



# 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 |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
| Band38         | LTE/TM1   | 5              | LCH          | RB1#0   | 23.01         | 22.11      | 33          | PASS    |
|                |           |                |              | RB1#13  | 23.12         | 22.22      | 33          | PASS    |
|                |           |                |              | RB1#24  | 23.00         | 22.10      | 33          | PASS    |
|                |           |                |              | RB12#0  | 22.08         | 21.18      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22.16         | 21.26      | 33          | PASS    |
|                |           |                |              | RB12#13 | 22.08         | 21.18      | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.10         | 21.20      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 23.04         | 22.14      | 33          | PASS    |
|                |           |                |              | RB1#13  | 23.24         | 22.34      | 33          | PASS    |
|                |           |                |              | RB1#24  | 23.05         | 22.15      | 33          | PASS    |
|                |           |                |              | RB12#0  | 22.11         | 21.21      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22.16         | 21.26      | 33          | PASS    |
|                |           |                |              | RB12#13 | 22.09         | 21.19      | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.06         | 21.16      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 23.13         | 22.23      | 33          | PASS    |
|                |           |                |              | RB1#13  | 23.30         | 22.40      | 33          | PASS    |
|                |           |                |              | RB1#24  | 23.11         | 22.21      | 33          | PASS    |
|                |           |                |              | RB12#0  | 22.23         | 21.33      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22.22         | 21.32      | 33          | PASS    |
|                |           |                |              | RB12#13 | 22.20         | 21.30      | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.18         | 21.28      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 23.15         | 22.25      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.39         | 22.49      | 33          | PASS    |
|                |           |                |              | RB1#49  | 23.14         | 22.24      | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.16         | 21.26      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.10         | 21.20      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.13         | 21.23      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.13         | 21.23      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 23.12         | 22.22      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.42         | 22.52      | 33          | PASS    |
|                |           |                |              | RB1#49  | 23.11         | 22.21      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB25#0  | 22.14         | 21.24      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.12         | 21.22      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.14         | 21.24      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.13         | 21.23      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.22         | 22.32      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.56         | 22.66      | 33          | PASS    |
|                |           |                |              | RB1#49  | 23.25         | 22.35      | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.21         | 21.31      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.21         | 21.31      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.25         | 21.35      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.22         | 21.32      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 23.04         | 22.14      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.16         | 22.26      | 33          | PASS    |
|                |           |                |              | RB1#74  | 23.03         | 22.13      | 33          | PASS    |
|                |           |                |              | RB38#0  | 22.22         | 21.32      | 33          | PASS    |
|                |           |                |              | RB38#19 | 22.22         | 21.32      | 33          | PASS    |
|                |           |                |              | RB38#39 | 22.17         | 21.27      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB75#0  | 22.19         | 21.29      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.98         | 22.08      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.14         | 22.24      | 33          | PASS    |
|                |           |                |              | RB1#74  | 23.04         | 22.14      | 33          | PASS    |
|                |           |                |              | RB38#0  | 22.18         | 21.28      | 33          | PASS    |
|                |           |                |              | RB38#19 | 22.21         | 21.31      | 33          | PASS    |
|                |           |                |              | RB38#39 | 22.16         | 21.26      | 33          | PASS    |
|                |           |                |              | RB75#0  | 22.23         | 21.33      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.10         | 22.20      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.23         | 22.33      | 33          | PASS    |
|                |           |                |              | RB1#74  | 23.12         | 22.22      | 33          | PASS    |
|                |           |                |              | RB38#0  | 22.19         | 21.29      | 33          | PASS    |
|                |           |                |              | RB38#19 | 22.25         | 21.35      | 33          | PASS    |
|                |           |                |              | RB38#39 | 22.23         | 21.33      | 33          | PASS    |
|                |           |                |              | RB75#0  | 22.22         | 21.32      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.83         | 21.93      | 33          | PASS    |
|                |           |                |              | RB1#50  | 23.34         | 22.44      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#99  | 22.77         | 21.87      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.13         | 21.23      | 33          | PASS    |
|                |           |                |              | RB50#25 | 22.09         | 21.19      | 33          | PASS    |
|                |           |                |              | RB50#50 | 22.03         | 21.13      | 33          | PASS    |
|                |           |                |              | RB100#0 | 22.07         | 21.17      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.84         | 21.94      | 33          | PASS    |
|                |           |                |              | RB1#50  | 23.40         | 22.50      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.87         | 21.97      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.09         | 21.19      | 33          | PASS    |
|                |           |                |              | RB50#25 | 22.10         | 21.20      | 33          | PASS    |
|                |           |                |              | RB50#50 | 22.11         | 21.21      | 33          | PASS    |
|                |           |                |              | RB100#0 | 22.12         | 21.22      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.97         | 22.07      | 33          | PASS    |
|                |           |                |              | RB1#50  | 23.50         | 22.60      | 33          | PASS    |
|                |           |                |              | RB1#99  | 23.00         | 22.10      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.16         | 21.26      | 33          | PASS    |
|                |           |                |              | RB50#25 | 22.18         | 21.28      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB50#50 | 22.19         | 21.29      | 33          | PASS    |
|                |           |                |              | RB100#0 | 22.18         | 21.28      | 33          | PASS    |
|                | LTE/TM2   | 5              | LCH          | RB1#0   | 22.15         | 21.25      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.32         | 21.42      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.17         | 21.27      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.14         | 20.24      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.20         | 20.30      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.09         | 20.19      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.10         | 20.20      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.34         | 21.44      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.50         | 21.60      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.34         | 21.44      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.17         | 20.27      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.24         | 20.34      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.15         | 20.25      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.11         | 20.21      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.35         | 21.45      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#13  | 22.50         | 21.60      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.31         | 21.41      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.18         | 20.28      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.18         | 20.28      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.16         | 20.26      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.19         | 20.29      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.45         | 21.55      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.73         | 21.83      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.47         | 21.57      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.15         | 20.25      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.11         | 20.21      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.12         | 20.22      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.14         | 20.24      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.31         | 21.41      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.61         | 21.71      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.35         | 21.45      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.17         | 20.27      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB25#13 | 21.14         | 20.24      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.13         | 20.23      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.15         | 20.25      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.51         | 21.61      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.82         | 21.92      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.55         | 21.65      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.23         | 20.33      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.23         | 20.33      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.24         | 20.34      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.23         | 20.33      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 22.39         | 21.49      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.50         | 21.60      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.39         | 21.49      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.12         | 20.22      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.12         | 20.22      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.09         | 20.19      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.16         | 20.26      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                | MCH          | RB1#0   | 22.20         | 21.30      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.39         | 21.49      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.28         | 21.38      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.08         | 20.18      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.13         | 20.23      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.12         | 20.22      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.13         | 20.23      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.33         | 21.43      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.43         | 21.53      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.34         | 21.44      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.16         | 20.26      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.22         | 20.32      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.23         | 20.33      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.17         | 20.27      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 21.95         | 21.05      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.44         | 21.54      | 33          | PASS    |
|                |           |                |              | RB1#99  | 21.97         | 21.07      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB50#0  | 21.11         | 20.21      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.10         | 20.20      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.03         | 20.13      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.11         | 20.21      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.08         | 21.18      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.60         | 21.70      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.12         | 21.22      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.10         | 20.20      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.10         | 20.20      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.08         | 20.18      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.11         | 20.21      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.23         | 21.33      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.76         | 21.86      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.29         | 21.39      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.19         | 20.29      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.22         | 20.32      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.23         | 20.33      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB100#0 | 21.18         | 20.28      | 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 |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| Band38             | LTE/TM1   | 5                    | LCH          | RB1#0   | 4.10         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.05         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.08         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.01         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.66         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 3.99         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 3.96         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.04         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.90         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.77         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.98         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.99         | 13         | PASS    |
|                    |           | 10                   | HCH          | RB1#0   | 4.30         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.26         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.30         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.58         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.79         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 3.92         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.53         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.44         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.04         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.25         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.55         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.96         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      | HCH          | RB1#0   | 4.49         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.58         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.78         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.79         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.81         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.03         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 4.21         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.14         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.50         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.37         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.54         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.95         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.62         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.80         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.72         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.83         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.98         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.46         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.54         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.18         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.21         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.33         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.29         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 3.98         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.52         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.70         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.99         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.18         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 3.95         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.39         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.62         | 13         | PASS    |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB50#25 | 5.55         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.71         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.13         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.24         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.72         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.73         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.83         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.05         | 13         | PASS    |
|                    | LTE/TM1   | 5                    | LCH          | RB1#0   | 4.95         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.86         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.94         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.97         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.28         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.87         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.85         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.92         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.17         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.11         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.13         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.58         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.43         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.36         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.43         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.66         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.64         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.80         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.70         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.78         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.60         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.77         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.09         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.09         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.36         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.09         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#25  | 4.94         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.45         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.40         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.53         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.80         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.97         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.06         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.54         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.56         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.55         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.86         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 4.84         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.79         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.97         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.74         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.28         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.60         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.52         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.62         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 7.05         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.99         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.99         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.09         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.68         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.70         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.83         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 7.06         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 5.30         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.95         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.49         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.69         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.56         | 13         | PASS    |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB50#50 | 6.75         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.90         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.28         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.98         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.49         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.61         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.54         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.74         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.92         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.95         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.79         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.88         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.83         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.99         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 7.06         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

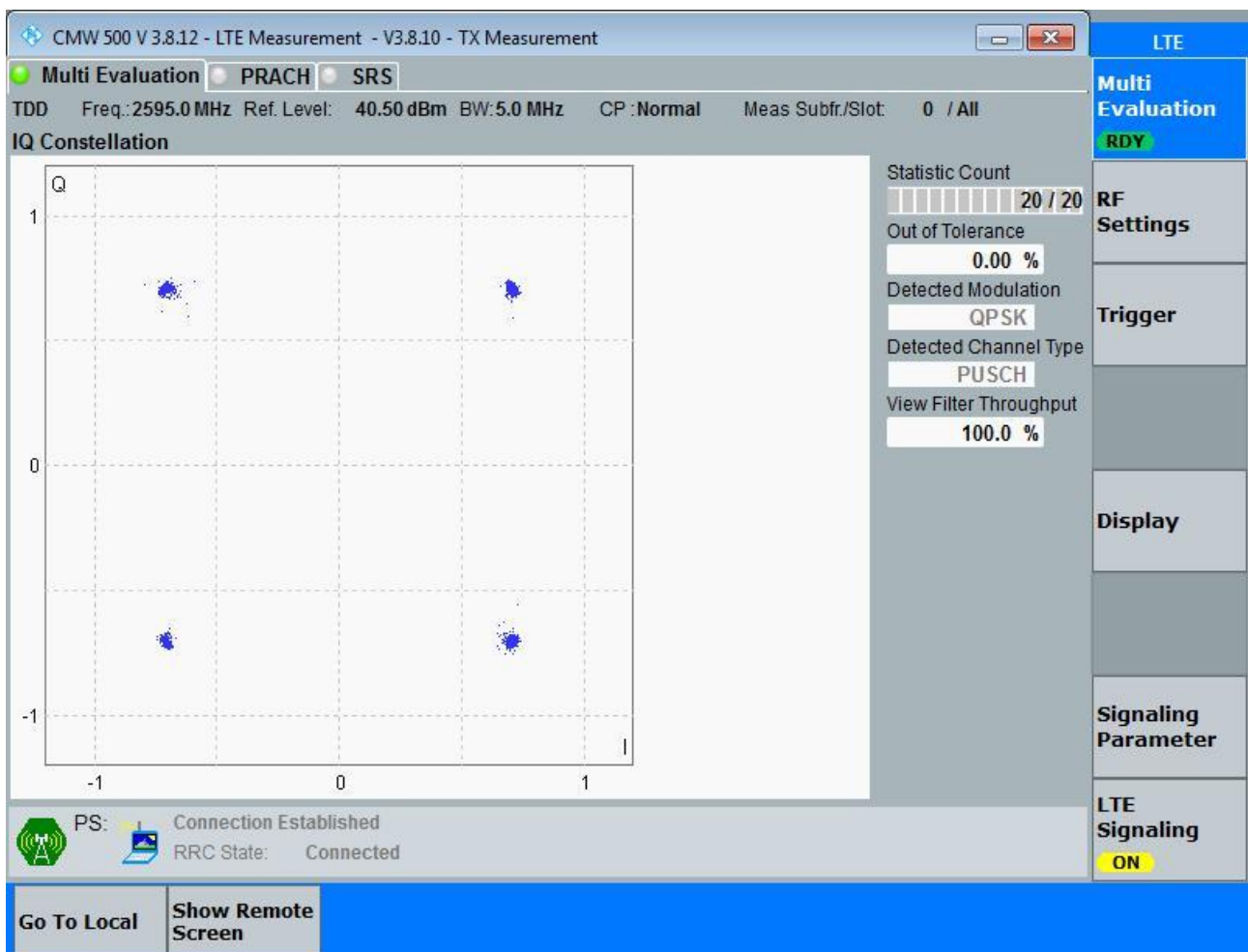
##### 3.1.1 Test Band = Band38

##### 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

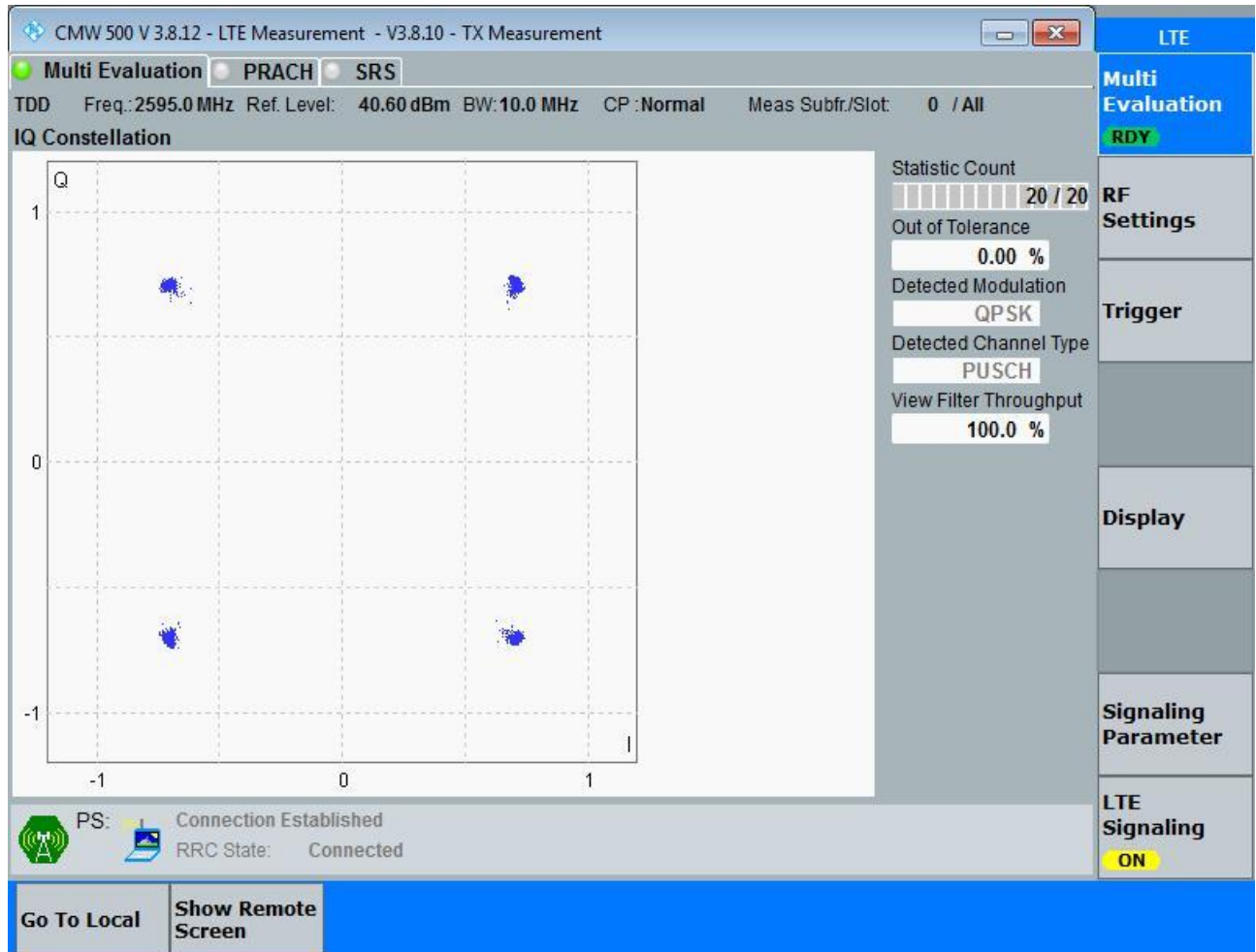
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 3.1.1.1.2 Test Bandwidth = 10MHz

