



# Appendix for test report

## 1Appendix\_A: Effective (Isotropic) Radiated Power Output Data

### Part I - Test Results

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
| Band7          | LTE/TM1   | 5              | LCH          | RB1#0   | 22.89         | 21.99      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.98         | 22.08      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.88         | 21.98      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.97         | 21.07      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22.08         | 21.18      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.95         | 21.05      | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.02         | 21.12      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.81         | 21.91      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.90         | 22.00      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.77         | 21.87      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.92         | 21.02      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.92         | 21.02      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.86         | 20.96      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.91         | 21.01      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 22.72         | 21.82      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.91         | 22.01      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.81         | 21.91      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.92         | 21.02      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.93         | 21.03      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.84         | 20.94      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.88         | 20.98      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.94         | 22.04      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.16         | 22.26      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.88         | 21.98      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.99         | 21.09      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.98         | 21.08      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.06         | 21.16      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.00         | 21.10      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.86         | 21.96      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.10         | 22.20      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.77         | 21.87      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB25#0  | 21.97         | 21.07      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.93         | 21.03      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.91         | 21.01      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.00         | 21.10      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.84         | 21.94      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.02         | 22.12      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.89         | 21.99      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.89         | 20.99      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.86         | 20.96      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.80         | 20.90      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.92         | 21.02      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 22.86         | 21.96      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.93         | 22.03      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.71         | 21.81      | 33          | PASS    |
|                |           |                |              | RB38#0  | 22.10         | 21.20      | 33          | PASS    |
|                |           |                |              | RB38#19 | 22.08         | 21.18      | 33          | PASS    |
|                |           |                |              | RB38#39 | 22.03         | 21.13      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB75#0  | 22.04         | 21.14      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.75         | 21.85      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.81         | 21.91      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.68         | 21.78      | 33          | PASS    |
|                |           |                |              | RB38#0  | 22.01         | 21.11      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.98         | 21.08      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.94         | 21.04      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.91         | 21.01      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.78         | 21.88      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.82         | 21.92      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.77         | 21.87      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.91         | 21.01      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.91         | 21.01      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.87         | 20.97      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.91         | 21.01      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.69         | 21.79      | 33          | PASS    |
|                |           |                |              | RB1#50  | 23.09         | 22.19      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#99  | 22.62         | 21.72      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.95         | 21.05      | 33          | PASS    |
|                |           |                |              | RB50#25 | 22.00         | 21.11      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.98         | 21.08      | 33          | PASS    |
|                |           |                |              | RB100#0 | 22.00         | 21.10      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.62         | 21.72      | 33          | PASS    |
|                |           |                |              | RB1#50  | 23.01         | 22.11      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.54         | 21.64      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.95         | 21.05      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.87         | 20.97      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.84         | 20.94      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.91         | 21.01      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.57         | 21.67      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.98         | 22.08      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.53         | 21.63      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.83         | 20.93      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.84         | 20.94      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB50#50 | 21.75         | 20.85      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.84         | 20.94      | 33          | PASS    |
|                | LTE/TM2   | 5              | LCH          | RB1#0   | 22.37         | 21.47      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.48         | 21.58      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.35         | 21.45      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.07         | 20.17      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.17         | 20.27      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.09         | 20.19      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.07         | 20.17      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.96         | 21.06      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.09         | 21.19      | 33          | PASS    |
|                |           |                |              | RB1#24  | 21.96         | 21.06      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.93         | 20.03      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.02         | 20.12      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.96         | 20.06      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.93         | 20.03      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.91         | 21.01      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#13  | 22.03         | 21.13      | 33          | PASS    |
|                |           |                |              | RB1#24  | 21.97         | 21.07      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.94         | 20.04      | 33          | PASS    |
|                |           |                |              | RB12#6  | 20.97         | 20.07      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.88         | 19.98      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.79         | 19.89      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.29         | 21.39      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.44         | 21.54      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.25         | 21.35      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.10         | 20.20      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.04         | 20.14      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.06         | 20.16      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.03         | 20.13      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.83         | 20.93      | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.97         | 21.07      | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.79         | 20.89      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.01         | 20.11      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB25#13 | 20.98         | 20.08      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.94         | 20.04      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.96         | 20.06      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.91         | 21.01      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.04         | 21.14      | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.88         | 20.98      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.99         | 20.09      | 33          | PASS    |
|                |           |                |              | RB25#13 | 20.99         | 20.09      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.92         | 20.02      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.93         | 20.03      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 22.21         | 21.31      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.26         | 21.36      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.16         | 21.26      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.05         | 20.15      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.06         | 20.16      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.05         | 20.15      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.03         | 20.13      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                | MCH          | RB1#0   | 21.71         | 20.81      | 33          | PASS    |
|                |           |                |              | RB1#38  | 21.81         | 20.91      | 33          | PASS    |
|                |           |                |              | RB1#74  | 21.68         | 20.78      | 33          | PASS    |
|                |           |                |              | RB38#0  | 20.92         | 20.02      | 33          | PASS    |
|                |           |                |              | RB38#19 | 20.92         | 20.02      | 33          | PASS    |
|                |           |                |              | RB38#39 | 20.87         | 19.97      | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.91         | 20.01      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.19         | 21.29      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.19         | 21.29      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.17         | 21.27      | 33          | PASS    |
|                |           |                |              | RB38#0  | 20.83         | 19.93      | 33          | PASS    |
|                |           |                |              | RB38#19 | 20.81         | 19.91      | 33          | PASS    |
|                |           |                |              | RB38#39 | 20.81         | 19.91      | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.86         | 19.96      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.09         | 21.19      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.45         | 21.55      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.03         | 21.13      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB50#0  | 21.00         | 20.10      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.01         | 20.11      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.06         | 20.16      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.04         | 20.14      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.13         | 21.23      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.52         | 21.62      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.08         | 21.18      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.99         | 20.09      | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.93         | 20.03      | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.84         | 19.94      | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.96         | 20.06      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.02         | 21.12      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.36         | 21.46      | 33          | PASS    |
|                |           |                |              | RB1#99  | 21.95         | 21.05      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.83         | 19.93      | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.83         | 19.93      | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.76         | 19.86      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB100#0 | 20.87         | 19.97      | 33          | PASS    |

Note1:

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

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

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

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 |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| Band7              | LTE/TM1   | 5                    | LCH          | RB1#0   | 4.22         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.53         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.22         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.13         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.32         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.52         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.57         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.58         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.59         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.08         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.24         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.20         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.39         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.38         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.85         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.06         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.19         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.47         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.47         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.93         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.28         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.19         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.53         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.21         | 13         | PASS    |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      | HCH          | RB1#0   | 4.18         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.03         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.99         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.84         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.67         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.09         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 4.15         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.35         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.50         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.62         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.60         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.66         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.30         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.28         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.33         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.46         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.72         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.77         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.57         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.14         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 3.98         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 3.90         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.95         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.18         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.21         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.63         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.66         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.17         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.62         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.87         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.91         | 13         | PASS    |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    | LTE/TM1   |                      |              | RB50#25 | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.03         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.19         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.72         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.30         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.06         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.77         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.37         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 4.94         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.00         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.02         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.27         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.43         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.39         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.37         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.50         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.26         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.24         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.27         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 7.33         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.31         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.30         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.01         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.99         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.73         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.74         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.32         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.23         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.37         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.54         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.57         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#25  | 5.58         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.85         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.95         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 7.11         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 7.36         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.10         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.79         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.69         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.81         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.62         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 4.85         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.01         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.62         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.51         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.74         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.60         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.53         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.83         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.93         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.94         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 7.05         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 7.19         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.36         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.90         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.80         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.74         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.76         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.75         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.76         | 13         | PASS    |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB50#50 | 6.88         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.90         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.56         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.46         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.93         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.99         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.99         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 7.21         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.54         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.06         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.16         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.89         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.81         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.84         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 7.12         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

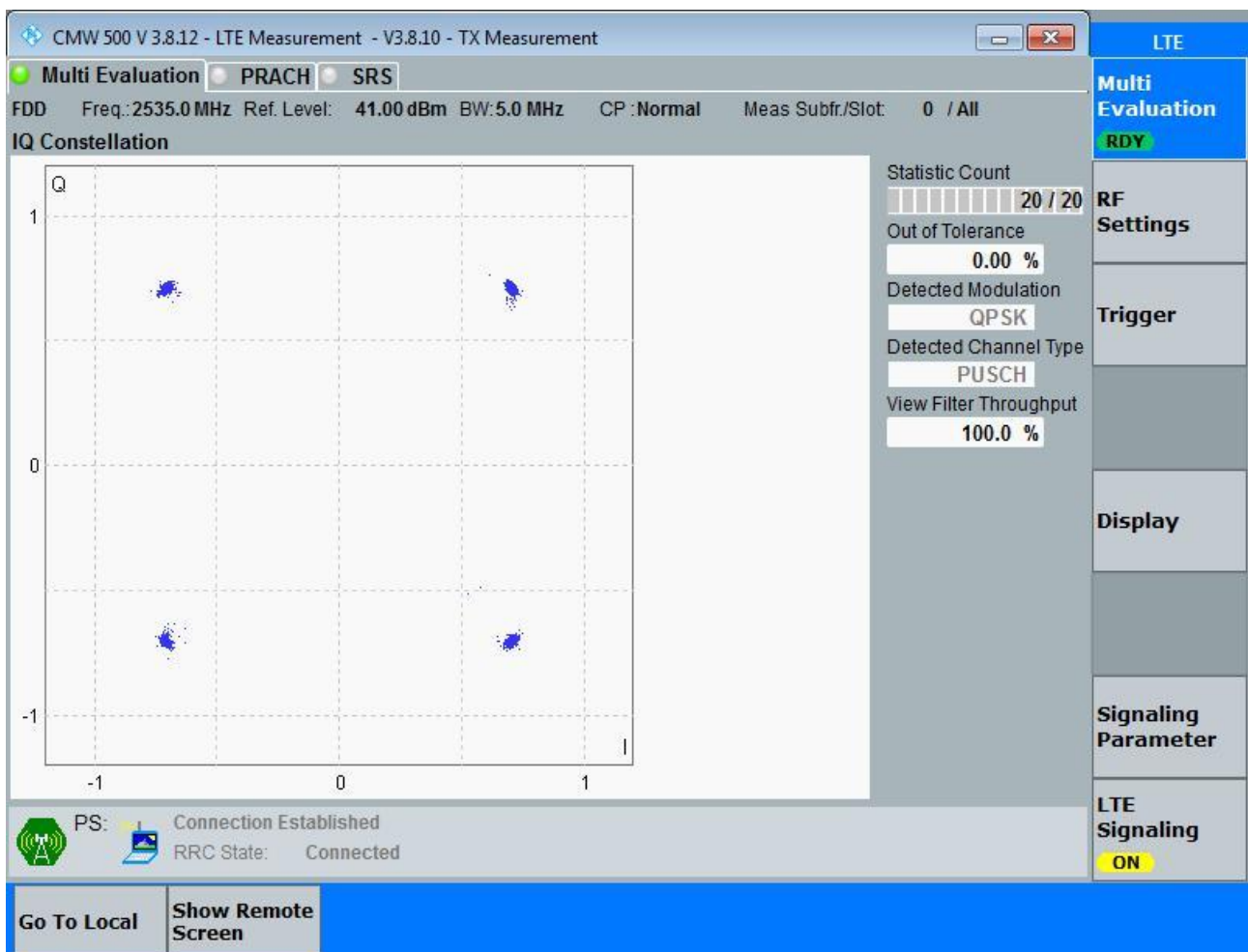
##### 3.1.1 Test Band = Band7

##### 3.1.1.1 Test Mode = LTE/TM1

##### 3.1.1.1.1 Test Bandwidth = 5MHz

##### 3.1.1.1.1.1 Test Channel = MCH

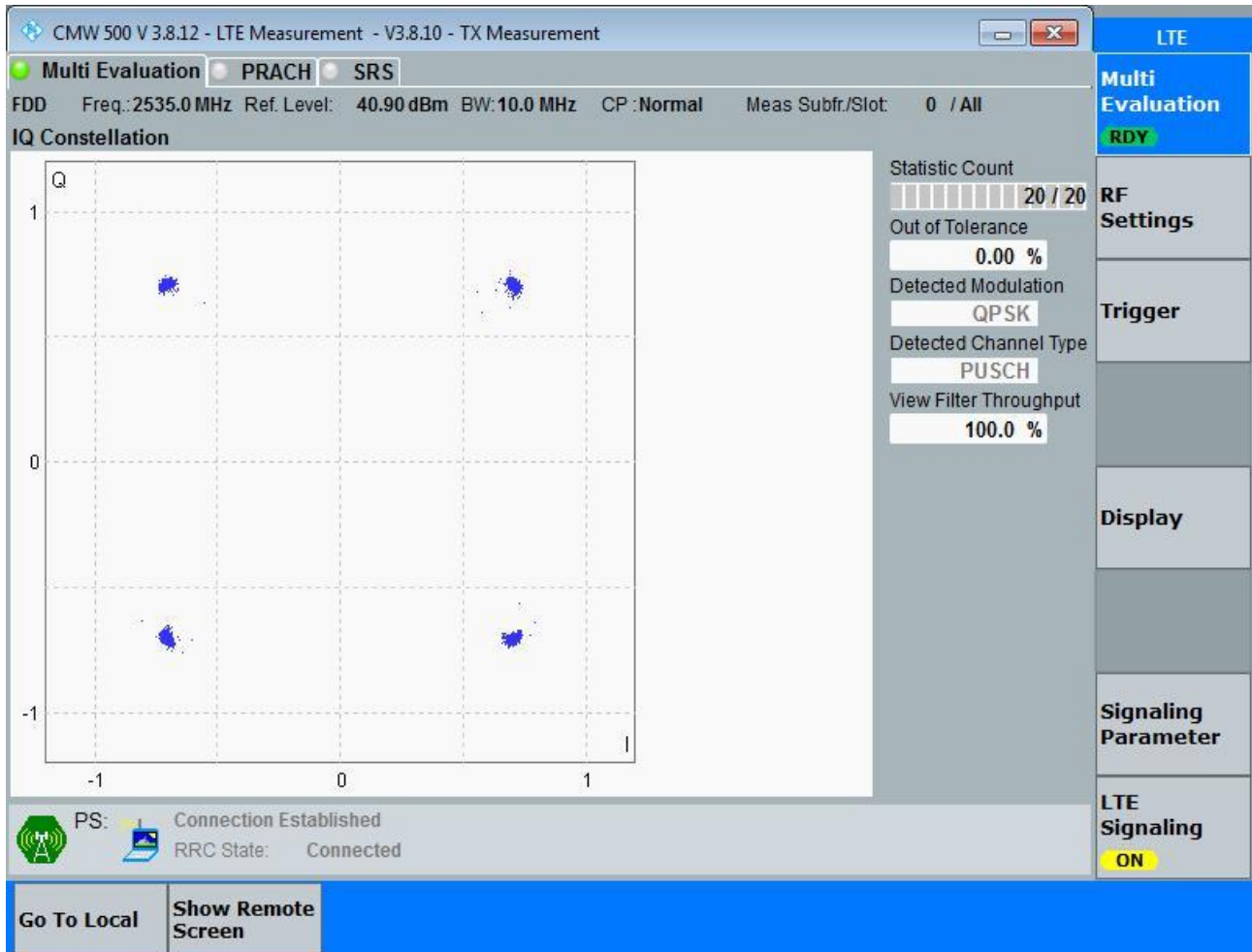
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 3.1.1.1.2 Test Bandwidth = 10MHz

