



# 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/TM 1  | 1.4            | LCH          | RB1#0   | 23.11         | 18.86     | 38.5        | PASS    |
|                 |           |                |              | RB1#3   | 23.25         | 19.00     | 38.5        | PASS    |
|                 |           |                |              | RB1#5   | 23.06         | 18.81     | 38.5        | PASS    |
|                 |           |                |              | RB3#0   | 23.11         | 18.86     | 38.5        | PASS    |
|                 |           |                |              | RB3#2   | 23.15         | 18.90     | 38.5        | PASS    |
|                 |           |                |              | RB3#3   | 23.18         | 18.93     | 38.5        | PASS    |
|                 |           |                |              | RB6#0   | 22.23         | 17.98     | 38.5        | PASS    |
|                 |           |                | MCH          | RB1#0   | 23.09         | 18.84     | 38.5        | PASS    |
|                 |           |                |              | RB1#3   | 23.31         | 19.06     | 38.5        | PASS    |
|                 |           |                |              | RB1#5   | 23.11         | 18.86     | 38.5        | PASS    |
|                 |           |                |              | RB3#0   | 23.15         | 18.90     | 38.5        | PASS    |
|                 |           |                |              | RB3#2   | 23.19         | 18.94     | 38.5        | PASS    |
|                 |           |                |              | RB3#3   | 23.11         | 18.86     | 38.5        | PASS    |
|                 |           |                |              | RB6#0   | 22.14         | 17.89     | 38.5        | PASS    |

| Test Band(LTE ) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|-----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                 |           |                | HCH          | RB1#0   | 23.08         | 18.83     | 38.5        | PASS    |
|                 |           |                |              | RB1#3   | 23.27         | 19.02     | 38.5        | PASS    |
|                 |           |                |              | RB1#5   | 23.07         | 18.82     | 38.5        | PASS    |
|                 |           |                |              | RB3#0   | 23.19         | 18.94     | 38.5        | PASS    |
|                 |           |                |              | RB3#2   | 23.14         | 18.89     | 38.5        | PASS    |
|                 |           |                |              | RB3#3   | 23.25         | 19.00     | 38.5        | PASS    |
|                 |           |                |              | RB6#0   | 22.17         | 17.92     | 38.5        | PASS    |
|                 |           | 3              | LCH          | RB1#0   | 23.15         | 18.90     | 38.5        | PASS    |
|                 |           |                |              | RB1#7   | 23.24         | 18.99     | 38.5        | PASS    |
|                 |           |                |              | RB1#14  | 23.15         | 18.90     | 38.5        | PASS    |
|                 |           |                |              | RB8#0   | 22.19         | 17.94     | 38.5        | PASS    |
|                 |           |                |              | RB8#4   | 22.16         | 17.91     | 38.5        | PASS    |
|                 |           |                |              | RB8#7   | 22.13         | 17.88     | 38.5        | PASS    |
|                 |           |                |              | RB15#0  | 22.12         | 17.87     | 38.5        | PASS    |
|                 |           |                | MCH          | RB1#0   | 23.10         | 18.85     | 38.5        | PASS    |
|                 |           |                |              | RB1#7   | 23.23         | 18.98     | 38.5        | PASS    |
|                 |           |                |              | RB1#14  | 23.08         | 18.83     | 38.5        | PASS    |

| Test Band(LTE ) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|-----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                 |           |                |              | RB8#0   | 22.14         | 17.89     | 38.5        | PASS    |
|                 |           |                |              | RB8#4   | 22.16         | 17.91     | 38.5        | PASS    |
|                 |           |                |              | RB8#7   | 22.13         | 17.88     | 38.5        | PASS    |
|                 |           |                |              | RB15#0  | 22.14         | 17.89     | 38.5        | PASS    |
|                 |           |                | HCH          | RB1#0   | 23.18         | 18.93     | 38.5        | PASS    |
|                 |           |                |              | RB1#7   | 23.25         | 19.00     | 38.5        | PASS    |
|                 |           |                |              | RB1#14  | 23.12         | 18.87     | 38.5        | PASS    |
|                 |           |                |              | RB8#0   | 22.22         | 17.97     | 38.5        | PASS    |
|                 |           |                |              | RB8#4   | 22.22         | 17.97     | 38.5        | PASS    |
|                 |           |                |              | RB8#7   | 22.22         | 17.97     | 38.5        | PASS    |
|                 |           |                |              | RB15#0  | 22.17         | 17.92     | 38.5        | PASS    |
|                 |           | 5              | LCH          | RB1#0   | 23.05         | 18.80     | 38.5        | PASS    |
|                 |           |                |              | RB1#13  | 23.18         | 18.93     | 38.5        | PASS    |
|                 |           |                |              | RB1#24  | 23.10         | 18.85     | 38.5        | PASS    |
|                 |           |                |              | RB12#0  | 22.16         | 17.91     | 38.5        | PASS    |
|                 |           |                |              | RB12#6  | 22.18         | 17.93     | 38.5        | PASS    |
|                 |           |                |              | RB12#1  | 22.20         | 17.95     | 38.5        | PASS    |

| Test Band(LTE ) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|-----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                 |           |                |              | 3       |               |           |             |         |
|                 |           |                |              | RB25#0  | 22.17         | 17.92     | 38.5        | PASS    |
|                 |           |                | MCH          | RB1#0   | 22.97         | 18.72     | 38.5        | PASS    |
|                 |           |                |              | RB1#13  | 23.13         | 18.88     | 38.5        | PASS    |
|                 |           |                |              | RB1#24  | 23.02         | 18.77     | 38.5        | PASS    |
|                 |           |                |              | RB12#0  | 22.11         | 17.86     | 38.5        | PASS    |
|                 |           |                |              | RB12#6  | 22.16         | 17.91     | 38.5        | PASS    |
|                 |           |                |              | RB12#13 | 22.10         | 17.85     | 38.5        | PASS    |
|                 |           |                |              | RB25#0  | 22.09         | 17.84     | 38.5        | PASS    |
|                 |           |                | HCH          | RB1#0   | 23.01         | 18.76     | 38.5        | PASS    |
|                 |           |                |              | RB1#13  | 23.20         | 18.95     | 38.5        | PASS    |
|                 |           |                |              | RB1#24  | 23.07         | 18.82     | 38.5        | PASS    |
|                 |           |                |              | RB12#0  | 22.15         | 17.90     | 38.5        | PASS    |
|                 |           |                |              | RB12#6  | 22.23         | 17.98     | 38.5        | PASS    |
|                 |           |                |              | RB12#13 | 22.17         | 17.92     | 38.5        | PASS    |
|                 |           |                |              | RB25#0  | 22.17         | 17.92     | 38.5        | PASS    |

| Test Band(LTE ) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|-----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                 |           | 10             | LCH          | RB1#0   | 23.10         | 18.85     | 38.5        | PASS    |
|                 |           |                |              | RB1#25  | 23.15         | 18.90     | 38.5        | PASS    |
|                 |           |                |              | RB1#49  | 23.08         | 18.83     | 38.5        | PASS    |
|                 |           |                |              | RB25#0  | 22.15         | 17.90     | 38.5        | PASS    |
|                 |           |                |              | RB25#13 | 22.21         | 17.96     | 38.5        | PASS    |
|                 |           |                |              | RB25#25 | 22.26         | 18.01     | 38.5        | PASS    |
|                 |           |                |              | RB50#0  | 22.19         | 17.94     | 38.5        | PASS    |
|                 |           |                | MCH          | RB1#0   | 23.08         | 18.83     | 38.5        | PASS    |
|                 |           |                |              | RB1#25  | 23.22         | 18.97     | 38.5        | PASS    |
|                 |           |                |              | RB1#49  | 23.07         | 18.82     | 38.5        | PASS    |
|                 |           |                |              | RB25#0  | 22.13         | 17.88     | 38.5        | PASS    |
|                 |           |                |              | RB25#13 | 22.14         | 17.89     | 38.5        | PASS    |
|                 |           |                |              | RB25#25 | 22.14         | 17.89     | 38.5        | PASS    |
|                 |           |                |              | RB50#0  | 22.09         | 17.84     | 38.5        | PASS    |
|                 |           |                | HCH          | RB1#0   | 23.05         | 18.80     | 38.5        | PASS    |

| Test Band(LTE ) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|-----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                 |           |                |              | RB1#25  | 23.27         | 19.02     | 38.5        | PASS    |
|                 |           |                |              | RB1#49  | 23.17         | 18.92     | 38.5        | PASS    |
|                 |           |                |              | RB25#0  | 22.22         | 17.97     | 38.5        | PASS    |
|                 |           |                |              | RB25#13 | 22.22         | 17.97     | 38.5        | PASS    |
|                 |           |                |              | RB25#25 | 22.20         | 17.95     | 38.5        | PASS    |
|                 |           |                |              | RB50#0  | 22.21         | 17.96     | 38.5        | PASS    |
|                 | LTE/TM2   | 1.4            | LCH          | RB1#0   | 22.20         | 17.95     | 38.5        | PASS    |
|                 |           |                |              | RB1#3   | 22.28         | 18.03     | 38.5        | PASS    |
|                 |           |                |              | RB1#5   | 22.17         | 17.92     | 38.5        | PASS    |
|                 |           |                |              | RB3#0   | 22.36         | 18.11     | 38.5        | PASS    |
|                 |           |                |              | RB3#2   | 22.35         | 18.10     | 38.5        | PASS    |
|                 |           |                |              | RB3#3   | 22.35         | 18.10     | 38.5        | PASS    |
|                 |           |                |              | RB6#0   | 21.31         | 17.06     | 38.5        | PASS    |
|                 |           |                | MCH          | RB1#0   | 22.42         | 18.17     | 38.5        | PASS    |
|                 |           |                |              | RB1#3   | 22.63         | 18.38     | 38.5        | PASS    |
|                 |           |                |              | RB1#5   | 22.42         | 18.17     | 38.5        | PASS    |

| Test Band(LTE ) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|-----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                 |           |                |              | RB3#0   | 22.32         | 18.07     | 38.5        | PASS    |
|                 |           |                |              | RB3#2   | 22.33         | 18.08     | 38.5        | PASS    |
|                 |           |                |              | RB3#3   | 22.34         | 18.09     | 38.5        | PASS    |
|                 |           |                |              | RB6#0   | 21.03         | 16.78     | 38.5        | PASS    |
|                 |           |                | HCH          | RB1#0   | 22.24         | 17.99     | 38.5        | PASS    |
|                 |           |                |              | RB1#3   | 22.41         | 18.16     | 38.5        | PASS    |
|                 |           |                |              | RB1#5   | 22.25         | 18.00     | 38.5        | PASS    |
|                 |           |                |              | RB3#0   | 22.31         | 18.06     | 38.5        | PASS    |
|                 |           |                |              | RB3#2   | 22.24         | 17.99     | 38.5        | PASS    |
|                 |           |                |              | RB3#3   | 22.24         | 17.99     | 38.5        | PASS    |
|                 |           |                |              | RB6#0   | 21.34         | 17.09     | 38.5        | PASS    |
|                 |           | 3              | LCH          | RB1#0   | 22.48         | 18.23     | 38.5        | PASS    |
|                 |           |                |              | RB1#7   | 22.65         | 18.40     | 38.5        | PASS    |
|                 |           |                |              | RB1#14  | 22.57         | 18.32     | 38.5        | PASS    |
|                 |           |                |              | RB8#0   | 21.26         | 17.01     | 38.5        | PASS    |
|                 |           |                |              | RB8#4   | 21.26         | 17.01     | 38.5        | PASS    |
|                 |           |                |              | RB8#7   | 21.20         | 16.95     | 38.5        | PASS    |

| Test Band(LTE ) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|-----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                 |           |                |              | RB15#0  | 21.18         | 16.93     | 38.5        | PASS    |
|                 |           |                | MCH          | RB1#0   | 22.02         | 17.77     | 38.5        | PASS    |
|                 |           |                |              | RB1#7   | 22.18         | 17.93     | 38.5        | PASS    |
|                 |           |                |              | RB1#14  | 22.02         | 17.77     | 38.5        | PASS    |
|                 |           |                |              | RB8#0   | 21.24         | 16.99     | 38.5        | PASS    |
|                 |           |                |              | RB8#4   | 21.26         | 17.01     | 38.5        | PASS    |
|                 |           |                |              | RB8#7   | 21.23         | 16.98     | 38.5        | PASS    |
|                 |           |                |              | RB15#0  | 21.14         | 16.89     | 38.5        | PASS    |
|                 |           |                | HCH          | RB1#0   | 22.24         | 17.99     | 38.5        | PASS    |
|                 |           |                |              | RB1#7   | 22.34         | 18.09     | 38.5        | PASS    |
|                 |           |                |              | RB1#14  | 22.17         | 17.92     | 38.5        | PASS    |
|                 |           |                |              | RB8#0   | 21.26         | 17.01     | 38.5        | PASS    |
|                 |           |                |              | RB8#4   | 21.27         | 17.02     | 38.5        | PASS    |
|                 |           |                |              | RB8#7   | 21.22         | 16.97     | 38.5        | PASS    |
|                 |           |                |              | RB15#0  | 21.16         | 16.91     | 38.5        | PASS    |
|                 |           | 5              | LCH          | RB1#0   | 22.54         | 18.29     | 38.5        | PASS    |
|                 |           |                |              | RB1#13  | 22.75         | 18.50     | 38.5        | PASS    |

| Test Band(LTE ) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|-----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                 |           |                |              | RB1#24  | 22.63         | 18.38     | 38.5        | PASS    |
|                 |           |                |              | RB12#0  | 21.27         | 17.02     | 38.5        | PASS    |
|                 |           |                |              | RB12#6  | 21.31         | 17.06     | 38.5        | PASS    |
|                 |           |                |              | RB12#13 | 21.33         | 17.08     | 38.5        | PASS    |
|                 |           |                |              | RB25#0  | 21.23         | 16.98     | 38.5        | PASS    |
|                 |           |                | MCH          | RB1#0   | 22.19         | 17.94     | 38.5        | PASS    |
|                 |           |                |              | RB1#13  | 22.32         | 18.07     | 38.5        | PASS    |
|                 |           |                |              | RB1#24  | 22.21         | 17.96     | 38.5        | PASS    |
|                 |           |                |              | RB12#0  | 21.14         | 16.89     | 38.5        | PASS    |
|                 |           |                |              | RB12#6  | 21.22         | 16.97     | 38.5        | PASS    |
|                 |           |                |              | RB12#13 | 21.12         | 16.87     | 38.5        | PASS    |
|                 |           |                |              | RB25#0  | 21.08         | 16.83     | 38.5        | PASS    |
|                 |           |                | HCH          | RB1#0   | 22.21         | 17.96     | 38.5        | PASS    |
|                 |           |                |              | RB1#13  | 22.39         | 18.14     | 38.5        | PASS    |
|                 |           |                |              | RB1#24  | 22.26         | 18.01     | 38.5        | PASS    |
|                 |           |                |              | RB12#0  | 21.19         | 16.94     | 38.5        | PASS    |

| Test Band(LTE ) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|-----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                 |           |                |              | RB12#6  | 21.26         | 17.01     | 38.5        | PASS    |
|                 |           |                |              | RB12#13 | 21.22         | 16.97     | 38.5        | PASS    |
|                 |           |                |              | RB25#0  | 21.12         | 16.87     | 38.5        | PASS    |
|                 |           | 10             | LCH          | RB1#0   | 22.46         | 18.21     | 38.5        | PASS    |
|                 |           |                |              | RB1#25  | 22.70         | 18.45     | 38.5        | PASS    |
|                 |           |                |              | RB1#49  | 22.51         | 18.26     | 38.5        | PASS    |
|                 |           |                |              | RB25#0  | 21.14         | 16.89     | 38.5        | PASS    |
|                 |           |                |              | RB25#13 | 21.25         | 17.00     | 38.5        | PASS    |
|                 |           |                |              | RB25#25 | 21.30         | 17.05     | 38.5        | PASS    |
|                 |           |                |              | RB50#0  | 21.21         | 16.96     | 38.5        | PASS    |
|                 |           |                | MCH          | RB1#0   | 22.07         | 17.82     | 38.5        | PASS    |
|                 |           |                |              | RB1#25  | 22.20         | 17.95     | 38.5        | PASS    |
|                 |           |                |              | RB1#49  | 22.04         | 17.79     | 38.5        | PASS    |
|                 |           |                |              | RB25#0  | 21.17         | 16.92     | 38.5        | PASS    |
|                 |           |                |              | RB25#13 | 21.14         | 16.89     | 38.5        | PASS    |

| Test Band(LTE ) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|-----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                 |           |                |              | RB25#25 | 21.14         | 16.89     | 38.5        | PASS    |
|                 |           |                |              | RB50#0  | 21.09         | 16.84     | 38.5        | PASS    |
|                 |           |                | HCH          | RB1#0   | 22.11         | 17.86     | 38.5        | PASS    |
|                 |           |                |              | RB1#25  | 22.36         | 18.11     | 38.5        | PASS    |
|                 |           |                |              | RB1#49  | 22.20         | 17.95     | 38.5        | PASS    |
|                 |           |                |              | RB25#0  | 21.29         | 17.04     | 38.5        | PASS    |
|                 |           |                |              | RB25#13 | 21.27         | 17.02     | 38.5        | PASS    |
|                 |           |                |              | RB25#25 | 21.27         | 17.02     | 38.5        | PASS    |
|                 |           |                |              | RB50#0  | 21.21         | 16.96     | 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:

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

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



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   | 4.51         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.63         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.41         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.33         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.49         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.86         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.66         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.72         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.91         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.80         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.11         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.62         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.49         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.51         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.33         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.16         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.20         | 13         | PASS    |
|                    |           | 3                    | LCH          | RB1#0   | 4.46         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.55         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.83         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.33         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.84         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.40         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.19         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.21         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.73         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.72         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.55         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.57         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      | HCH          | RB1#0   | 4.66         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.56         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 6.18         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 6.01         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.18         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 4.56         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.78         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.04         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.91         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.76         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.16         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.70         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.40         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.50         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.50         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.80         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.90         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.75         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.87         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.02         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.89         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.20         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.57         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.96         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.95         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.04         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.14         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.25         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.74         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.18         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.80         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#13 | 5.52         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.17         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.15         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.43         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.59         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.12         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.12         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.19         | 13         | PASS    |
|                    | LTE/TM2   | 1.4                  | LCH          | RB1#0   | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.07         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.20         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.59         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.40         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.43         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.16         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.78         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.30         | 13         | PASS    |
|                    |           | 3                    | HCH          | RB1#0   | 5.63         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.54         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 6.03         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.89         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.96         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.39         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 5.07         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.13         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.36         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 6.48         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 6.40         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 6.71         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.11         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.76         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#7   | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.55         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 6.12         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 6.28         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.84         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.54         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 6.44         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 6.41         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 6.26         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.50         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 4.53         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.70         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.25         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.26         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.48         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.95         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.76         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.36         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.35         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.60         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.29         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.34         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.77         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.63         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.56         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.52         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.60         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 7.61         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.52         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.82         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.92         | 13         | PASS    |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#25 | 6.90         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 7.23         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 6.16         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.52         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 7.25         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.81         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.74         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 7.17         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.22         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.47         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.63         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.76         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 7.05         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 7.30         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 7.05         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

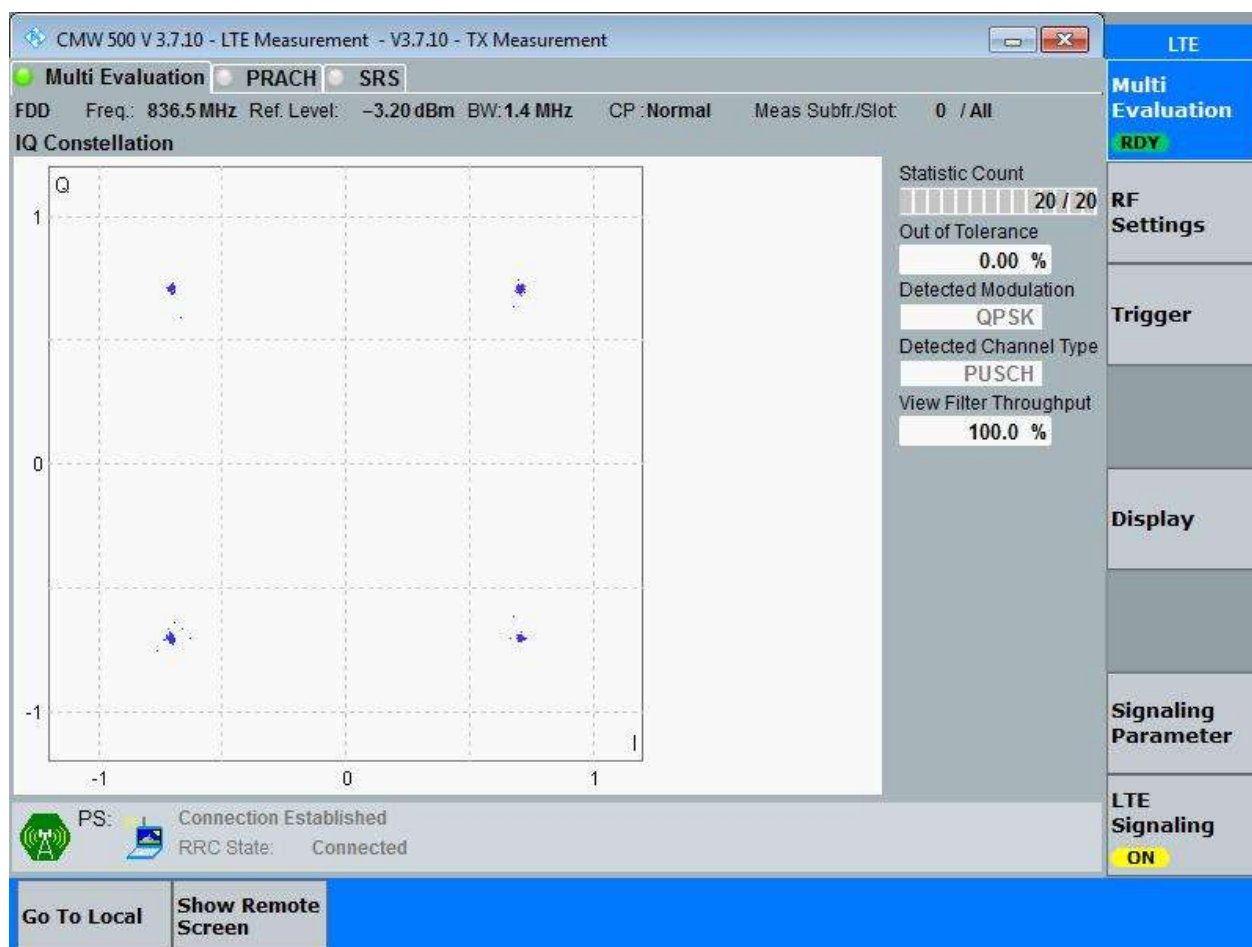
##### 3.1.1 Test Band = Band5

##### 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

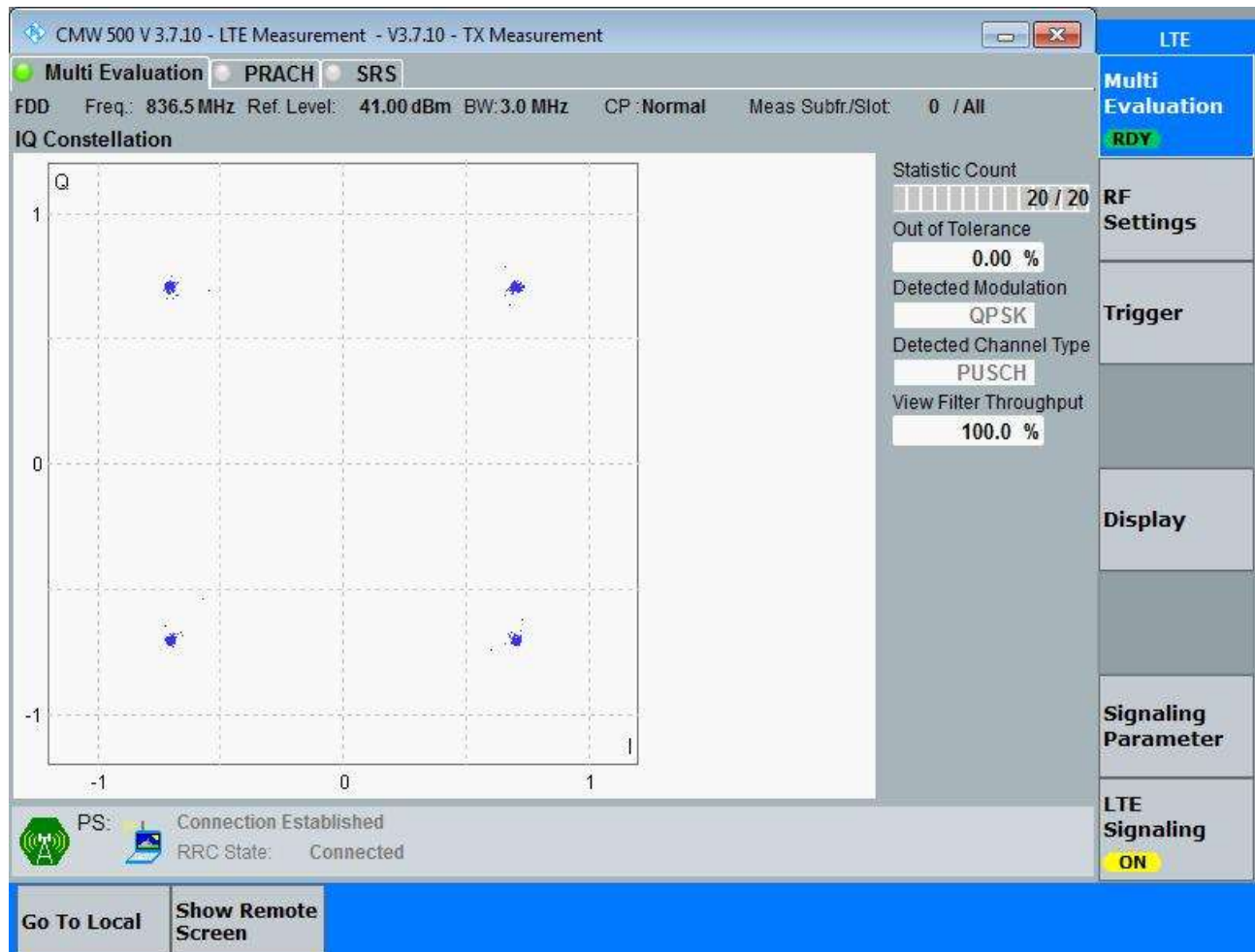
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

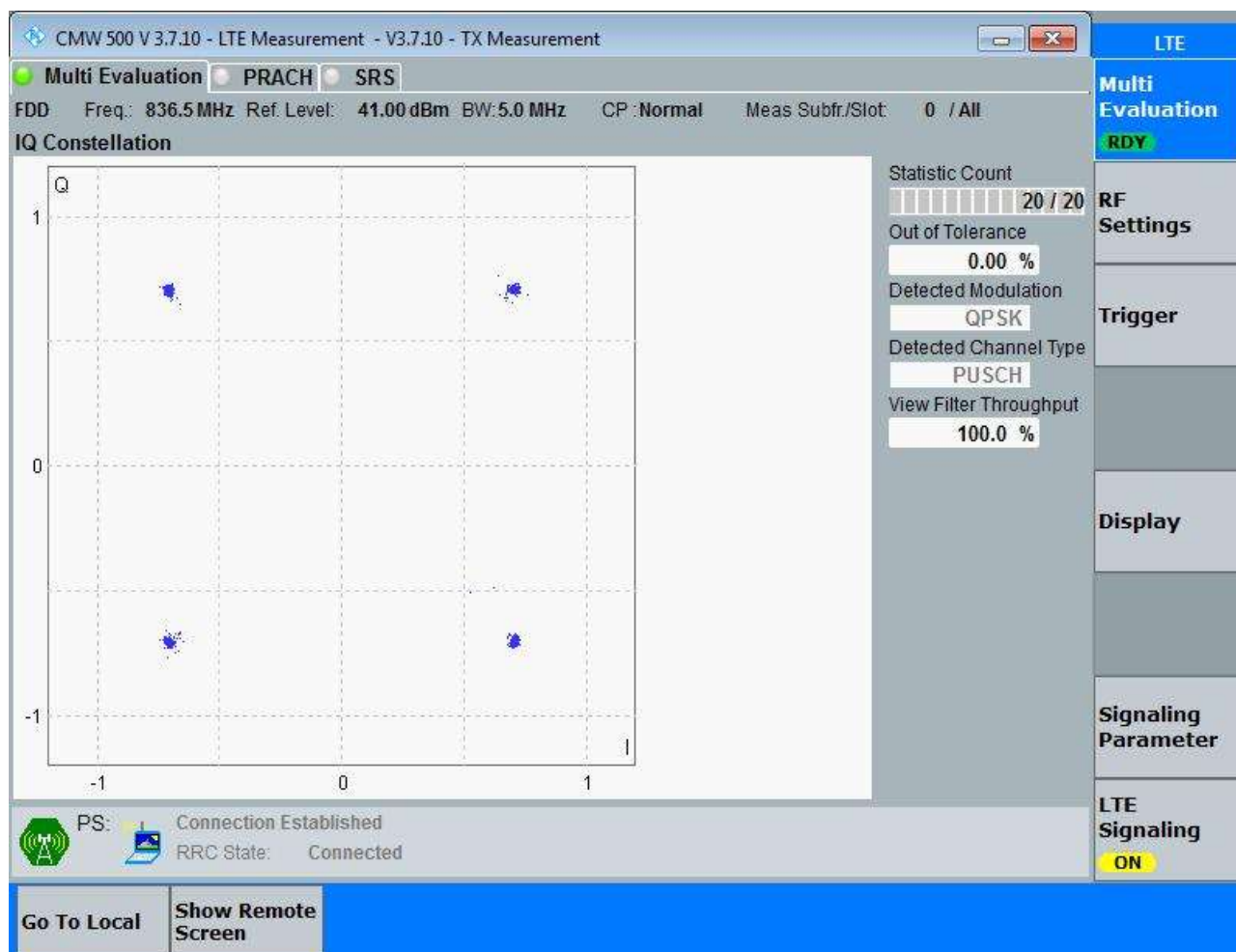
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

