



## 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   | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
| BAND5          | LTE/TM1   | 1.4            | LCH          | RB1#0   | 23.6          | 19.19 | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 23.23         | 18.84 | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 23.59         | 19.35 | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 23.33         | 18.94 | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 23.2          | 19.00 | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 23.47         | 19.13 | 38.5        | PASS    |
|                |           |                |              | RB6#0   | 22.5          | 18.21 | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 23.55         | 19.29 | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 23.23         | 19.01 | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 23.56         | 19.13 | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 23.38         | 19.16 | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 23.41         | 19.16 | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 23.43         | 18.99 | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP   | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB6#0   | 22.46         | 18.14 | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 23.49         | 19.16 | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 23.26         | 18.79 | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 23.43         | 19.19 | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 23.25         | 18.81 | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 23.23         | 18.82 | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 23.46         | 19.08 | 38.5        | PASS    |
|                |           |                |              | RB6#0   | 22.51         | 18.21 | 38.5        | PASS    |
|                |           | 3              | LCH          | RB1#0   | 23.56         | 19.25 | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 23.23         | 18.75 | 38.5        | PASS    |
|                |           |                |              | RB1#14  | 23.56         | 19.23 | 38.5        | PASS    |
|                |           |                |              | RB8#0   | 22.45         | 18.16 | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 22.46         | 18.25 | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 22.5          | 18.18 | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 22.56         | 18.10 | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 23.53         | 19.29 | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 23.1          | 18.70 | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP   | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB1#14  | 23.53         | 19.09 | 38.5        | PASS    |
|                |           |                |              | RB8#0   | 22.46         | 18.13 | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 22.41         | 18.20 | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 22.44         | 17.99 | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 22.52         | 18.26 | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 23.49         | 19.01 | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 23.47         | 19.26 | 38.5        | PASS    |
|                |           |                |              | RB1#14  | 23.42         | 19.04 | 38.5        | PASS    |
|                |           |                |              | RB8#0   | 22.49         | 18.10 | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 22.35         | 18.00 | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 22.46         | 18.22 | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 22.49         | 18.22 | 38.5        | PASS    |
|                |           | 5              | LCH          | RB1#0   | 23.57         | 19.14 | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 23.59         | 19.12 | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 23.6          | 19.30 | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 22.62         | 18.14 | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 22.52         | 18.31 | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP   | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB12#13 | 22.63         | 18.21 | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.57         | 18.30 | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 23.52         | 19.06 | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 23.55         | 19.29 | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 23.53         | 19.07 | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 22.5          | 18.11 | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 22.52         | 18.04 | 38.5        | PASS    |
|                |           |                |              | RB12#13 | 22.56         | 18.19 | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.51         | 18.18 | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 23.42         | 18.93 | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 23.46         | 19.03 | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 23.43         | 18.96 | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 22.5          | 18.12 | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 22.5          | 18.04 | 38.5        | PASS    |
|                |           |                |              | RB12#13 | 22.5          | 18.15 | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.52         | 18.11 | 38.5        | PASS    |
|                |           | 10             | LCH          | RB1#0   | 23.59         | 19.21 | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP   | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB1#25  | 23.28         | 18.83 | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 23.51         | 19.27 | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.61         | 18.25 | 38.5        | PASS    |
|                |           |                |              | RB25#13 | 22.63         | 18.17 | 38.5        | PASS    |
|                |           |                |              | RB25#25 | 22.63         | 18.39 | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 22.58         | 18.25 | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 23.59         | 19.11 | 38.5        | PASS    |
|                |           |                |              | RB1#25  | 23.58         | 19.30 | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 23.54         | 19.15 | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.46         | 18.03 | 38.5        | PASS    |
|                |           |                |              | RB25#13 | 22.48         | 18.16 | 38.5        | PASS    |
|                |           |                |              | RB25#25 | 22.5          | 18.26 | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 22.55         | 18.22 | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 23.45         | 19.05 | 38.5        | PASS    |
|                |           |                |              | RB1#25  | 23.39         | 18.95 | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 23.41         | 19.07 | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.45         | 17.96 | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP   | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB25#13 | 22.49         | 18.26 | 38.5        | PASS    |
|                |           |                |              | RB25#25 | 22.51         | 18.02 | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 22.55         | 18.05 | 38.5        | PASS    |
|                | LTE/TM2   | 1.4            | LCH          | RB1#0   | 22.74         | 18.34 | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 22.22         | 17.95 | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 22.69         | 18.24 | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 22.62         | 18.27 | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 22.47         | 18.09 | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 22.54         | 18.26 | 38.5        | PASS    |
|                |           |                |              | RB6#0   | 21.45         | 17.17 | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 22.67         | 18.28 | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 22.36         | 18.08 | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 22.6          | 18.35 | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 22.56         | 18.27 | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 22.4          | 18.09 | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 22.53         | 18.13 | 38.5        | PASS    |
|                |           |                |              | RB6#0   | 21.5          | 17.20 | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP   | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 22.61         | 18.23 | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 22.67         | 18.34 | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 22.6          | 18.24 | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 22.45         | 17.98 | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 22.41         | 18.10 | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 22.48         | 18.03 | 38.5        | PASS    |
|                |           |                |              | RB6#0   | 21.38         | 17.00 | 38.5        | PASS    |
|                |           | 3              | LCH          | RB1#0   | 22.62         | 18.35 | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 21.98         | 17.64 | 38.5        | PASS    |
|                |           |                |              | RB1#14  | 22.62         | 18.34 | 38.5        | PASS    |
|                |           |                |              | RB8#0   | 21.5          | 17.11 | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 21.48         | 17.02 | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 21.58         | 17.26 | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 21.56         | 17.28 | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 22.65         | 18.25 | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 22.17         | 17.95 | 38.5        | PASS    |
|                |           |                |              | RB1#14  | 22.61         | 18.16 | 38.5        | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP   | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB8#0   | 21.39         | 17.04 | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 21.33         | 17.09 | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 21.43         | 17.01 | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 21.45         | 16.98 | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 22.61         | 18.28 | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 21.74         | 17.43 | 38.5        | PASS    |
|                |           |                |              | RB1#14  | 22.56         | 18.31 | 38.5        | PASS    |
|                |           |                |              | RB8#0   | 21.34         | 16.88 | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 21.32         | 17.11 | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 21.27         | 16.95 | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 21.39         | 16.97 | 38.5        | PASS    |
|                |           | 5              | LCH          | RB1#0   | 22.65         | 18.39 | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 22.67         | 18.20 | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 22.62         | 18.31 | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 21.56         | 17.19 | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 21.48         | 17.03 | 38.5        | PASS    |
|                |           |                |              | RB12#13 | 21.54         | 17.07 | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP   | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB25#0  | 21.49         | 17.00 | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 22.69         | 18.36 | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 22.69         | 18.45 | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 22.66         | 18.24 | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 21.49         | 17.22 | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 21.44         | 17.02 | 38.5        | PASS    |
|                |           |                |              | RB12#13 | 21.51         | 17.16 | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 21.45         | 16.98 | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 22.8          | 18.39 | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 22.83         | 18.40 | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 22.9          | 18.70 | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 21.47         | 17.16 | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 21.46         | 17.09 | 38.5        | PASS    |
|                |           |                |              | RB12#13 | 21.45         | 16.99 | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 21.53         | 17.14 | 38.5        | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.71         | 18.26 | 38.5        | PASS    |
|                |           |                |              | RB1#25  | 22.43         | 18.06 | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP   | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB1#49  | 22.67         | 18.43 | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 21.49         | 17.13 | 38.5        | PASS    |
|                |           |                |              | RB25#13 | 21.48         | 17.15 | 38.5        | PASS    |
|                |           |                |              | RB25#25 | 21.49         | 17.10 | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 21.55         | 17.20 | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 22.69         | 18.44 | 38.5        | PASS    |
|                |           |                |              | RB1#25  | 22.48         | 18.04 | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 22.63         | 18.32 | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 21.43         | 17.15 | 38.5        | PASS    |
|                |           |                |              | RB25#13 | 21.46         | 17.09 | 38.5        | PASS    |
|                |           |                |              | RB25#25 | 21.42         | 17.00 | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 21.4          | 16.98 | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 22.59         | 18.15 | 38.5        | PASS    |
|                |           |                |              | RB1#25  | 22.41         | 18.02 | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 22.52         | 18.31 | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 21.38         | 16.95 | 38.5        | PASS    |
|                |           |                |              | RB25#13 | 21.46         | 17.09 | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP   | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB25#25 | 21.45         | 16.99 | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 21.4          | 16.91 | 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:

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

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

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

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   | 4.37         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.4          | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.93         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.96         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.71         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.49         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.13         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.24         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.19         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.77         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 3.77         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 3.84         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 3.66         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.36         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.28         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.36         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.29         | 13         | PASS    |
|                    |           | 3                    | LCH          | RB1#0   | 4.5          | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.63         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.58         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.57         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.77         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.63         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.66         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB8#0   | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.4          | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.62         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.69         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 3.82         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4            | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 3.62         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.07         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 4.98         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.47         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 4.55         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.47         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.5          | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.48         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.99         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.68         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.61         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.95         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.29         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 3.89         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 3.76         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.26         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.99         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.01         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.47         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.3          | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.34         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.54         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.84         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      | MCH          | RB1#0   | 4.34         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.6          | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.16         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.67         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.58         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.25         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.39         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 3.99         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.79         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.42         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.07         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.07         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.72         | 13         | PASS    |
|                    | LTE/TM2   | 1.4                  | LCH          | RB1#0   | 5.36         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.63         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.32         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.6          | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.52         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.63         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.28         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.42         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.55         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 6.06         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.5          | 13         | PASS    |
|                    |           | 3                    | HCH          | RB1#0   | 4.67         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.93         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.65         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.2          | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.26         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.04         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 5.38         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.32         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 6.01         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB8#4   | 6            | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.49         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.6          | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.87         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.54         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 6.05         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.98         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 6.11         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.32         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.59         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.52         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.84         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.8          | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.82         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.25         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 5.2          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.24         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.1          | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.27         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.37         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.21         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.28         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.49         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.49         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.5          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.88         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.65         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.56         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.36         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.94         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.9          | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.75         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.25         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 5.26         | 13         | PASS    |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#25  | 5.55         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.26         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.37         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.35         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.44         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.62         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.4          | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.7          | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.46         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.49         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.56         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.94         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.92         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.51         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.22         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.22         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.99         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.09         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.57         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

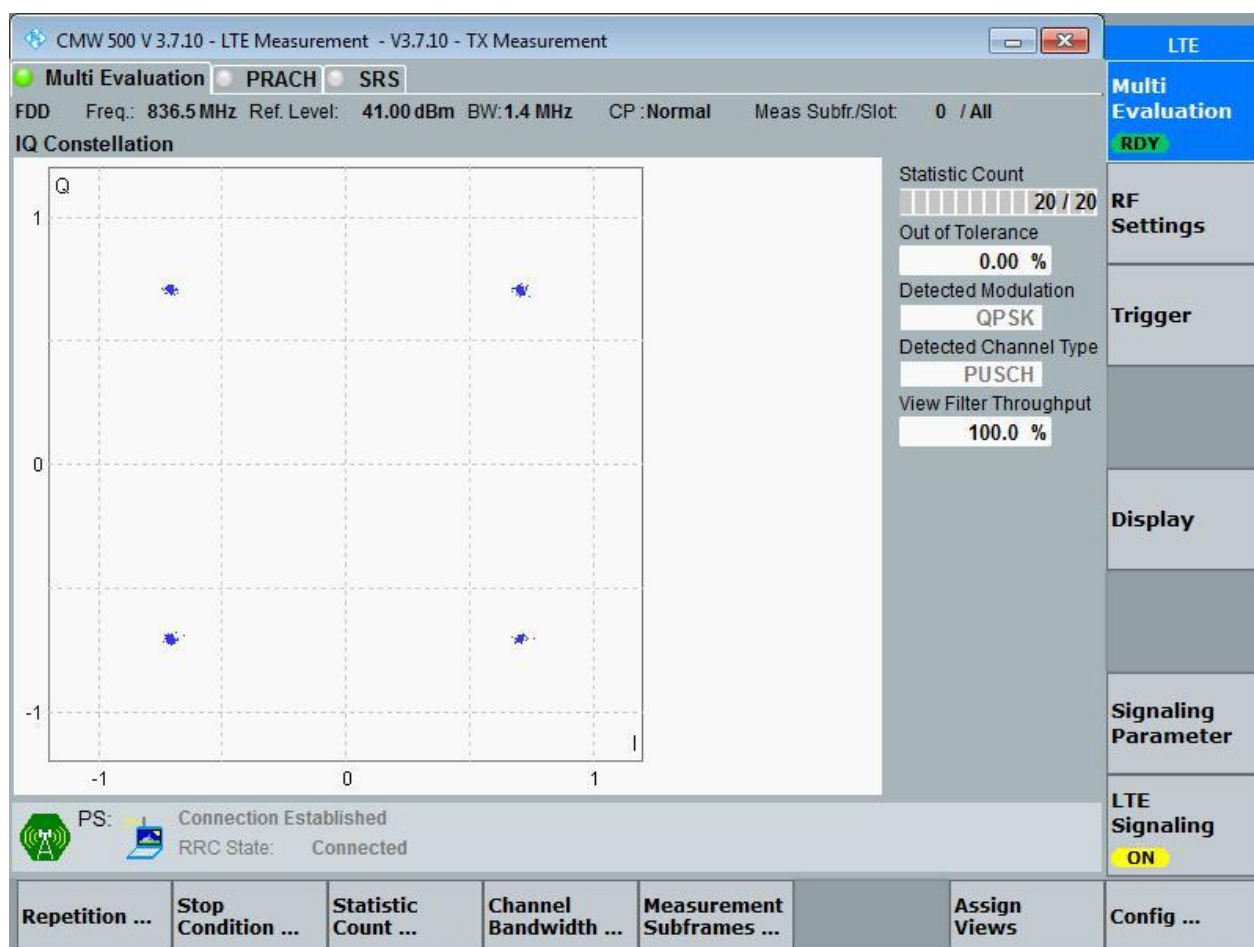
##### 3.1.1 Test Band = BAND5

##### 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

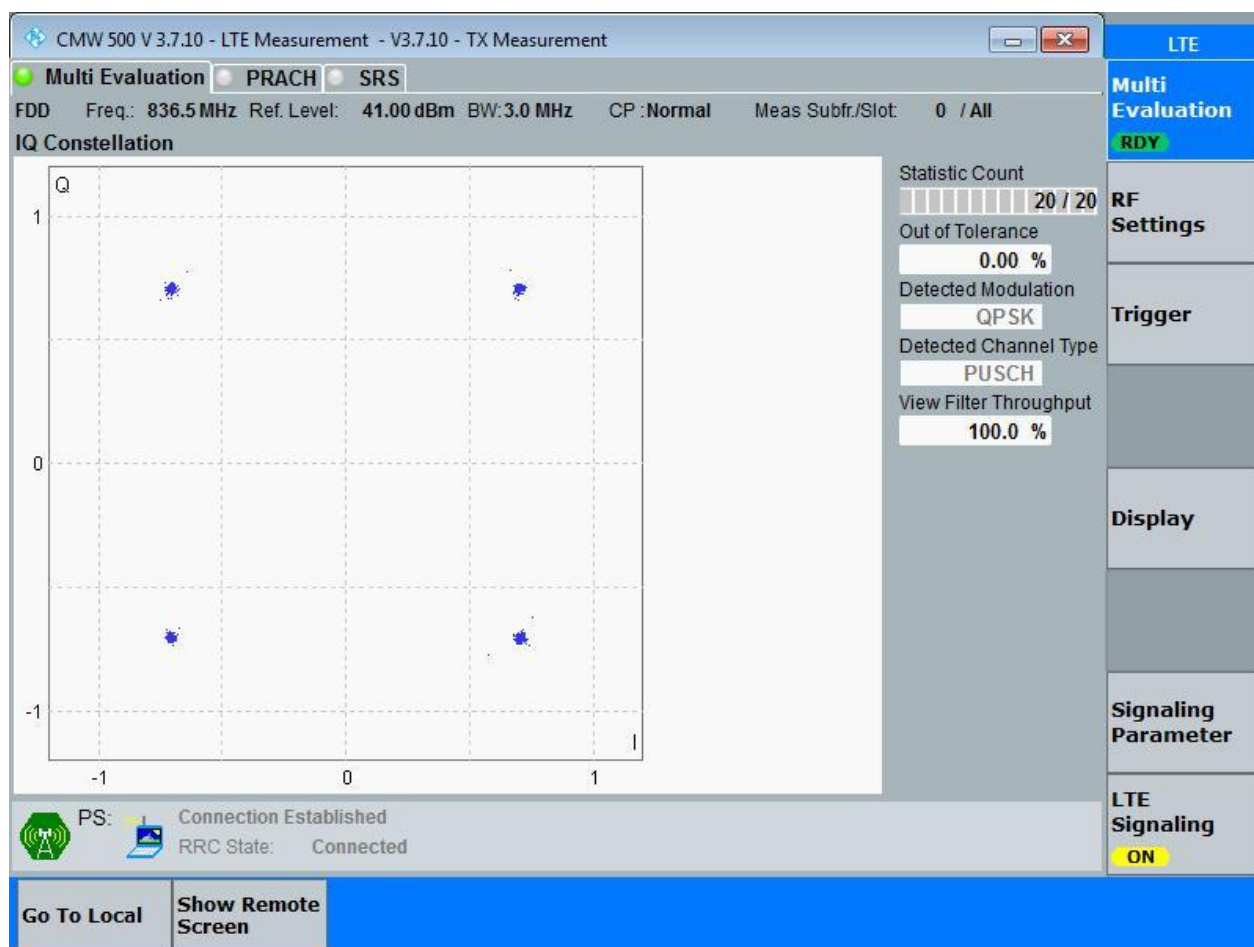
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

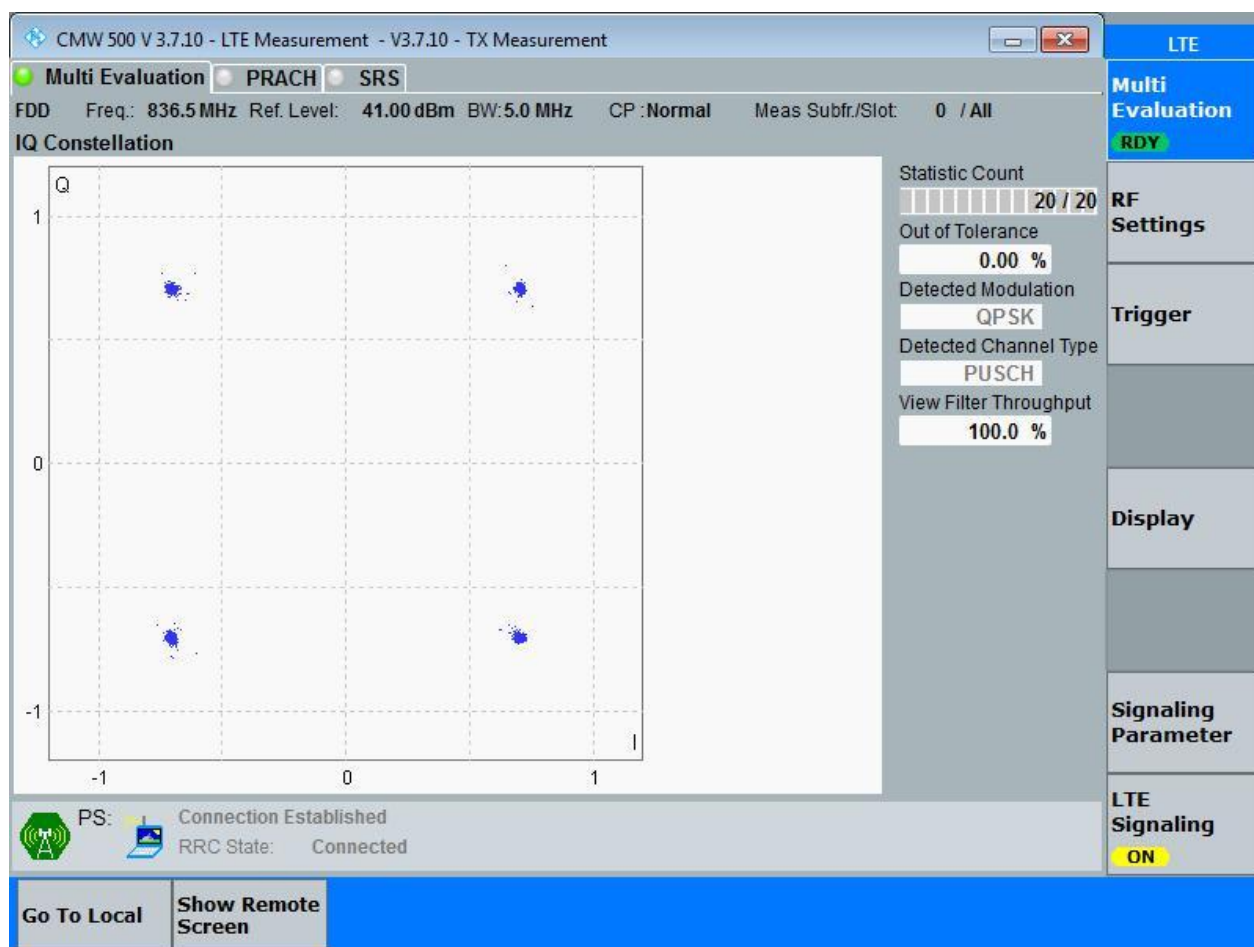
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