#### 3.1.1.1.2.1 Test Channel = MCH

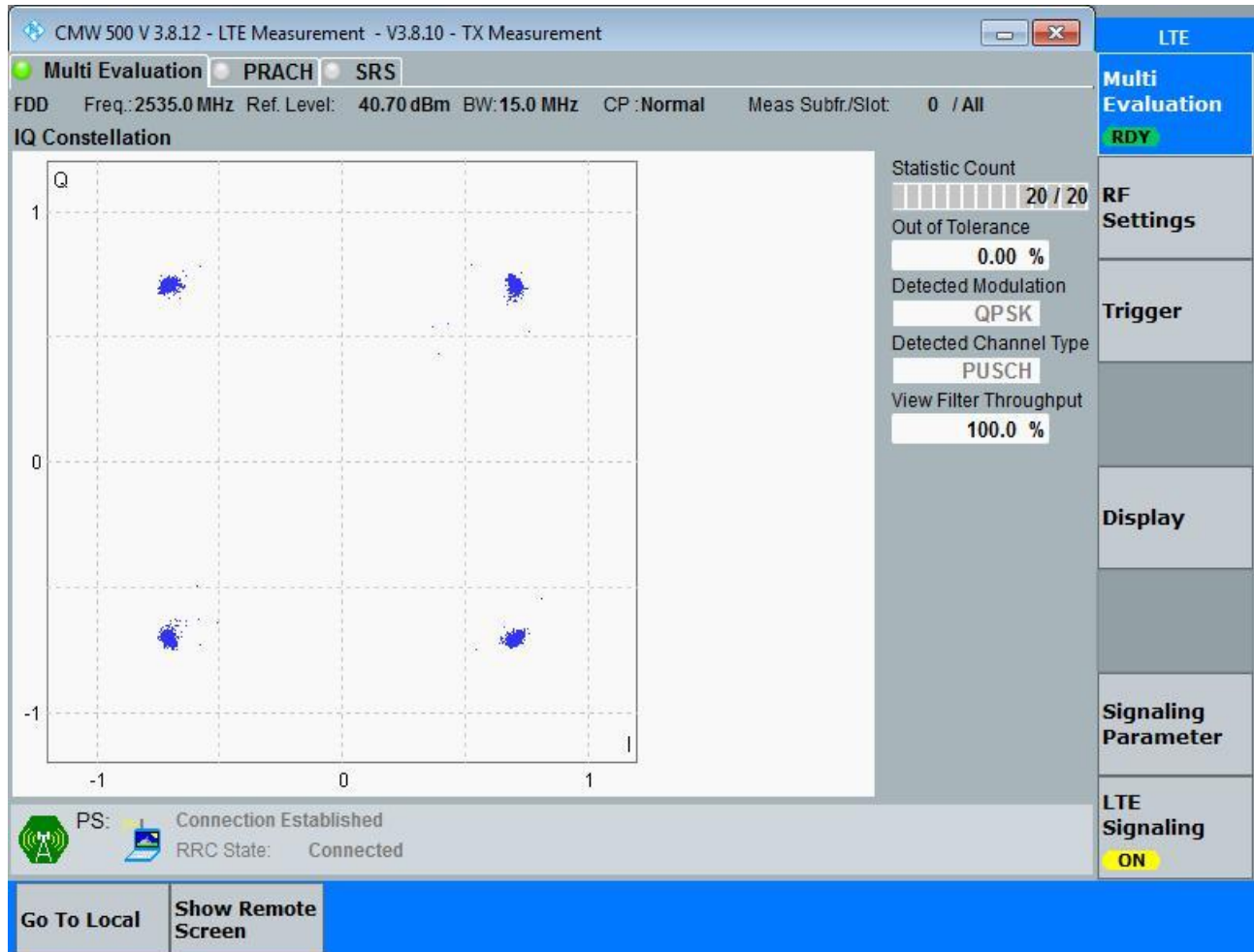
##### 3.1.1.1.2.1.1 Test RB = RB50#0



### 3.1.1.1.3 Test Bandwidth = 15MHz

#### 3.1.1.1.3.1 Test Channel = MCH

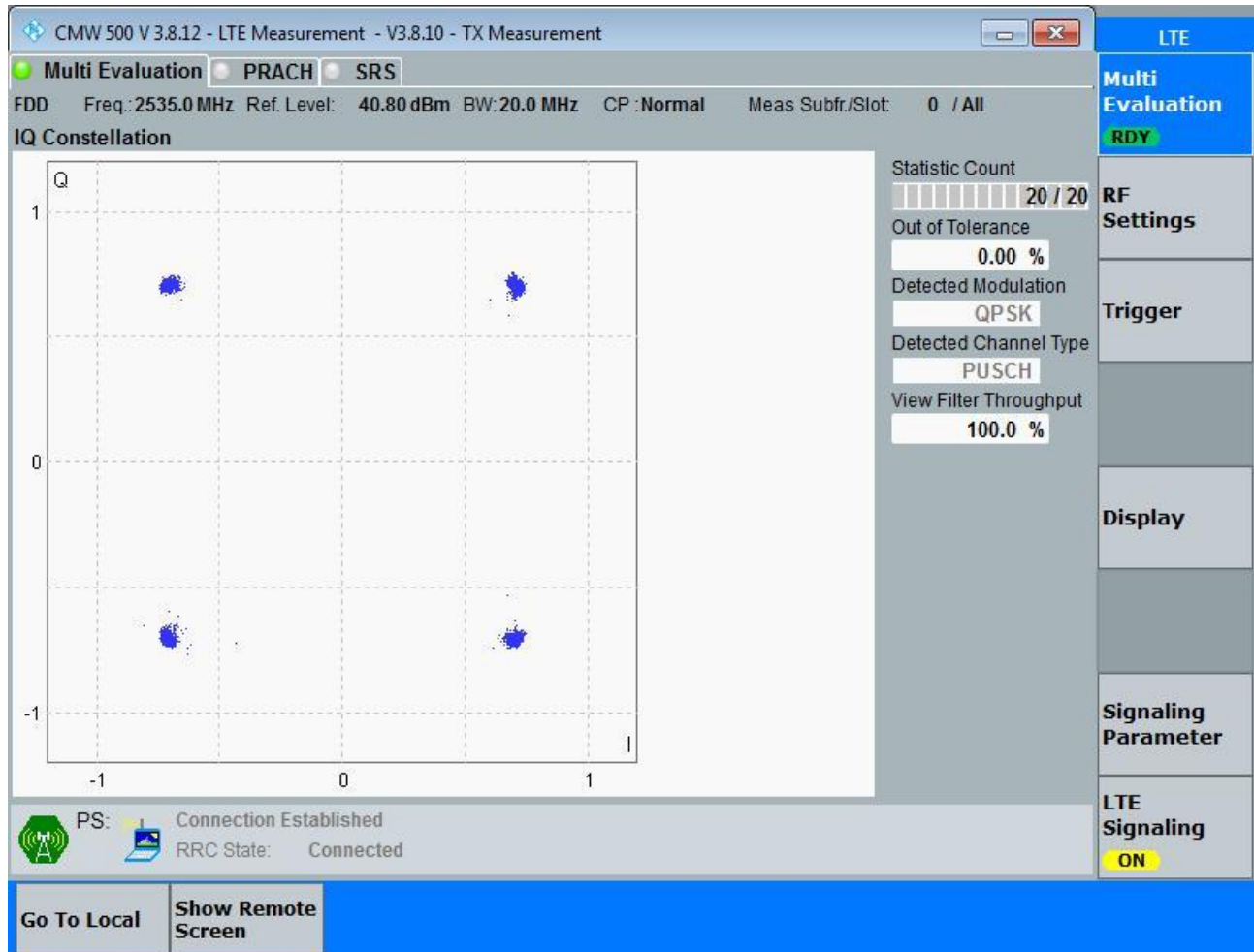
##### 3.1.1.1.3.1.1 Test RB = RB75#0



### 3.1.1.1.4 Test Bandwidth = 20MHz

#### 3.1.1.1.4.1 Test Channel = MCH

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

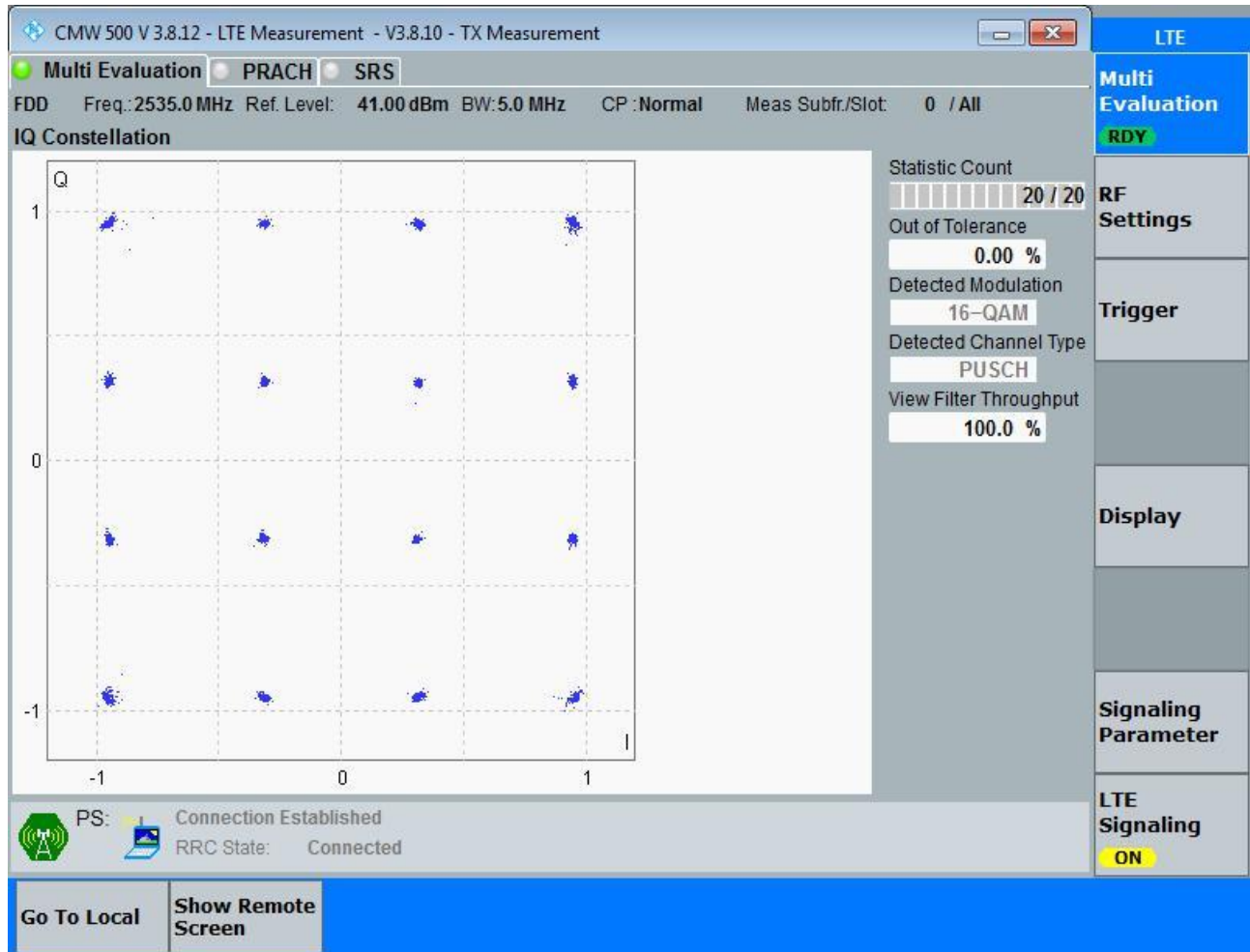


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 5MHz

##### 3.1.1.2.1.1 Test Channel = MCH

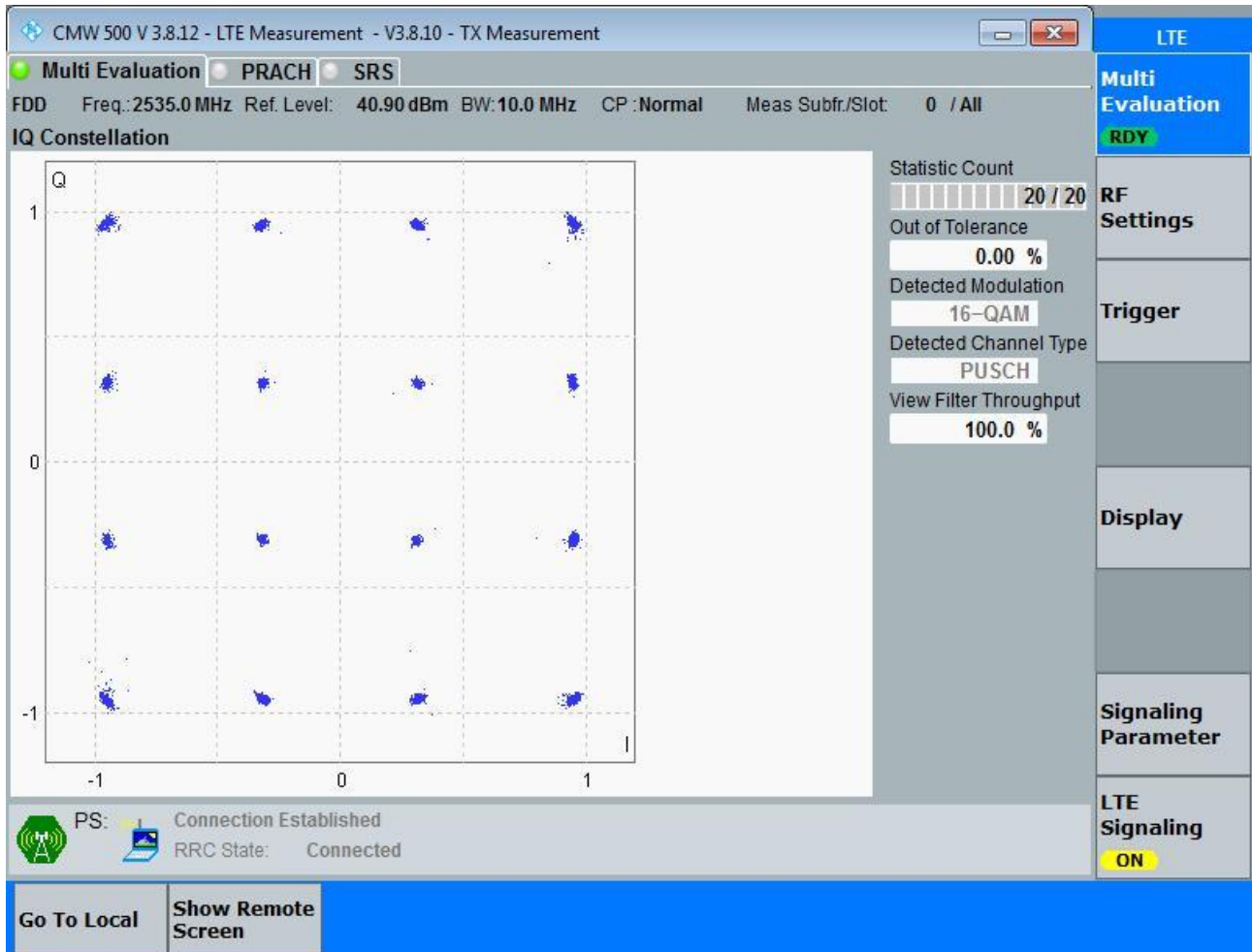
##### 3.1.1.2.1.1.1 Test RB = RB25#0



### 3.1.1.2.2 Test Bandwidth = 10MHz

#### 3.1.1.2.2.1 Test Channel = MCH

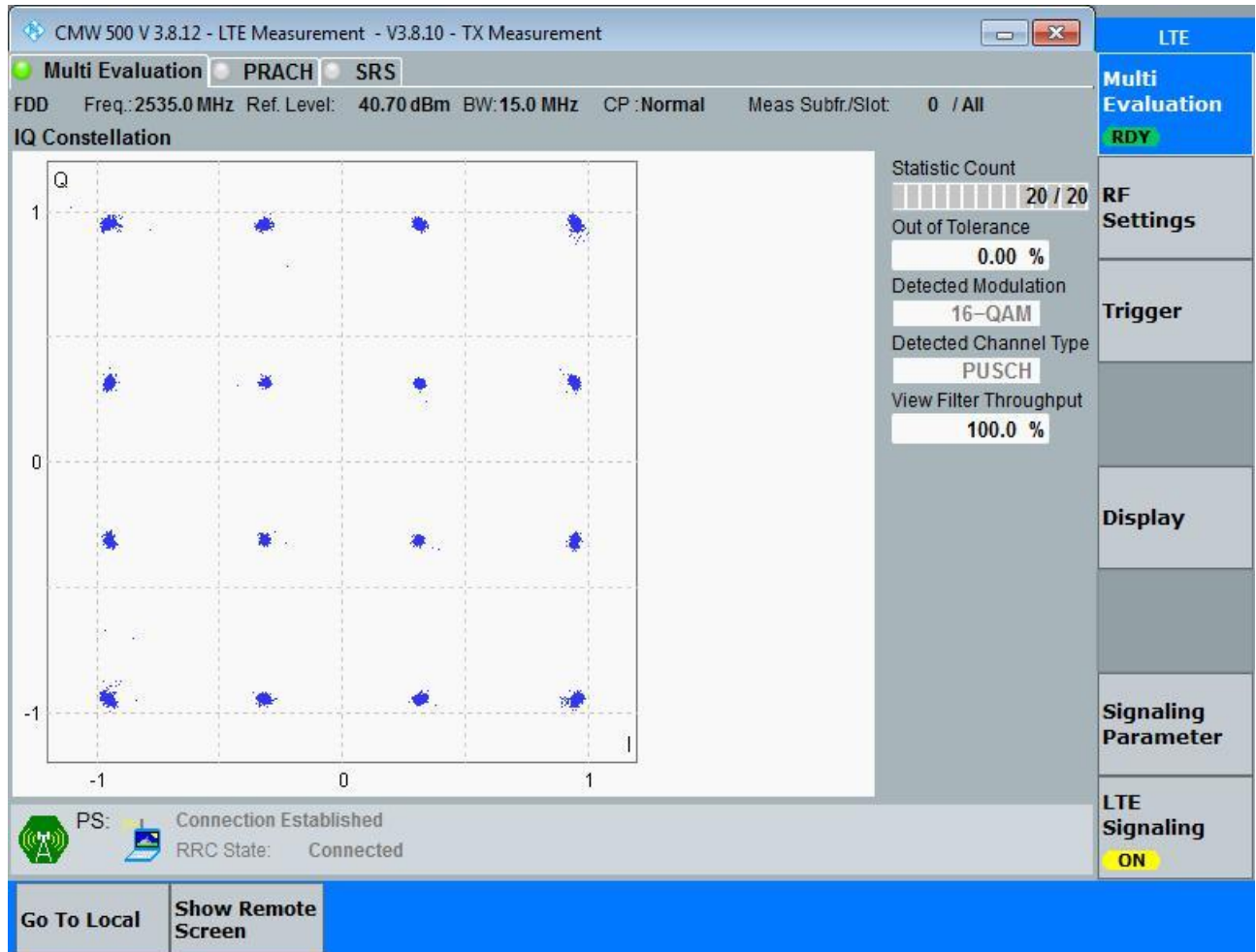
##### 3.1.1.2.2.1.1 Test RB = RB50#0



### 3.1.1.2.3 Test Bandwidth = 15MHz

#### 3.1.1.2.3.1 Test Channel = MCH

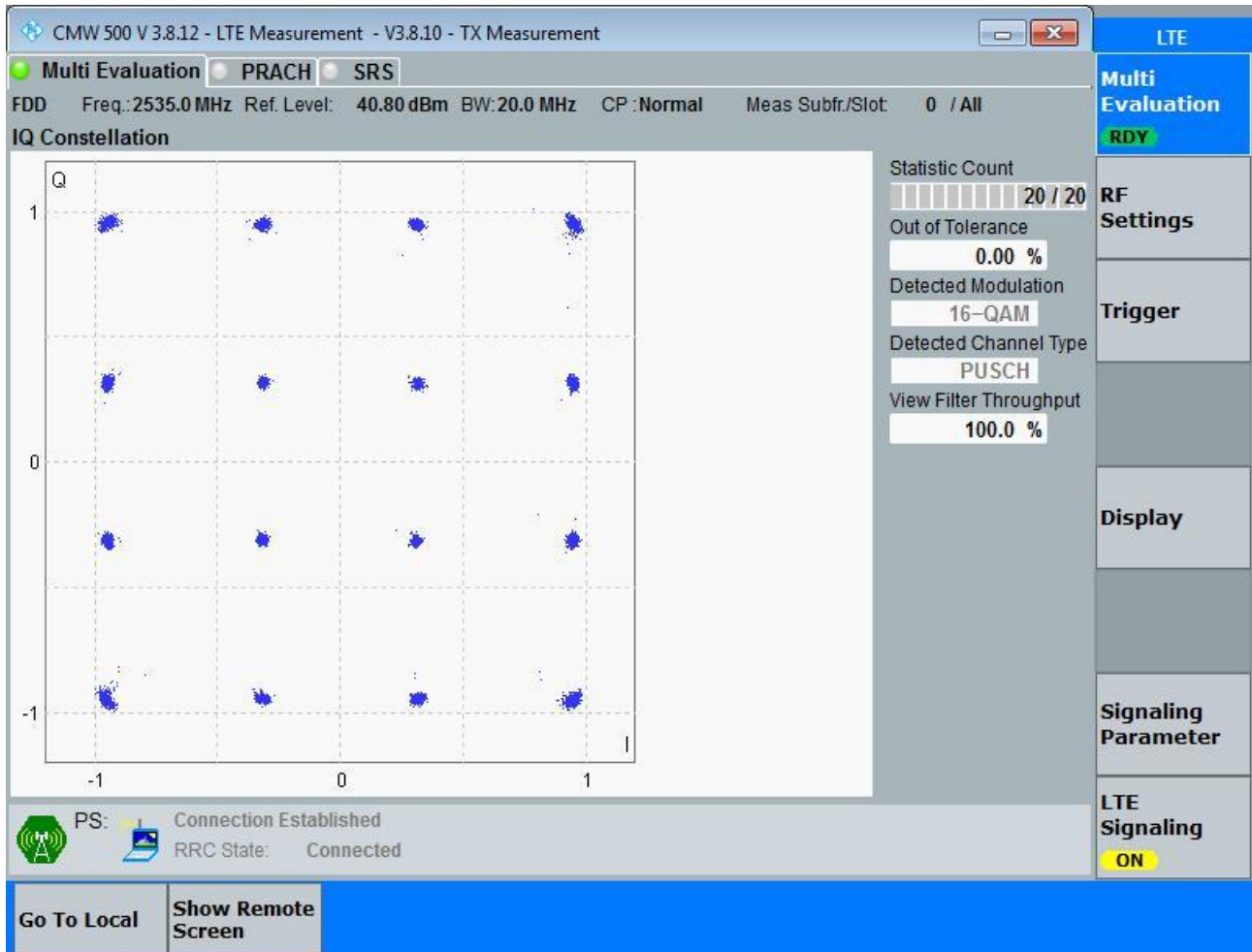
##### 3.1.1.2.3.1.1 Test RB = RB75#0



### 3.1.1.2.4 Test Bandwidth = 20MHz

#### 3.1.1.2.4.1 Test Channel = MCH

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





## 4Appendix\_D: Bandwidth

### Part I - Test Results

| Test Band | Test Mode | Test Bandwidth | Test Channel | Test RB | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| Band7     | LTE/TM1   | 5              | LCH          | RB25#0  | 4.51                     | 4.91                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.51                     | 4.91                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 4.88                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.99                     | 9.74                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.99                     | 9.84                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.99                     | 9.82                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.46                    | 14.62                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.46                    | 14.61                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.46                    | 14.59                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.99                    | 19.34                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.99                    | 19.47                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.92                    | 19.29                    | Pass    |
|           | LTE/TM2   | 5              | LCH          | RB25#0  | 4.50                     | 4.92                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.49                     | 4.90                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 4.91                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.97                     | 9.80                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.99                     | 9.76                     | Pass    |
|           |           |                | HCH          | RB50#0  | 9.00                     | 9.74                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.48                    | 14.58                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.49                    | 14.58                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.44                    | 14.53                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.99                    | 19.33                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.96                    | 19.29                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.94                    | 19.35                    | Pass    |