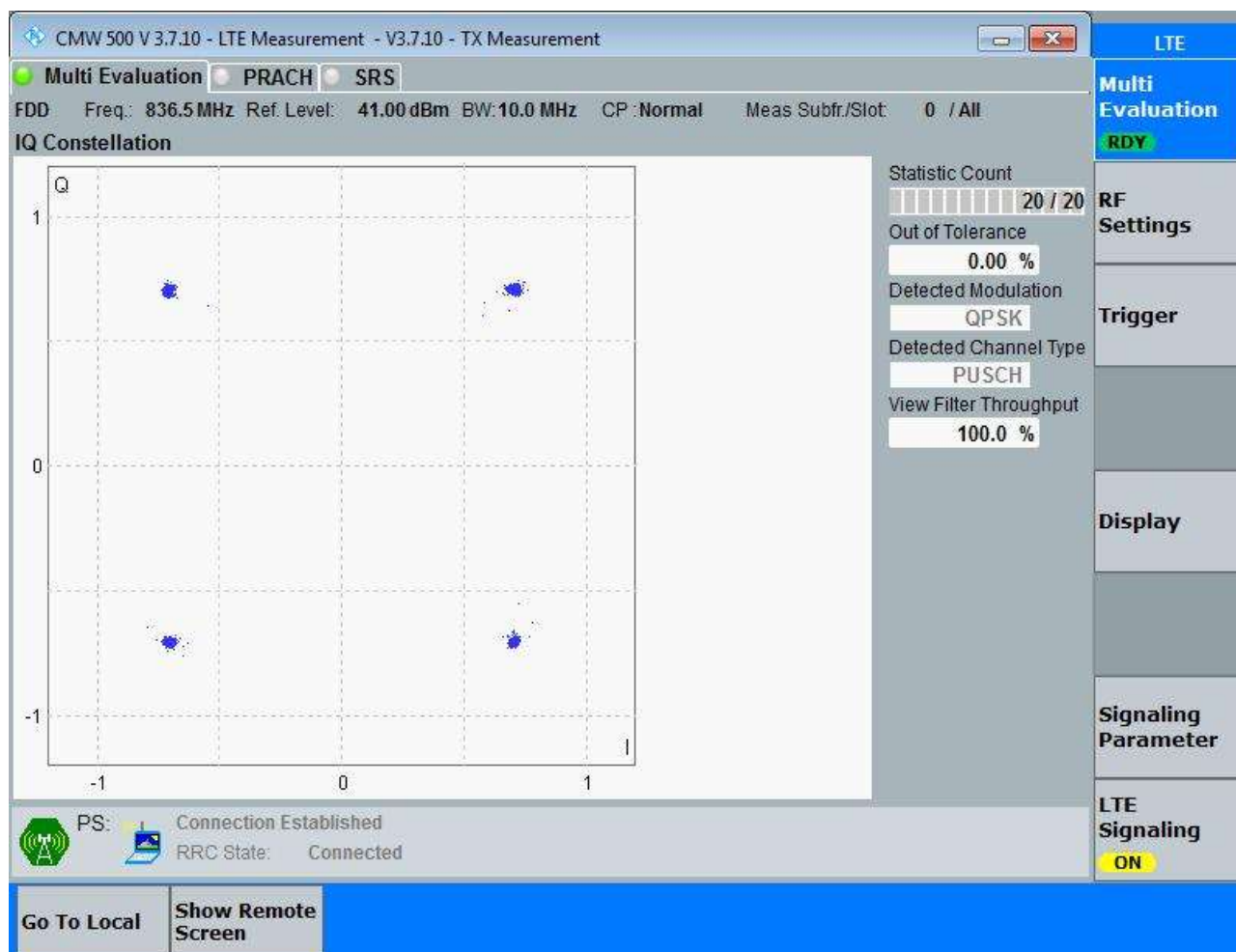
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 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

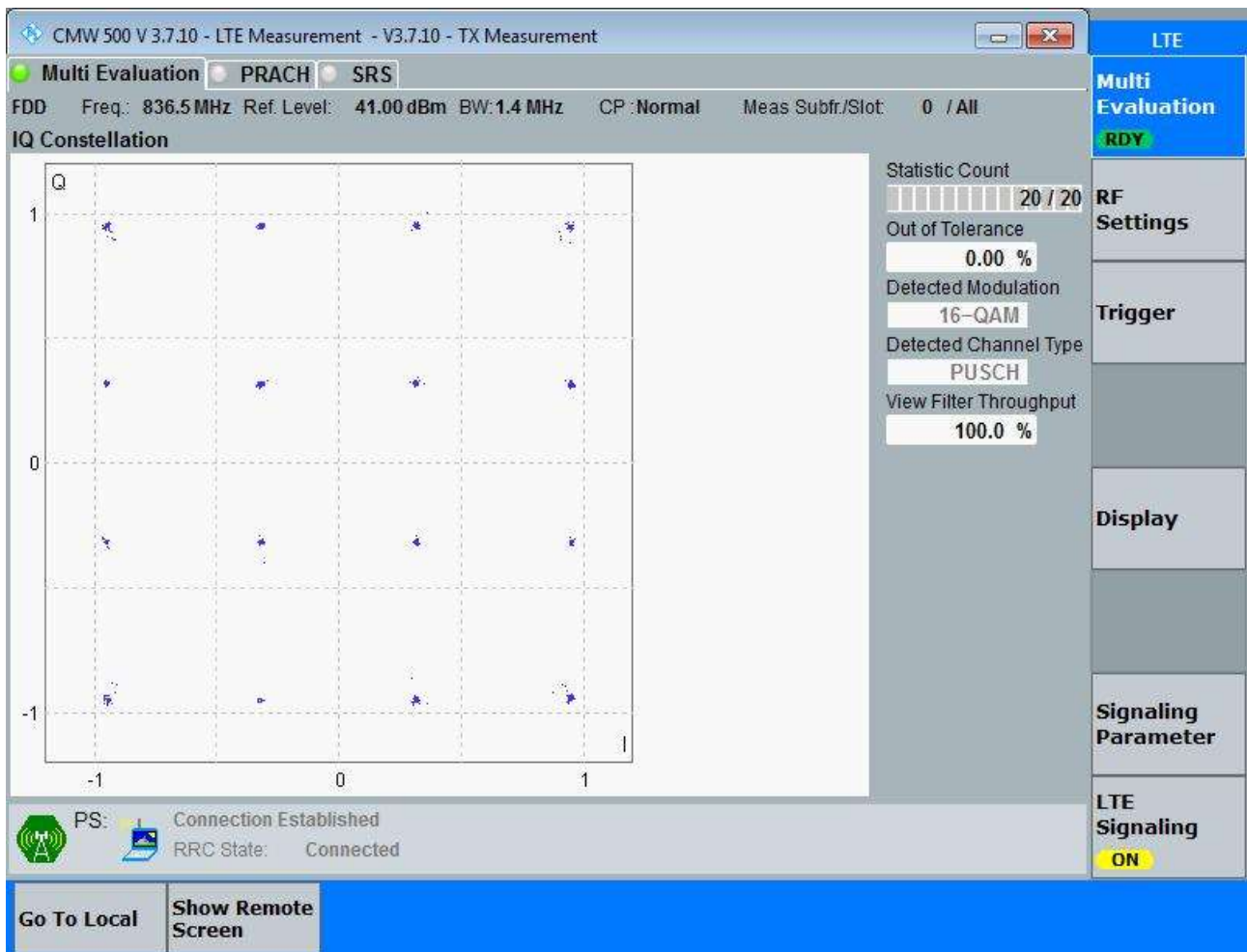


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 1.4

##### 3.1.1.2.1.1 Test Channel = MCH

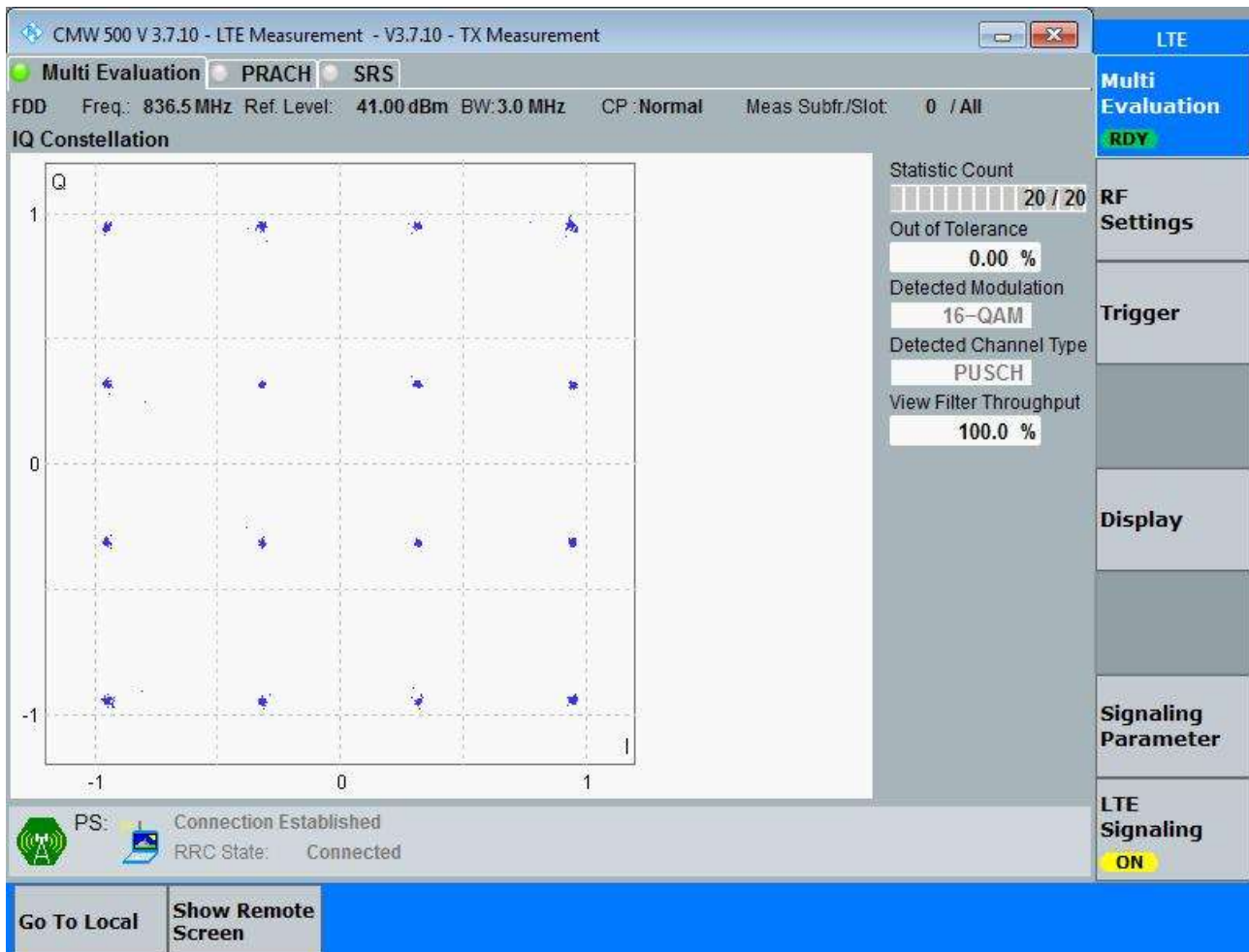
##### 3.1.1.2.1.1.1 Test RB = RB6#0



### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

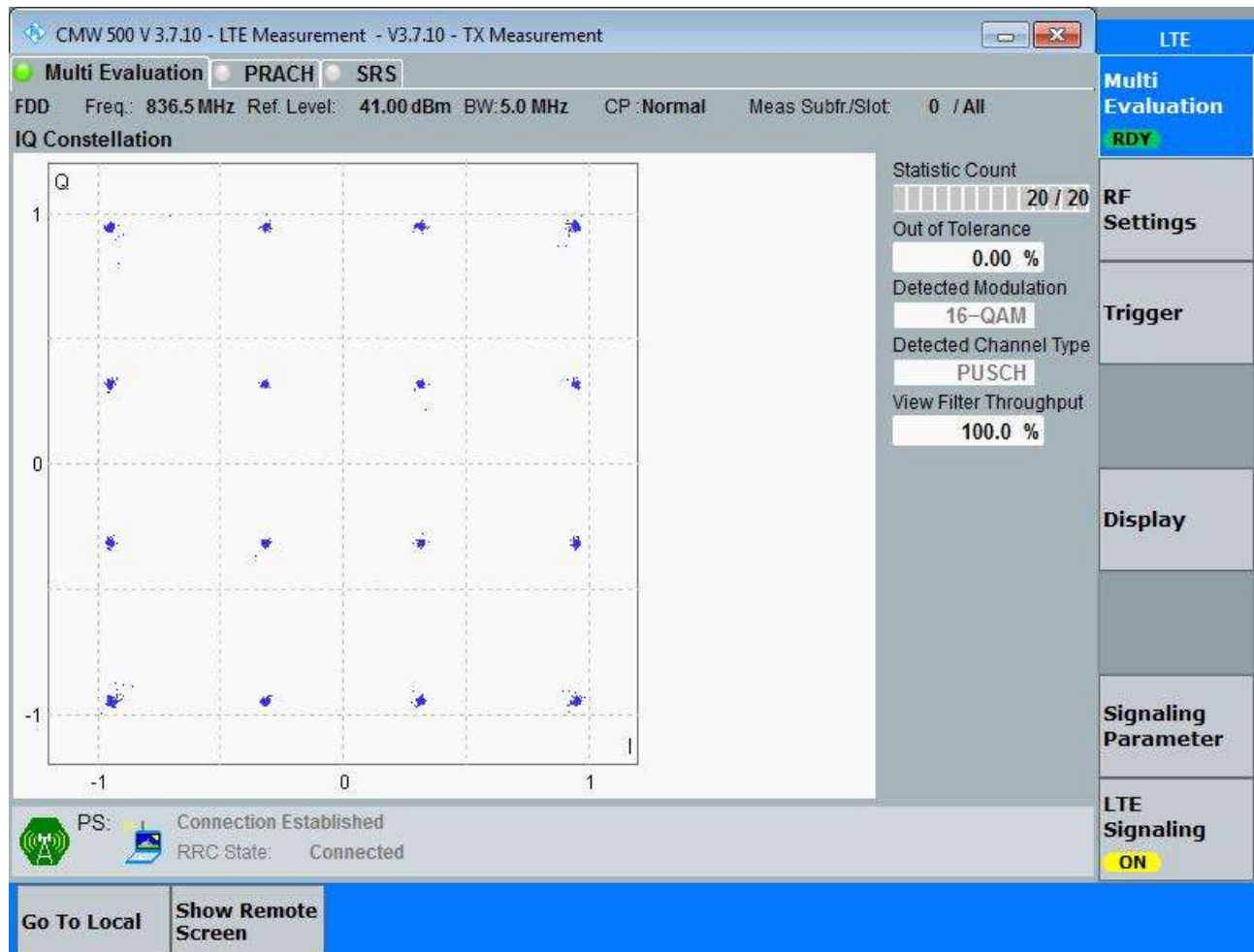
##### 3.1.1.2.2.1.1 Test RB = RB15#0



### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

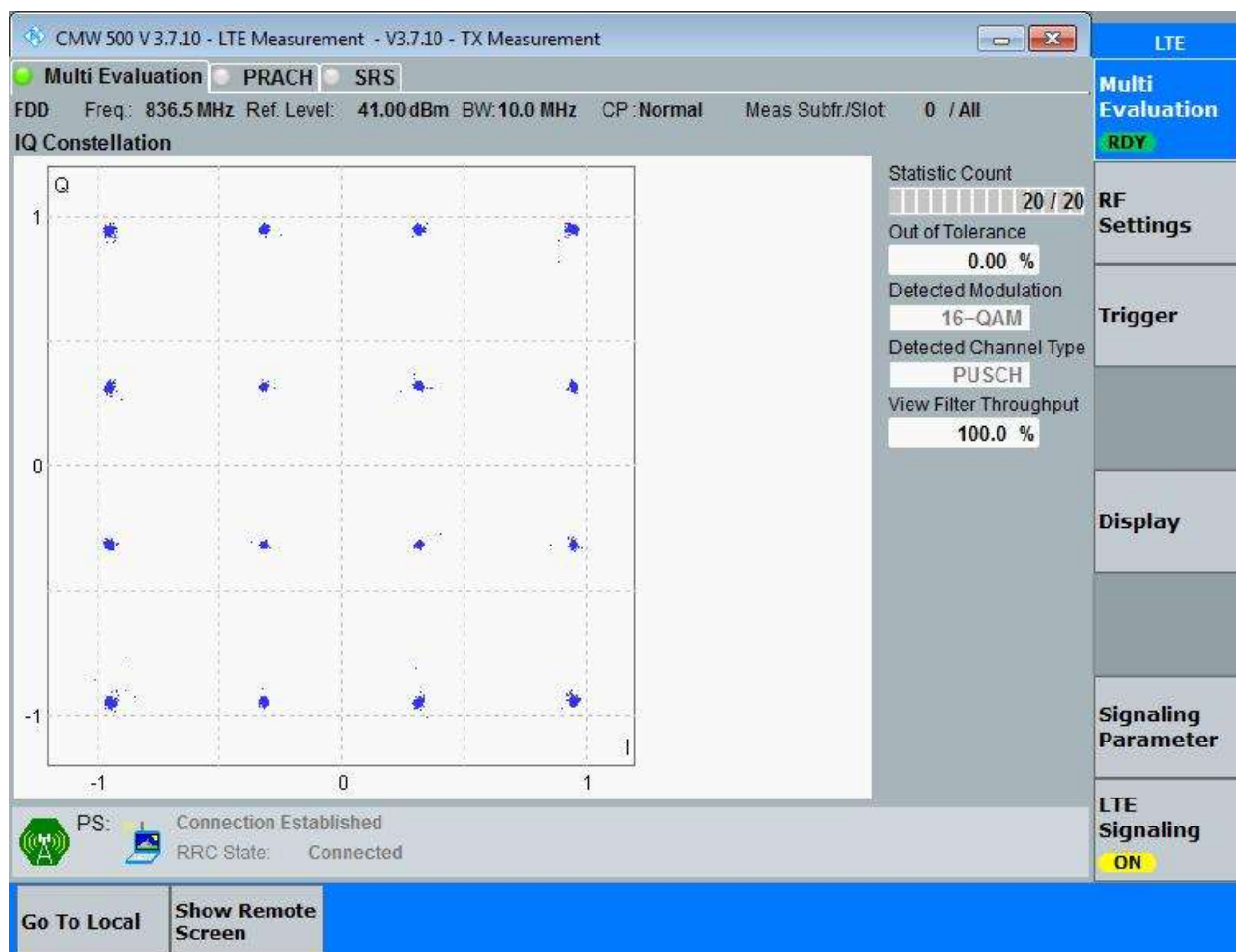
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 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                     | 1.31                     | Pass    |
|           |           |                | MCH          | RB6#0   | 1.10                     | 1.31                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.09                     | 1.30                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.70                     | 2.97                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.69                     | 2.98                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.69                     | 2.91                     | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.51                     | 4.92                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.51                     | 4.88                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.51                     | 4.87                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.97                     | 9.72                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.98                     | 9.83                     | Pass    |
|           |           |                | HCH          | RB50#0  | 9.01                     | 9.76                     | Pass    |
|           | LTE/TM2   | 1.4            | LCH          | RB6#0   | 1.09                     | 1.33                     | Pass    |
|           |           |                | MCH          | RB6#0   | 1.09                     | 1.28                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.10                     | 1.30                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.69                     | 3.51                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.69                     | 2.93                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.69                     | 2.92                     | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.50                     | 4.89                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.49                     | 4.88                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.49                     | 4.87                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.98                     | 9.75                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.99                     | 9.77                     | Pass    |
|           |           |                | HCH          | RB50#0  | 9.01                     | 9.78                     | Pass    |