#### 3.1.1.1.2.1 Test Channel = MCH

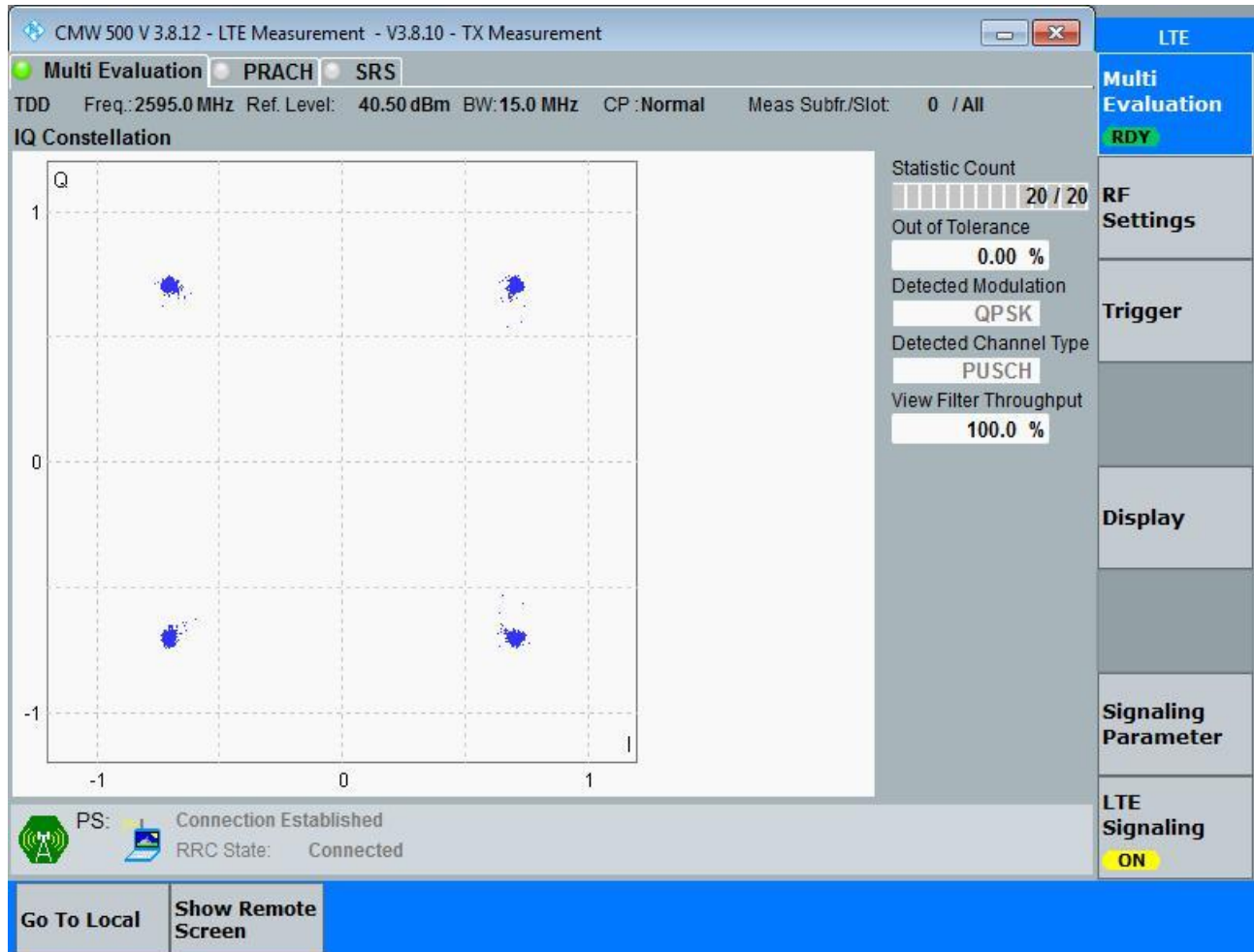
##### 3.1.1.1.2.1.1 Test RB = RB50#0



### 3.1.1.1.3 Test Bandwidth = 15MHz

#### 3.1.1.1.3.1 Test Channel = MCH

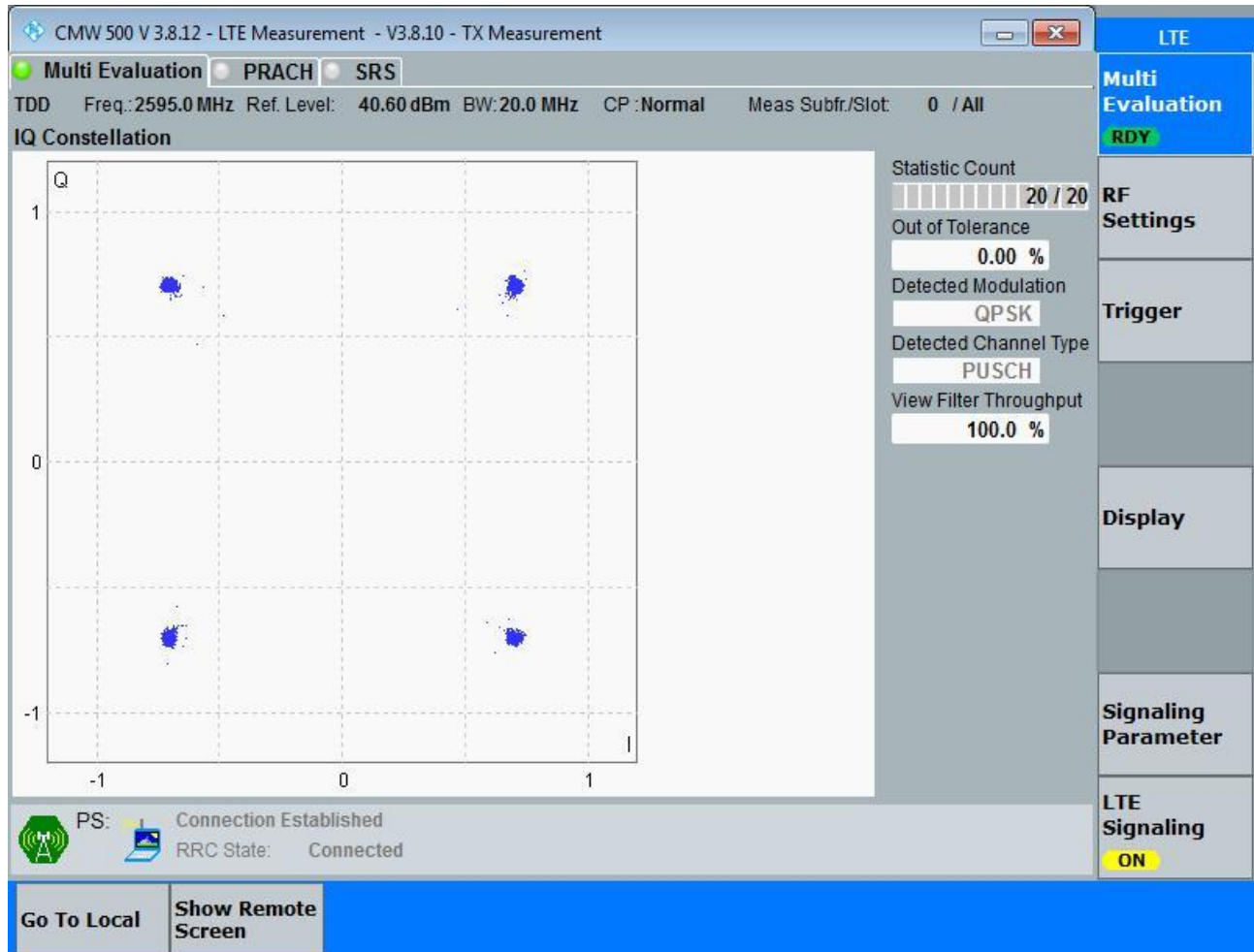
##### 3.1.1.1.3.1.1 Test RB = RB75#0



### 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

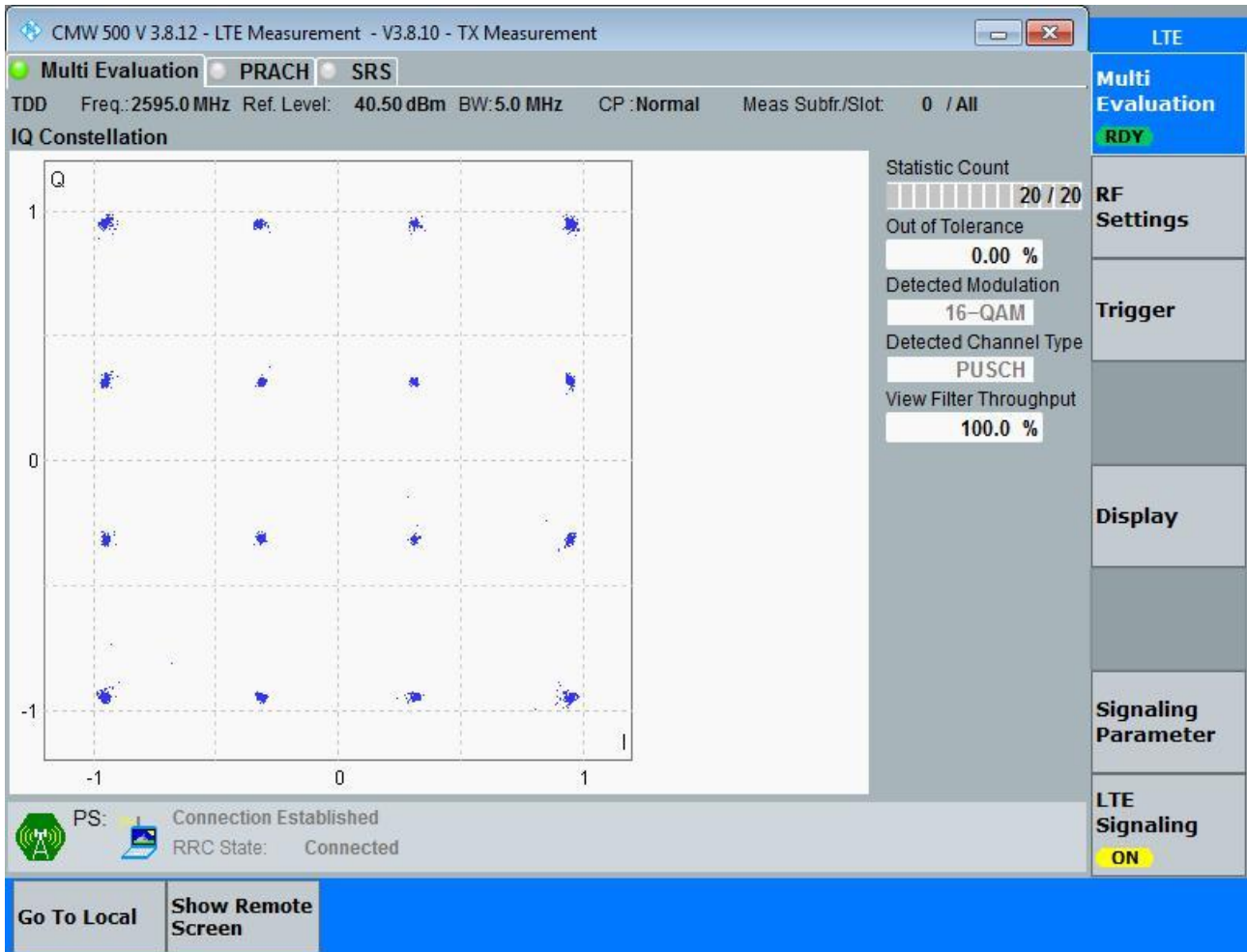


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 5MHz

##### 3.1.1.2.1.1 Test Channel = MCH

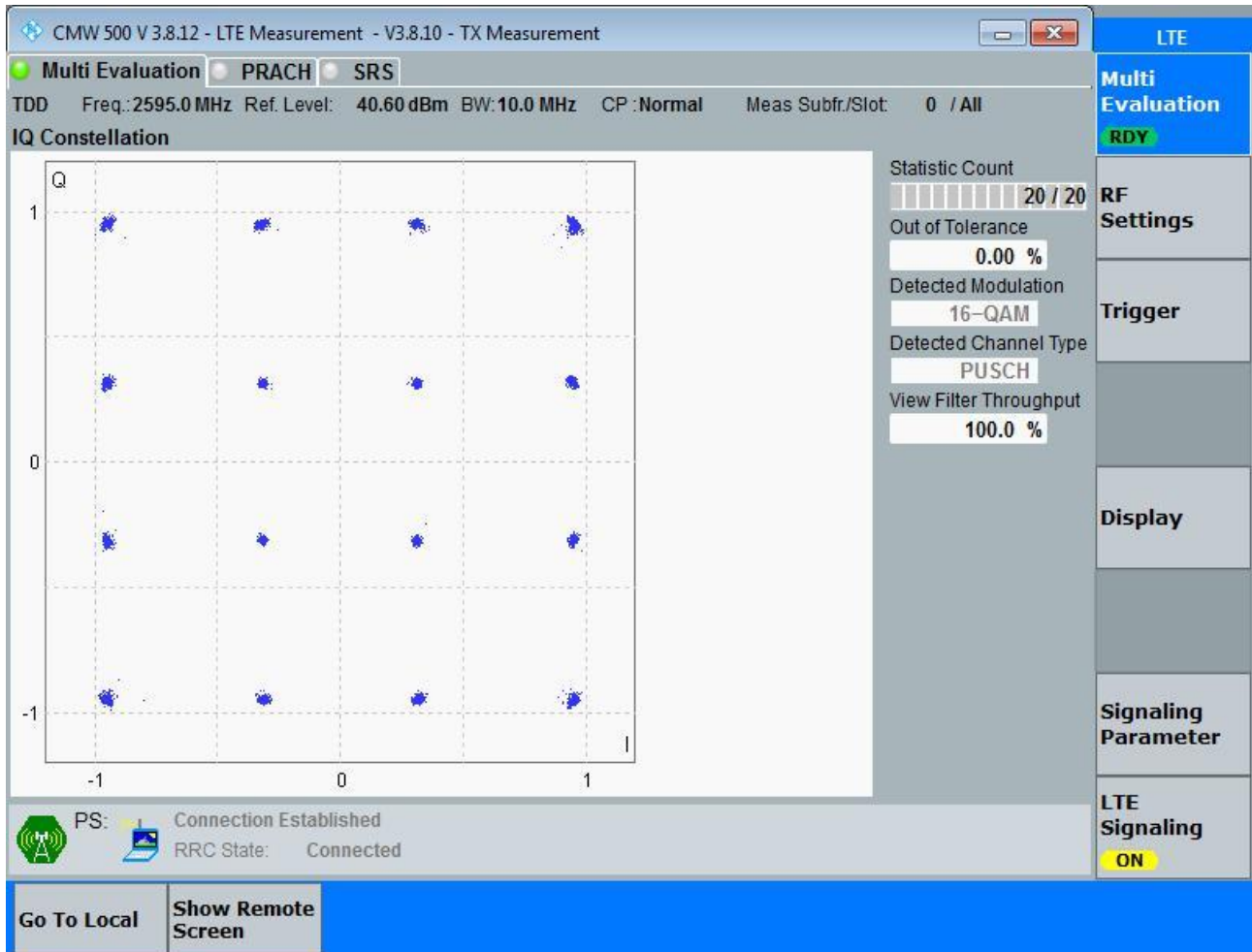
##### 3.1.1.2.1.1.1 Test RB = RB25#0



### 3.1.1.2.2 Test Bandwidth = 10MHz

#### 3.1.1.2.2.1 Test Channel = MCH

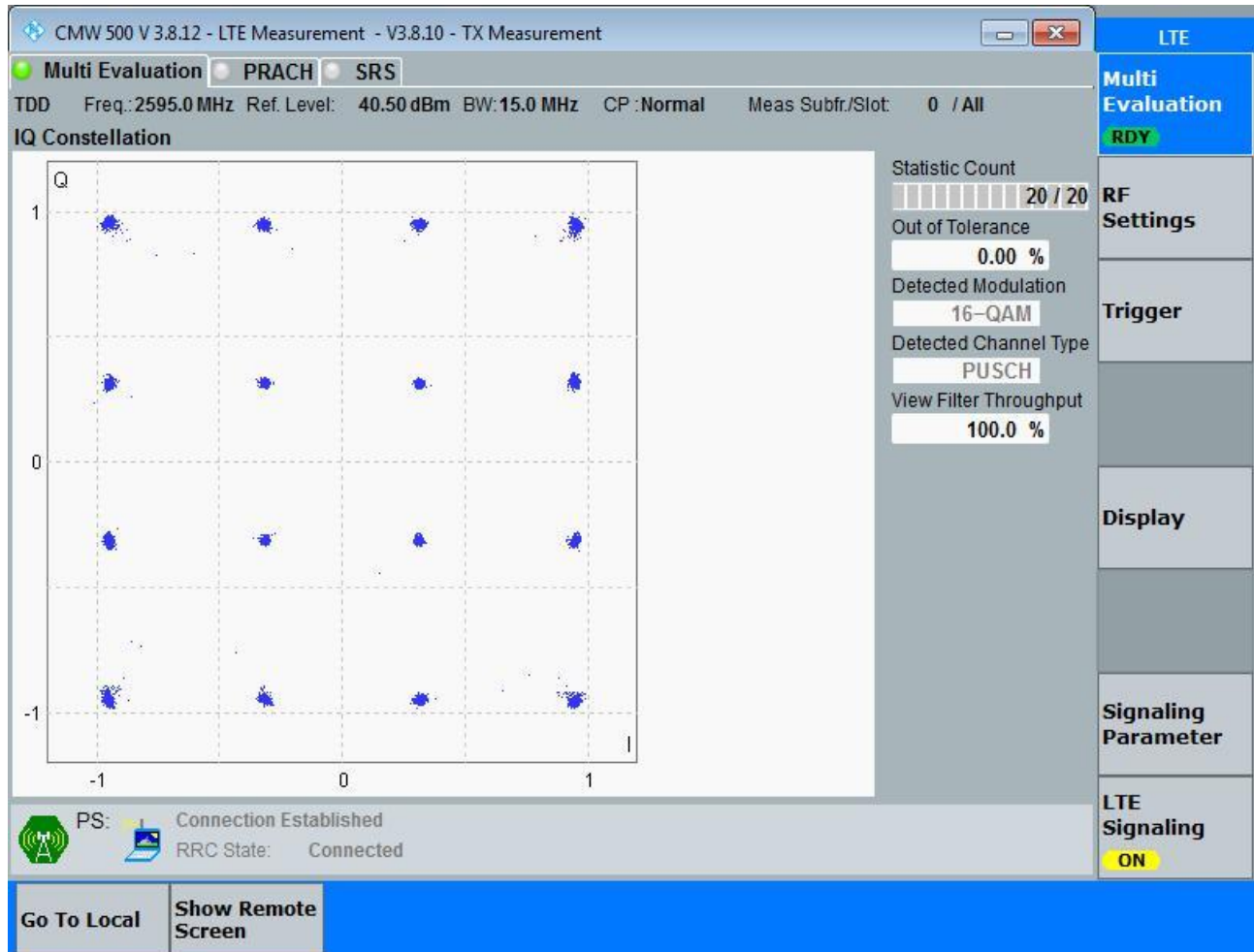
##### 3.1.1.2.2.1.1 Test RB = RB50#0



### 3.1.1.2.3 Test Bandwidth = 15MHz

#### 3.1.1.2.3.1 Test Channel = MCH

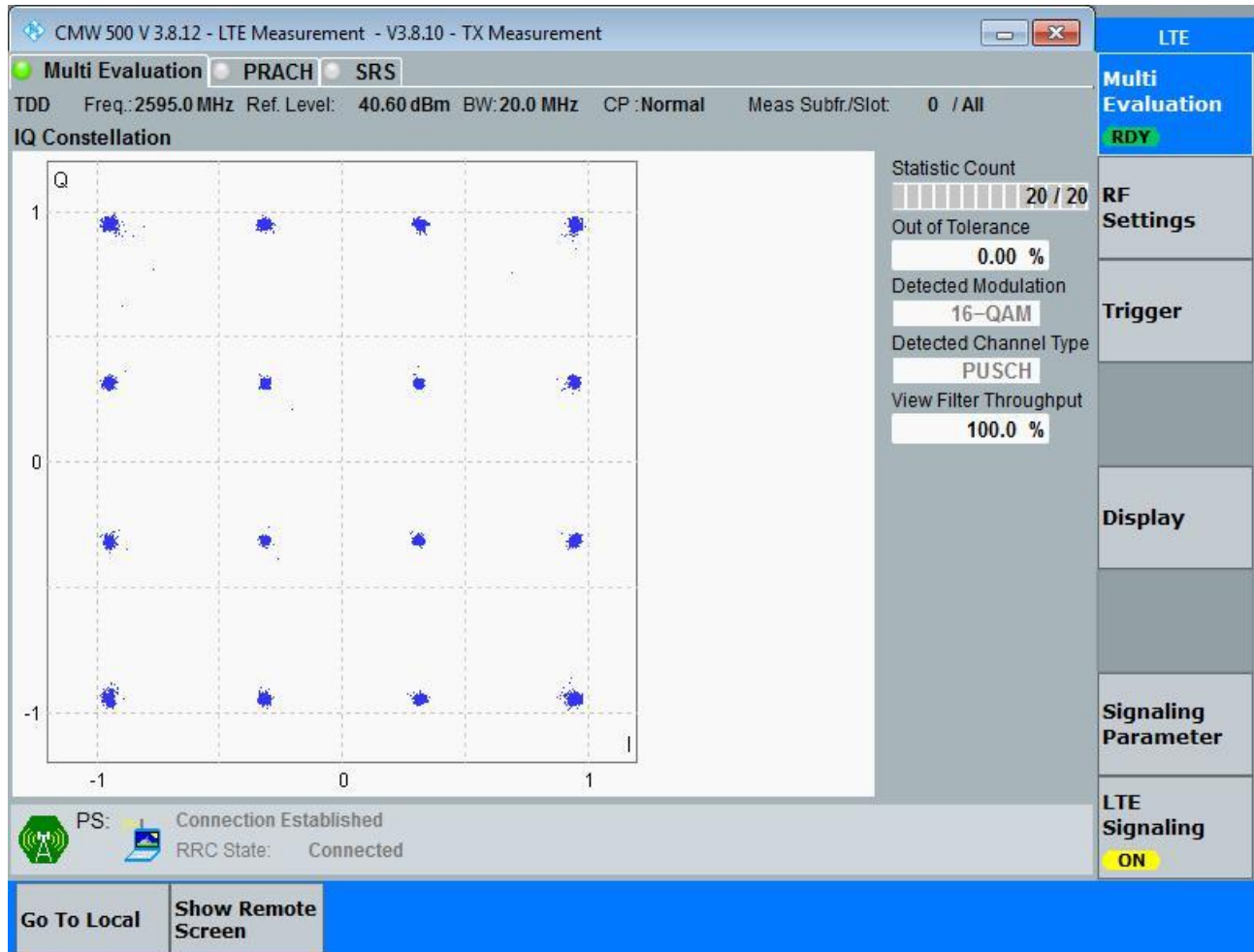
##### 3.1.1.2.3.1.1 Test RB = RB75#0



### 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 |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| Band38    | LTE/TM1   | 5              | LCH          | RB25#0  | 4.49                     | 4.91                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.51                     | 5.06                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 5.36                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.98                     | 9.85                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.98                     | 10.31                    | Pass    |
|           |           |                | HCH          | RB50#0  | 9.01                     | 10.06                    | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.46                    | 15.15                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.49                    | 14.97                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.48                    | 14.69                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.95                    | 19.22                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.99                    | 21.44                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.94                    | 19.47                    | Pass    |
|           | LTE/TM2   | 5              | LCH          | RB25#0  | 4.49                     | 4.93                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.49                     | 4.95                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 5.18                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.97                     | 10.57                    | Pass    |
|           |           |                | MCH          | RB50#0  | 8.96                     | 9.88                     | Pass    |
|           |           |                | HCH          | RB50#0  | 9.00                     | 10.40                    | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.52                    | 16.56                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.48                    | 15.00                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.49                    | 15.13                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.98                    | 21.43                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.98                    | 20.10                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.98                    | 19.37                    | Pass    |

