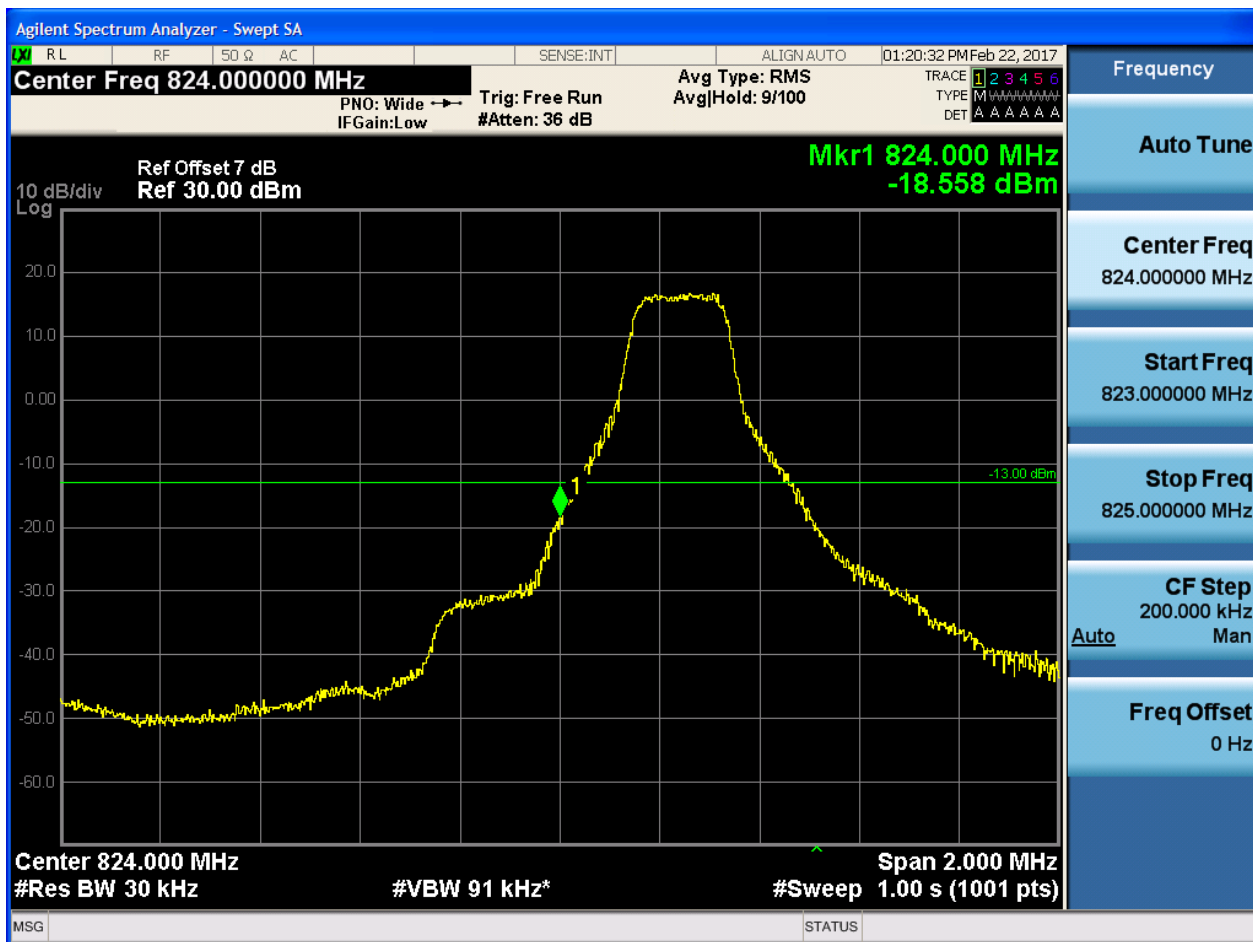
## 5.1.1.1.2.4 Test RB = RB6#0



### 5.1.1.1.2 Test Bandwidth = 3

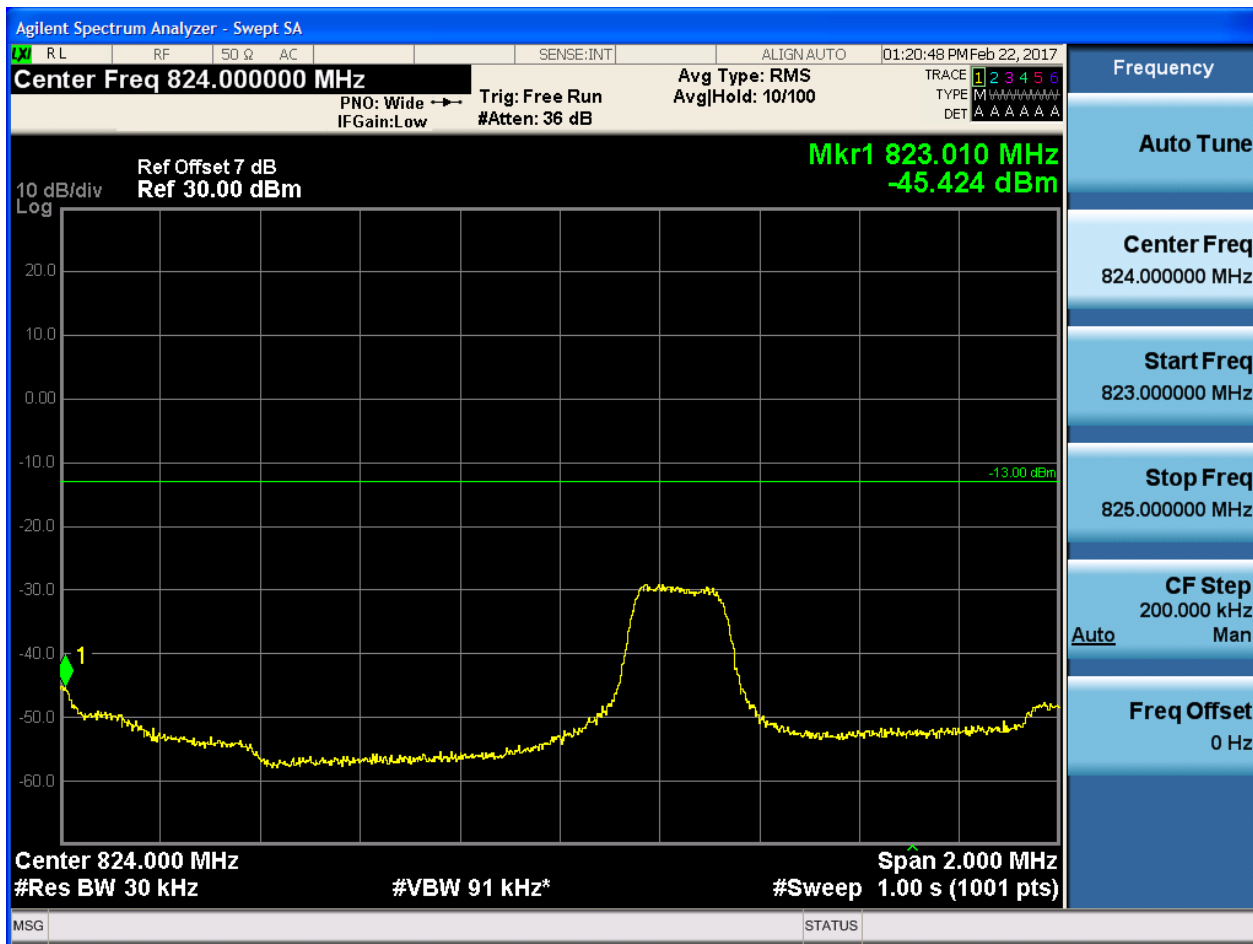
#### 5.1.1.1.2.1 Test Channel = LCH

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



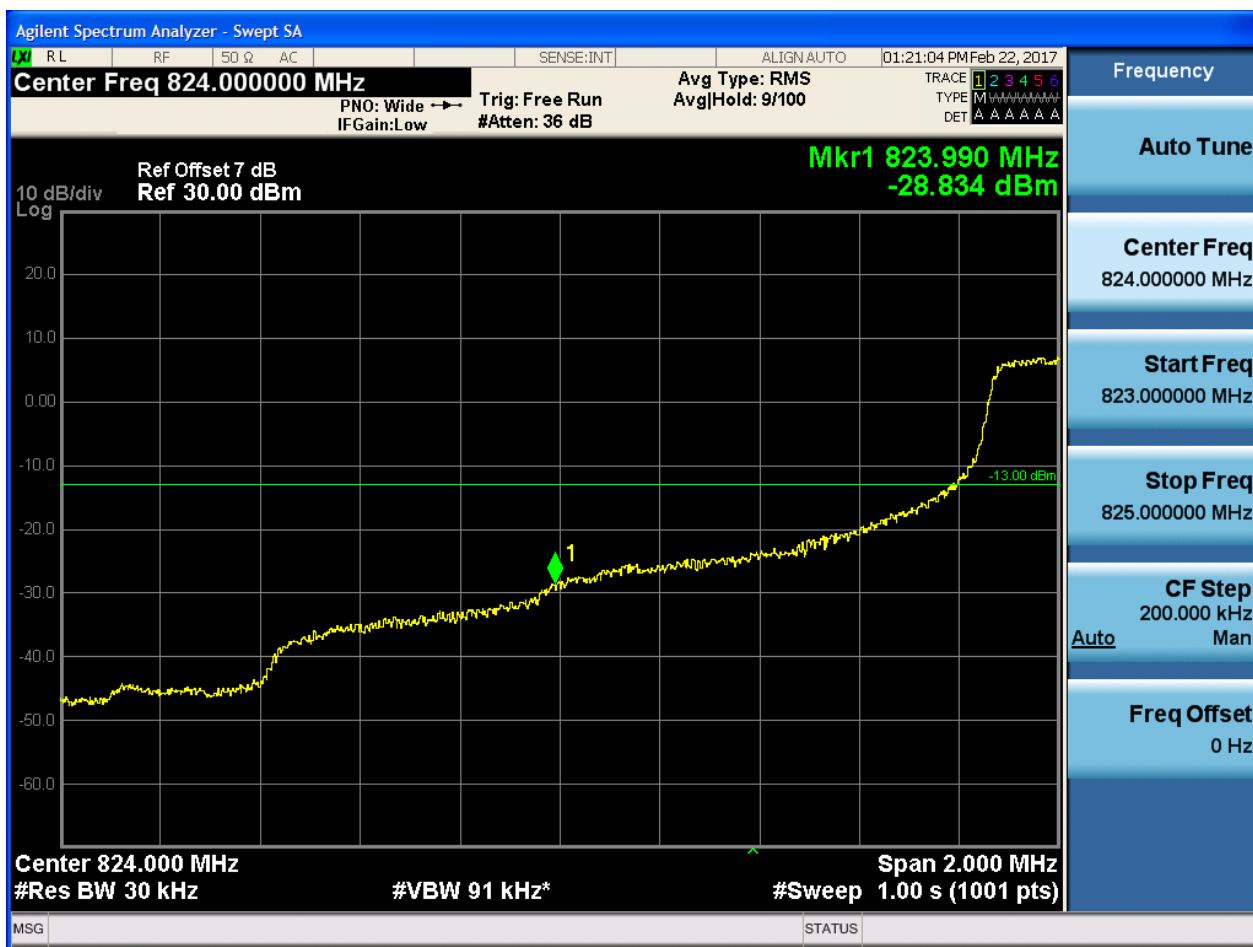


## 5.1.1.1.2.1.2 Test RB = RB1#14



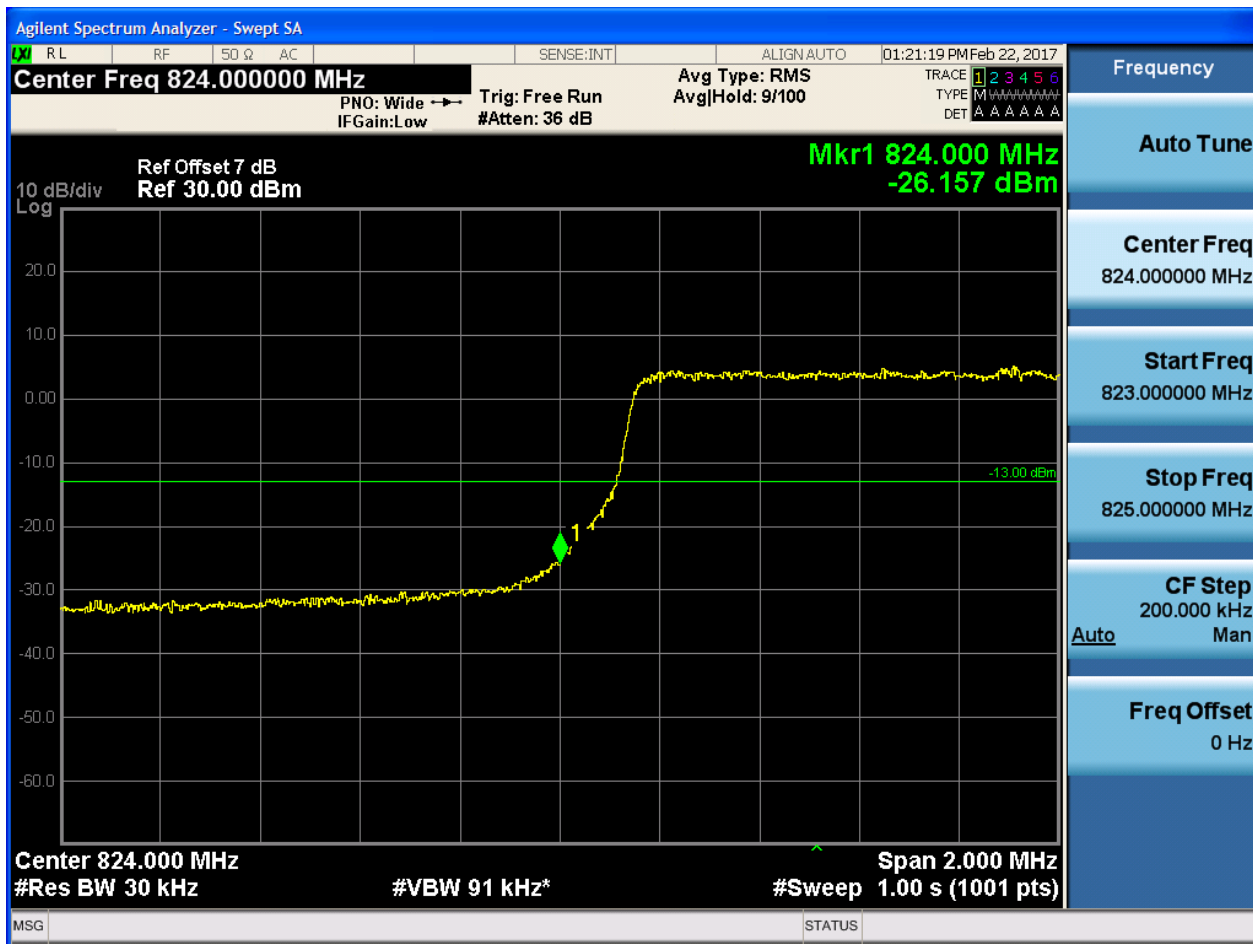


## 5.1.1.1.2.1.3 Test RB = RB8#4





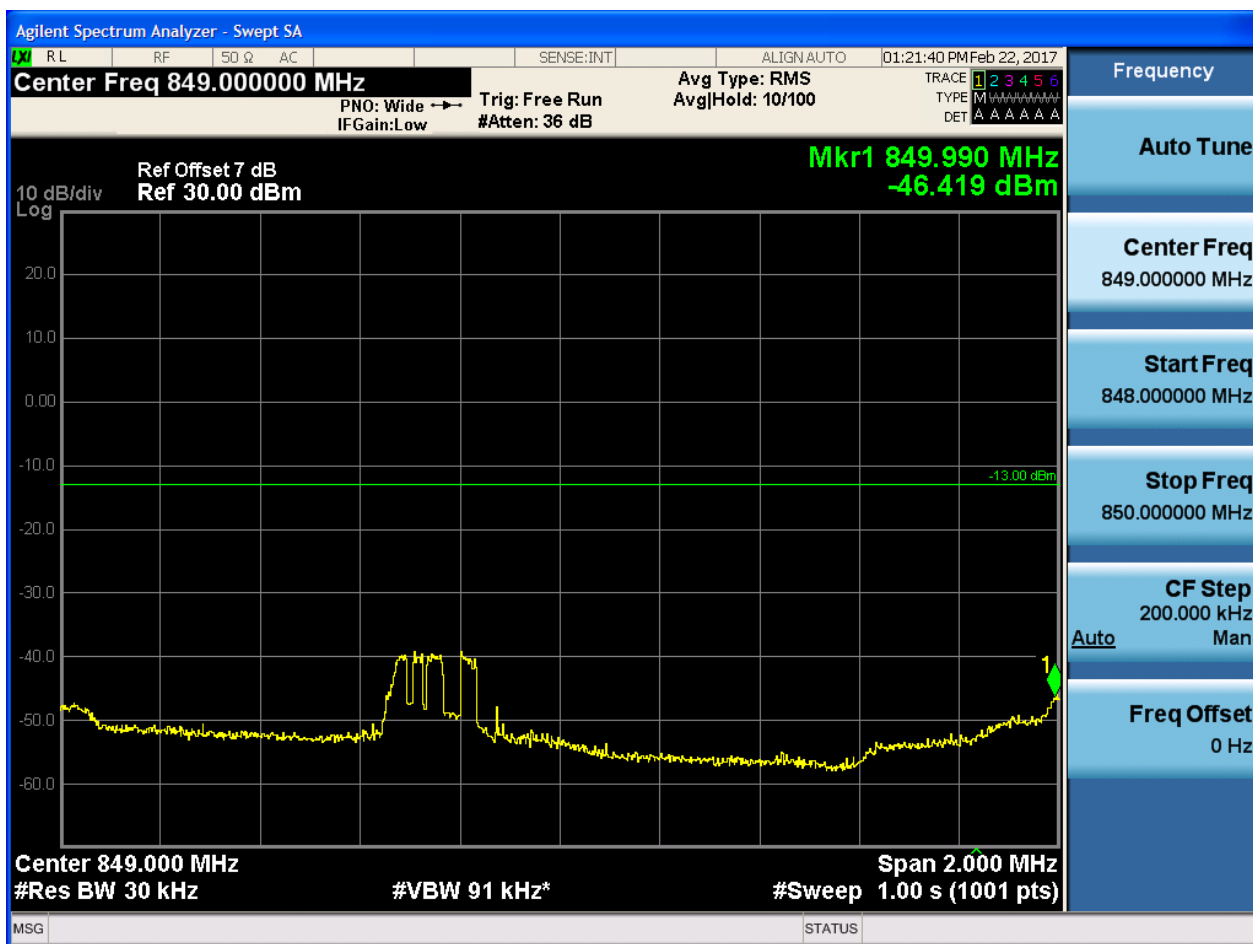
## 5.1.1.1.2.1.4 Test RB = RB15#0





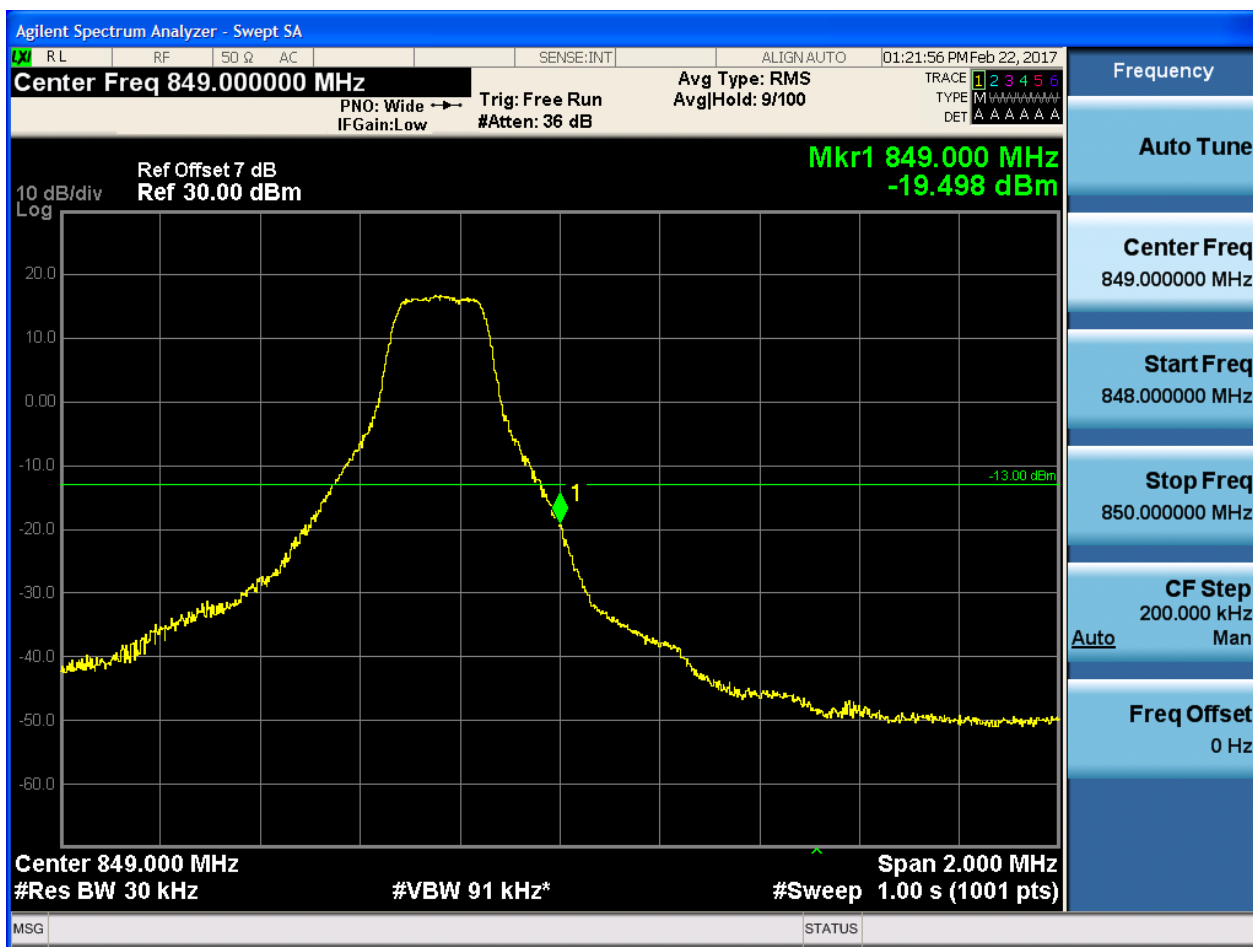
## 5.1.1.1.2.2 Test Channel = HCH

## 5.1.1.1.2.2.1 Test RB = RB1#0





## 5.1.1.1.2.2.2 Test RB = RB1#14



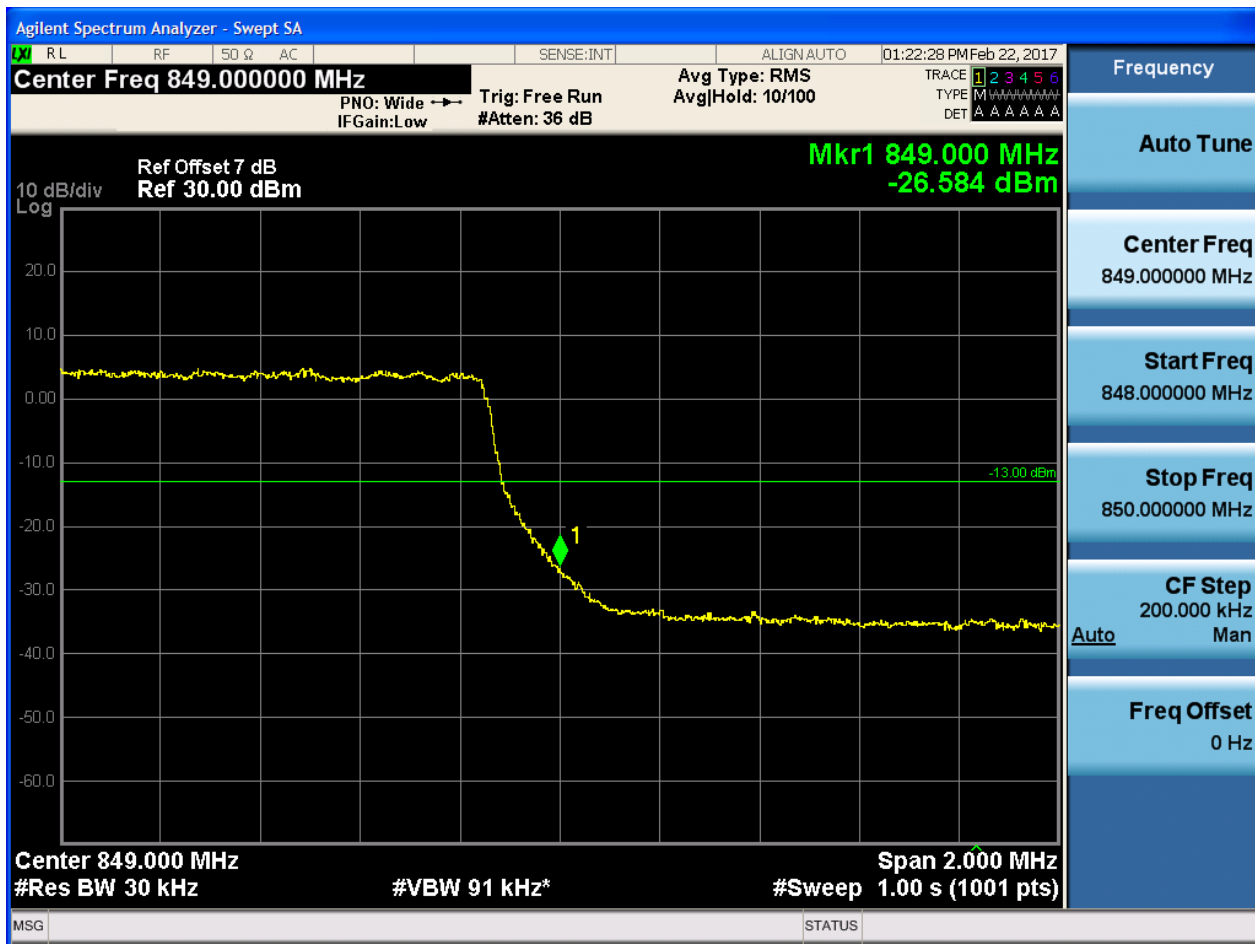