## Part II - Test Plots

### 4.1 For LTE

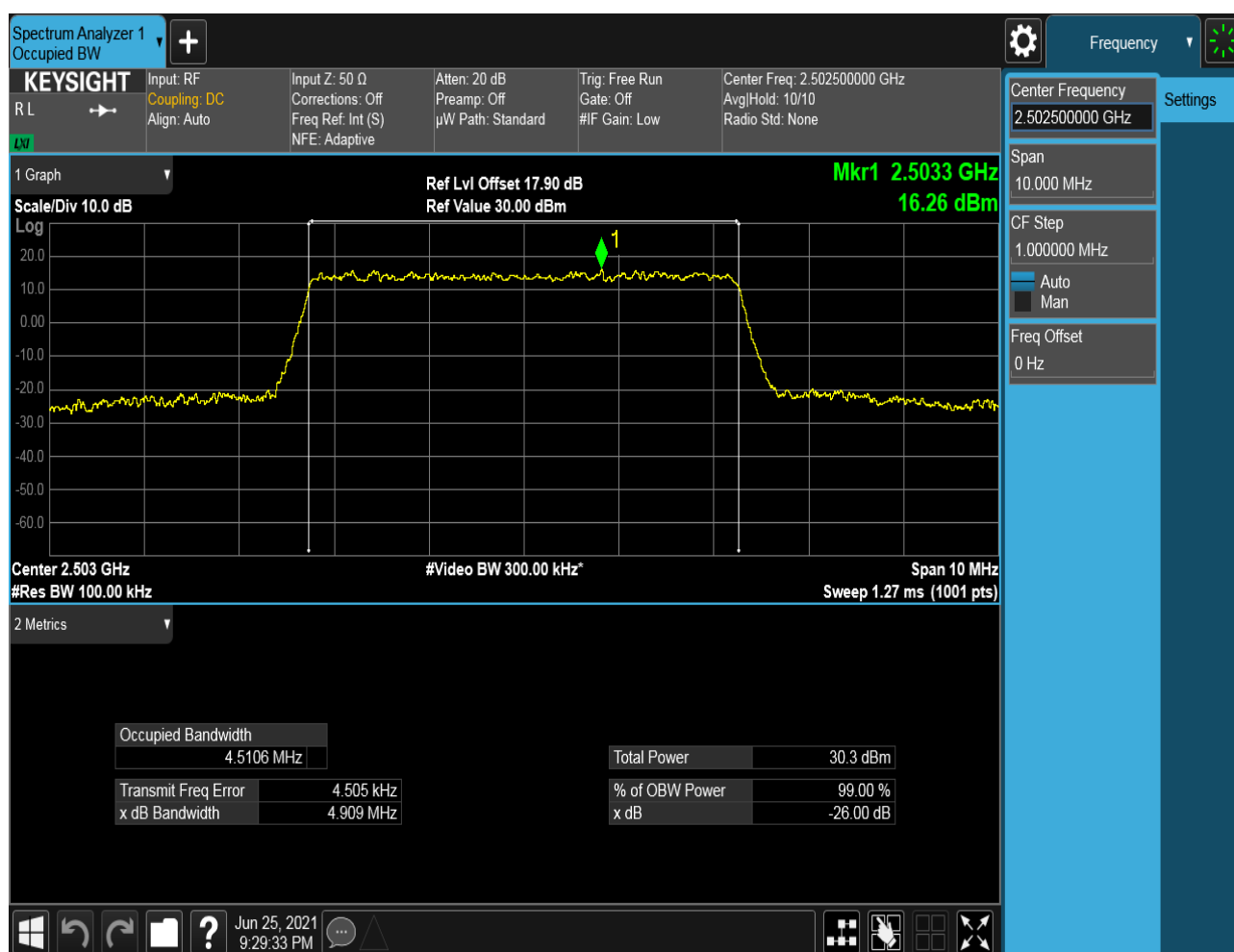
#### 4.1.1 Test Band = Band7

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

##### 4.1.1.1.1 Test Bandwidth = 5MHz

##### 4.1.1.1.1.1 Test Channel = LCH

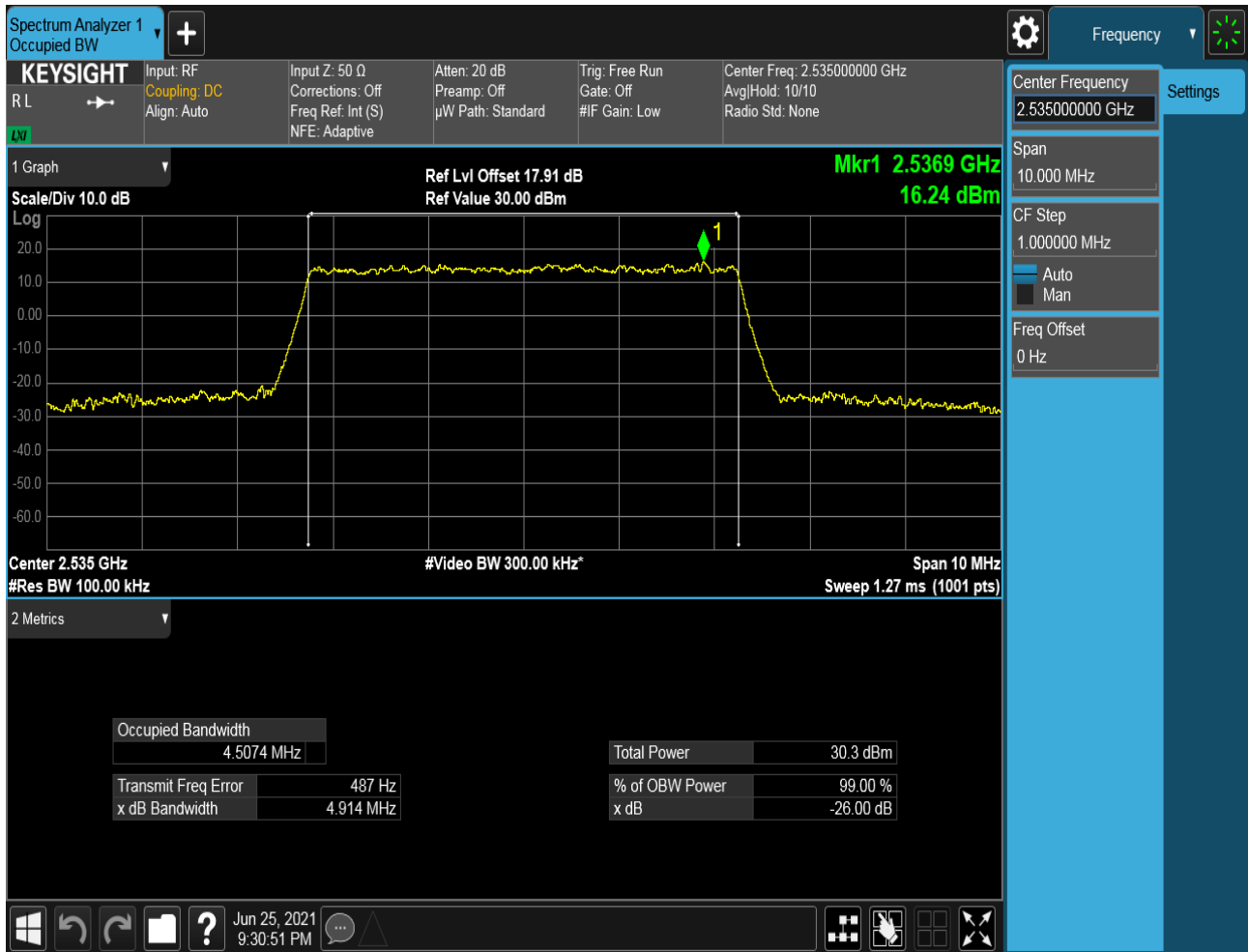
##### 4.1.1.1.1.1.1 Test RB = RB25#0





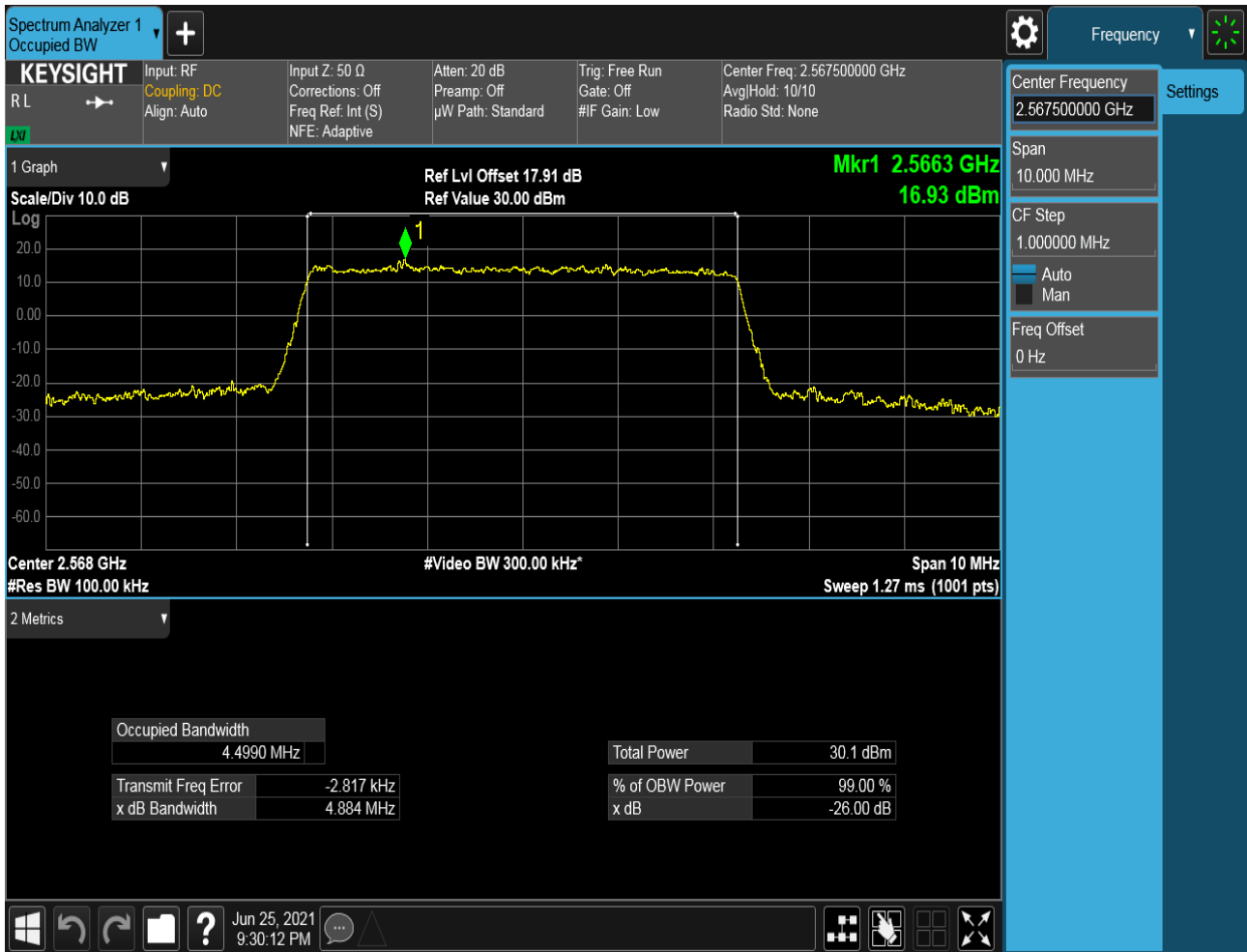
## 4.1.1.1.1.2 Test Channel = MCH

## 4.1.1.1.1.2.1 Test RB = RB25#0



#### 4.1.1.1.1.3 Test Channel = HCH

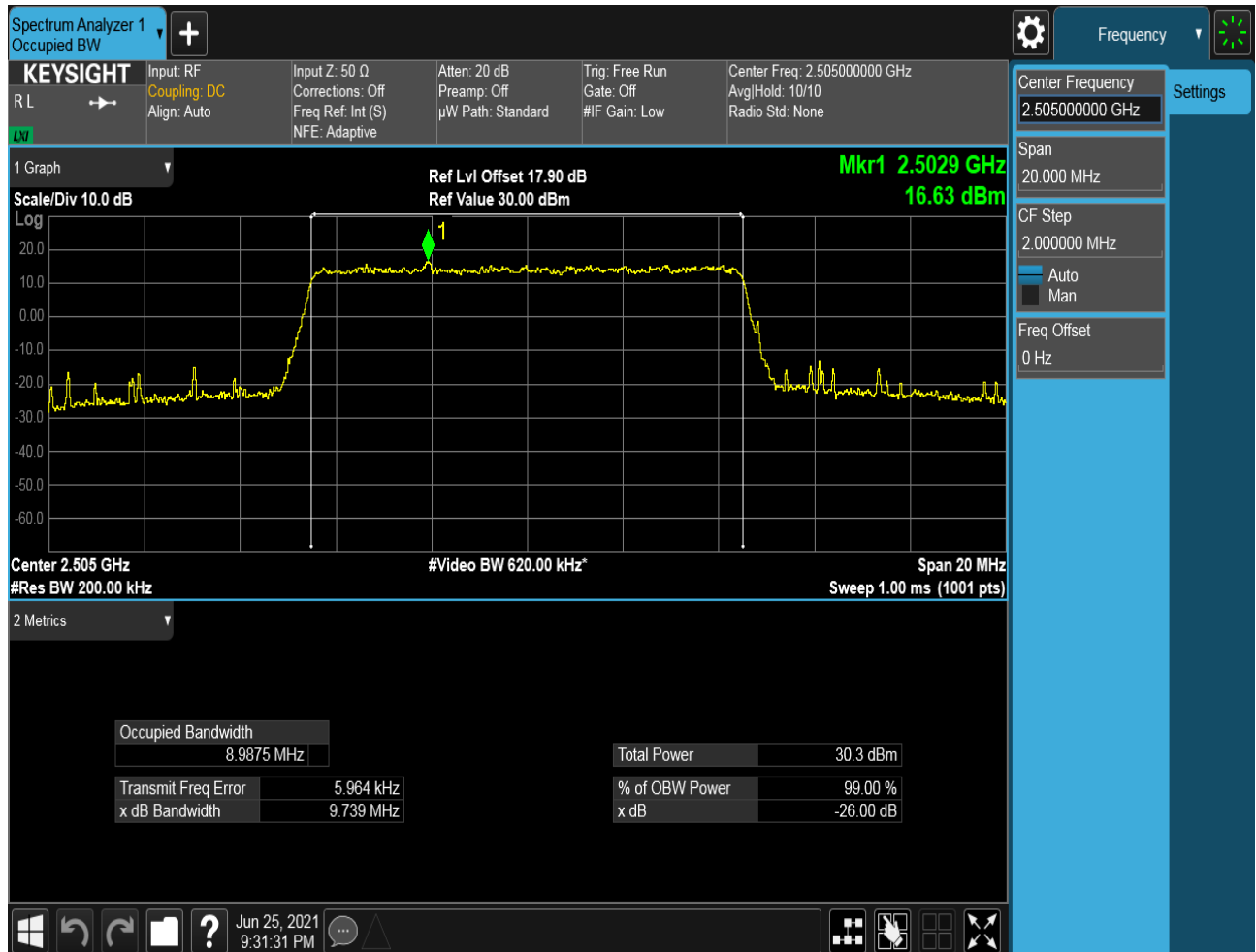
##### 4.1.1.1.1.3.1 Test RB = RB25#0



#### 4.1.1.1.2 Test Bandwidth = 10MHz

##### 4.1.1.1.2.1 Test Channel = LCH

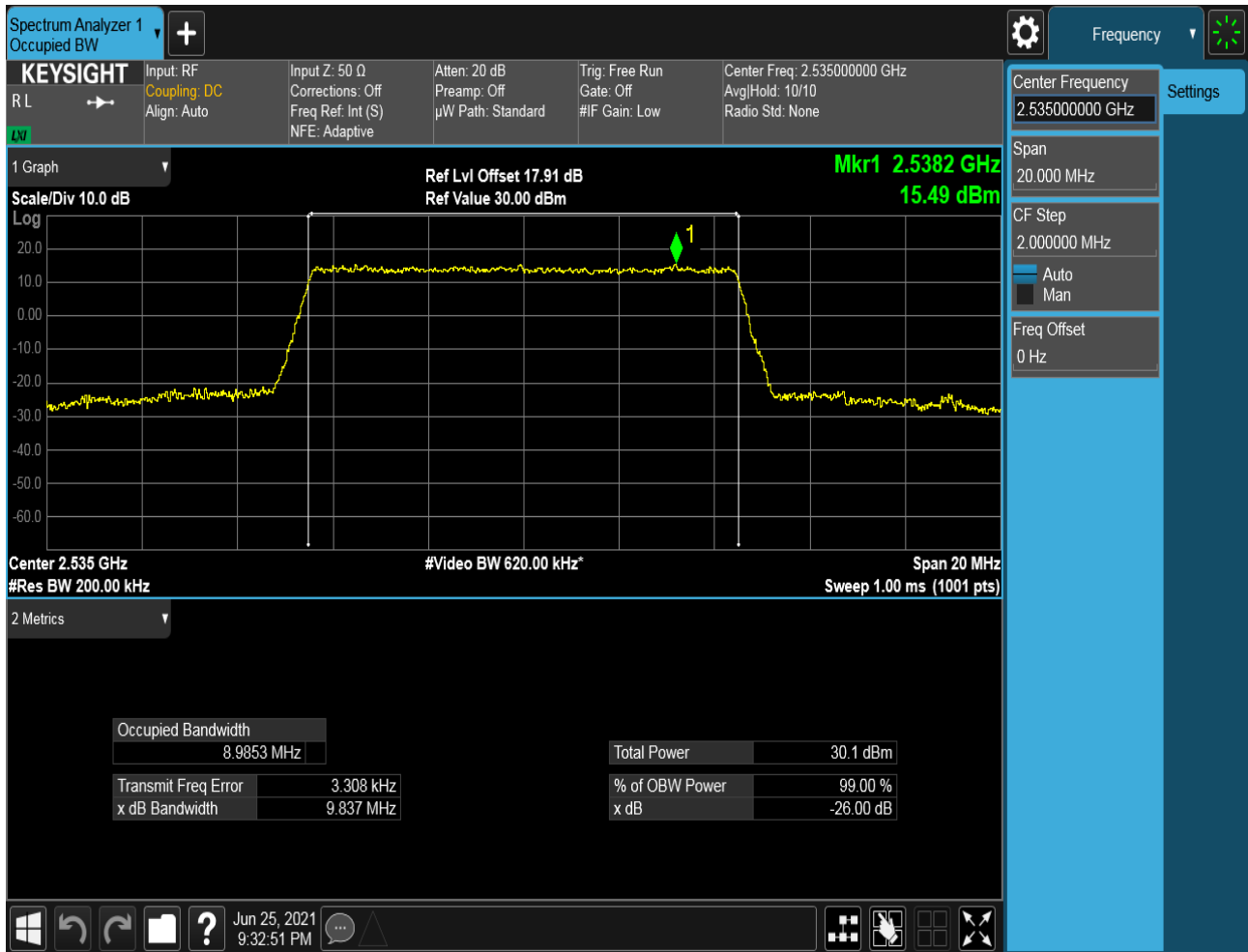