## Part II - Test Plots

### 4.1 For LTE

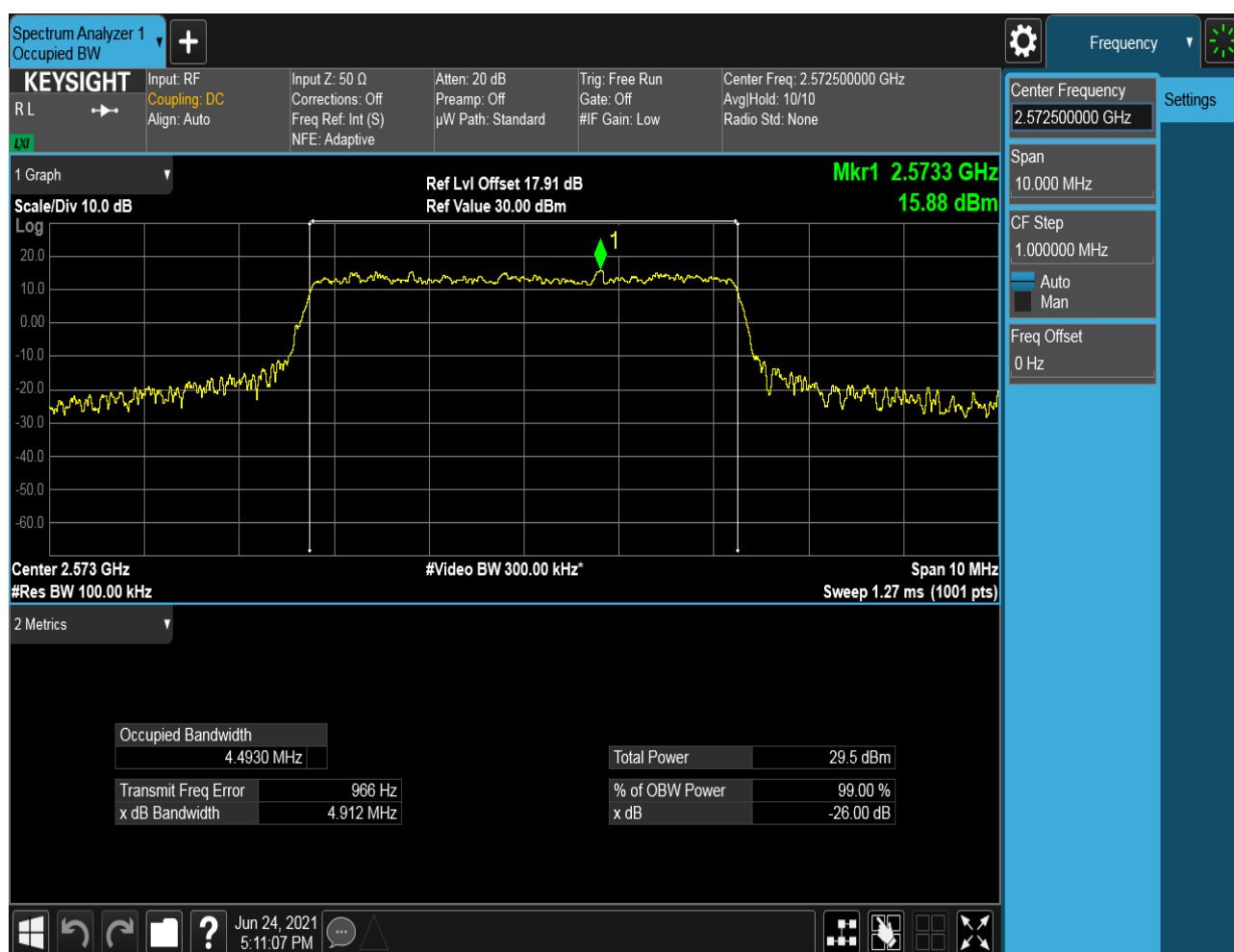
#### 4.1.1 Test Band = Band38

##### 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

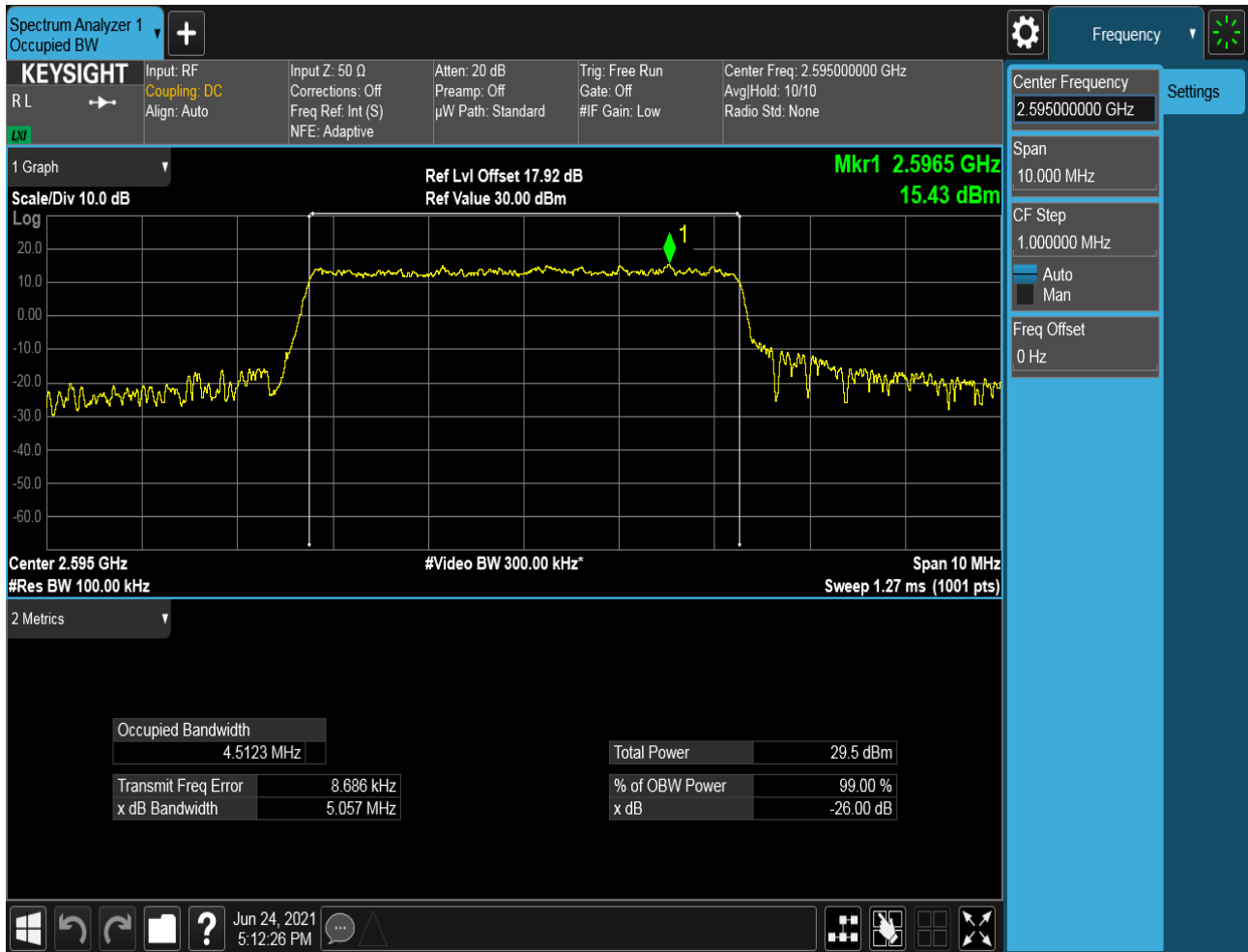
##### 4.1.1.1.1.1.1 Test RB = RB25#0





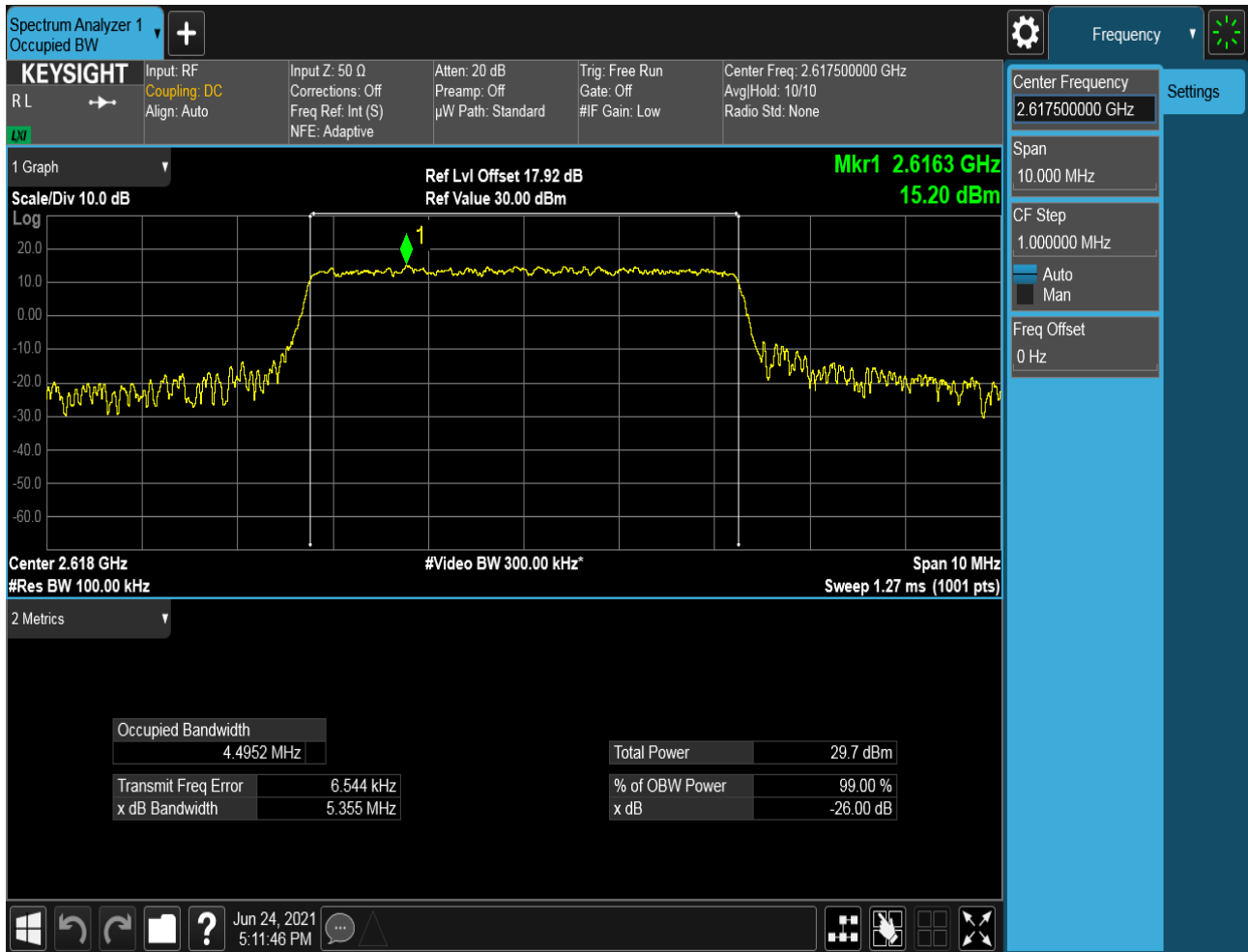
## 4.1.1.1.1.2 Test Channel = MCH

## 4.1.1.1.1.2.1 Test RB = RB25#0



#### 4.1.1.1.1.3 Test Channel = HCH

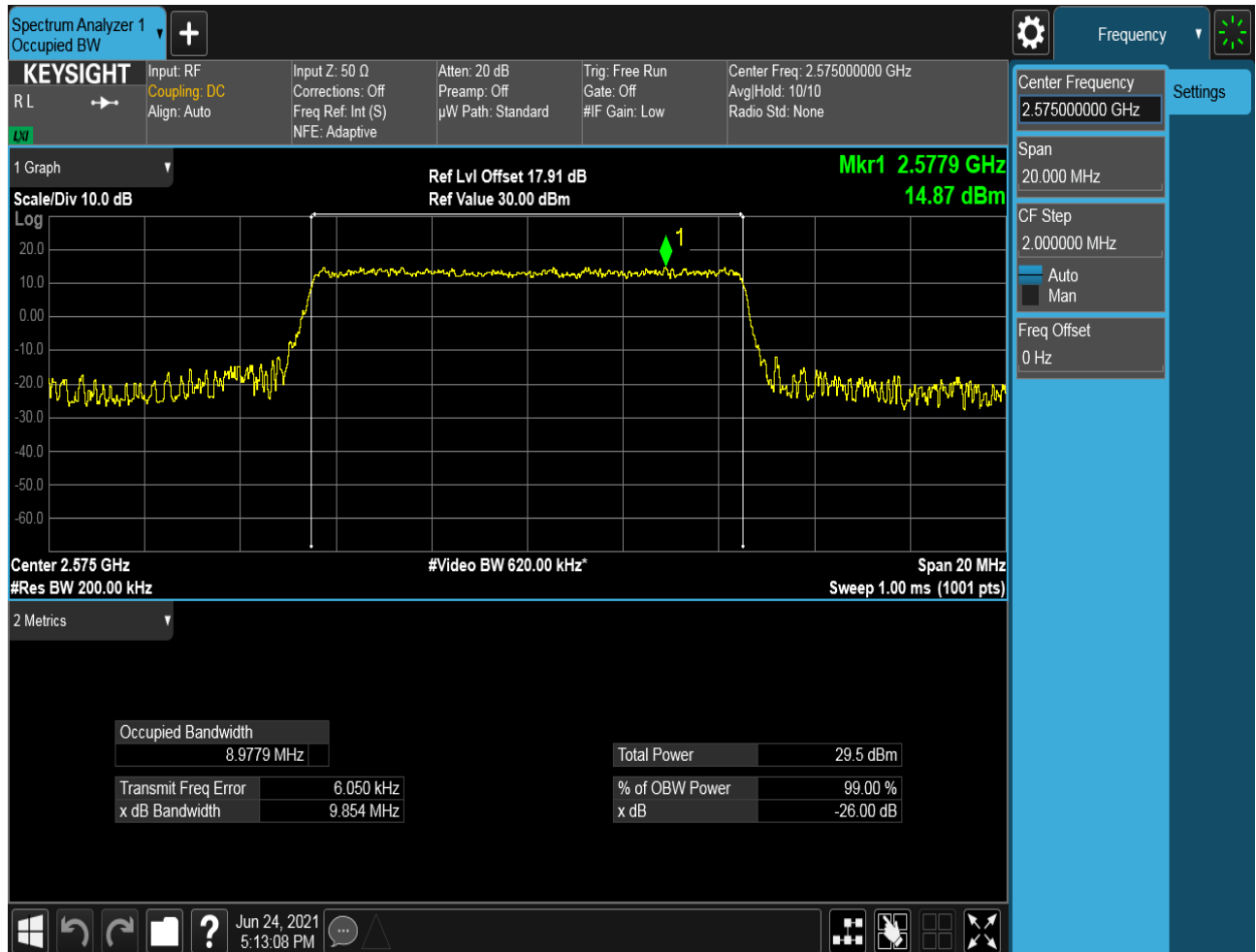
##### 4.1.1.1.1.3.1 Test RB = RB25#0



#### 4.1.1.1.2 Test Bandwidth = 10MHz

##### 4.1.1.1.2.1 Test Channel = LCH

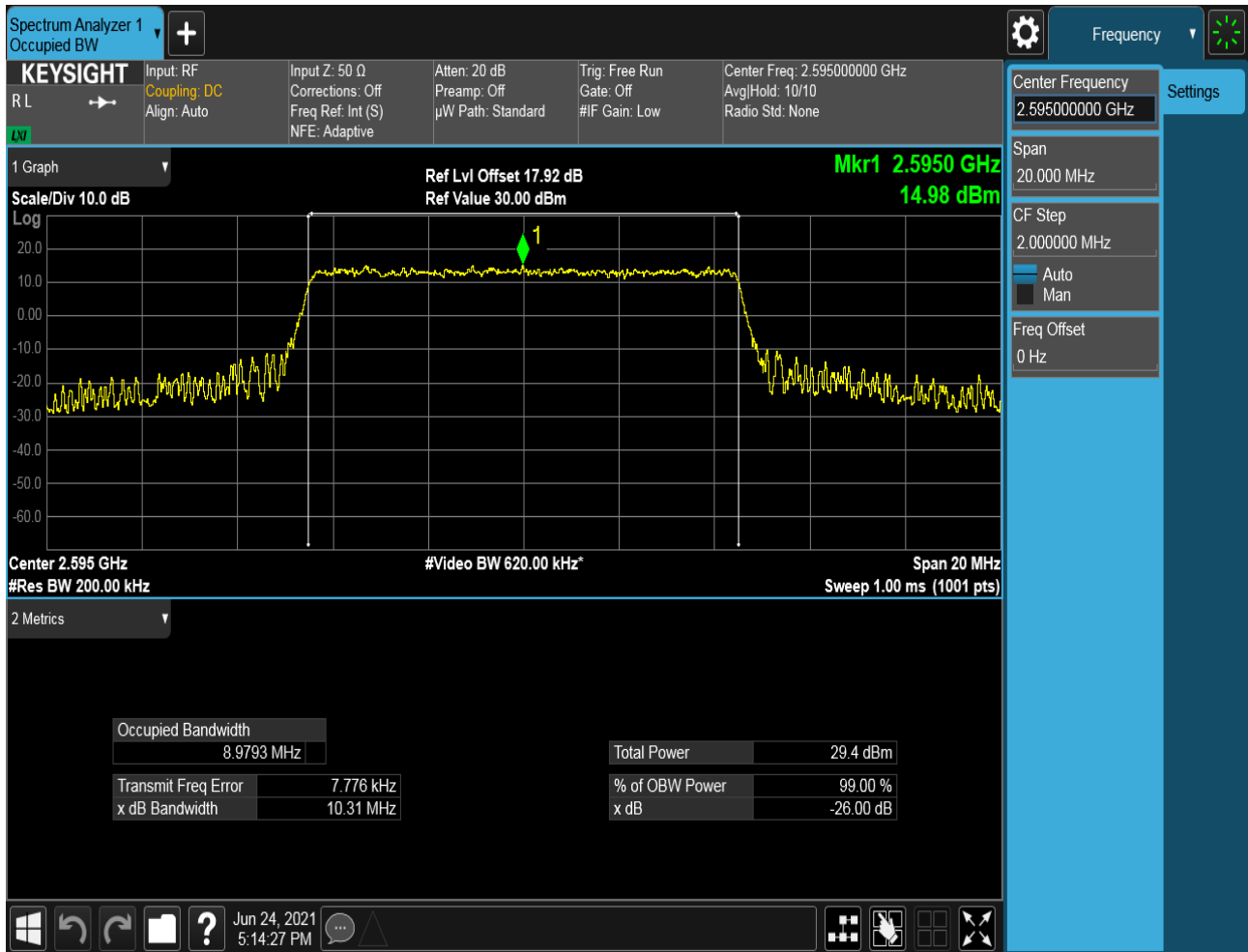