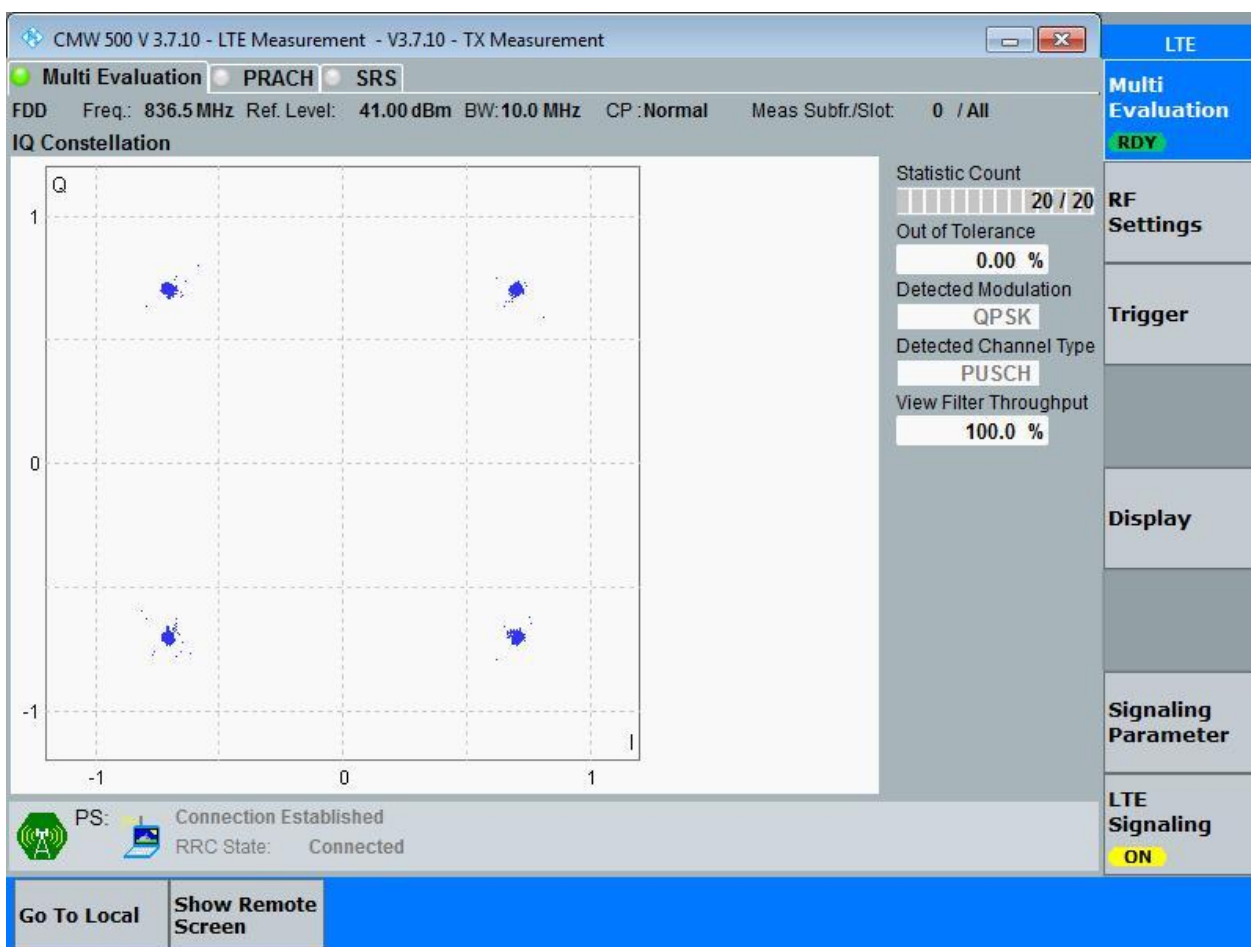
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 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

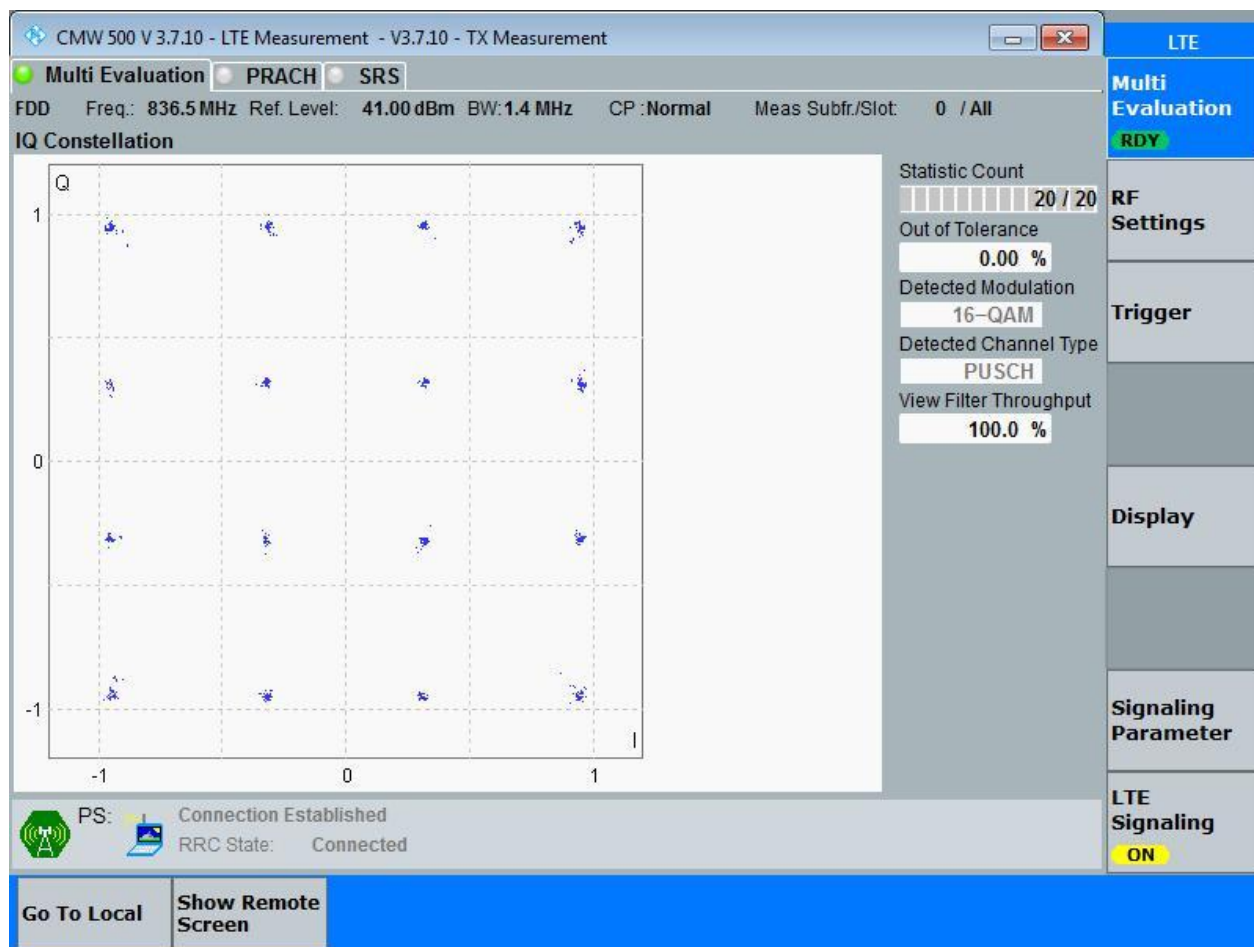


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 1.4

##### 3.1.1.2.1.1 Test Channel = MCH

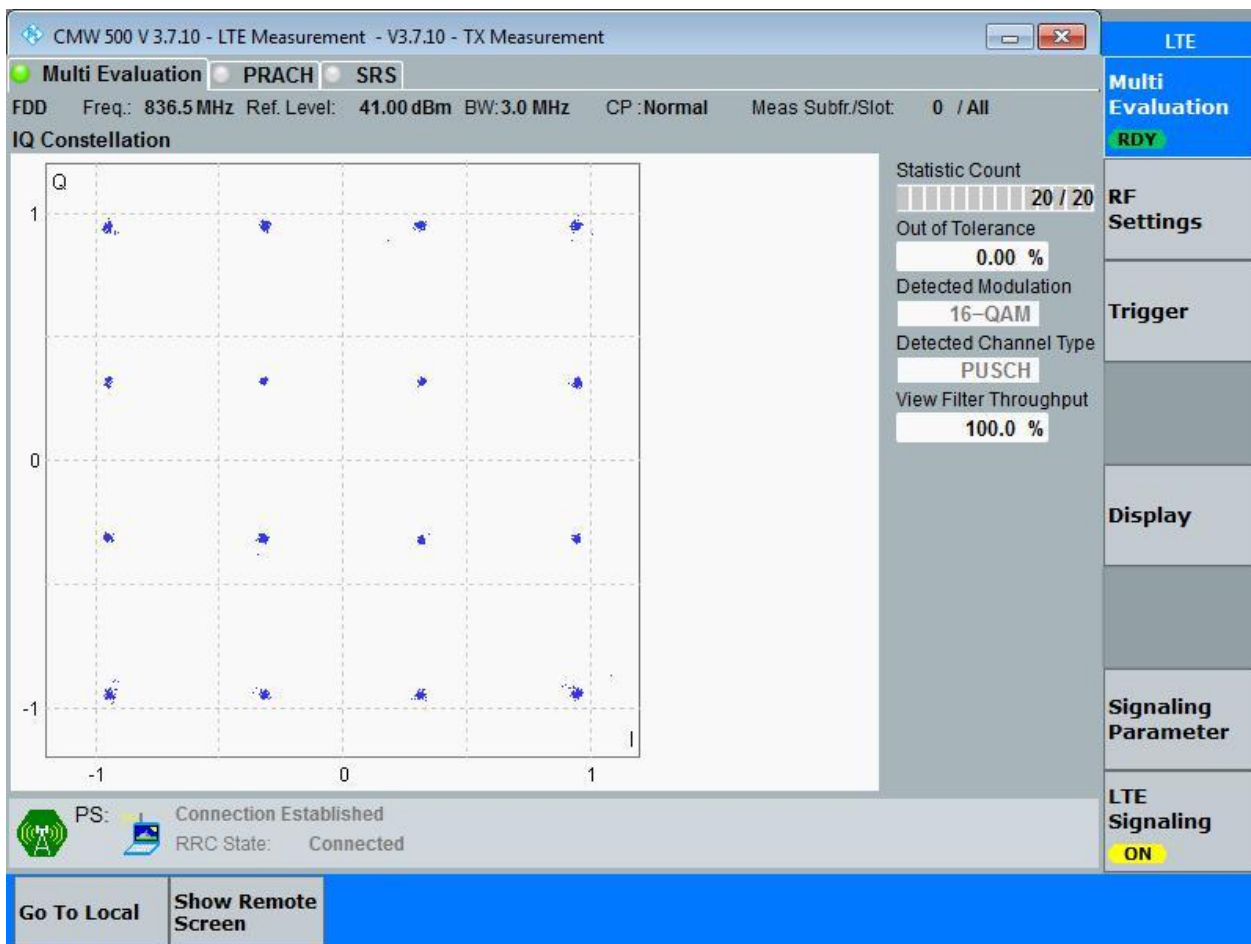
###### 3.1.1.2.1.1.1 Test RB = RB6#0



### 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

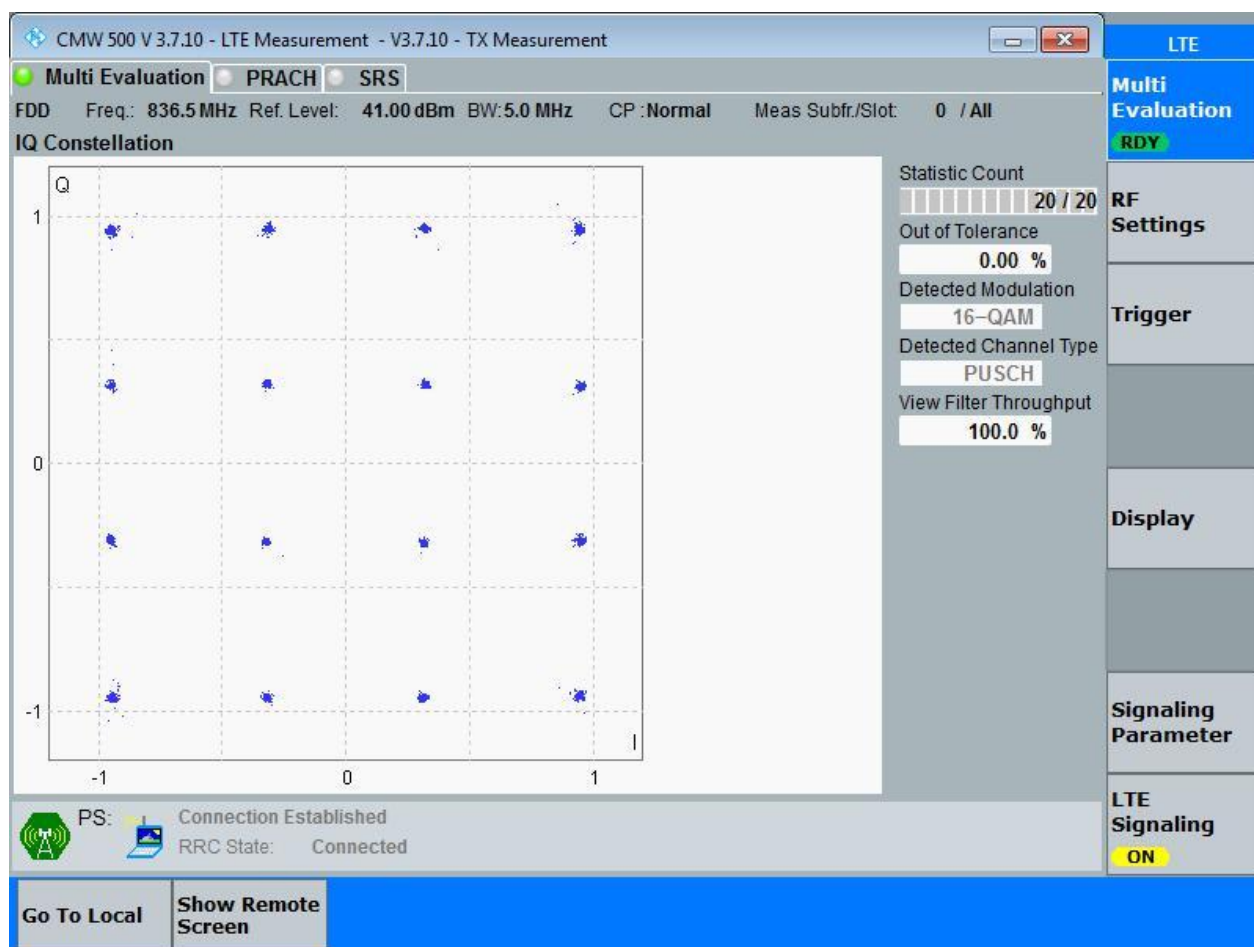




### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

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

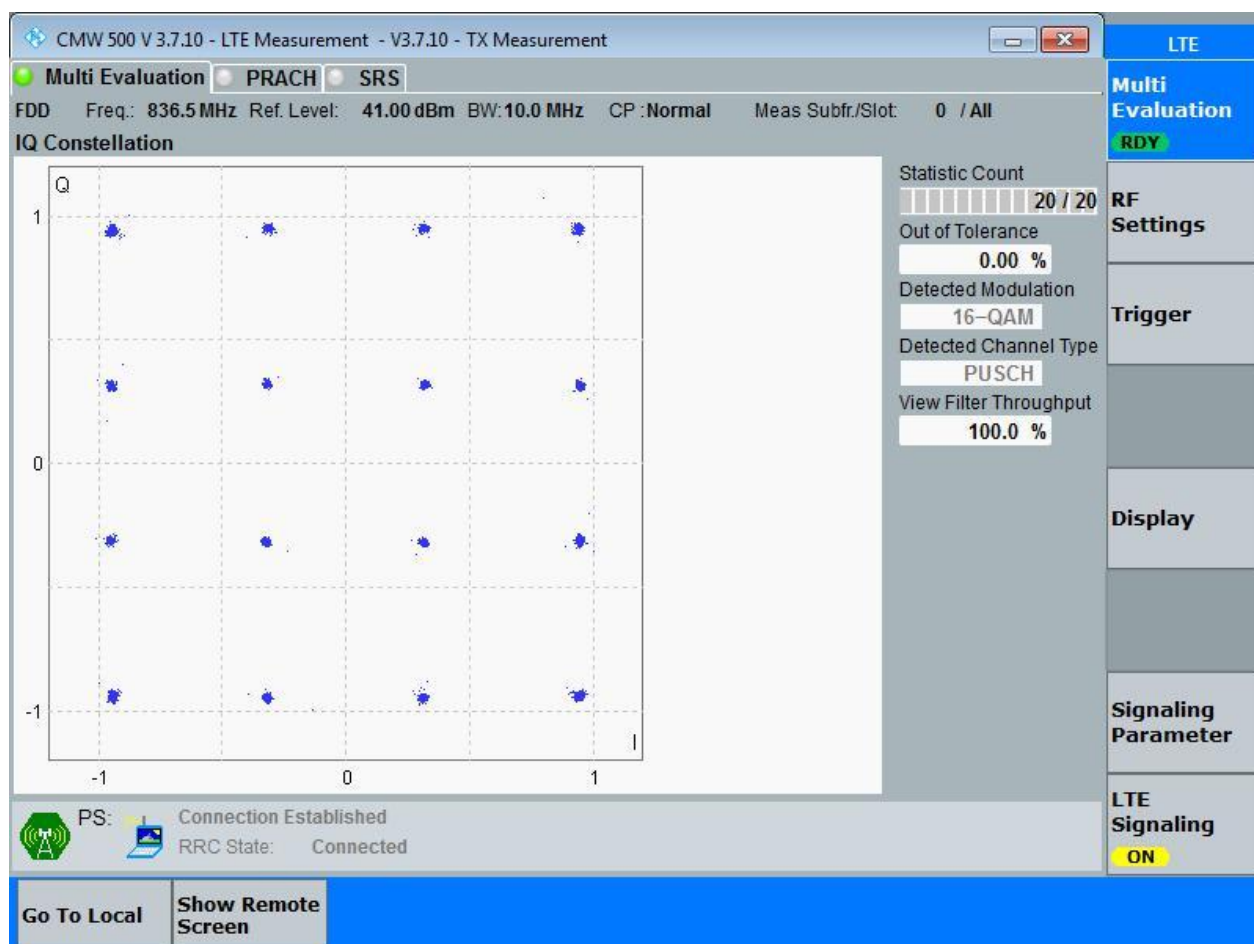




### 3.1.1.2.4 Test Bandwidth = 10

#### 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   | 1.10                     | 1.24                     | Pass    |
|           |           |                | MCH          | RB6#0   | 1.10                     | 1.24                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.09                     | 1.24                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.70                     | 2.97                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.72                     | 2.98                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.71                     | 2.98                     | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.51                     | 4.99                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.52                     | 5.01                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.52                     | 4.98                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 9.01                     | 9.93                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.99                     | 9.90                     | Pass    |
|           |           |                | HCH          | RB50#0  | 9.00                     | 9.96                     | Pass    |
|           | LTE/TM2   | 1.4            | LCH          | RB6#0   | 1.09                     | 1.24                     | Pass    |
|           |           |                | MCH          | RB6#0   | 1.09                     | 1.23                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.10                     | 1.24                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.71                     | 3.00                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.71                     | 2.99                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.71                     | 3.00                     | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.52                     | 5.00                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.51                     | 4.99                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.52                     | 4.97                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 9.02                     | 9.91                     | Pass    |
|           |           |                | MCH          | RB50#0  | 9.01                     | 9.97                     | Pass    |
|           |           |                | HCH          | RB50#0  | 9.01                     | 9.99                     | Pass    |