## 5.1.1.1.2.2.3 Test RB = RB8#4





## 5.1.1.1.2.2.4 Test RB = RB15#0

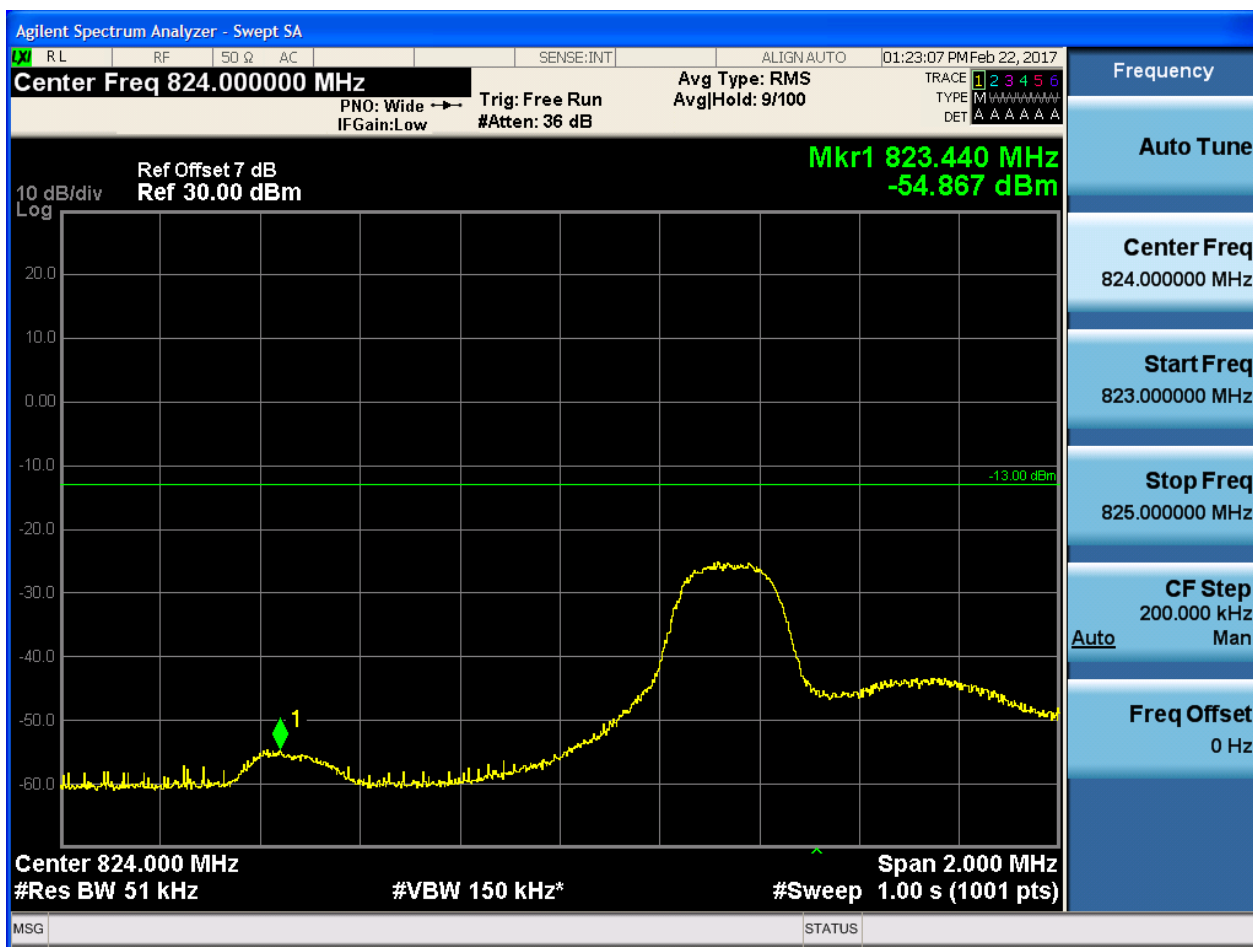




#### 5.1.1.1.3.1.1 Test RB = RB1#0

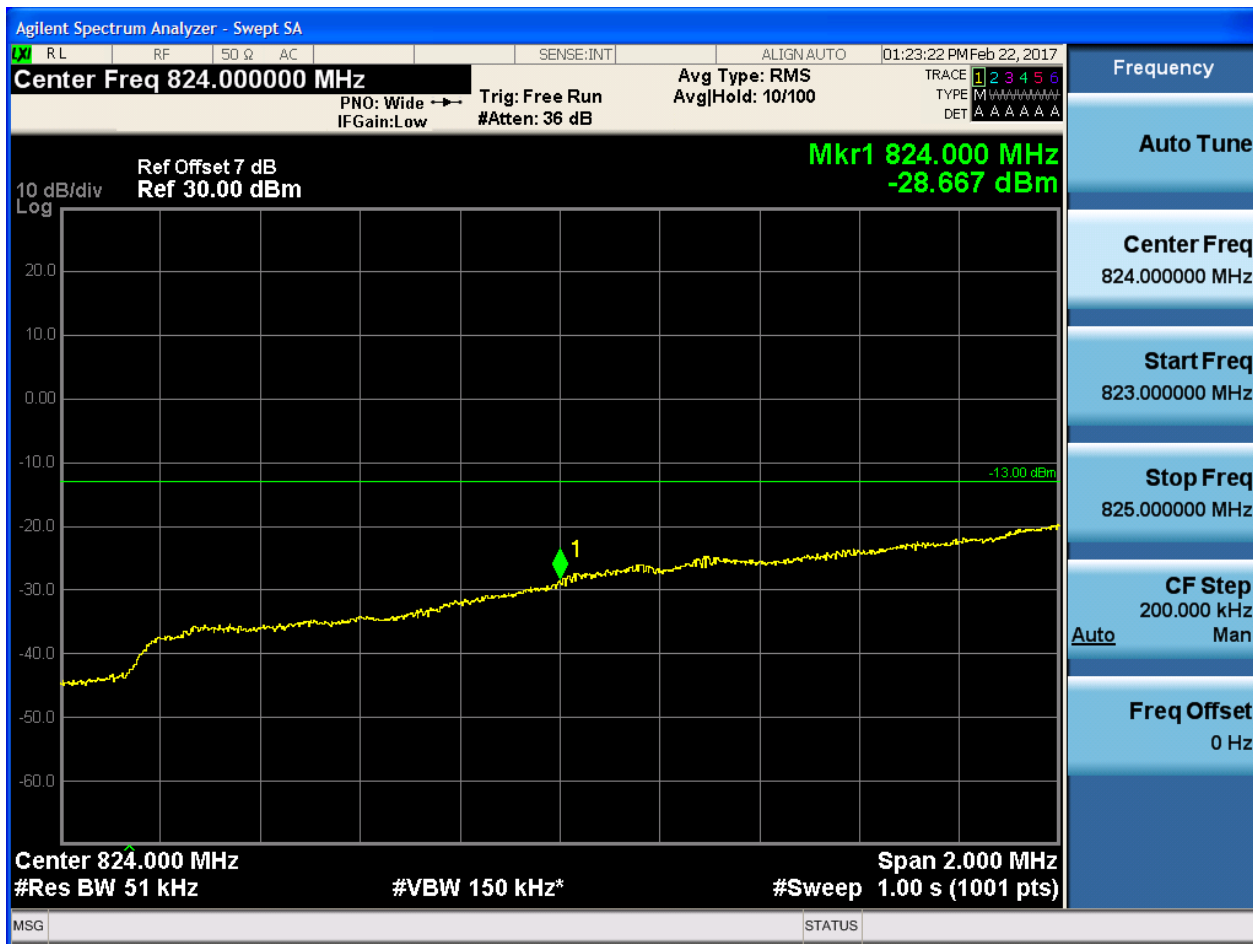


## 5.1.1.1.3.1.2 Test RB = RB1#24



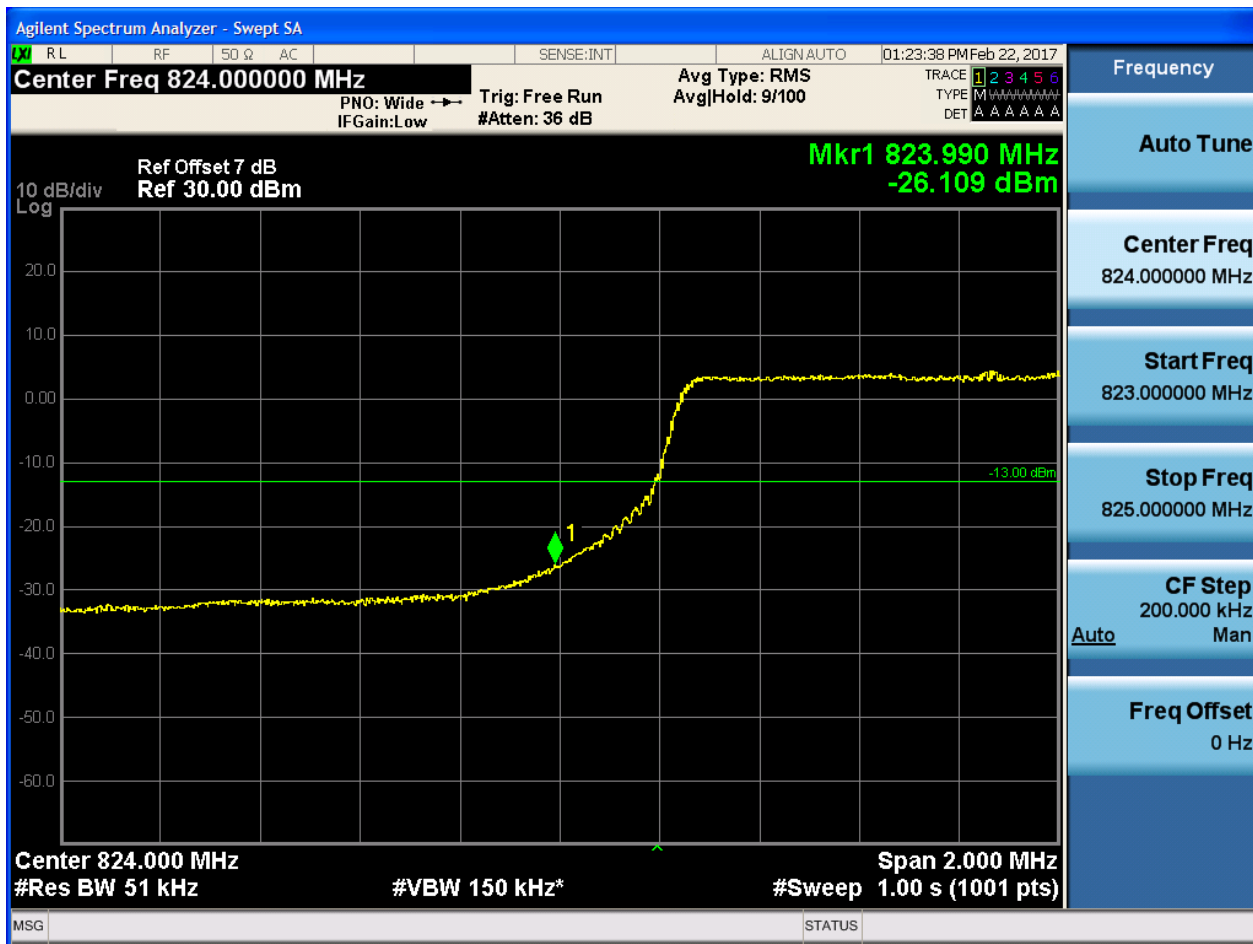


## 5.1.1.1.3.1.3 Test RB = RB12#6





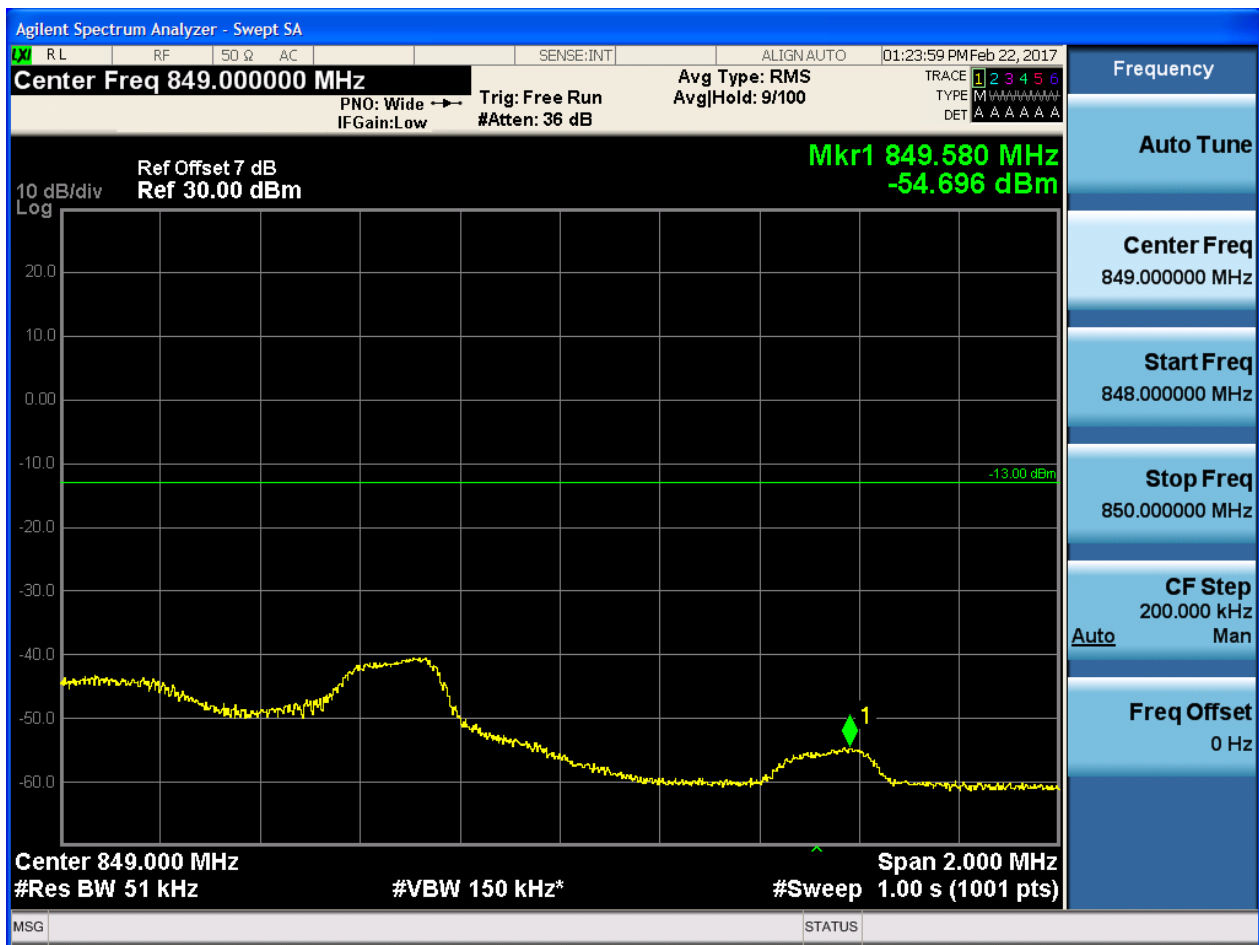
## 5.1.1.1.3.1.4 Test RB = RB25#0





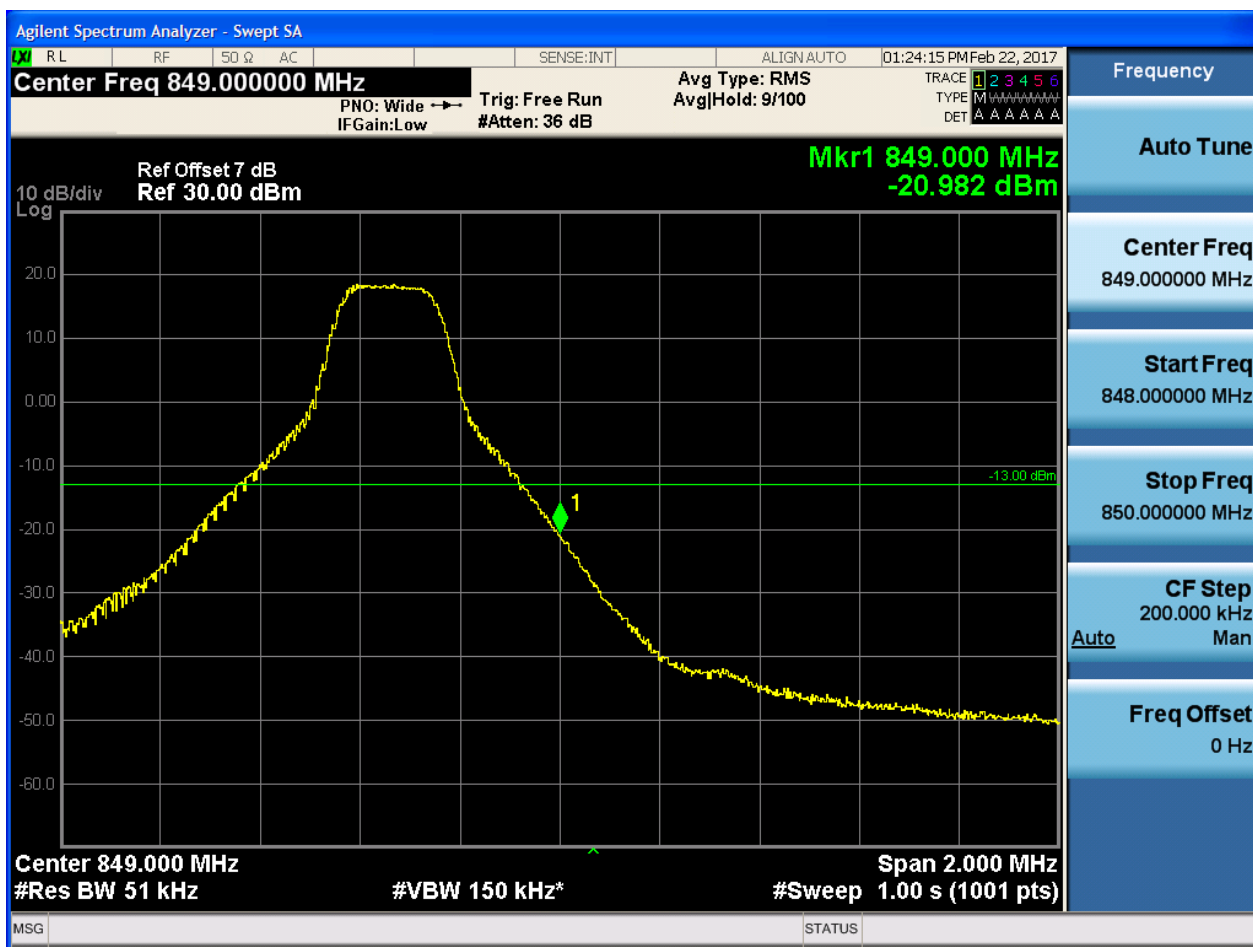
## 5.1.1.1.3.2 Test Channel = HCH

## 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

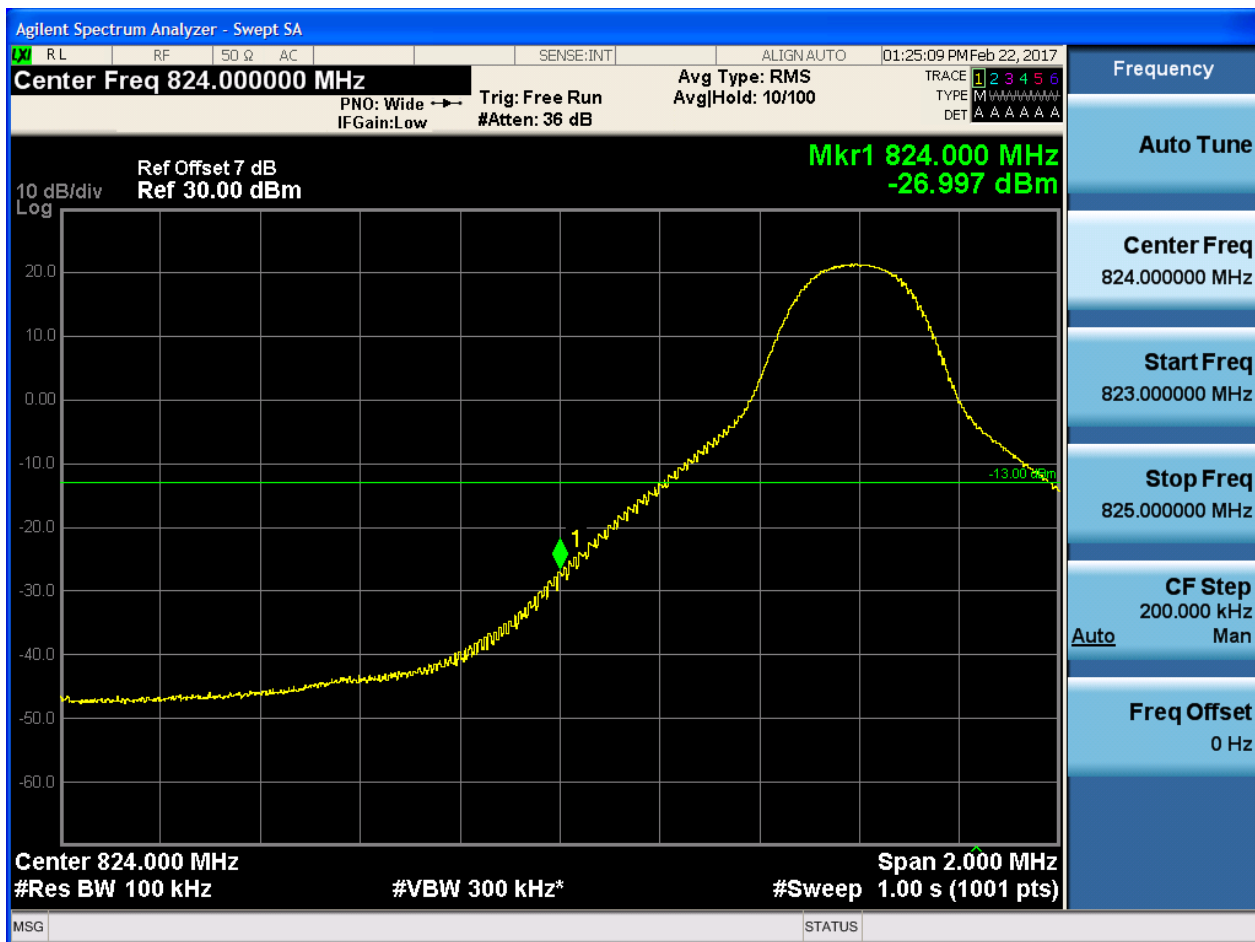




## 5.1.1.1.4 Test Bandwidth = 10

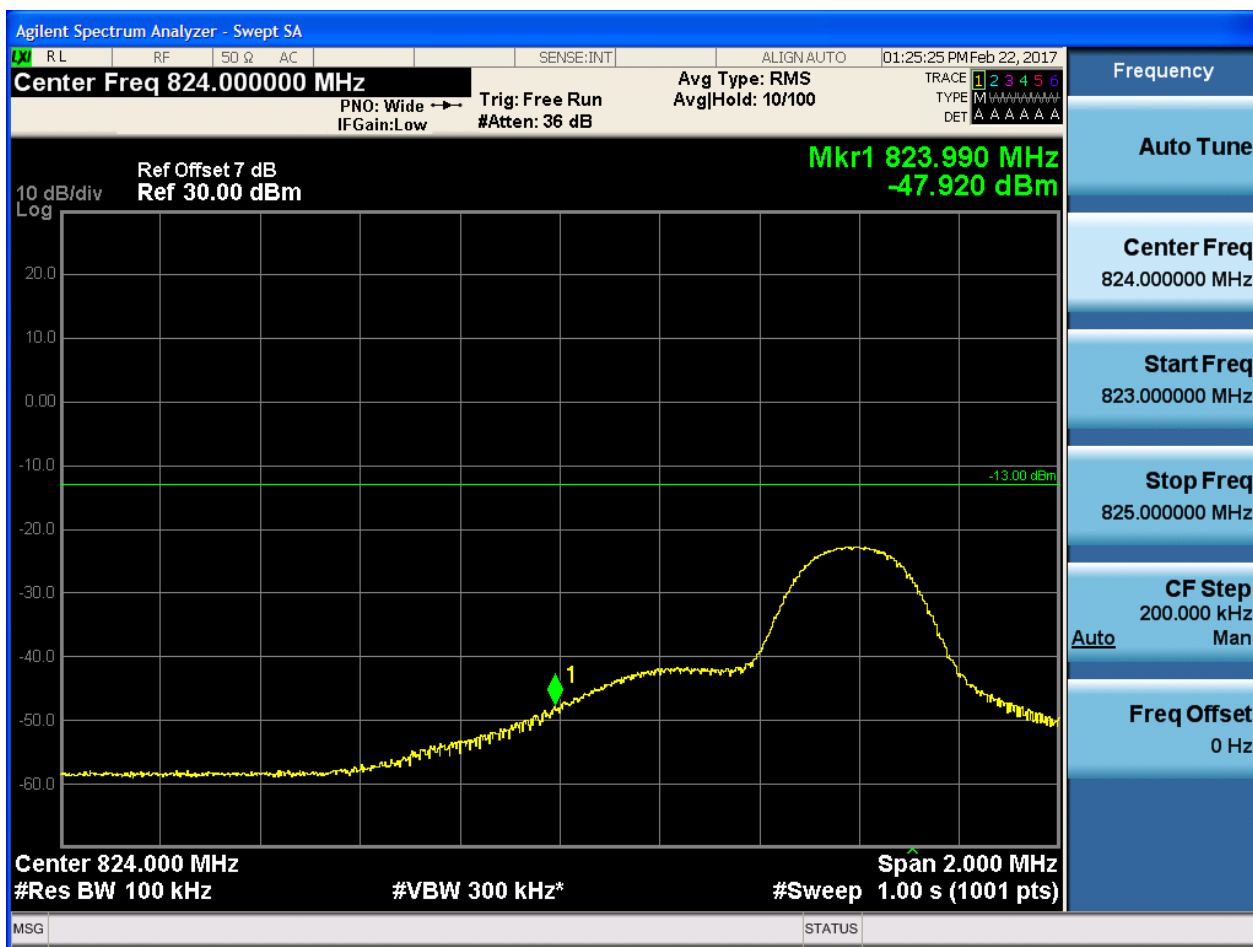
## 5.1.1.1.4.1 Test Channel = LCH

## 5.1.1.1.4.1.1 Test RB = RB1#0



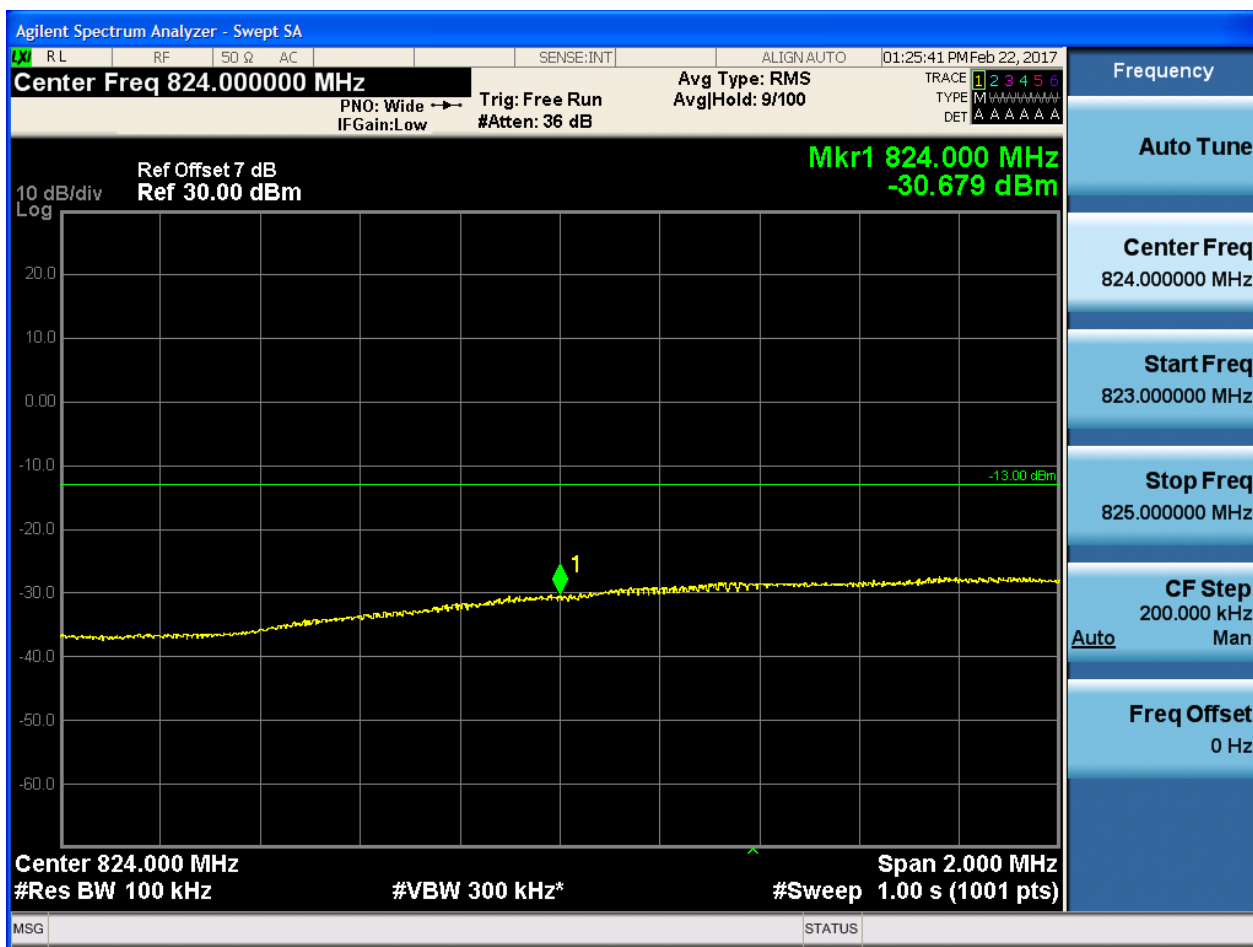