##### 4.1.1.1.2.1.1 Test RB = RB50#0





## 4.1.1.1.2.2 Test Channel = MCH

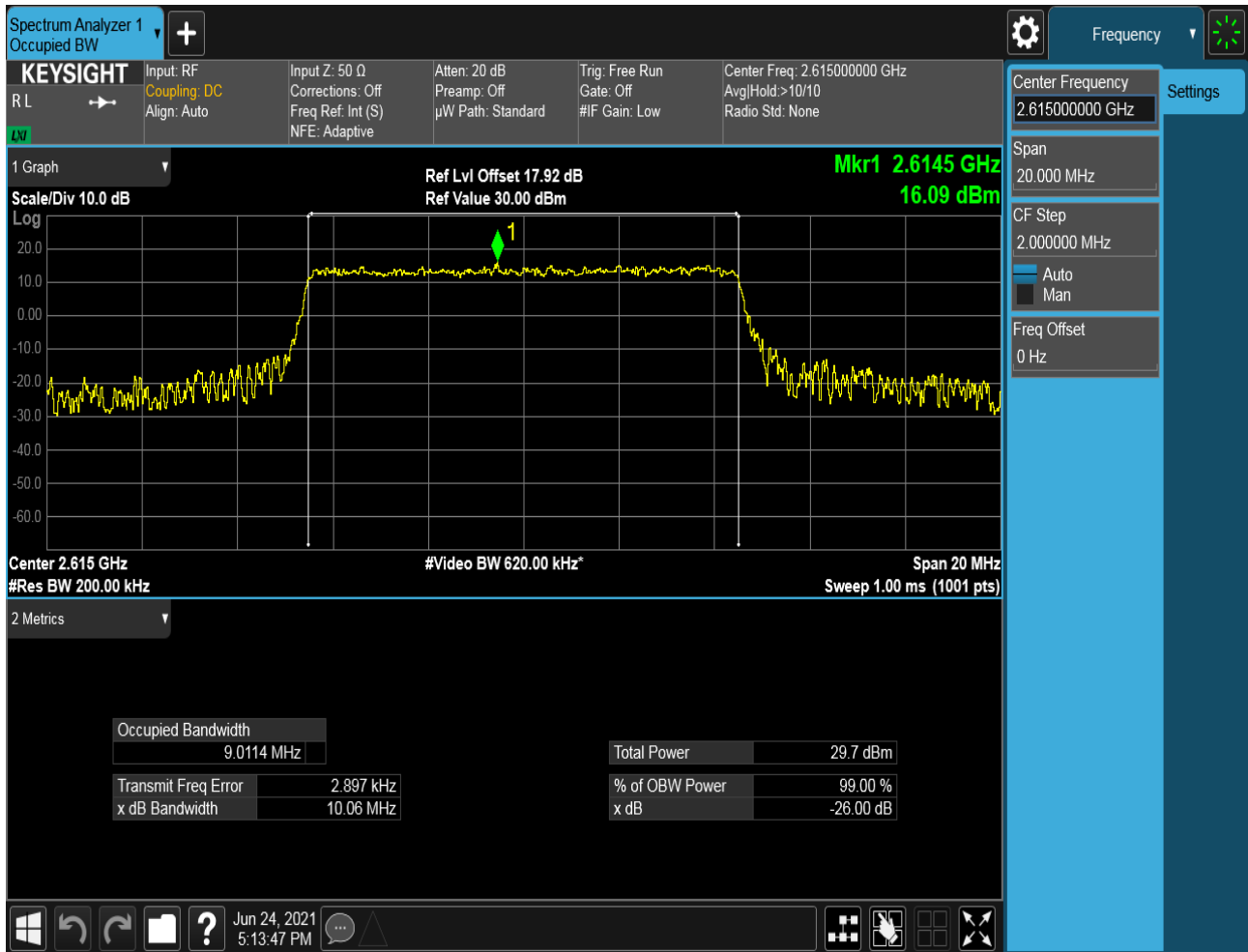
## 4.1.1.1.2.2.1 Test RB = RB50#0





## 4.1.1.1.2.3 Test Channel = HCH

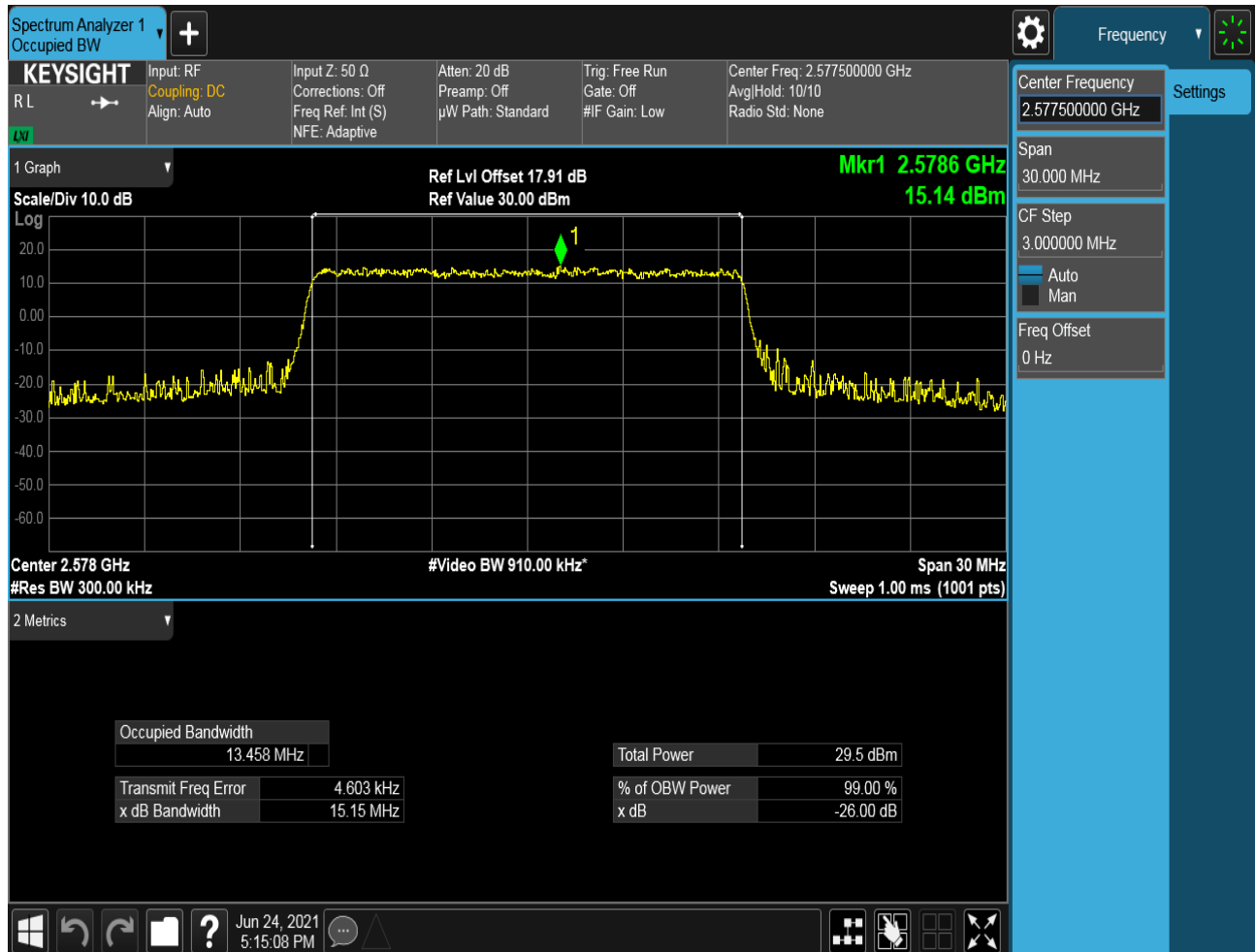
## 4.1.1.1.2.3.1 Test RB = RB50#0



#### 4.1.1.1.3 Test Bandwidth = 15MHz

##### 4.1.1.1.3.1 Test Channel = LCH

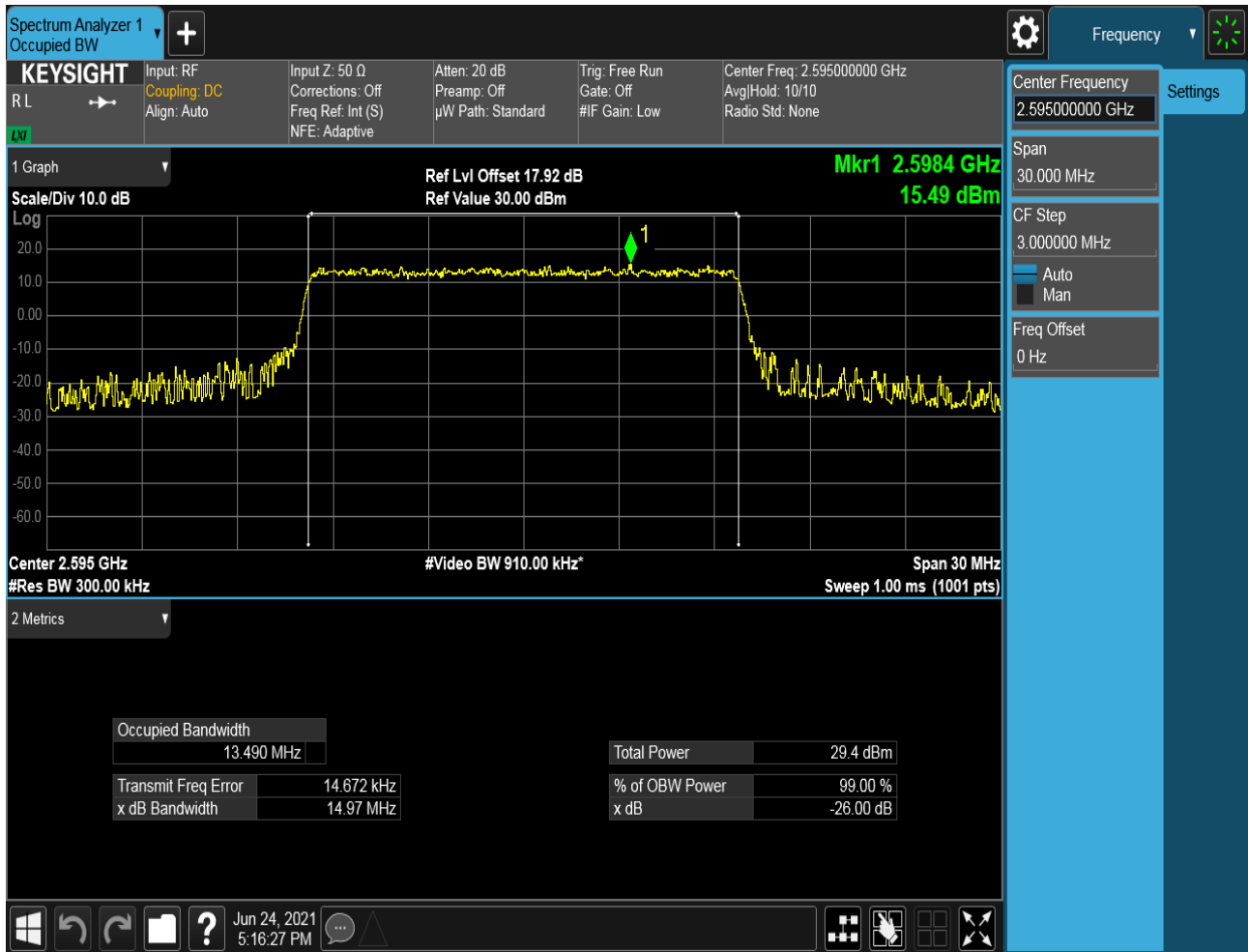
##### 4.1.1.1.3.1.1 Test RB = RB75#0





## 4.1.1.1.3.2 Test Channel = MCH

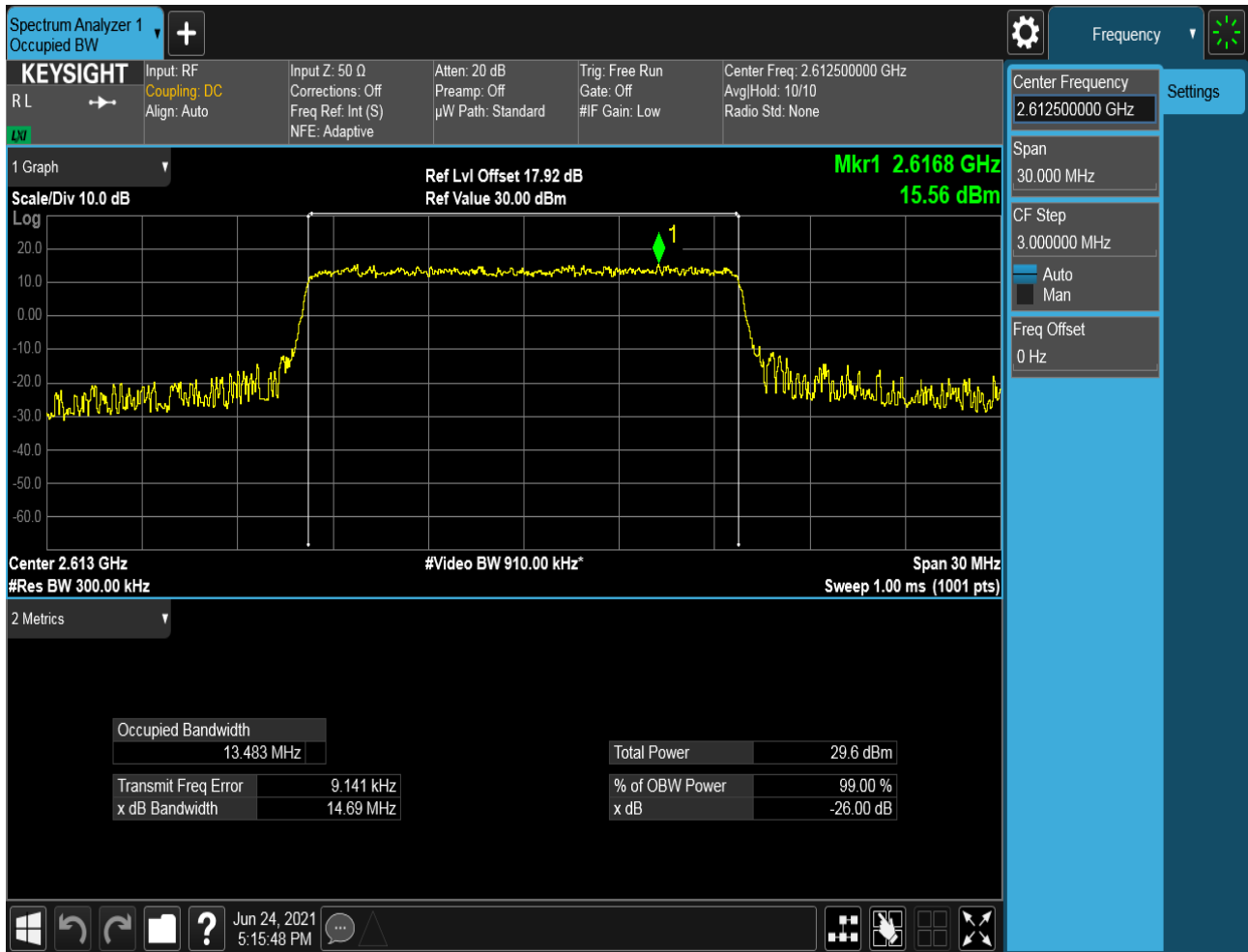
## 4.1.1.1.3.2.1 Test RB = RB75#0





## 4.1.1.1.3.3 Test Channel = HCH

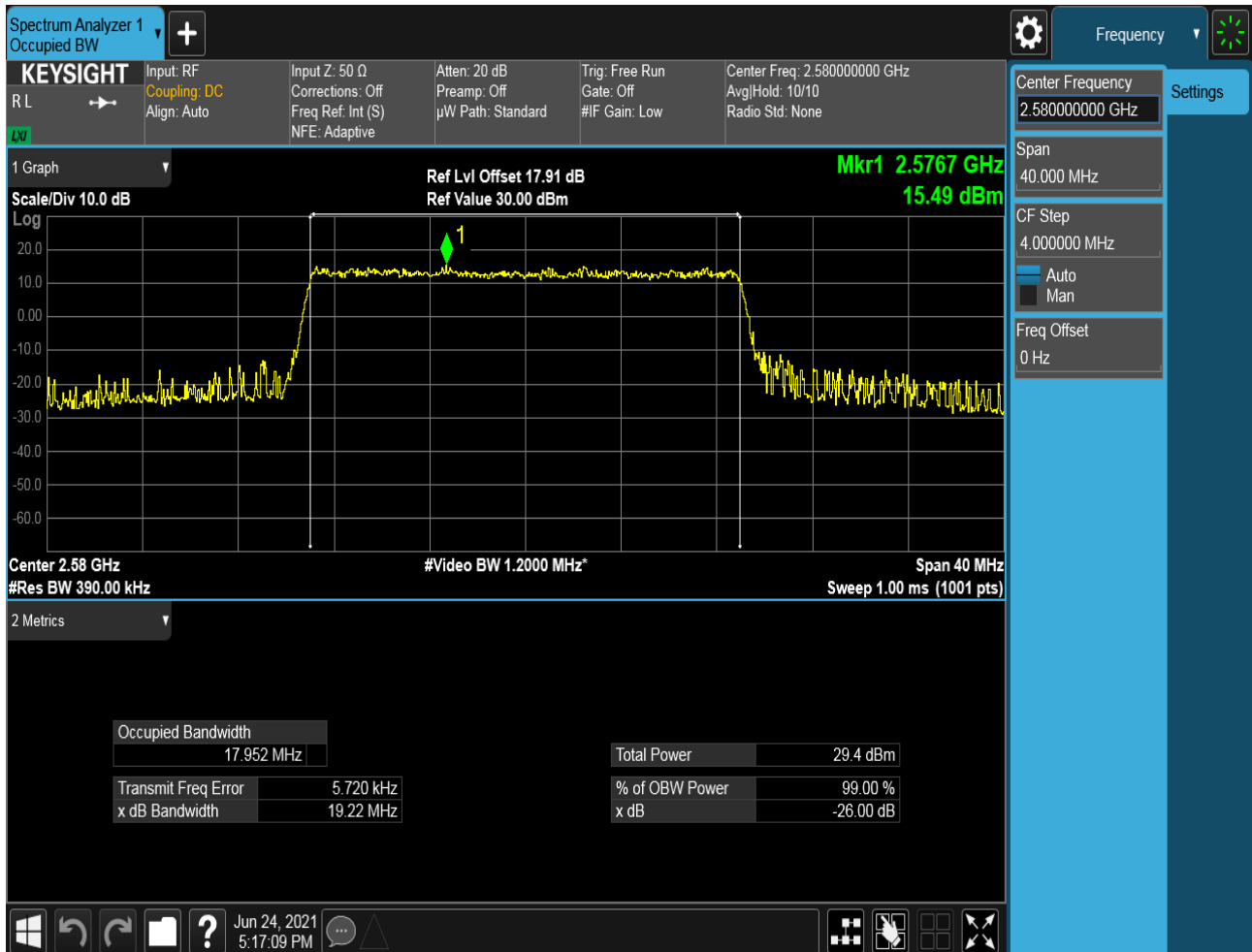