## Part II - Test Plots

### 4.1 For LTE

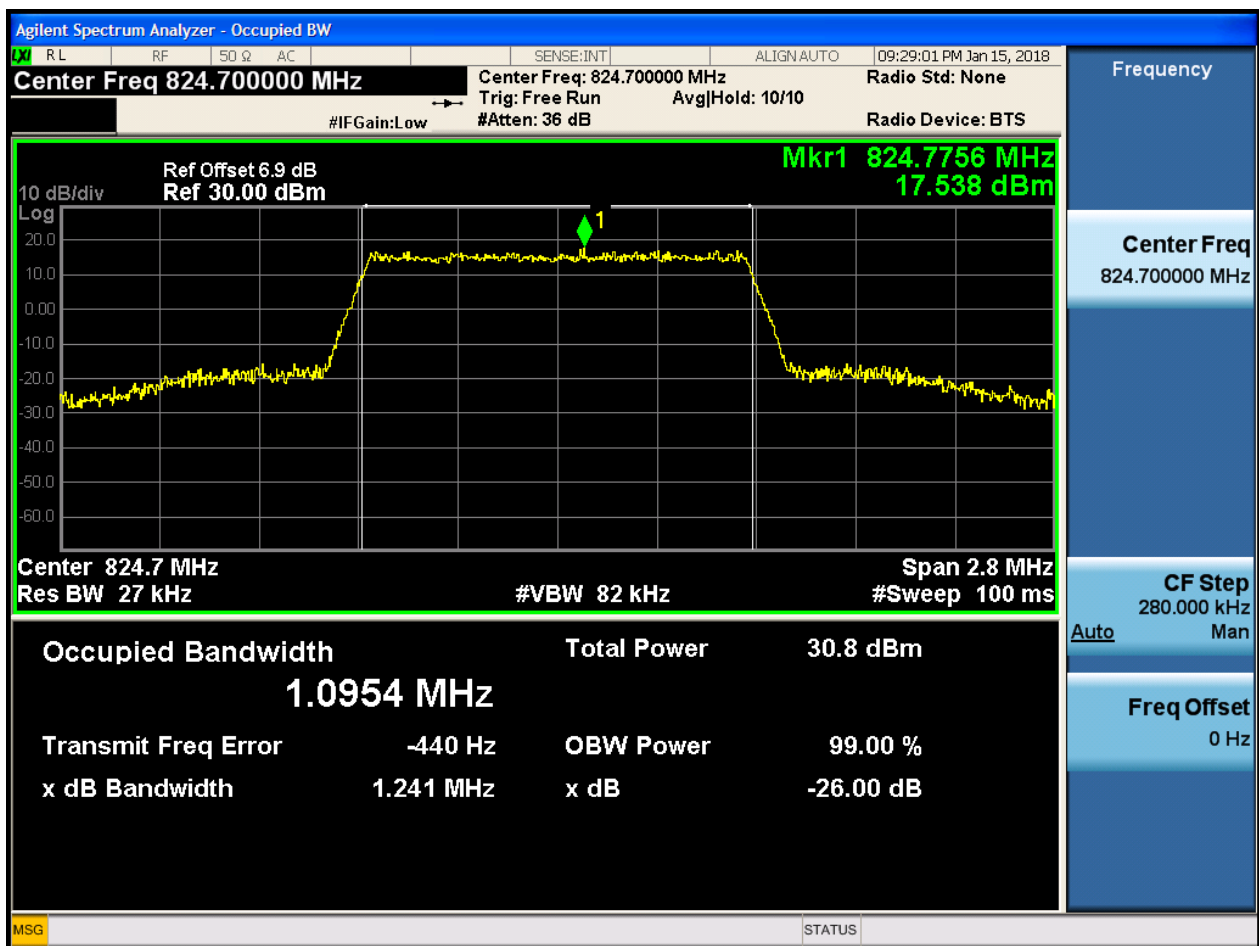
#### 4.1.1 Test Band = BAND5

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

##### 4.1.1.1.1 Test Bandwidth = 1.4

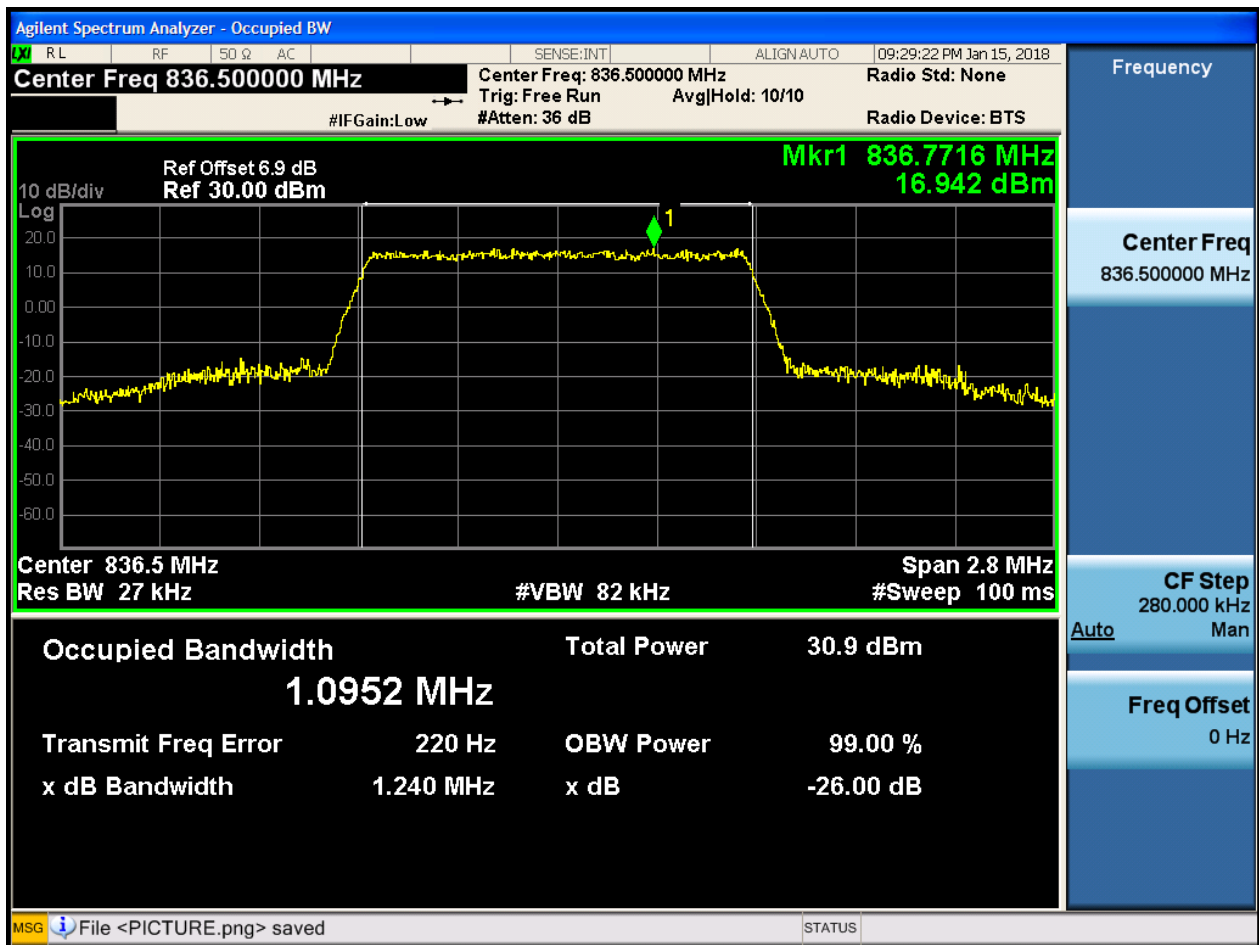
##### 4.1.1.1.1.1 Test Channel = LCH

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



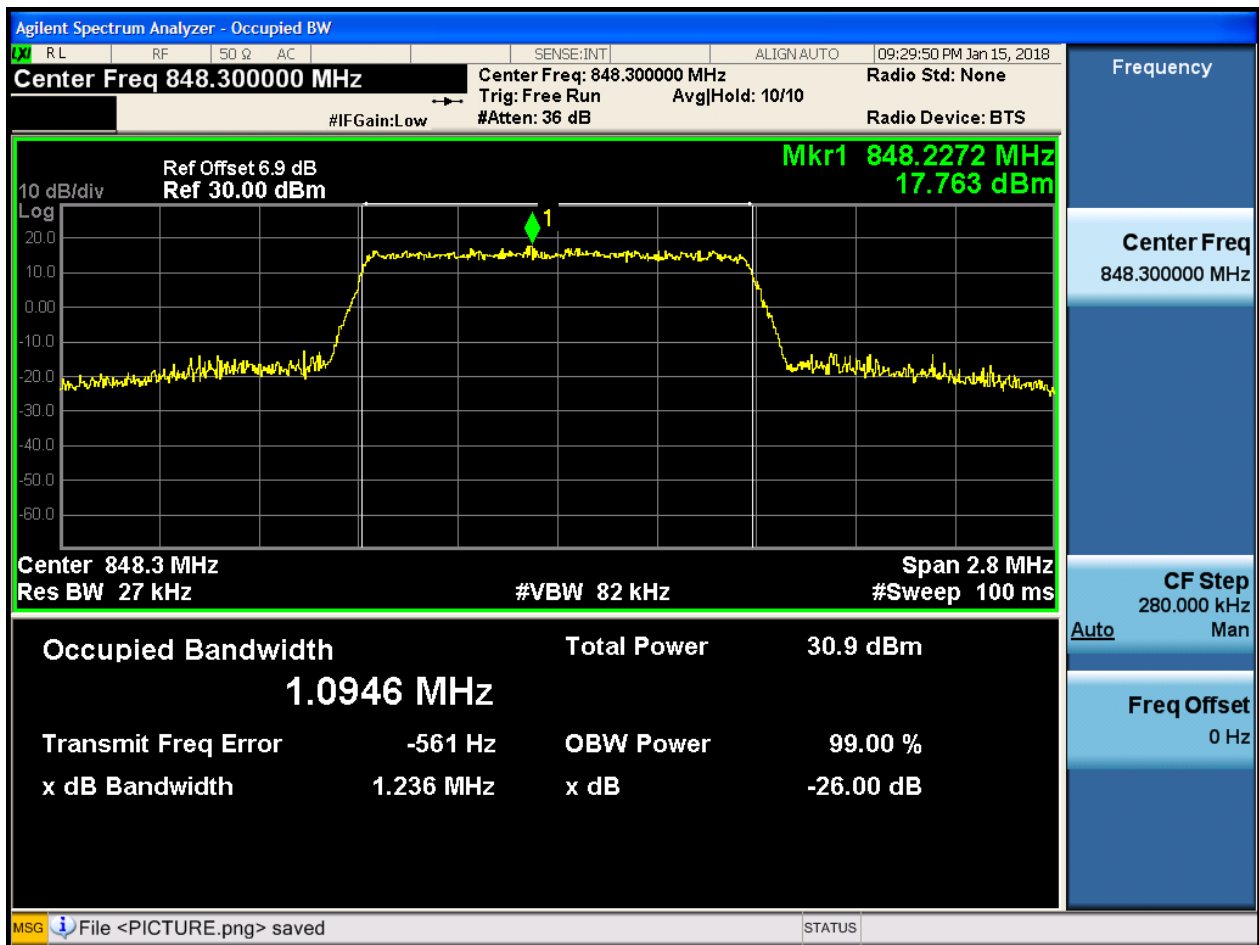
#### 4.1.1.1.1.2 Test Channel = MCH

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



#### 4.1.1.1.1.3 Test Channel = HCH

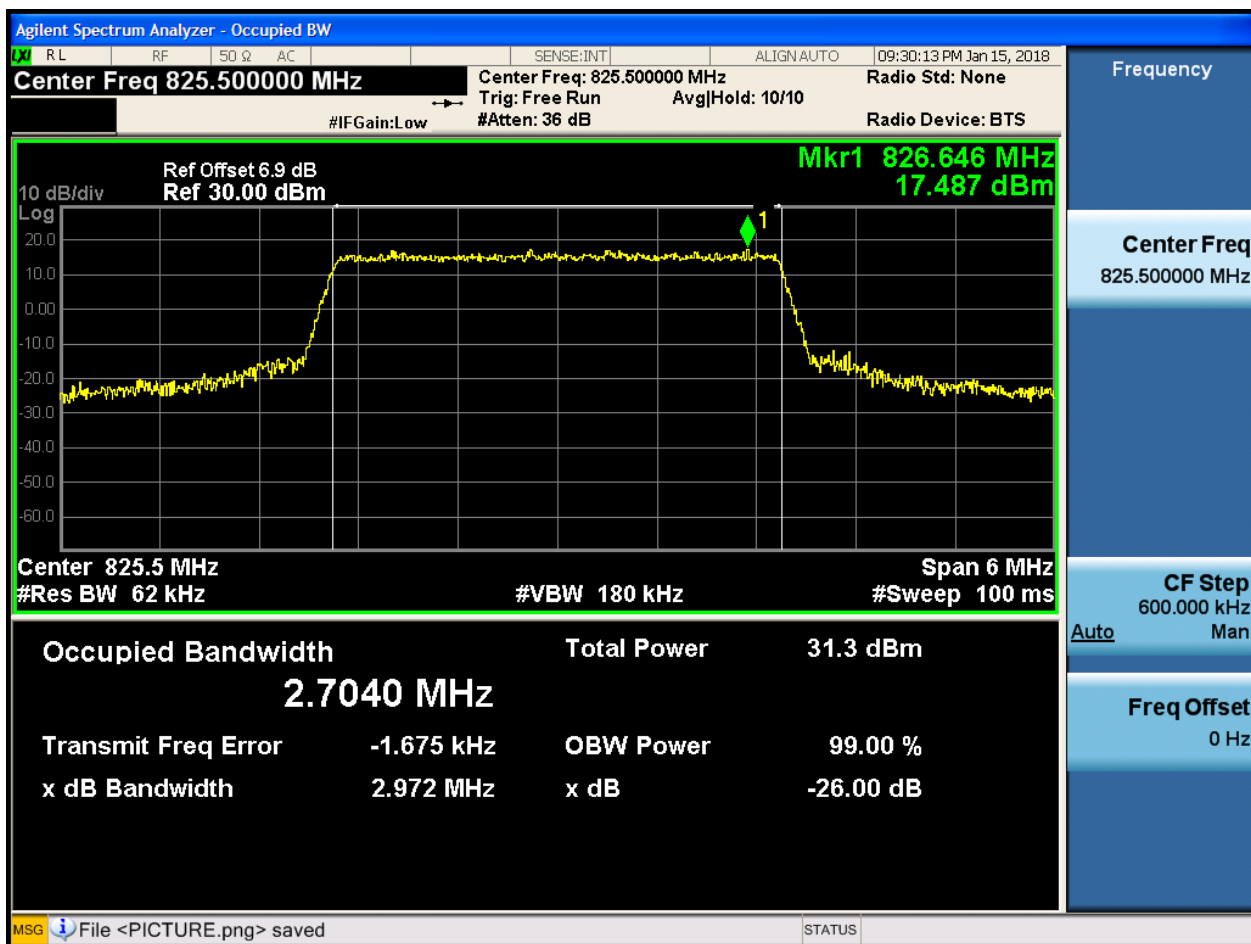
##### 4.1.1.1.1.3.1 Test RB = RB6#0



#### 4.1.1.1.2 Test Bandwidth = 3

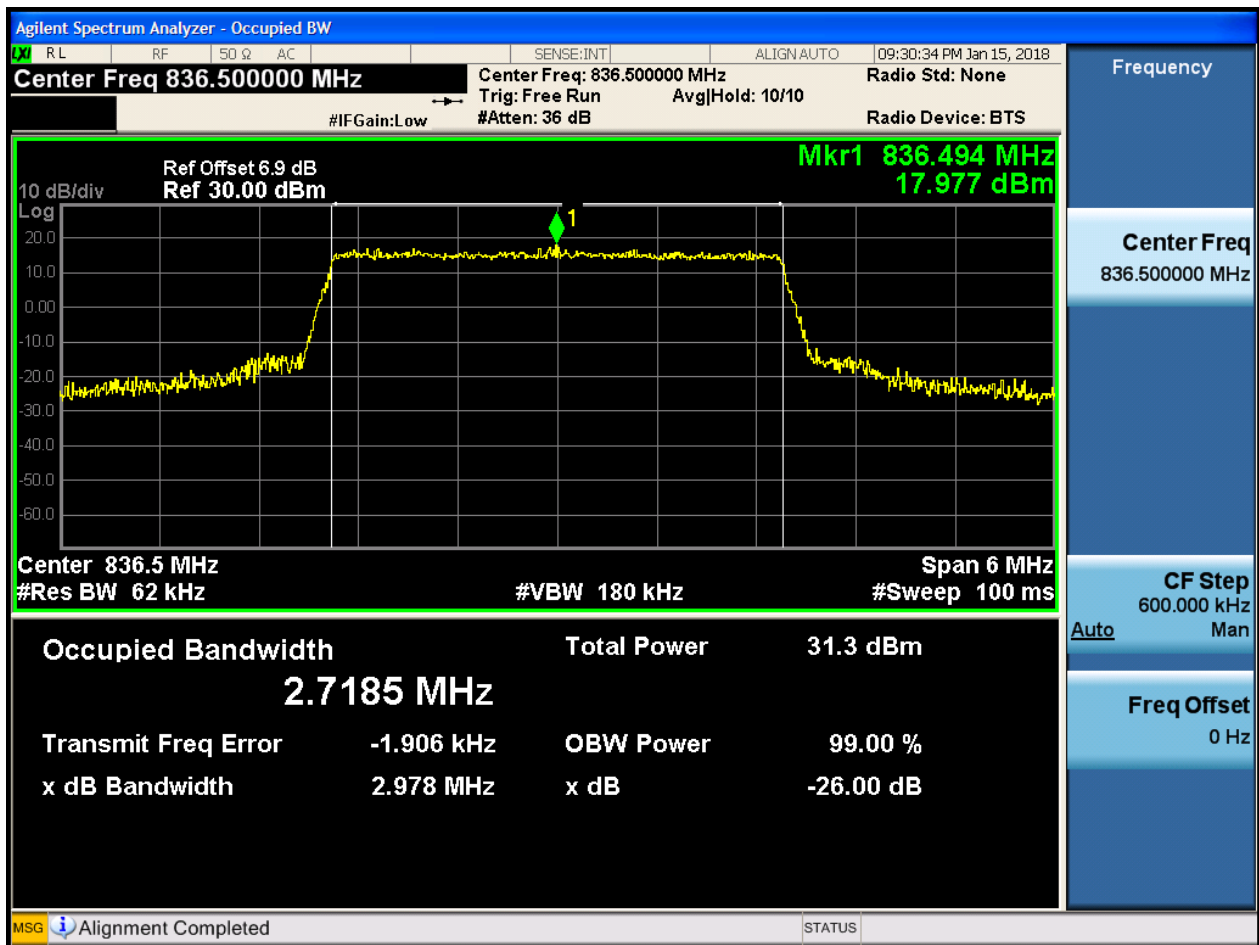
##### 4.1.1.1.2.1 Test Channel = LCH

##### 4.1.1.1.2.1.1 Test RB = RB15#0



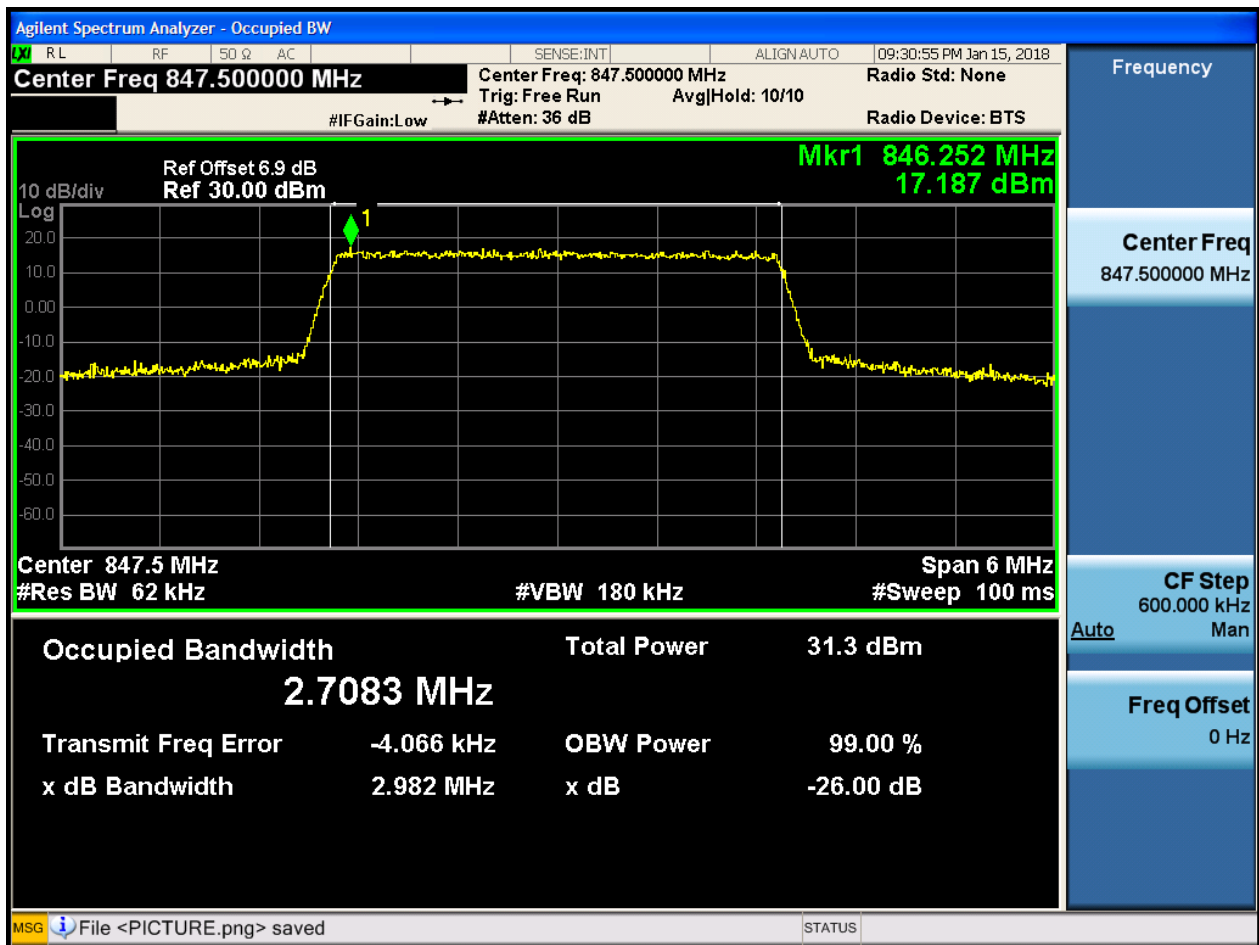
#### 4.1.1.1.2.2 Test Channel = MCH

##### 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

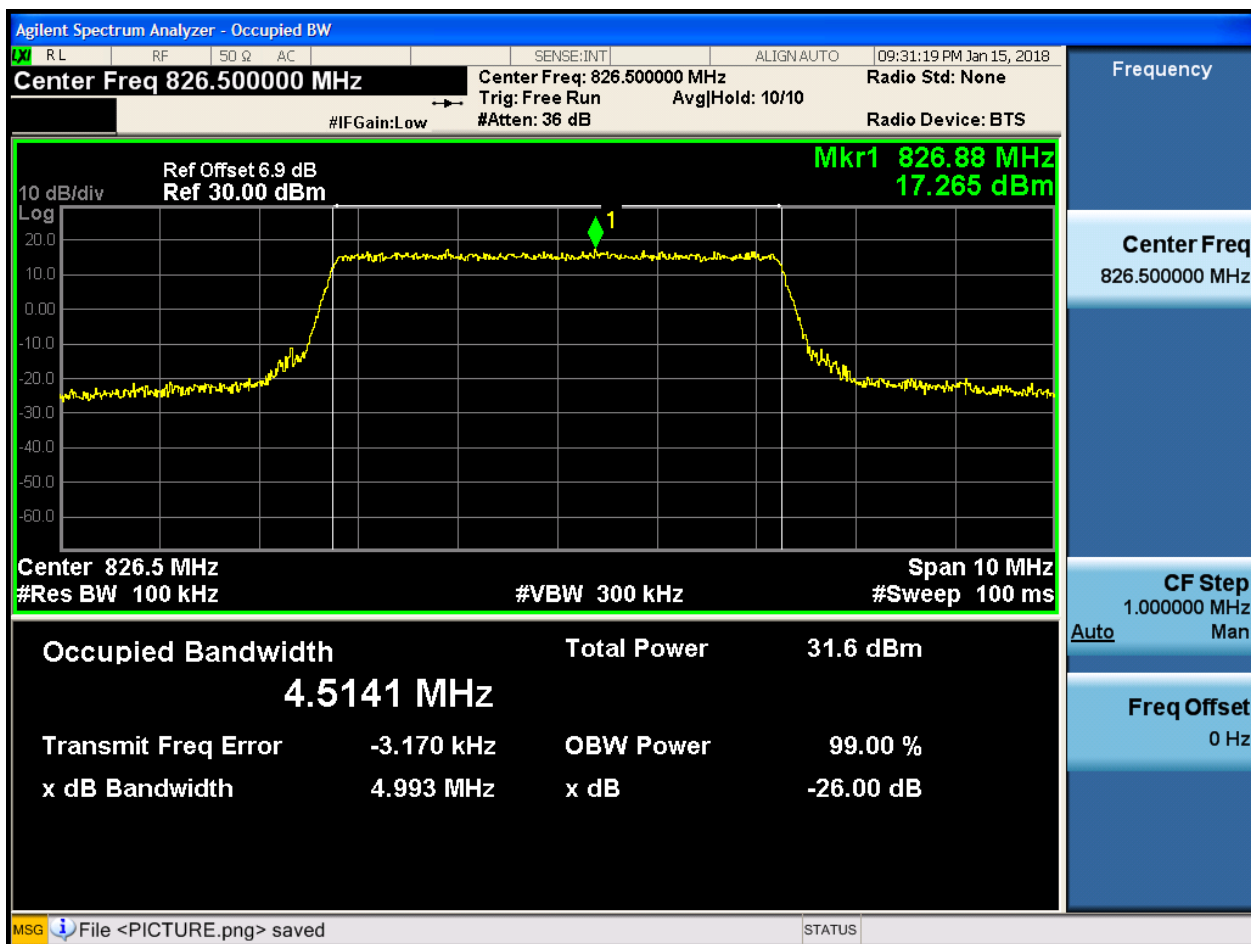




#### 4.1.1.1.3 Test Bandwidth = 5

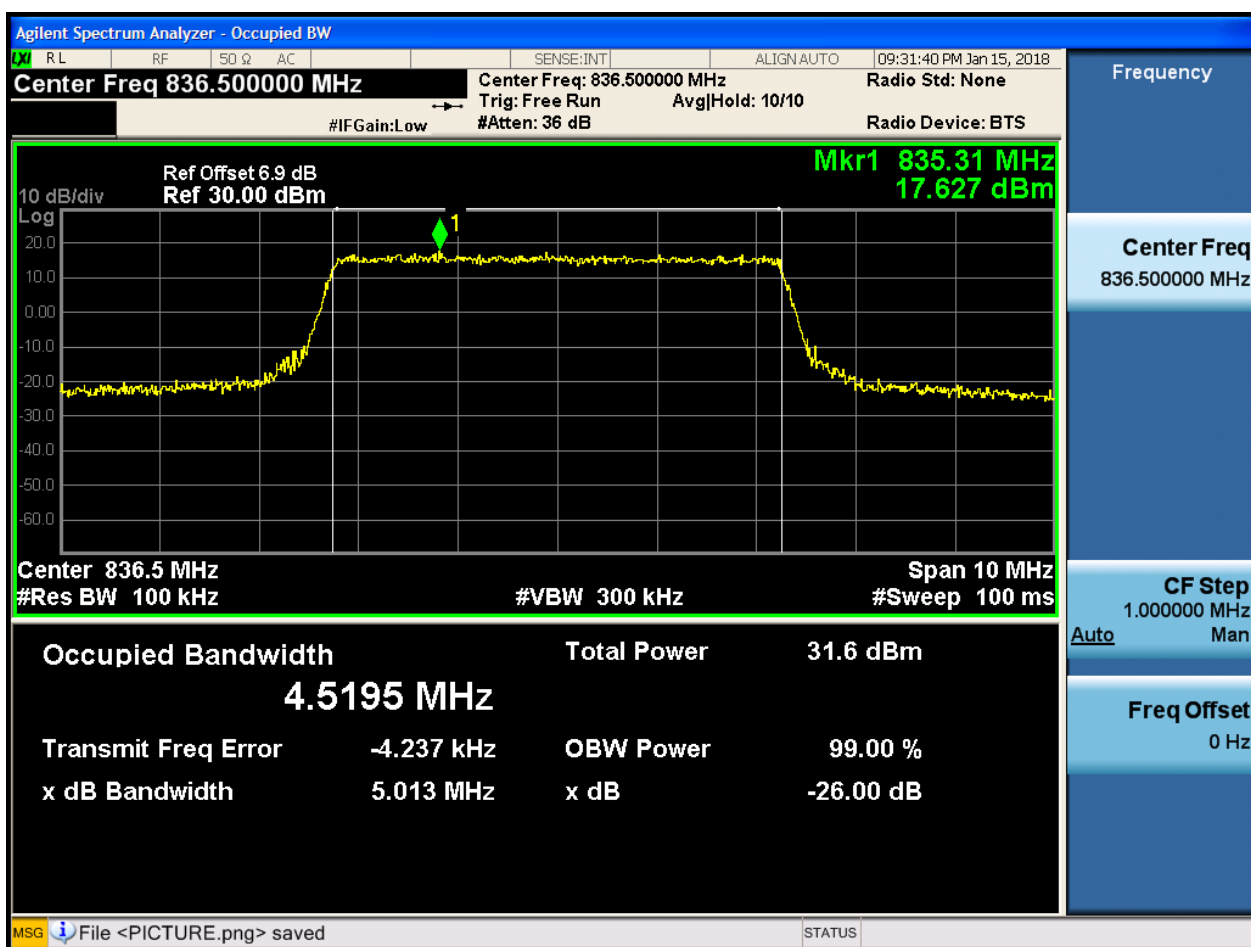
##### 4.1.1.1.3.1 Test Channel = LCH

##### 4.1.1.1.3.1.1 Test RB = RB25#0



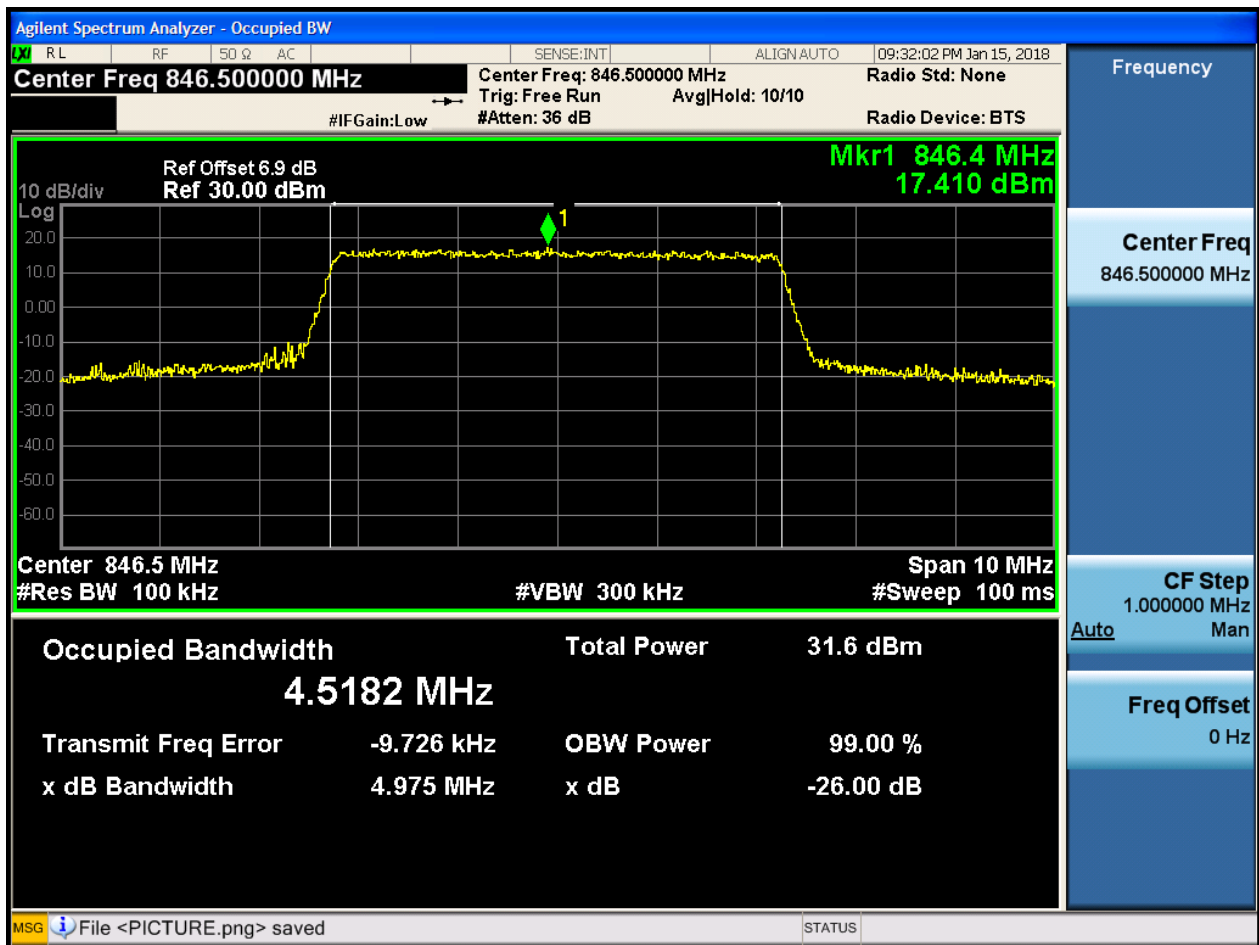