## 5.1.1.1.4.1.2 Test RB = RB1#49





## 5.1.1.1.4.1.3 Test RB = RB25#13





## 5.1.1.1.4.1.4 Test RB = RB50#0



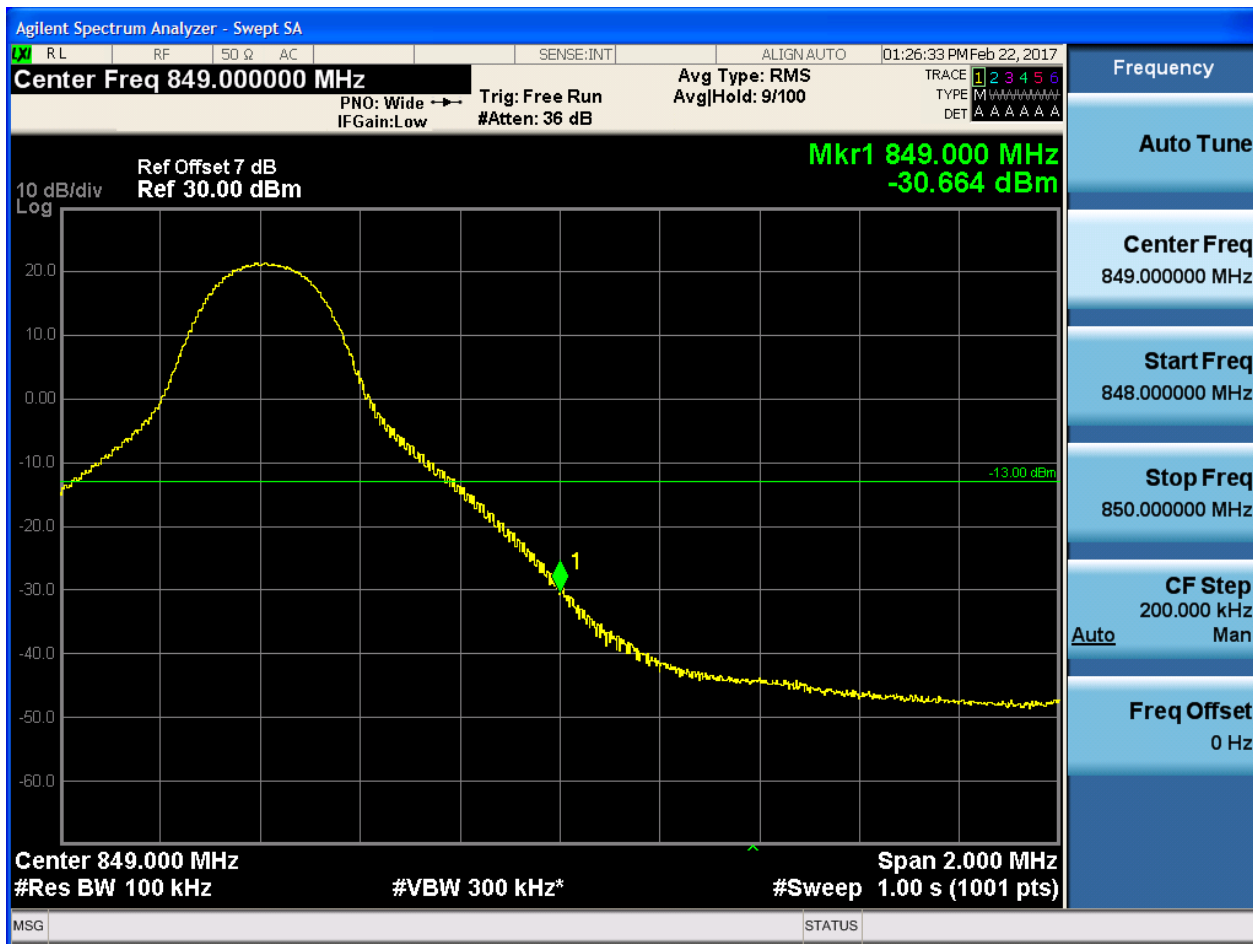
### 5.1.1.1.4.2 Test Channel = HCH

#### 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



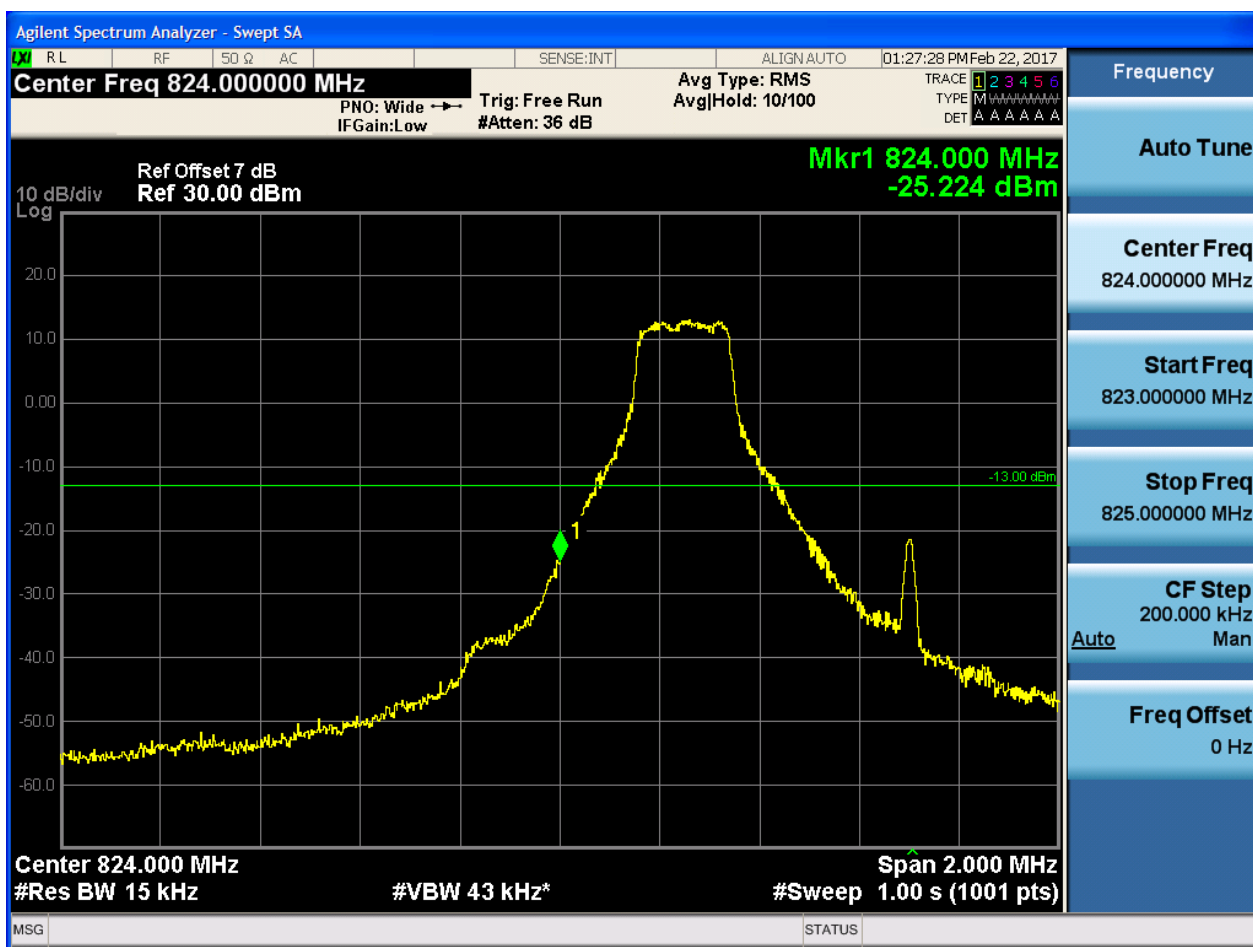


## 5.1.1.2 Test Mode = LTE/TM2

## 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





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB  
Ref 30.00 dBm

10 dB/div  
Log

Trig: Free Run  
#Atten: 36 dB

Avg Type: RMS  
Avg/Hold: 10/100

TRACE 1 2 3 4 5 6  
TYPE M W W W W W W W  
DET A A A A A A

Mkr1 823.450 MHz  
-50.072 dBm

-13.00 dBm

Center 824.000 MHz  
#Res BW 15 kHz  