## 4.1.1.1.3.3.1 Test RB = RB75#0



#### 4.1.1.1.4 Test Bandwidth = 20MHz

##### 4.1.1.1.4.1 Test Channel = LCH

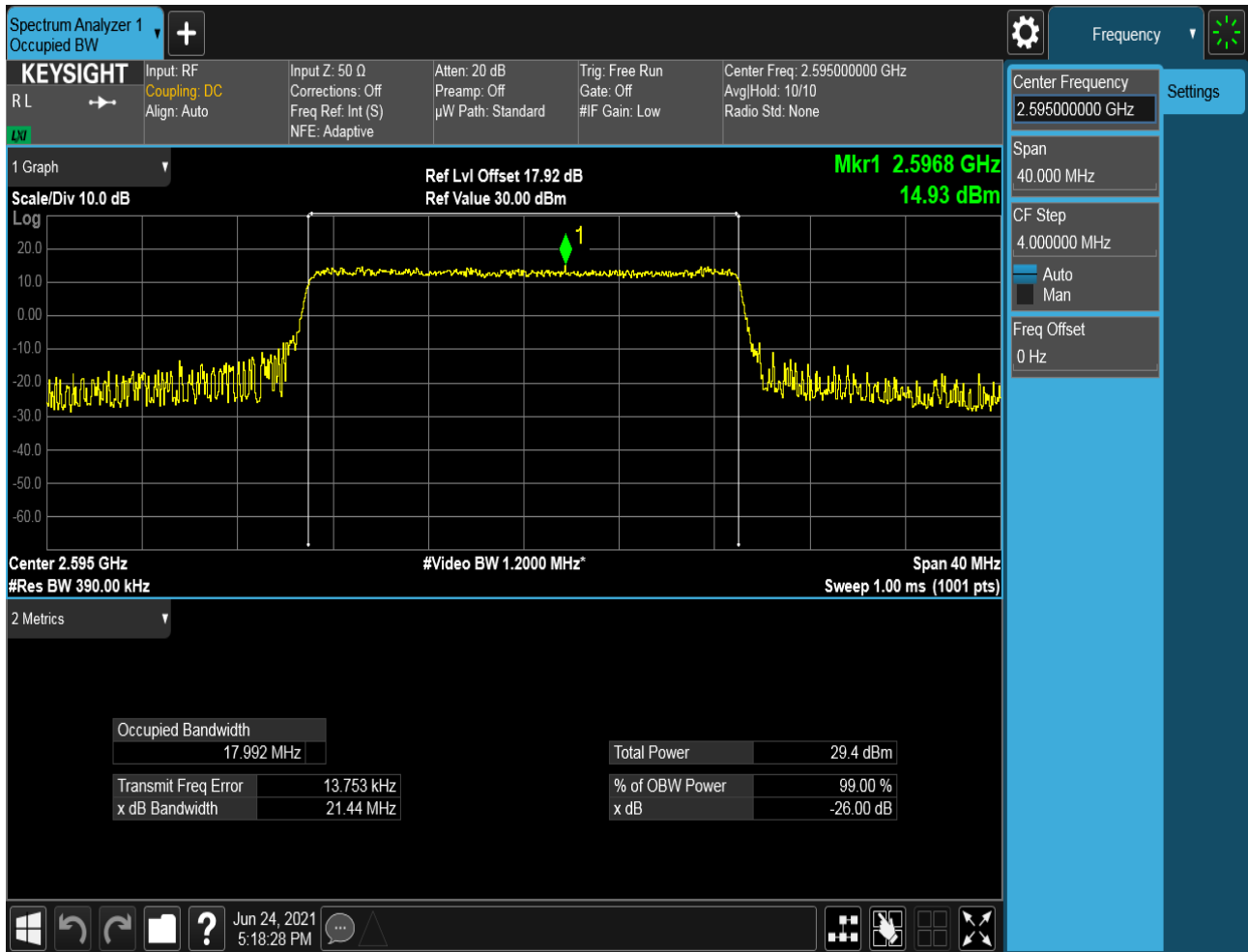
##### 4.1.1.1.4.1.1 Test RB = RB100#0





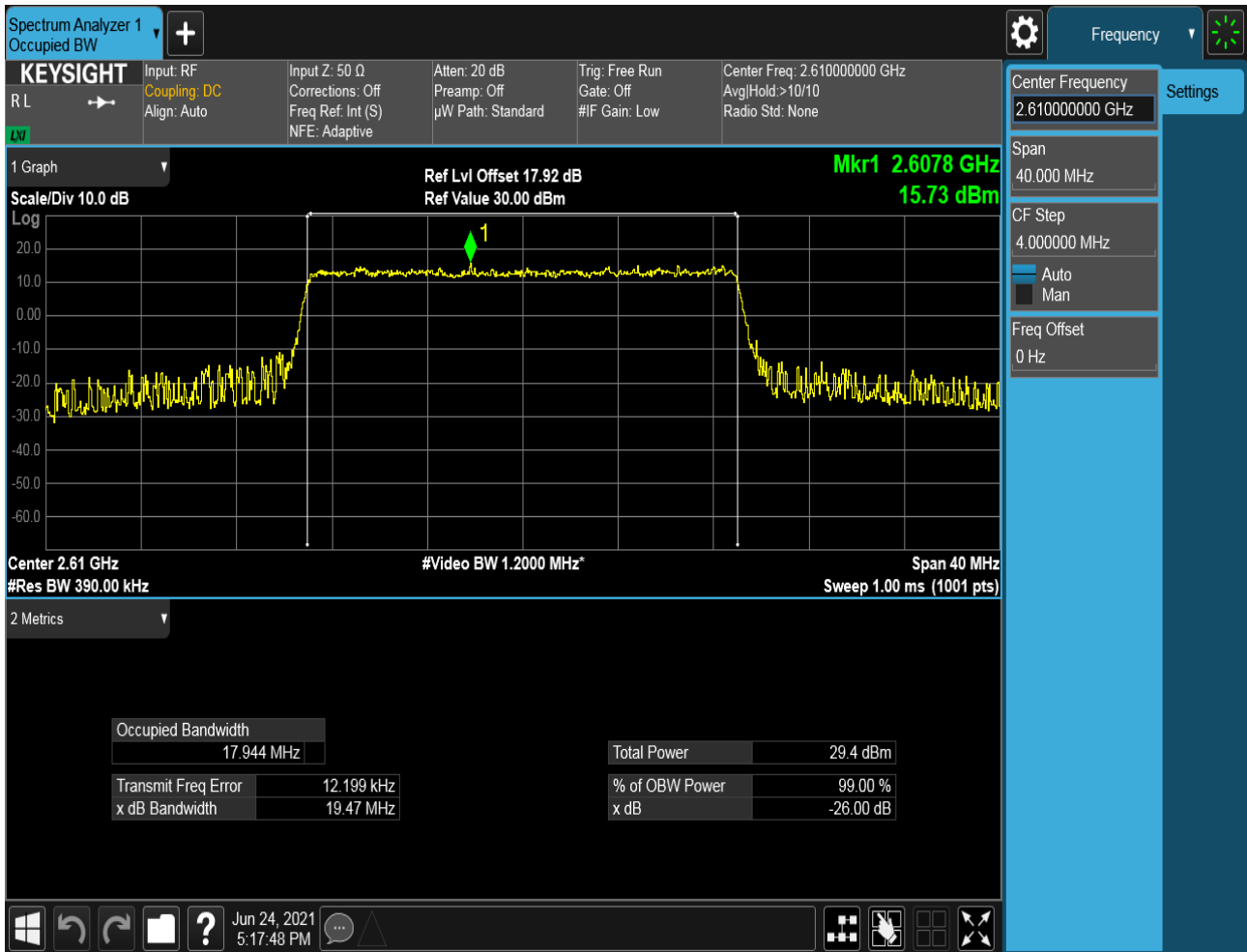
## 4.1.1.1.4.2 Test Channel = MCH

## 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

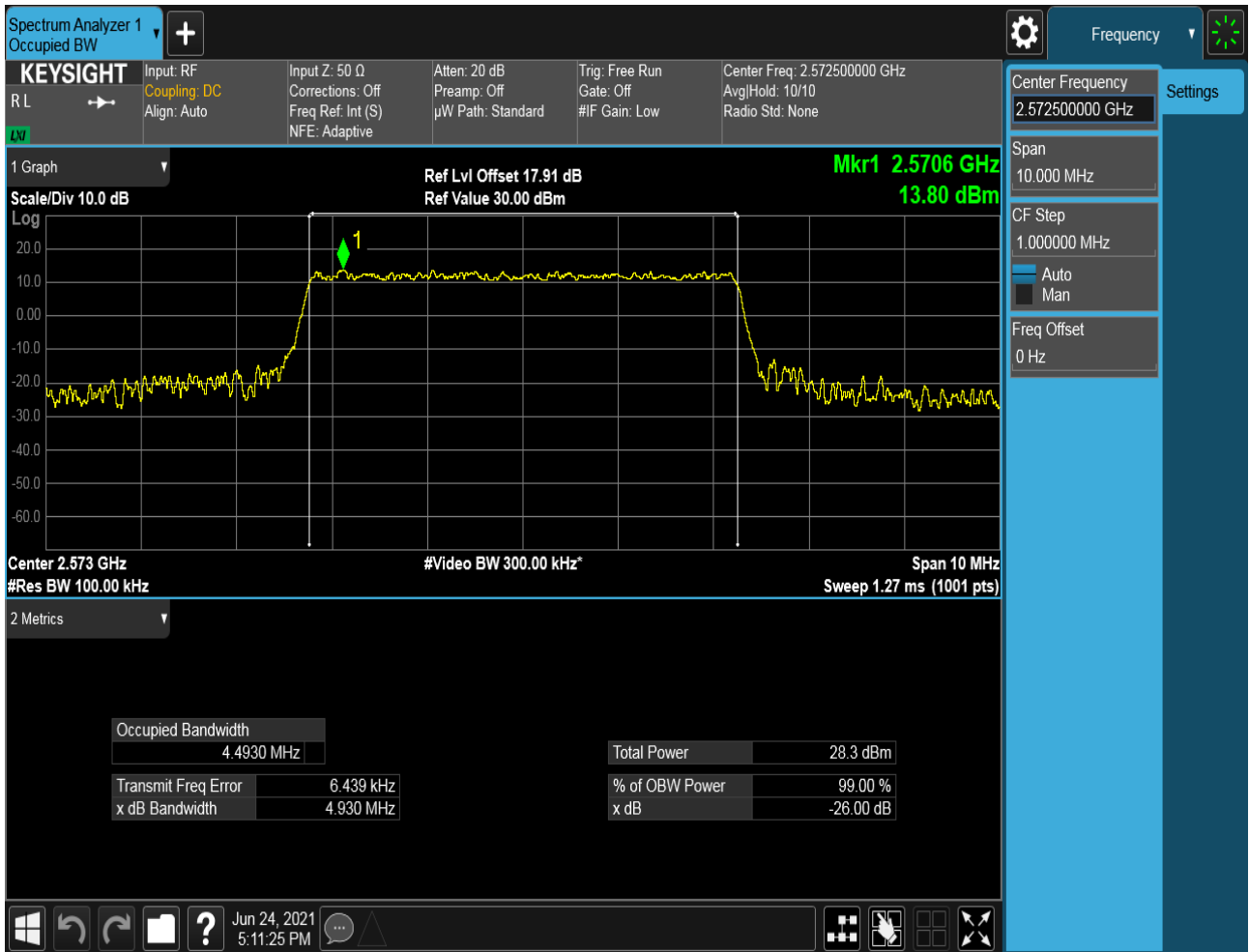


#### 4.1.1.2 Test Mode = LTE/TM2

##### 4.1.1.2.1 Test Bandwidth = 5MHz

##### 4.1.1.2.1.1 Test Channel = LCH

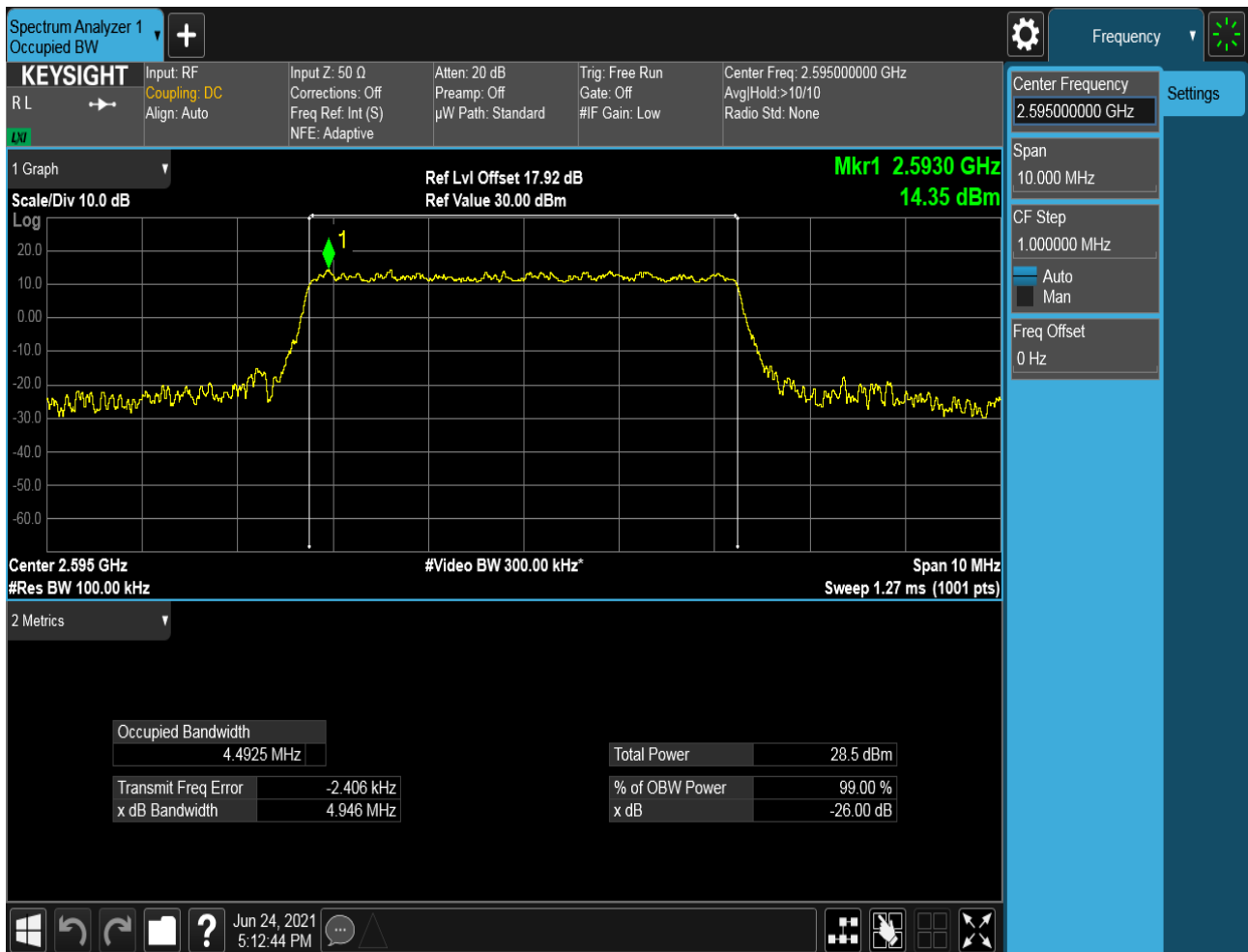
##### 4.1.1.2.1.1.1 Test RB = RB25#0





## 4.1.1.2.1.2 Test Channel = MCH

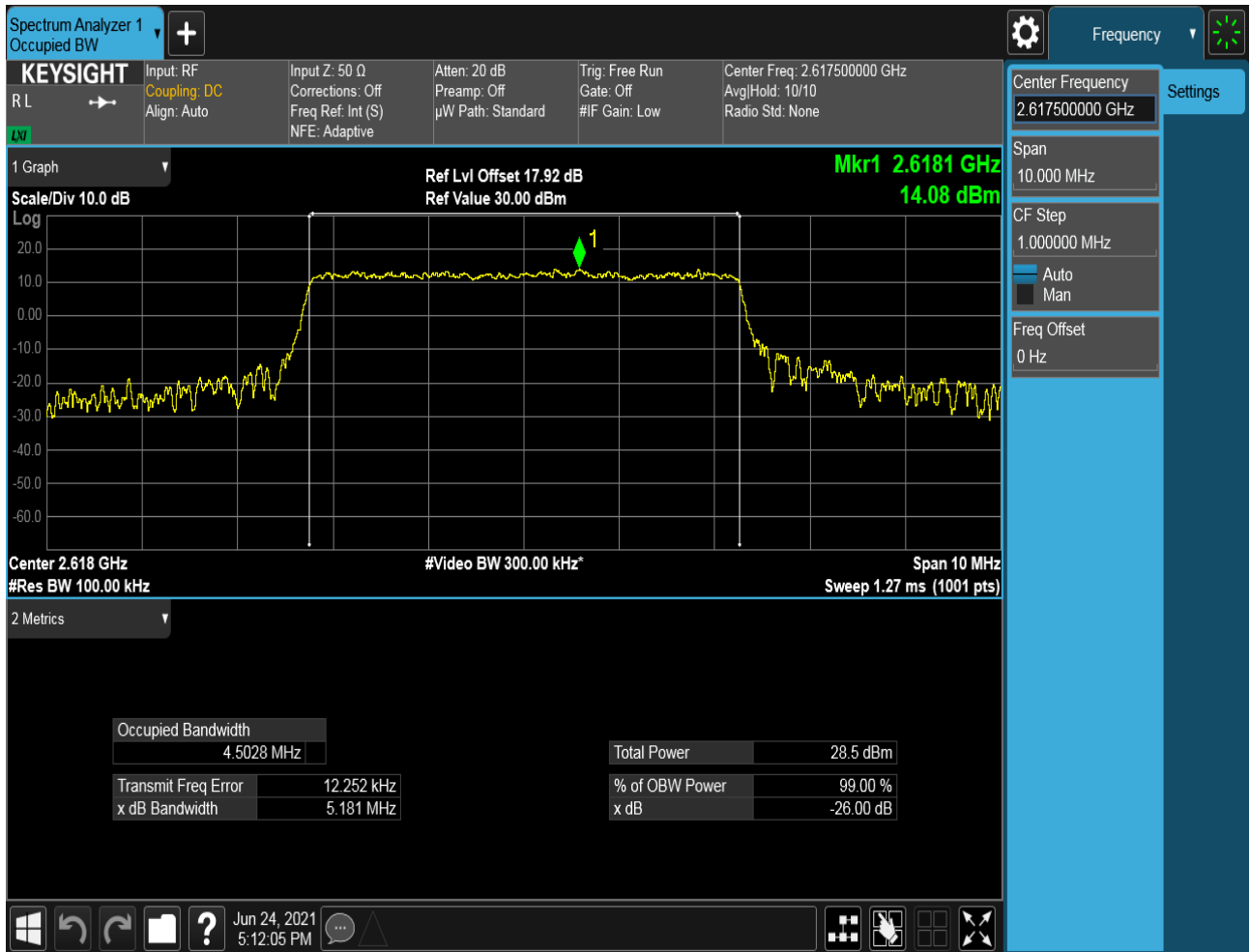