## Part II - Test Plots

### 4.1 For LTE

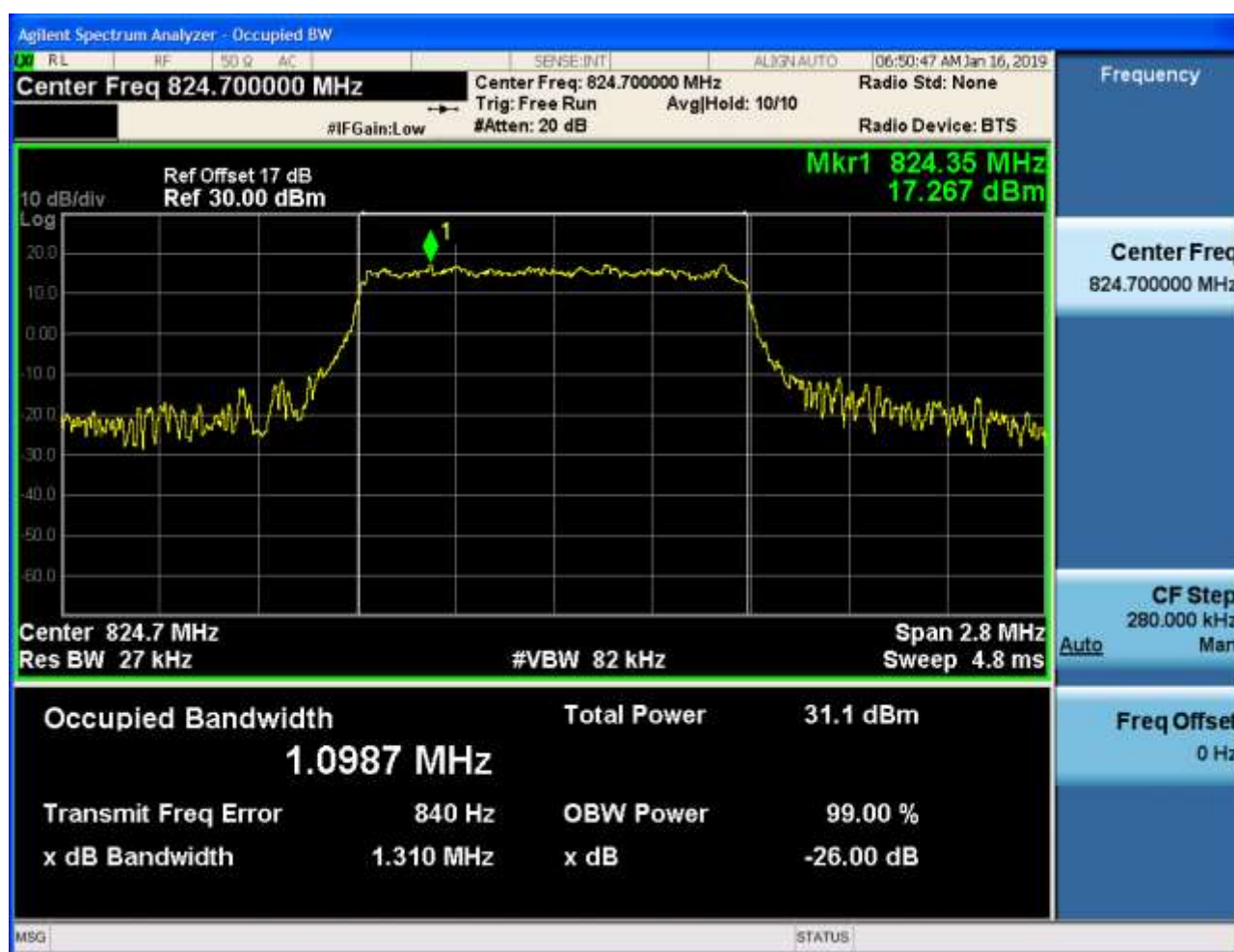
#### 4.1.1 Test Band = Band5

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

##### 4.1.1.1.1 Test Bandwidth = 1.4

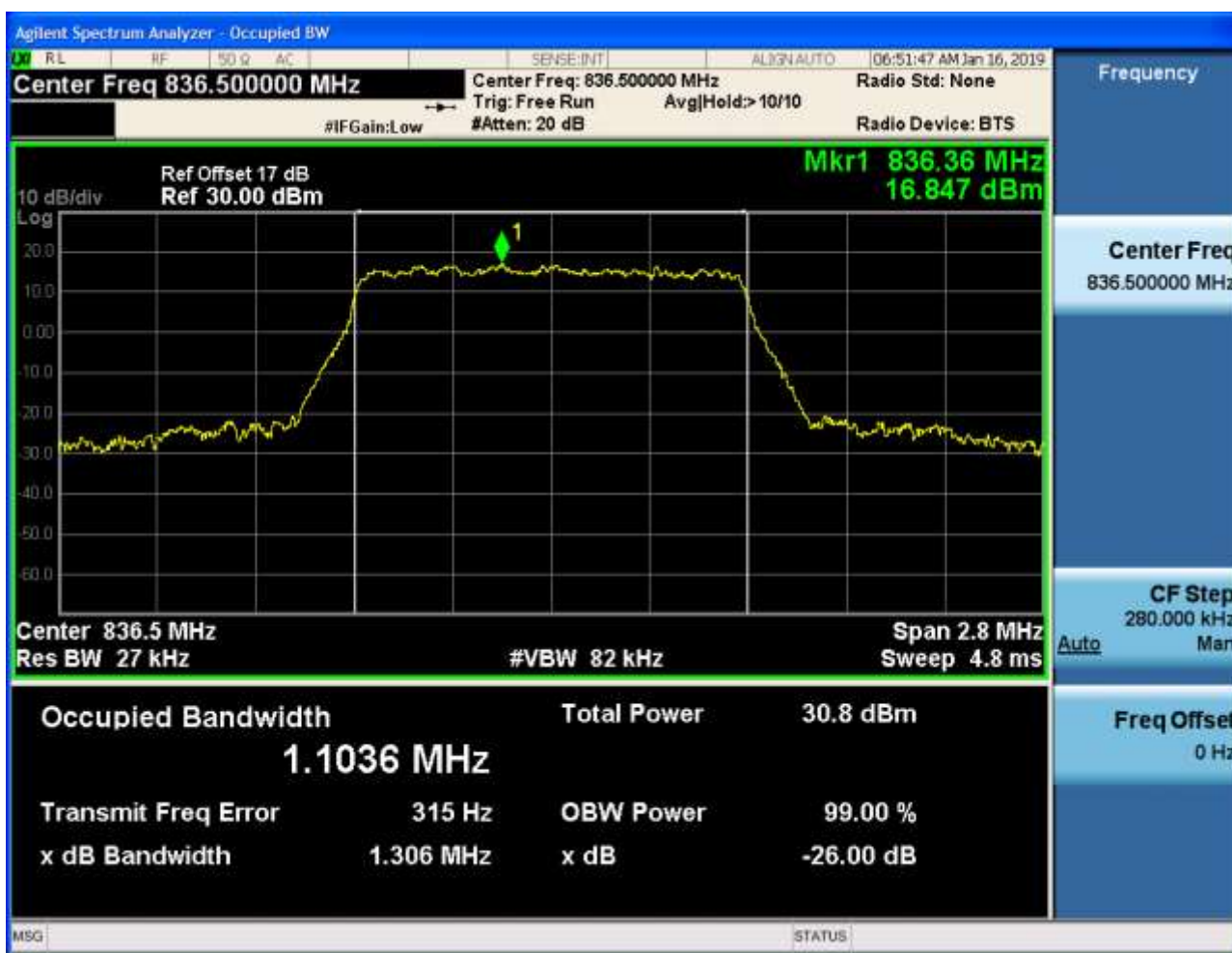
##### 4.1.1.1.1.1 Test Channel = LCH

##### 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

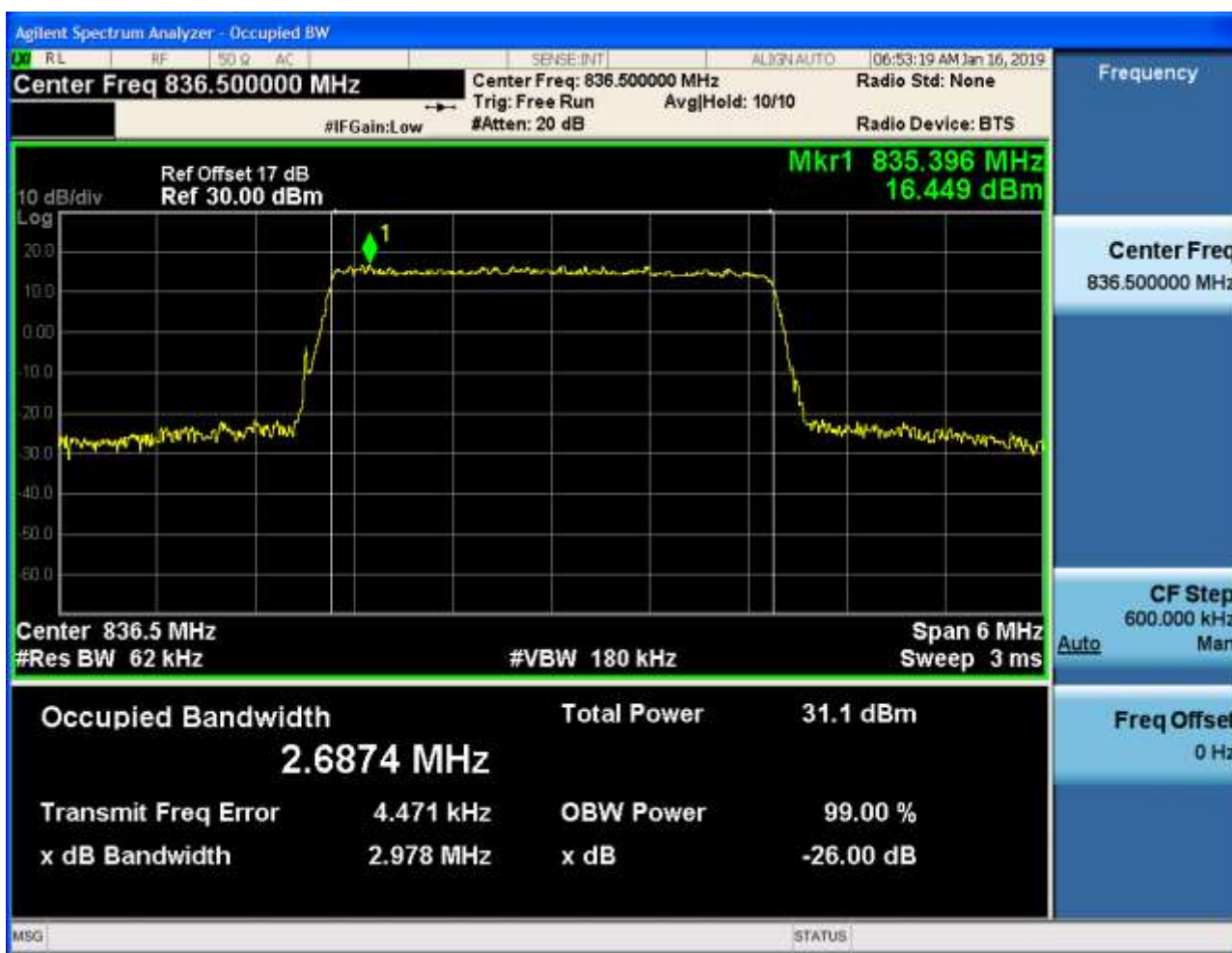
##### 4.1.1.1.2.1 Test Channel = LCH

##### 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

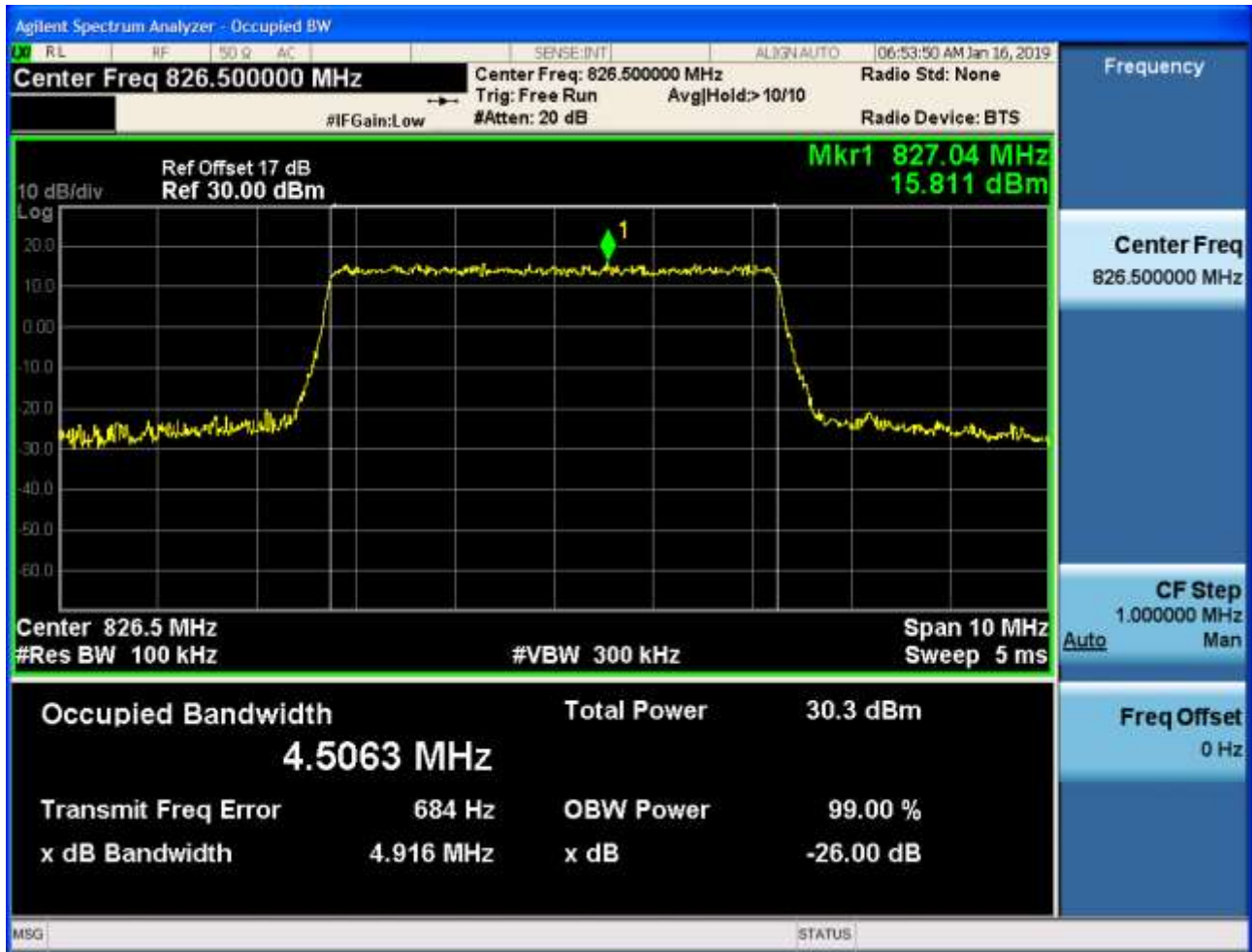
##### 4.1.1.1.2.3.1 Test RB = RB15#0



#### 4.1.1.1.3 Test Bandwidth = 5

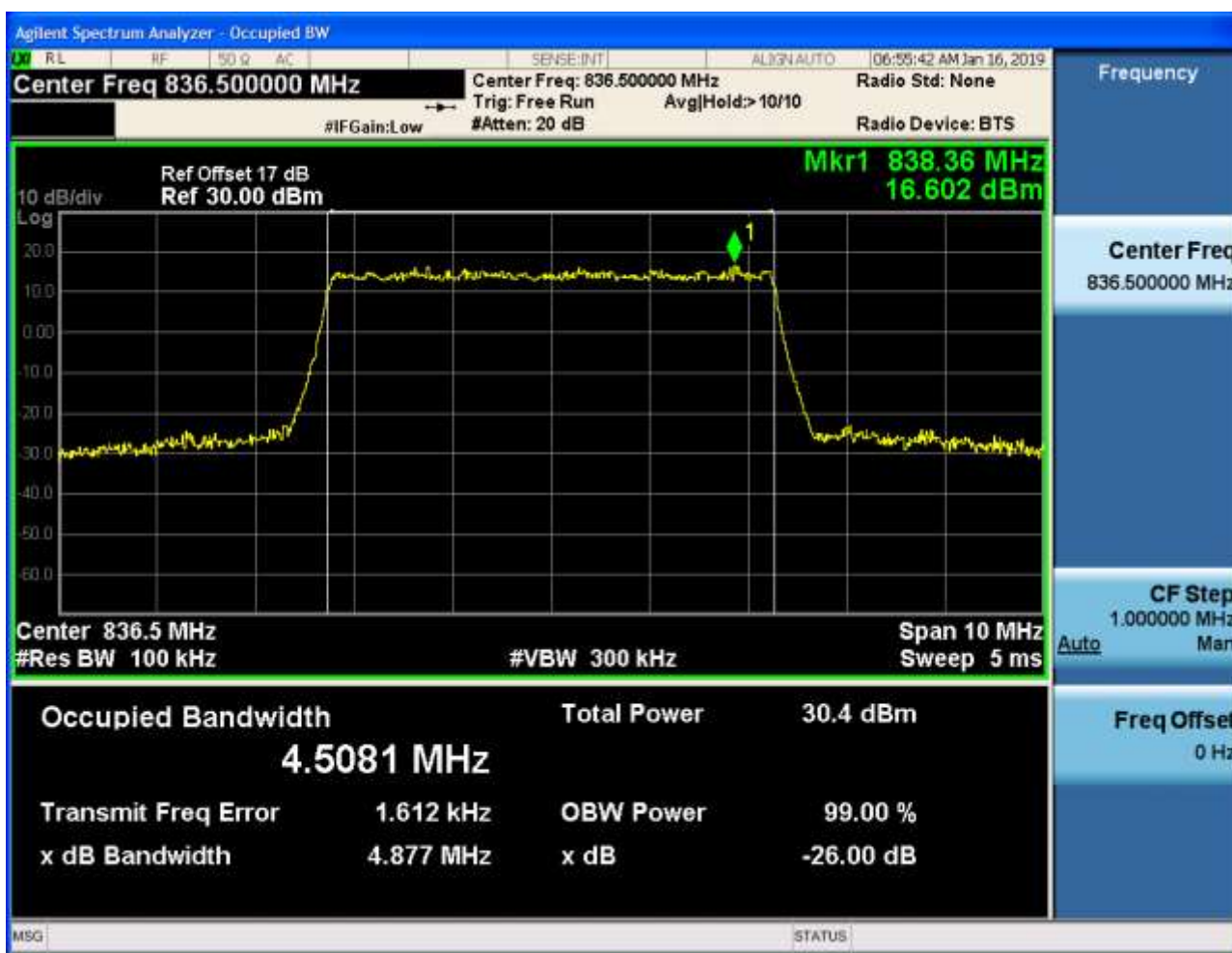
##### 4.1.1.1.3.1 Test Channel = LCH

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



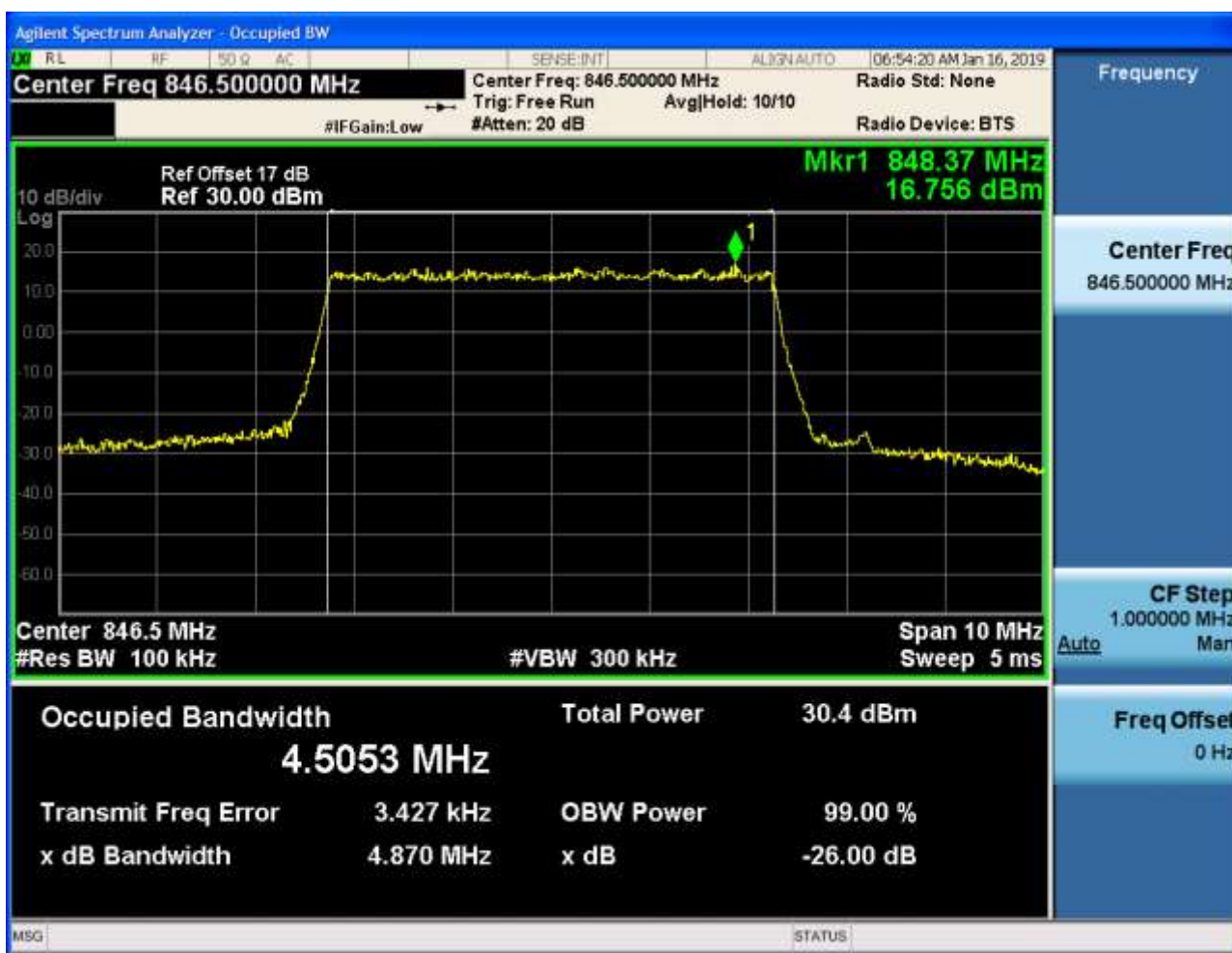
#### 4.1.1.1.3.2 Test Channel = MCH

##### 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

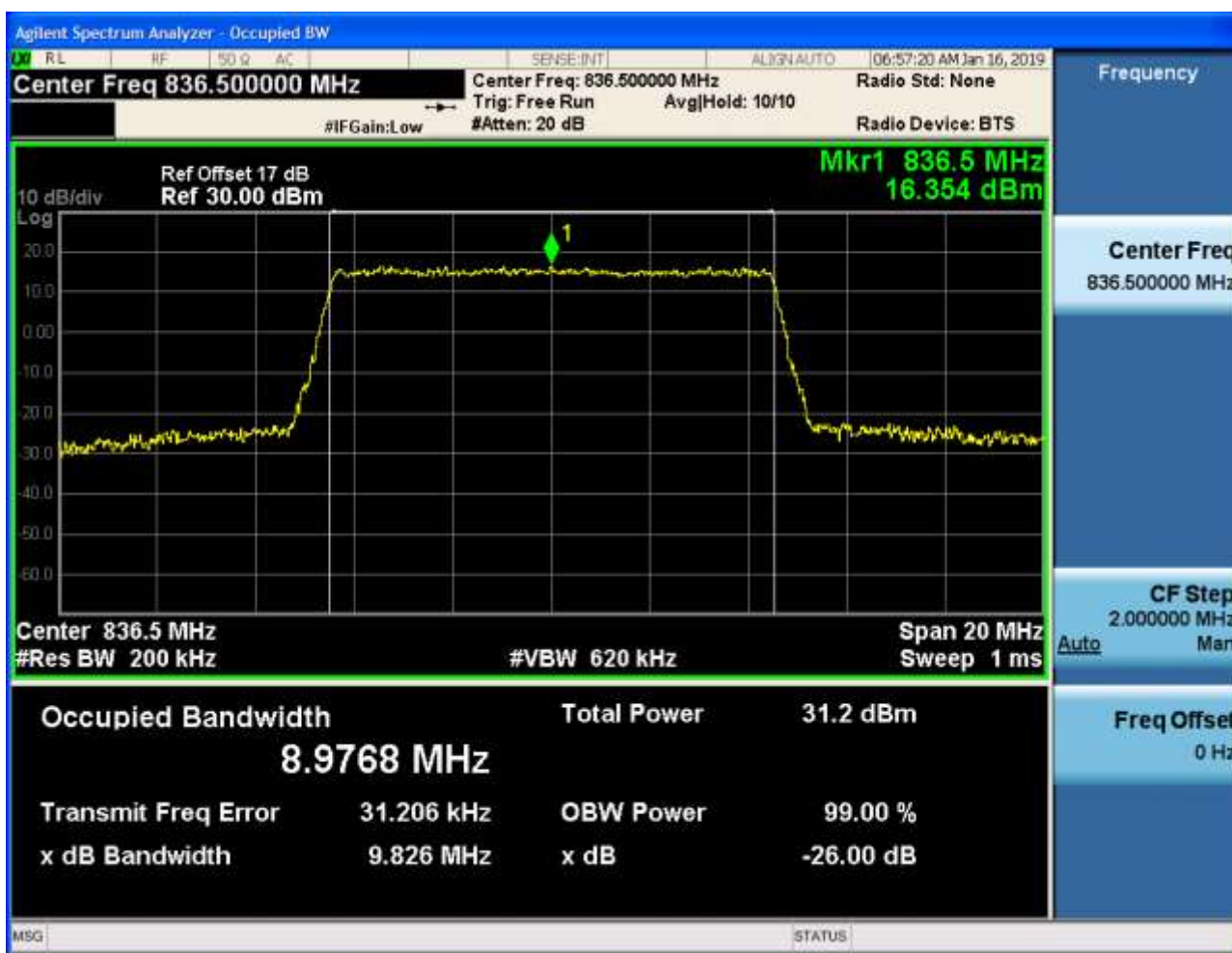
##### 4.1.1.1.4.1 Test Channel = LCH

##### 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

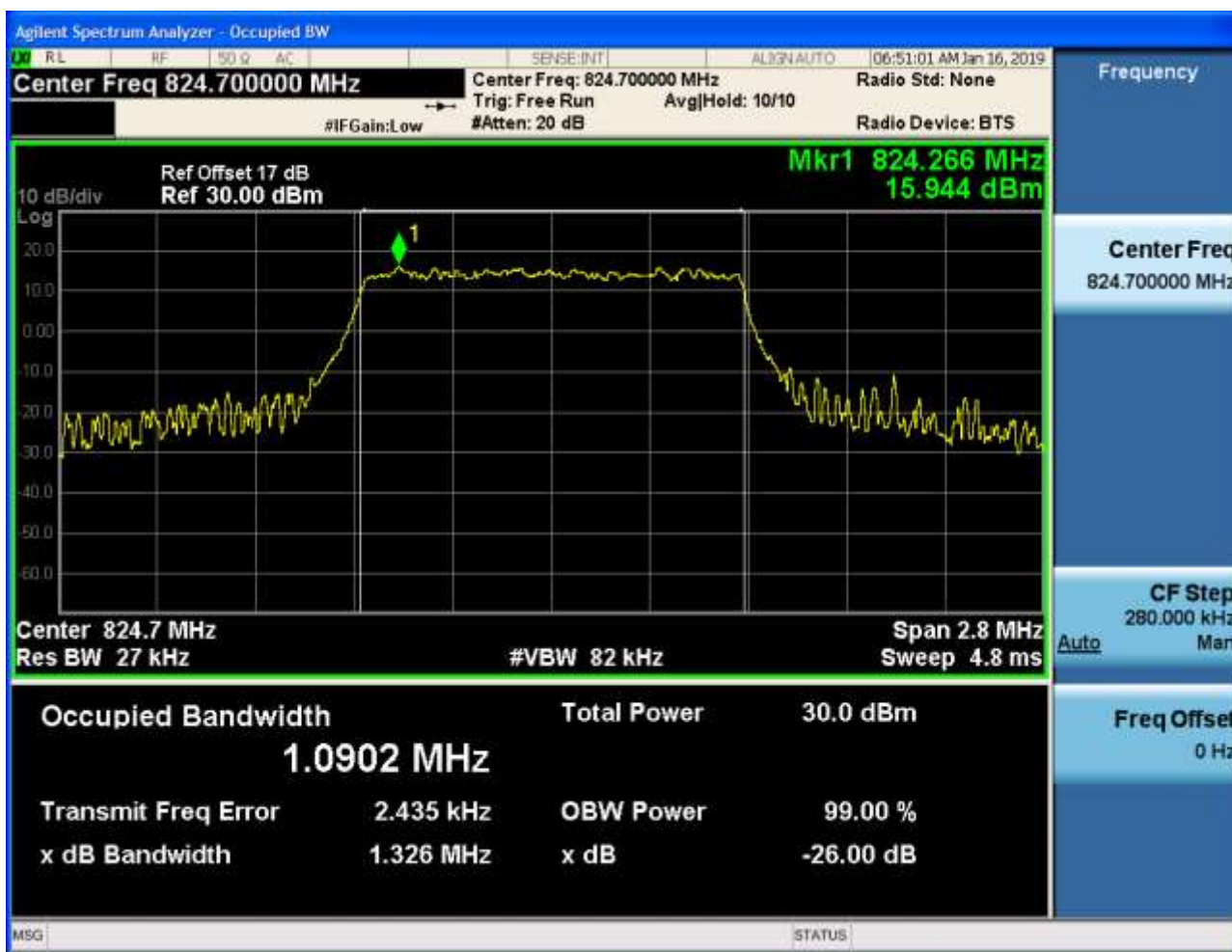


#### 4.1.1.2 Test Mode = LTE/TM2

##### 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

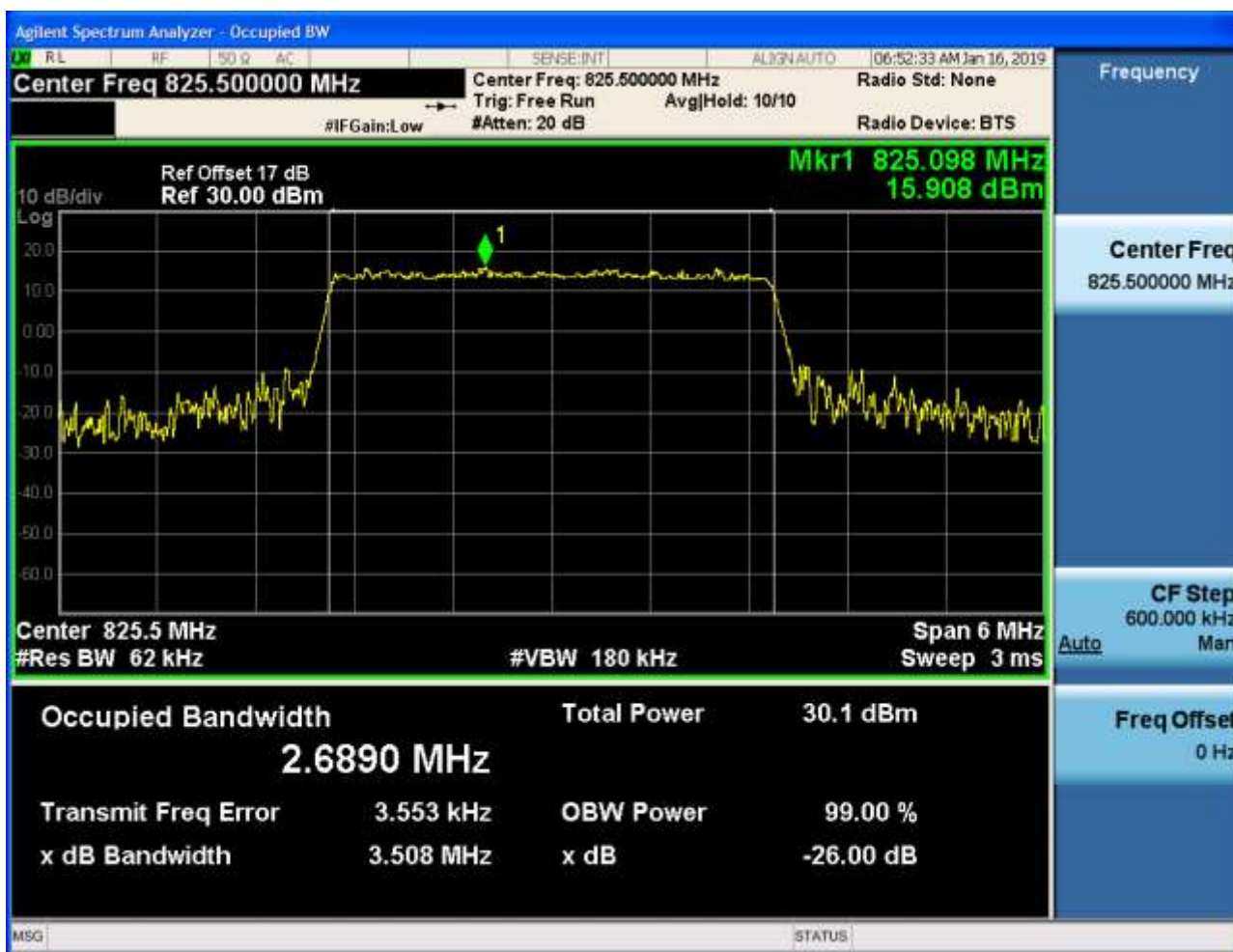
##### 4.1.1.2.1.3.1 Test RB = RB6#0



#### 4.1.1.2.2 Test Bandwidth = 3

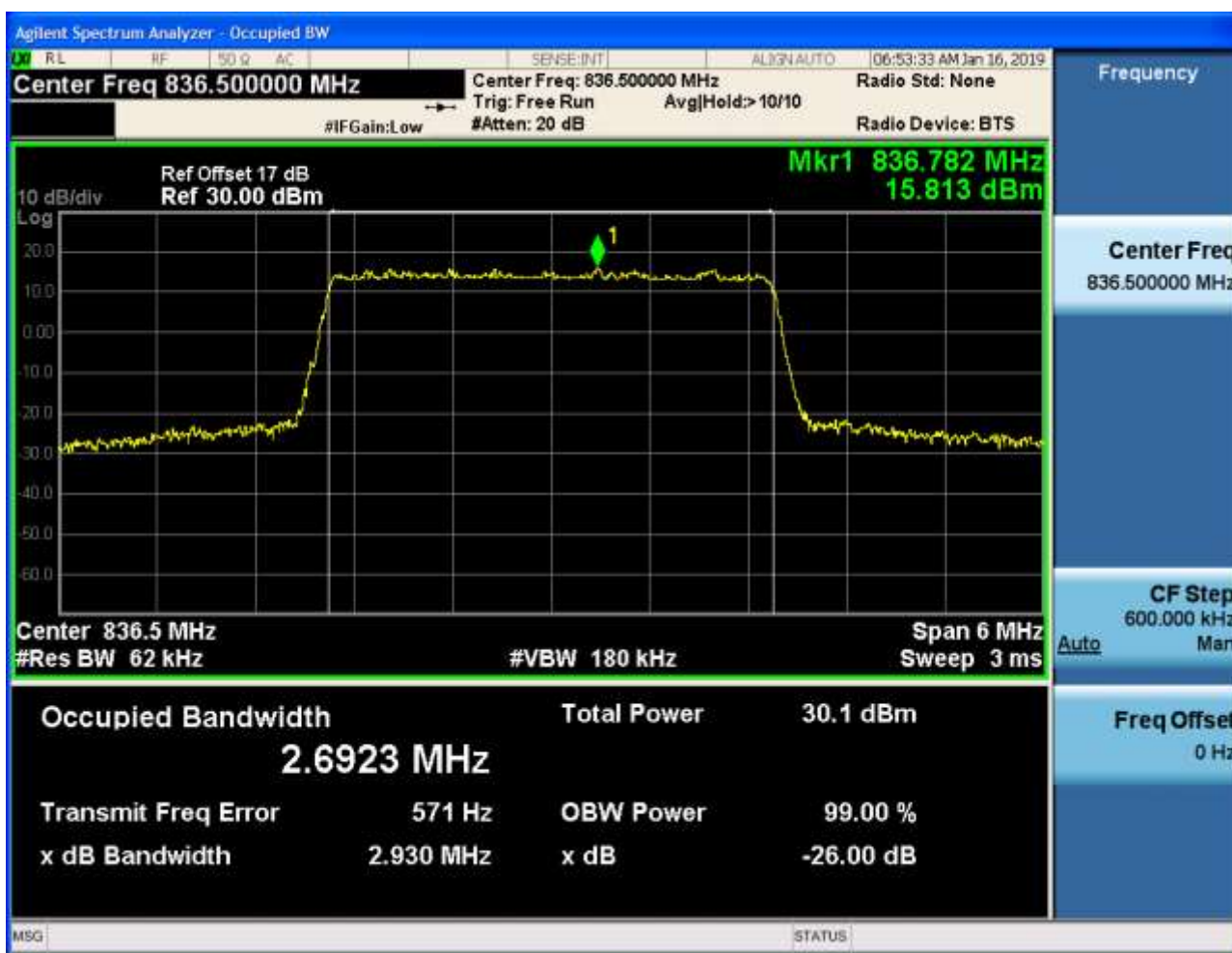
##### 4.1.1.2.2.1 Test Channel = LCH

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



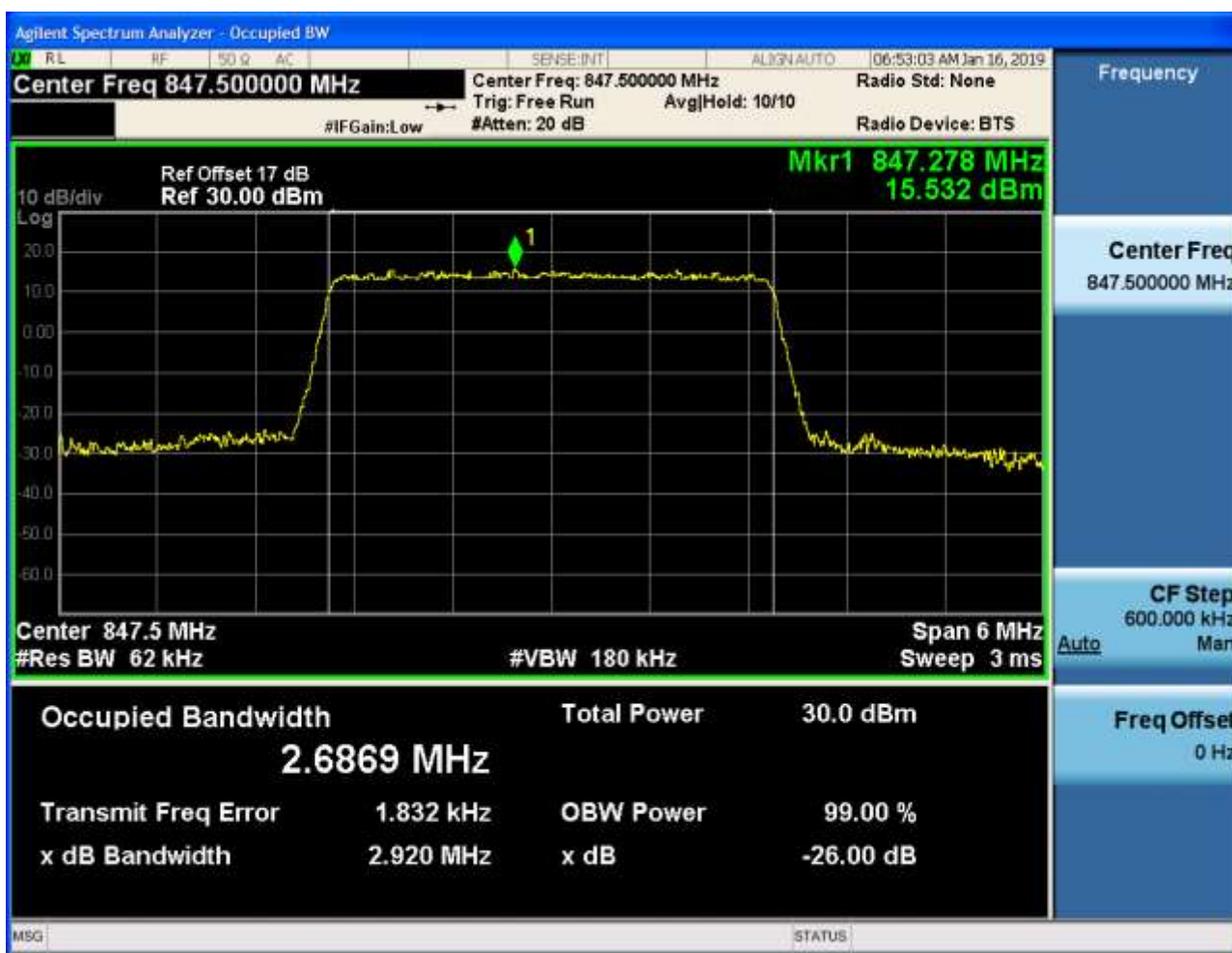
#### 4.1.1.2.2.2 Test Channel = MCH

##### 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

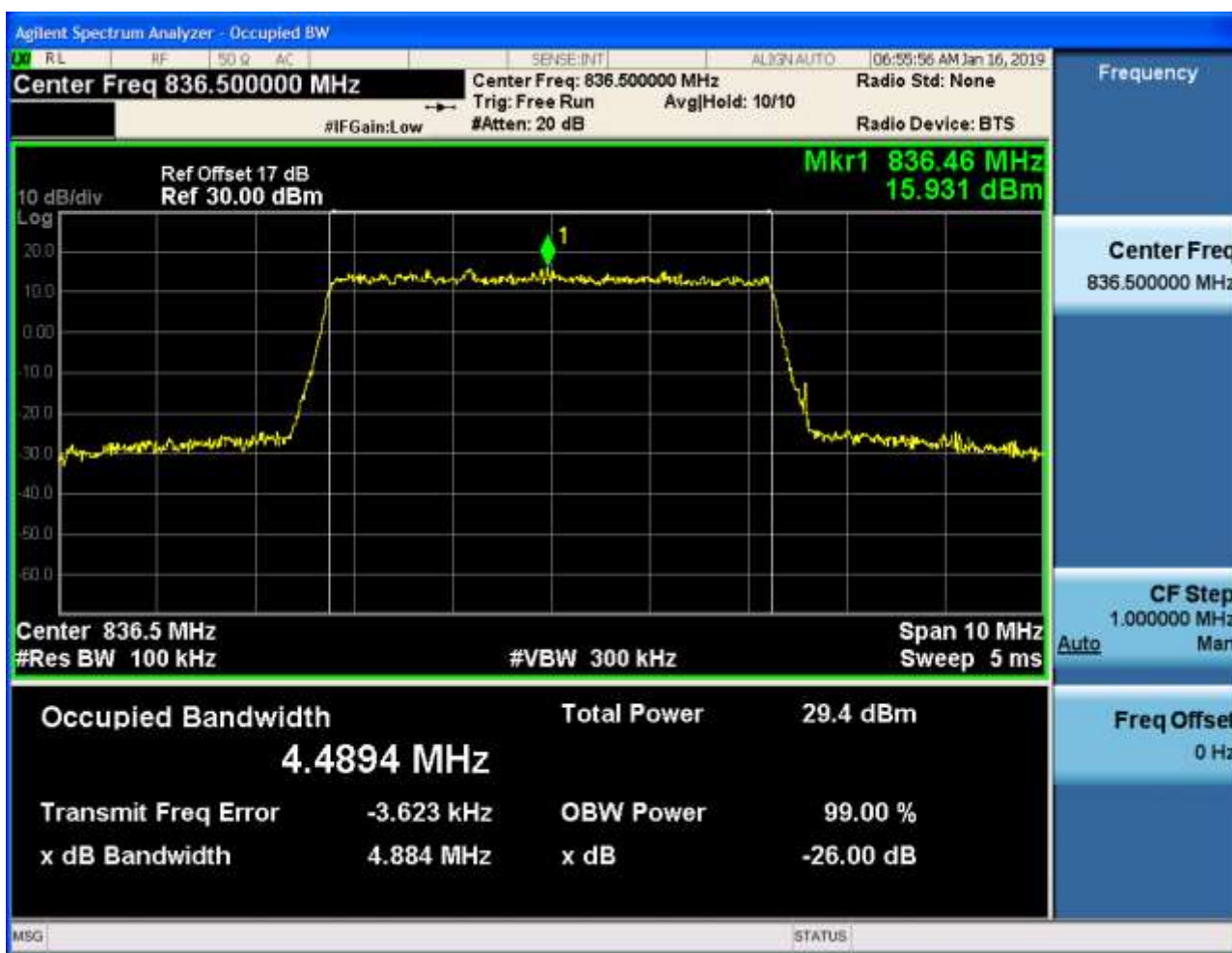
#### 4.1.1.2.3.1 Test Channel = LCH

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



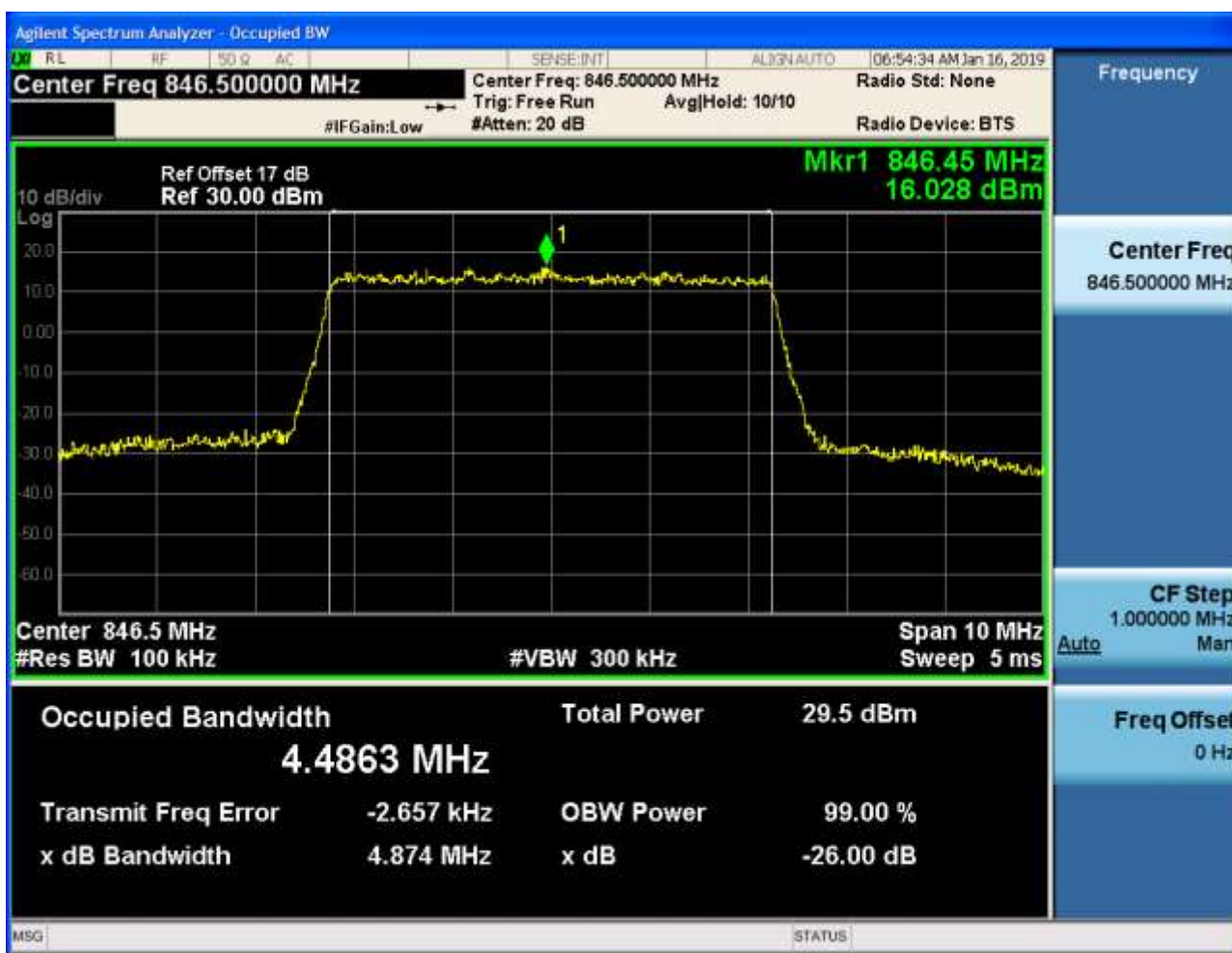