##### 4.1.1.1.2.1.1 Test RB = RB50#0





## 4.1.1.1.2.2 Test Channel = MCH

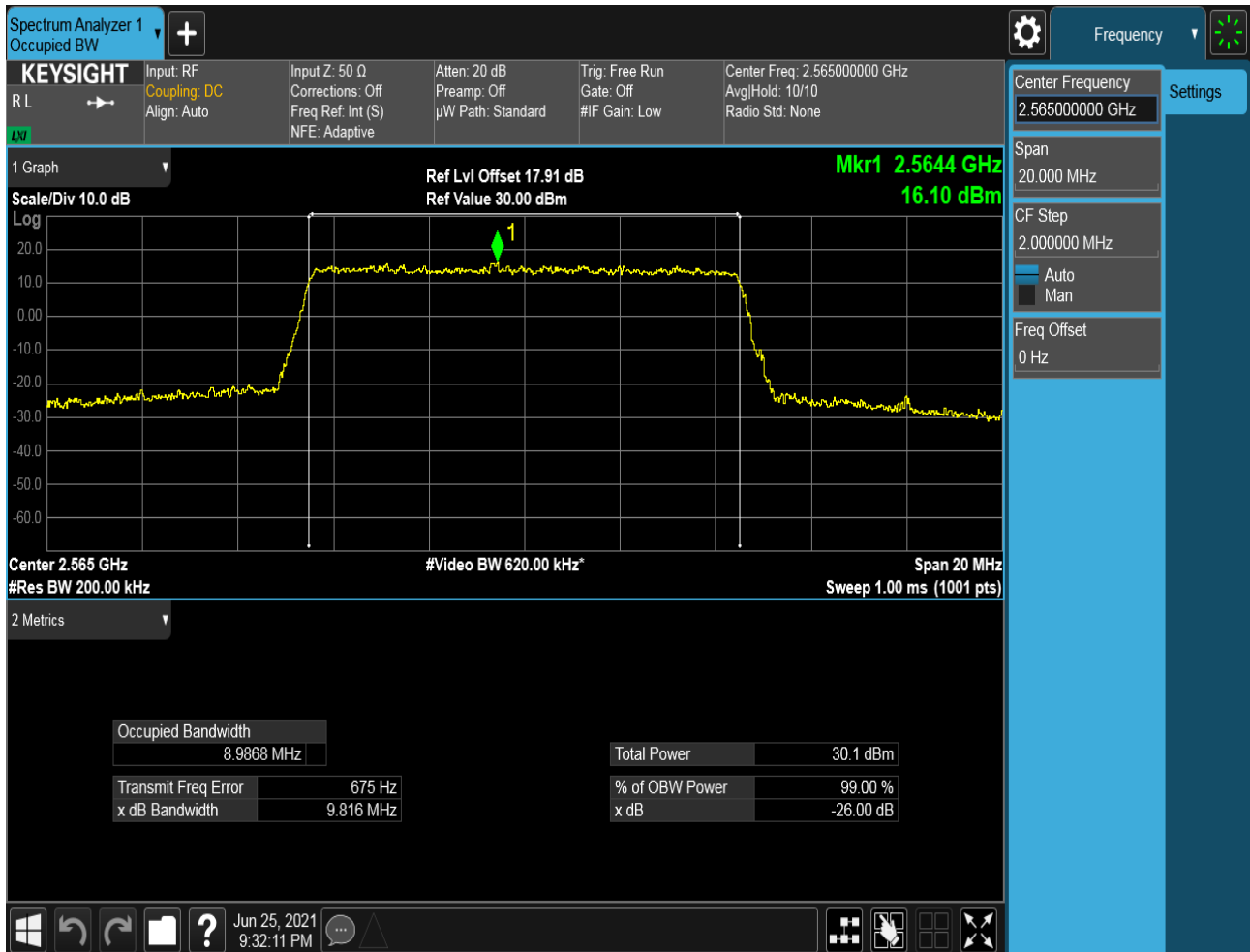
## 4.1.1.1.2.2.1 Test RB = RB50#0





## 4.1.1.1.2.3 Test Channel = HCH

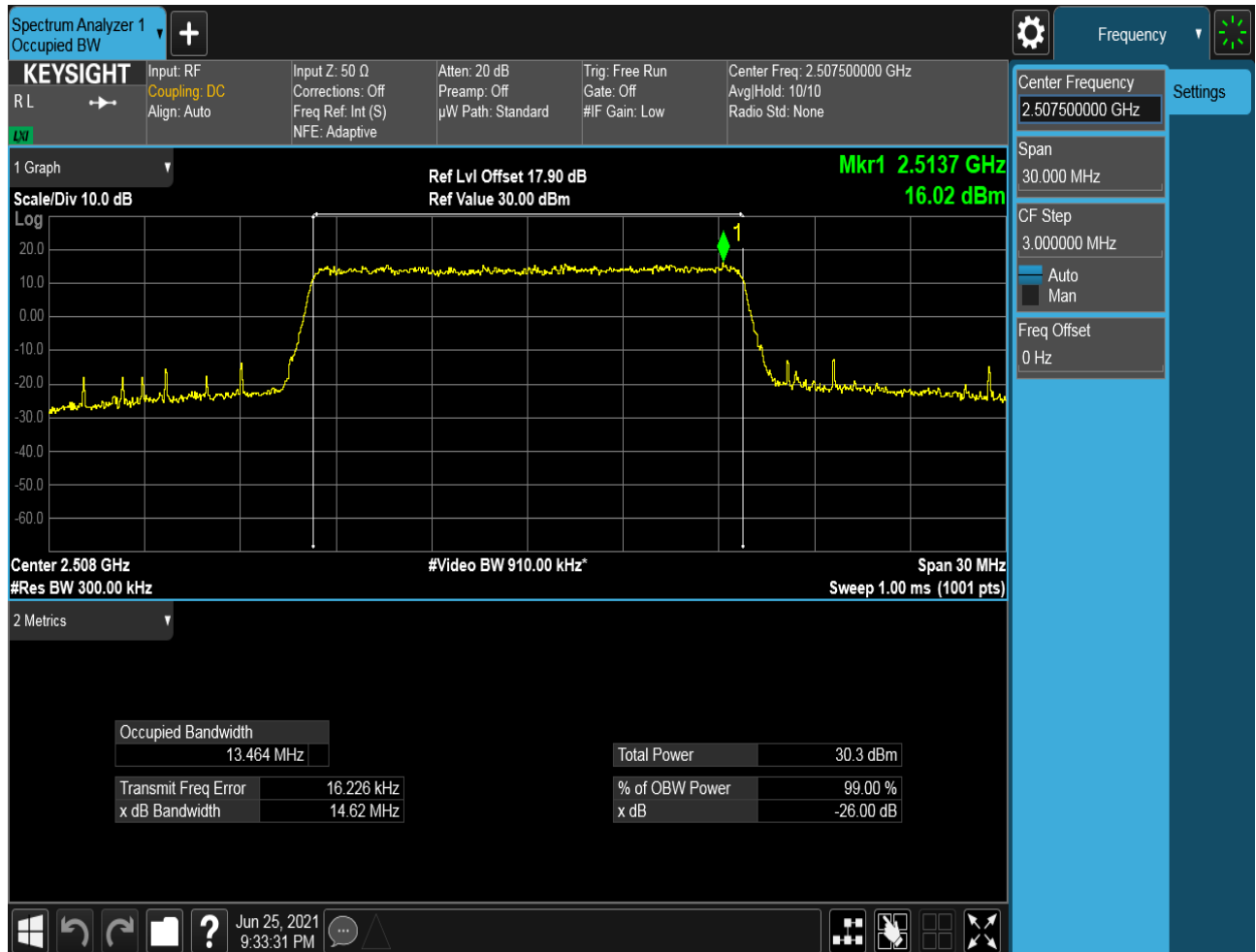
## 4.1.1.1.2.3.1 Test RB = RB50#0



#### 4.1.1.1.3 Test Bandwidth = 15MHz

##### 4.1.1.1.3.1 Test Channel = LCH

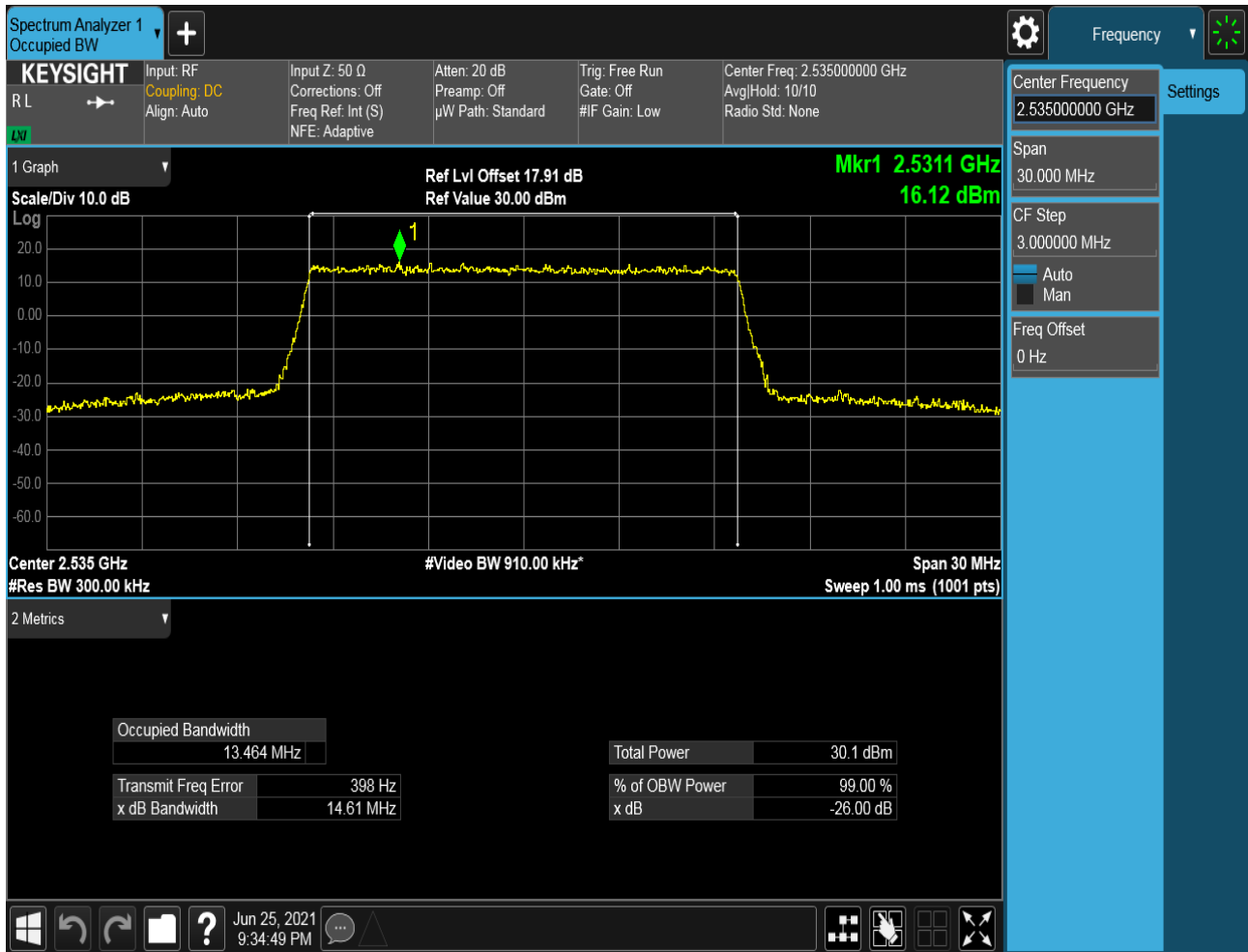
##### 4.1.1.1.3.1.1 Test RB = RB75#0





## 4.1.1.1.3.2 Test Channel = MCH

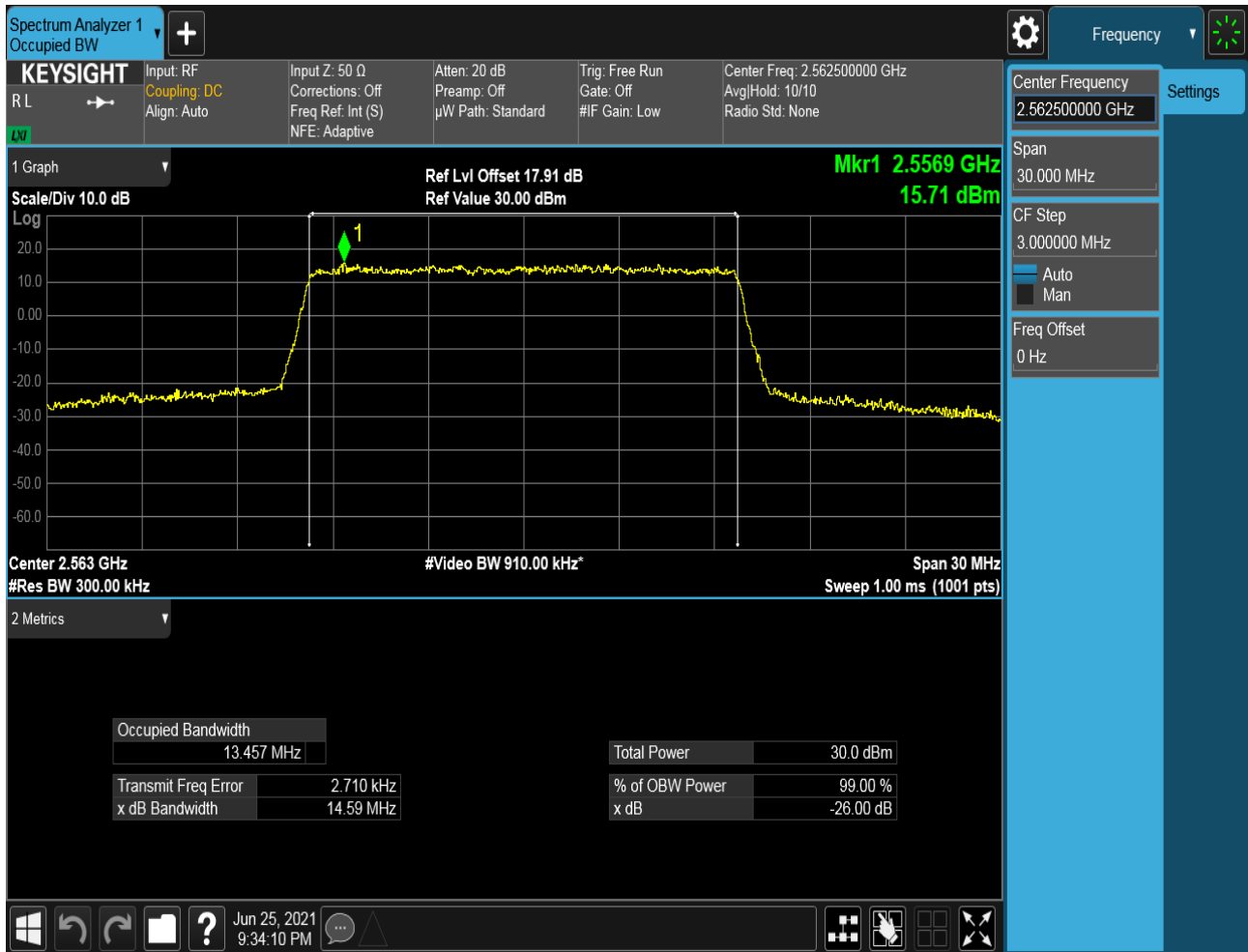
## 4.1.1.1.3.2.1 Test RB = RB75#0





## 4.1.1.1.3.3 Test Channel = HCH

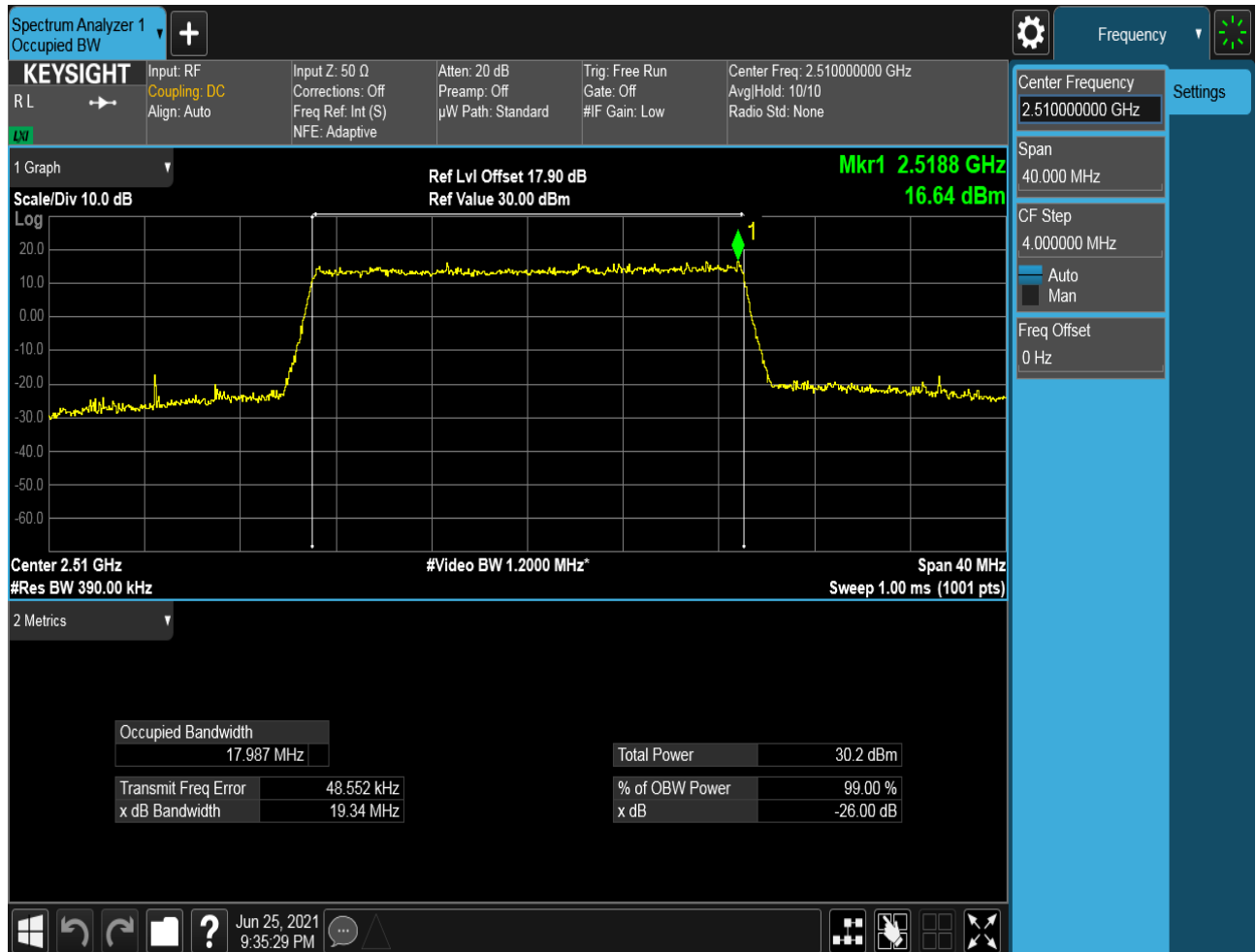