## 4.1.1.2.1.2.1 Test RB = RB25#0





## 4.1.1.2.1.3 Test Channel = HCH

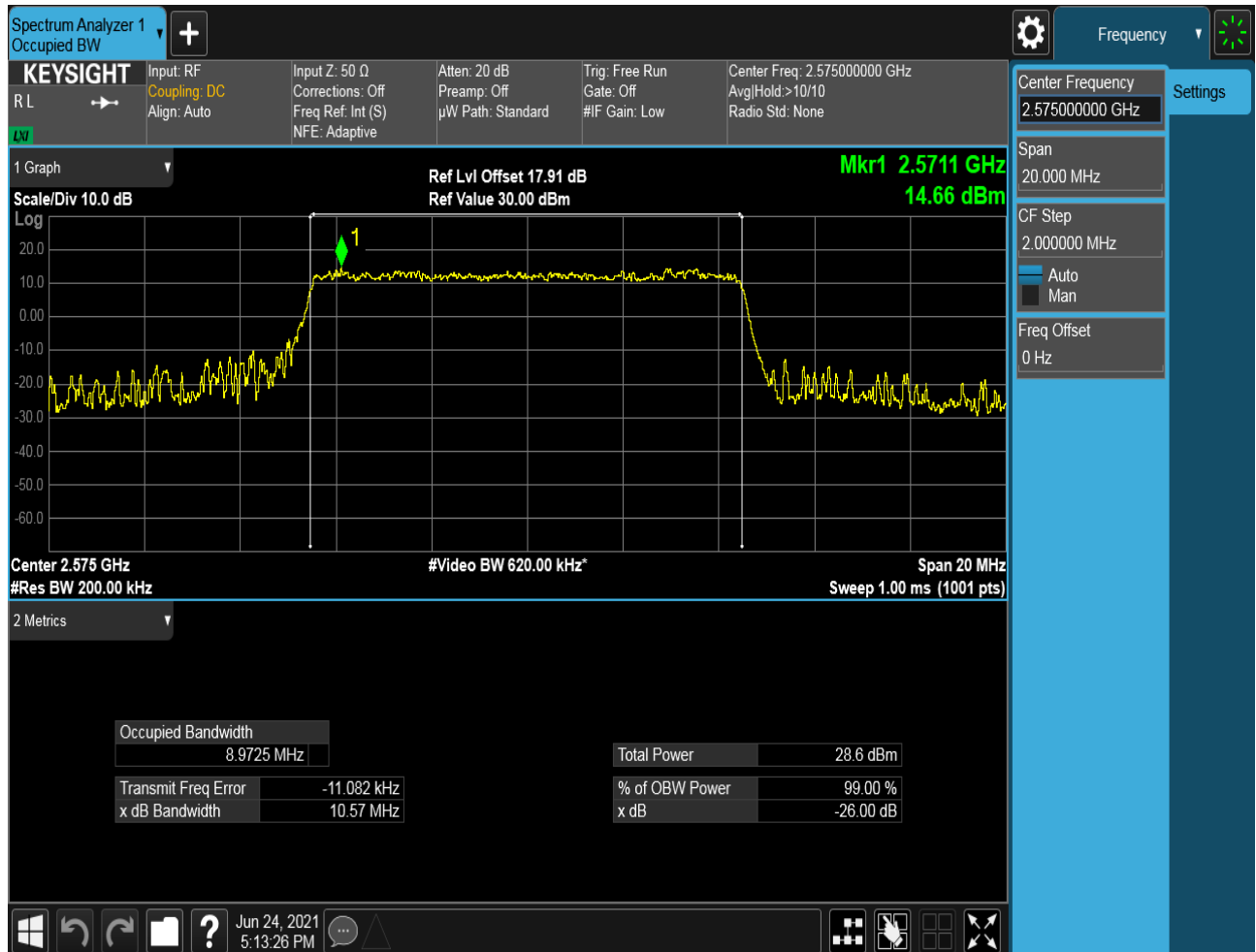
## 4.1.1.2.1.3.1 Test RB = RB25#0



#### 4.1.1.2.2 Test Bandwidth = 10MHz

##### 4.1.1.2.2.1 Test Channel = LCH

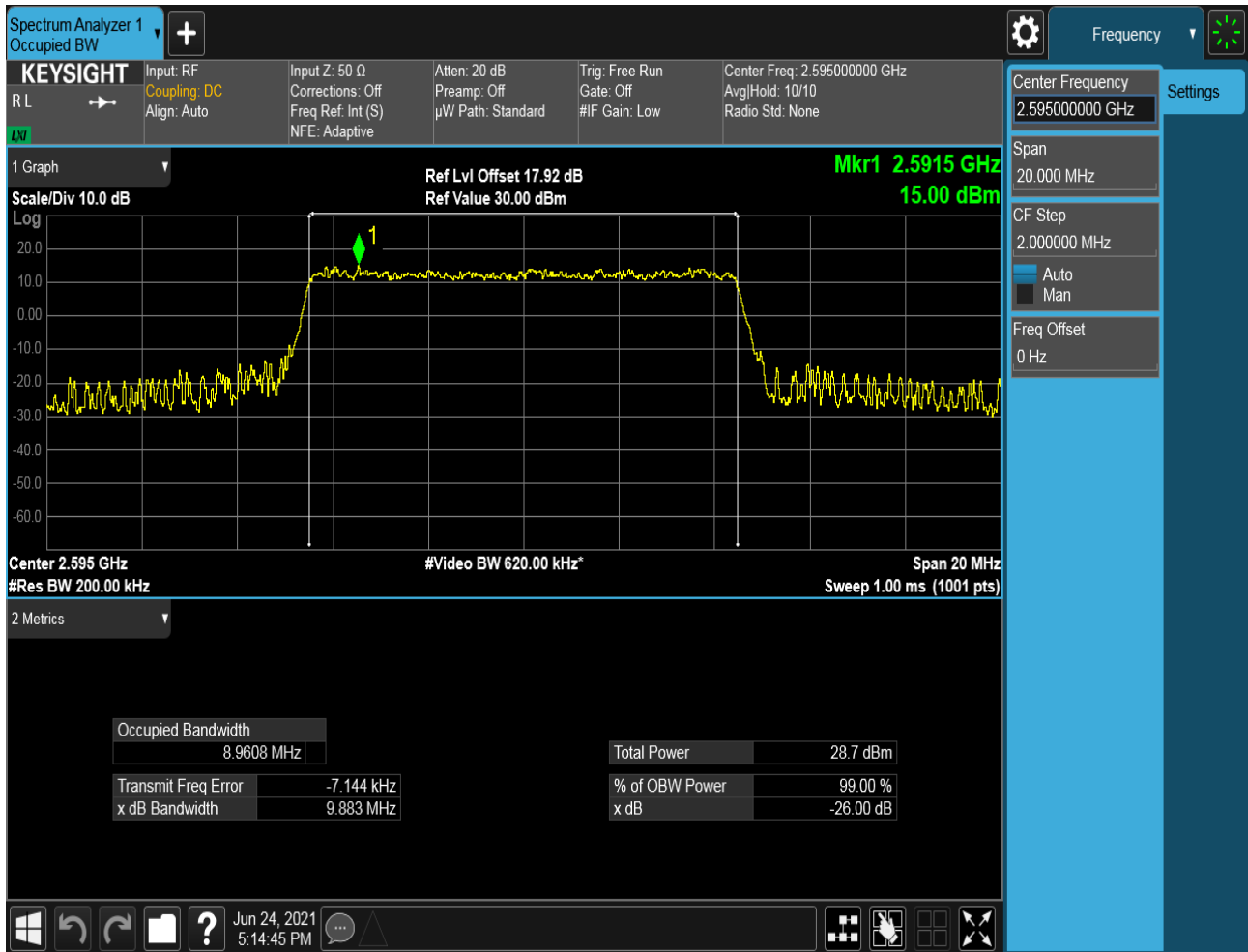
##### 4.1.1.2.2.1.1 Test RB = RB50#0





## 4.1.1.2.2.2 Test Channel = MCH

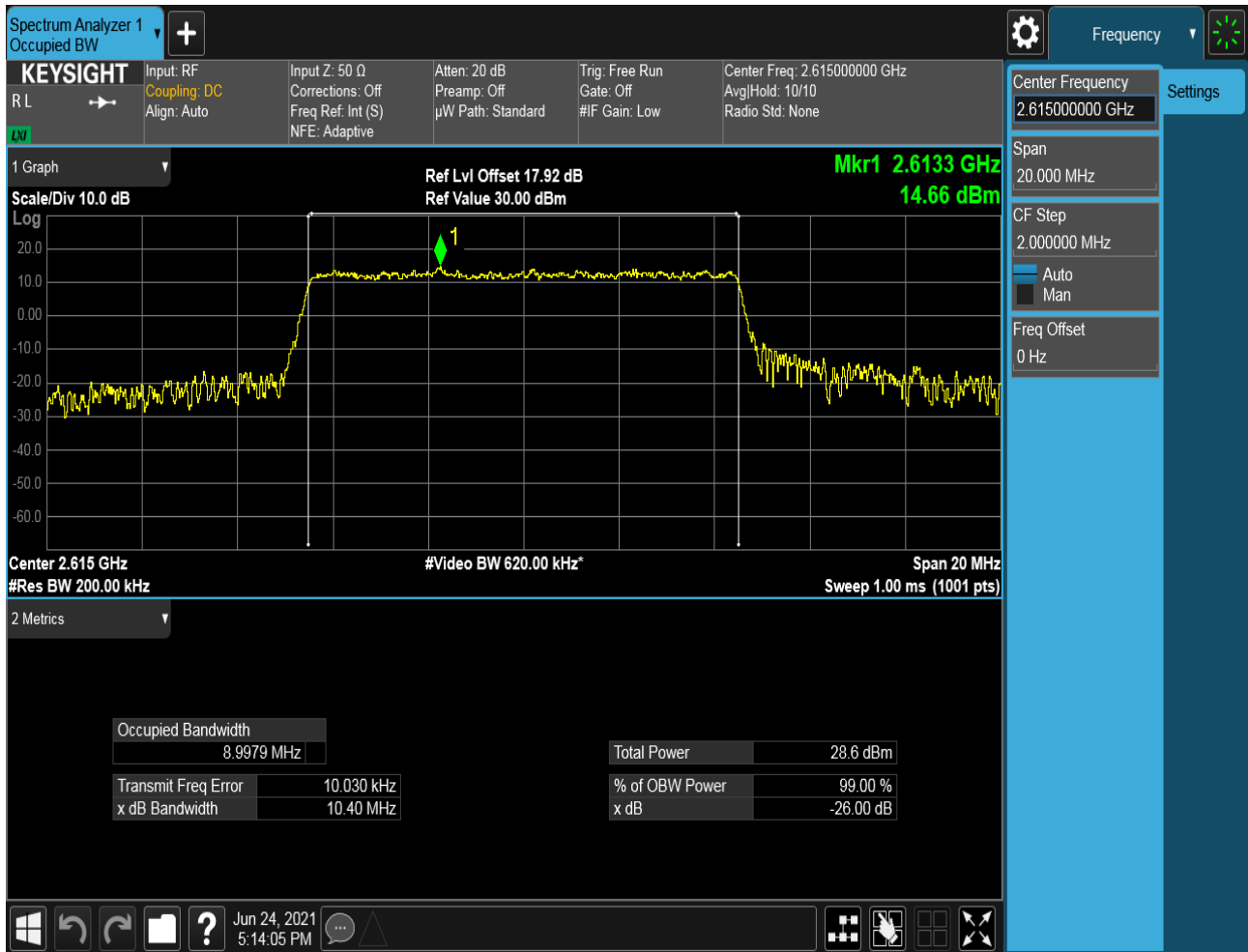
## 4.1.1.2.2.1 Test RB = RB50#0





## 4.1.1.2.2.3 Test Channel = HCH

## 4.1.1.2.2.3.1 Test RB = RB50#0

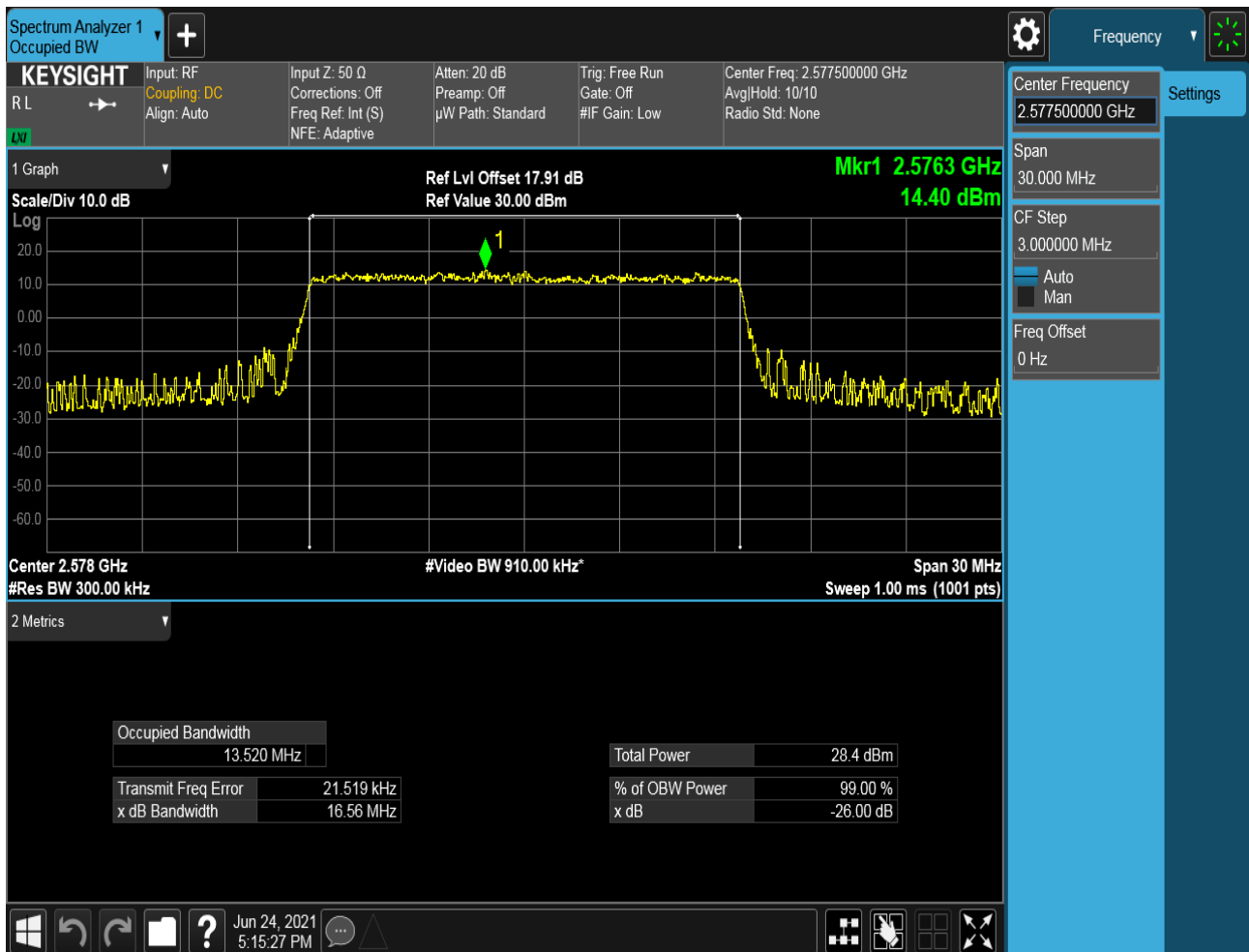




#### 4.1.1.2.3 Test Bandwidth = 15MHz

##### 4.1.1.2.3.1 Test Channel = LCH

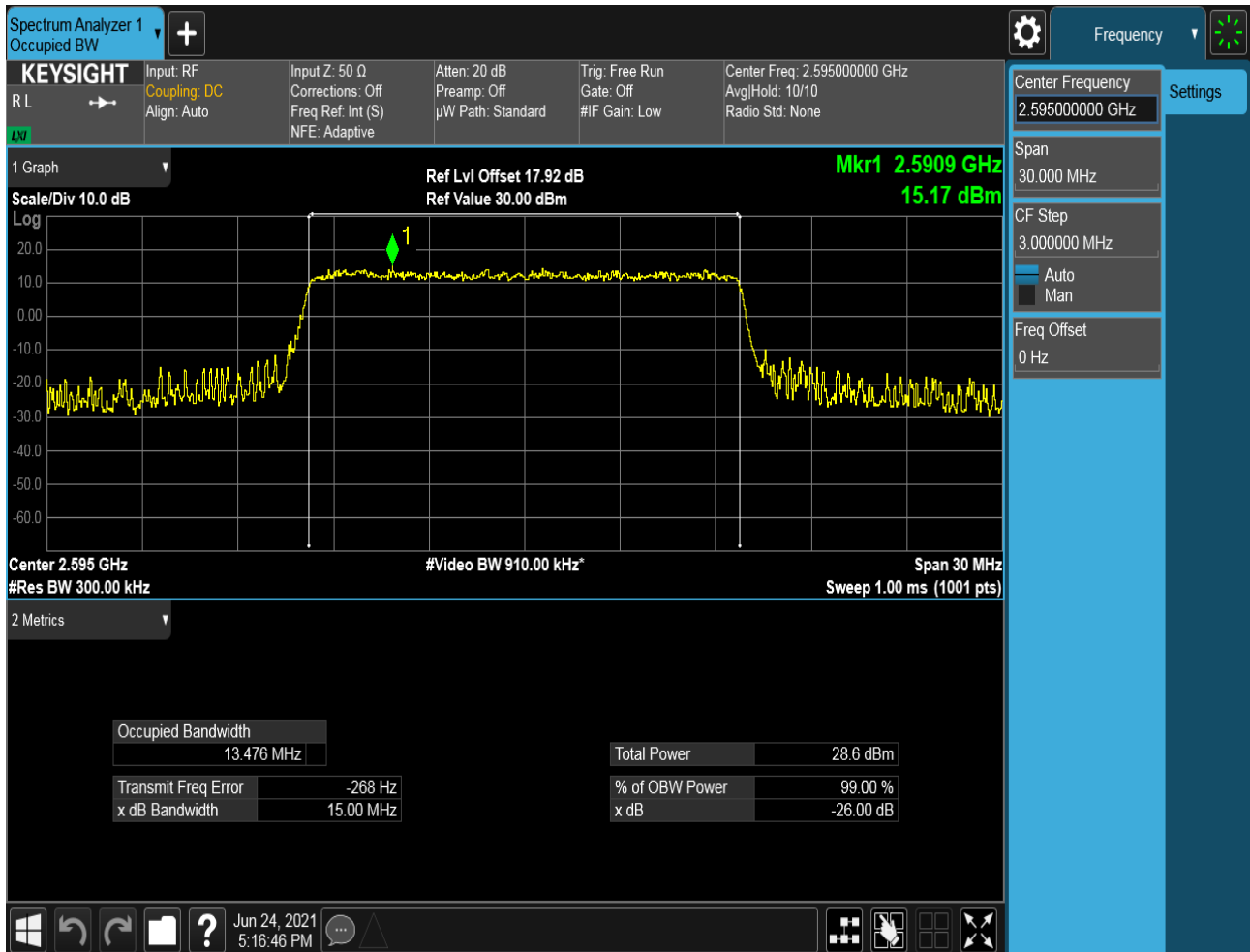