#### 4.1.1.1.3.2 Test Channel = MCH

##### 4.1.1.1.3.2.1 Test RB = RB25#0



#### 4.1.1.1.3.3 Test Channel = HCH

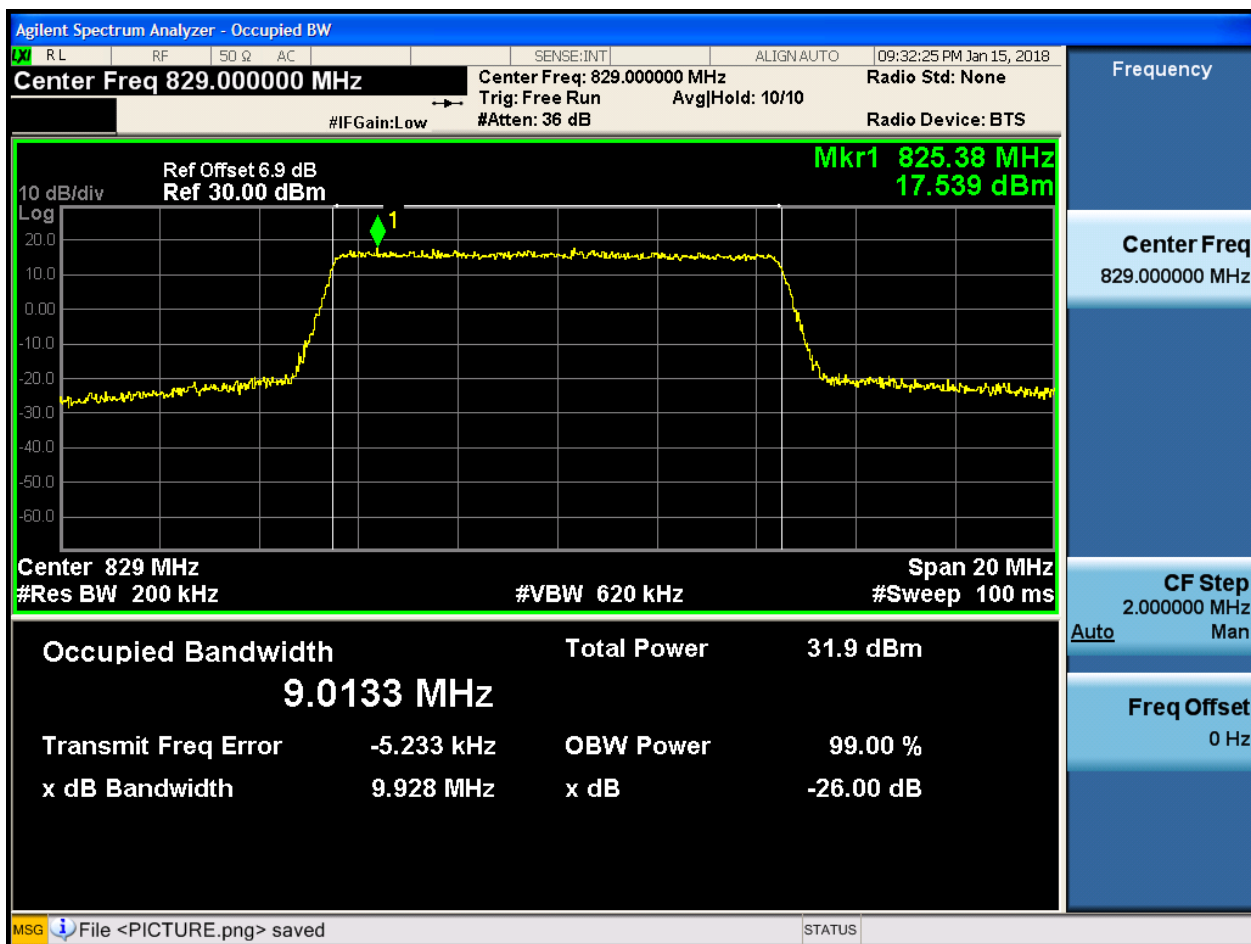
##### 4.1.1.1.3.3.1 Test RB = RB25#0



#### 4.1.1.1.4 Test Bandwidth = 10

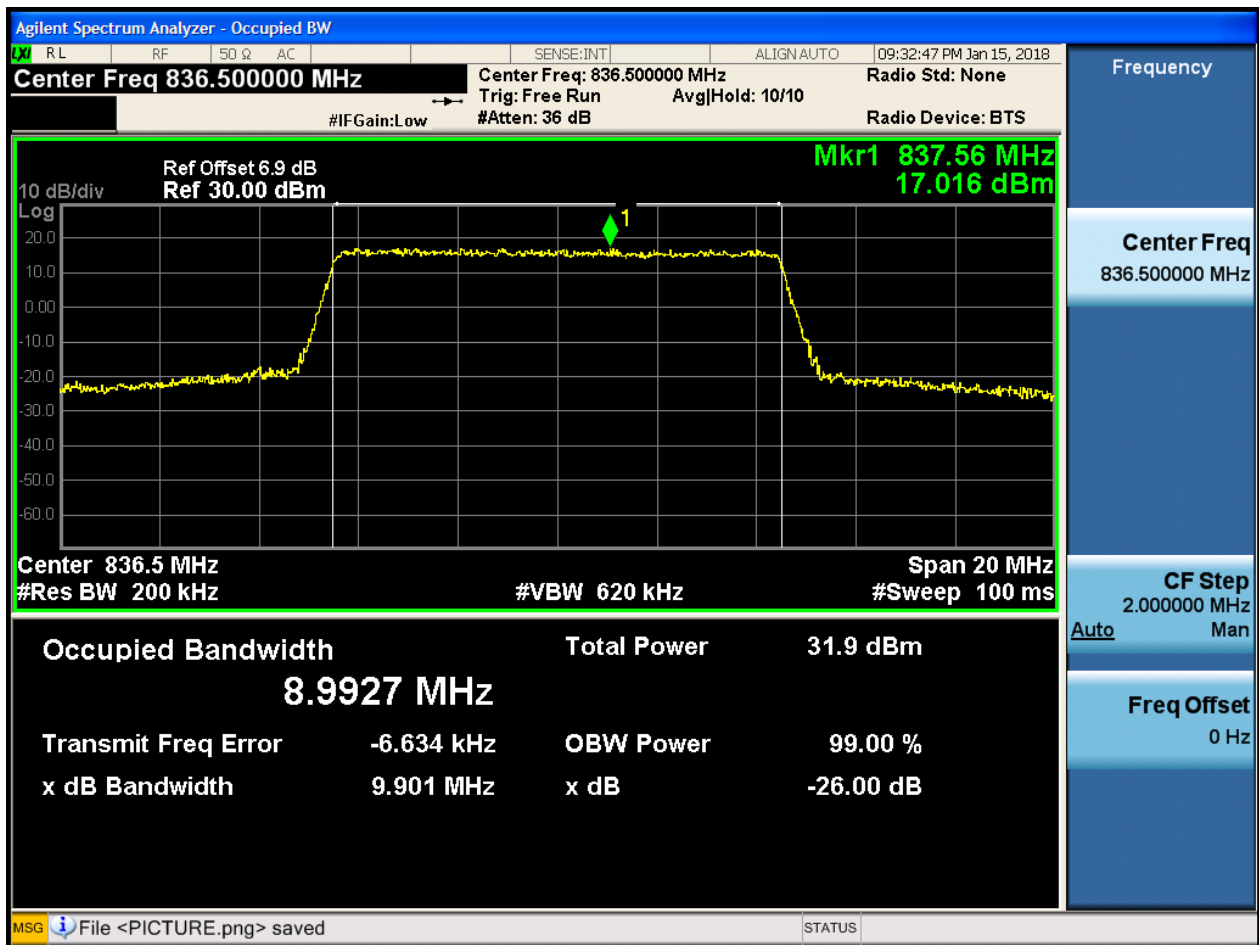
##### 4.1.1.1.4.1 Test Channel = LCH

##### 4.1.1.1.4.1.1 Test RB = RB50#0



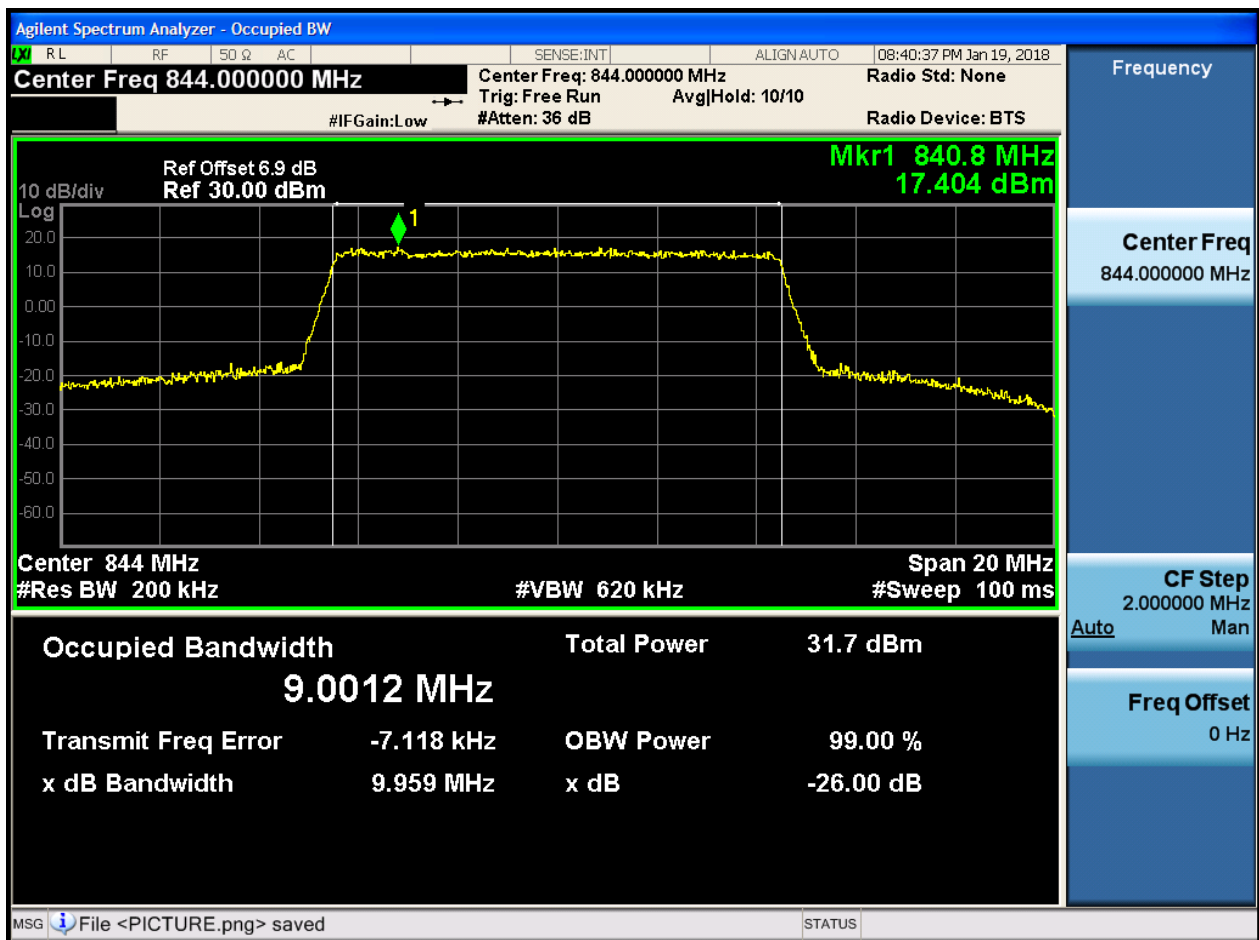
#### 4.1.1.1.4.2 Test Channel = MCH

##### 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

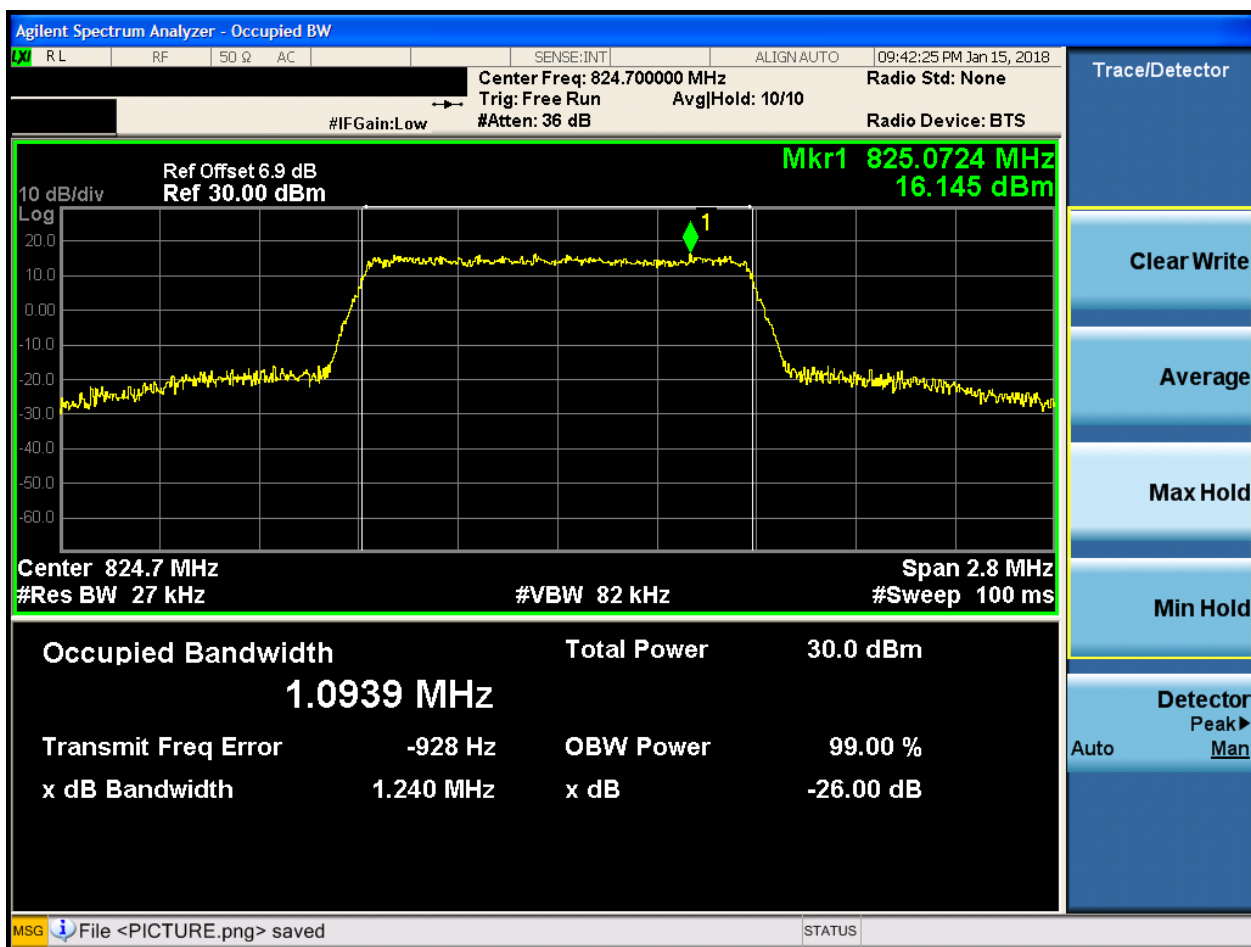


#### 4.1.1.2 Test Mode = LTE/TM2

##### 4.1.1.2.1 Test Bandwidth = 1.4

##### 4.1.1.2.1.1 Test Channel = LCH

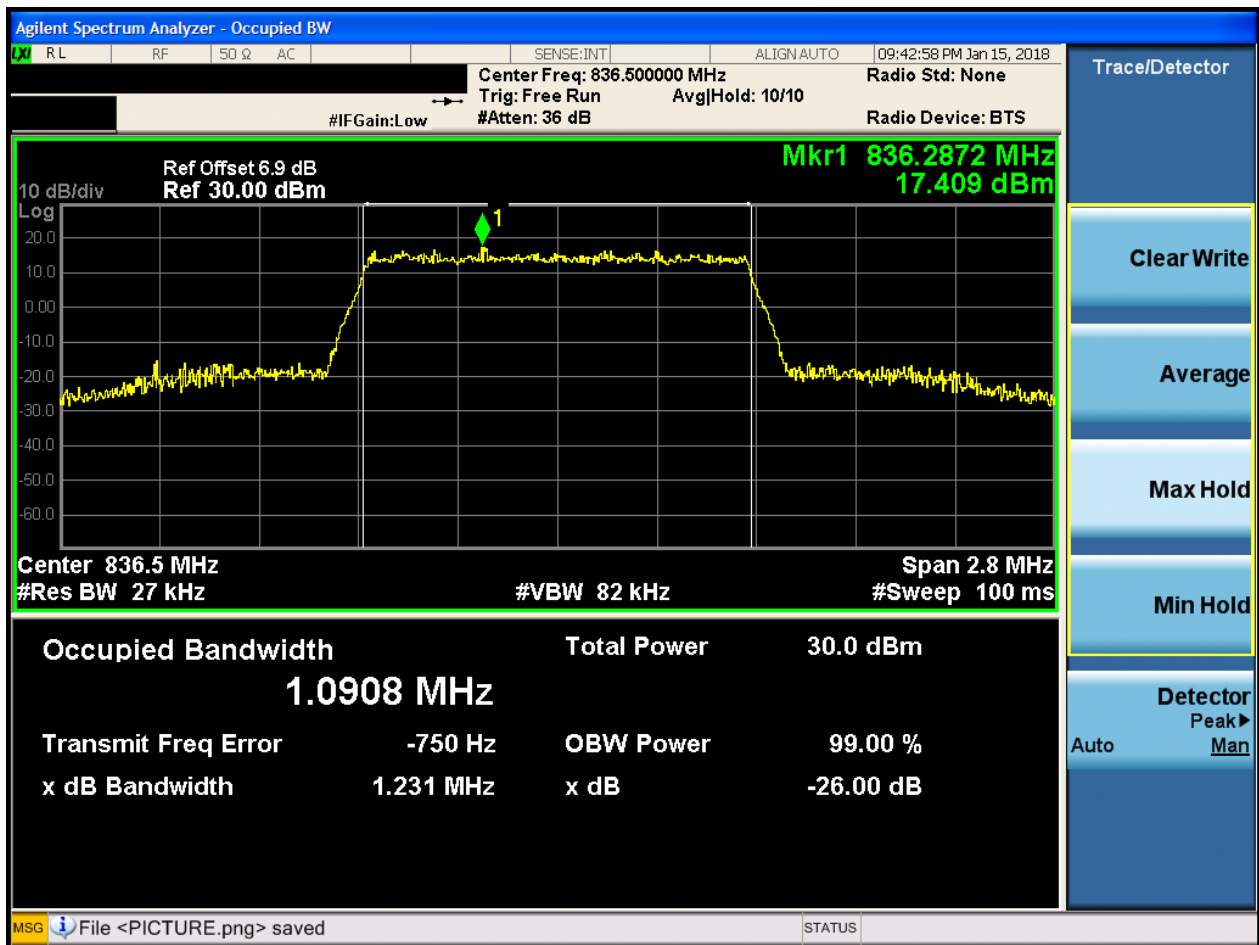
##### 4.1.1.2.1.1.1 Test RB = RB6#0





## 4.1.1.2.1.2 Test Channel = MCH

## 4.1.1.2.1.2.1 Test RB = RB6#0

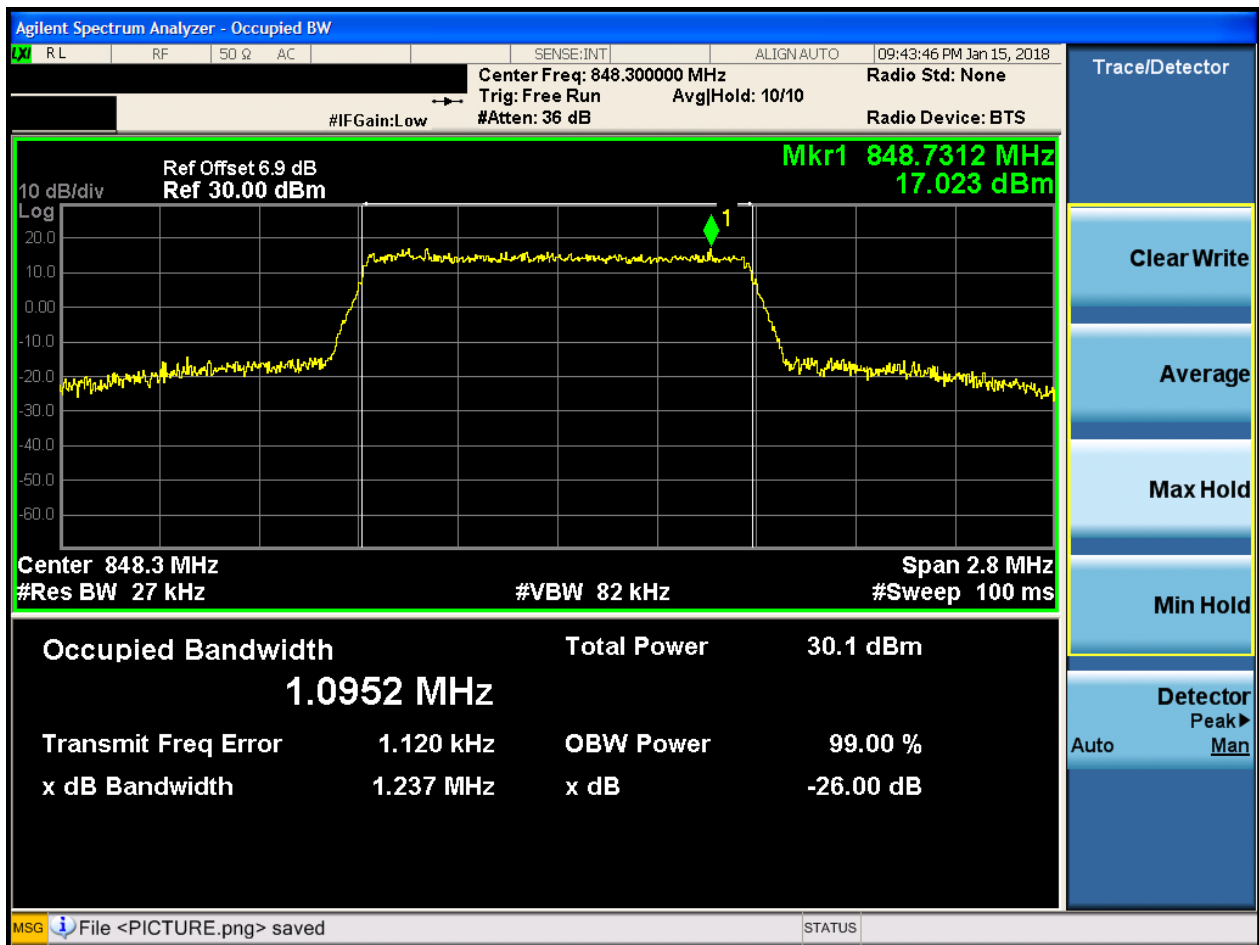






## 4.1.1.2.1.3 Test Channel = HCH

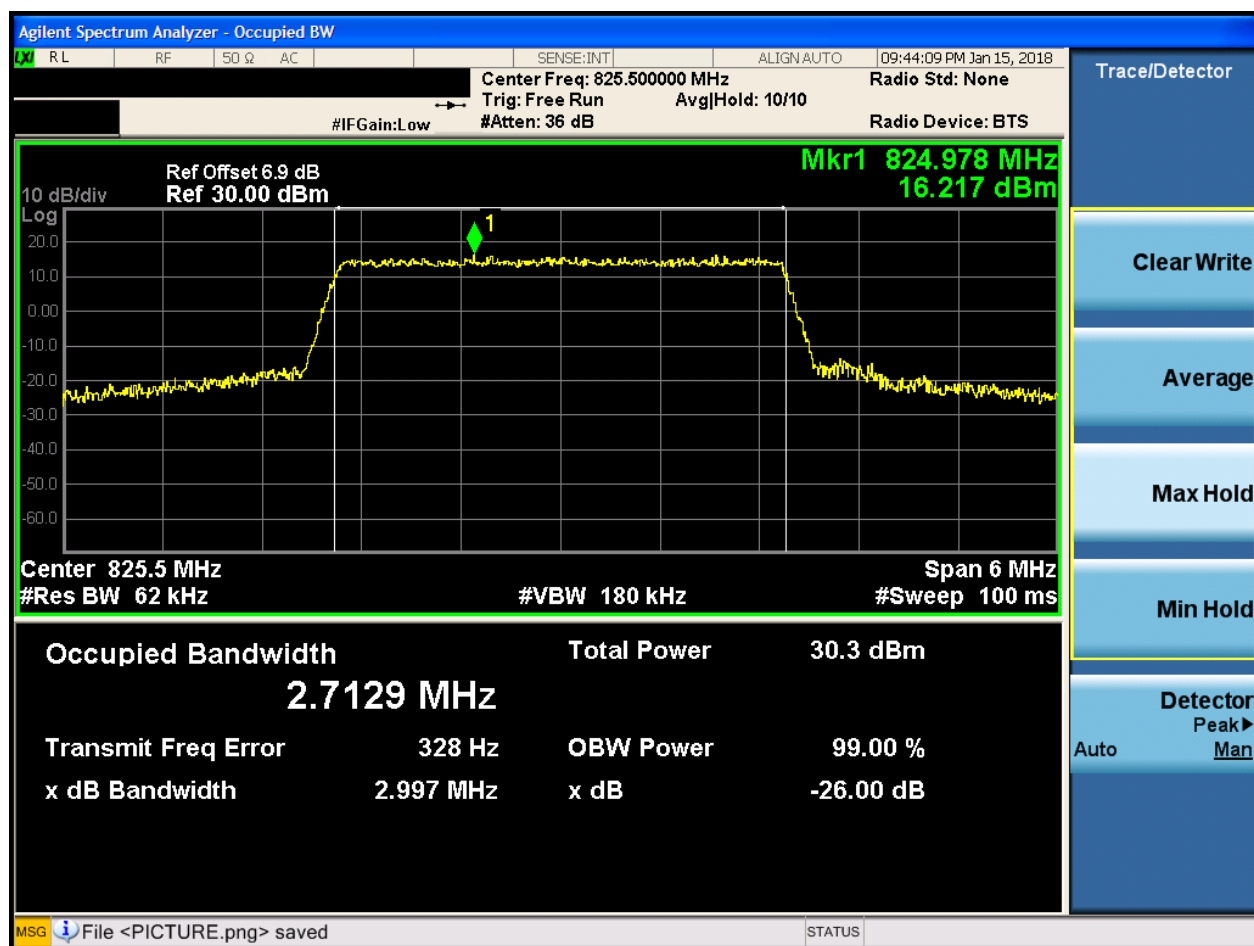
## 4.1.1.2.1.3.1 Test RB = RB6#0



#### 4.1.1.2.2 Test Bandwidth = 3

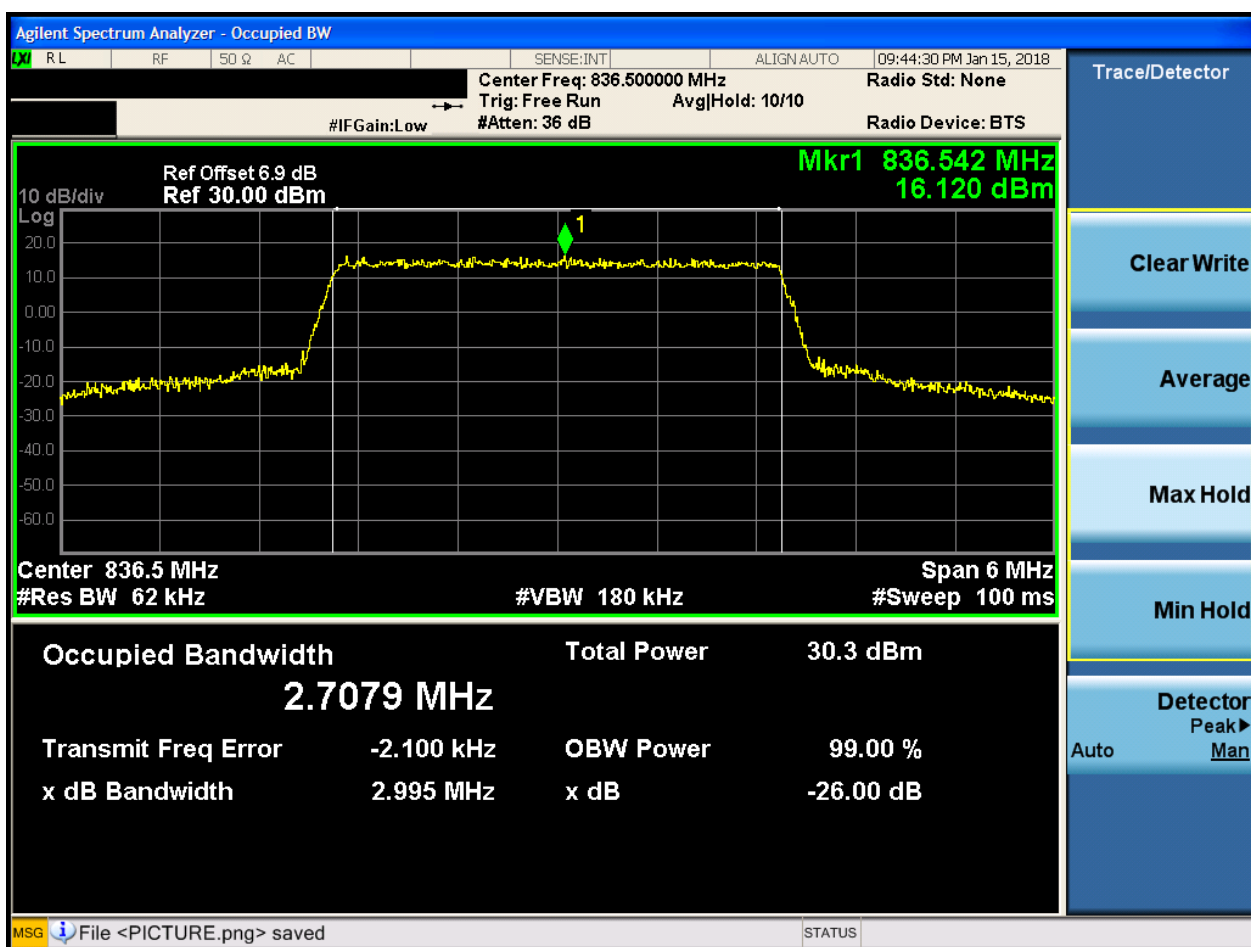