#### 4.1.1.2.3.2 Test Channel = MCH

##### 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

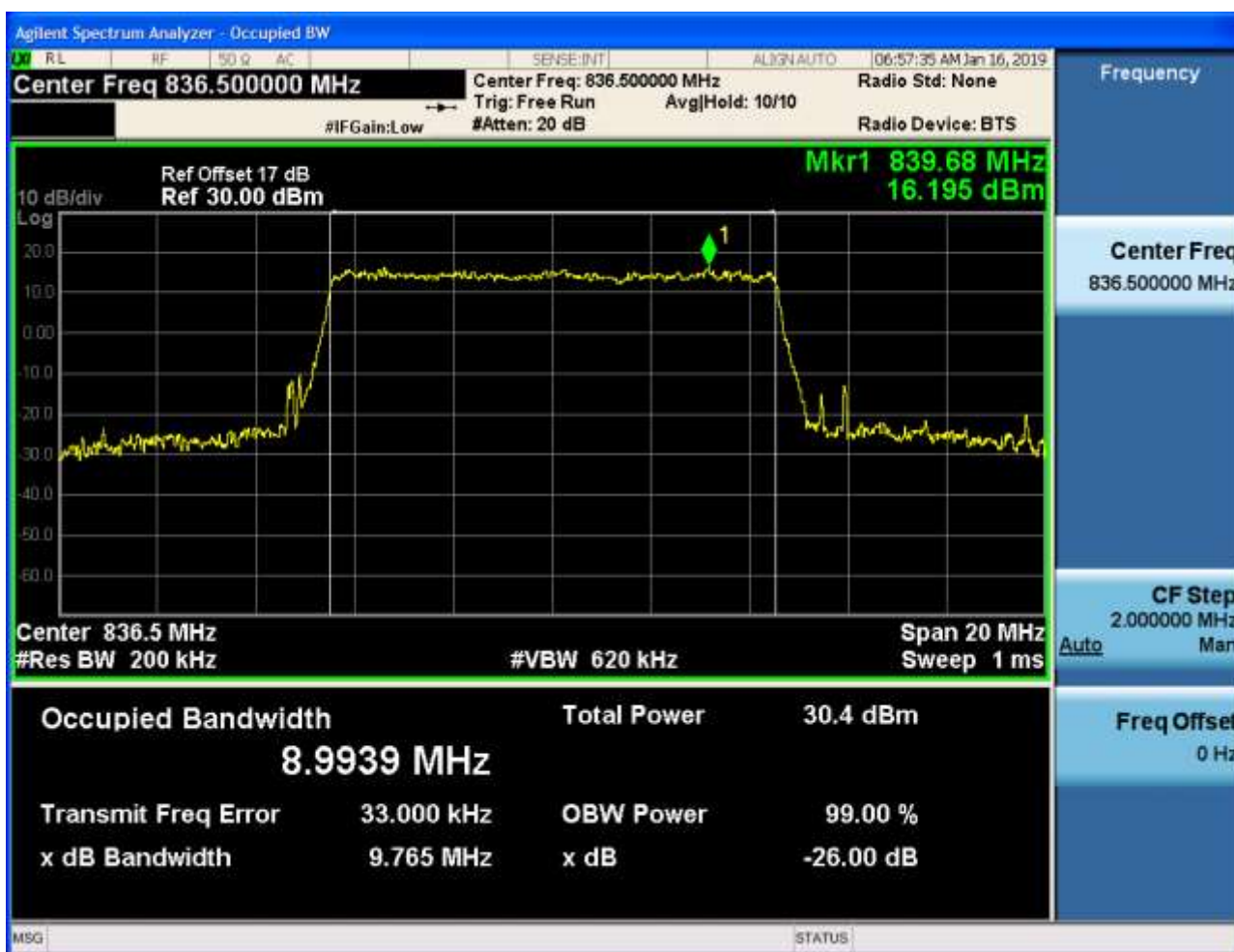
##### 4.1.1.2.4.1 Test Channel = LCH

##### 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

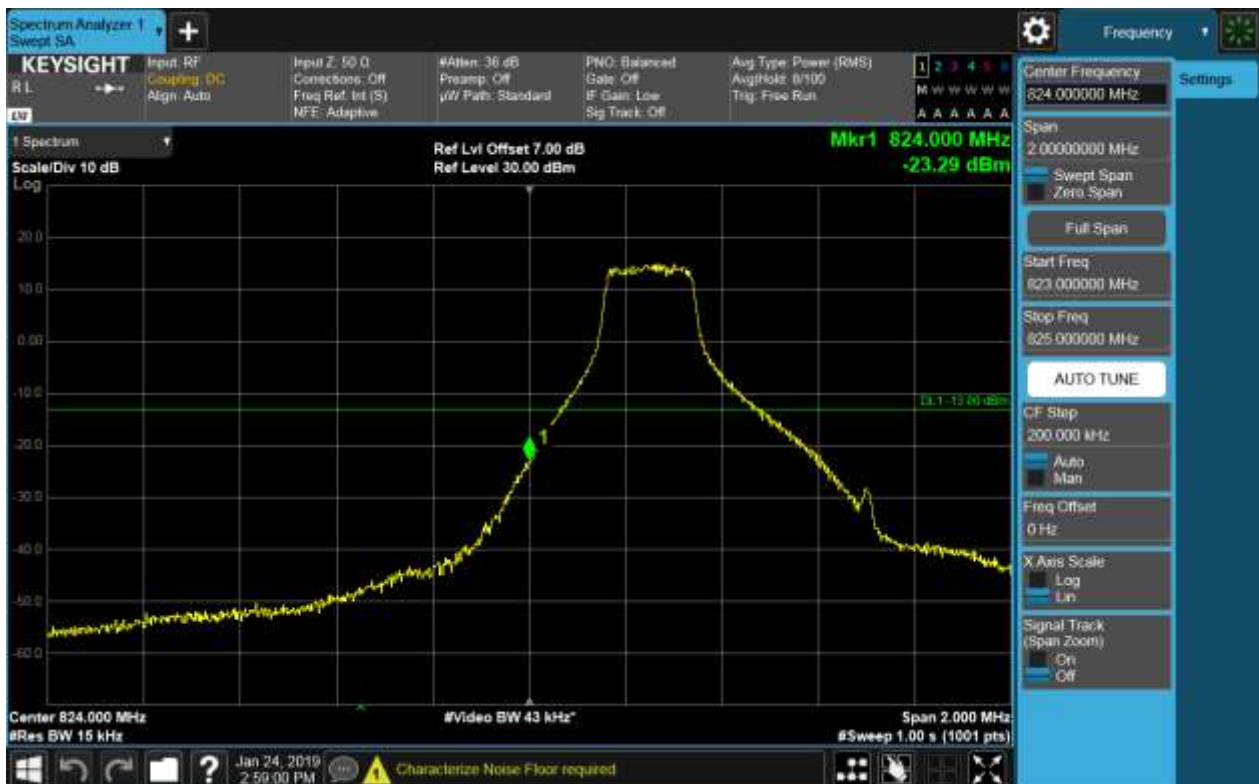
##### 5.1.1 Test Band = Band5

##### 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



### 5.1.1.1.1.3 Test RB = RB3#2



### 5.1.1.1.1.4 Test RB = RB6#0

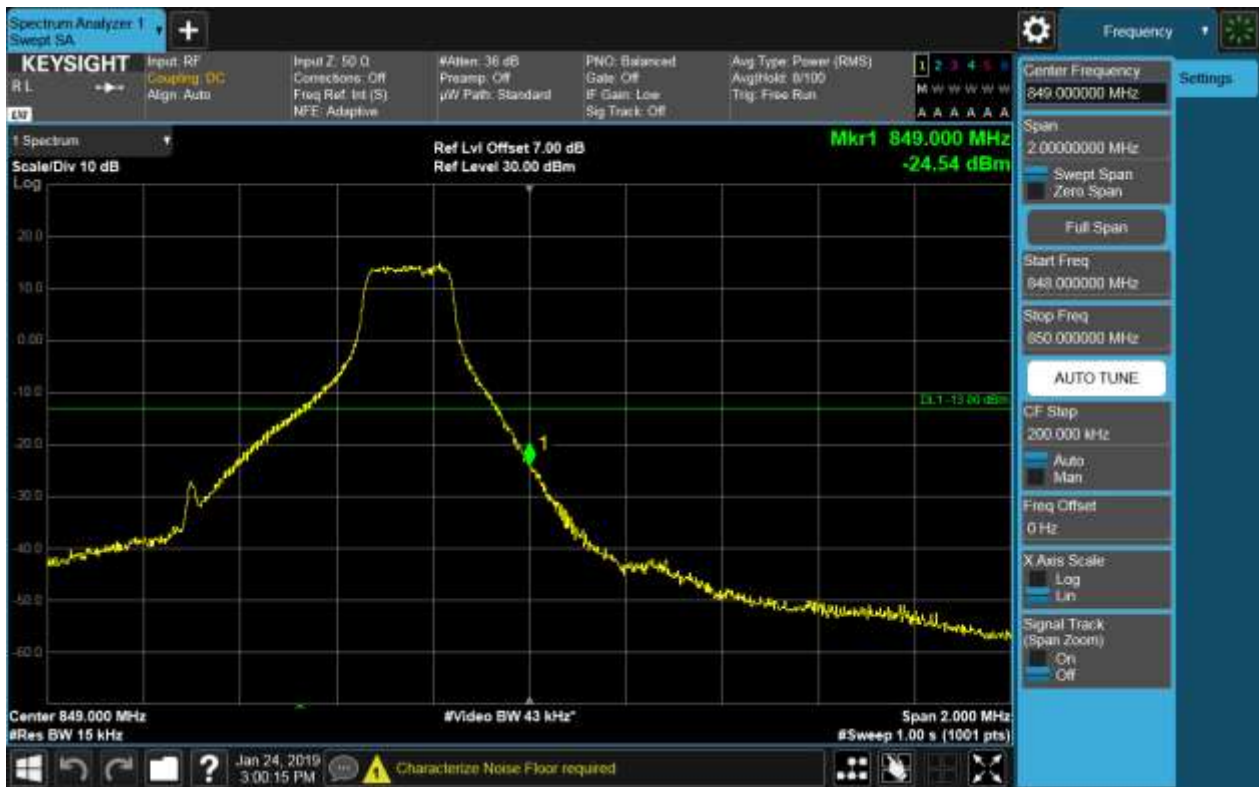


### 5.1.1.1.1.2 Test Channel = HCH

#### 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



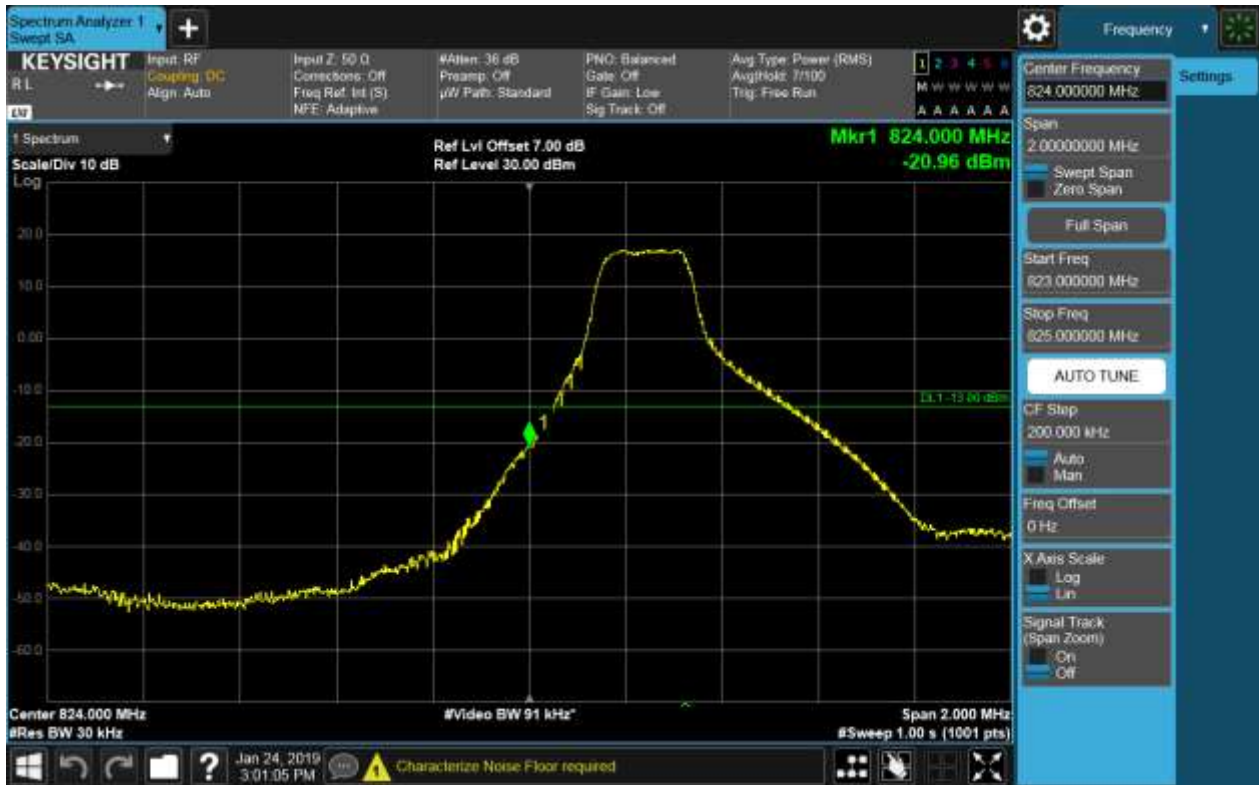
### 5.1.1.1.2.4 Test RB = RB6#0



### 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

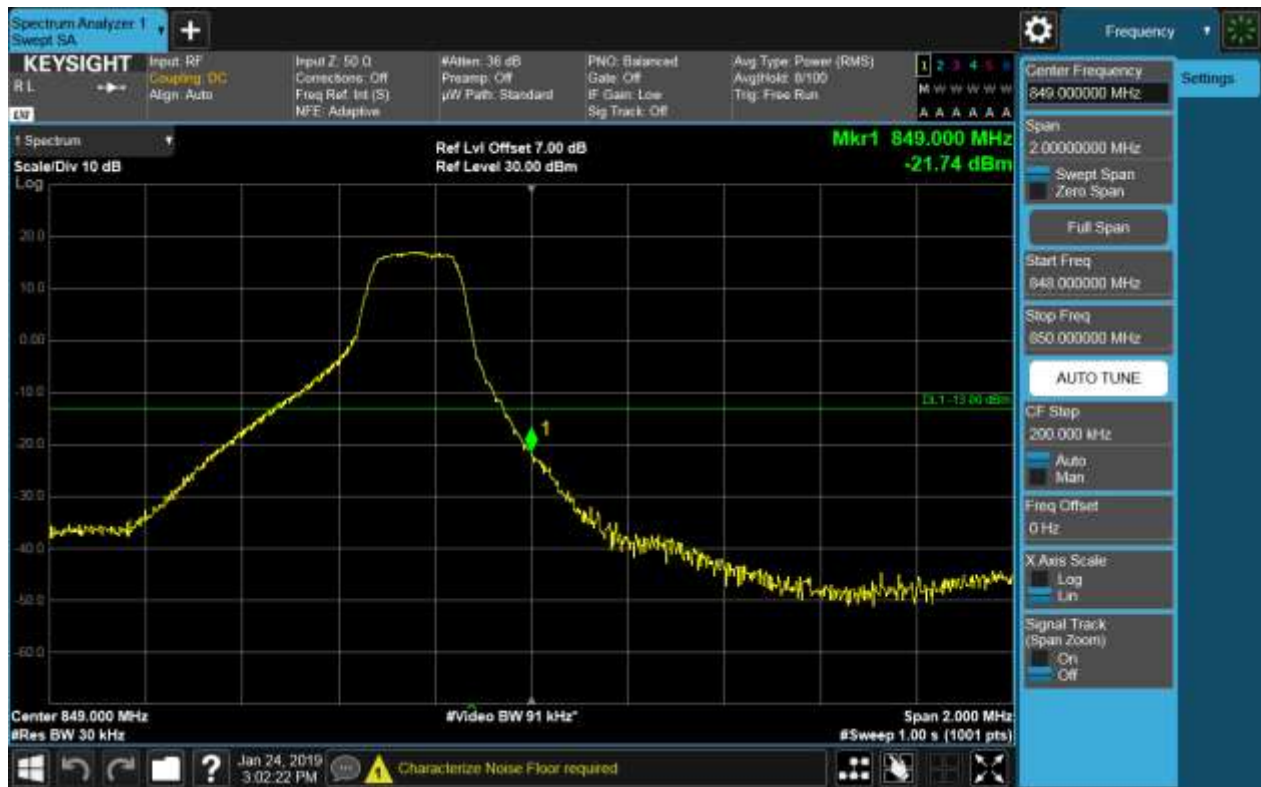


### 5.1.1.1.2.2 Test Channel = HCH

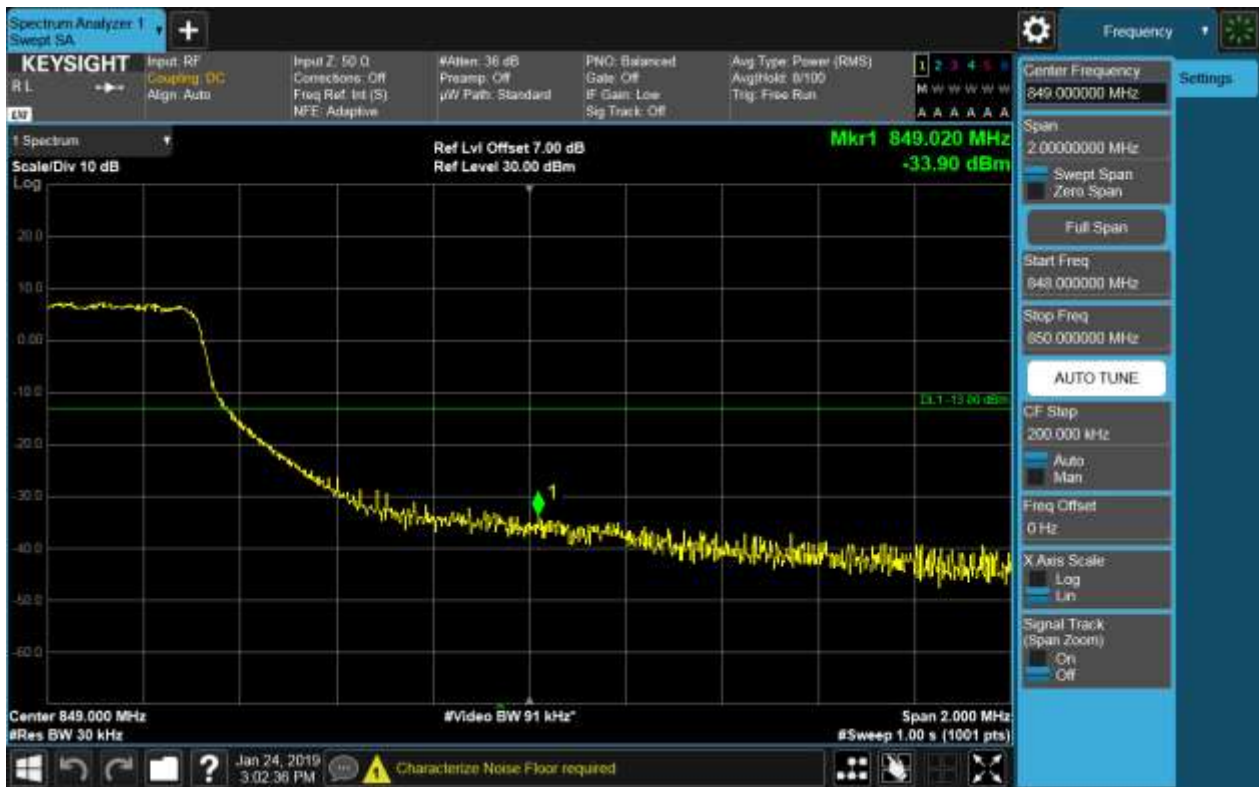
#### 5.1.1.1.2.2.1 Test RB = RB1#0



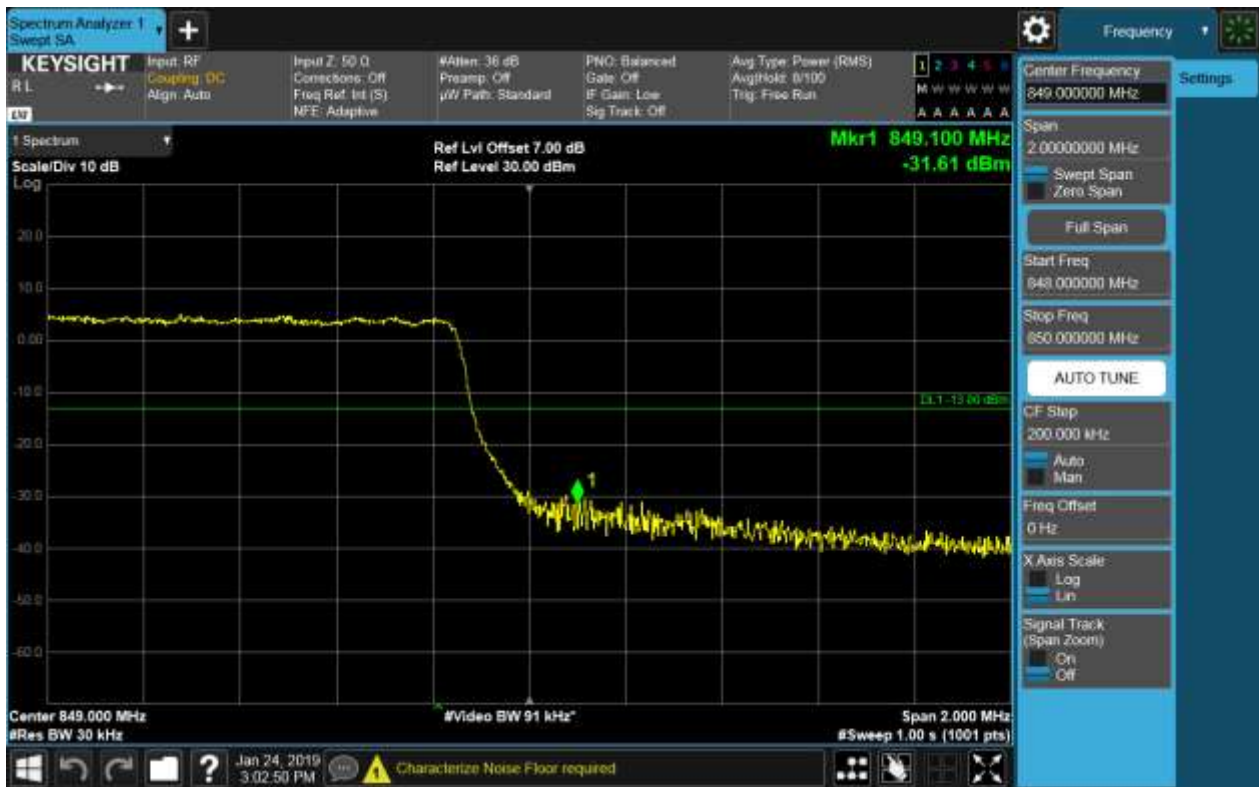
### 5.1.1.1.2.2.2 Test RB = RB1#14



### 5.1.1.1.2.3 Test RB = RB8#4



### 5.1.1.1.2.2.4 Test RB = RB15#0





### 5.1.1.1.3.1.2 Test RB = RB1#24



### 5.1.1.1.3.1.3 Test RB = RB12#6



### 5.1.1.1.3.1.4 Test RB = RB25#0

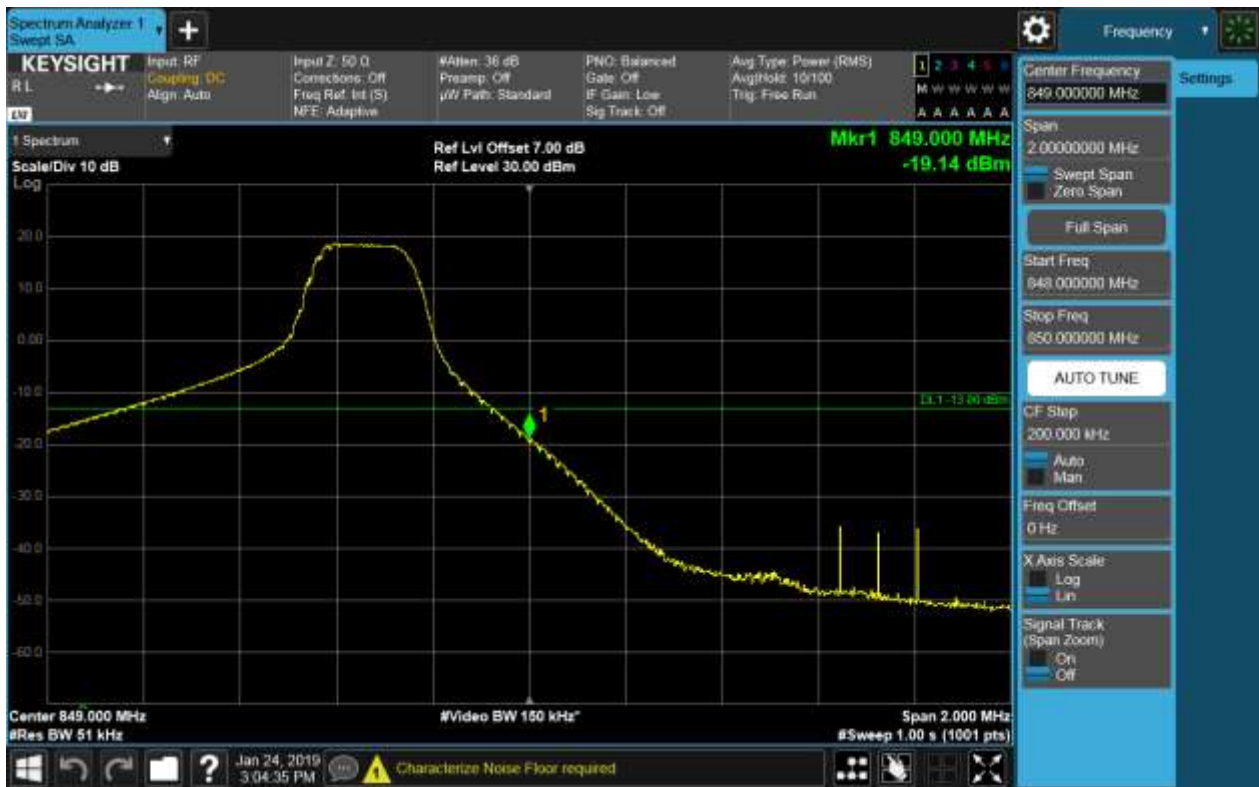


### 5.1.1.1.3.2 Test Channel = HCH

#### 5.1.1.1.3.2.1 Test RB = RB1#0



### 5.1.1.1.3.2.2 Test RB = RB1#24



### 5.1.1.1.3.2.3 Test RB = RB12#6



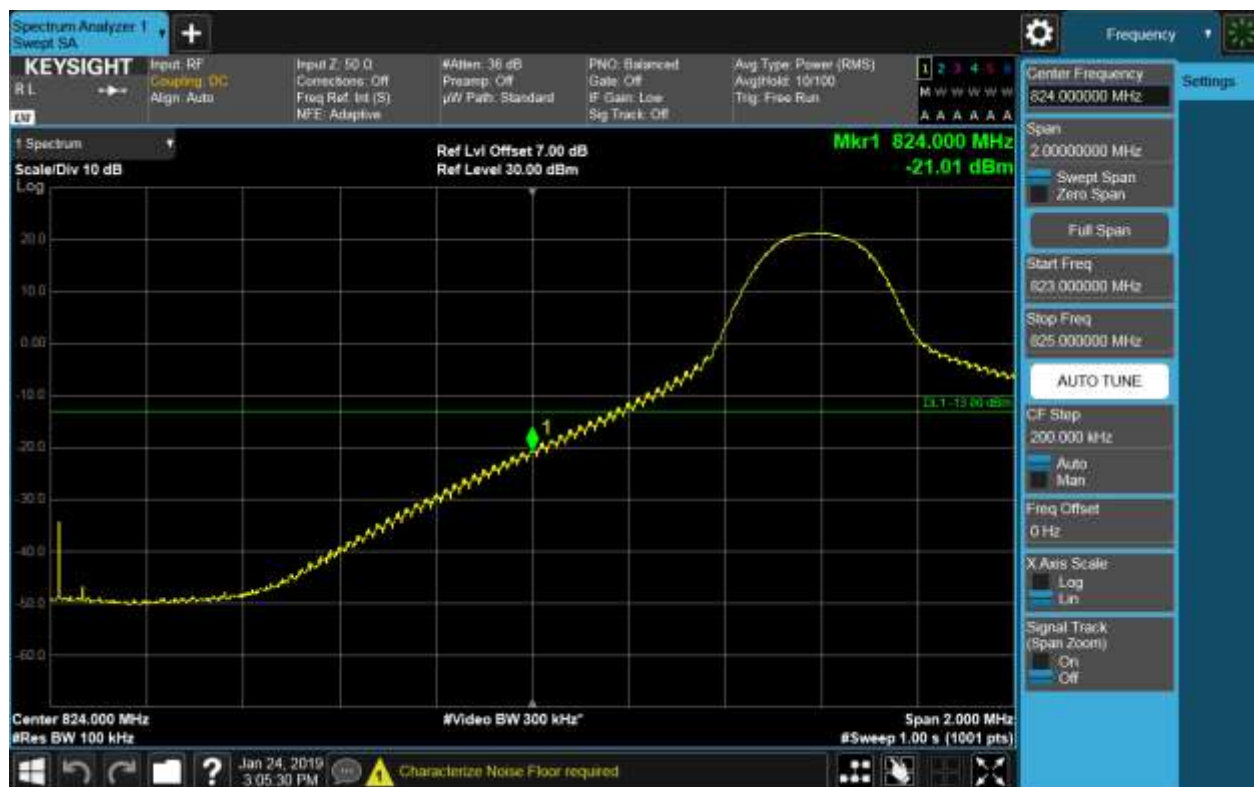
### 5.1.1.1.3.2.4 Test RB = RB25#0



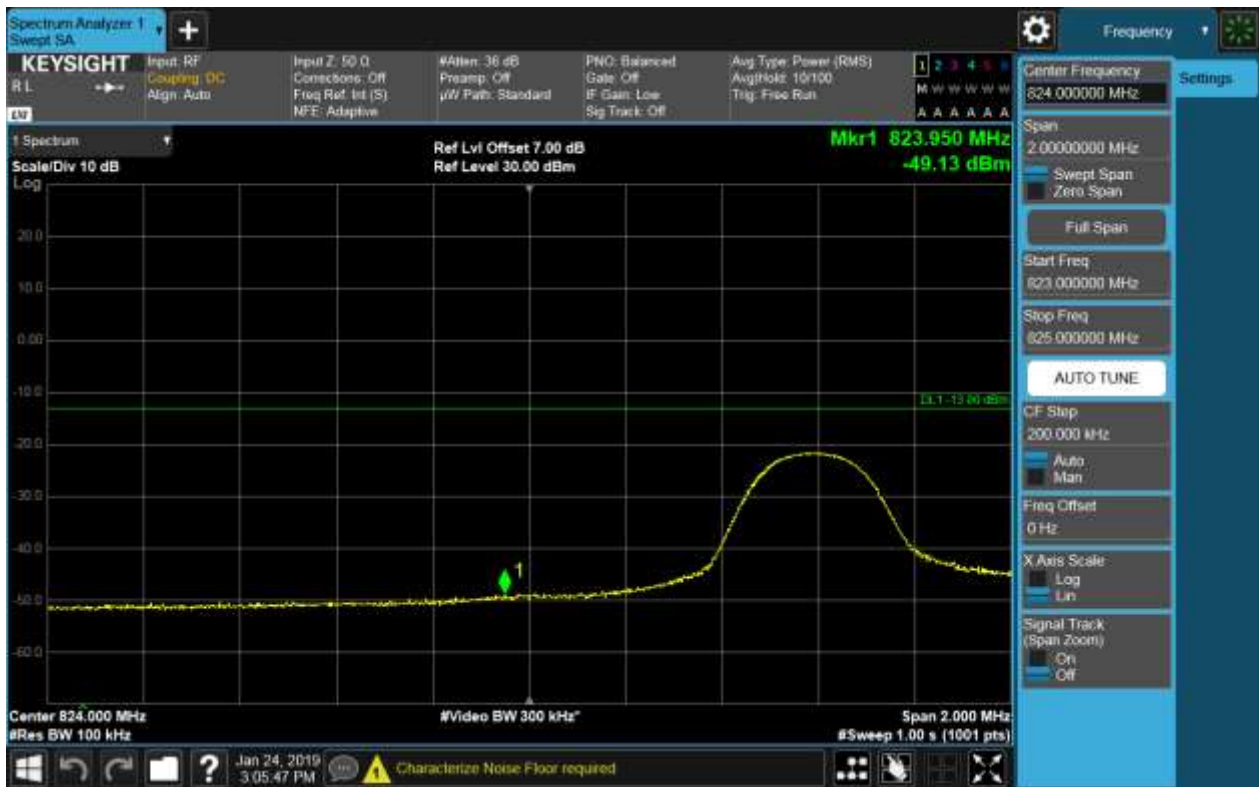
#### 5.1.1.1.4 Test Bandwidth = 10

##### 5.1.1.1.4.1 Test Channel = LCH

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



### 5.1.1.1.4.1.2 Test RB = RB1#49



### 5.1.1.1.4.1.3 Test RB = RB25#13

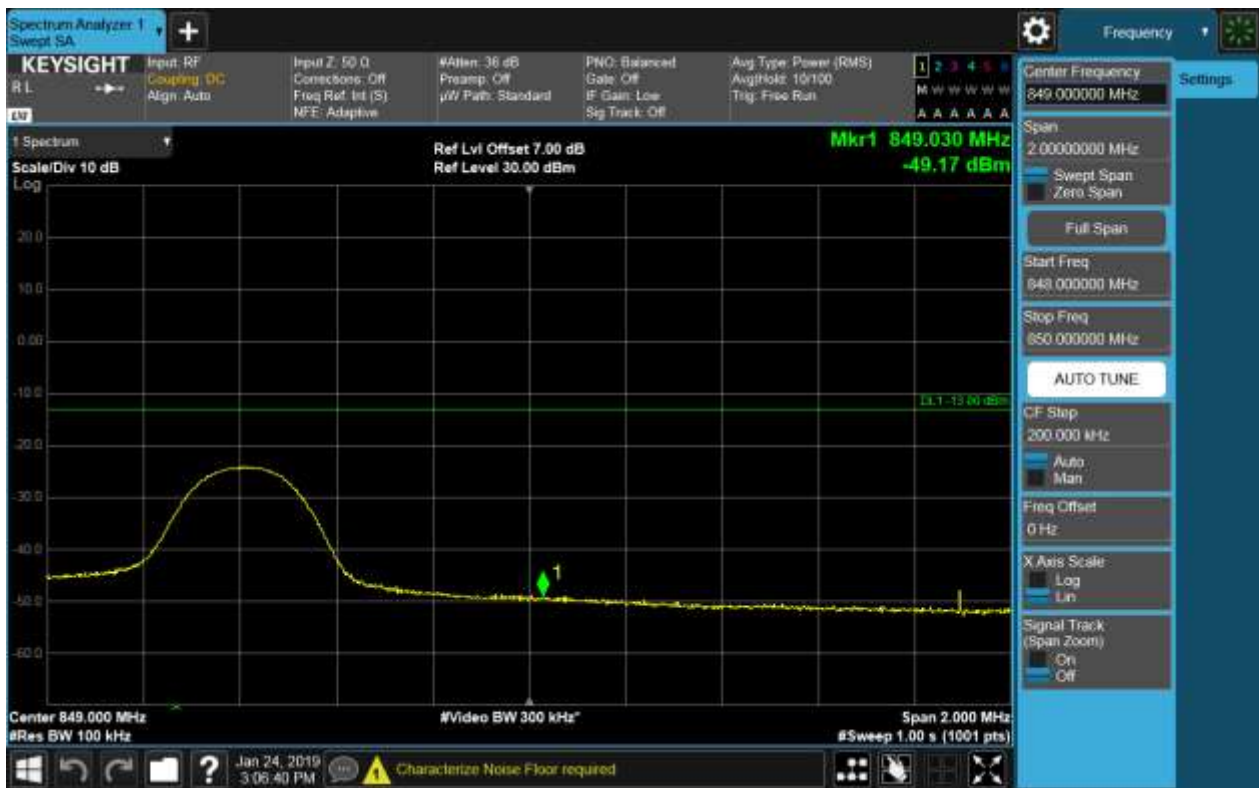