## 4.1.1.1.3.3.1 Test RB = RB75#0



#### 4.1.1.1.4 Test Bandwidth = 20MHz

##### 4.1.1.1.4.1 Test Channel = LCH

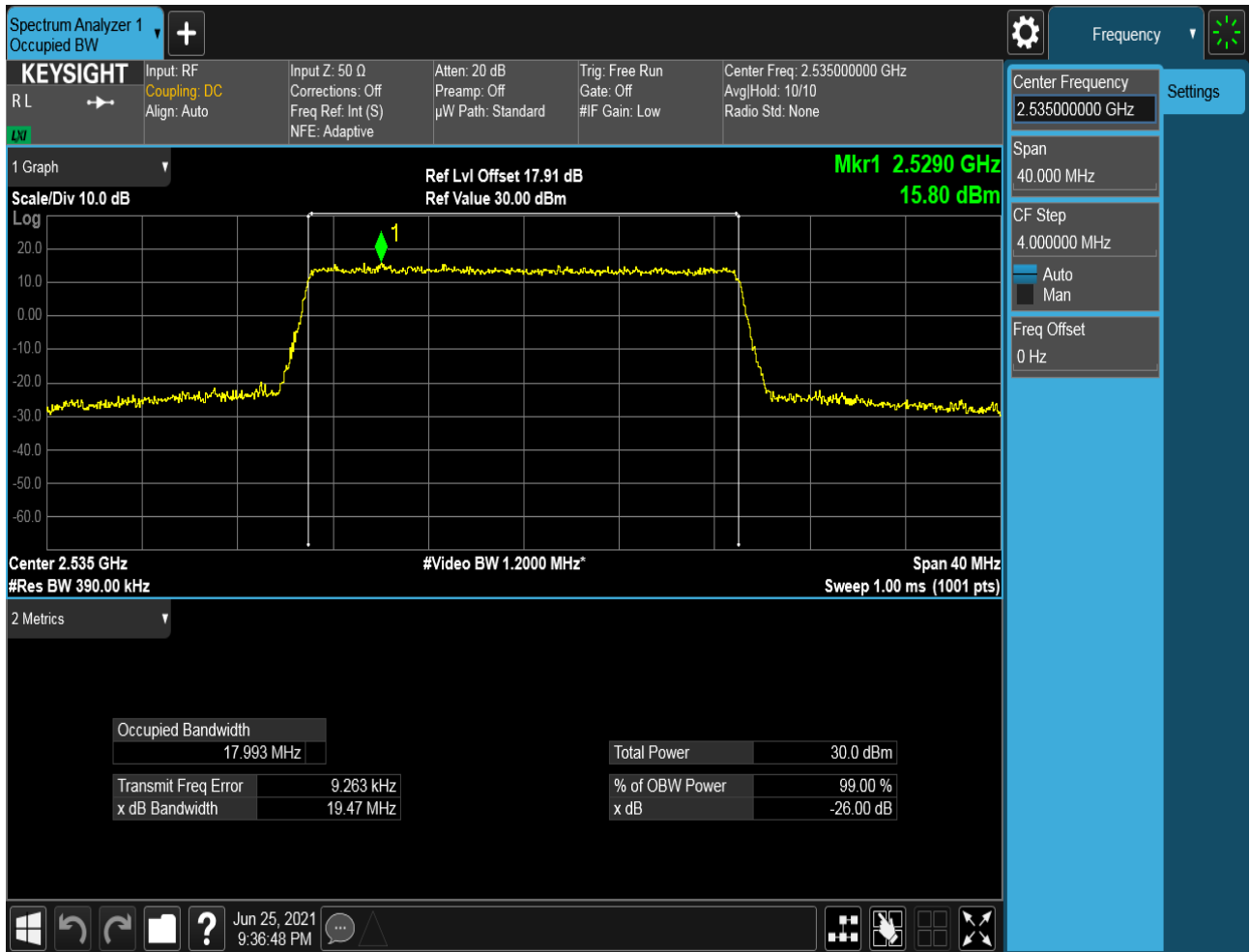
##### 4.1.1.1.4.1.1 Test RB = RB100#0





## 4.1.1.1.4.2 Test Channel = MCH

## 4.1.1.1.4.2.1 Test RB = RB100#0





## 4.1.1.1.4.3 Test Channel = HCH

## 4.1.1.1.4.3.1 Test RB = RB100#0



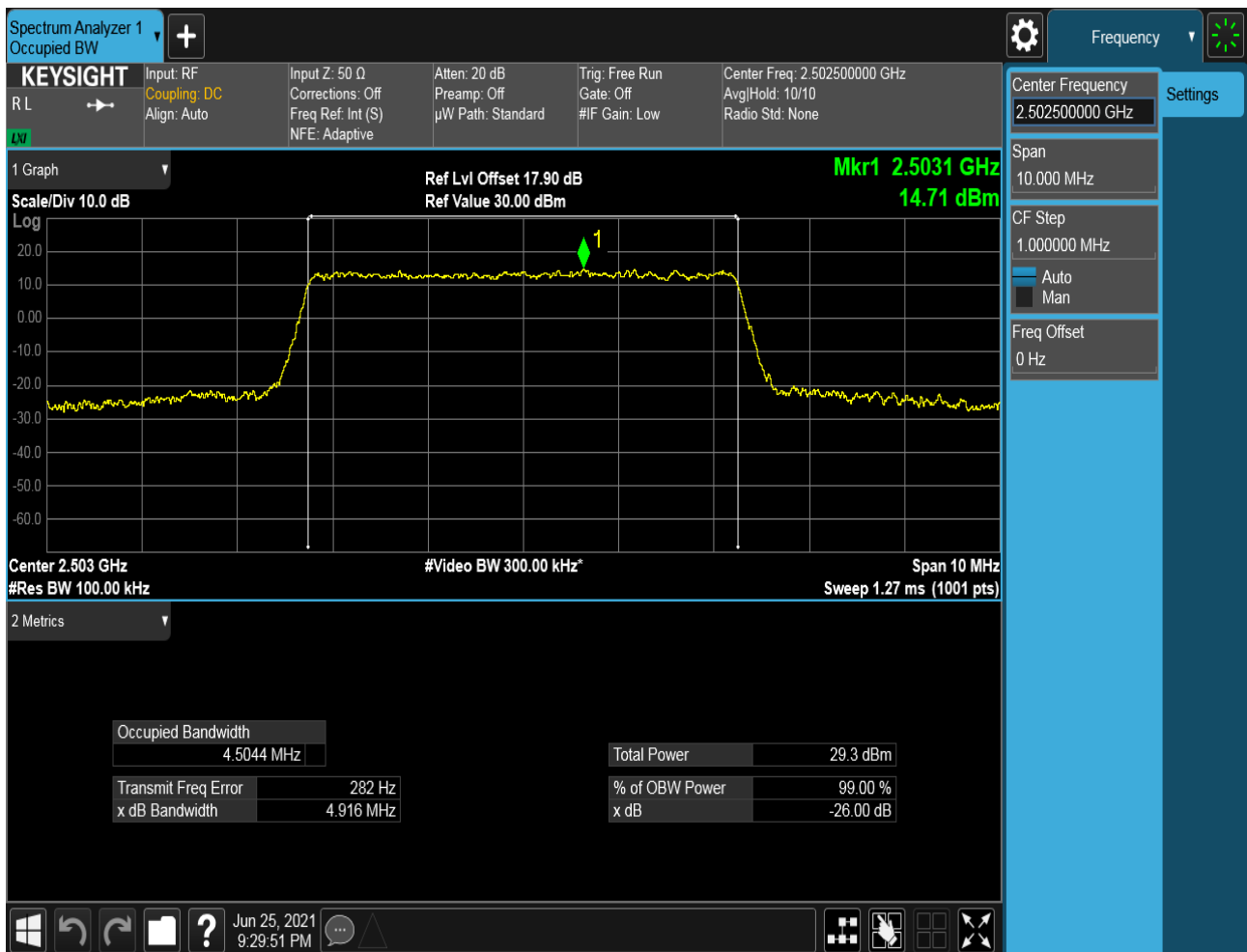


#### 4.1.1.2 Test Mode = LTE/TM2

##### 4.1.1.2.1 Test Bandwidth = 5MHz

##### 4.1.1.2.1.1 Test Channel = LCH

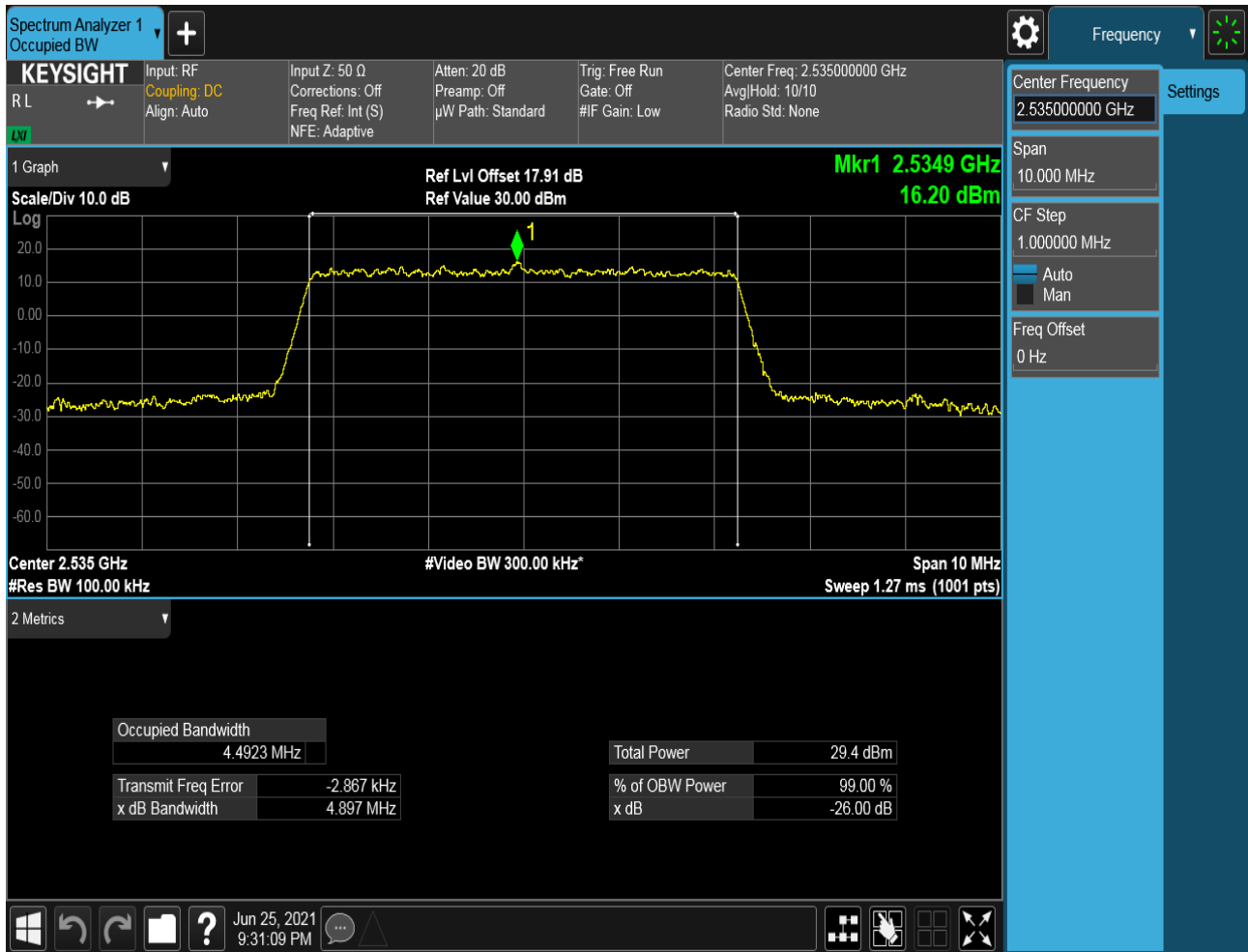
##### 4.1.1.2.1.1.1 Test RB = RB25#0





## 4.1.1.2.1.2 Test Channel = MCH

## 4.1.1.2.1.2.1 Test RB = RB25#0





## 4.1.1.2.1.3 Test Channel = HCH

## 4.1.1.2.1.3.1 Test RB = RB25#0

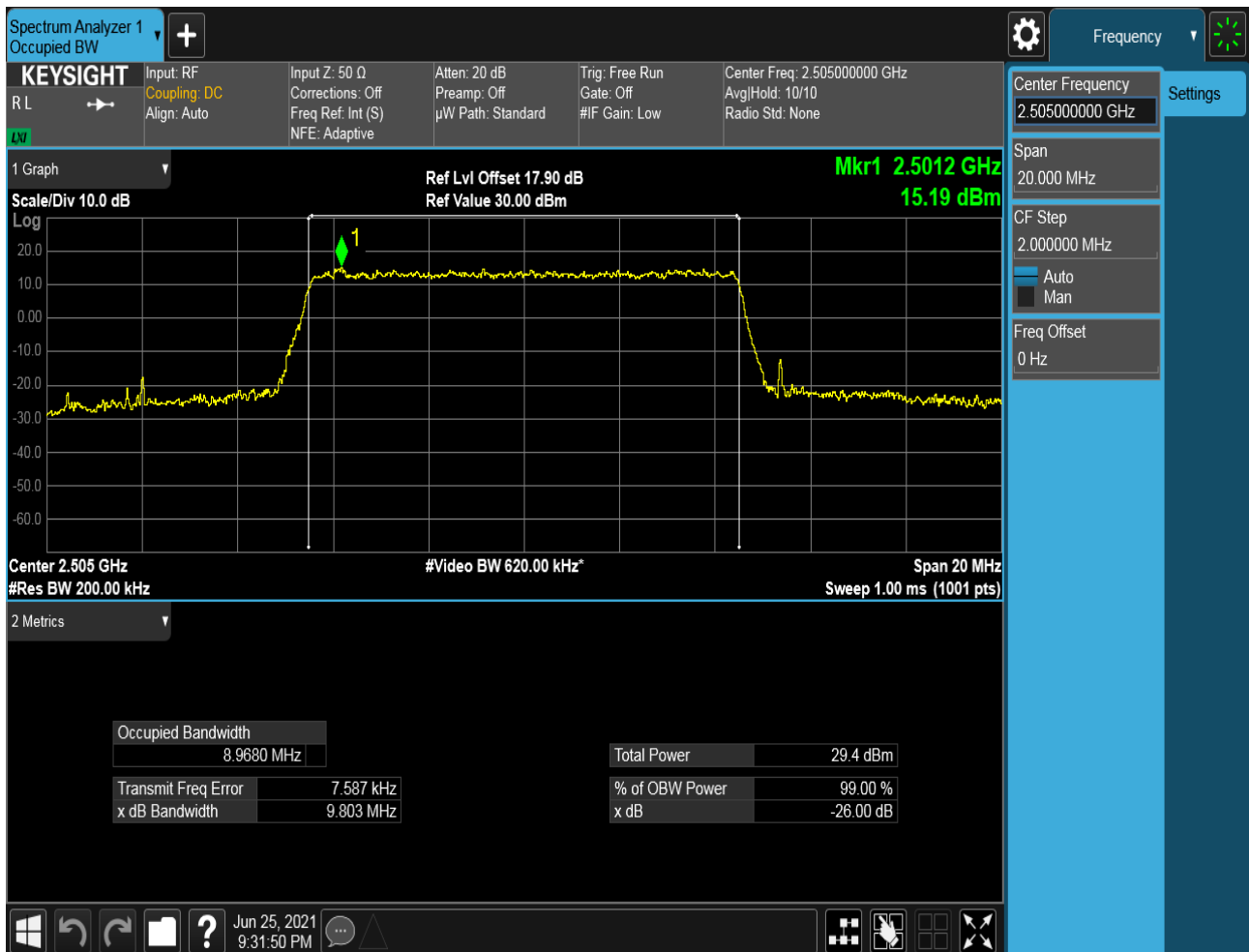