##### 4.1.1.2.2.1 Test Channel = LCH

##### 4.1.1.2.2.1.1 Test RB = RB15#0



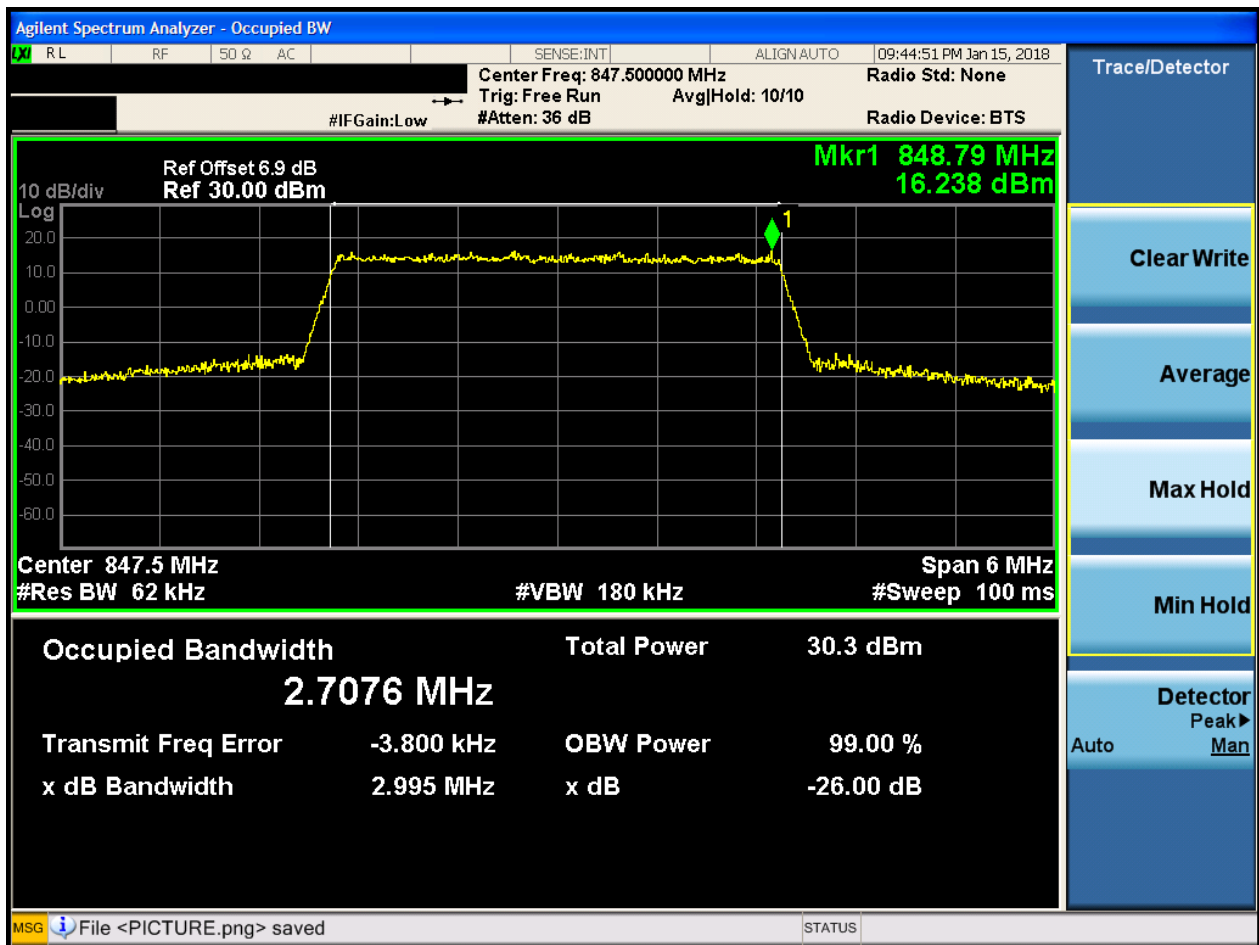
#### 4.1.1.2.2.2 Test Channel = MCH

##### 4.1.1.2.2.2.1 Test RB = RB15#0



#### 4.1.1.2.2.3 Test Channel = HCH

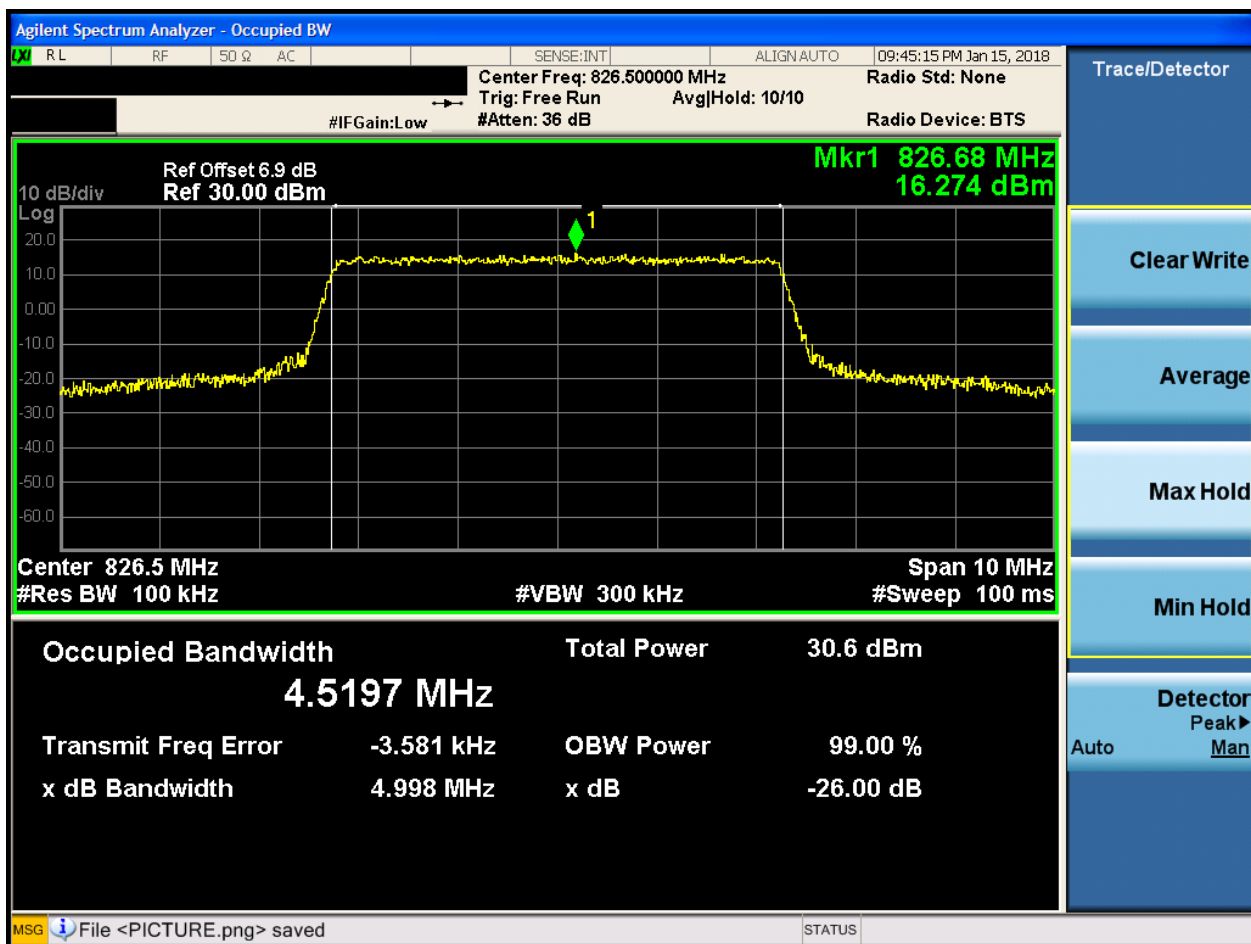
##### 4.1.1.2.2.3.1 Test RB = RB15#0



#### 4.1.1.2.3 Test Bandwidth = 5

##### 4.1.1.2.3.1 Test Channel = LCH

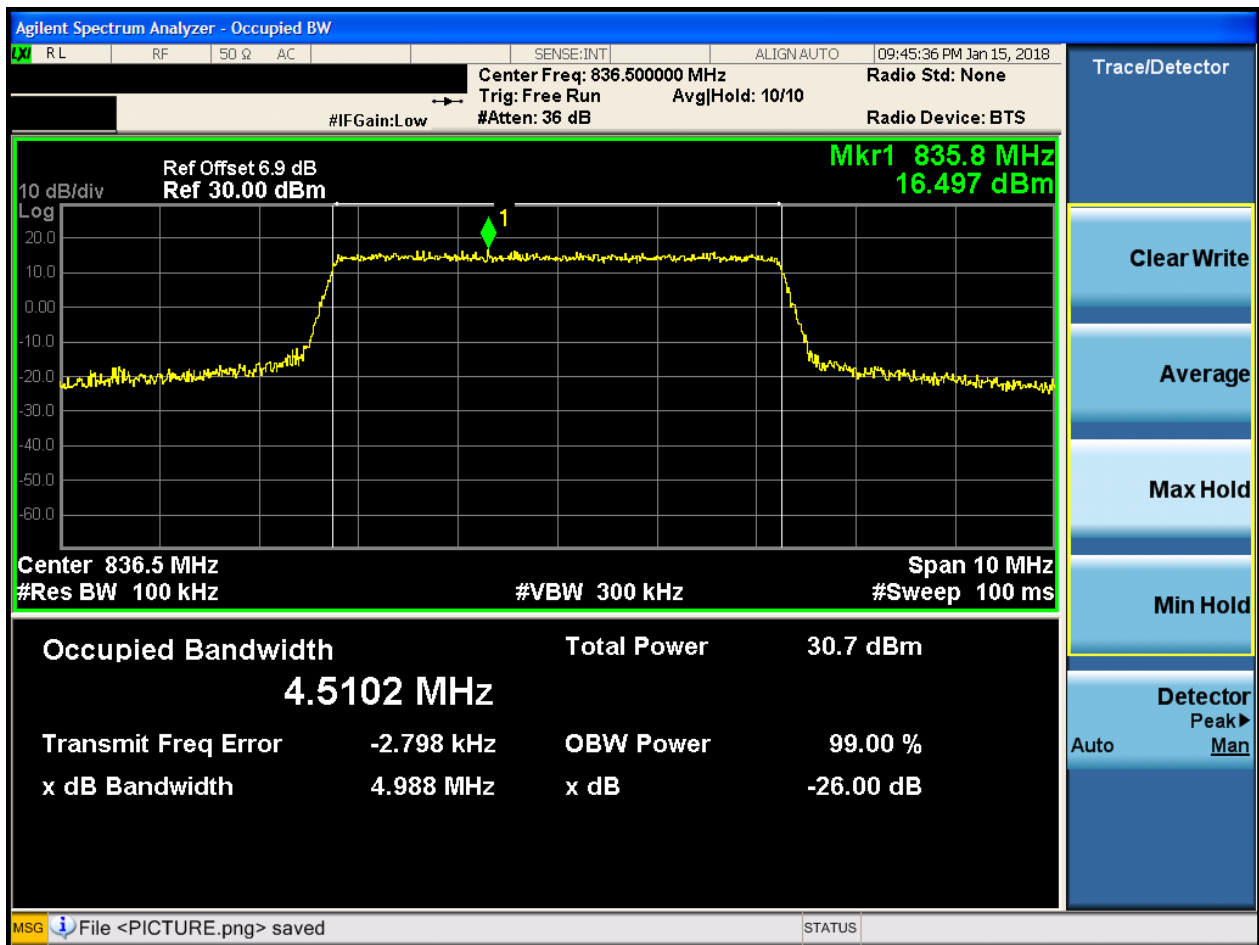
##### 4.1.1.2.3.1.1 Test RB = RB25#0





## 4.1.1.2.3.2 Test Channel = MCH

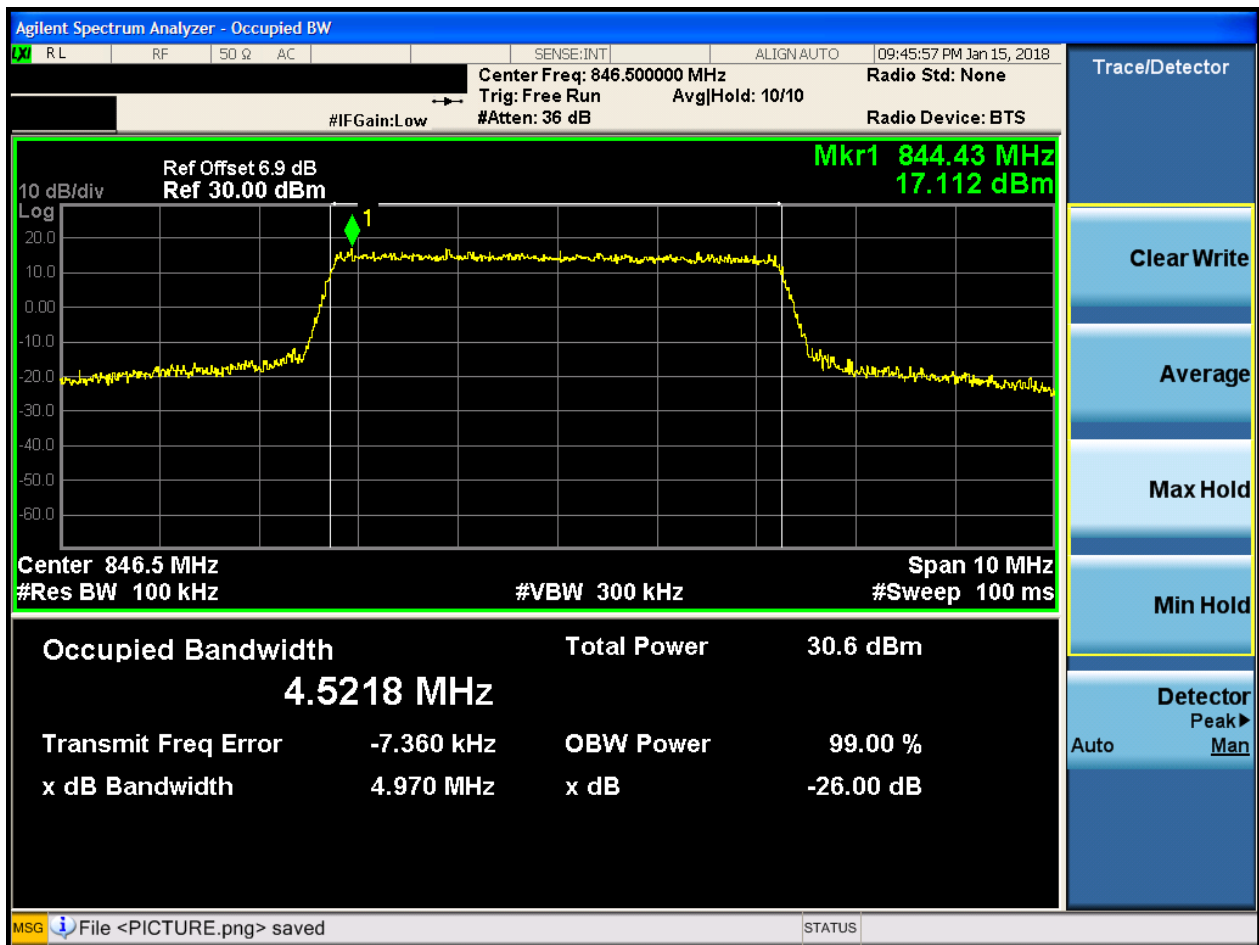
## 4.1.1.2.3.2.1 Test RB = RB25#0





## 4.1.1.2.3.3 Test Channel = HCH

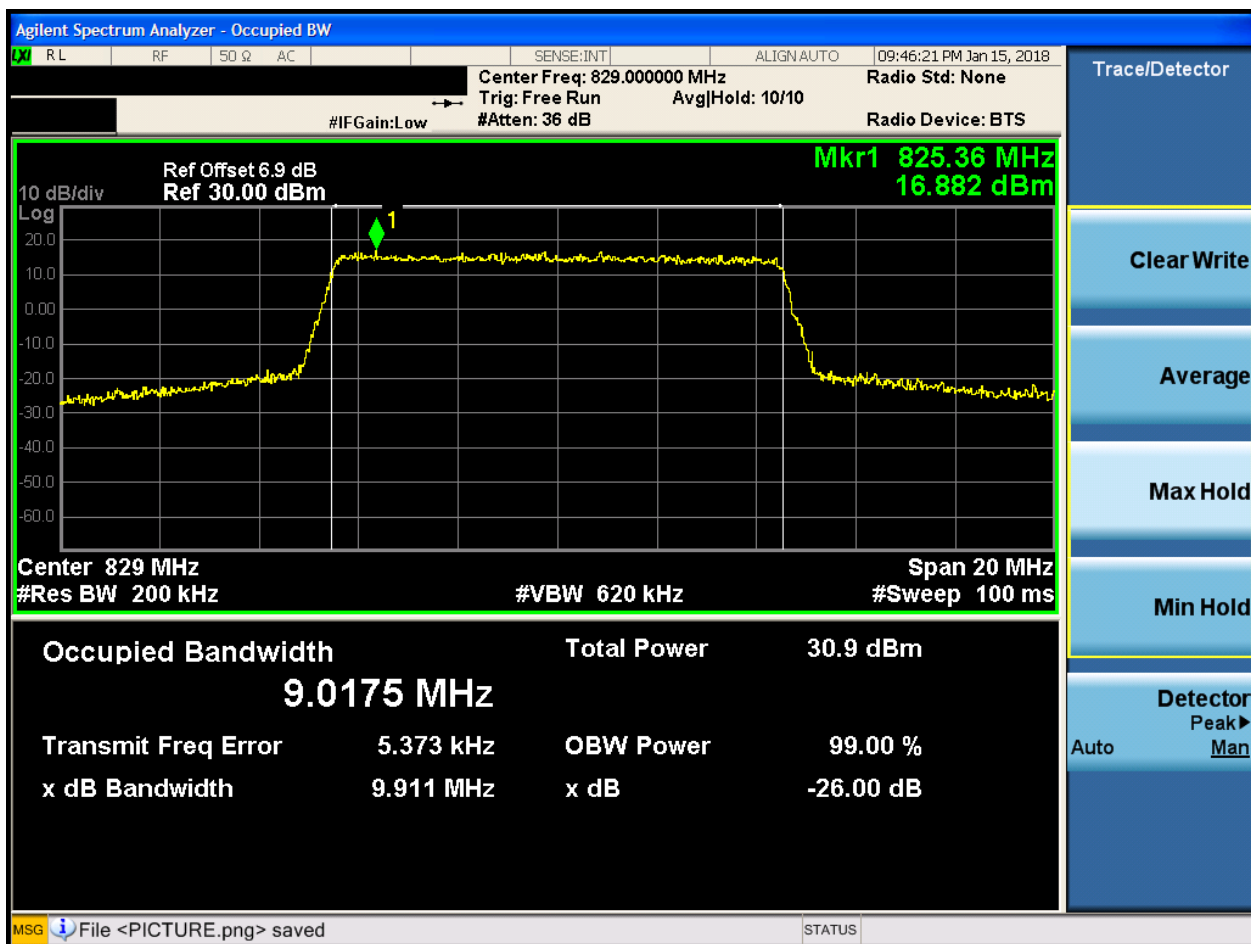
## 4.1.1.2.3.3.1 Test RB = RB25#0



#### 4.1.1.2.4 Test Bandwidth = 10

##### 4.1.1.2.4.1 Test Channel = LCH

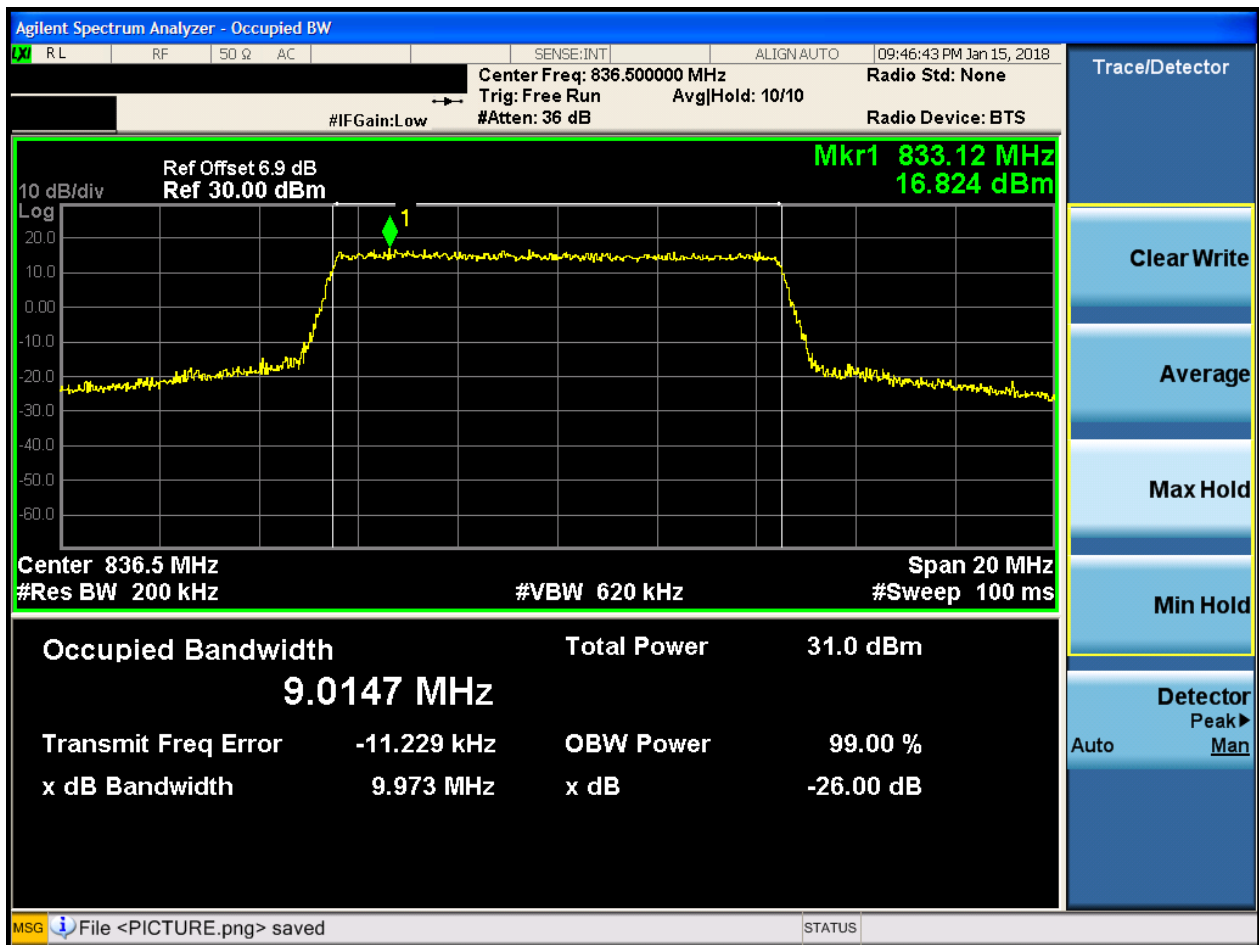
##### 4.1.1.2.4.1.1 Test RB = RB50#0





#### 4.1.1.2.4.2 Test Channel = MCH

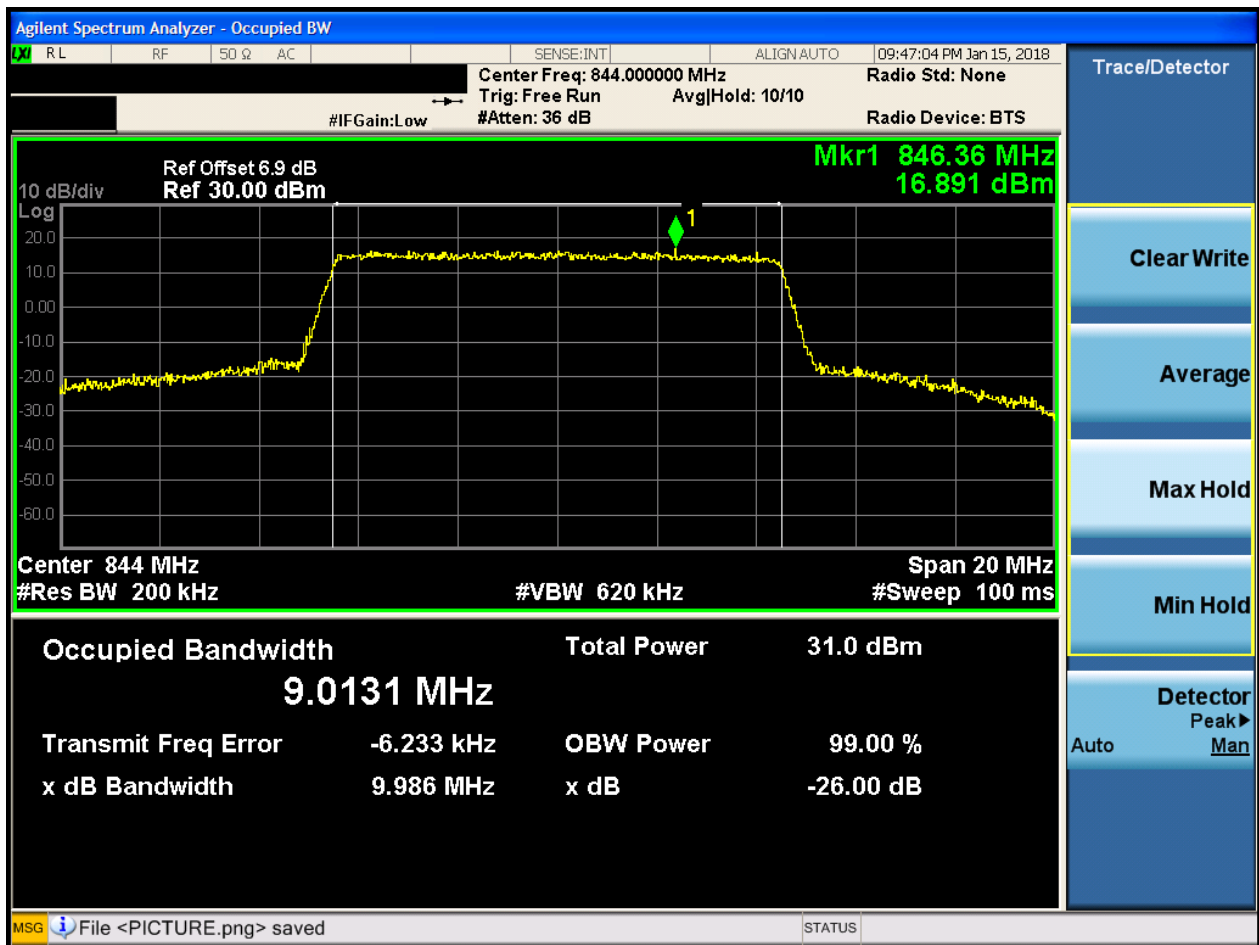
##### 4.1.1.2.4.2.1 Test RB = RB50#0





## 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

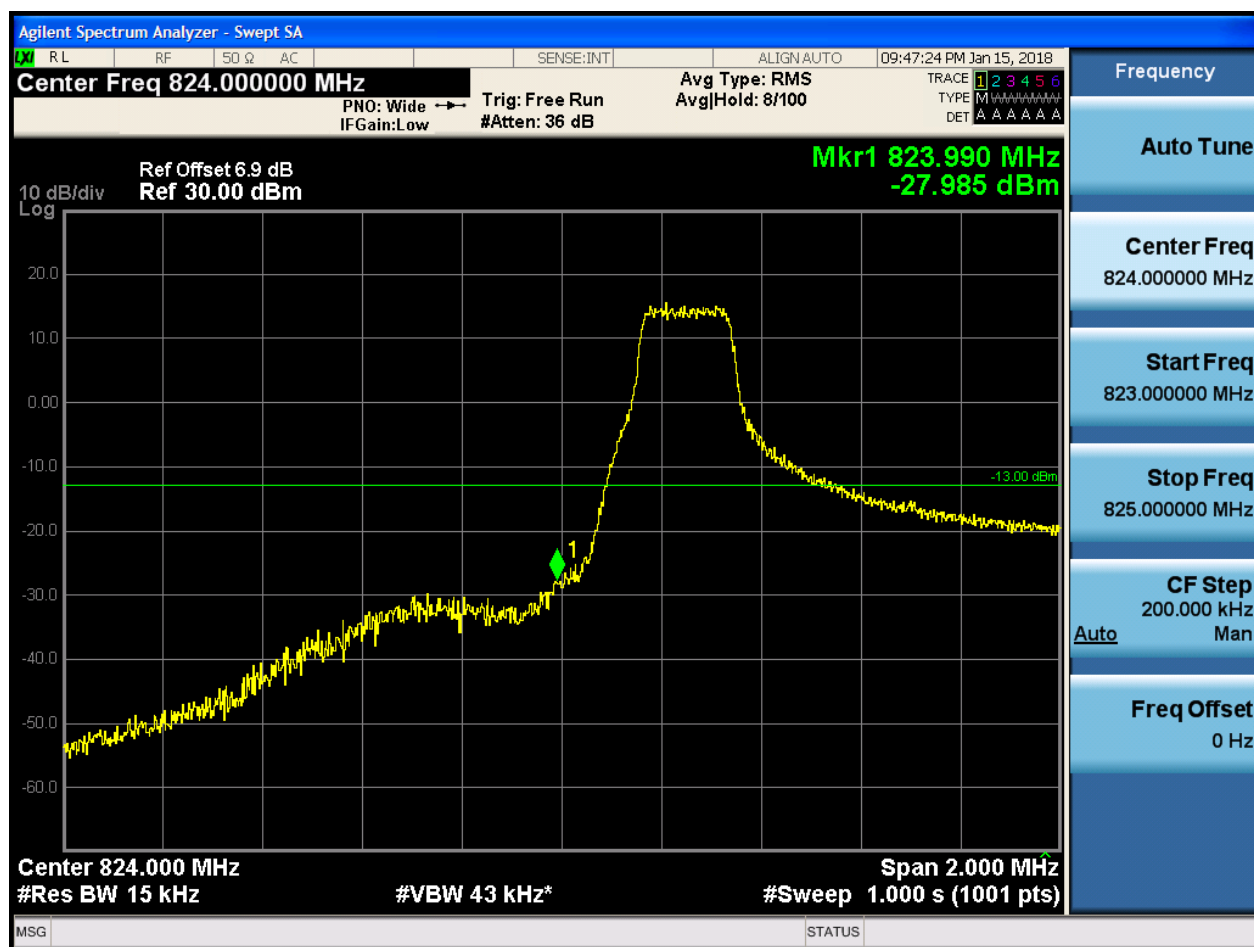