##### 4.1.1.2.3.1.1 Test RB = RB75#0





## 4.1.1.2.3.2 Test Channel = MCH

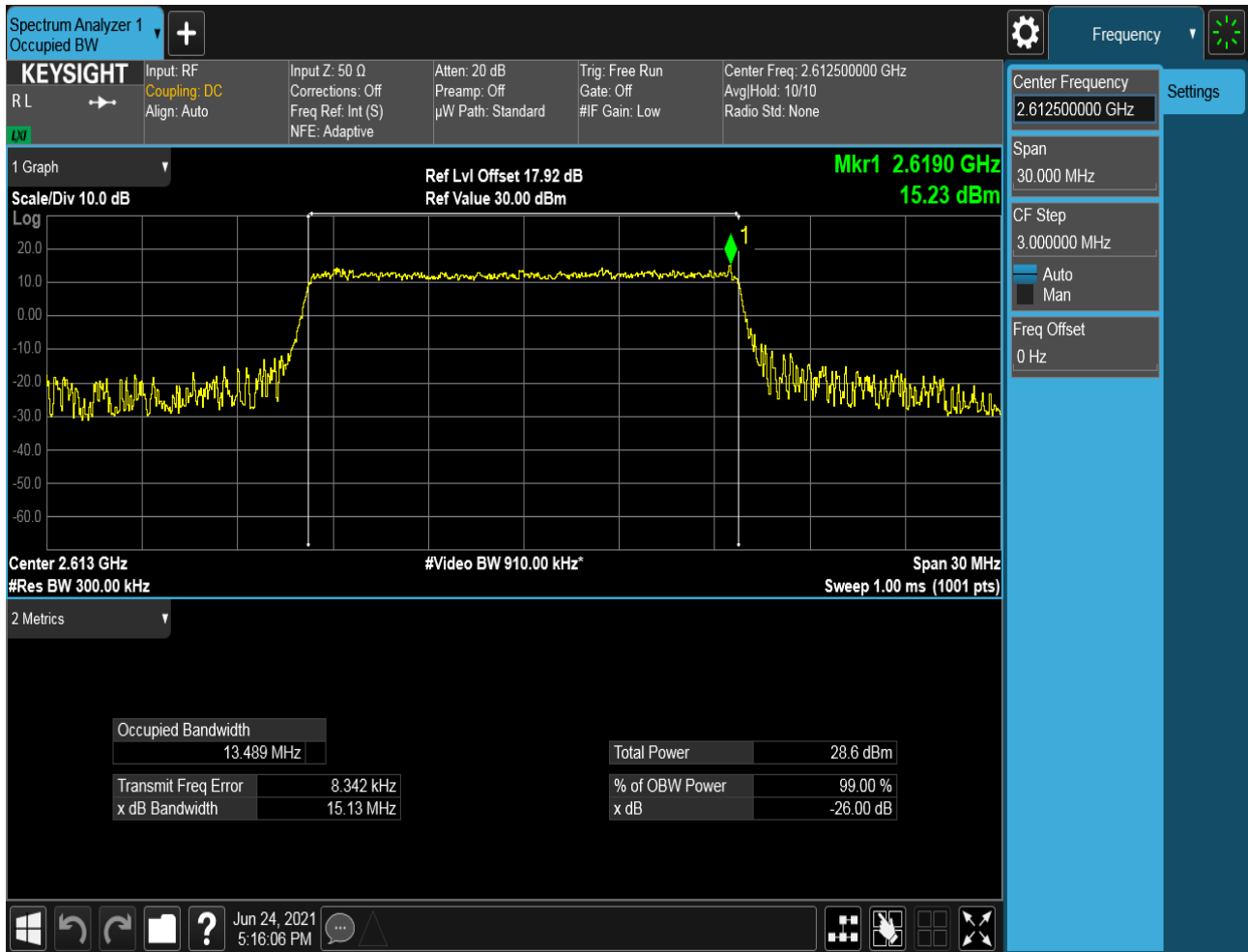
## 4.1.1.2.3.2.1 Test RB = RB75#0





## 4.1.1.2.3.3 Test Channel = HCH

## 4.1.1.2.3.3.1 Test RB = RB75#0

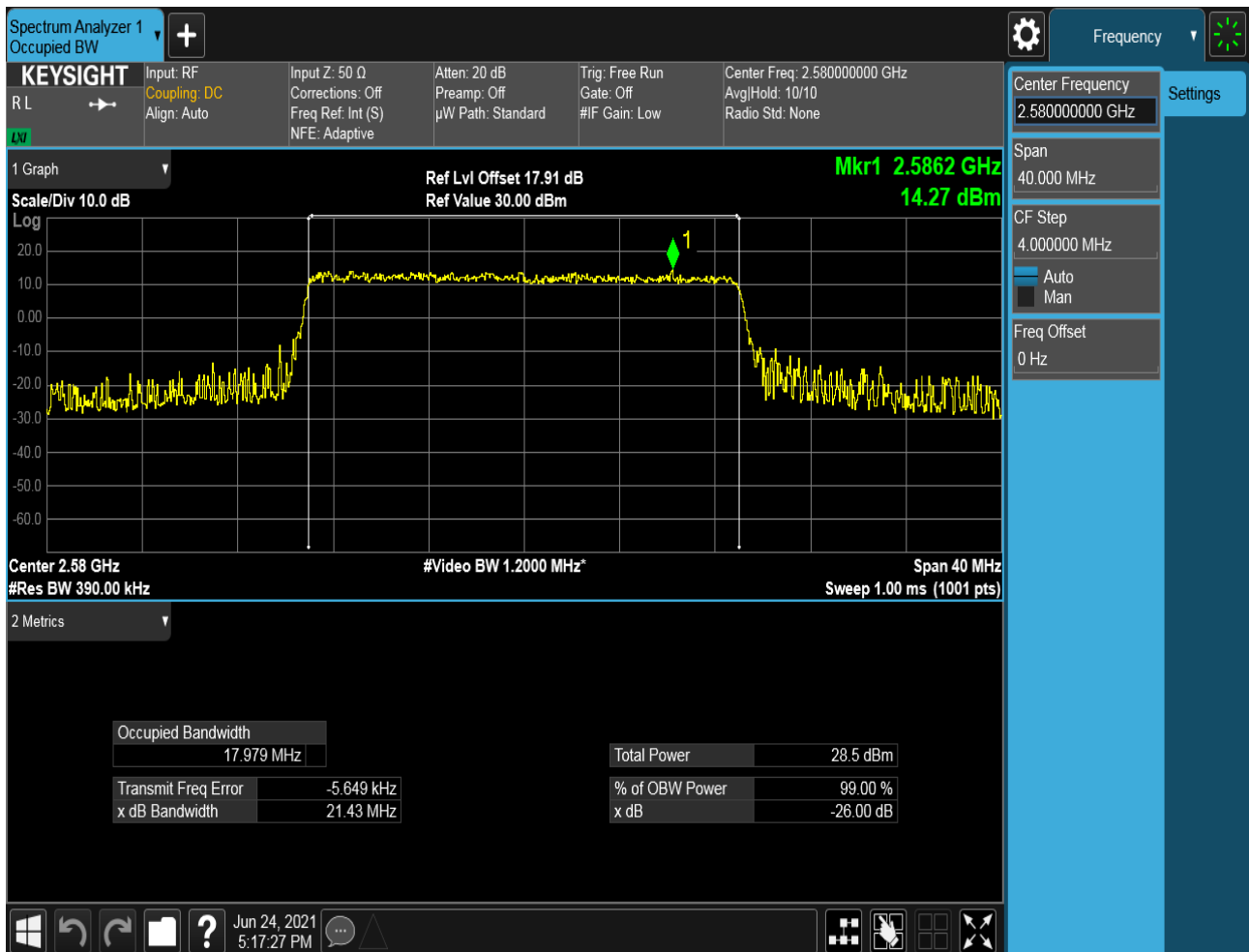




#### 4.1.1.2.4 Test Bandwidth = 20MHz

##### 4.1.1.2.4.1 Test Channel = LCH

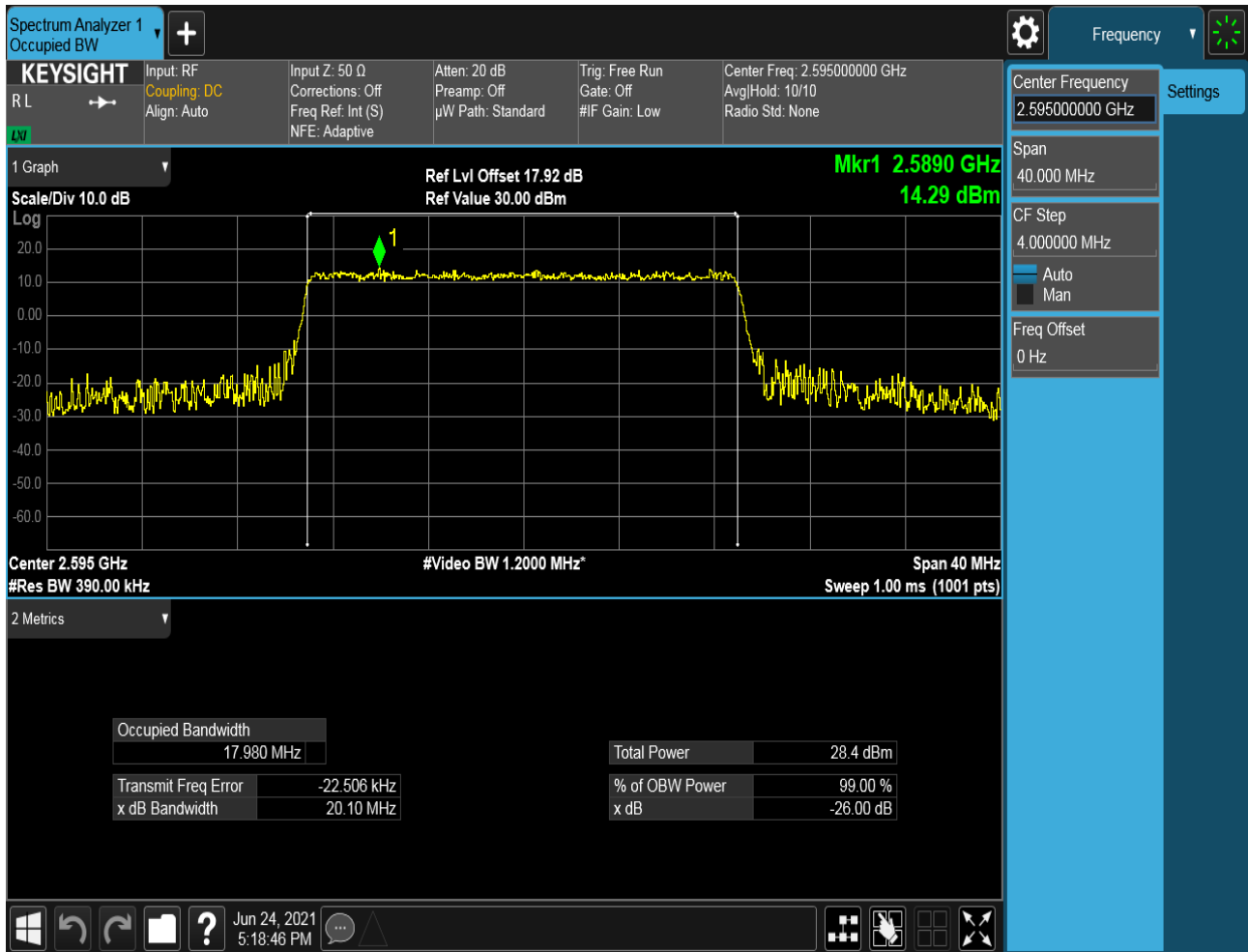
##### 4.1.1.2.4.1.1 Test RB = RB100#0





## 4.1.1.2.4.2 Test Channel = MCH

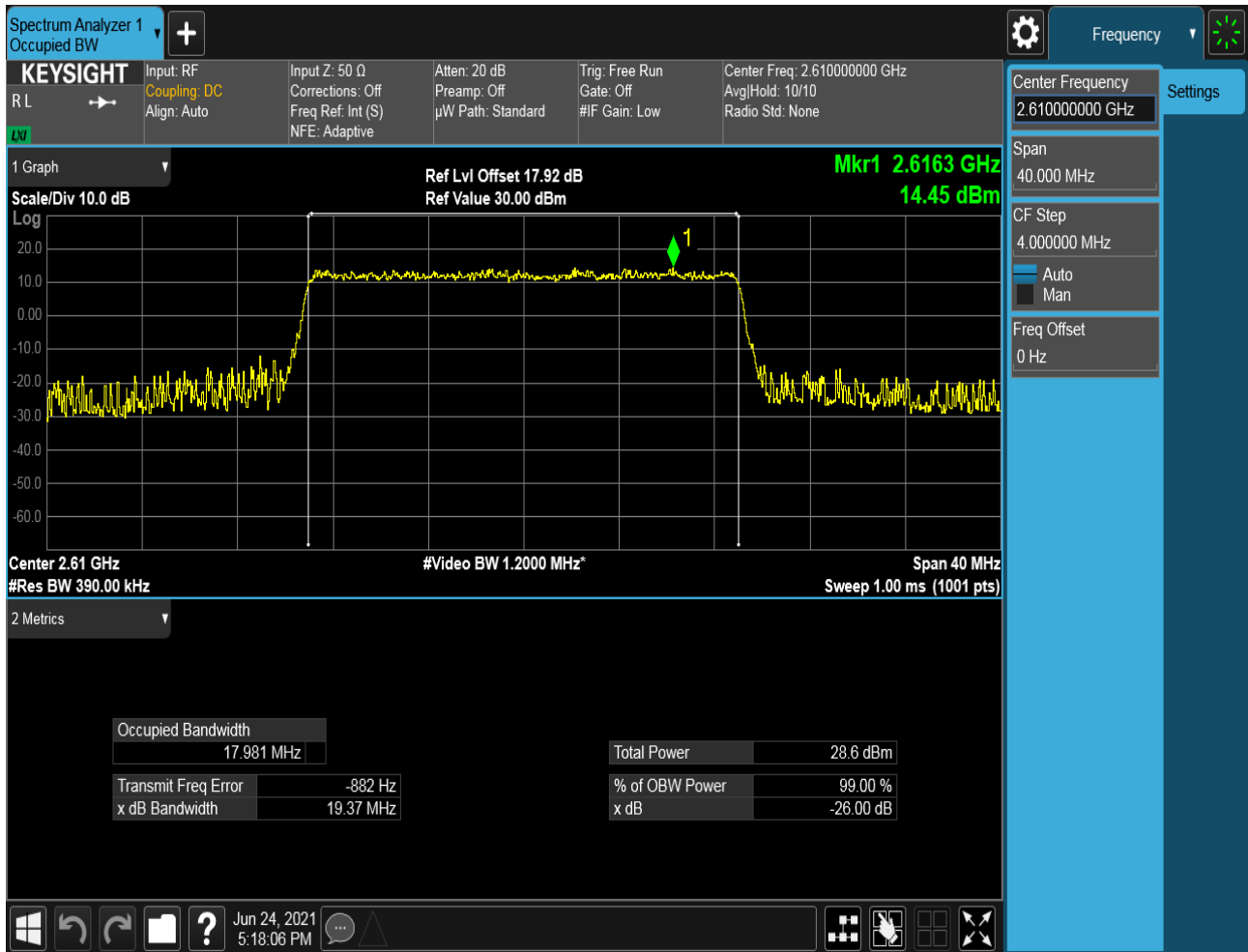
## 4.1.1.2.4.2.1 Test RB = RB100#0





## 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

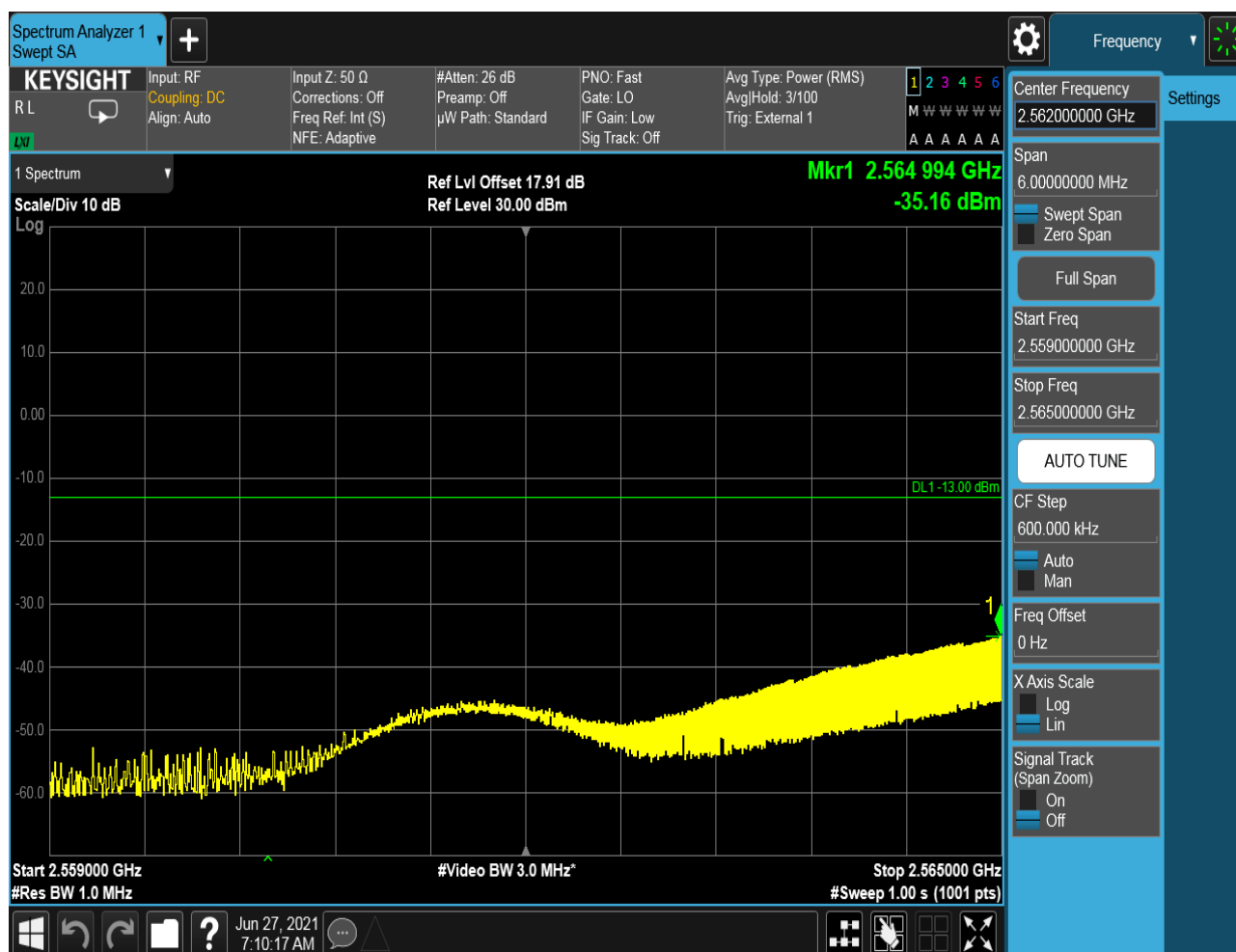