#### 5.1.1.1.4.1.4 Test RB = RB50#0



### 5.1.1.1.4.2 Test Channel = HCH

#### 5.1.1.1.4.2.1 Test RB = RB1#0



### 5.1.1.1.4.2.2 Test RB = RB1#49



### 5.1.1.1.4.2.3 Test RB = RB25#13



#### 5.1.1.1.4.2.4 Test RB = RB50#0

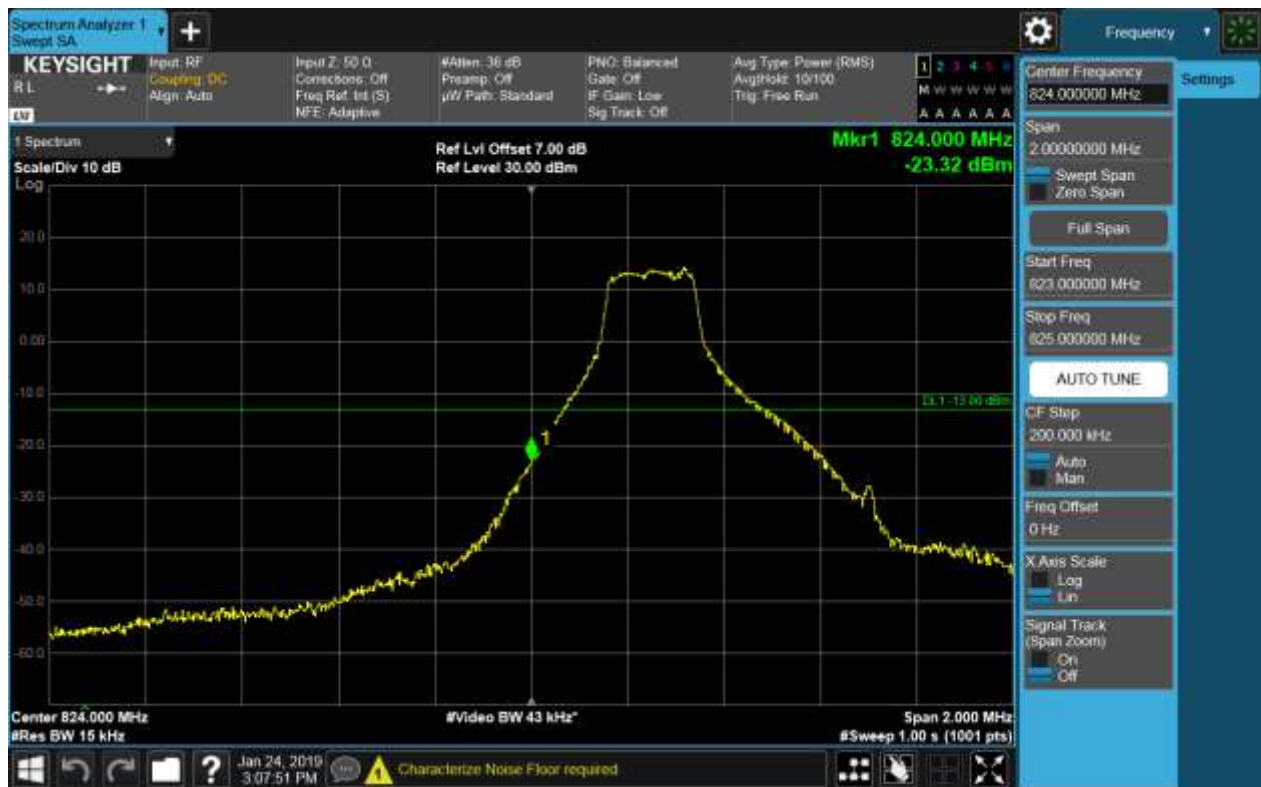


### 5.1.1.2 Test Mode = LTE/TM2

#### 5.1.1.2.1 Test Bandwidth = 1.4

##### 5.1.1.2.1.1 Test Channel = LCH

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



### 5.1.1.2.1.2 Test RB = RB1#5



### 5.1.1.2.1.3 Test RB = RB3#2



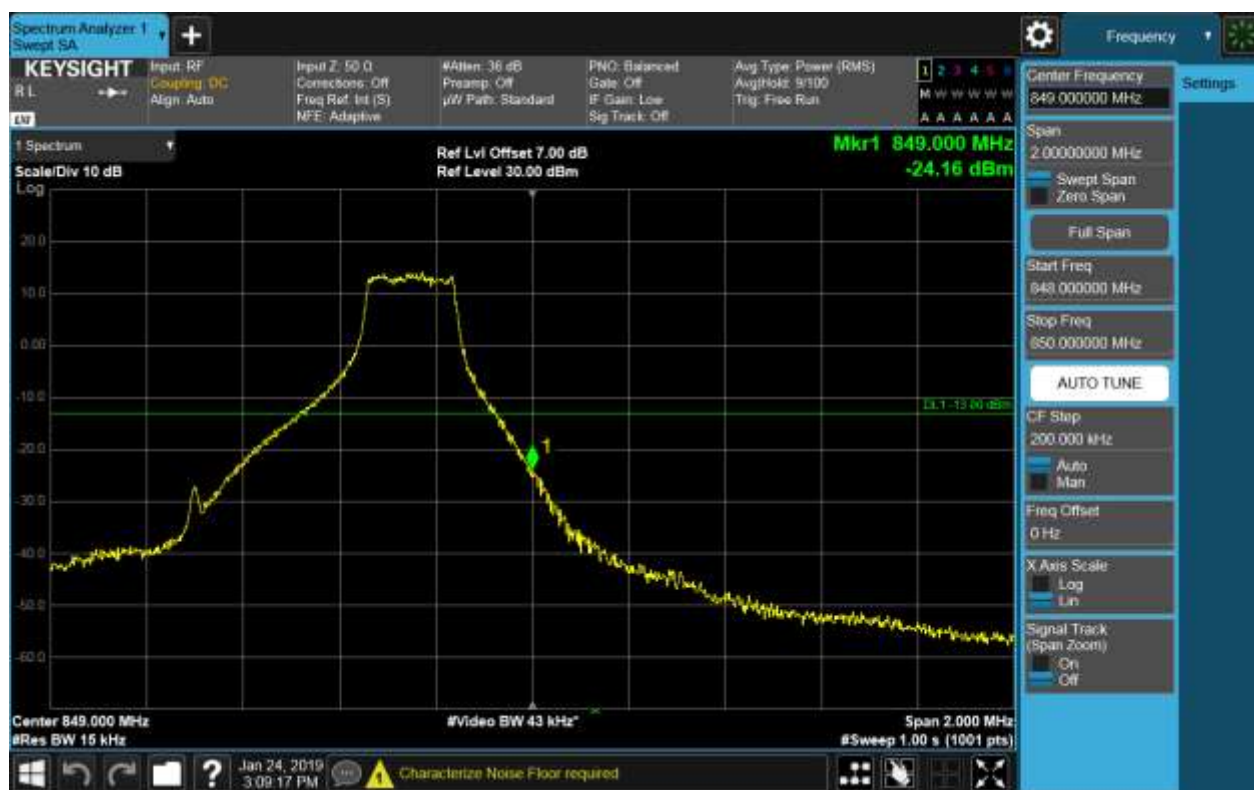
### 5.1.1.2.1.1.4 Test RB = RB6#0



### 5.1.1.2.1.2 Test Channel = HCH

#### 5.1.1.2.1.2.1 Test RB = RB1#0

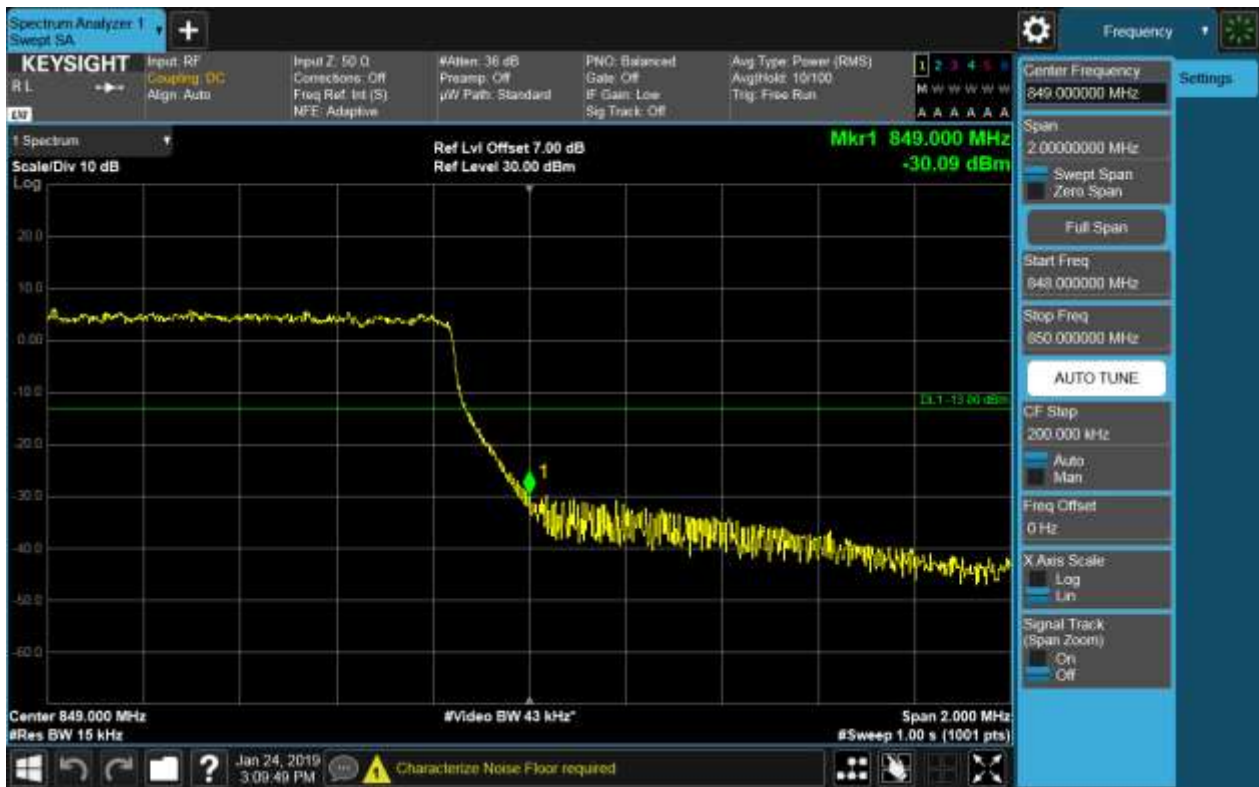




### 5.1.1.2.1.2.3 Test RB = RB3#2



### 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





**Keysight Spectrum Analyzer 1**  
Sweep SA

**KEYSIGHT**  
R.L. →

Input: RF  
Coupling: DC  
Align: Auto

Input Z: 50 Ω  
Corrections: Off  
Freq Ref: Int (S)  
NFE: Adaptive

#Att: -36 dB  
Preamp: Off  
μW Path: Standard

PNO: Balanced  
Gate: Off  
IF Gain: Low  
Sig Track: Off

Aug Type: Power (RMS)  
Avg/Hold: 10/100  
Trig: Free Run

1 2 3 4 5 6 7 8 9 10  
M W W W W W W W W W  
A A A A A A A A A A

Center Frequency  
824.000000 MHz

Span  
2.00000000 MHz  
Sweep Span  
Zero Span  
Full Span

Start Freq  
823.000000 MHz

Stop Freq  
825.000000 MHz

AUTO TUNE

CF Stop  
200.000 MHz  
Auto  
Man

Freq Offset  
0 Hz

X Axis Scale  
Log  
Lin

Signal Track  
(Span Zoom)  
On  
Off

1 Spectrum  
Scale/Div 10 dB  
Log

Ref Lvl Offset 7.00 dB  
Ref Level 30.00 dBm

Mkr1 824.000 MHz  
-49.32 dBm

20.0  
10.0  
0.00  
-10.0  
-20.0  
-30.0  
-40.0  
-50.0  
-60.0

Center 824.000 MHz  
#Res BW 30 kHz  
#Video BW 91 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Jan 24, 2019  
3:10:29 PM