#VBW 43 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq  
824.000000 MHz

Start Freq  
823.000000 MHz

Stop Freq  
825.000000 MHz

CF Step  
200.000 kHz  
Man

Auto

Freq Offset  
0 Hz

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 824.000 MHz  
-36.307 dBm

Center 824.000 MHz  
#Res BW 15 kHz  
#VBW 43 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq  
824.000000 MHz

Start Freq  
823.000000 MHz

Stop Freq  
825.000000 MHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz

Frequency

Auto Tune

Center Freq  
824.000000 MHz

Start Freq  
823.000000 MHz

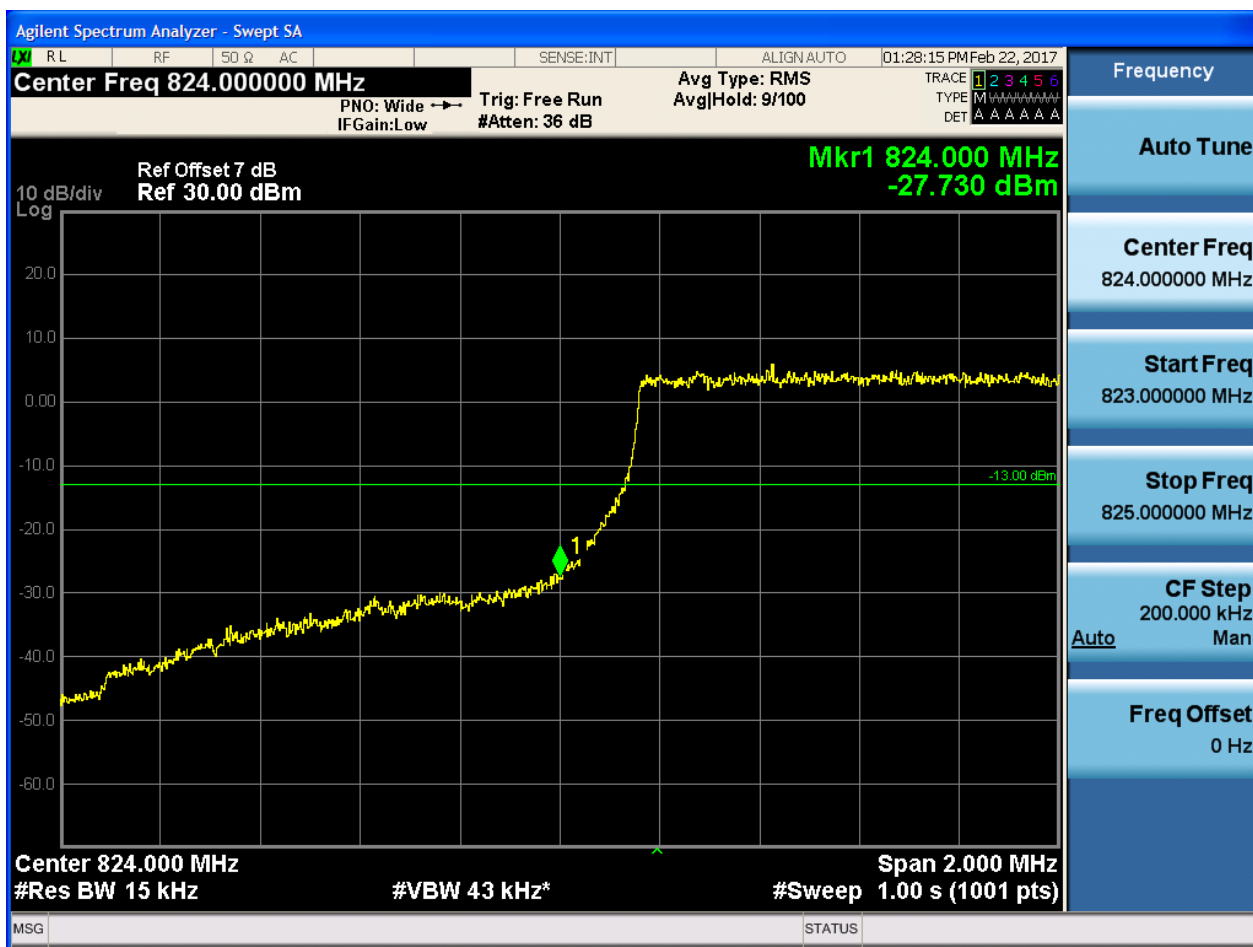
Stop Freq  
825.000000 MHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz



## 5.1.1.2.1.1.4 Test RB = RB6#0





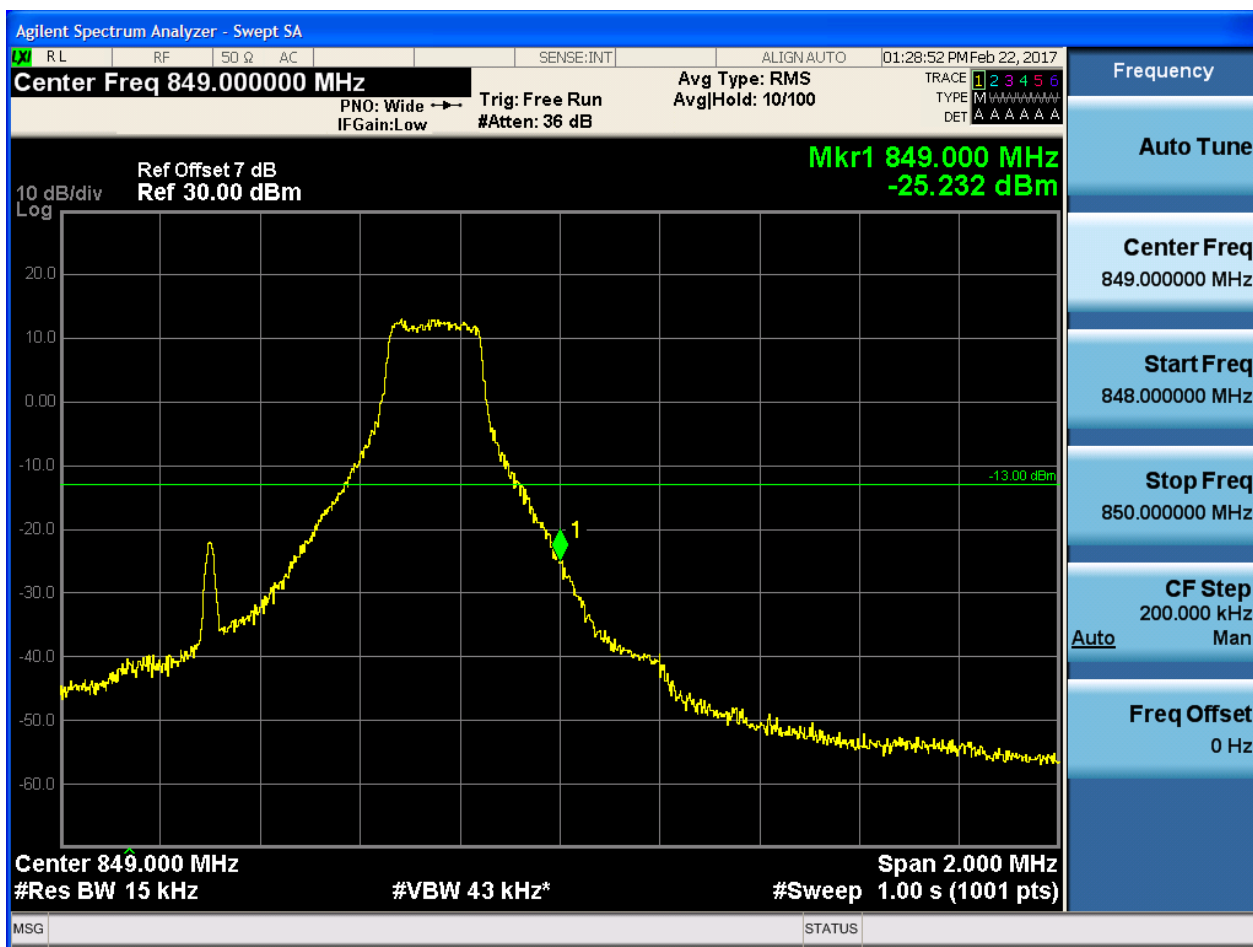
## 5.1.1.2.1.2 Test Channel = HCH

## 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

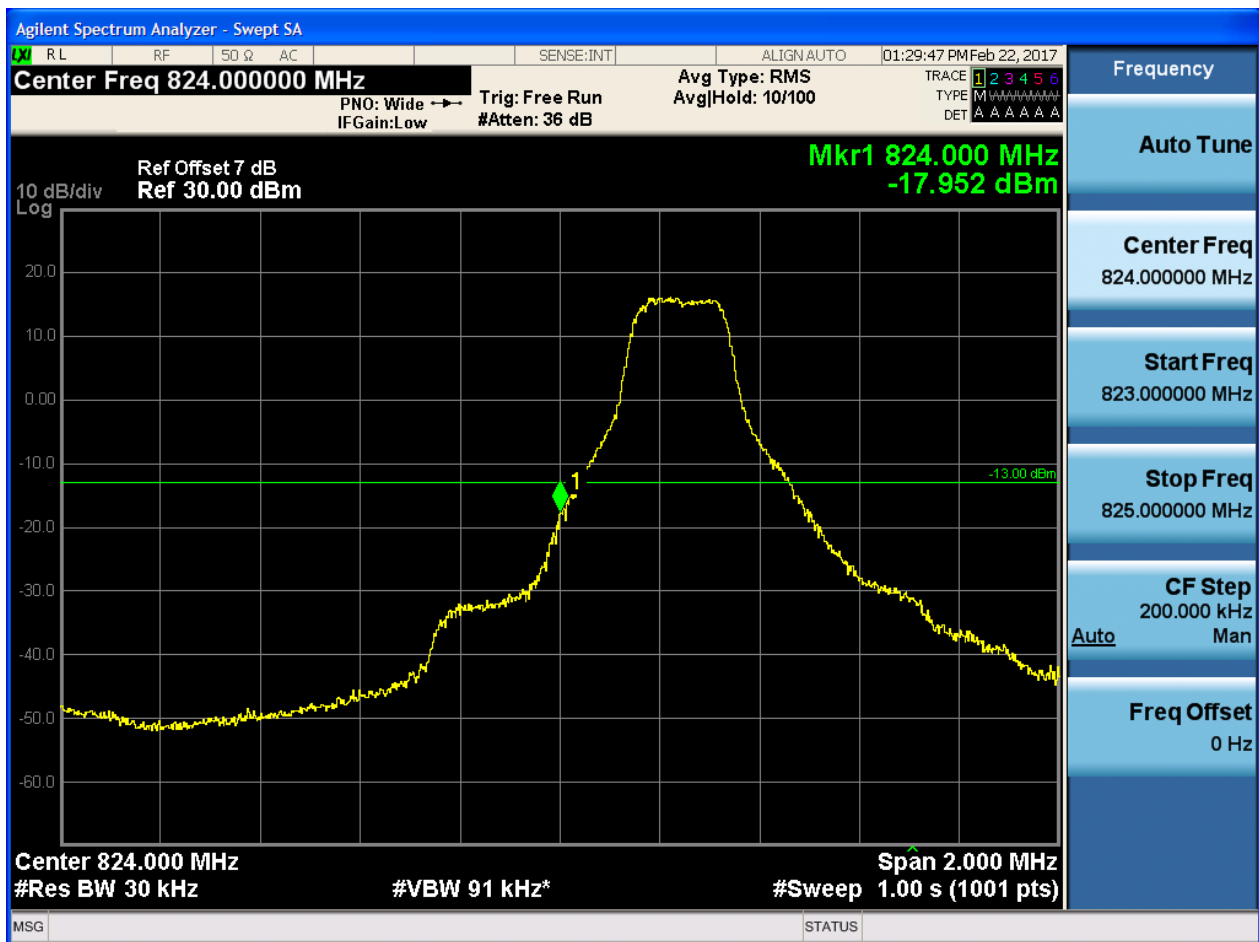




## 5.1.1.2.2 Test Bandwidth = 3

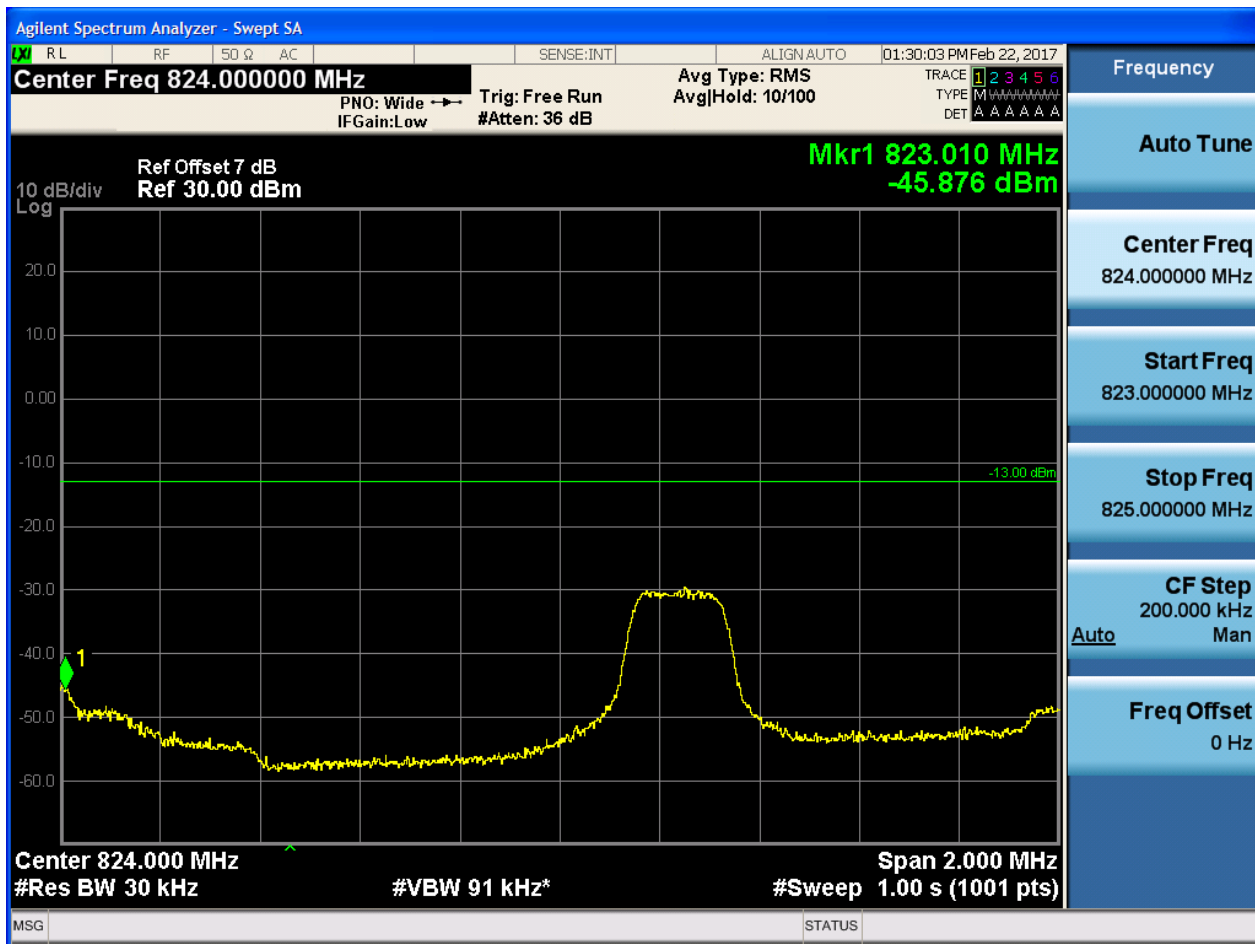
## 5.1.1.2.2.1 Test Channel = LCH

## 5.1.1.2.2.1.1 Test RB = RB1#0





## 5.1.1.2.2.1.2 Test RB = RB1#14



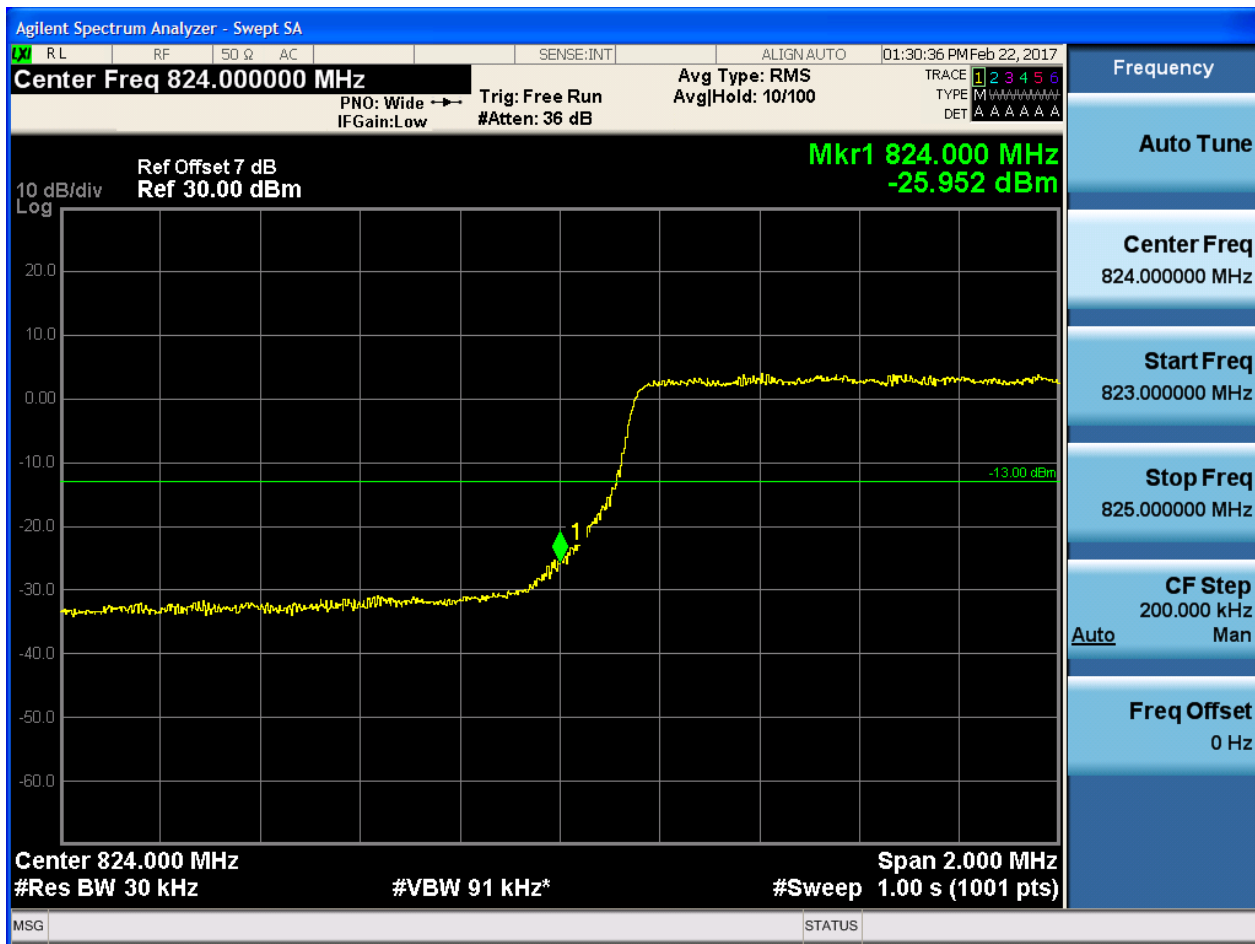


## 5.1.1.2.2.1.3 Test RB = RB8#4





## 5.1.1.2.2.1.4 Test RB = RB15#0





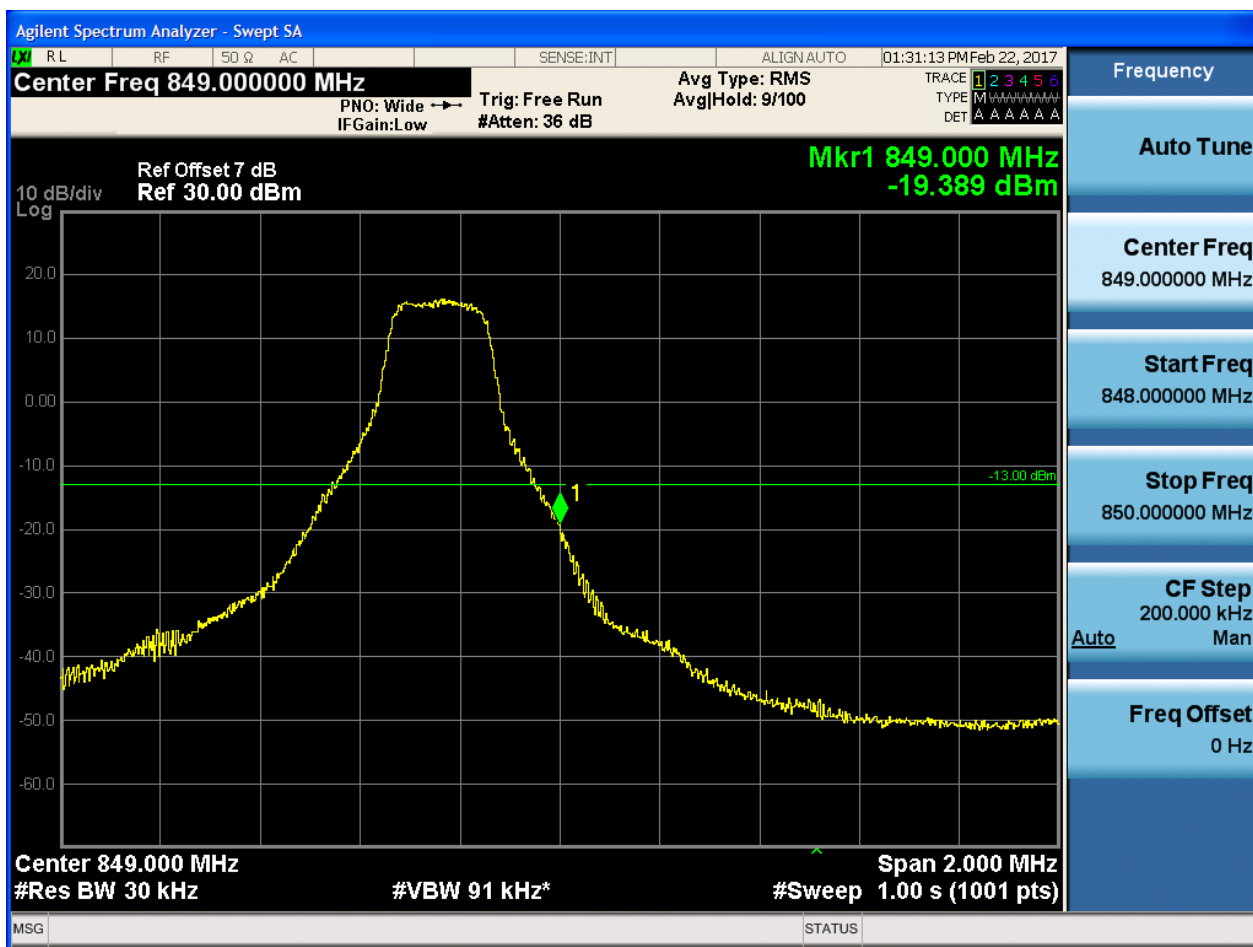