##### 5.1.1 Test Band = BAND5

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

##### 5.1.1.1.1 Test Bandwidth = 1.4

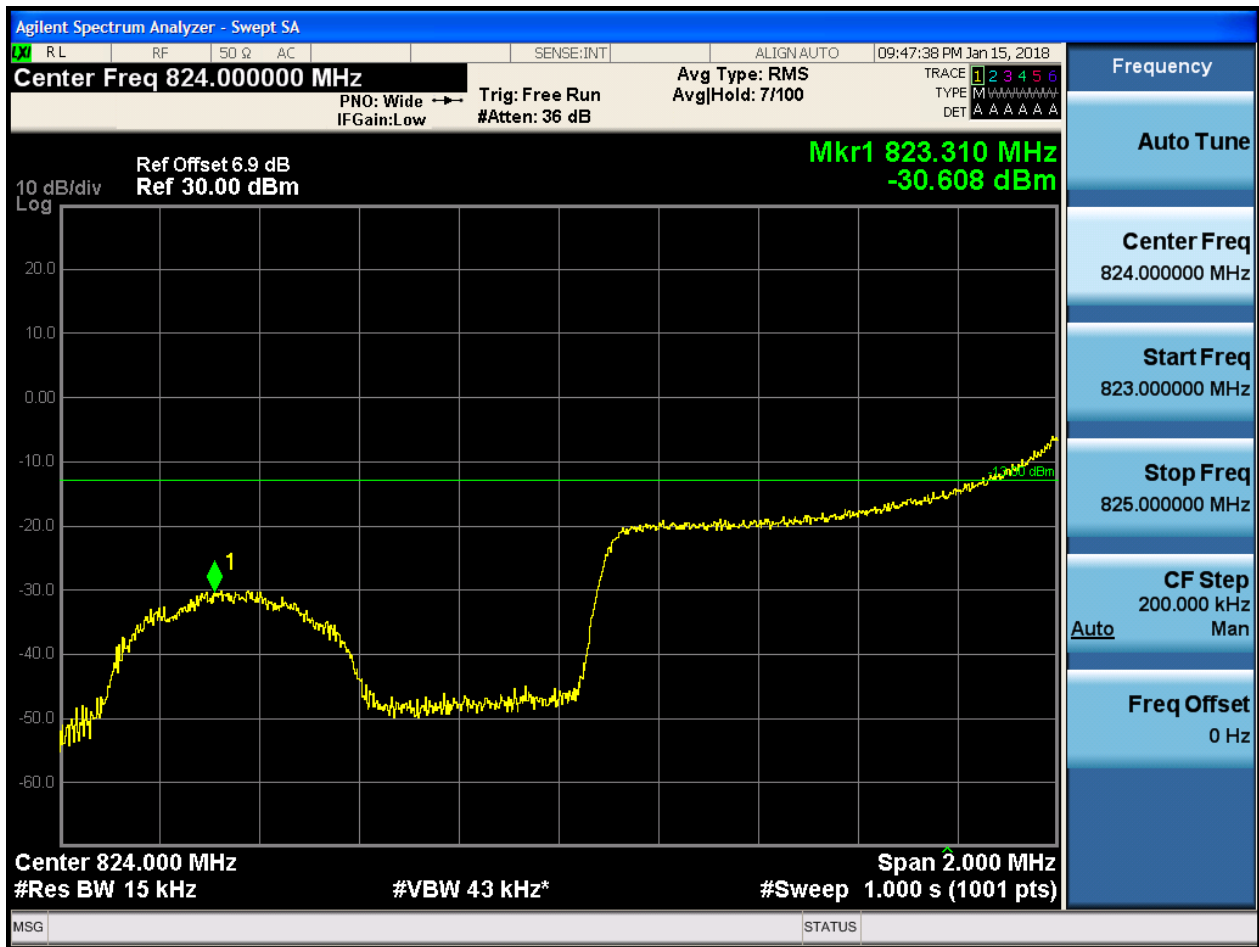
##### 5.1.1.1.1.1 Test Channel = LCH

##### 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

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 09:47:52 PM Jan 15, 2018

Center Freq 824.000000 MHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100  
#Atten: 36 dB

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

Ref Offset 6.9 dB  
Ref 30.00 dBm

Mkr1 824.000 MHz  
-31.528 dBm

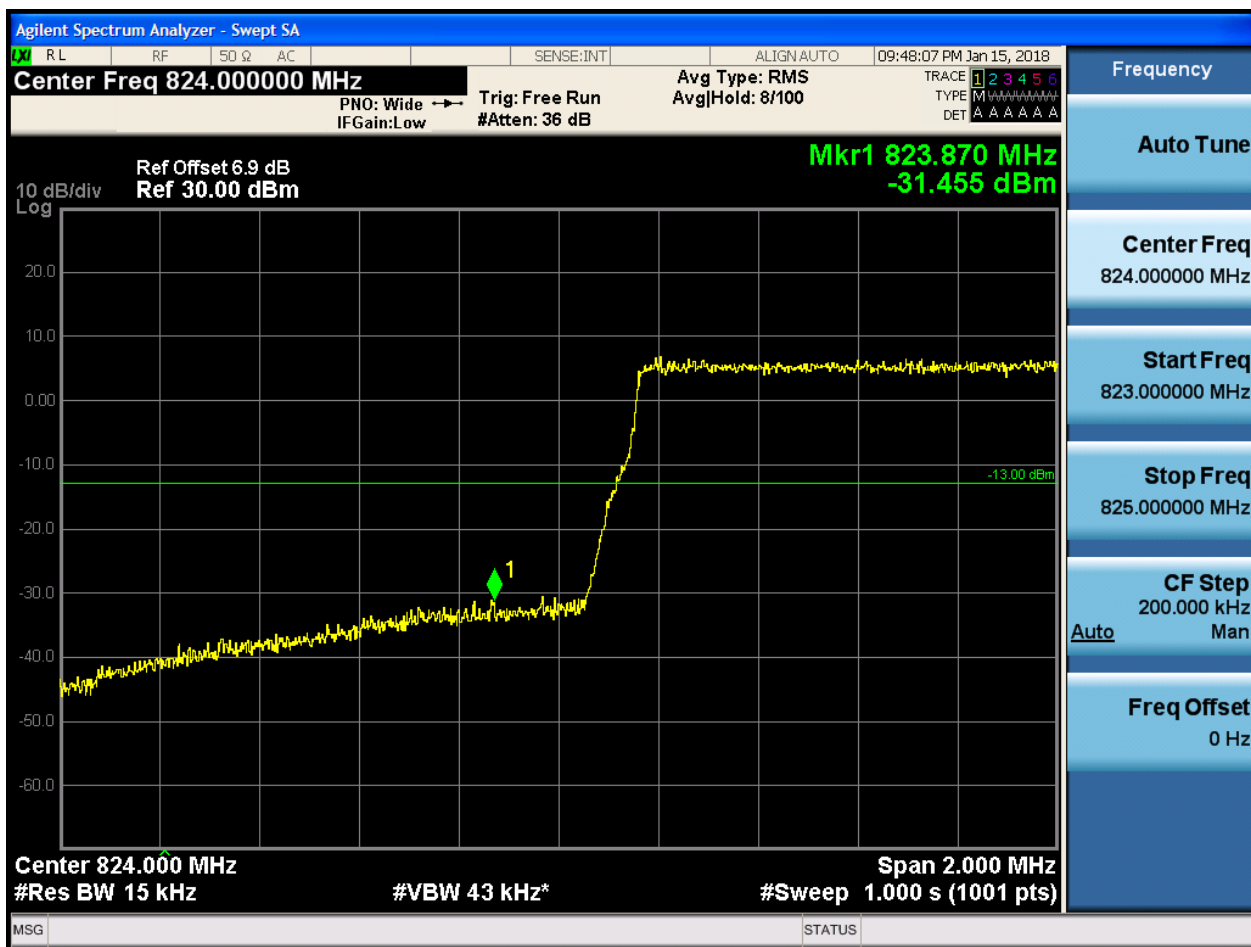
10 dB/div  
Log

Center 824.000 MHz  
#Res BW 15 kHz  
#VBW 43 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency  
Auto Tune  
Center Freq  
824.000000 MHz  
Start Freq  
823.000000 MHz  
Stop Freq  
825.000000 MHz  
CF Step  
200.000 kHz  
Auto Man  
Freq Offset  
0 Hz

#### 5.1.1.1.1.1.4 Test RB = RB6#0





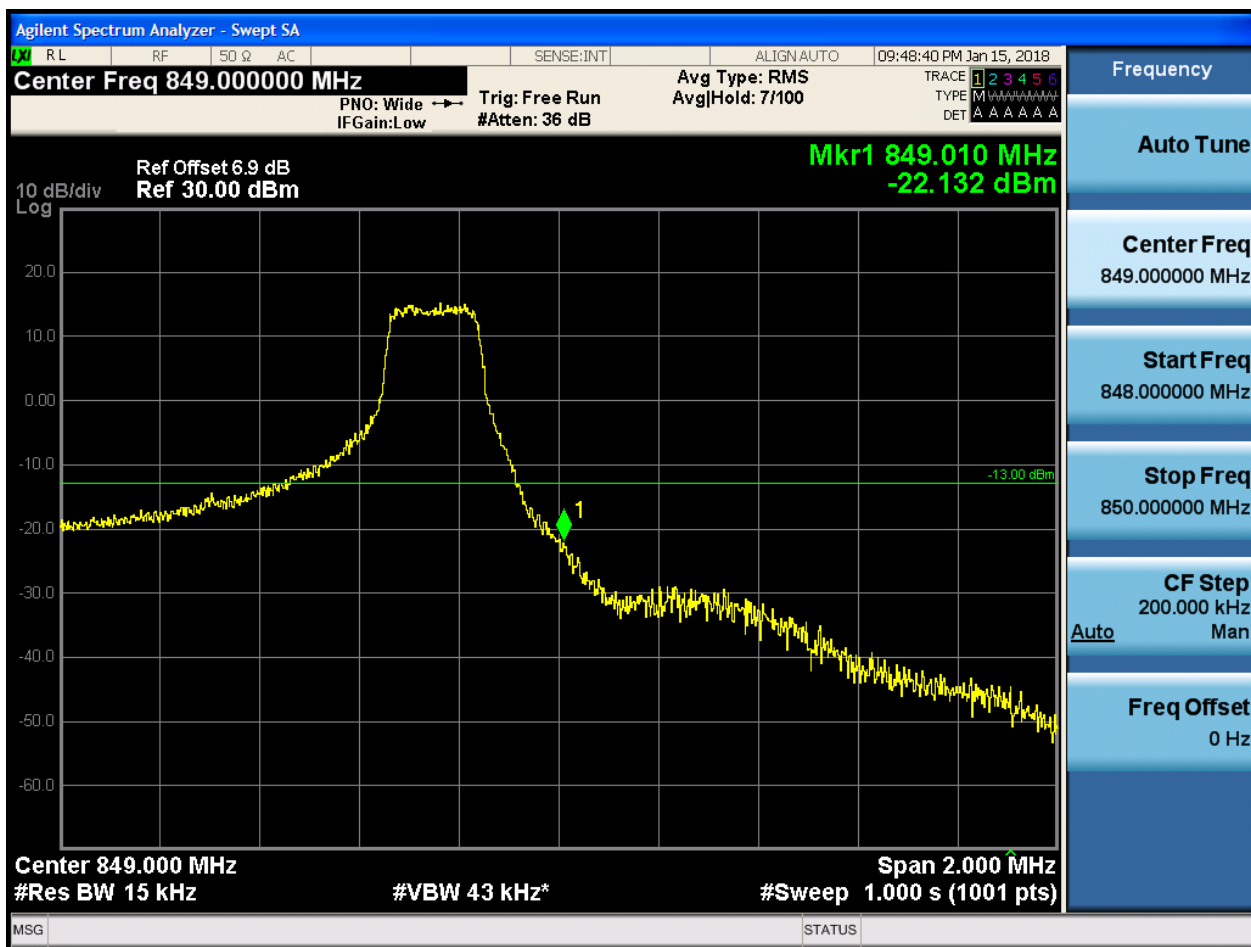