Characterize Noise Floor required

### 5.1.1.2.2.1.3 Test RB = RB8#4



### 5.1.1.2.2.1.4 Test RB = RB15#0

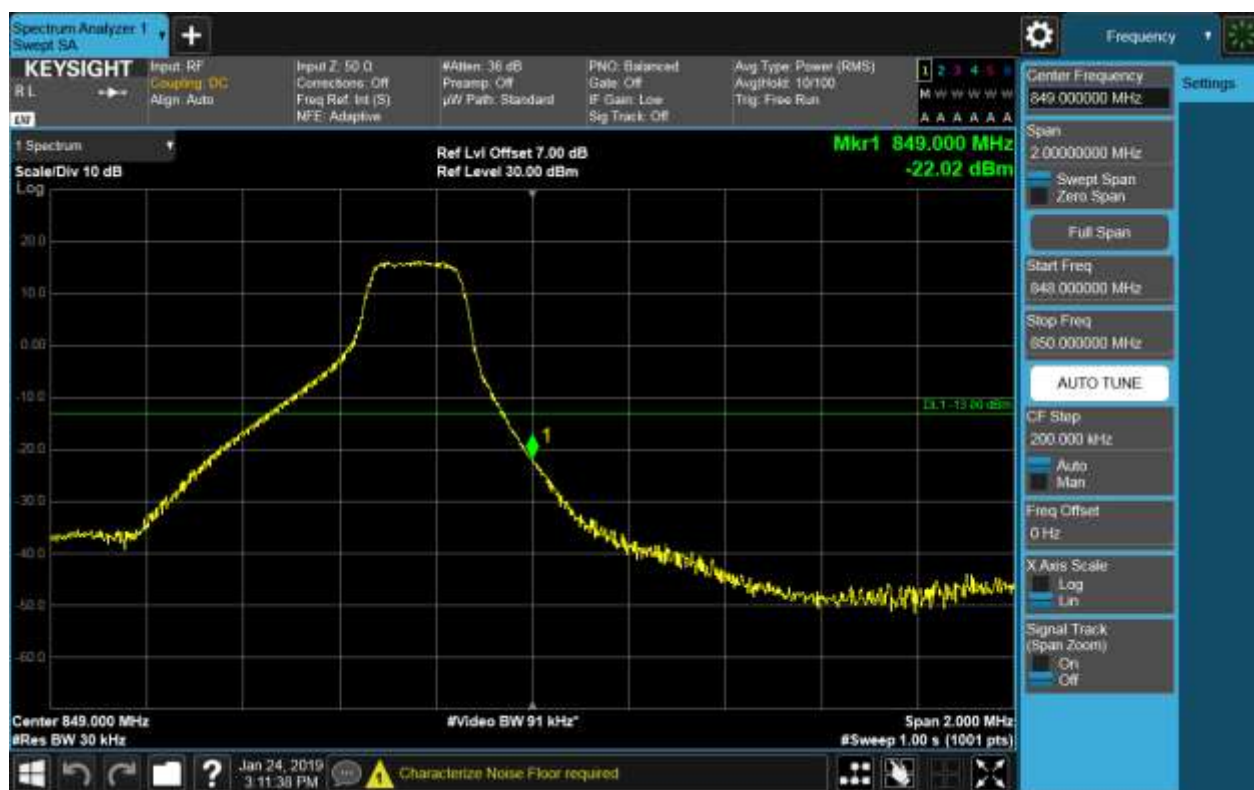


### 5.1.1.2.2.2 Test Channel = HCH

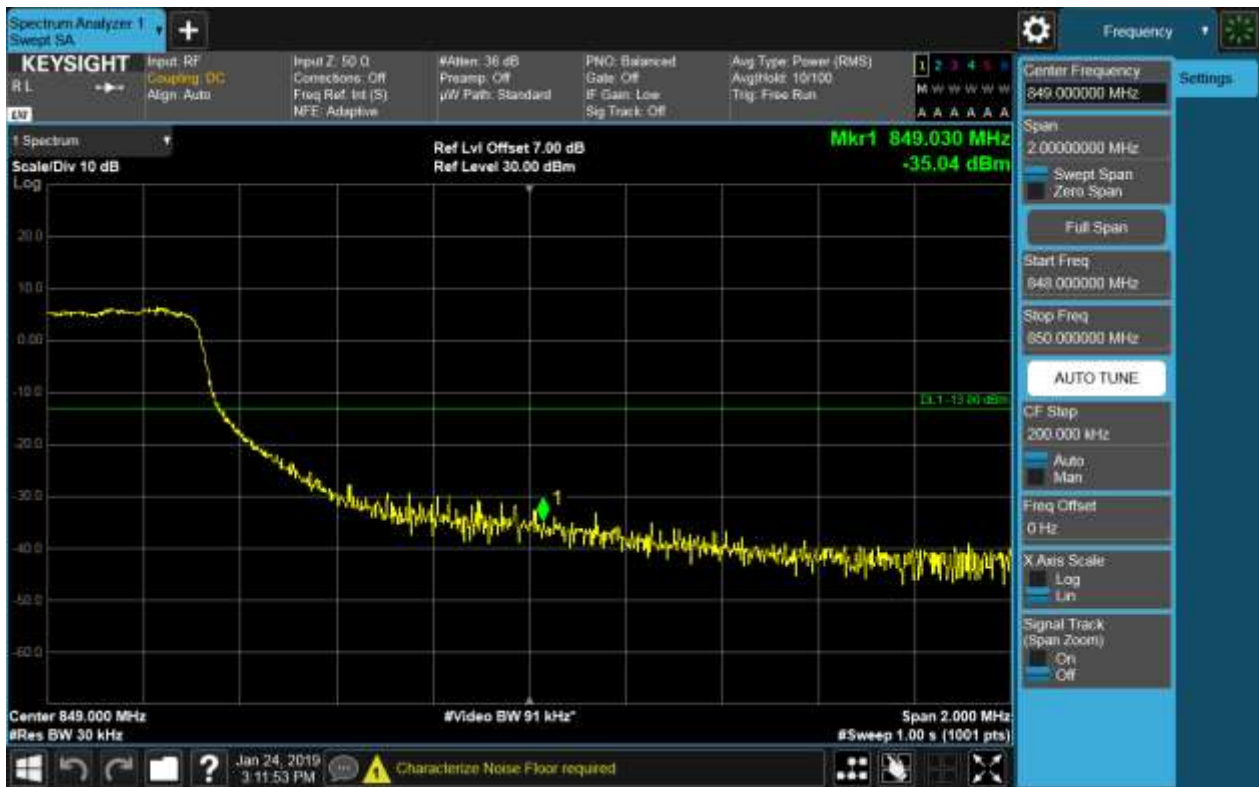
#### 5.1.1.2.2.2.1 Test RB = RB1#0



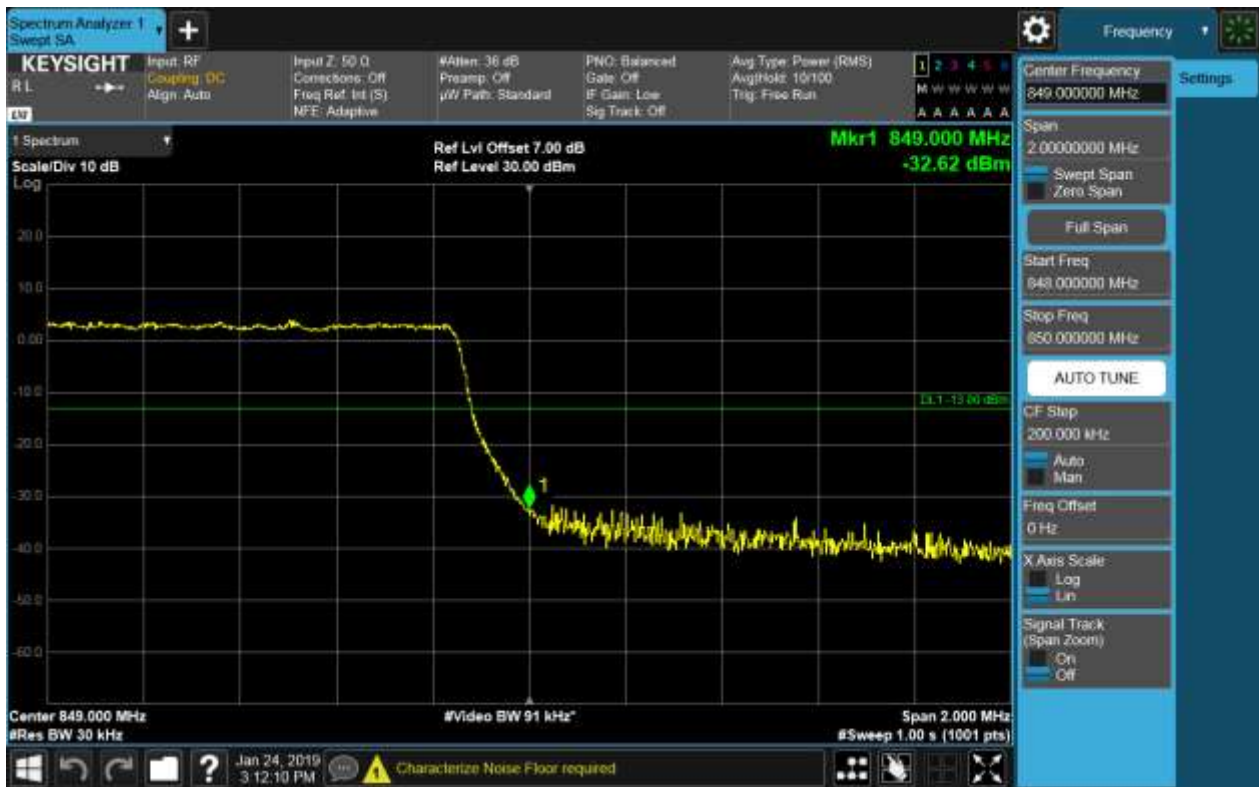
#### 5.1.1.2.2.2.2 Test RB = RB1#14



### 5.1.1.2.2.3 Test RB = RB8#4



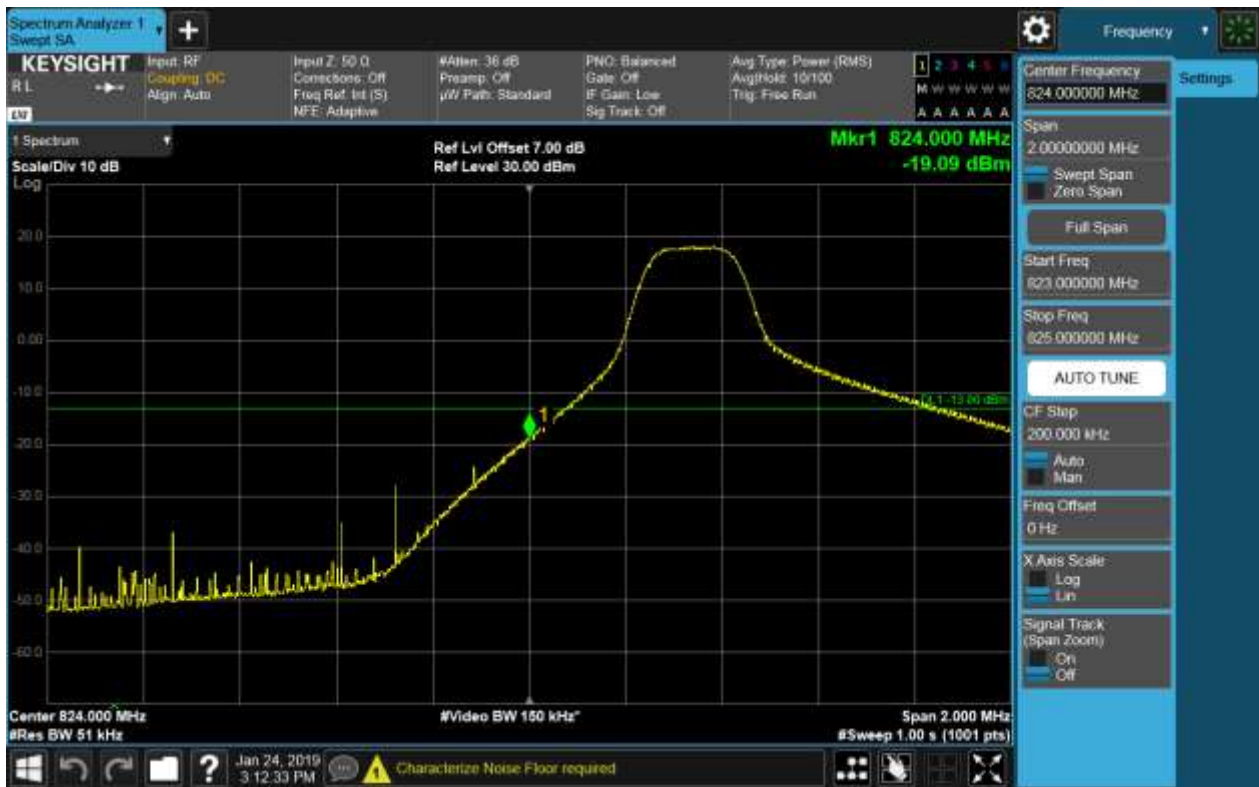
### 5.1.1.2.2.4 Test RB = RB15#0



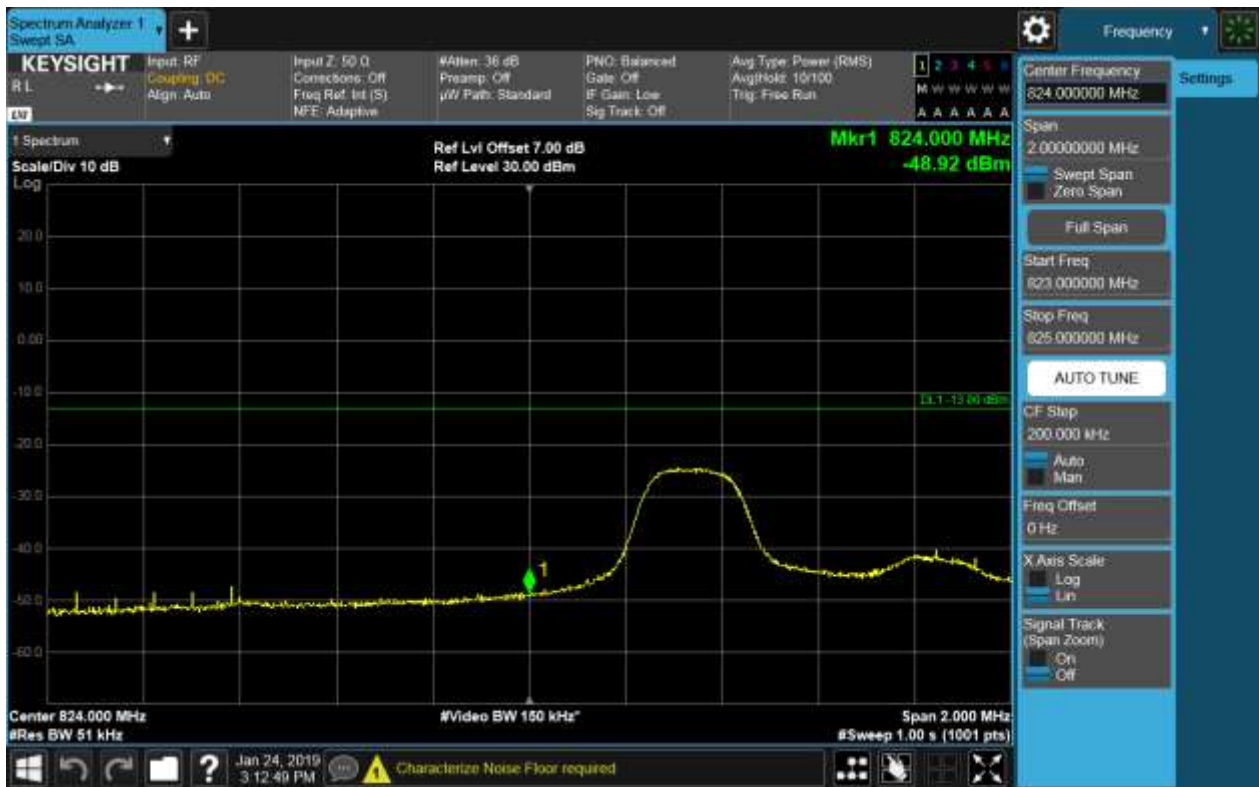
### 5.1.1.2.3 Test Bandwidth = 5

#### 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

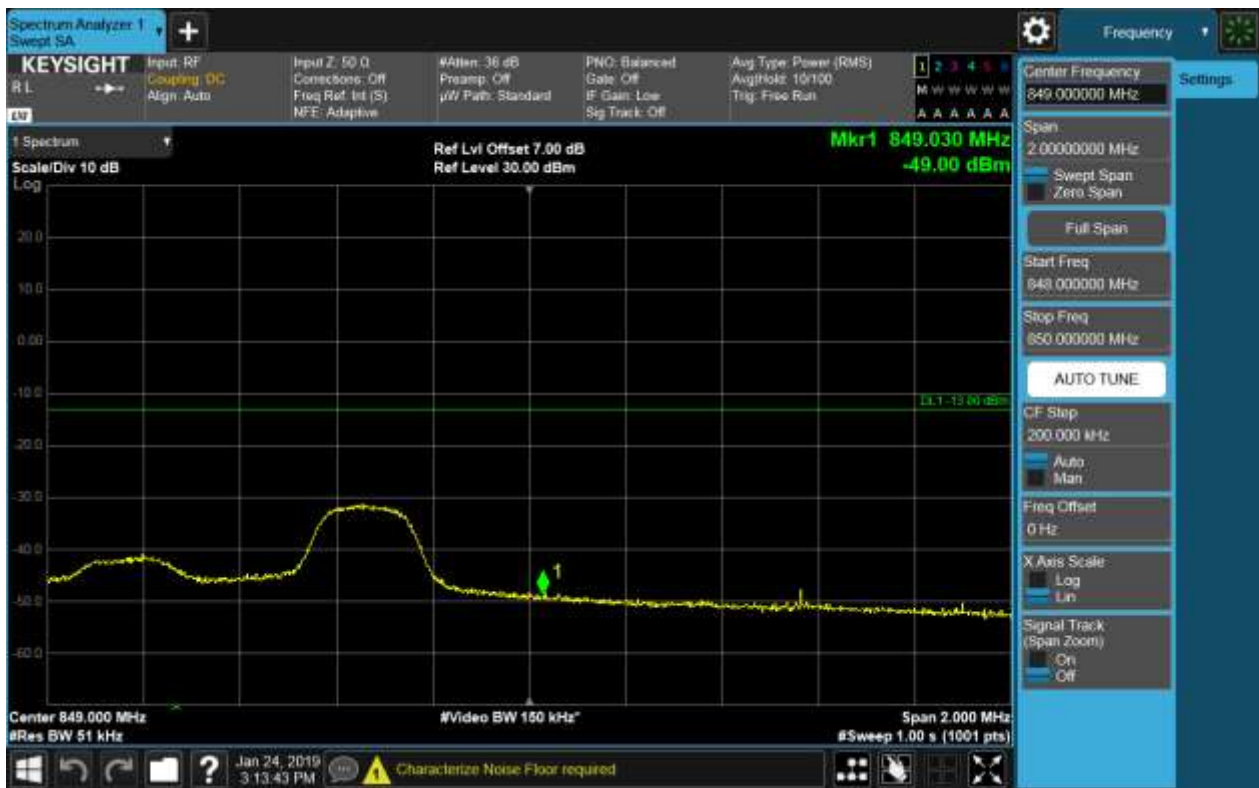


### 5.1.1.2.3.1.4 Test RB = RB25#0

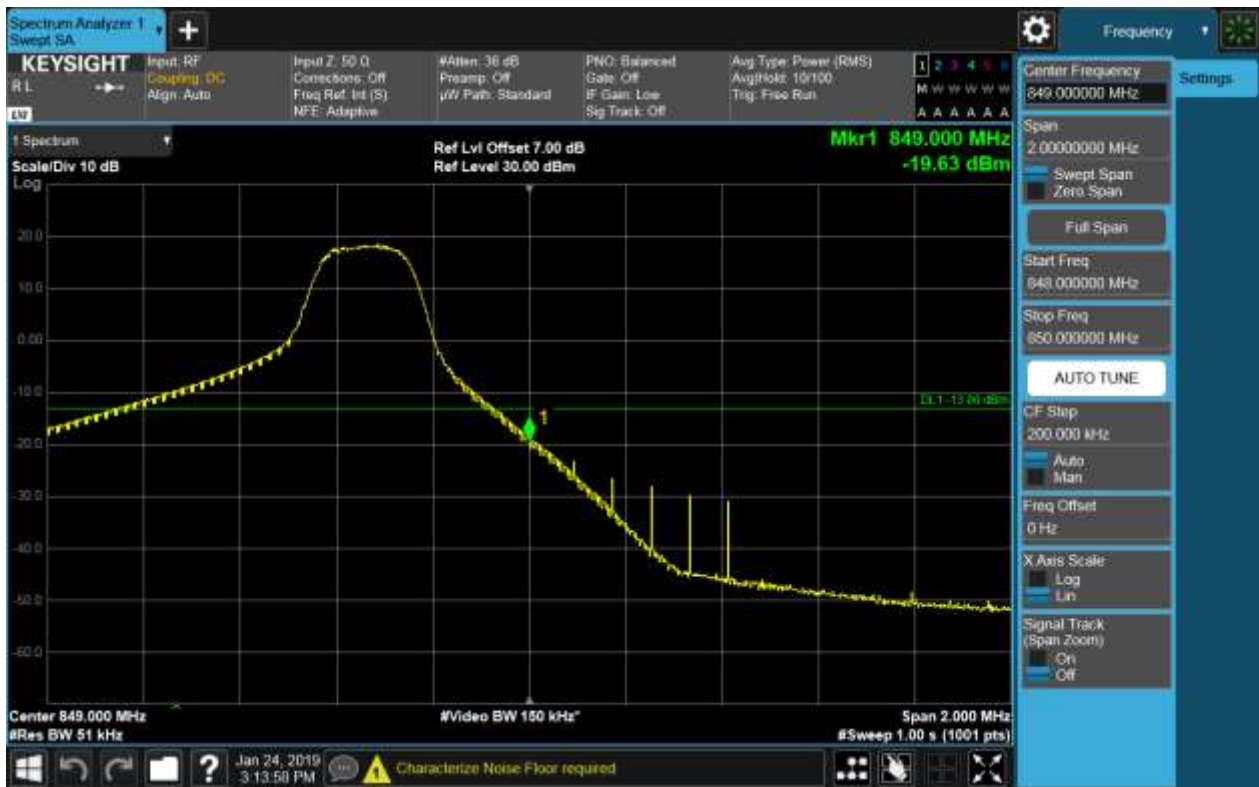


### 5.1.1.2.3.2 Test Channel = HCH

#### 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



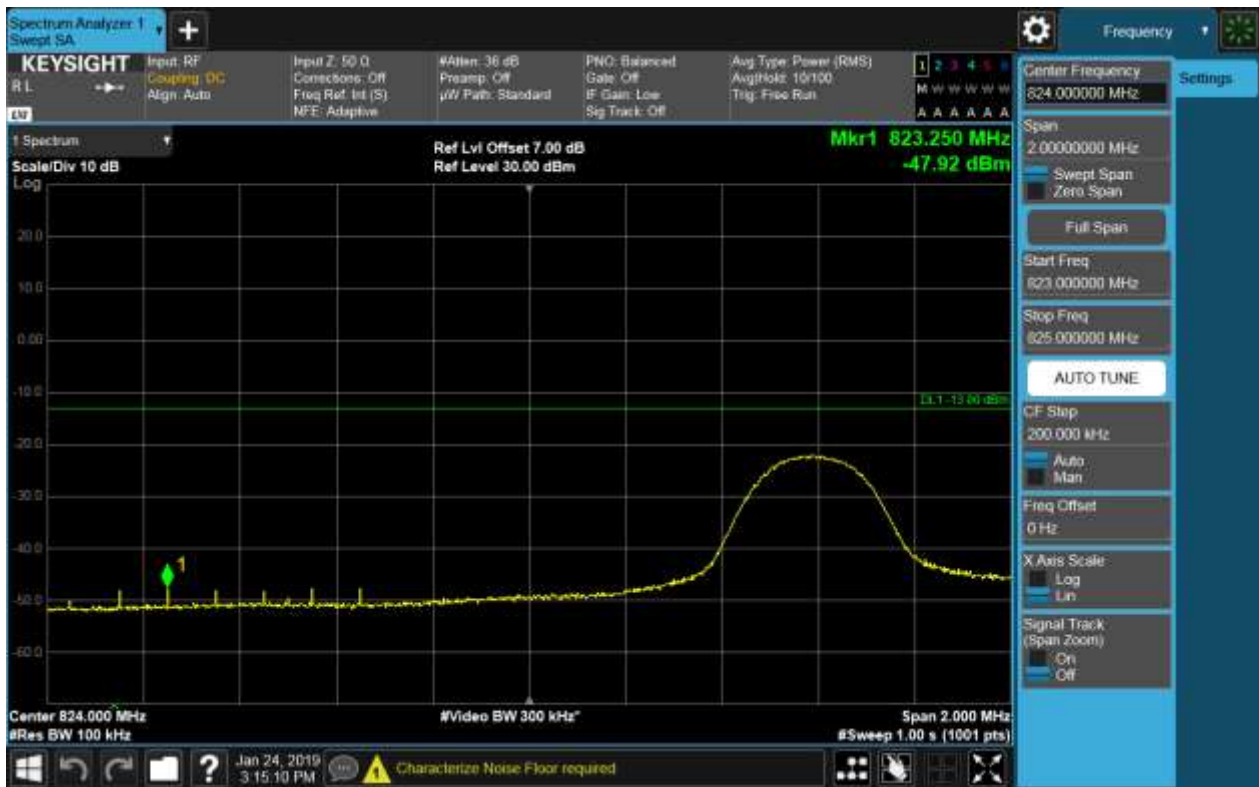