## 5.1.1.2.2.2 Test Channel = HCH

## 5.1.1.2.2.2.1 Test RB = RB1#0





## 5.1.1.2.2.2 Test RB = RB1#14



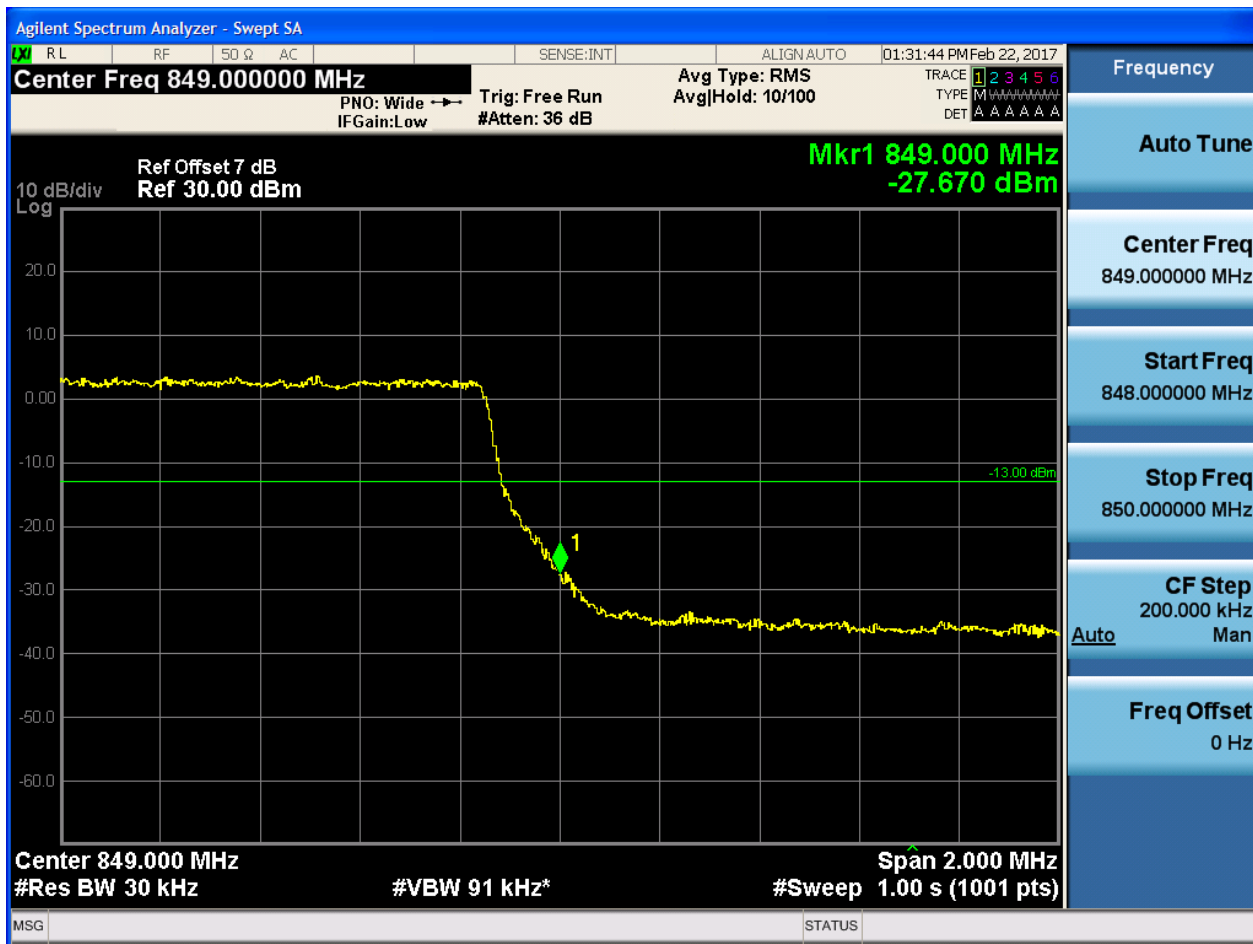


## 5.1.1.2.2.3 Test RB = RB8#4





## 5.1.1.2.2.4 Test RB = RB15#0

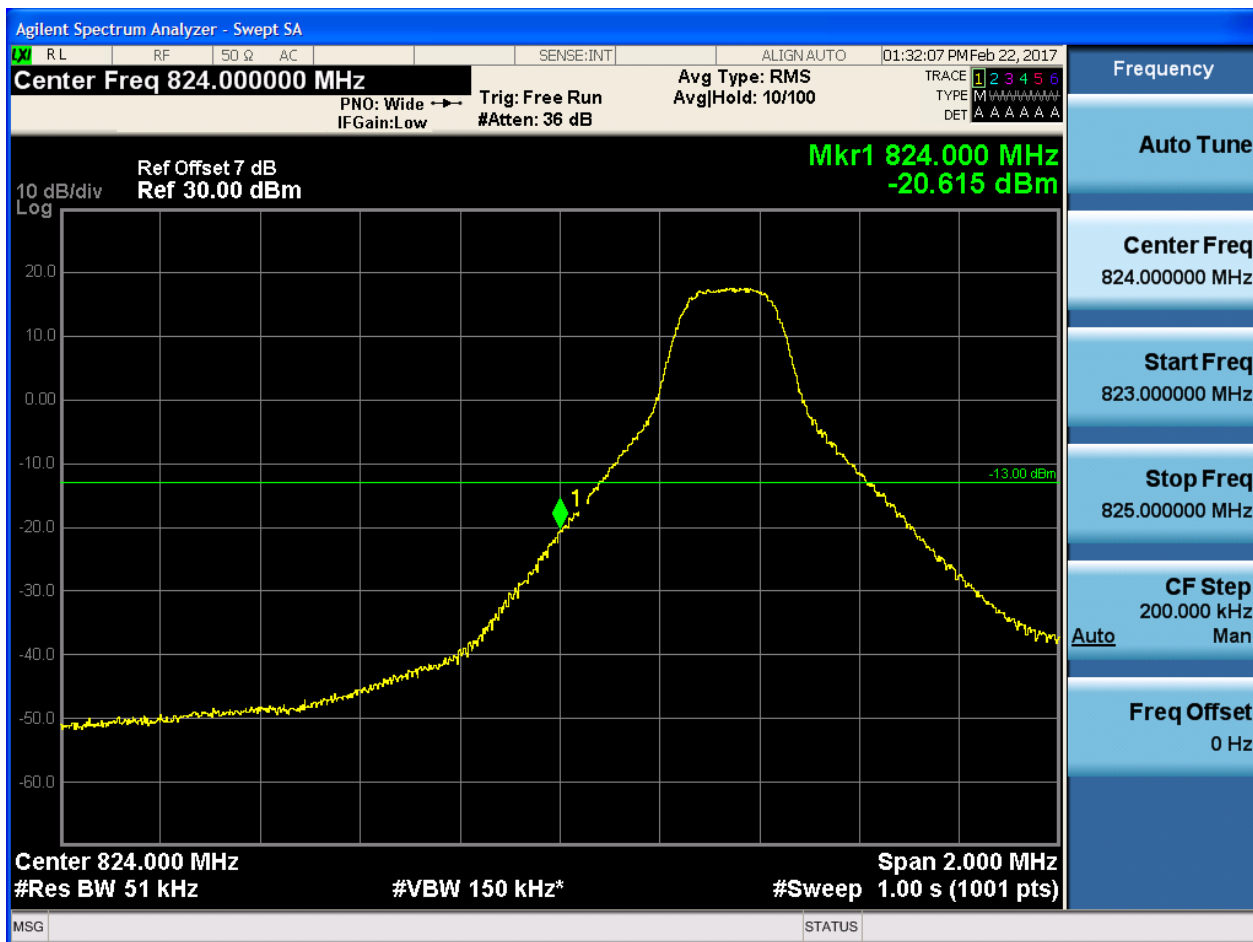




## 5.1.1.2.3 Test Bandwidth = 5

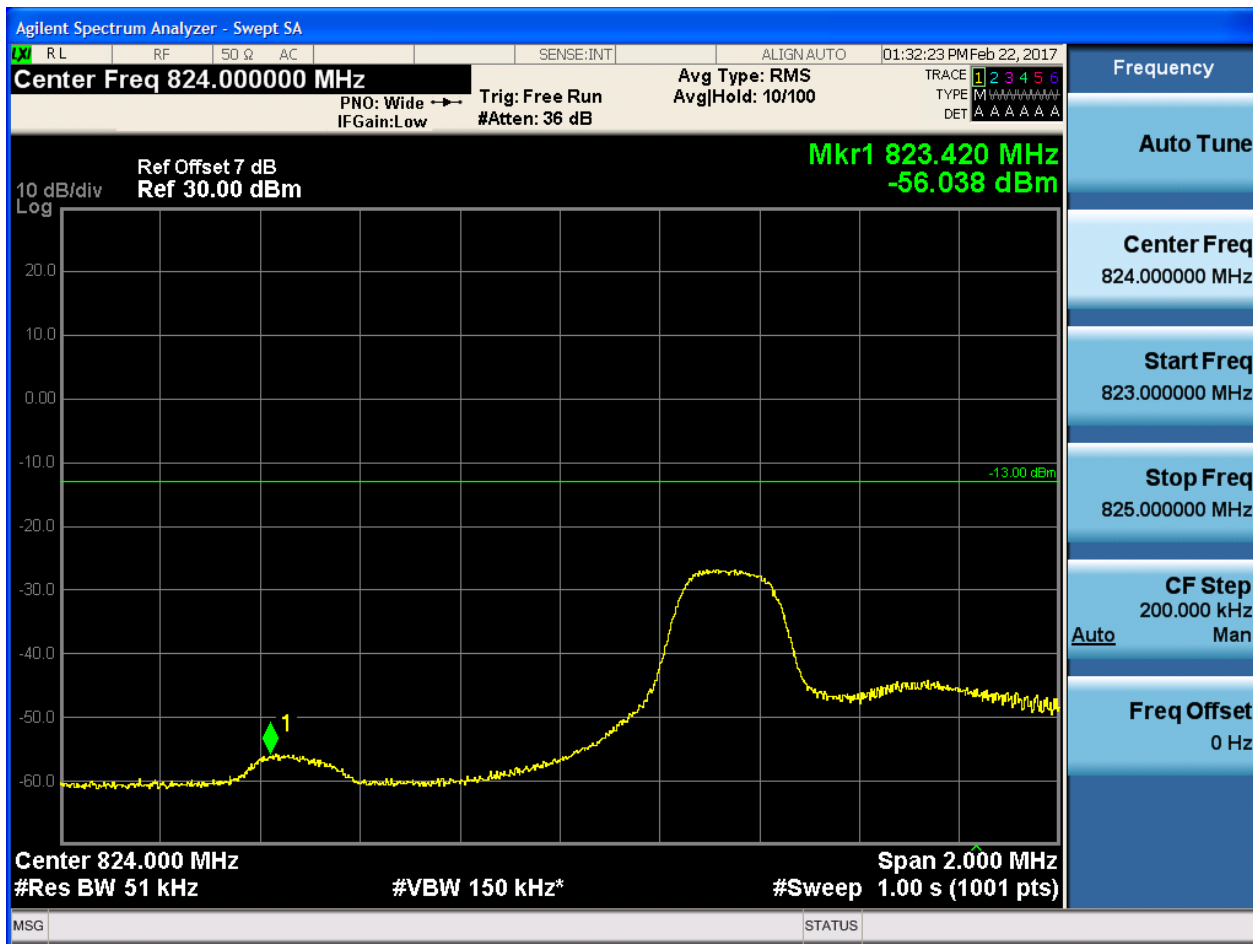
## 5.1.1.2.3.1 Test Channel = LCH

## 5.1.1.2.3.1.1 Test RB = RB1#0





## 5.1.1.2.3.1.2 Test RB = RB1#24



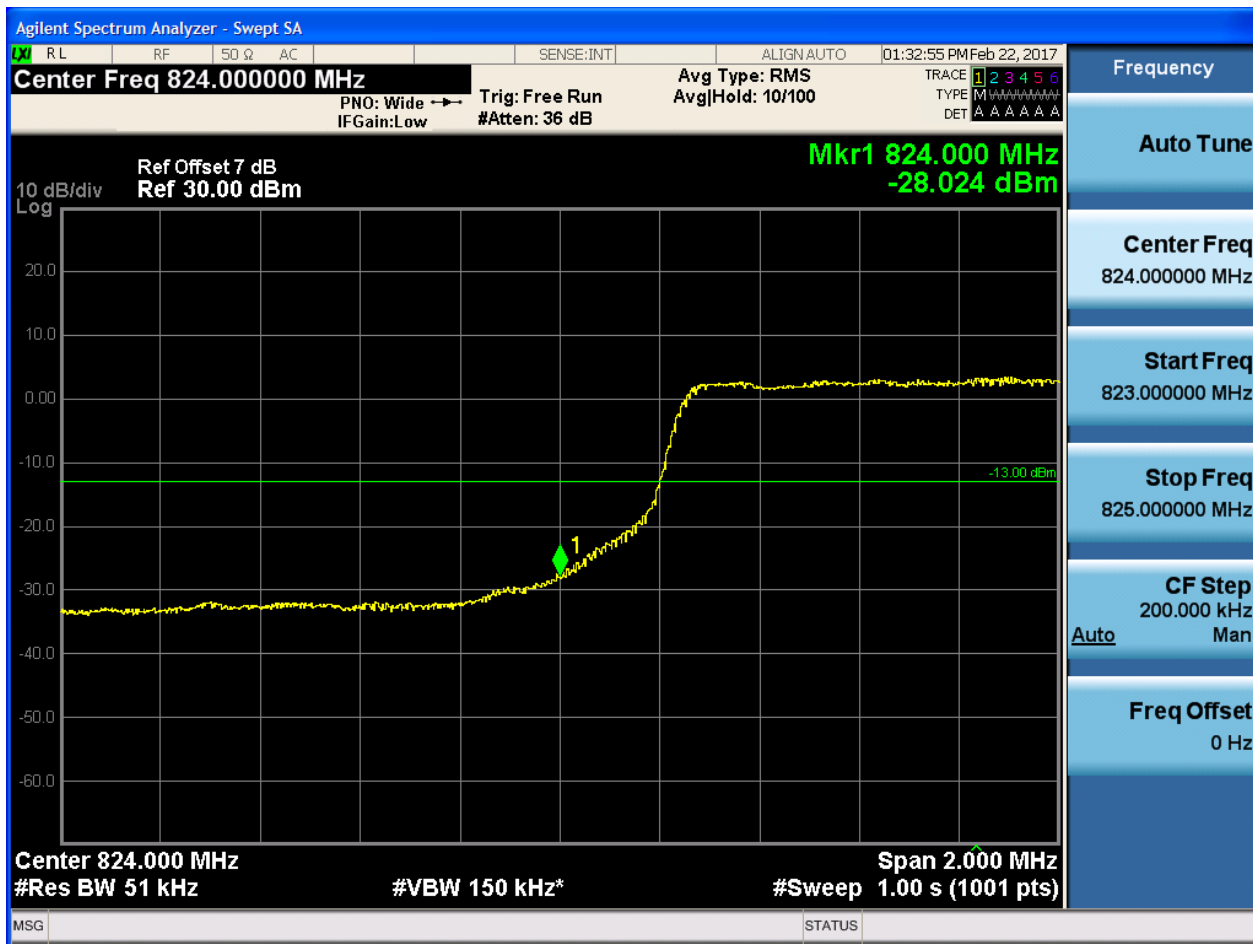


## 5.1.1.2.3.1.3 Test RB = RB12#6





## 5.1.1.2.3.1.4 Test RB = RB25#0





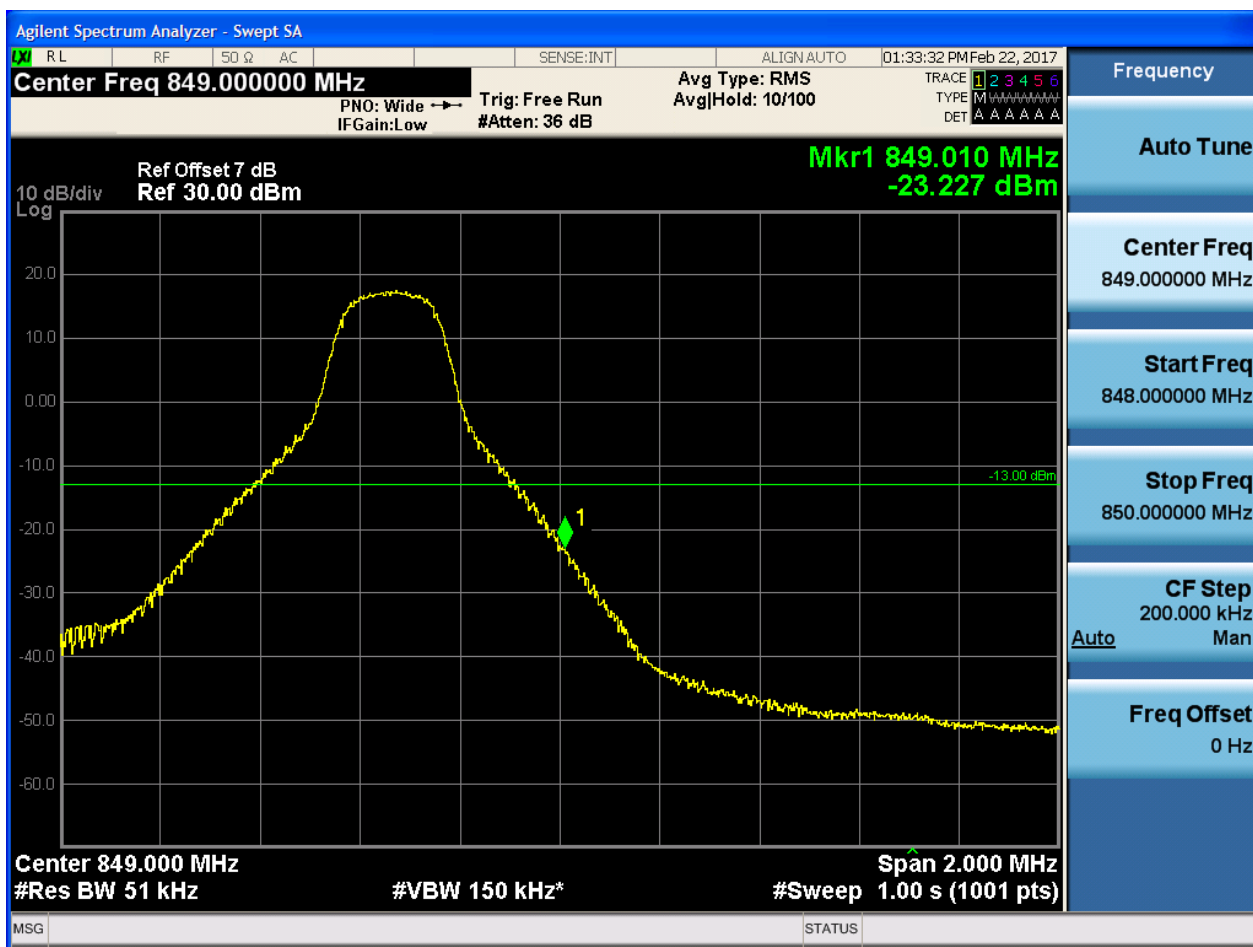