## 5.1.1.1.1.2 Test Channel = HCH

## 5.1.1.1.1.2.1 Test RB = RB1#0





## 5.1.1.1.2.2 Test RB = RB1#5







Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 6.9 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 849.060 MHz  
-22.915 dBm

Center 849.000 MHz  
#Res BW 15 kHz

#VBW 43 kHz\*

Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq  
849.000000 MHz

Start Freq  
848.000000 MHz

Stop Freq  
850.000000 MHz

CF Step  
200.000 kHz  
Auto

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

**Center Freq 849.000000 MHz**

PNO: Wide → Trig: Free Run  
IFGain: Low #Atten: 36 dB

Avg Type: RMS  
Avg/Hold: 7/100

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

Ref Offset 6.9 dB  
Ref 30.00 dBm

Mkr1 849.180 MHz  
-29.280 dBm

10 dB/div Log

-13.00 dBm

Center 849.000 MHz  
#Res BW 15 kHz

#VBW 43 kHz\*

Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

| Frequency   |                |
|-------------|----------------|
| Auto Tune   |                |
| Center Freq | 849.000000 MHz |
| Start Freq  | 848.000000 MHz |
| Stop Freq   | 850.000000 MHz |
| CF Step     | 200.000 kHz    |
| Auto        | Man            |
| Freq Offset | 0 Hz           |