#### 5.1.1.2.4 Test Bandwidth = 10

##### 5.1.1.2.4.1 Test Channel = LCH

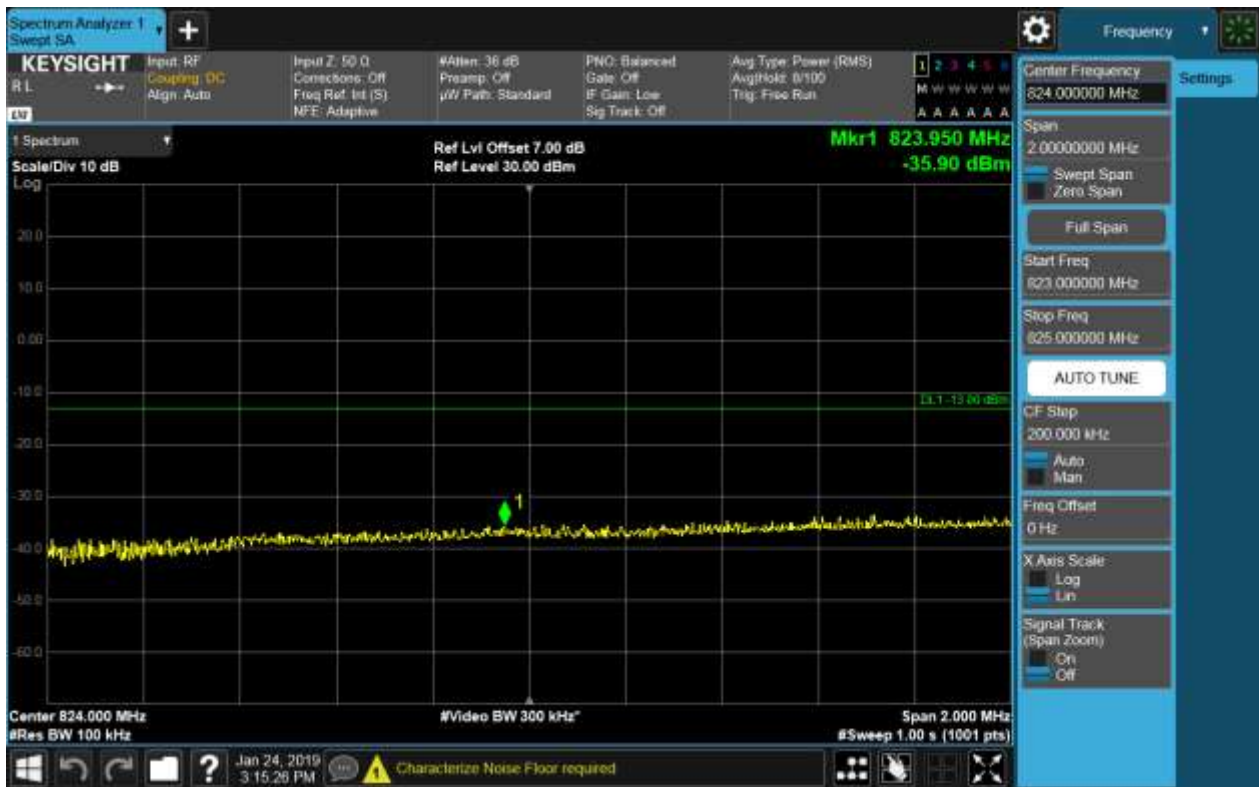
##### 5.1.1.2.4.1.1 Test RB = RB1#0



### 5.1.1.2.4.1.2 Test RB = RB1#49



### 5.1.1.2.4.1.3 Test RB = RB25#13

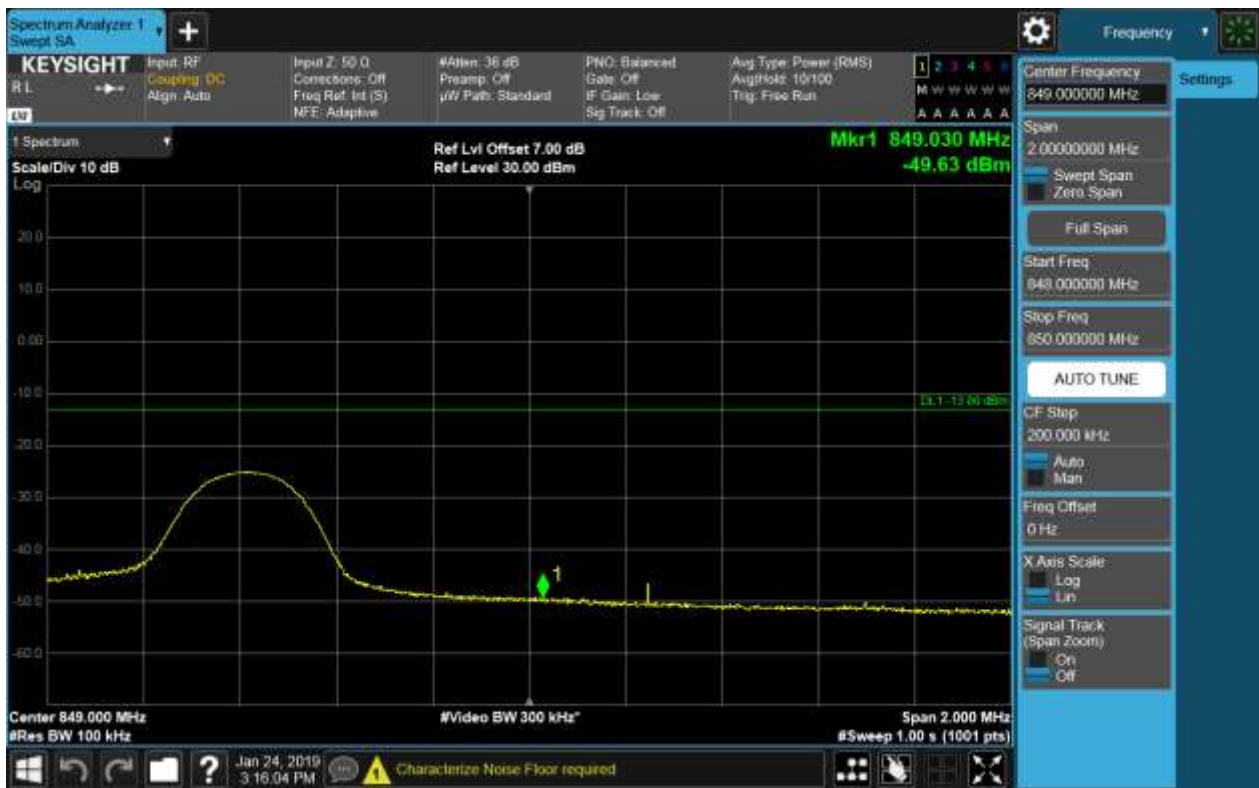


#### 5.1.1.2.4.1.4 Test RB = RB50#0



### 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

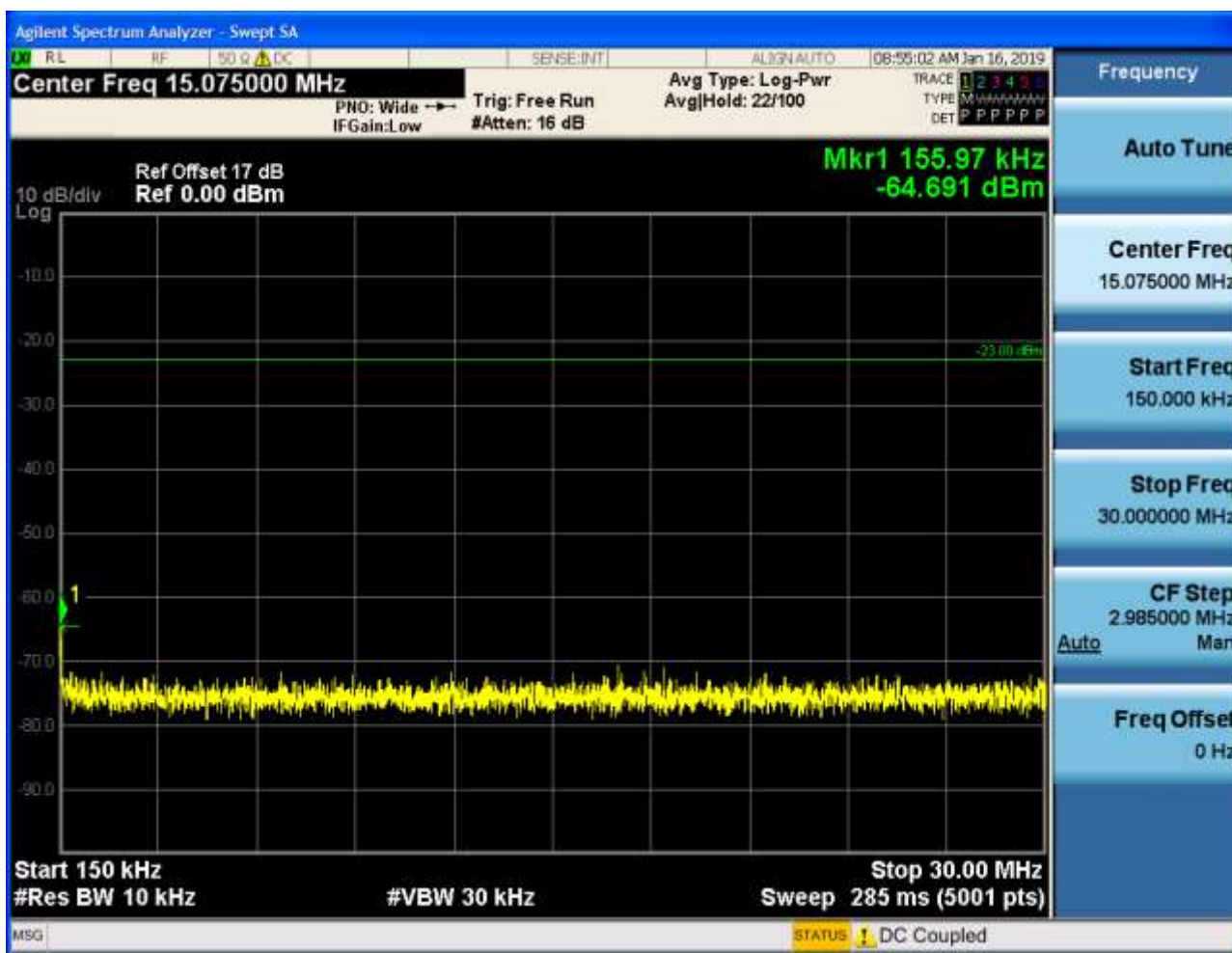
##### 6.1.1.1 Test Mode = LTE/TM1

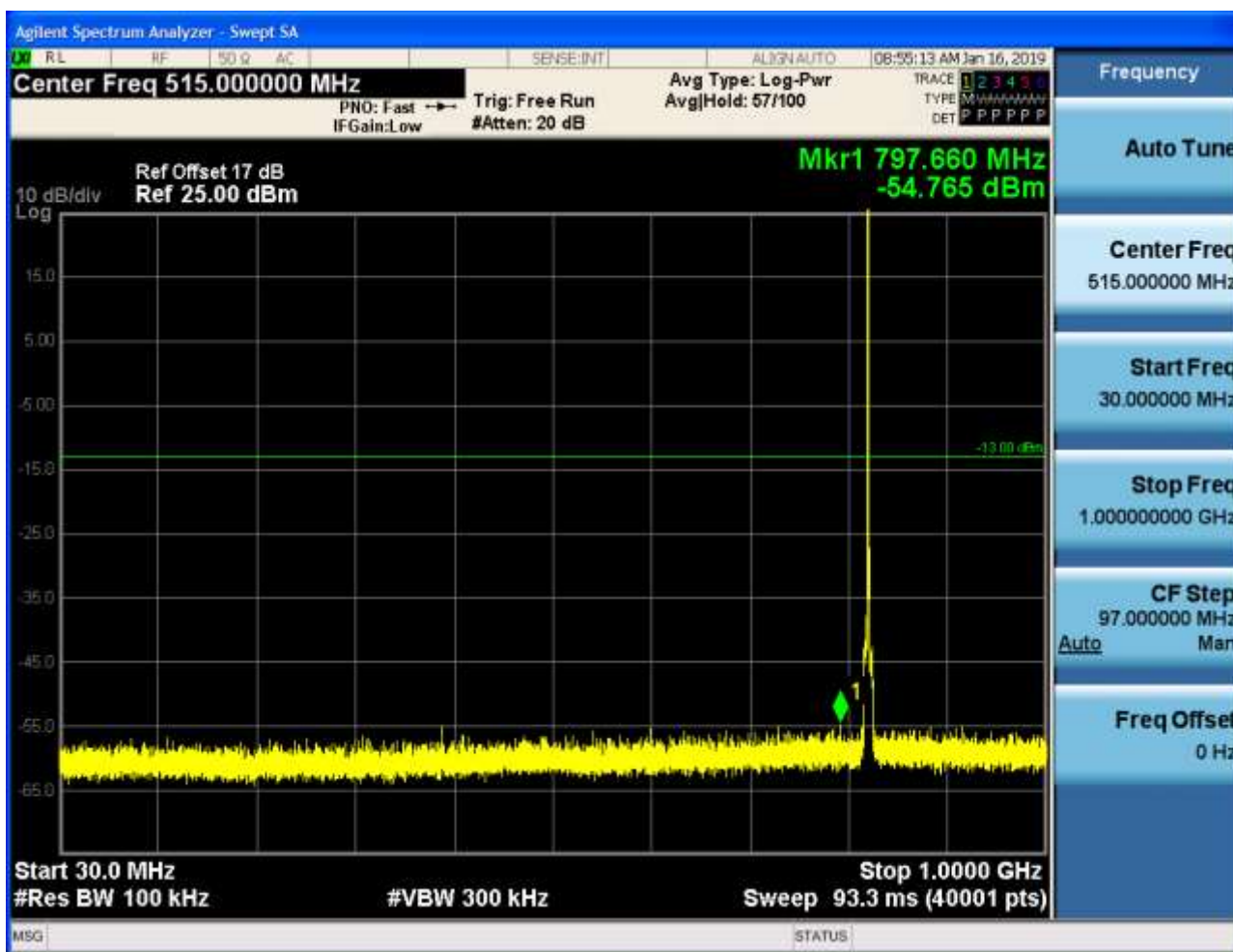
##### 6.1.1.1.1 Test Bandwidth = 1.4

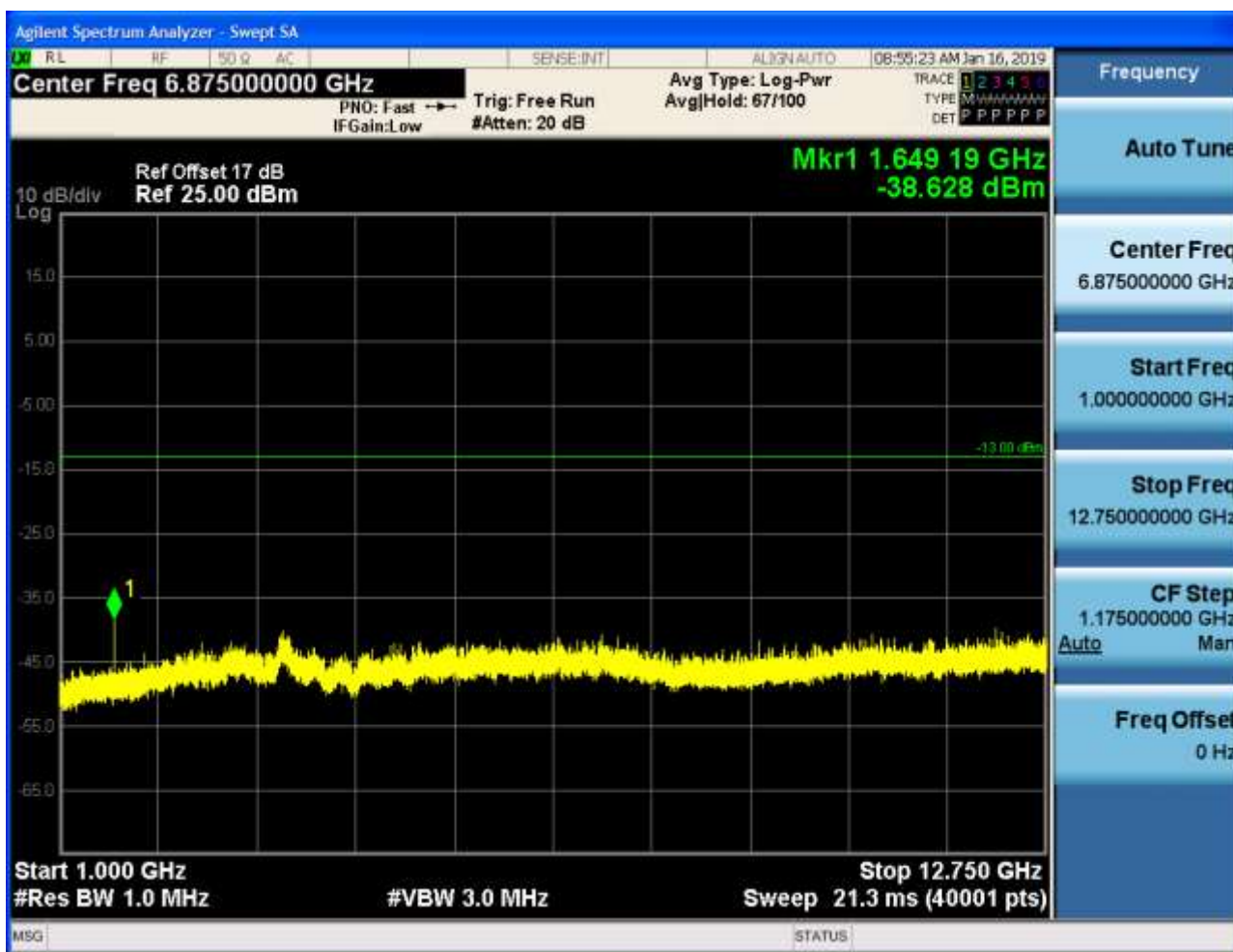
##### 6.1.1.1.1.1 Test Channel = LCH

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



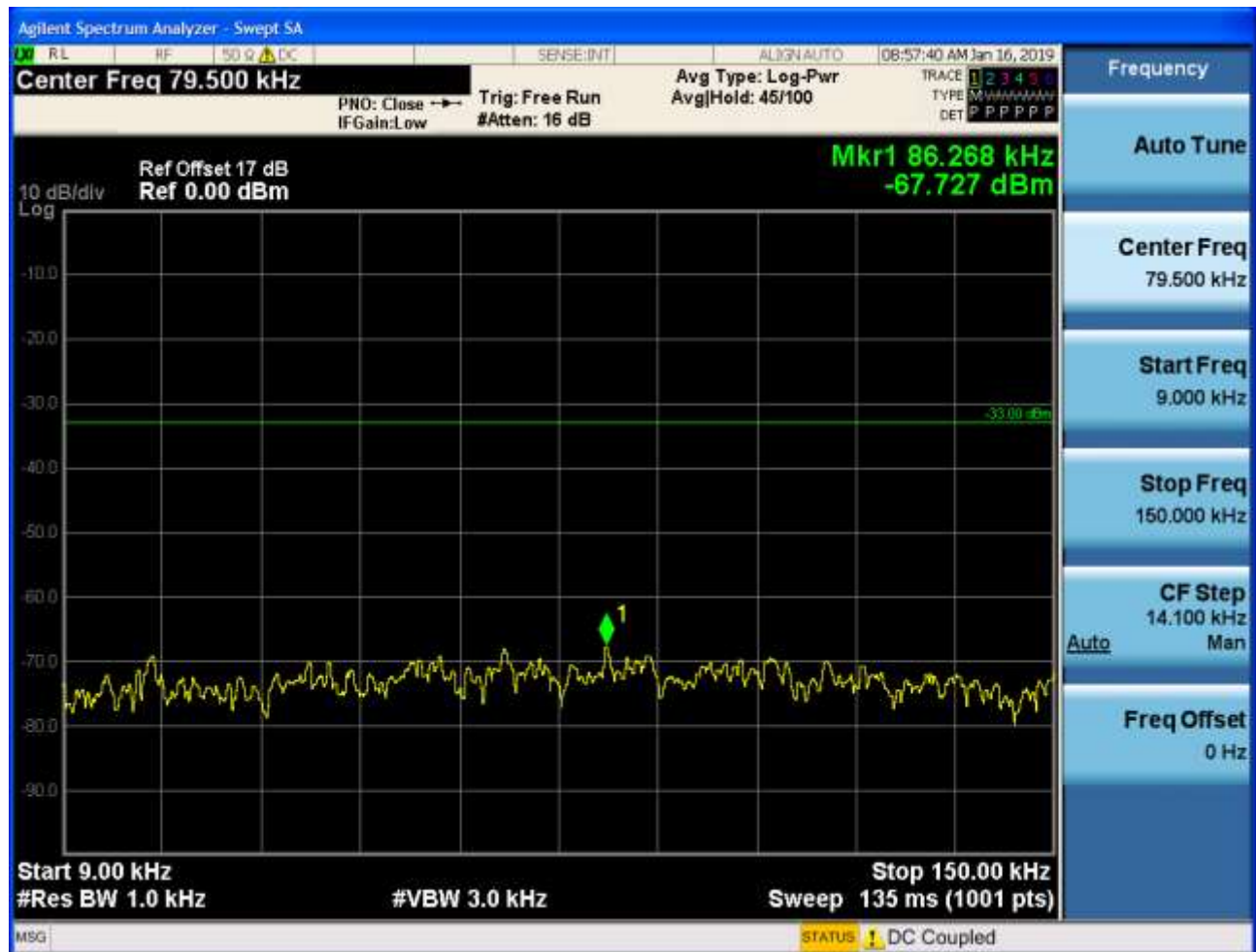




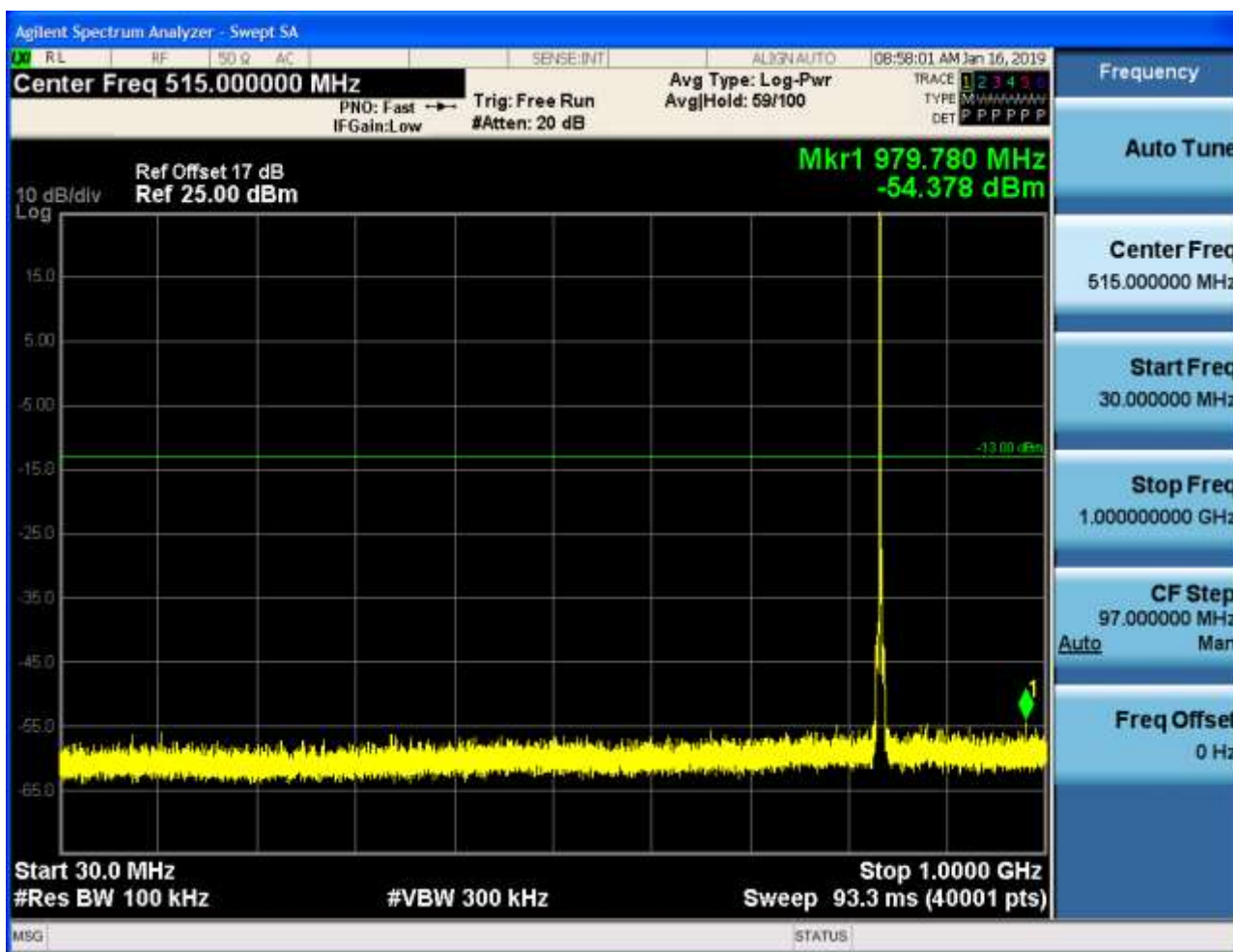


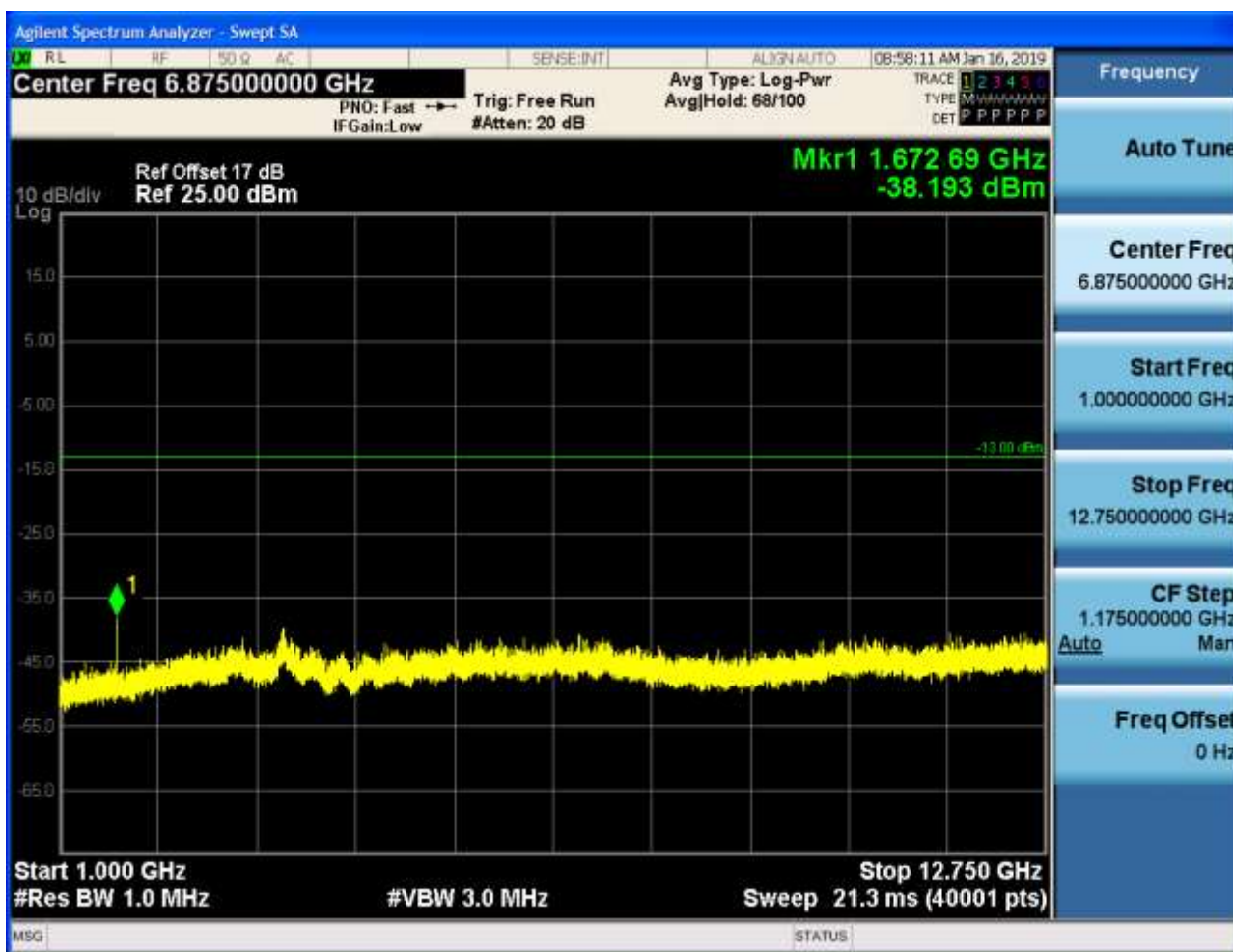