## 5.1.1.2.3.2 Test Channel = HCH

## 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

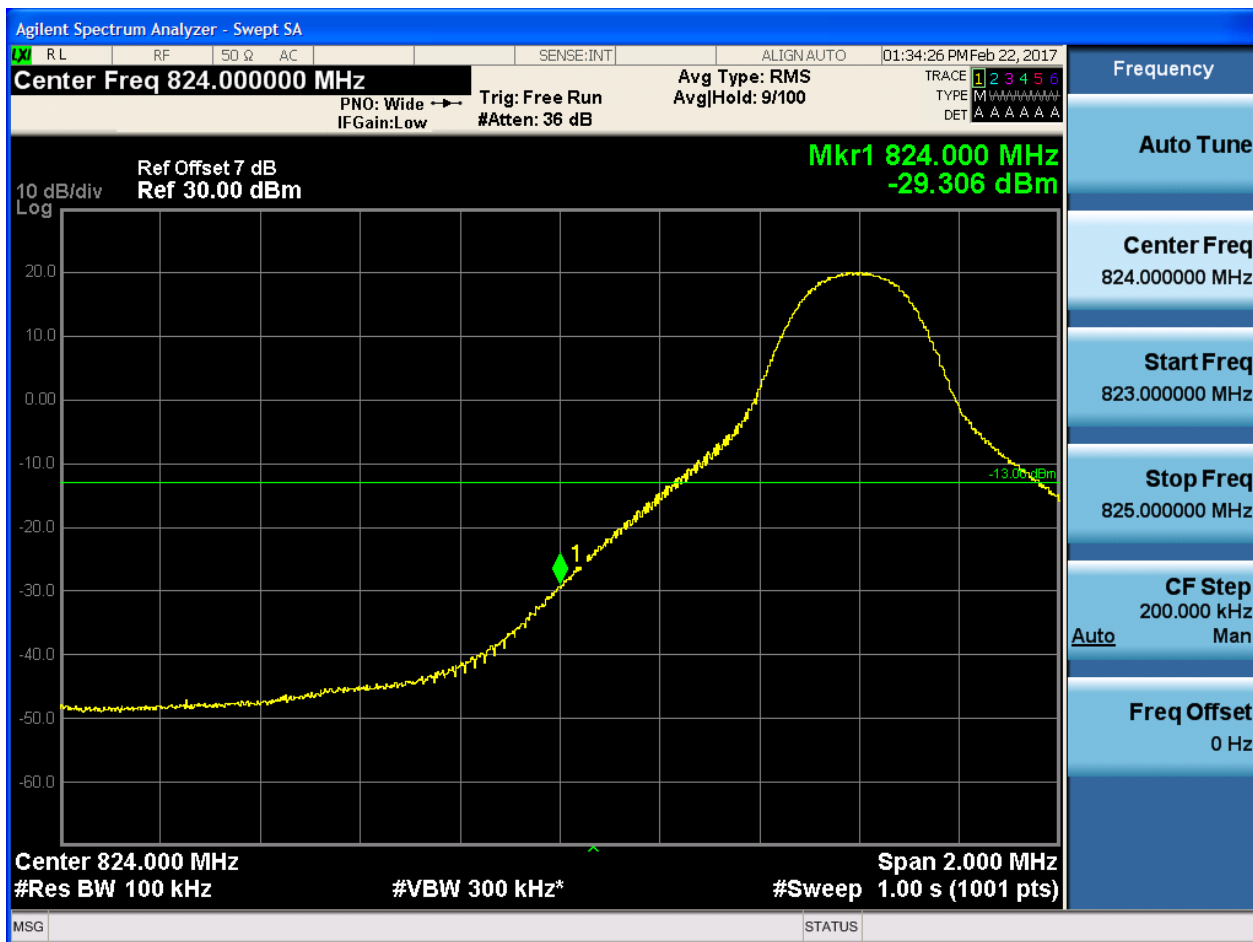




## 5.1.1.2.4 Test Bandwidth = 10

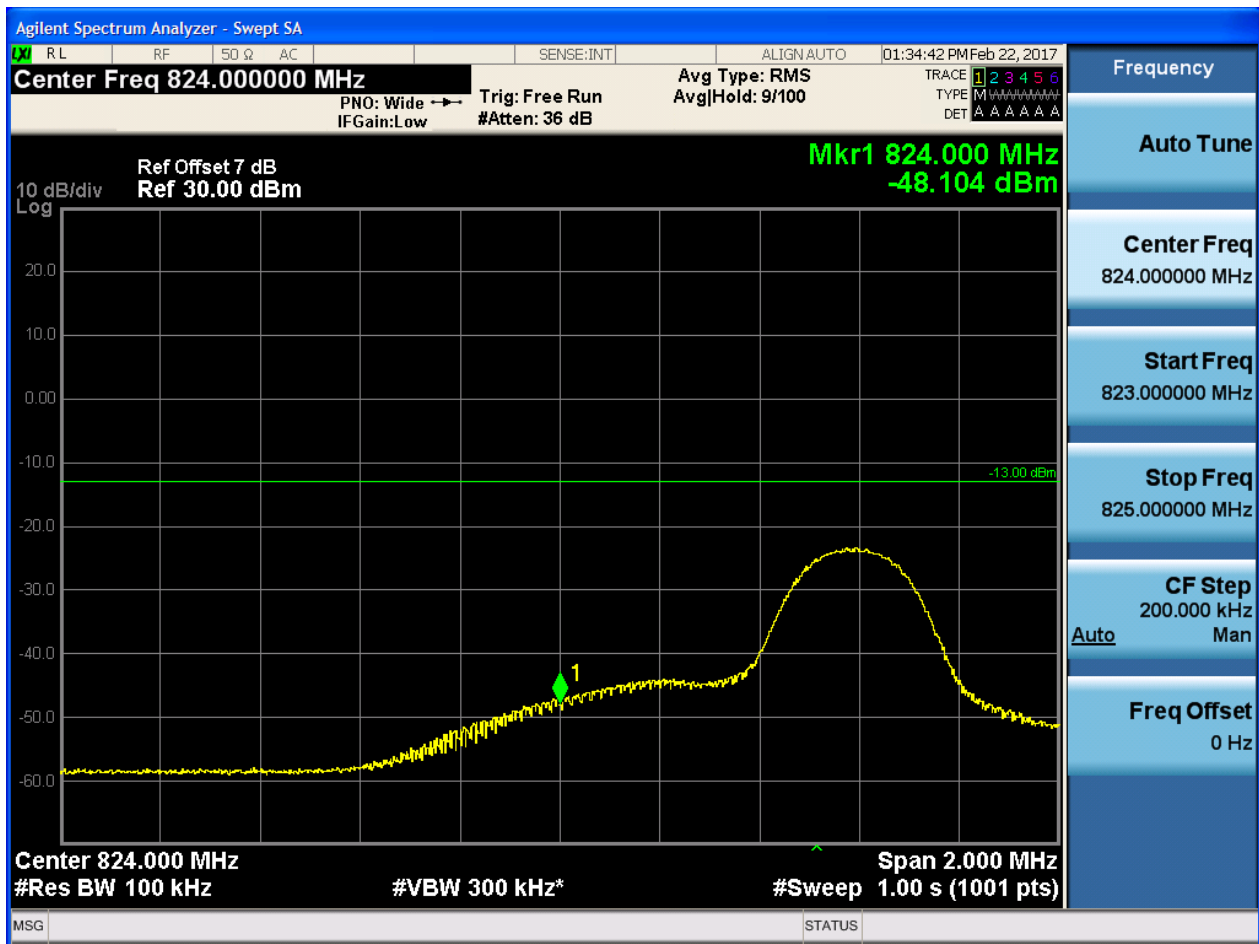
## 5.1.1.2.4.1 Test Channel = LCH

## 5.1.1.2.4.1.1 Test RB = RB1#0



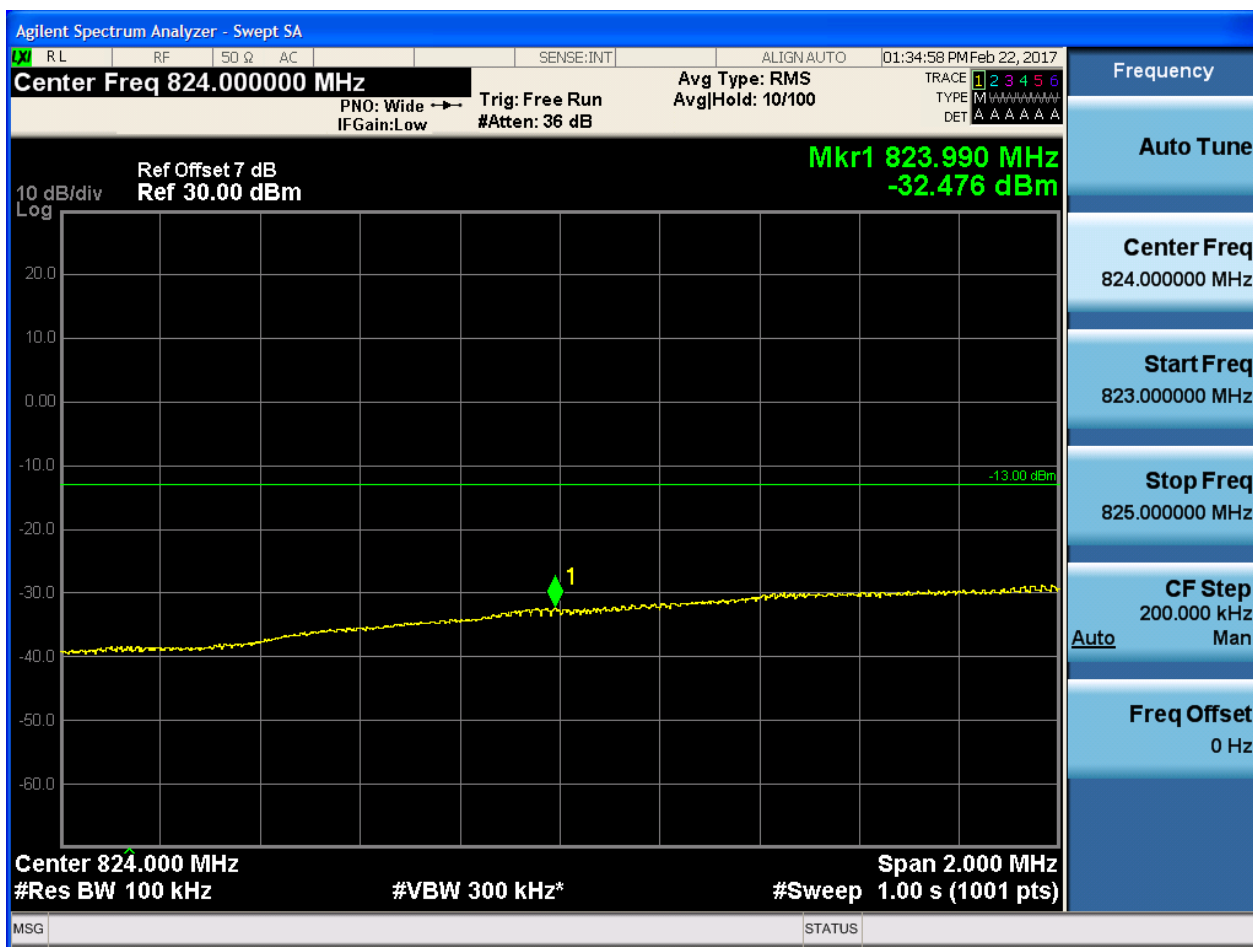


## 5.1.1.2.4.1.2 Test RB = RB1#49



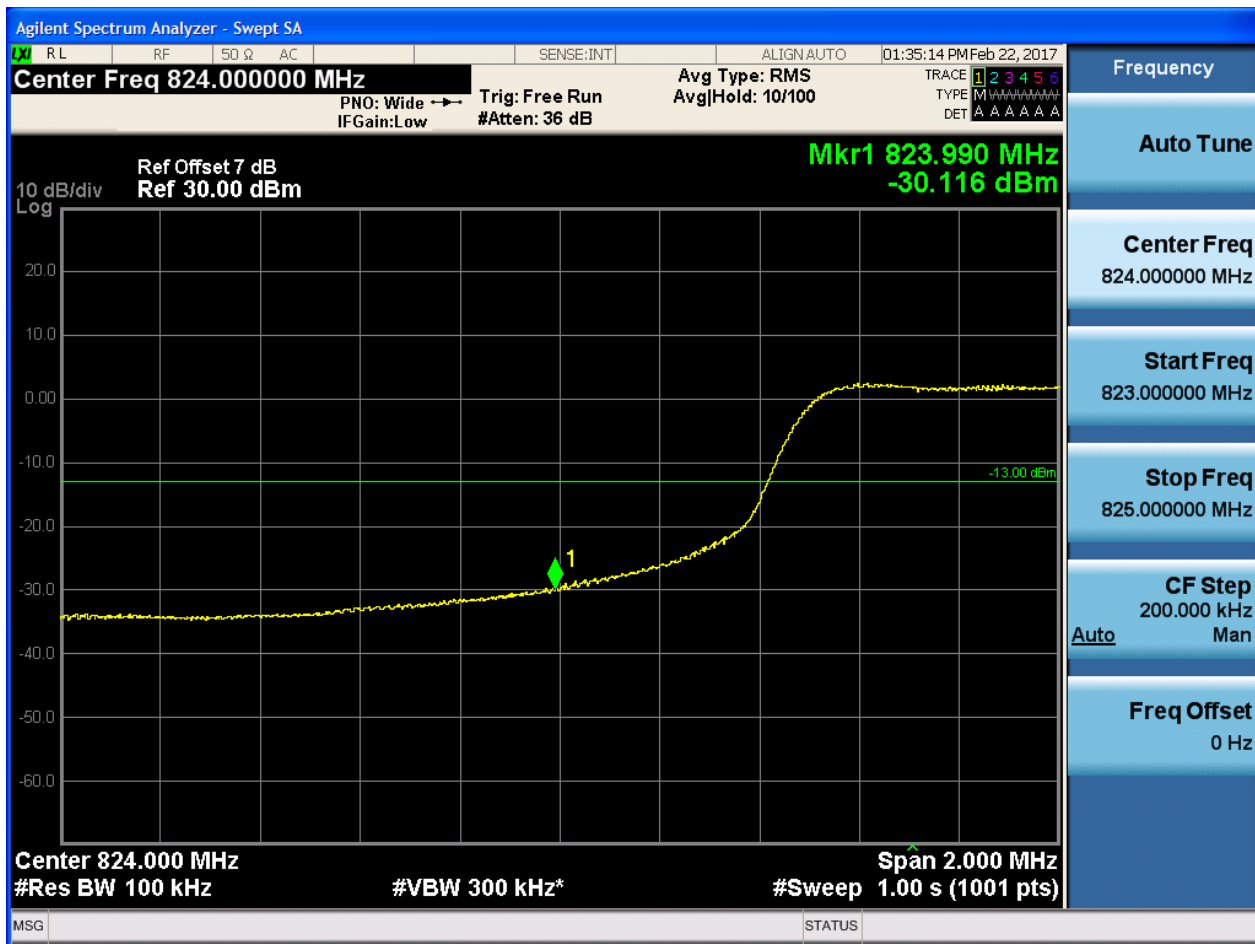


## 5.1.1.2.4.1.3 Test RB = RB25#13





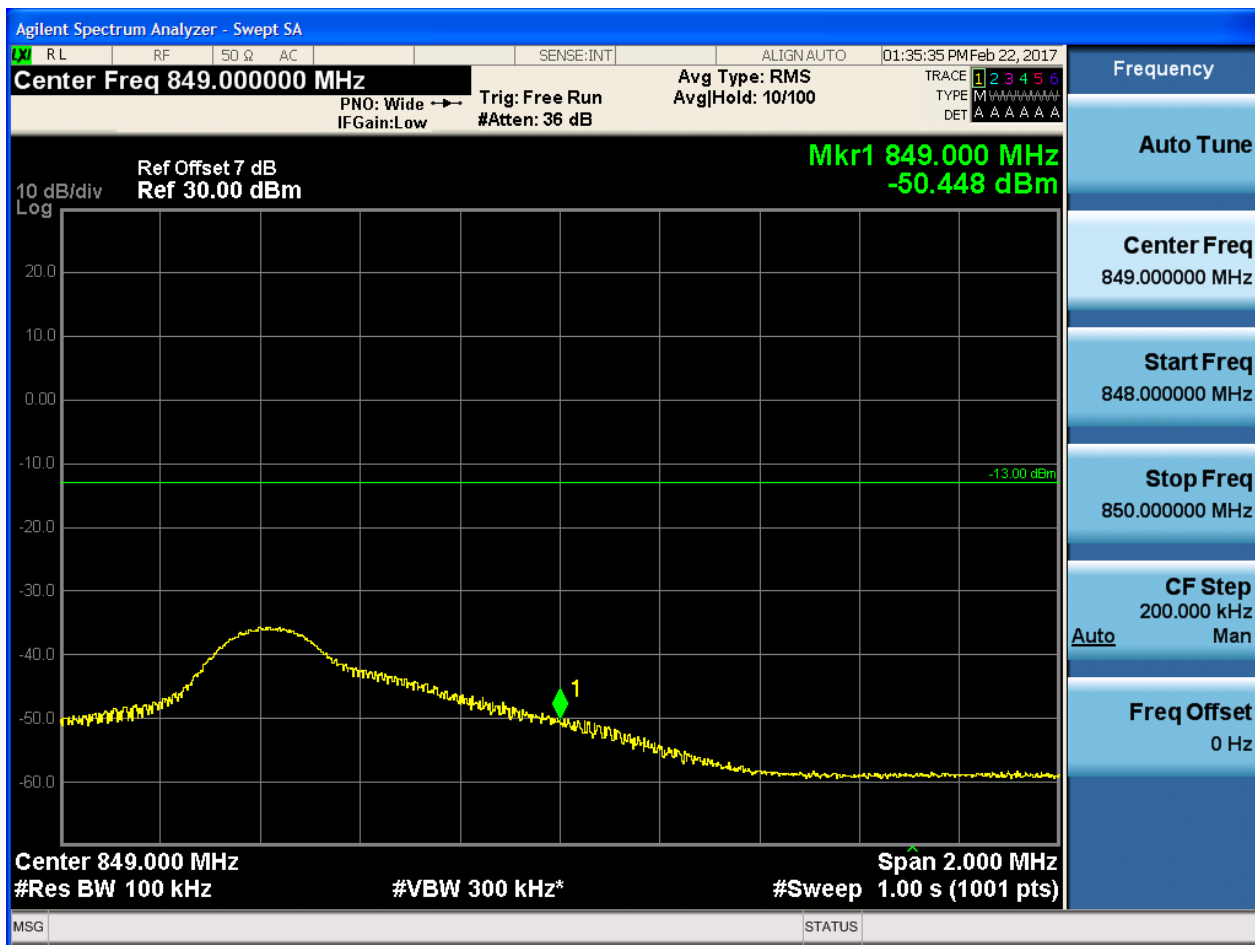
## 5.1.1.2.4.1.4 Test RB = RB50#0





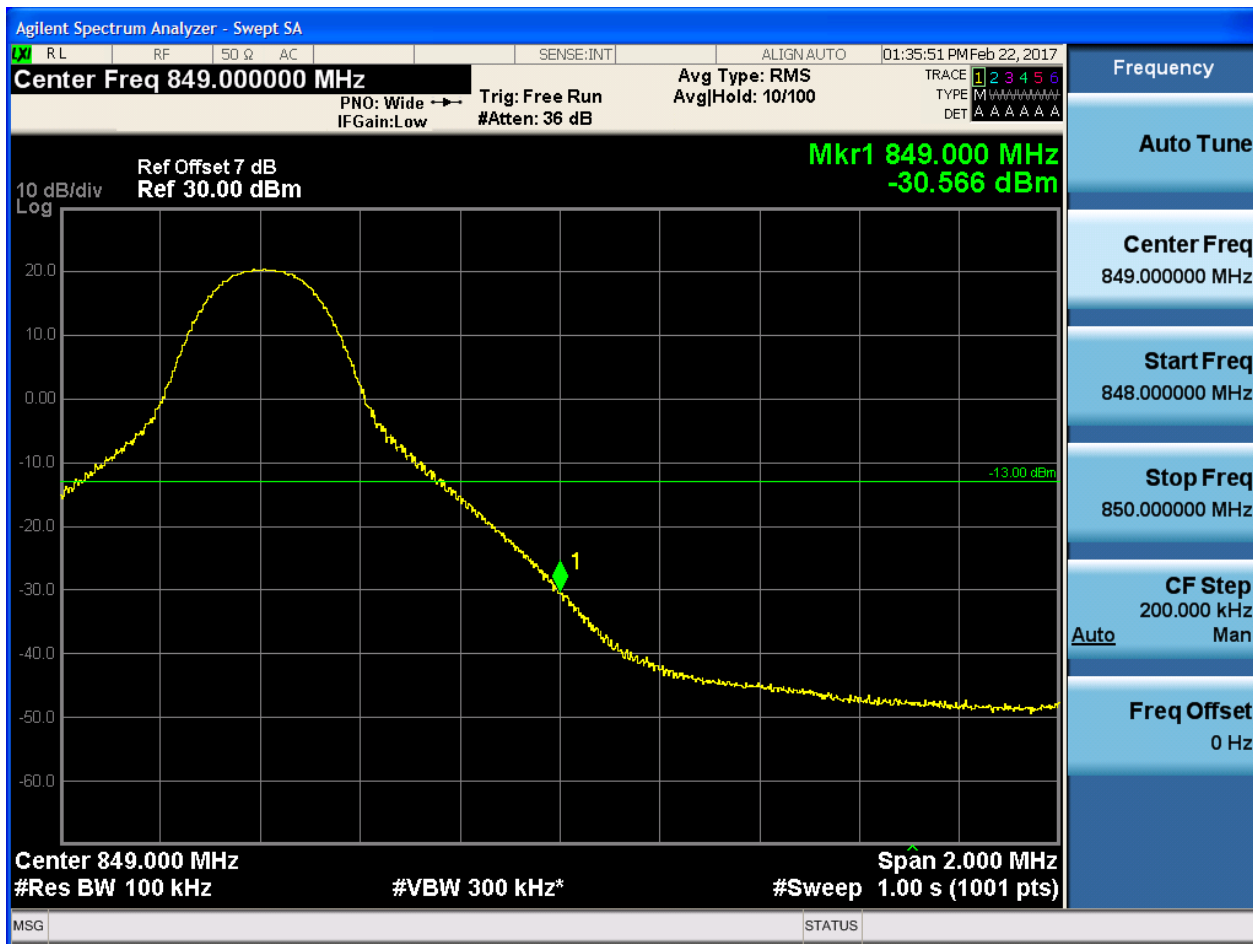