#### 4.1.1.2.2 Test Bandwidth = 10MHz

##### 4.1.1.2.2.1 Test Channel = LCH

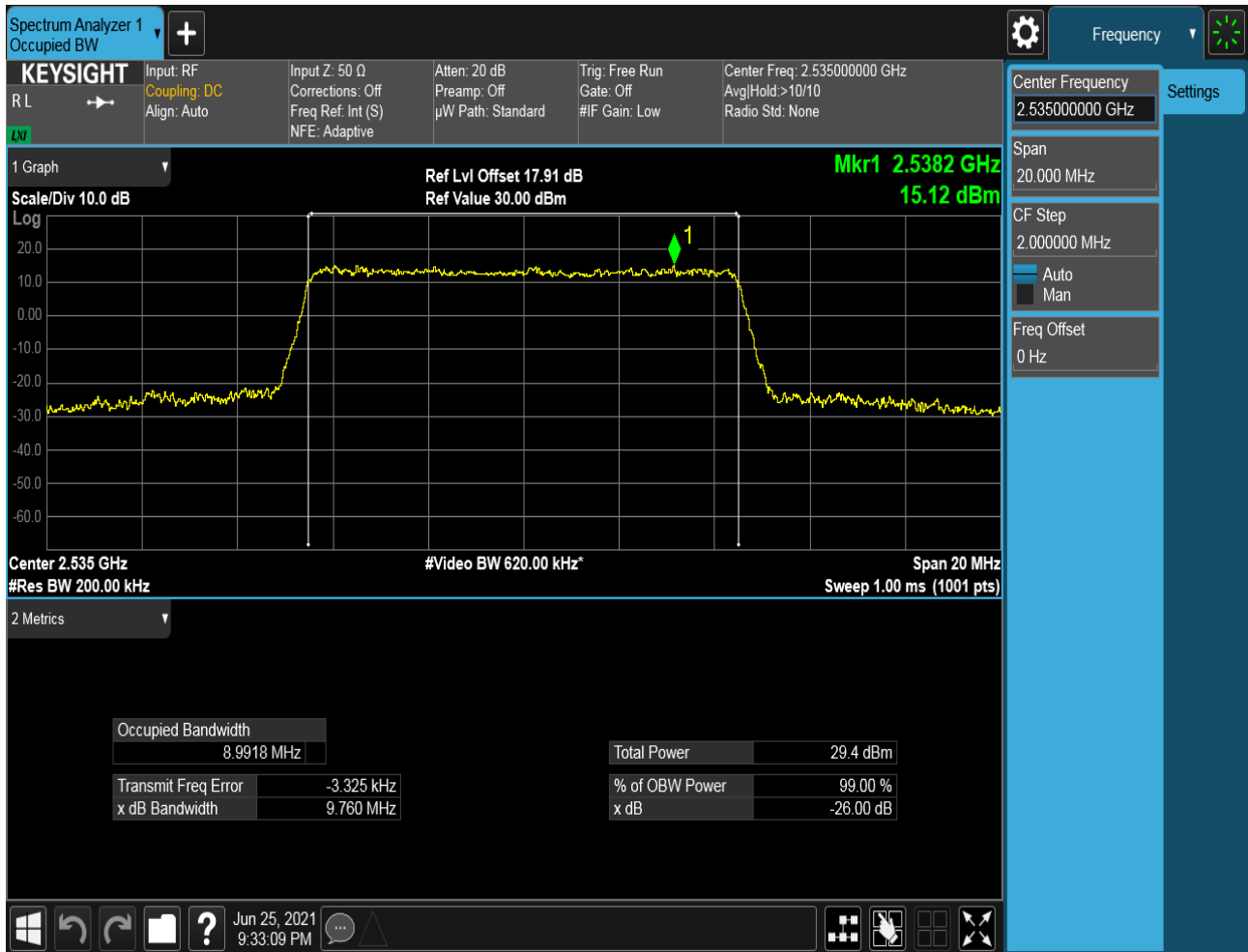
##### 4.1.1.2.2.1.1 Test RB = RB50#0





## 4.1.1.2.2.2 Test Channel = MCH

## 4.1.1.2.2.1 Test RB = RB50#0





## 4.1.1.2.2.3 Test Channel = HCH

## 4.1.1.2.2.3.1 Test RB = RB50#0

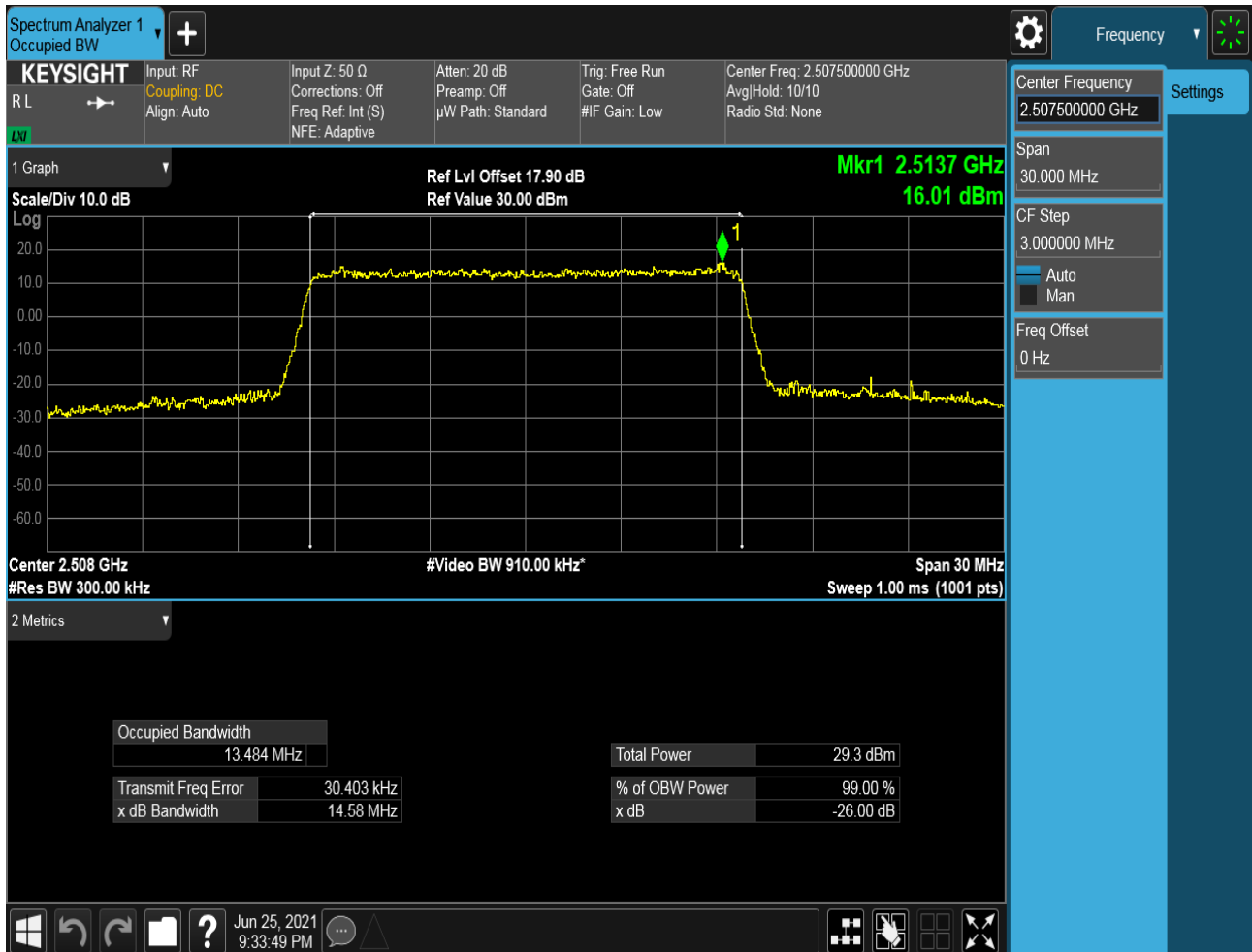




#### 4.1.1.2.3 Test Bandwidth = 15MHz

##### 4.1.1.2.3.1 Test Channel = LCH

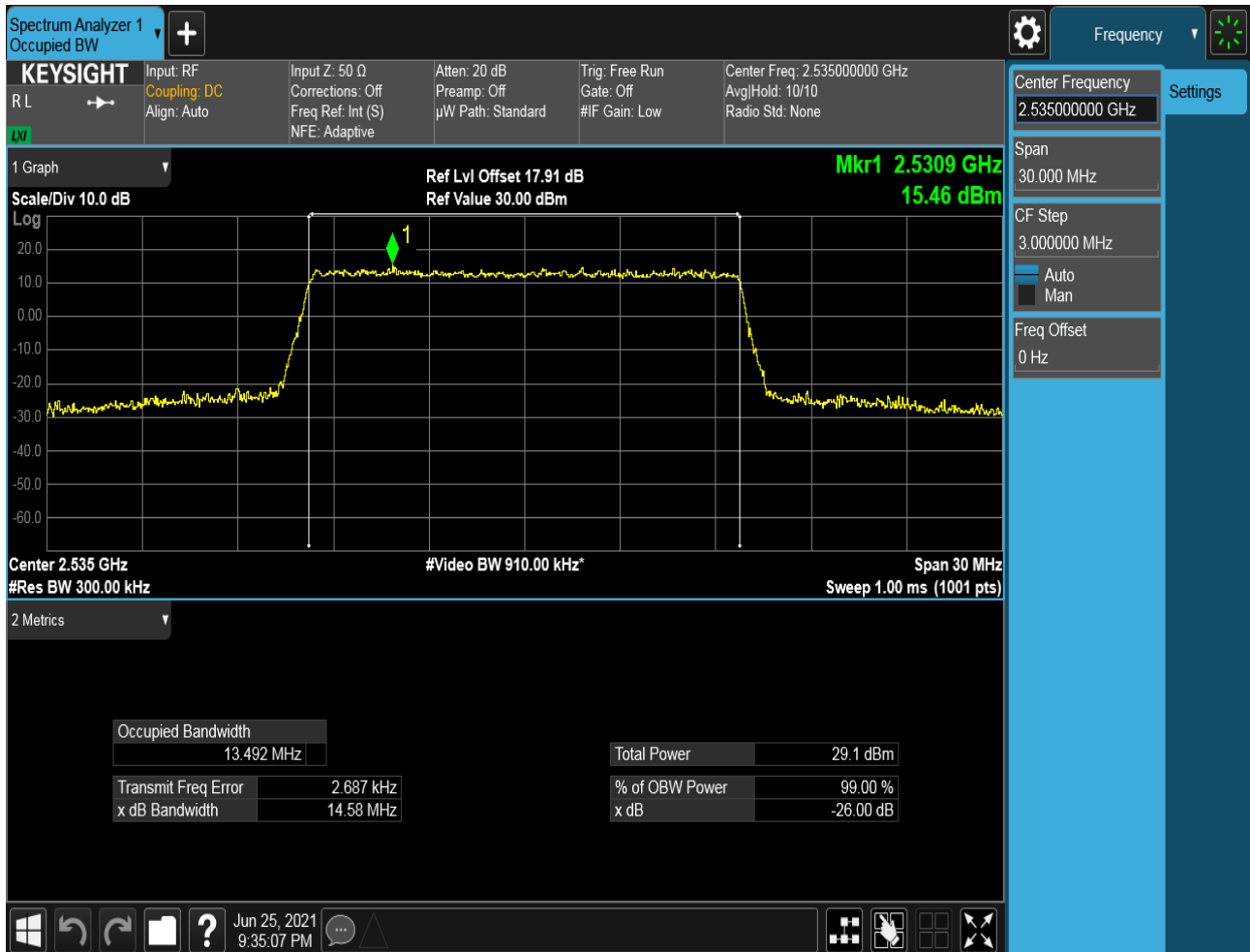
##### 4.1.1.2.3.1.1 Test RB = RB75#0





## 4.1.1.2.3.2 Test Channel = MCH

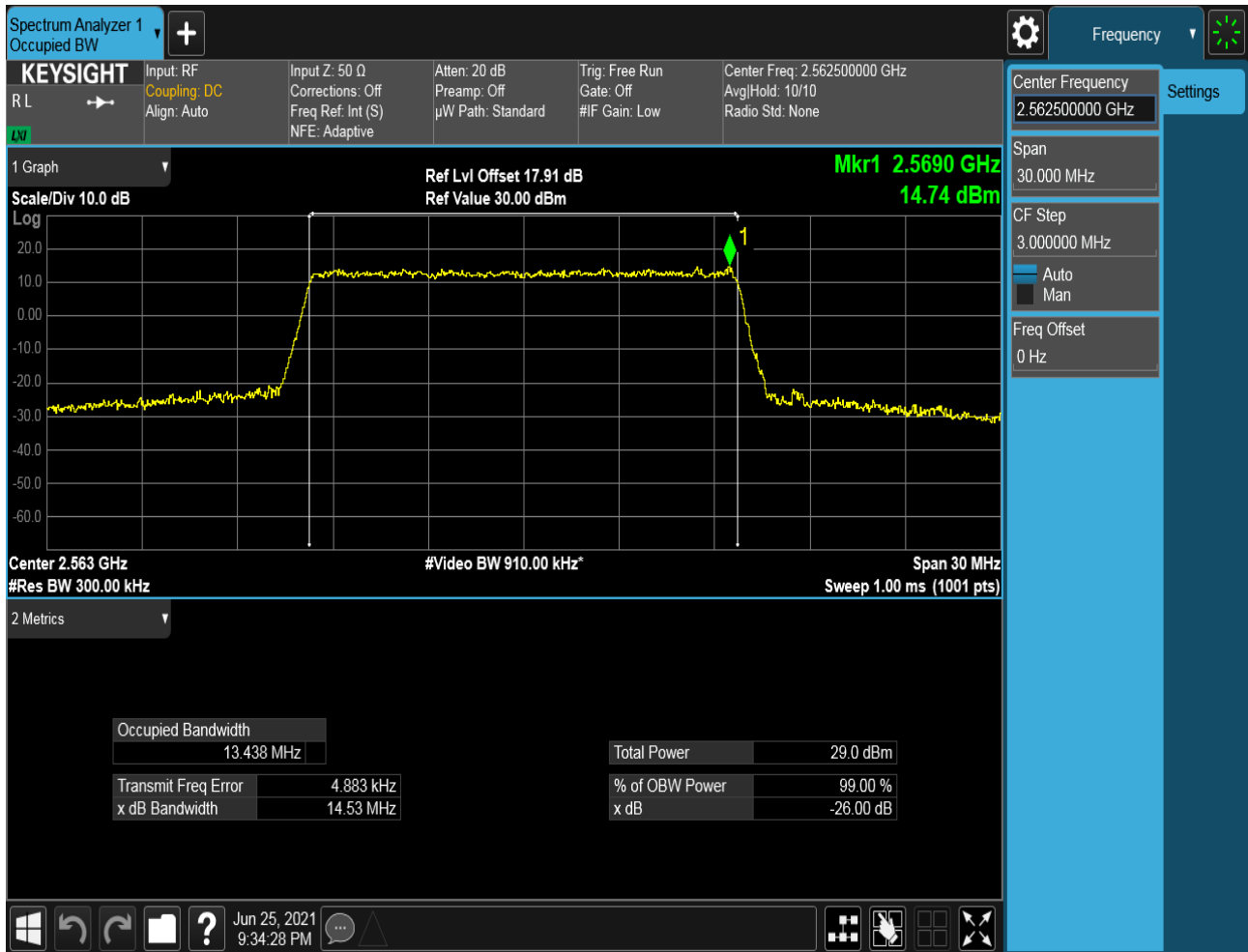