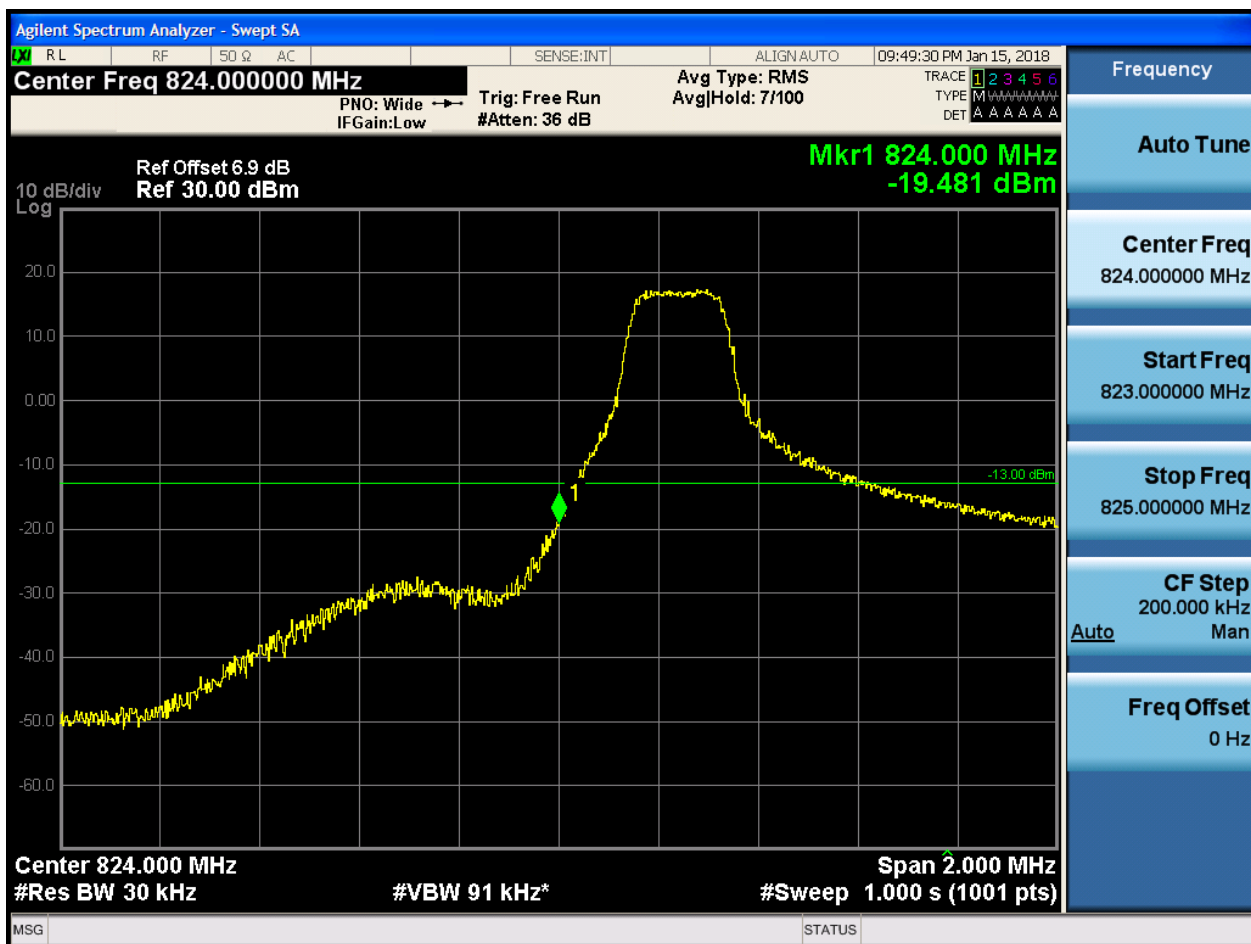
MSG STATUS



## 5.1.1.1.2 Test Bandwidth = 3

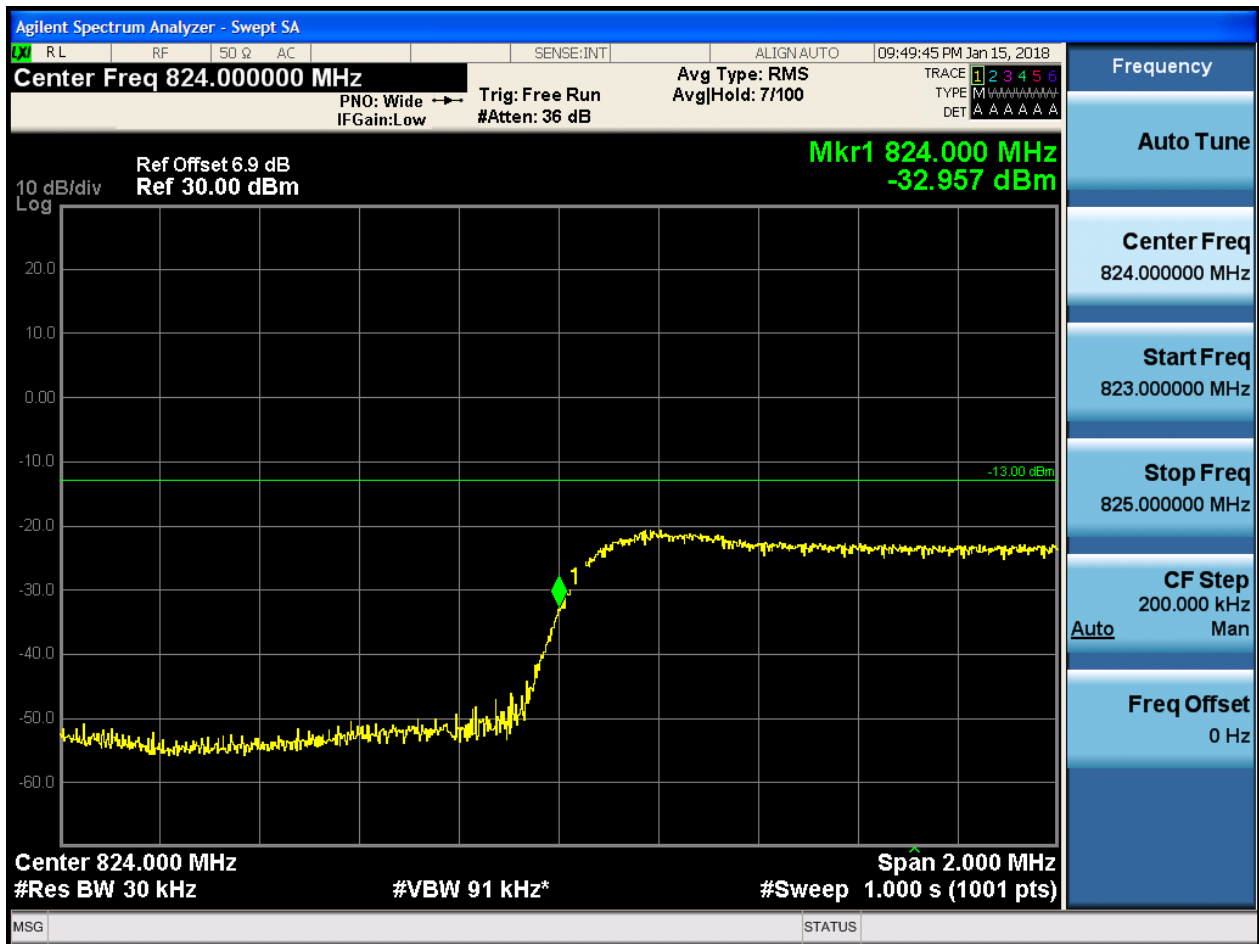
## 5.1.1.1.2.1 Test Channel = LCH

## 5.1.1.1.2.1.1 Test RB = RB1#0





## 5.1.1.1.2.1.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 6.9 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 823.990 MHz  
-31.716 dBm

Center 824.000 MHz  
#Res BW 30 kHz

Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

#VBW 91 kHz\*

Auto Tune

Center Freq  
824.000000 MHz

Start Freq  
823.000000 MHz

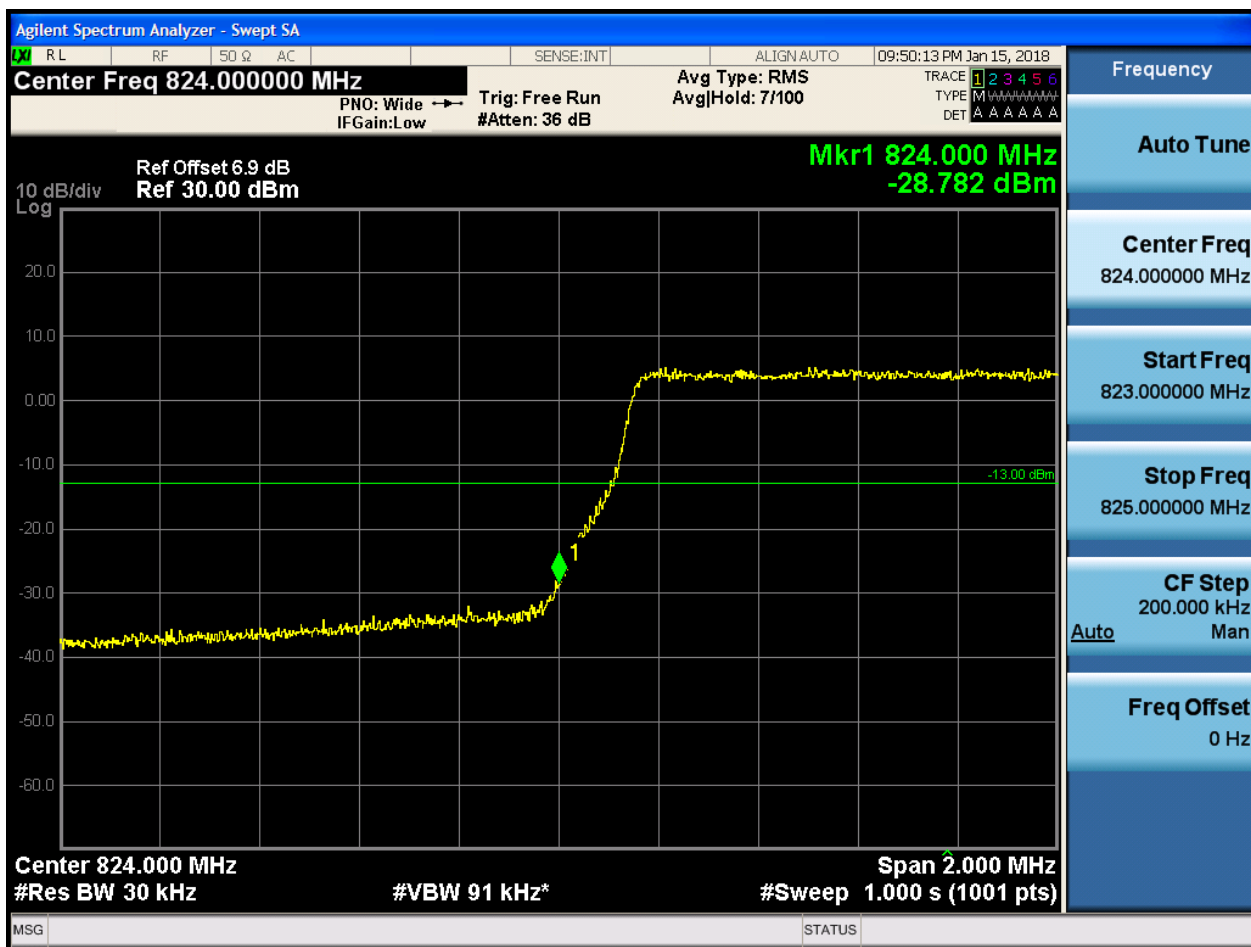
Stop Freq  
825.000000 MHz

CF Step  
200.000 kHz  
Auto

Freq Offset  
0 Hz



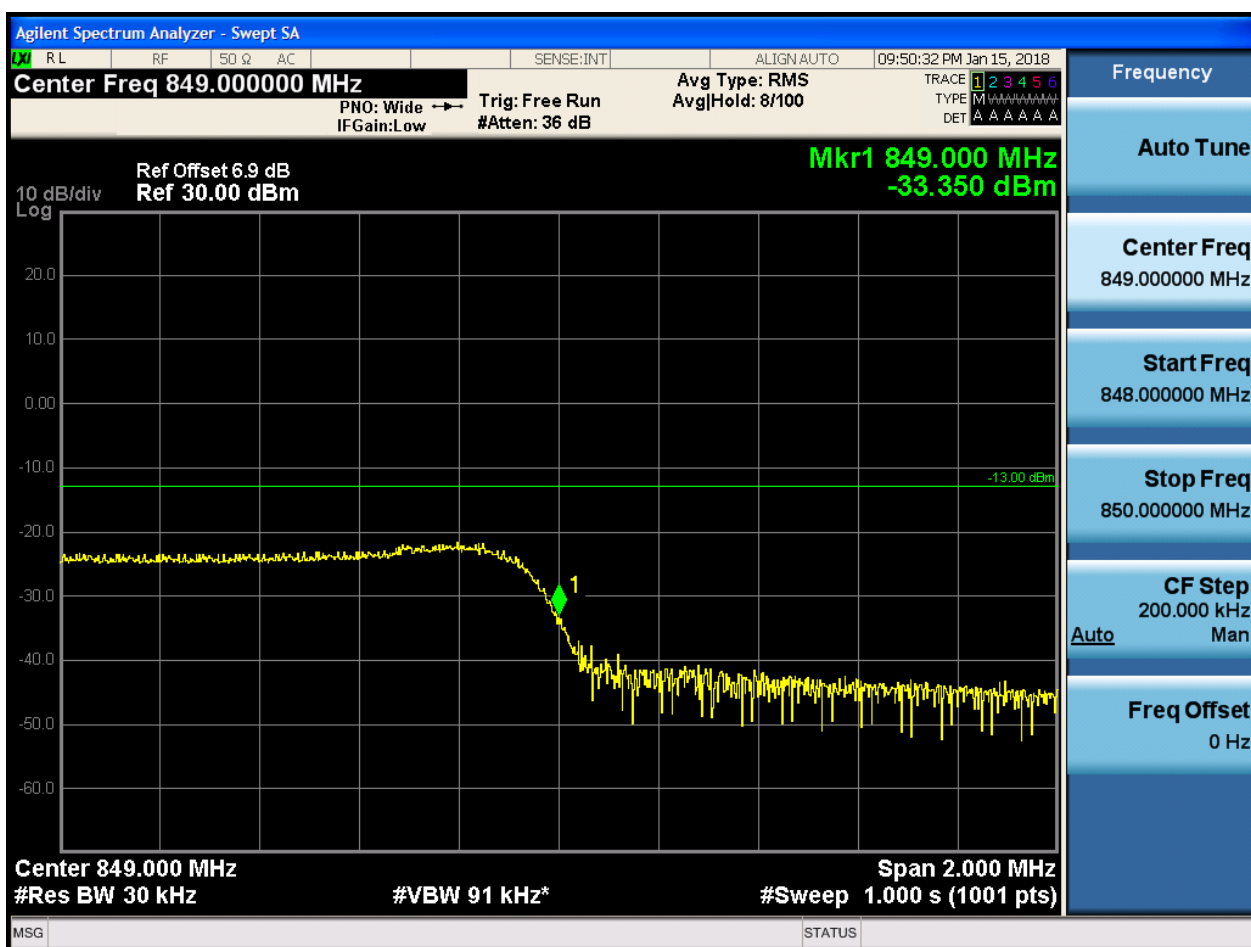
## 5.1.1.1.2.1.4 Test RB = RB15#0





## 5.1.1.1.2.2 Test Channel = HCH

## 5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN: AUTO 09:50:46 PM Jan 15, 2018

Center Freq 849.000000 MHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100  
#Atten: 36 dB

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

Ref Offset 6.9 dB  
Ref 30.00 dBm

Mkr1 849.000 MHz  
-15.859 dBm

10 dB/div  
Log

Center 849.000 MHz  
#Res BW 30 kHz  
#VBW 91 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq  
849.000000 MHz

Start Freq  
848.000000 MHz

Stop Freq  
850.000000 MHz

CF Step  
200.000 kHz  
Auto Man

Freq Offset  
0 Hz





## 5.1.1.1.2.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 09:51:15 PM Jan 15, 2018

Center Freq 849.000000 MHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 7/100  
#Atten: 36 dB

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

Ref Offset 6.9 dB  
Ref 30.00 dBm

Mkr1 849.000 MHz  
-27.616 dBm

10 dB/div  
Log

Center 849.000 MHz  
#Res BW 30 kHz  
#VBW 91 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

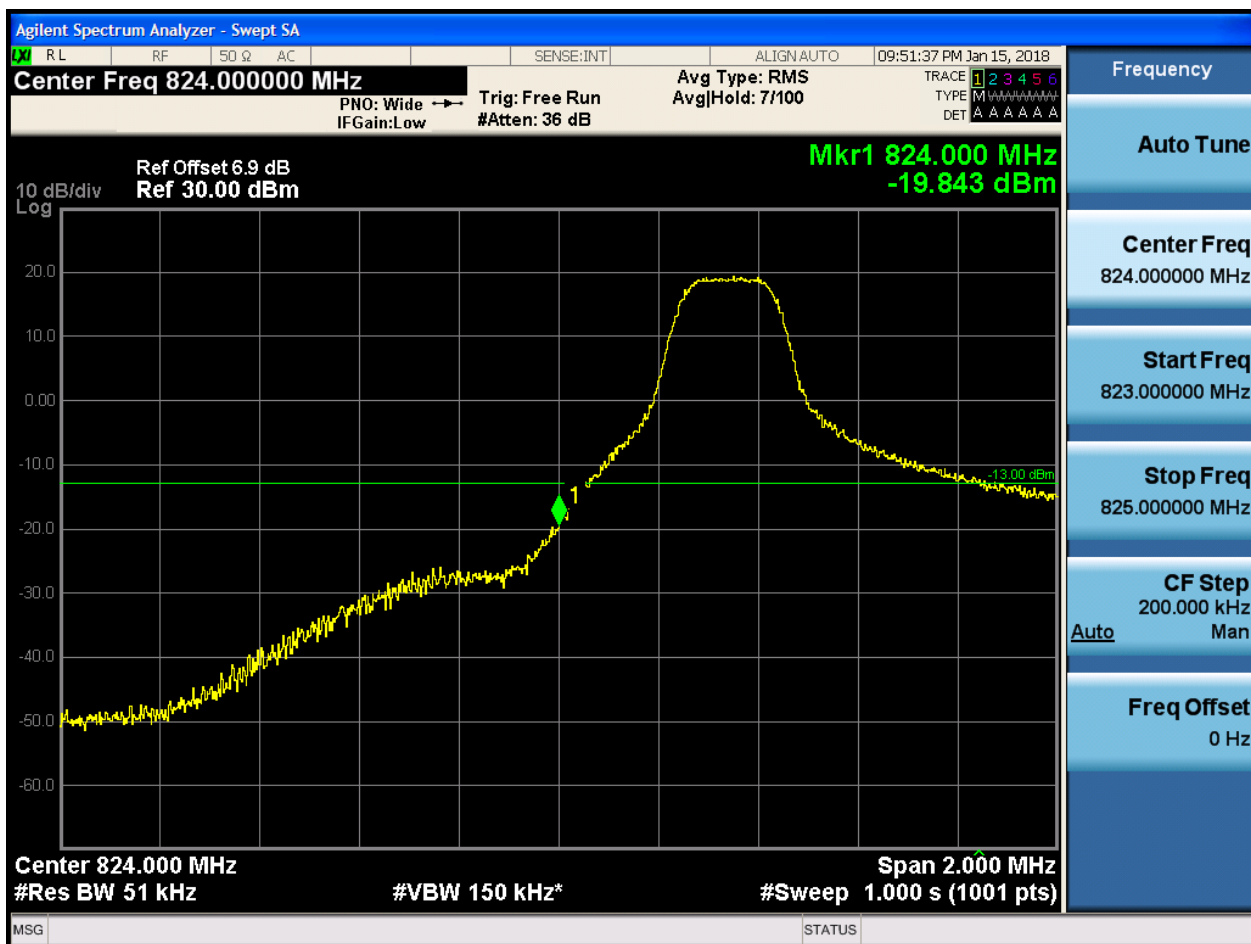
MSG STATUS



## 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





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 09:51:51 PM Jan 15, 2018

Center Freq 824.000000 MHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100  
#Atten: 36 dB

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

Ref Offset 6.9 dB  
Ref 30.00 dBm

Mkr1 824.000 MHz  
-37.573 dBm

10 dB/div  
Log

Center 824.000 MHz  
#Res BW 51 kHz  
#VBW 150 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency  
Auto Tune  
Center Freq  
824.000000 MHz  
Start Freq  
823.000000 MHz  
Stop Freq  
825.000000 MHz  
CF Step  
200.000 kHz  
Auto Man  
Freq Offset  
0 Hz

### 5.1.1.1.3.1.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 09:52:19 PM Jan 15, 2018

Center Freq 824.000000 MHz Avg Type: RMS  
PNO: Wide Trig: Free Run  
IFGain:Low #Atten: 36 dB

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

Ref Offset 6.9 dB  
Ref 30.00 dBm

Mkr1 824.000 MHz  
-29.625 dBm

10 dB/div  
Log

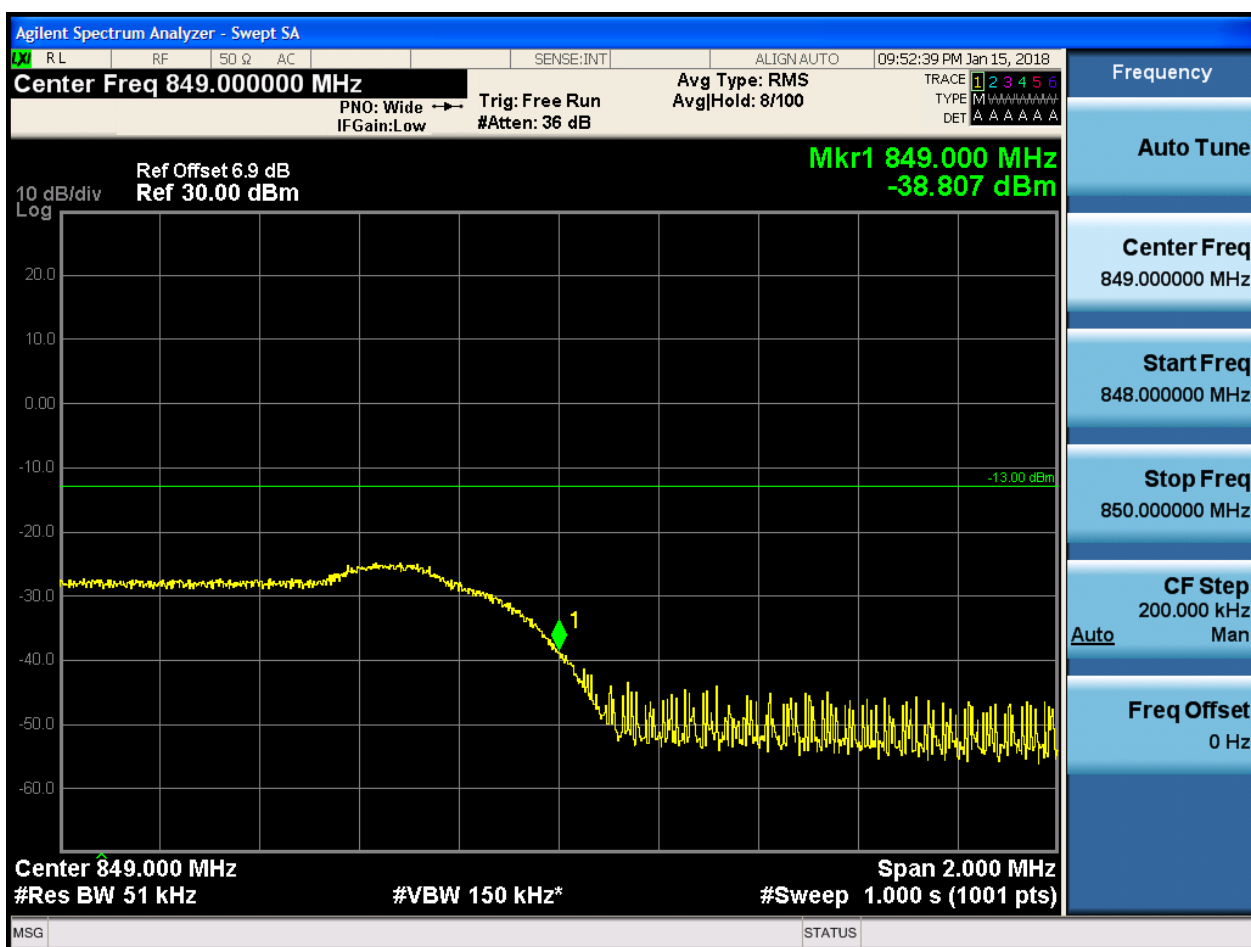
Center 824.000 MHz  
#Res BW 51 kHz  
#VBW 150 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency  
Auto Tune  
Center Freq  
824.000000 MHz  
Start Freq  
823.000000 MHz  
Stop Freq  
825.000000 MHz  
CF Step  
200.000 kHz  
Auto  
Man  
Freq Offset  
0 Hz

### 5.1.1.1.3.2 Test Channel = HCH

#### 5.1.1.1.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 09:52:53 PM Jan 15, 2018

Center Freq 849.000000 MHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100  
#Atten: 36 dB

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

Ref Offset 6.9 dB  
Ref 30.00 dBm

Mkr1 849.000 MHz  
-18.693 dBm

10 dB/div  
Log

Center 849.000 MHz  
#Res BW 51 kHz  
#VBW 150 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

|                                    |
|------------------------------------|
| Frequency                          |
| Auto Tune                          |
| Center Freq<br>849.000000 MHz      |
| Start Freq<br>848.000000 MHz       |
| Stop Freq<br>850.000000 MHz        |
| CF Step<br>200.000 kHz<br>Auto Man |
| Freq Offset<br>0 Hz                |





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 09:53:07 PM Jan 15, 2018

Center Freq 849.000000 MHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100  
#Atten: 36 dB

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

Ref Offset 6.9 dB  
Ref 30.00 dBm

Mkr1 849.000 MHz  
-31.693 dBm

10 dB/div  
Log

Center 849.000 MHz  
#Res BW 51 kHz #VBW 150 kHz\* Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS



## 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