## 5.1.1.2.4.2 Test Channel = HCH

## 5.1.1.2.4.2.1 Test RB = RB1#0



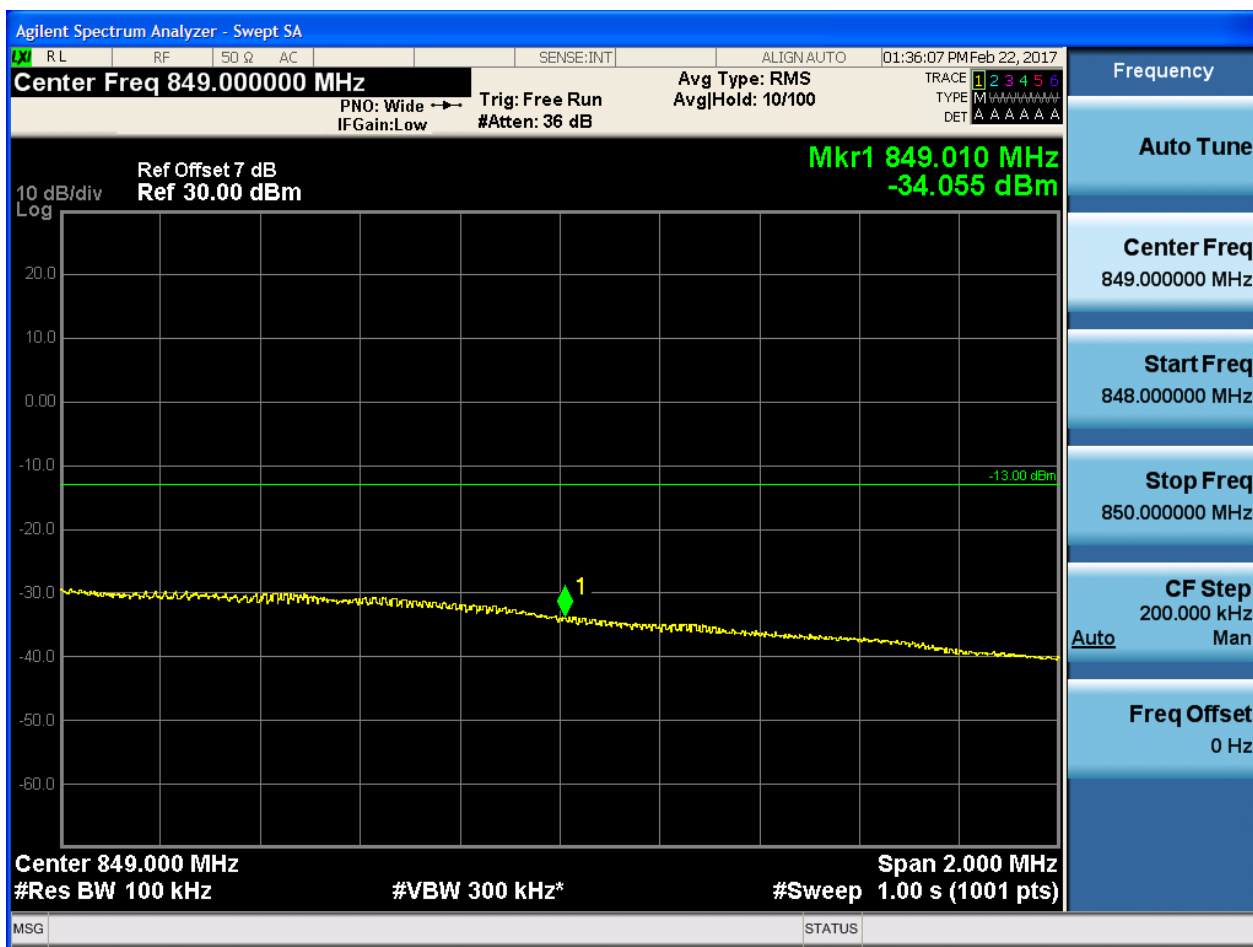


## 5.1.1.2.4.2.2 Test RB = RB1#49





## 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

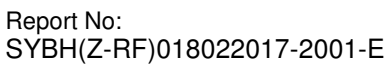
##### 6.1.1 Test Band = BAND5

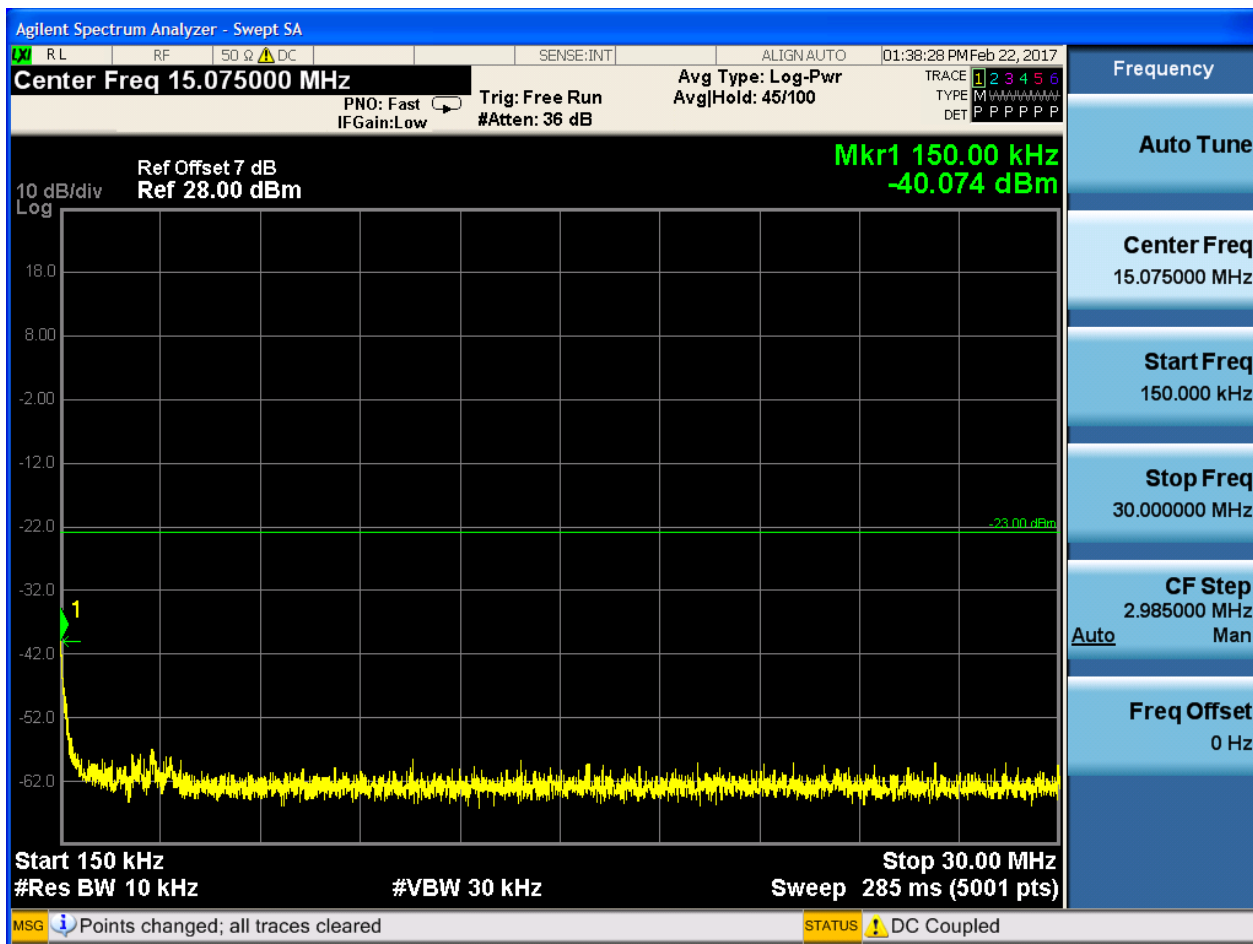
##### 6.1.1.1 Test Mode = LTE/TM1

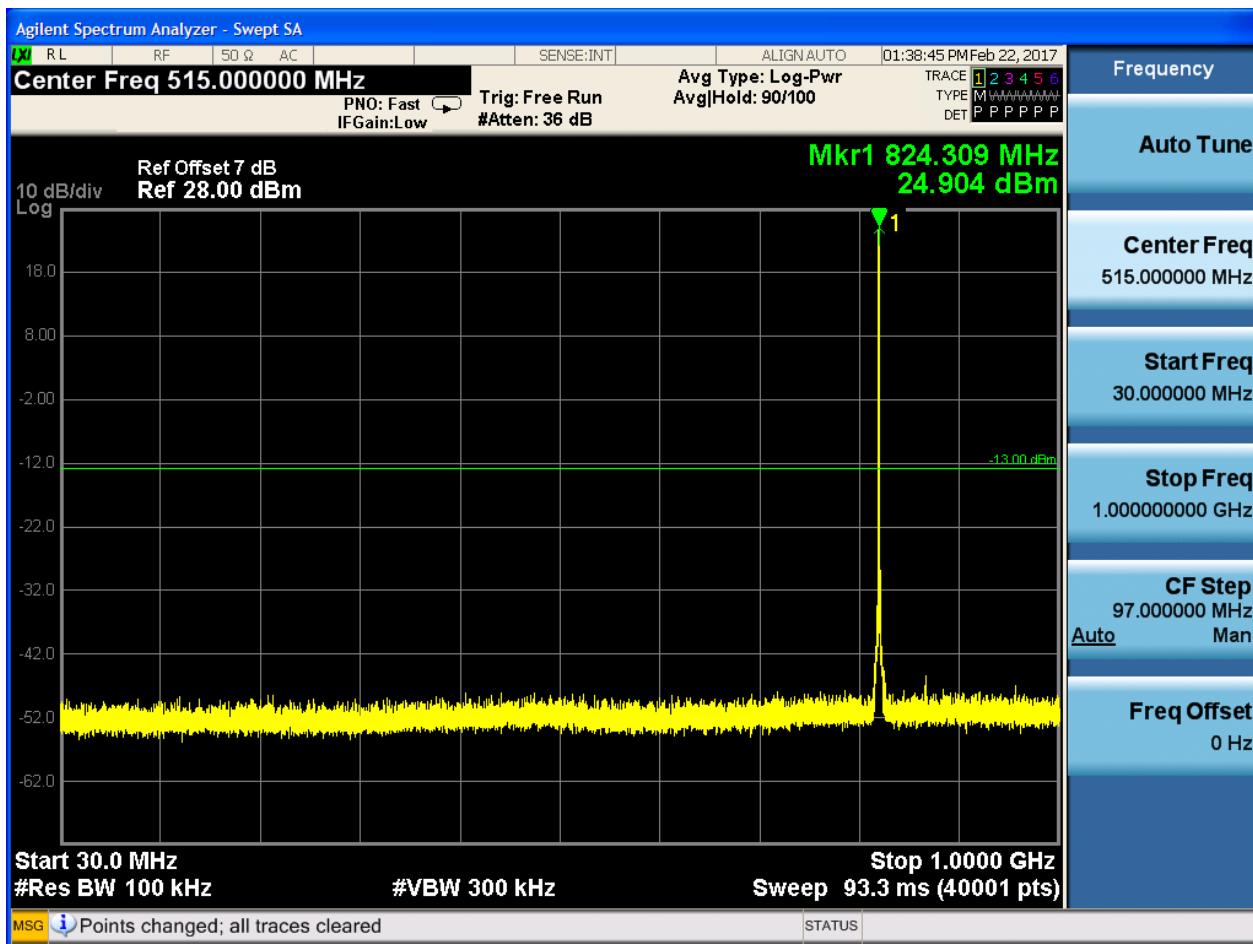
##### 6.1.1.1.1 Test Bandwidth = 1.4

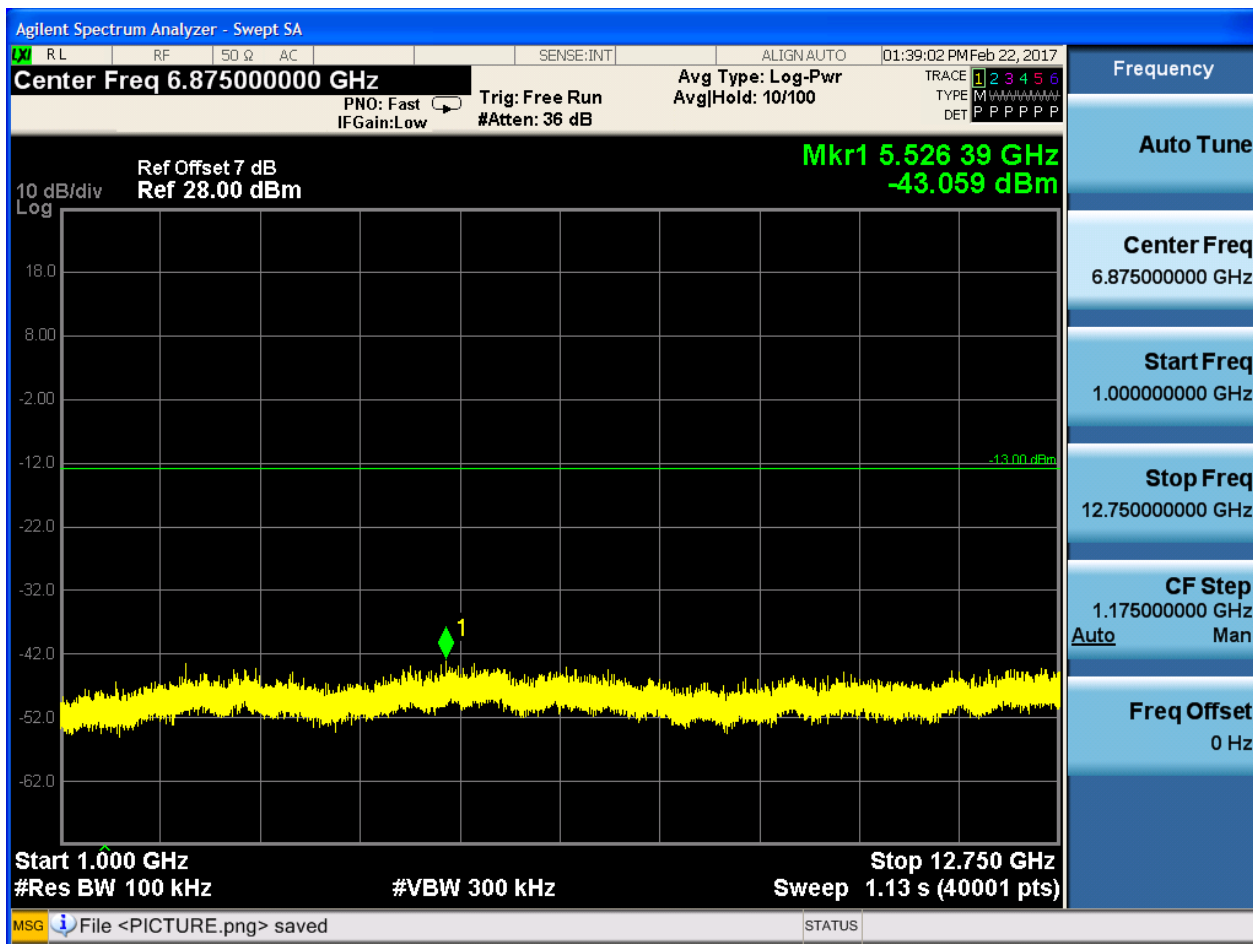
##### 6.1.1.1.1.1 Test Channel = LCH

##### 6.1.1.1.1.1.1 Test RB = RB1#0











## 6.1.1.1.1.2 Test Channel = MCH

## 6.1.1.1.1.2.1 Test RB = RB1#0