## 4.1.1.2.3.2.1 Test RB = RB75#0





## 4.1.1.2.3.3 Test Channel = HCH

## 4.1.1.2.3.3.1 Test RB = RB75#0

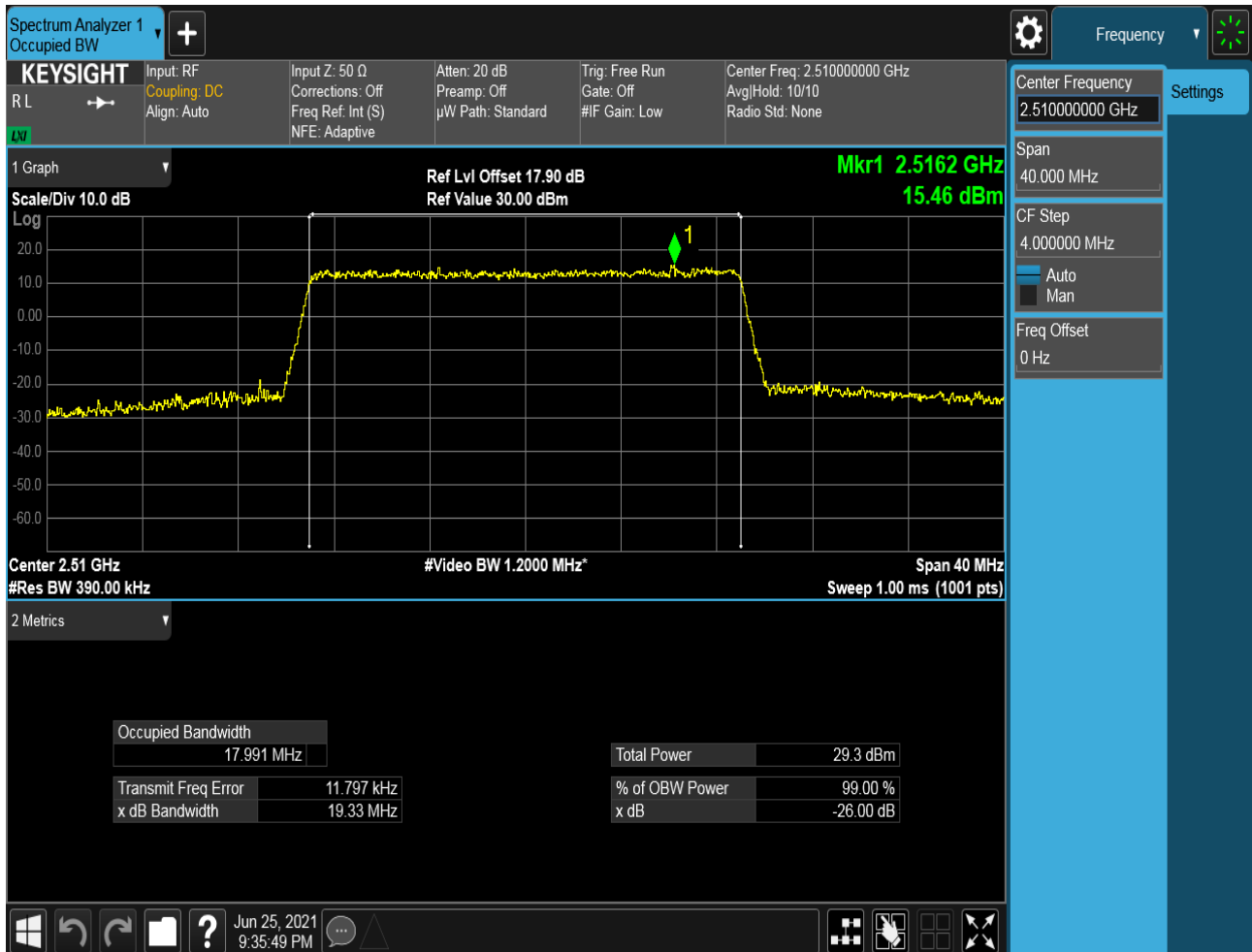




#### 4.1.1.2.4 Test Bandwidth = 20MHz

##### 4.1.1.2.4.1 Test Channel = LCH

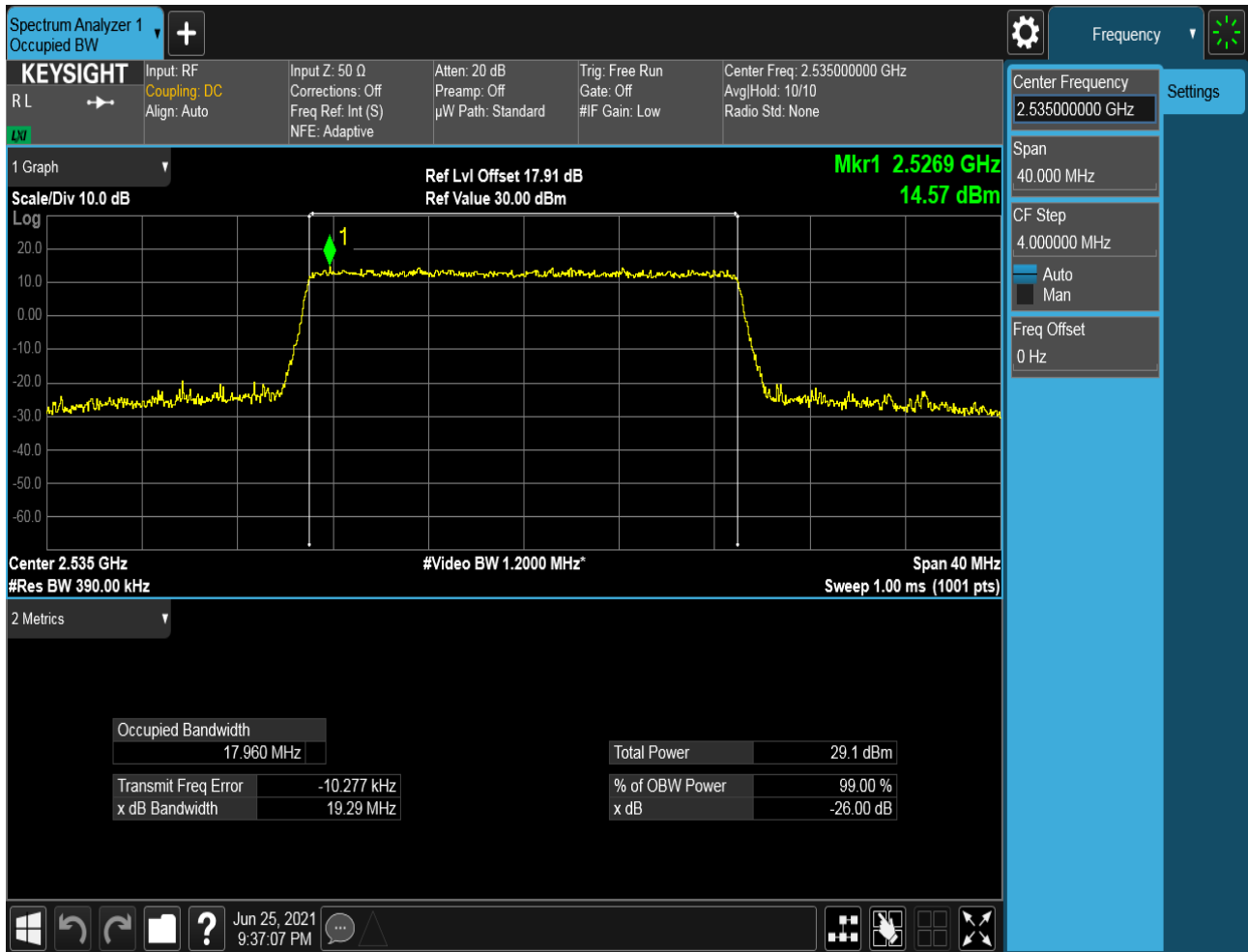
##### 4.1.1.2.4.1.1 Test RB = RB100#0





## 4.1.1.2.4.2 Test Channel = MCH

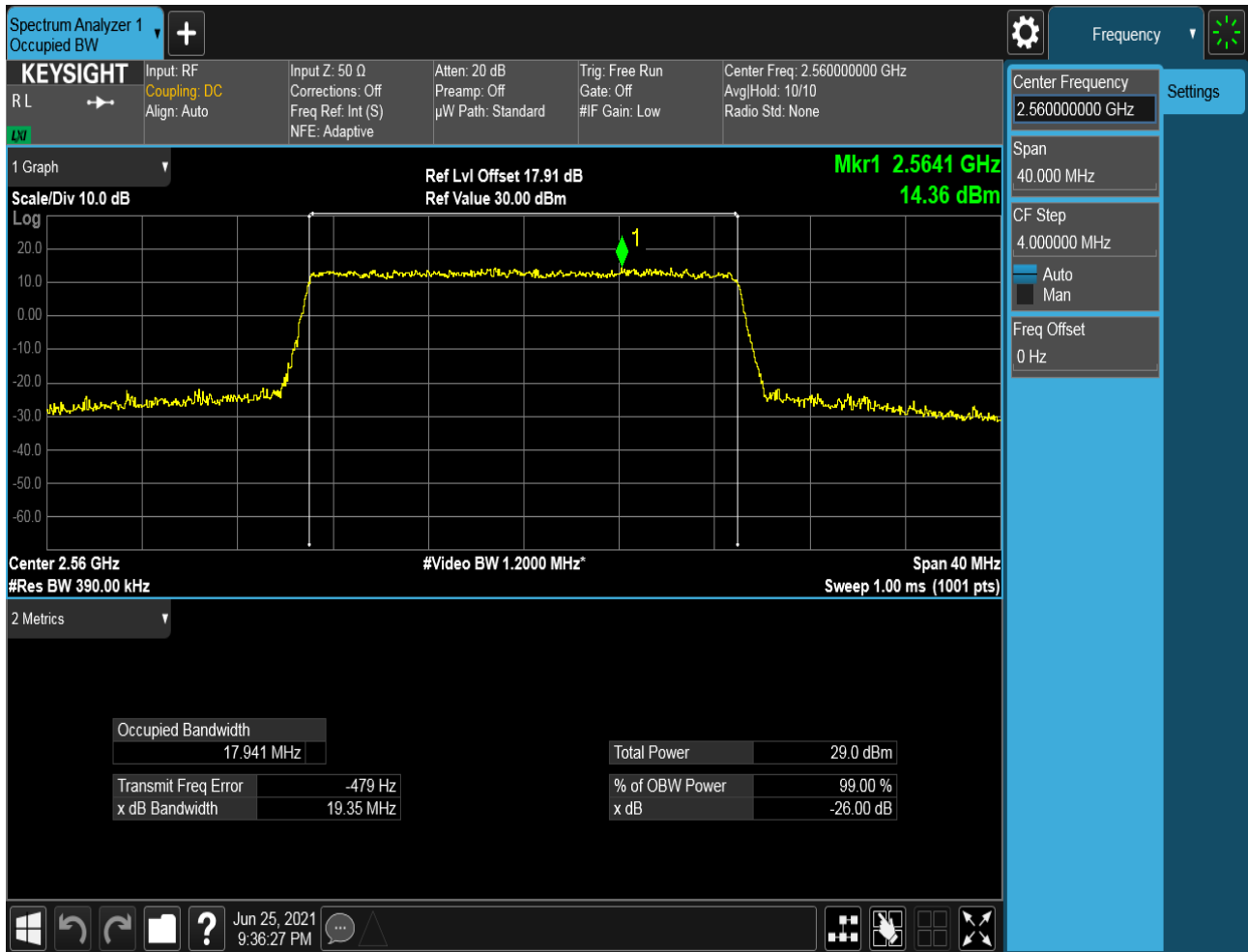
## 4.1.1.2.4.2.1 Test RB = RB100#0





## 4.1.1.2.4.3 Test Channel = HCH

## 4.1.1.2.4.3.1 Test RB = RB100#0



## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

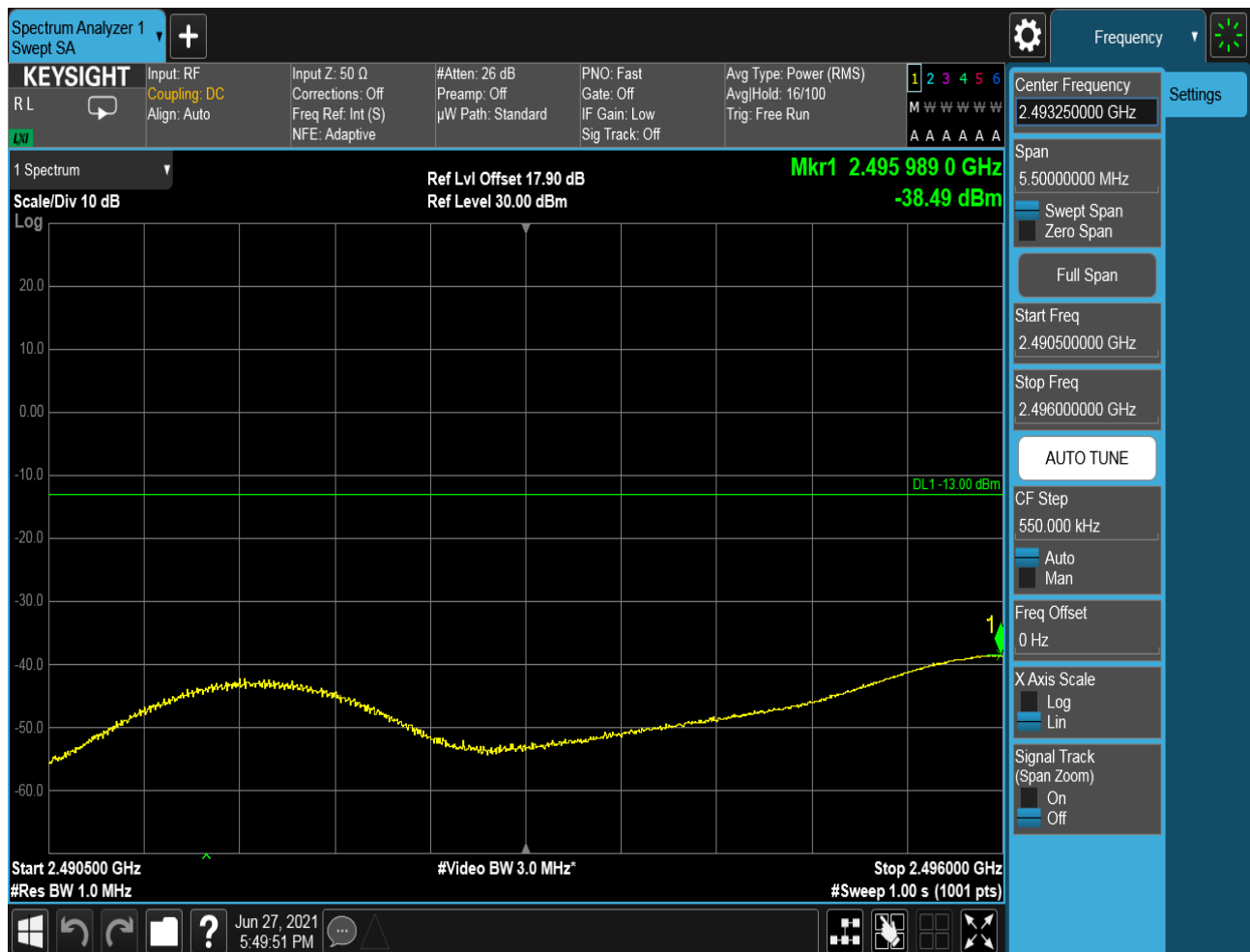
##### 5.1.1 Test Band = Band7

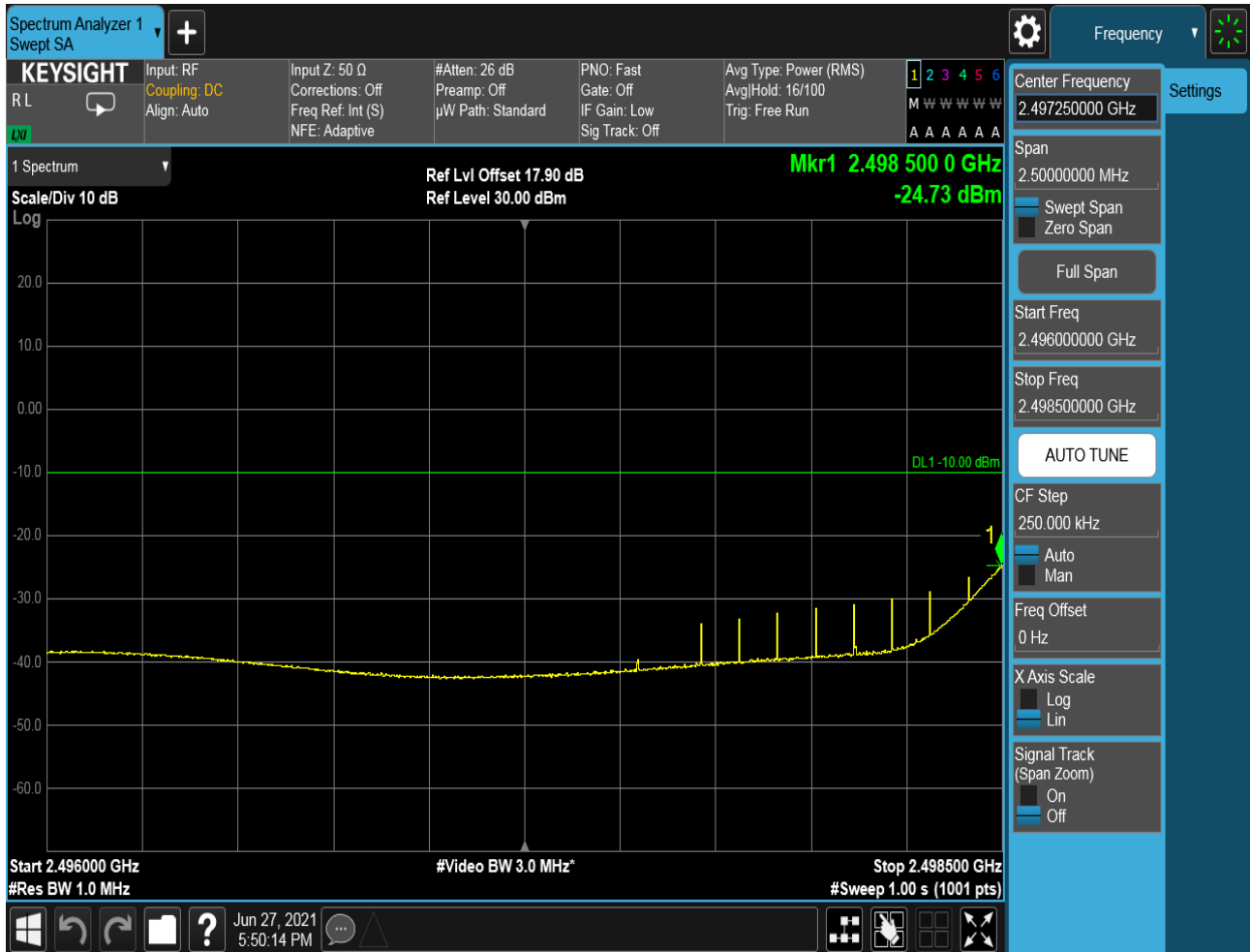
##### 5.1.1.1 Test Mode = LTE/TM1

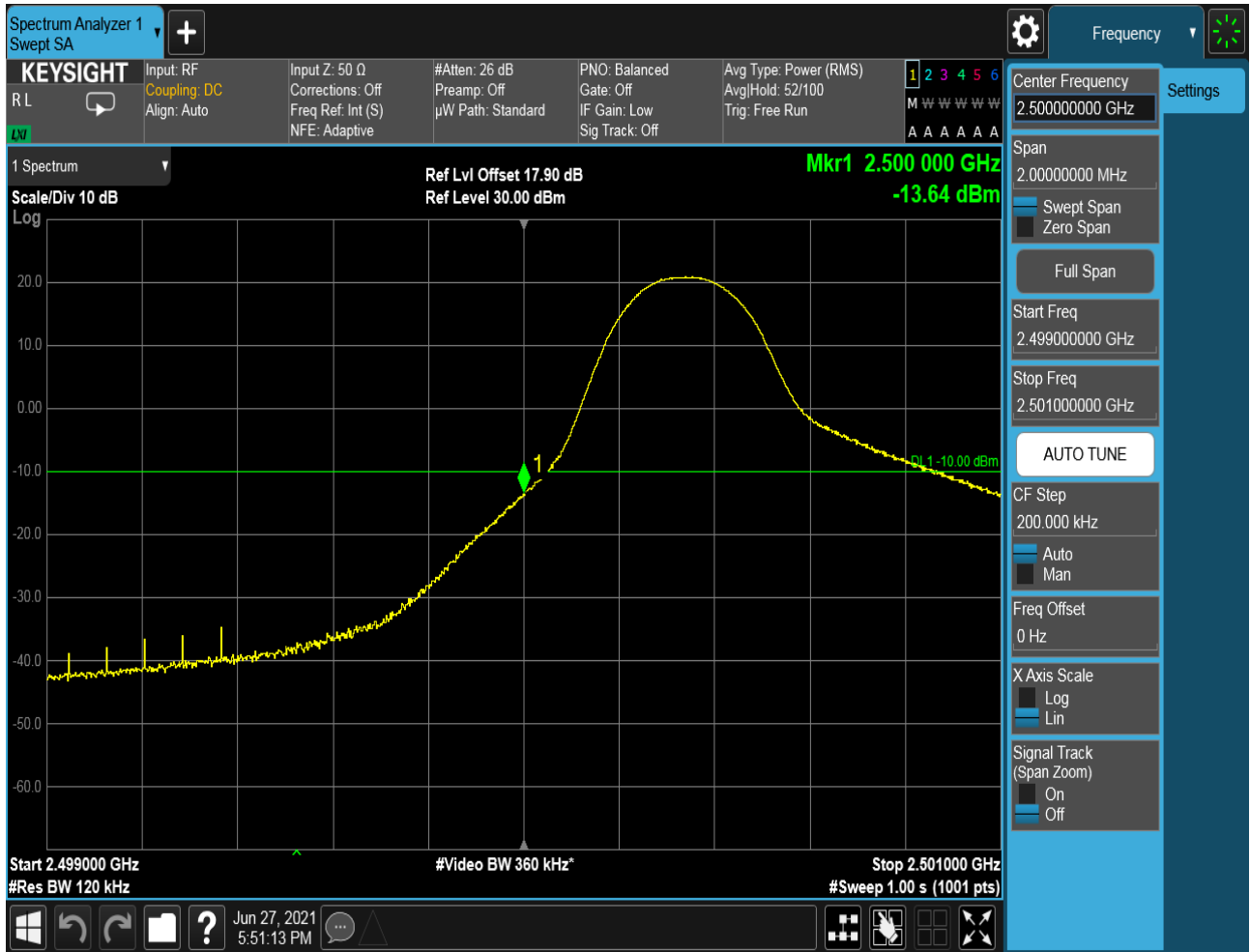