### 6.1.1.1.1.2 Test Channel = MCH

#### 6.1.1.1.1.2.1 Test RB = RB1#0



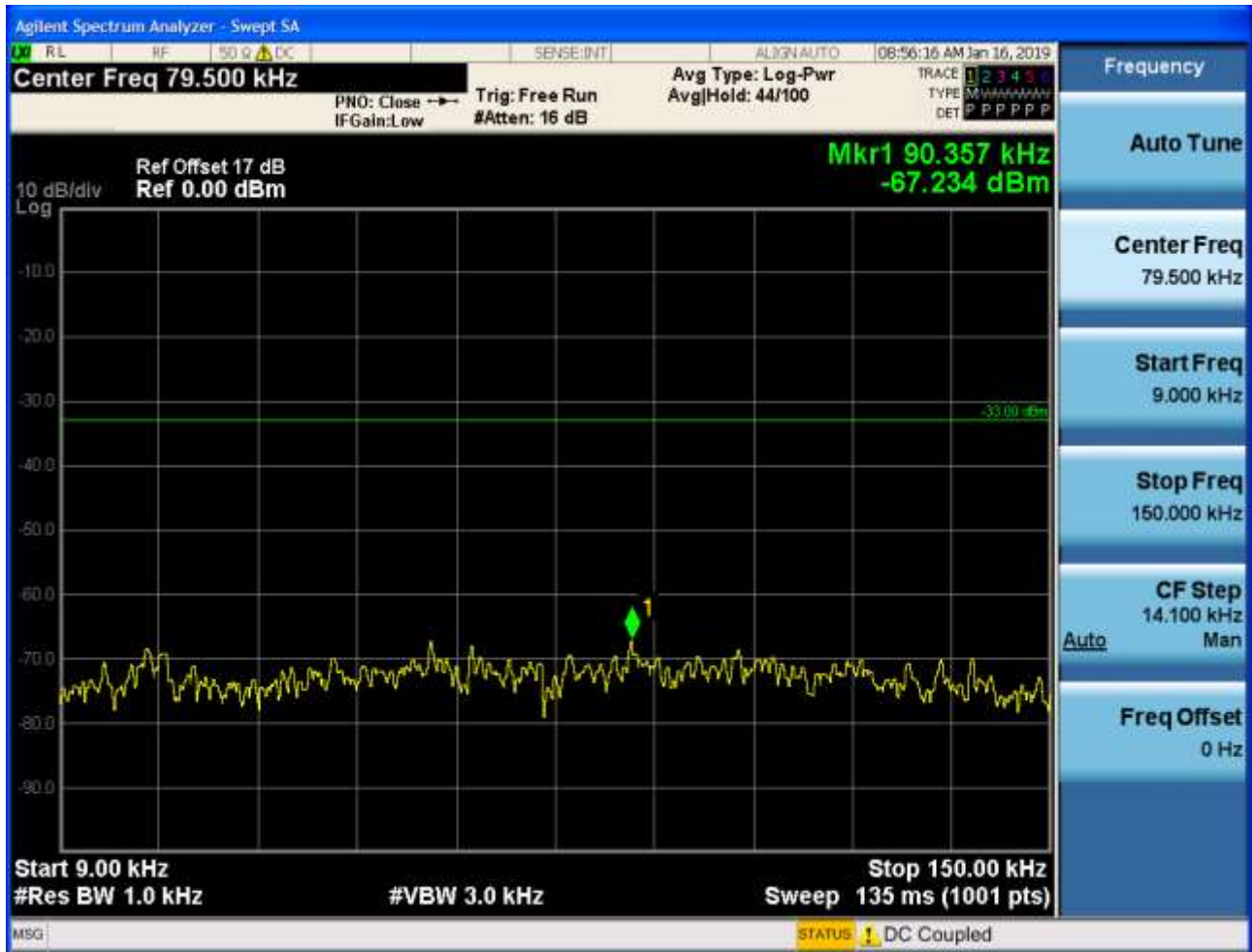


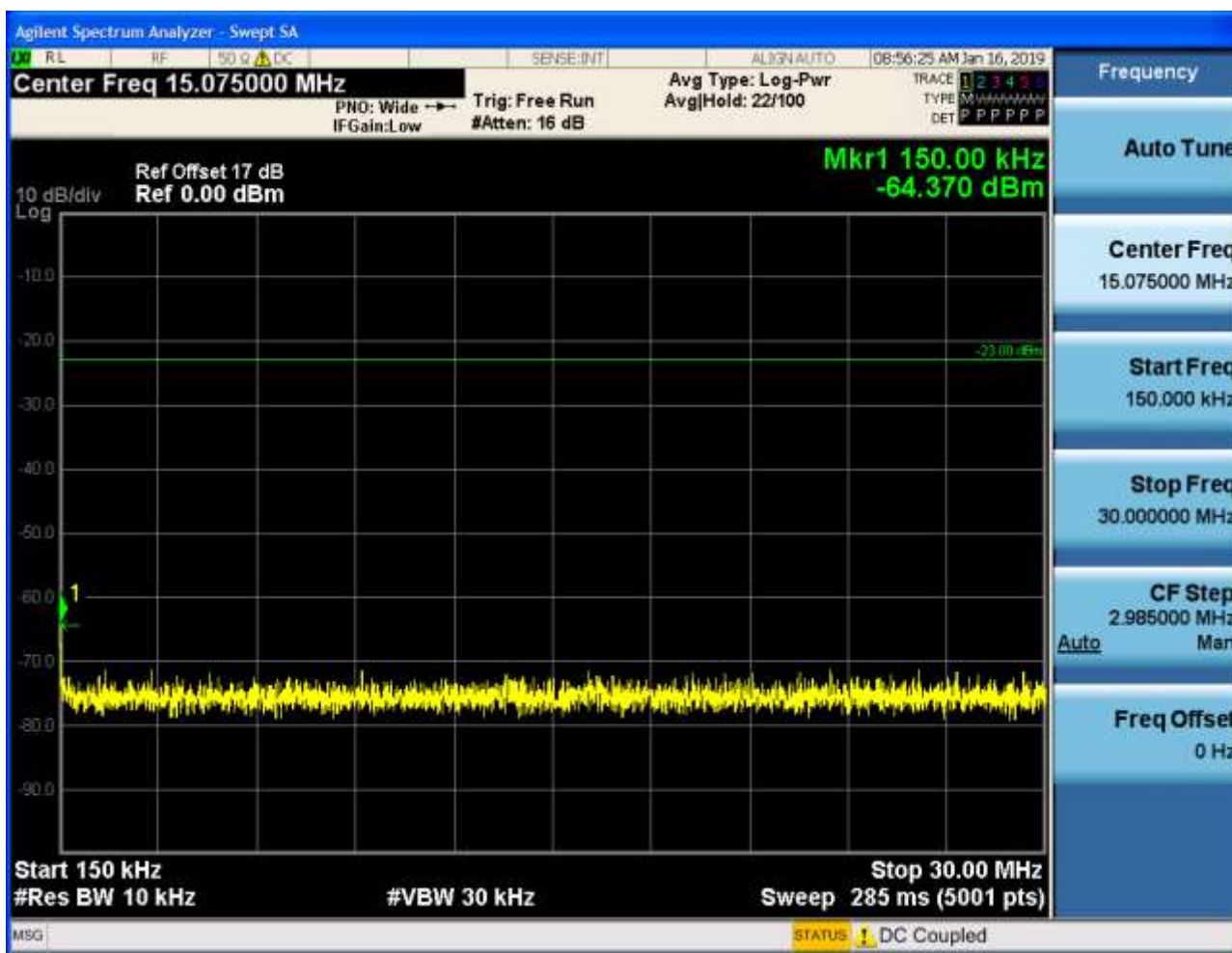


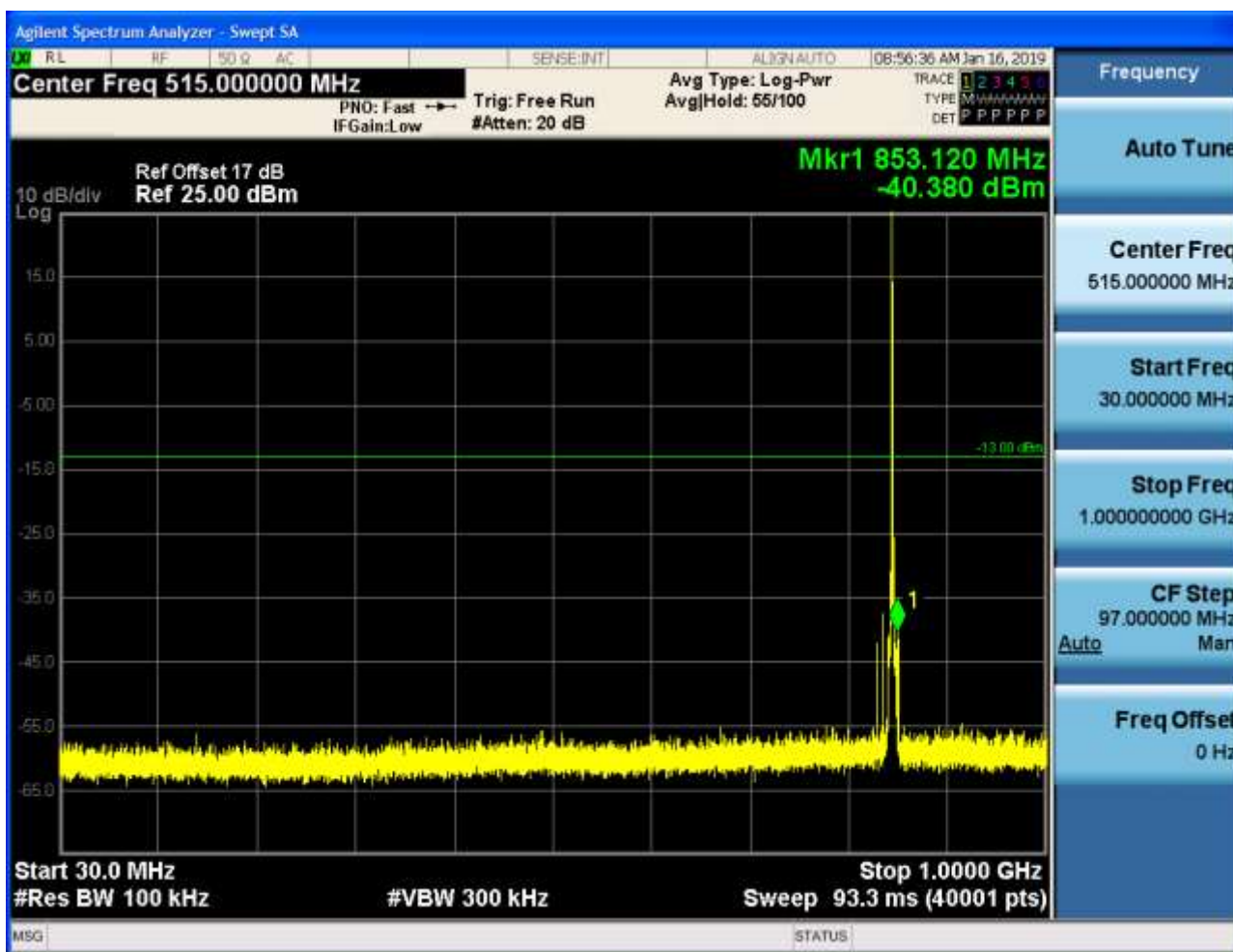


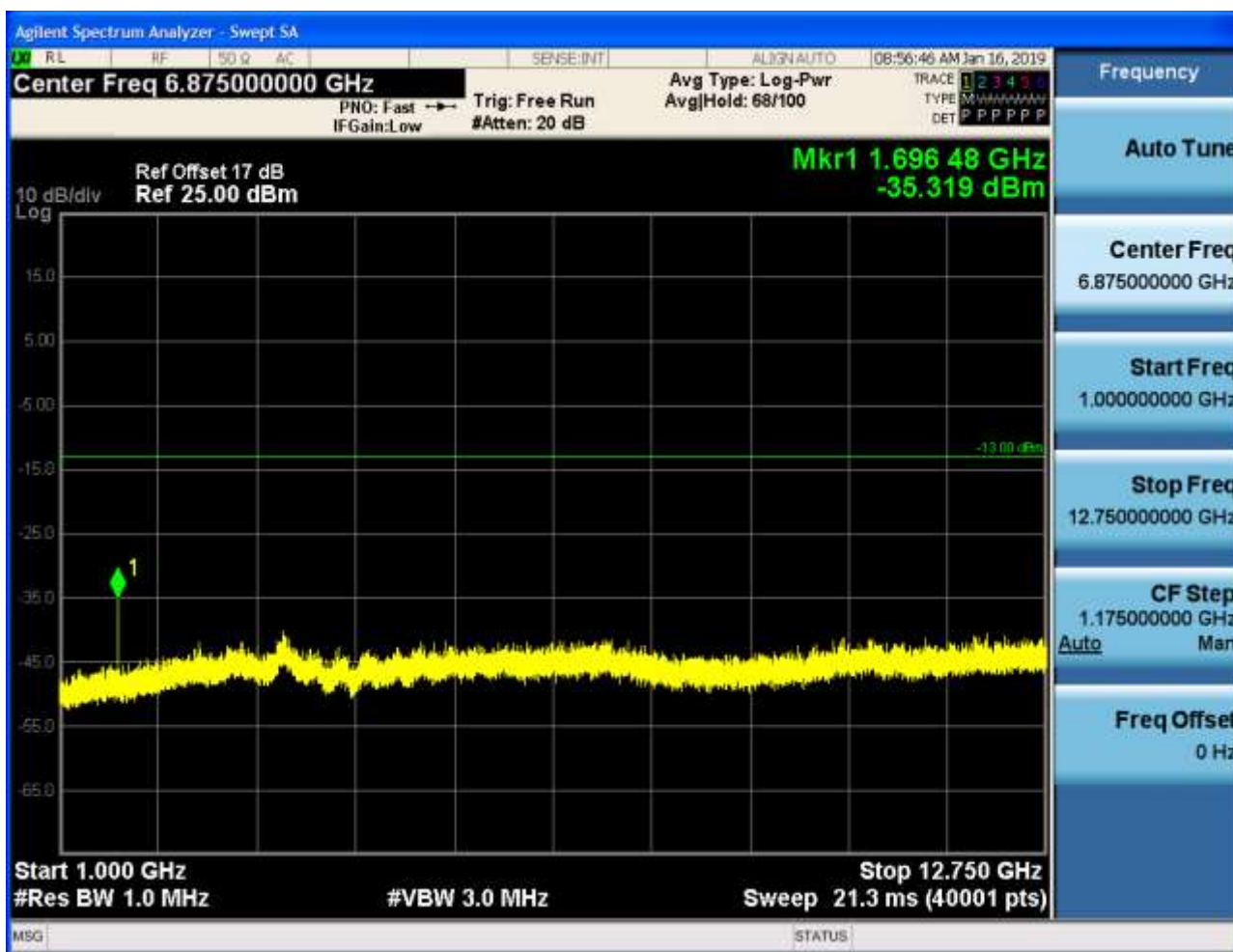
### 6.1.1.1.1.3 Test Channel = HCH

#### 6.1.1.1.1.3.1 Test RB = RB1#0







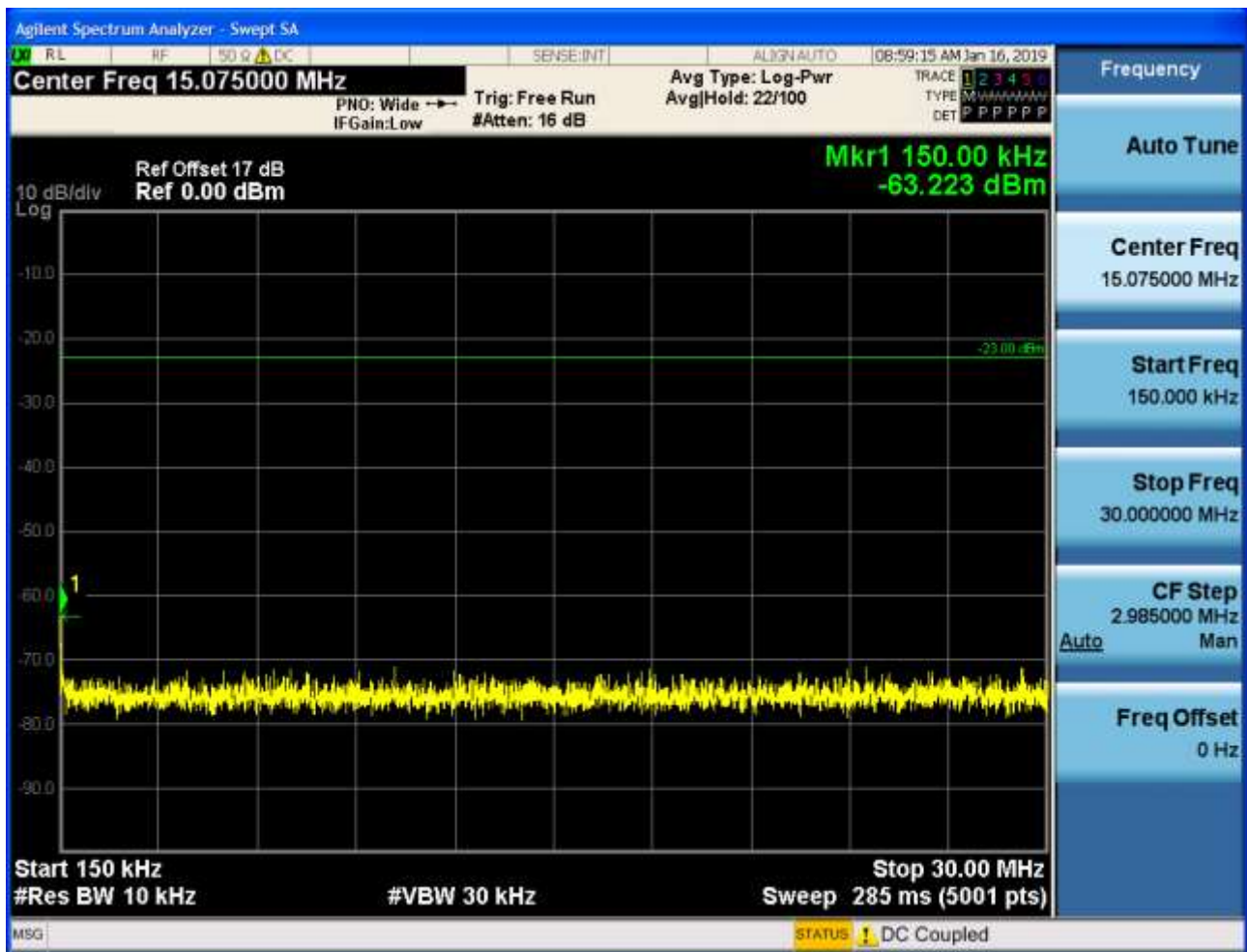


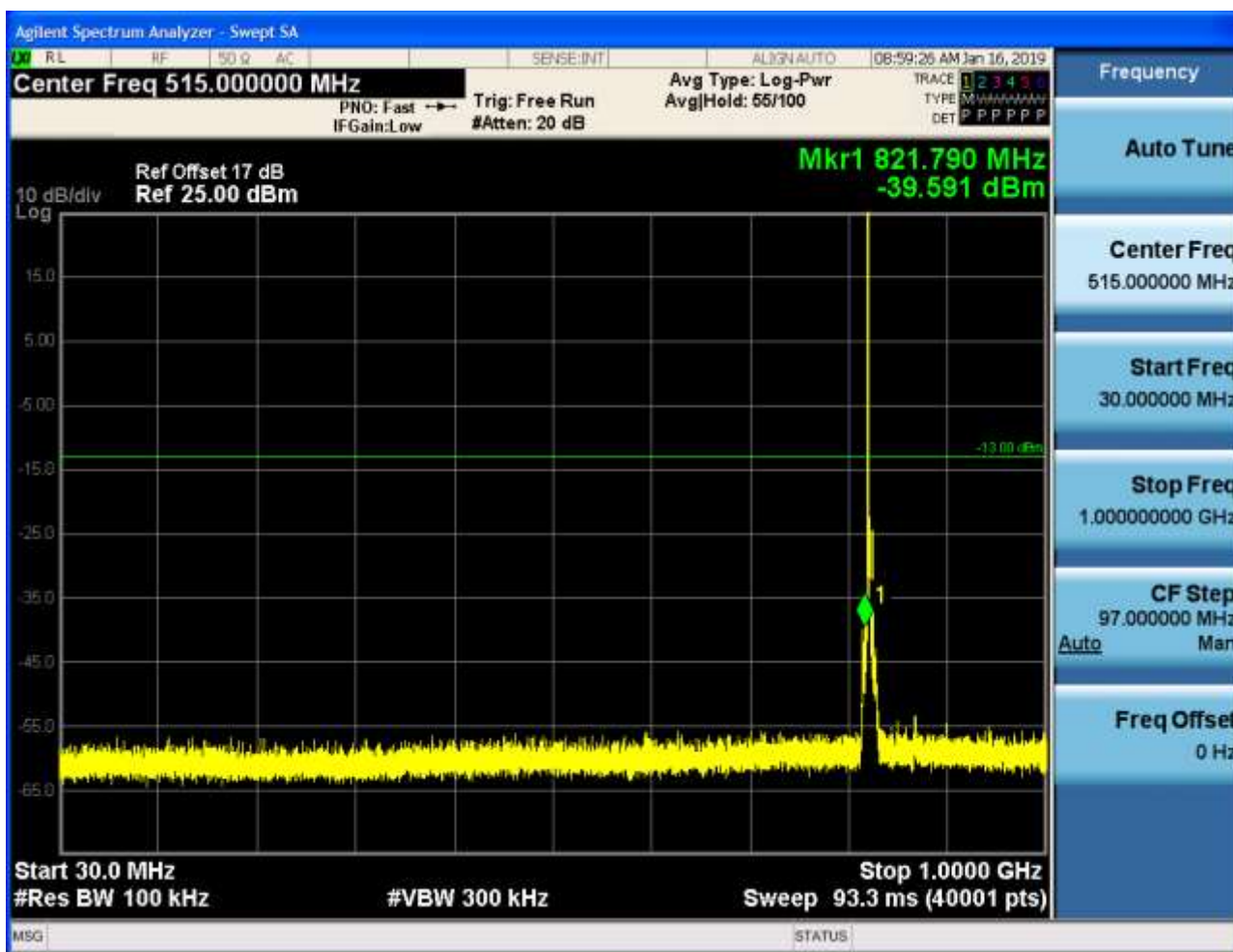
### 6.2.1.1.2 Test Bandwidth = 3

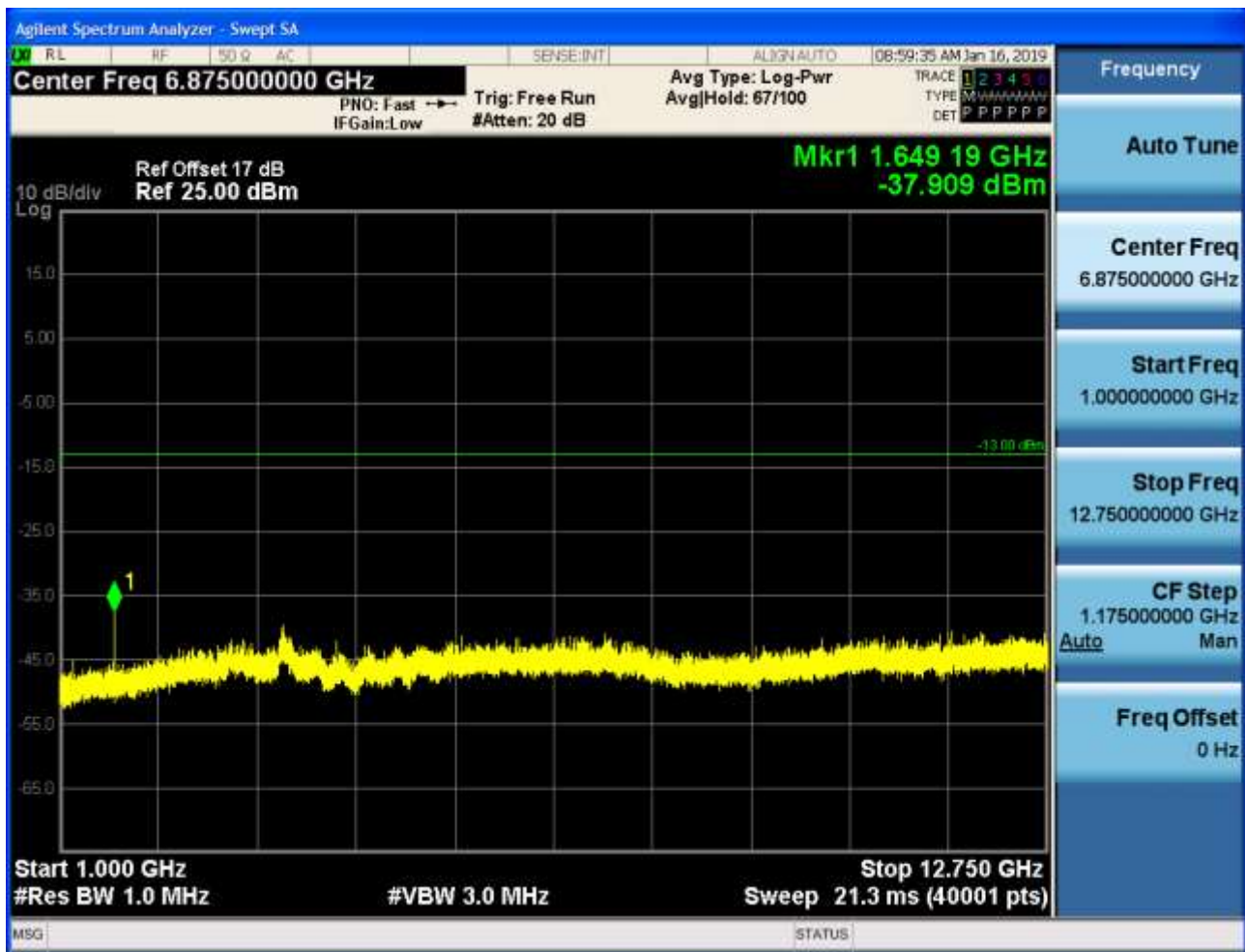
#### 6.2.1.1.2.1 Test Channel = LCH

##### 6.2.1.1.2.1.1 Test RB = RB1#0







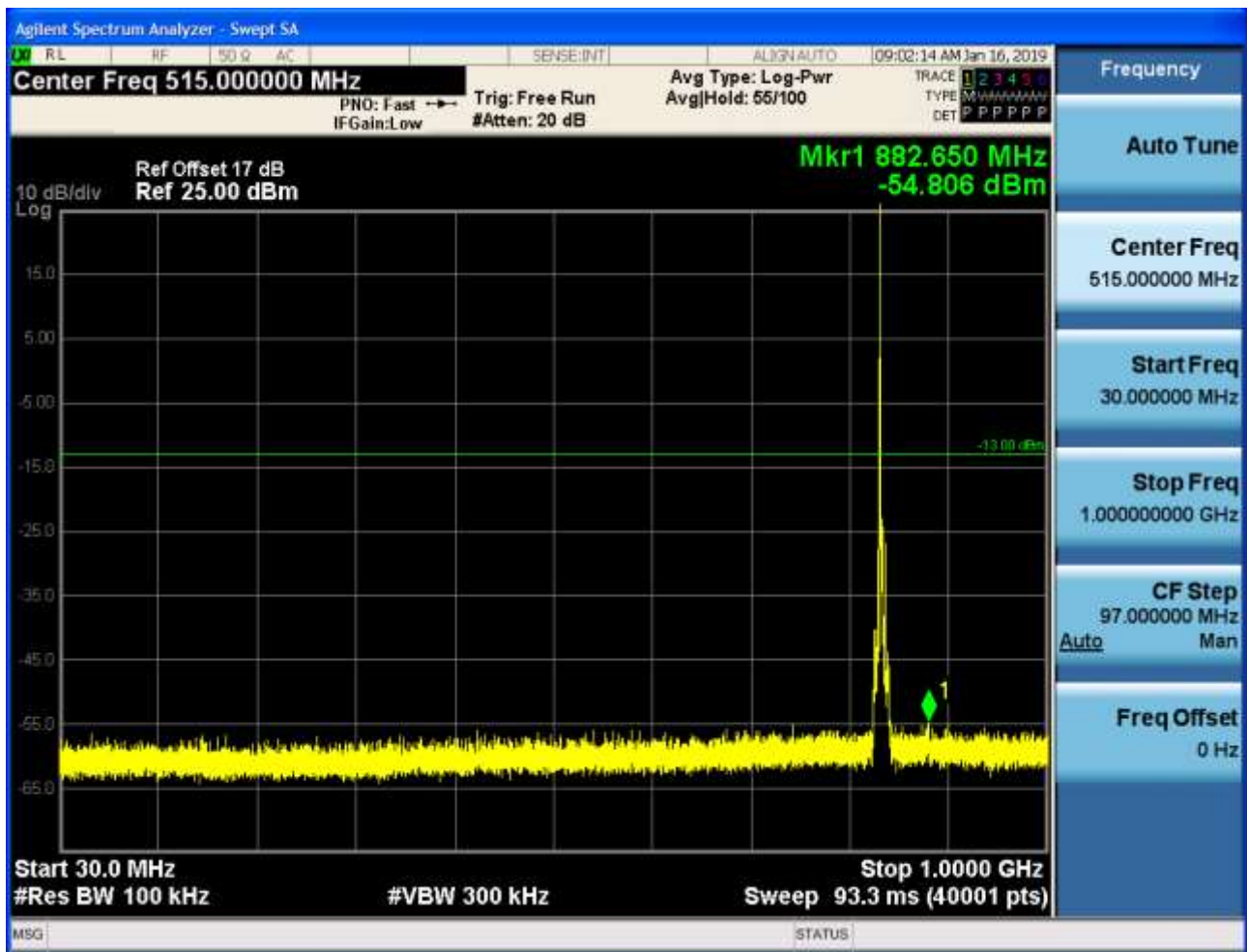


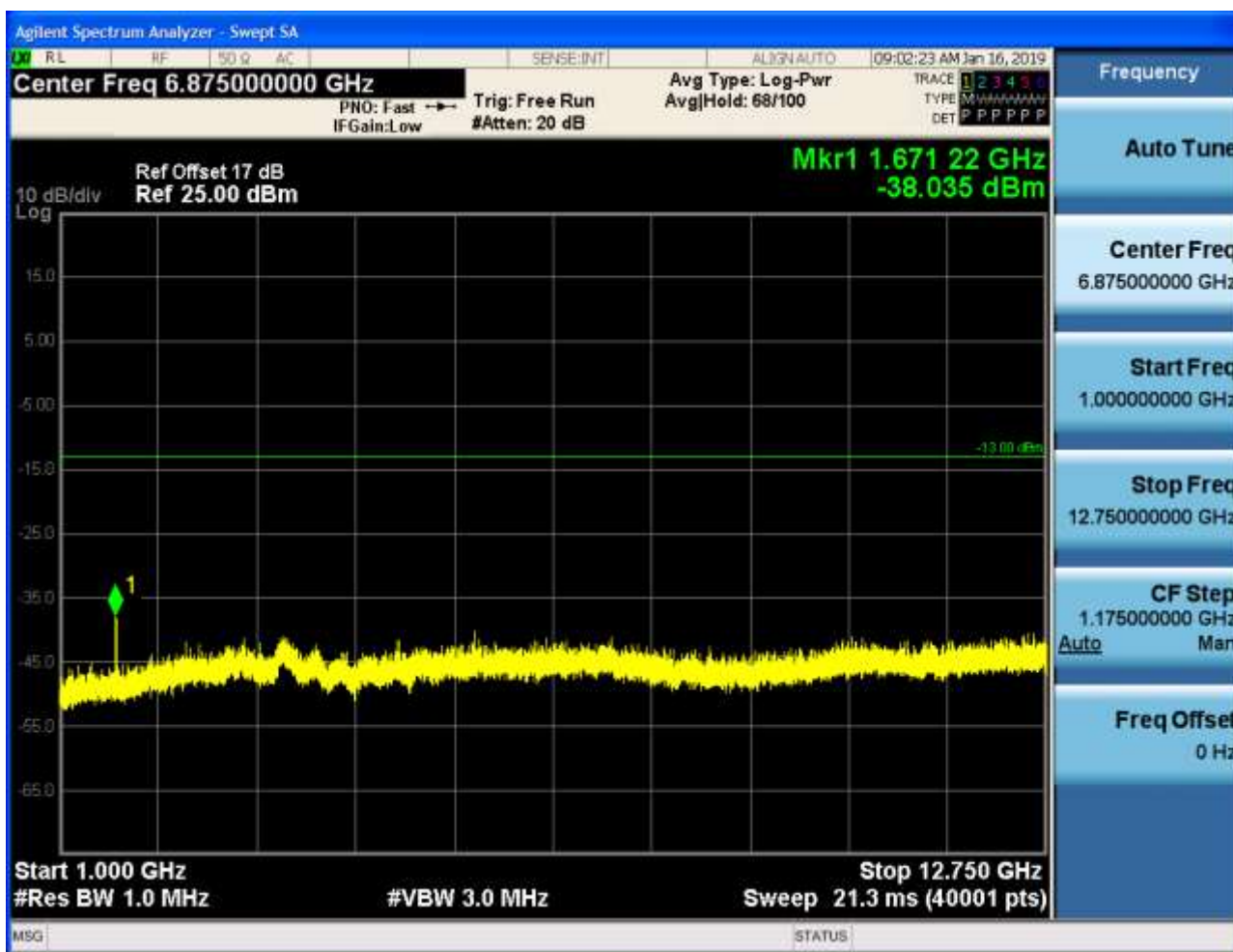
### 6.2.1.1.2.2 Test Channel = MCH

#### 6.2.1.1.2.2.1 Test RB = RB1#0









### 6.2.1.1.2.3 Test Channel = HCH

#### 6.2.1.1.2.3.1 Test RB = RB1#0