##### 5.1.1.1.1 Test Bandwidth = 5MHz

##### 5.1.1.1.1.1 Test Channel = LCH

##### 5.1.1.1.1.1.1 Test RB = RB1#0

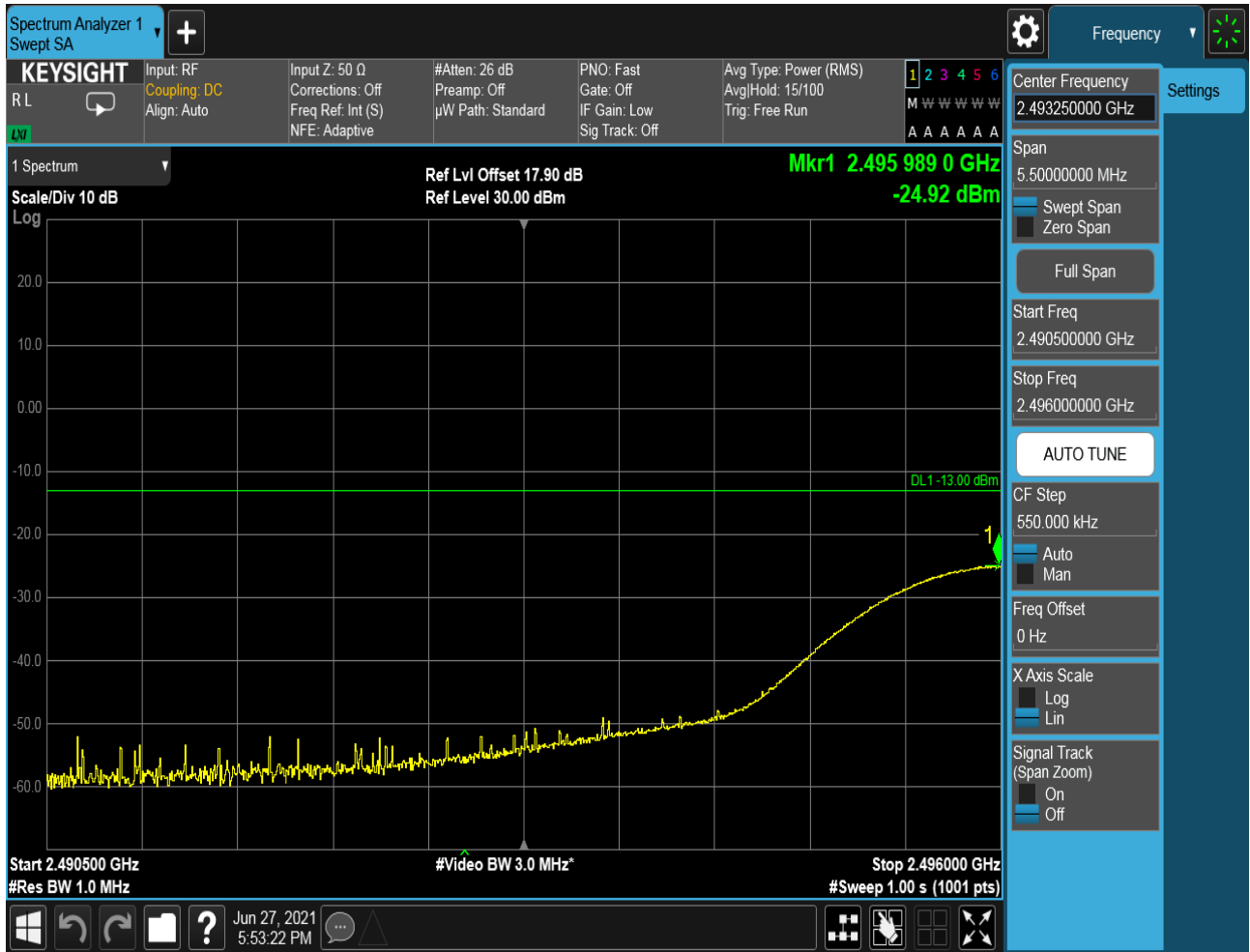




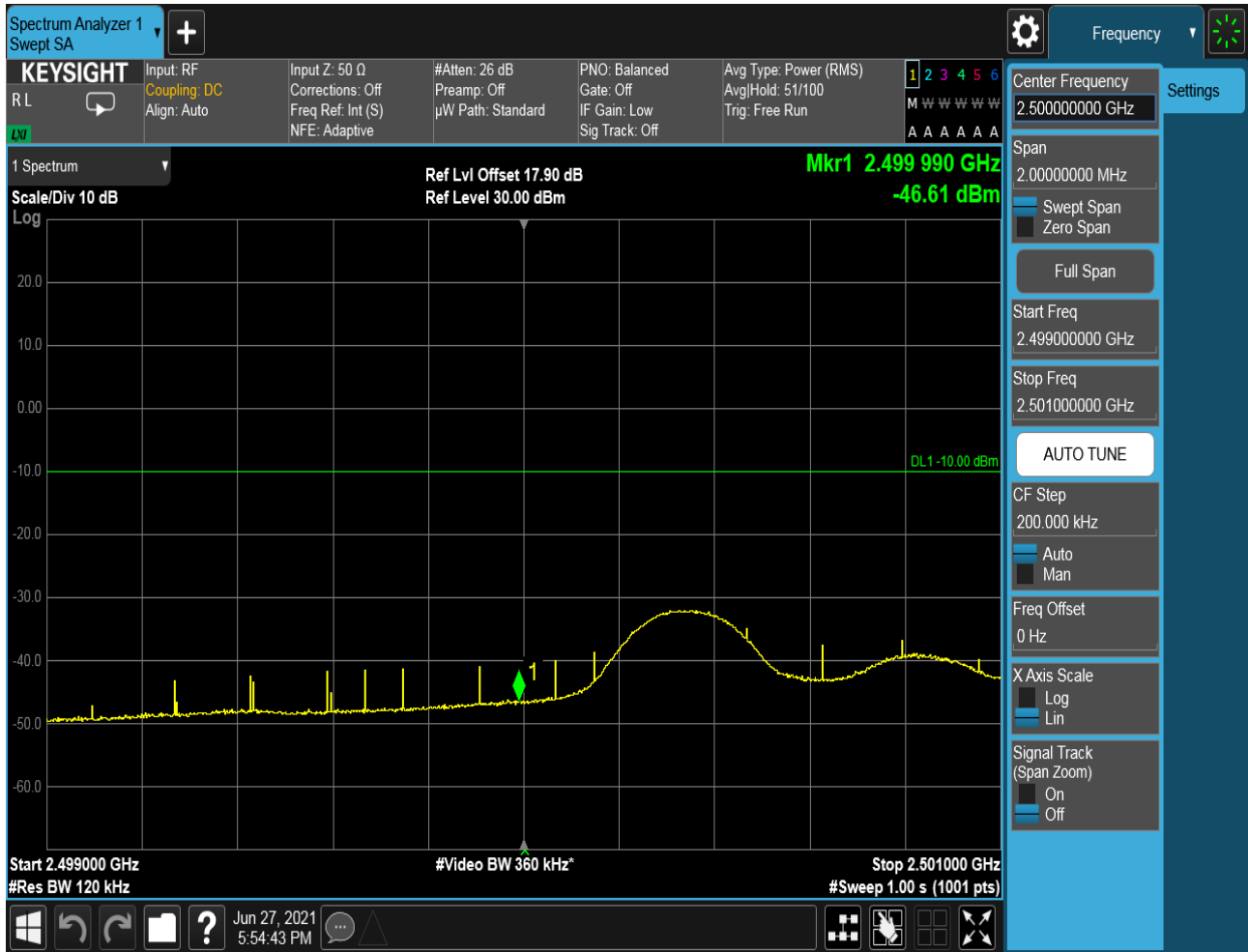




## 5.1.1.1.1.2 Test RB = RB1#24









## 5.1.1.1.1.3 Test RB = RB12#6



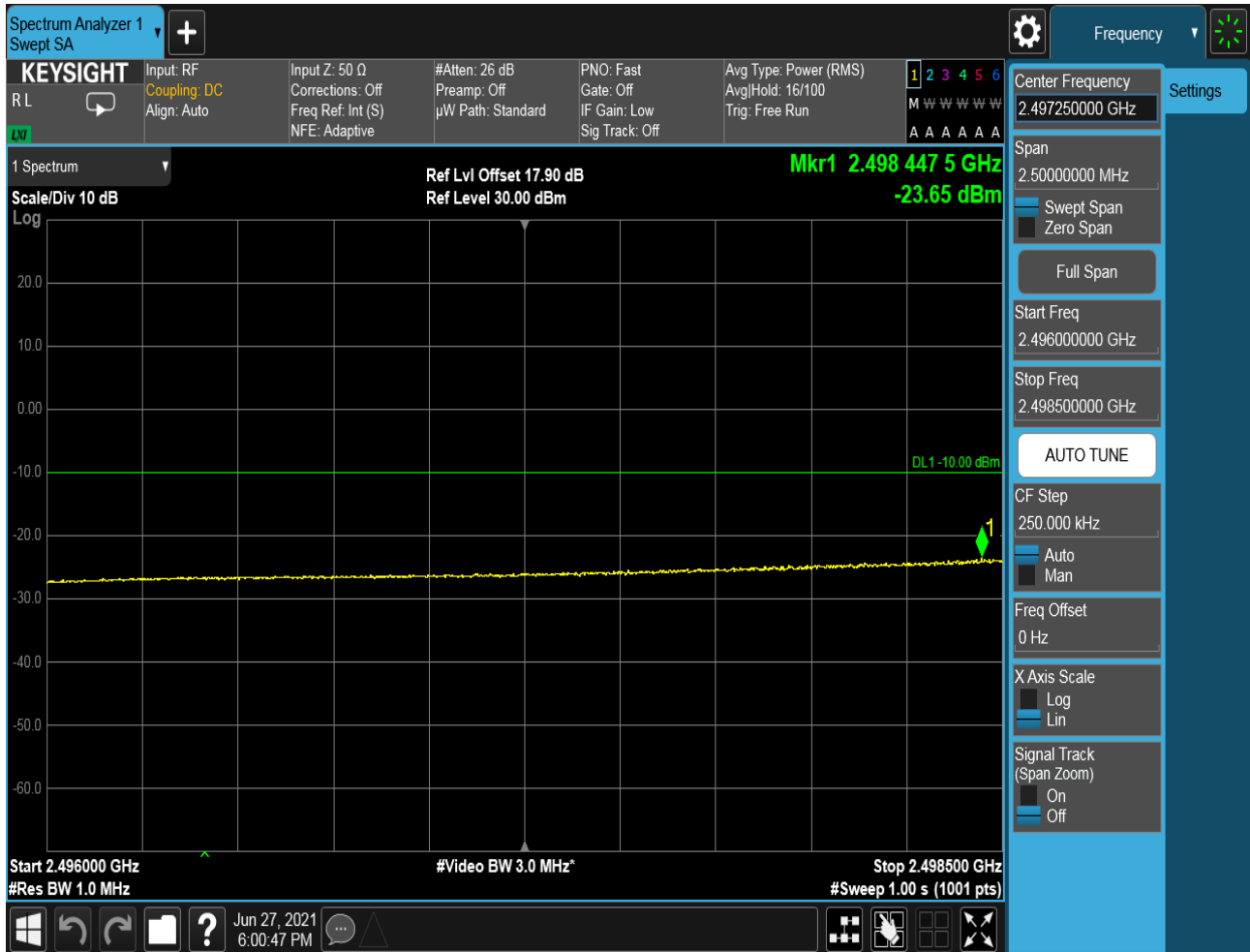


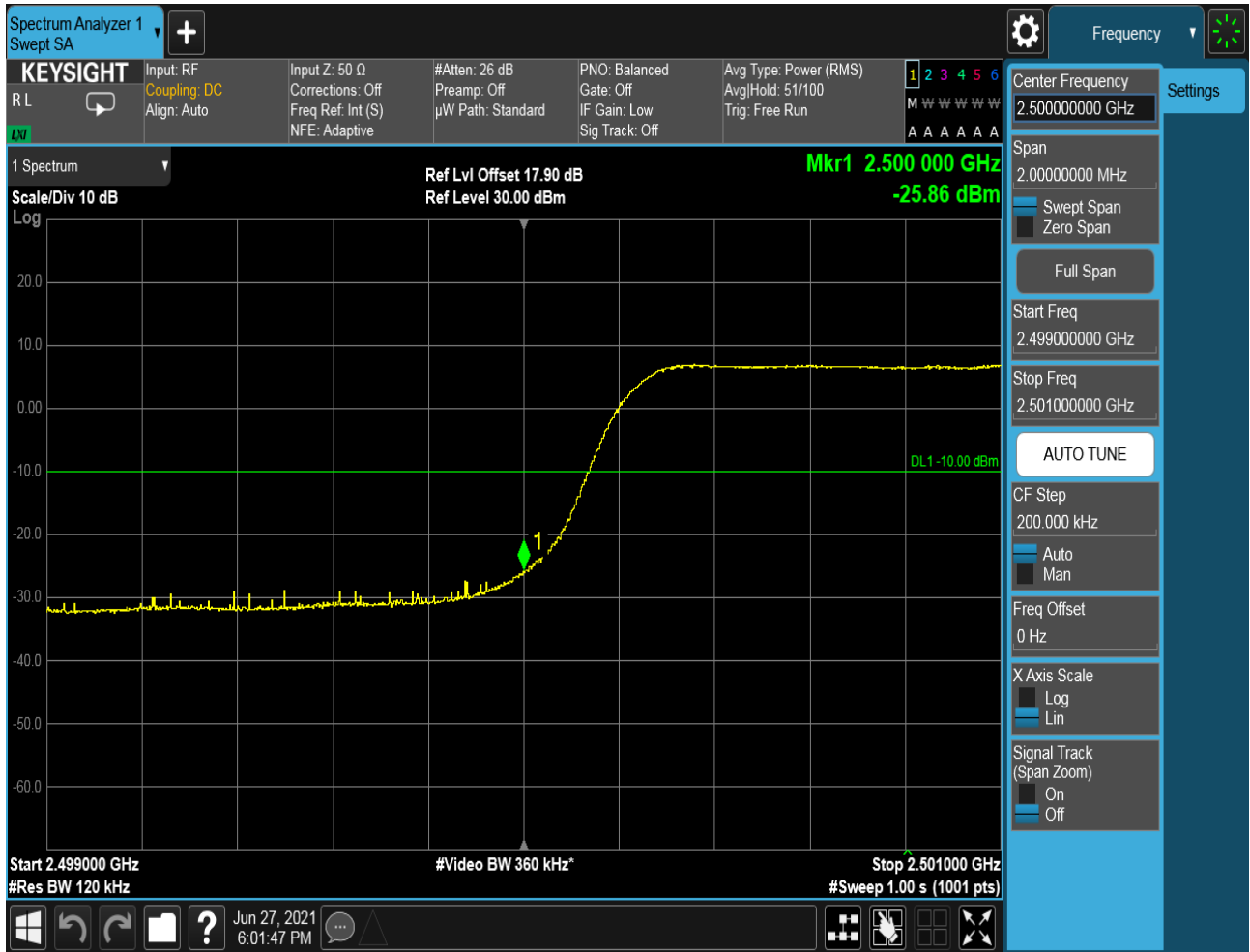




## 5.1.1.1.1.4 Test RB = RB25#0



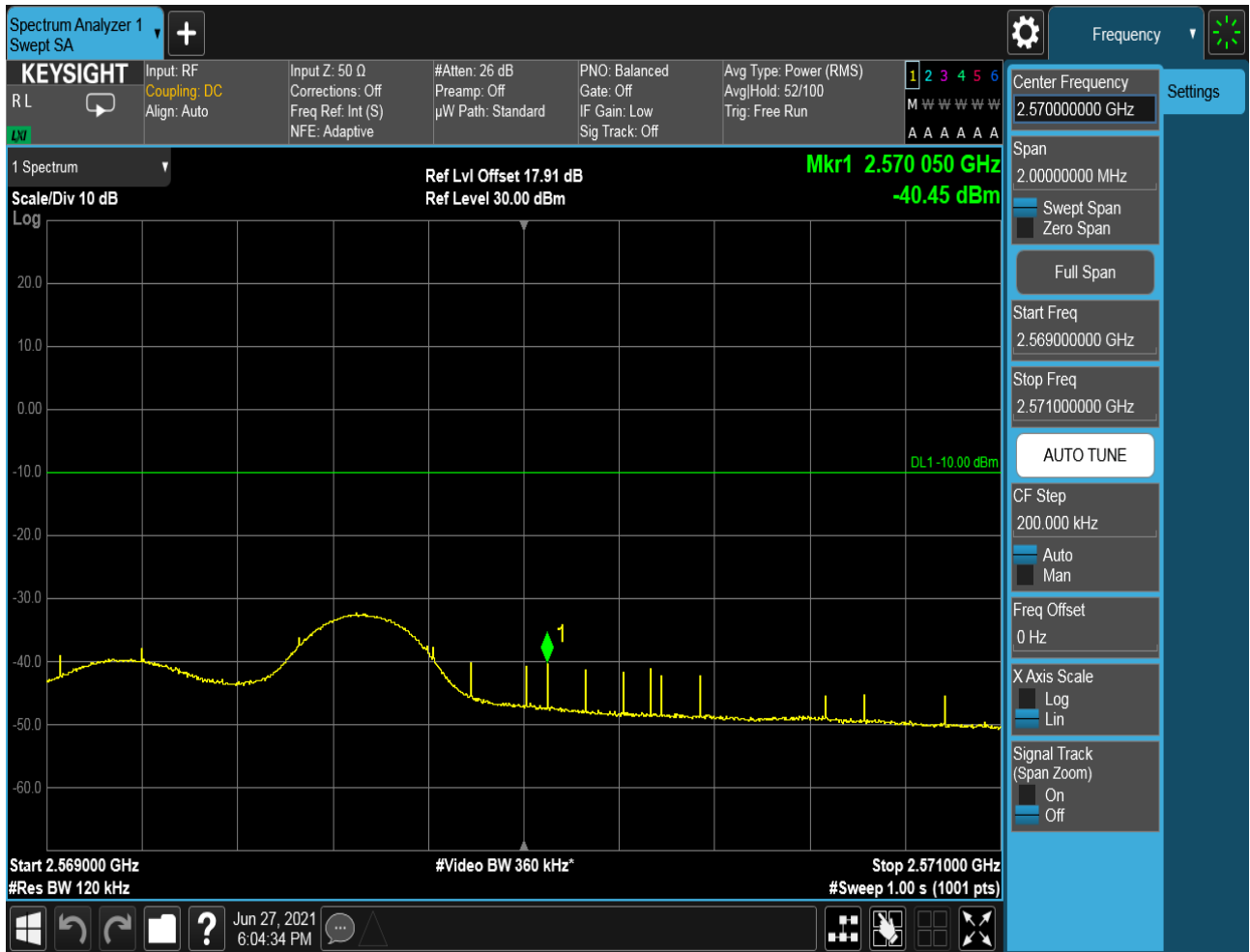


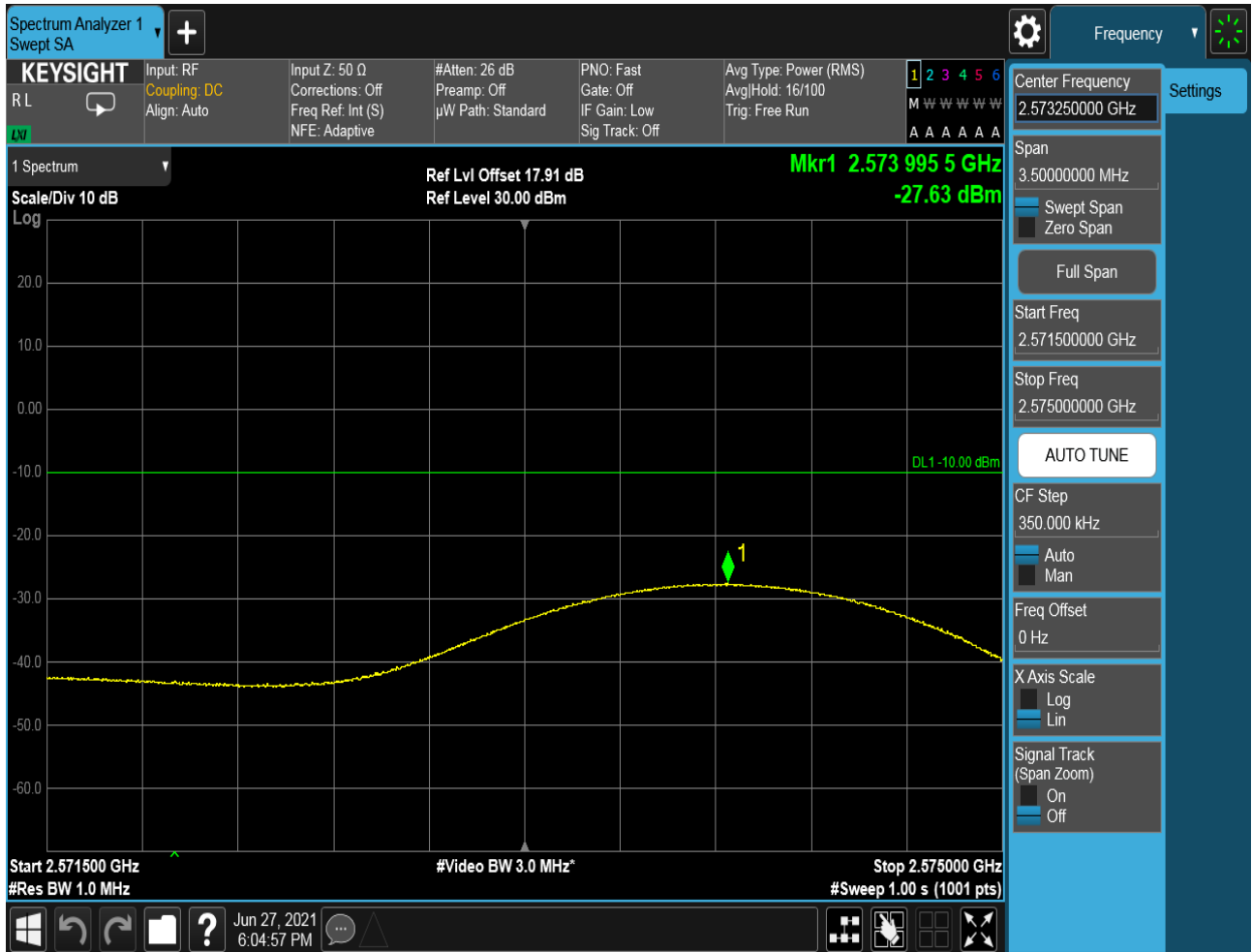


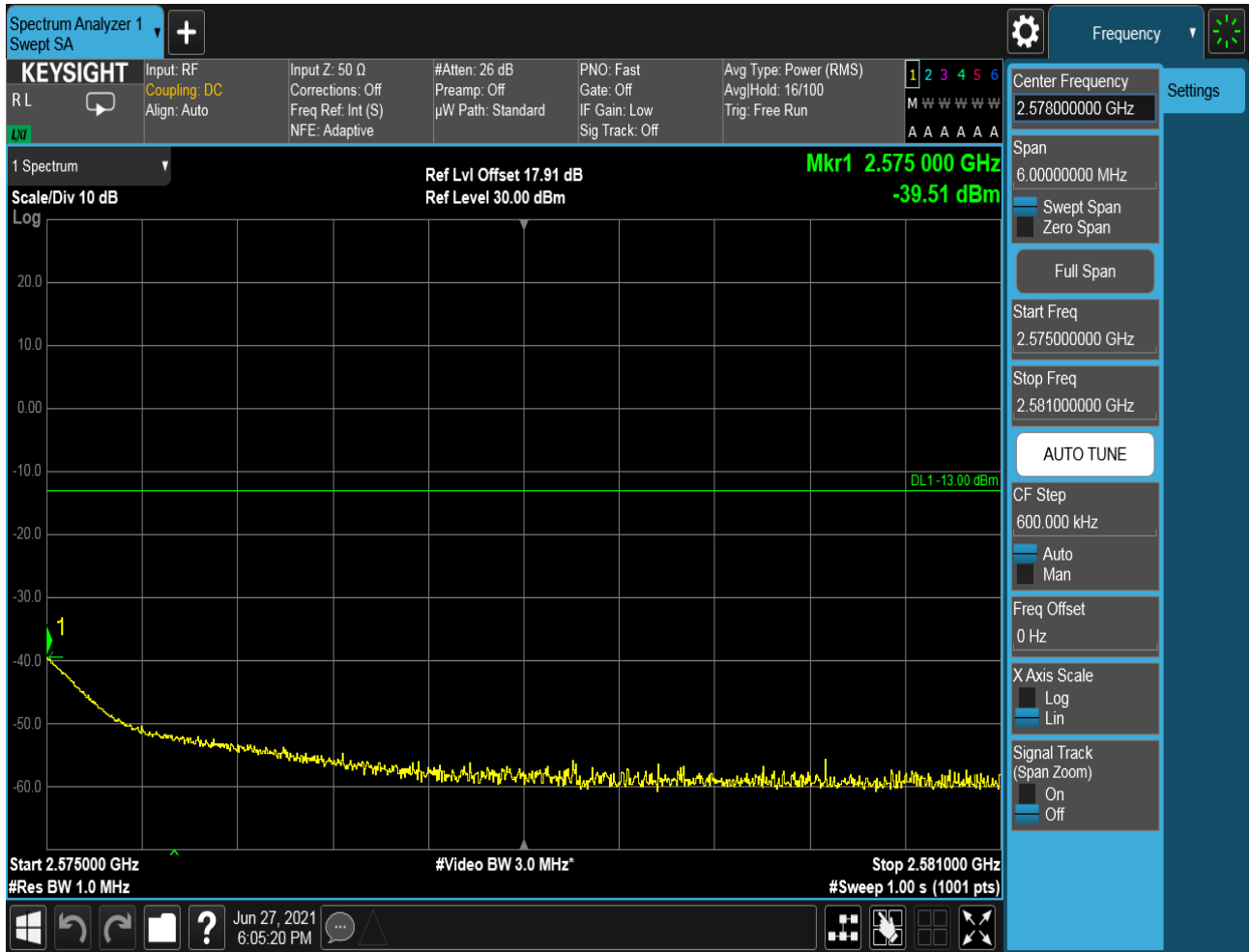


## 5.1.1.1.1.2 Test Channel = HCH

## 5.1.1.1.1.2.1 Test RB = RB1#0









## 5.1.1.1.2.2 Test RB = RB1#24