##### 5.1.1 Test Band = Band38

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

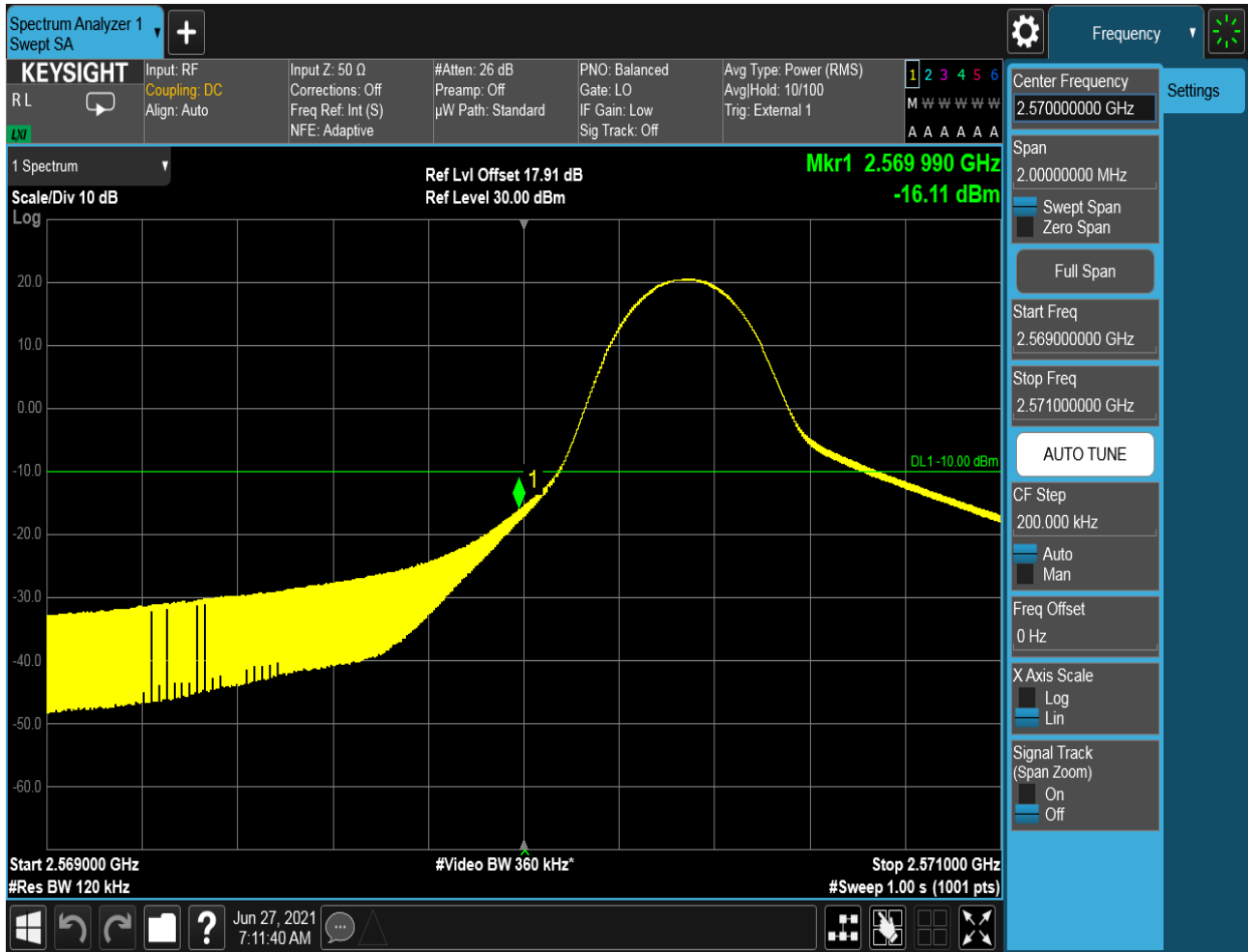
##### 5.1.1.1.1 Test Bandwidth = 5MHz

##### 5.1.1.1.1.1 Test Channel = LCH

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

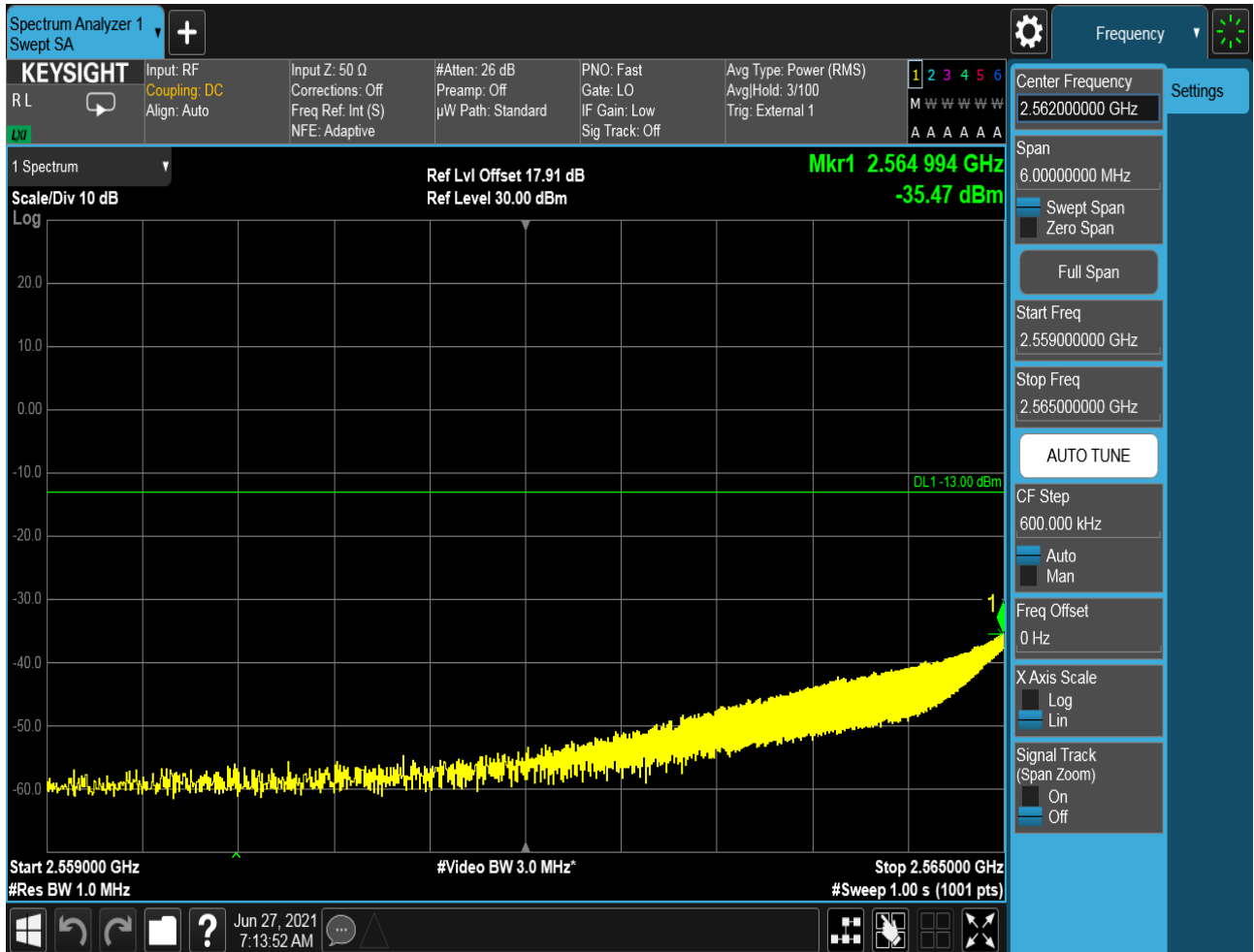


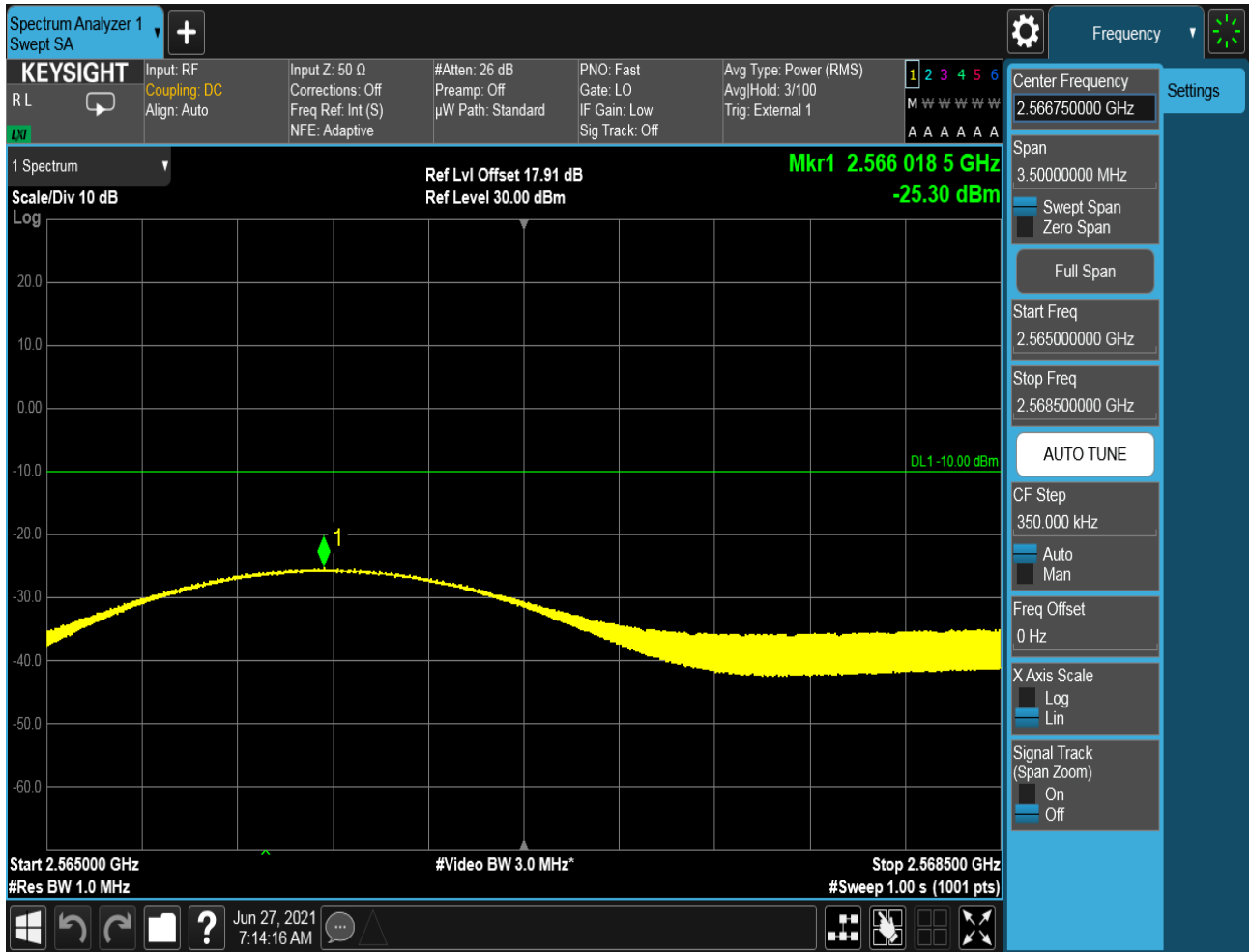


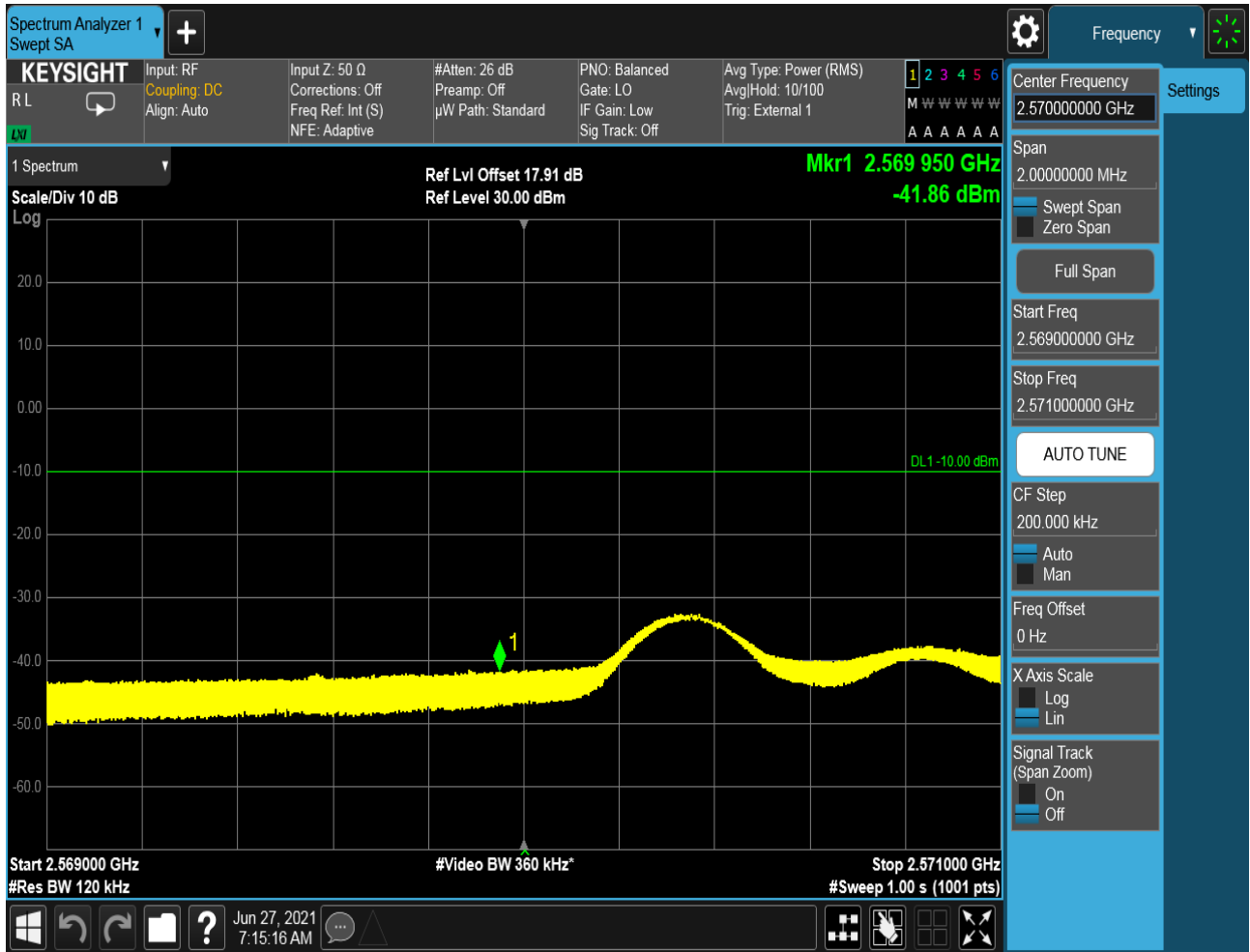




## 5.1.1.1.1.2 Test RB = RB1#24

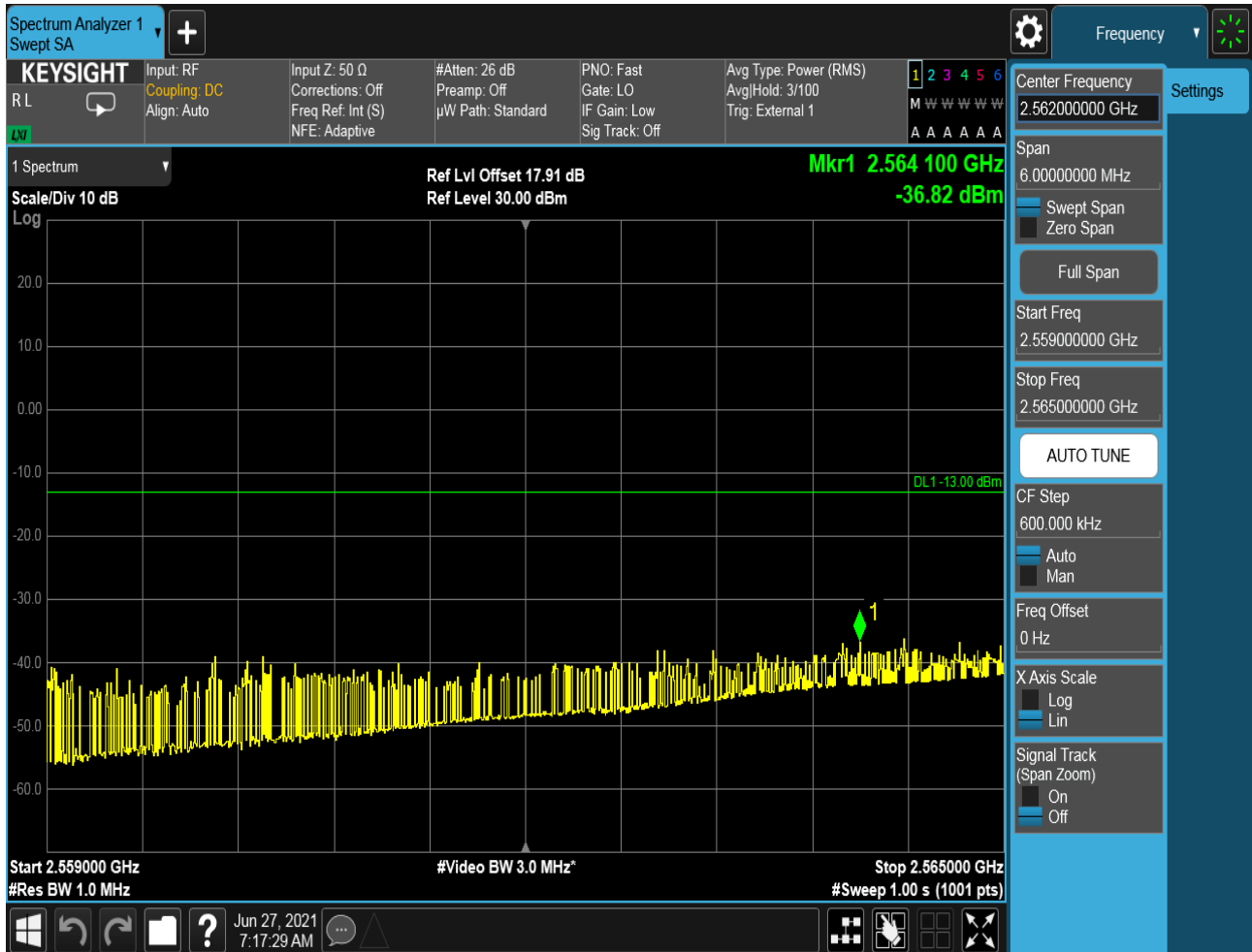


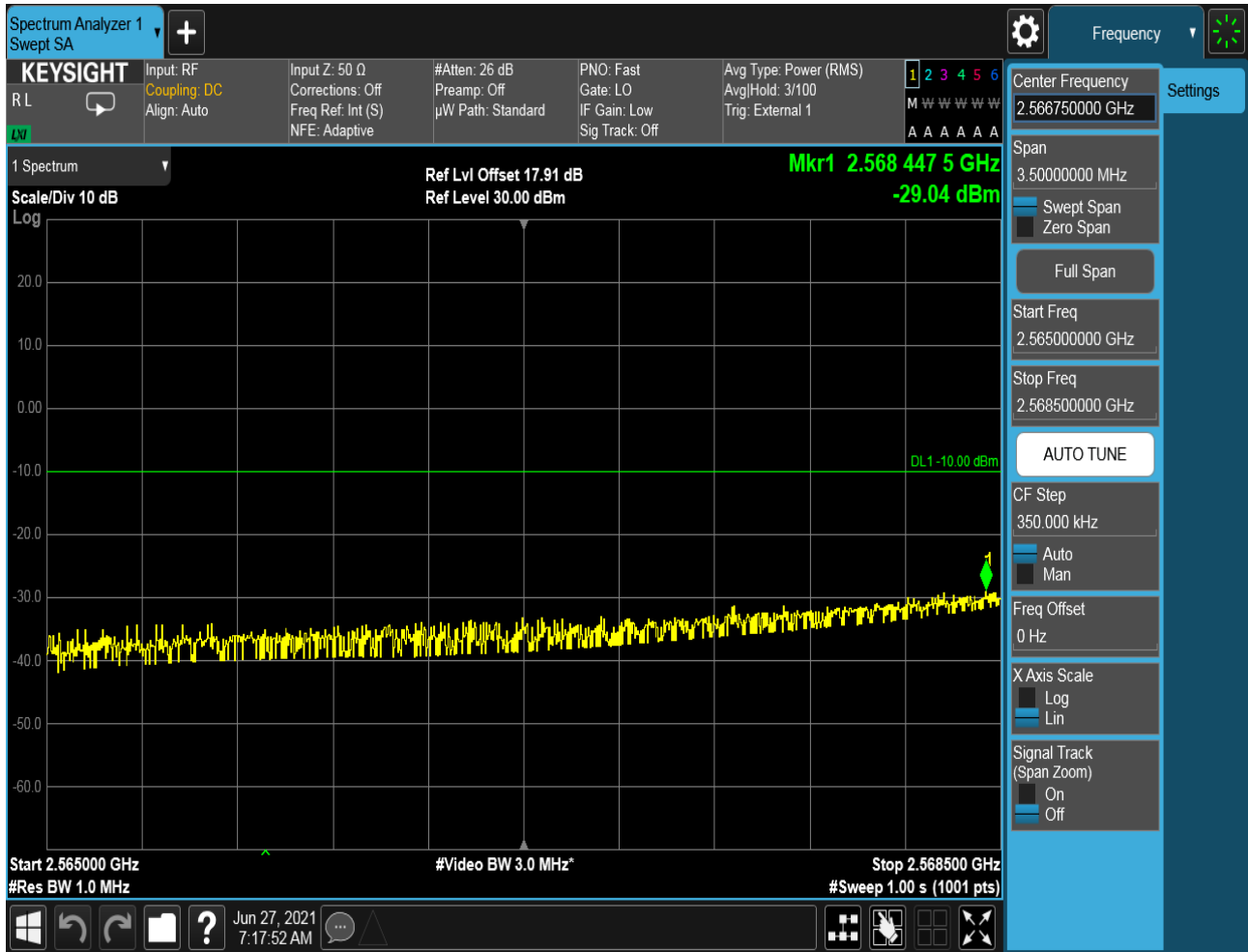


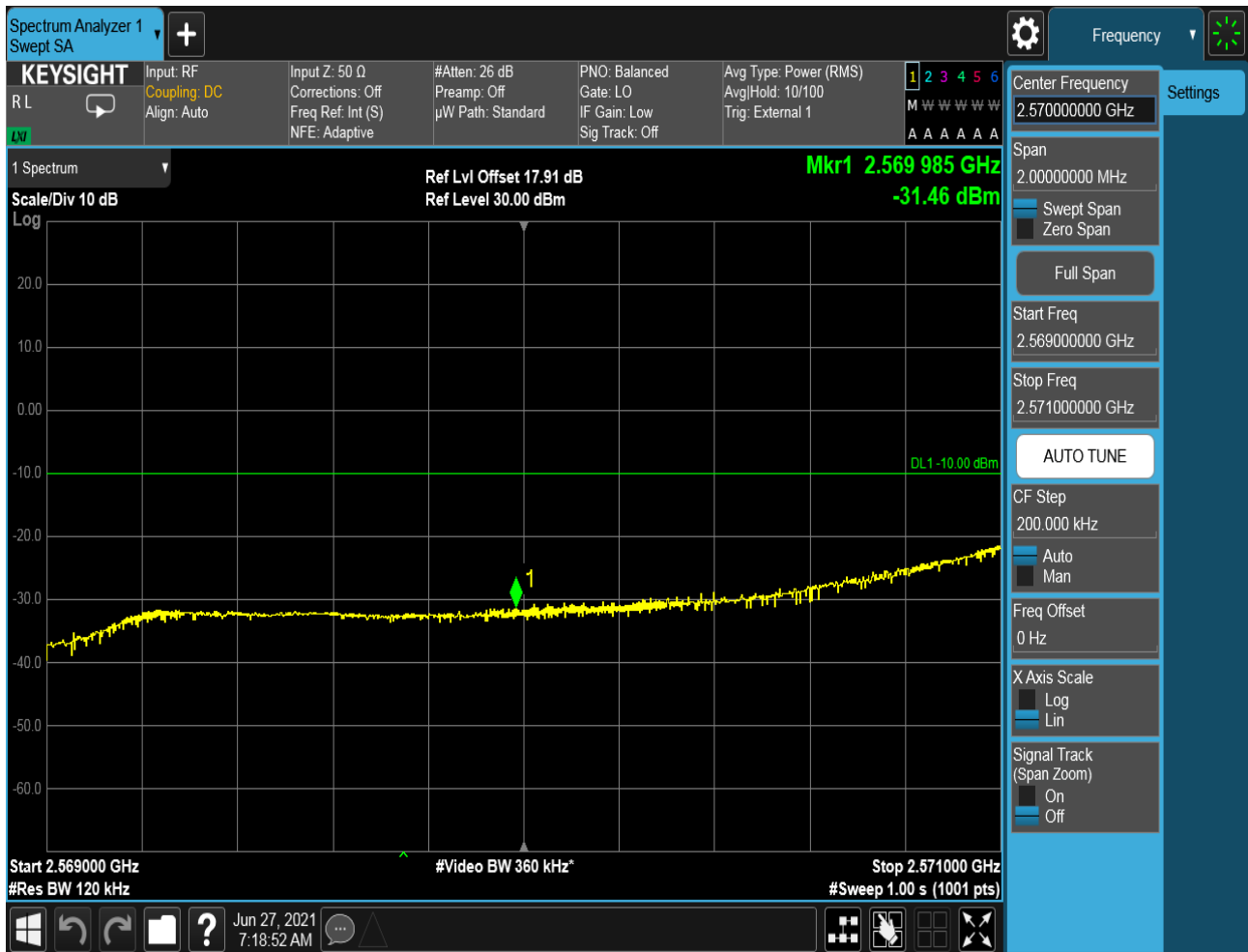




## 5.1.1.1.1.3 Test RB = RB12#6

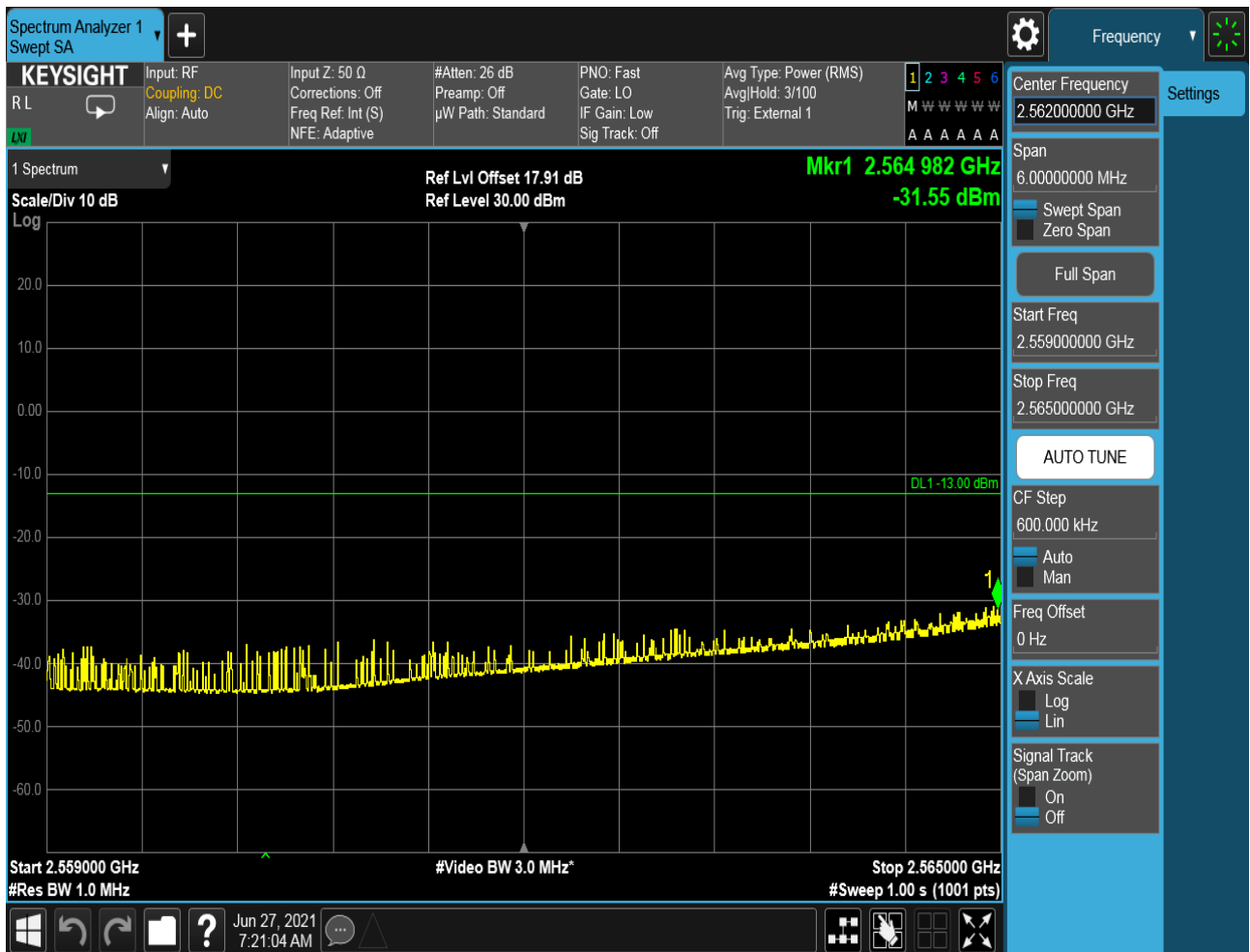


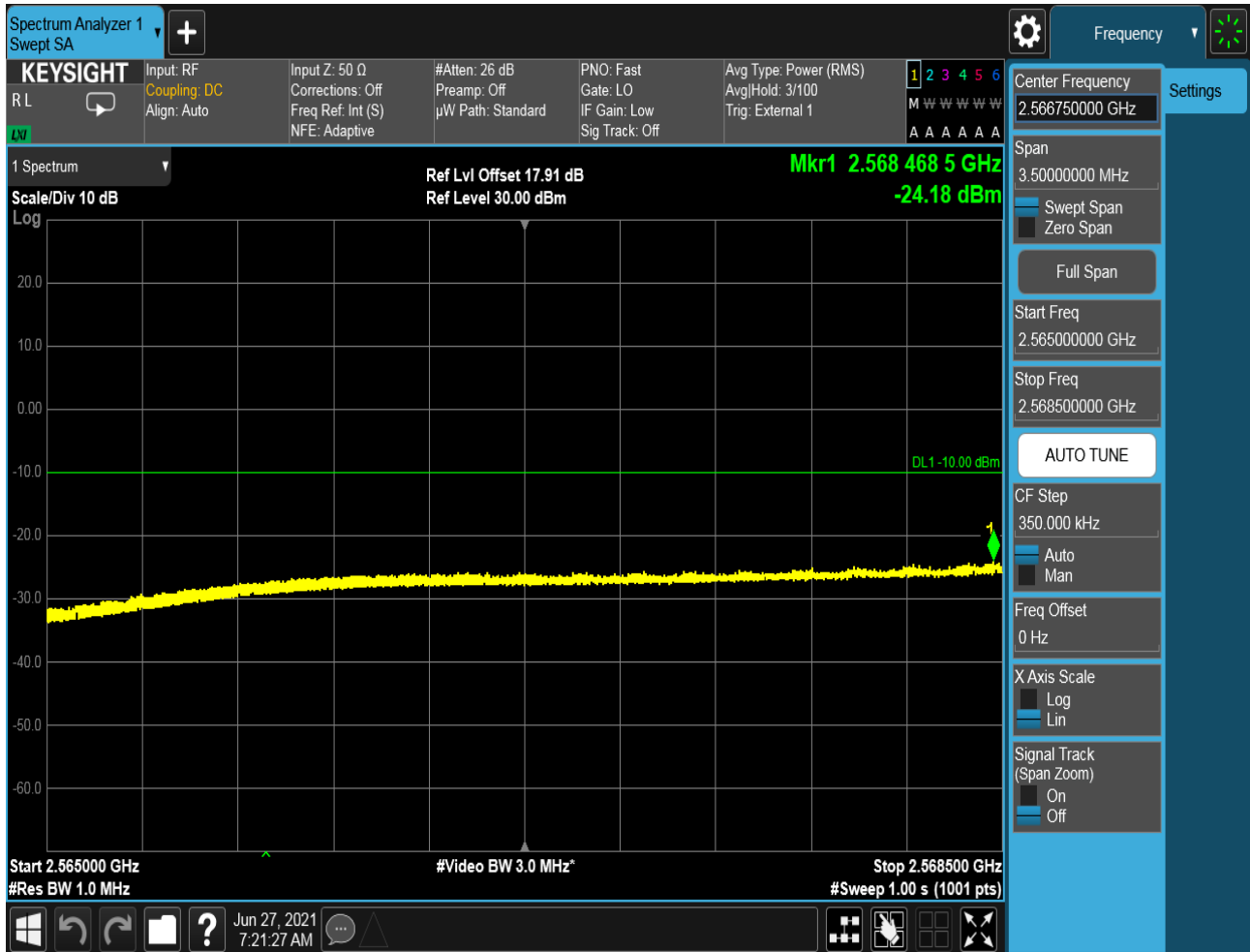


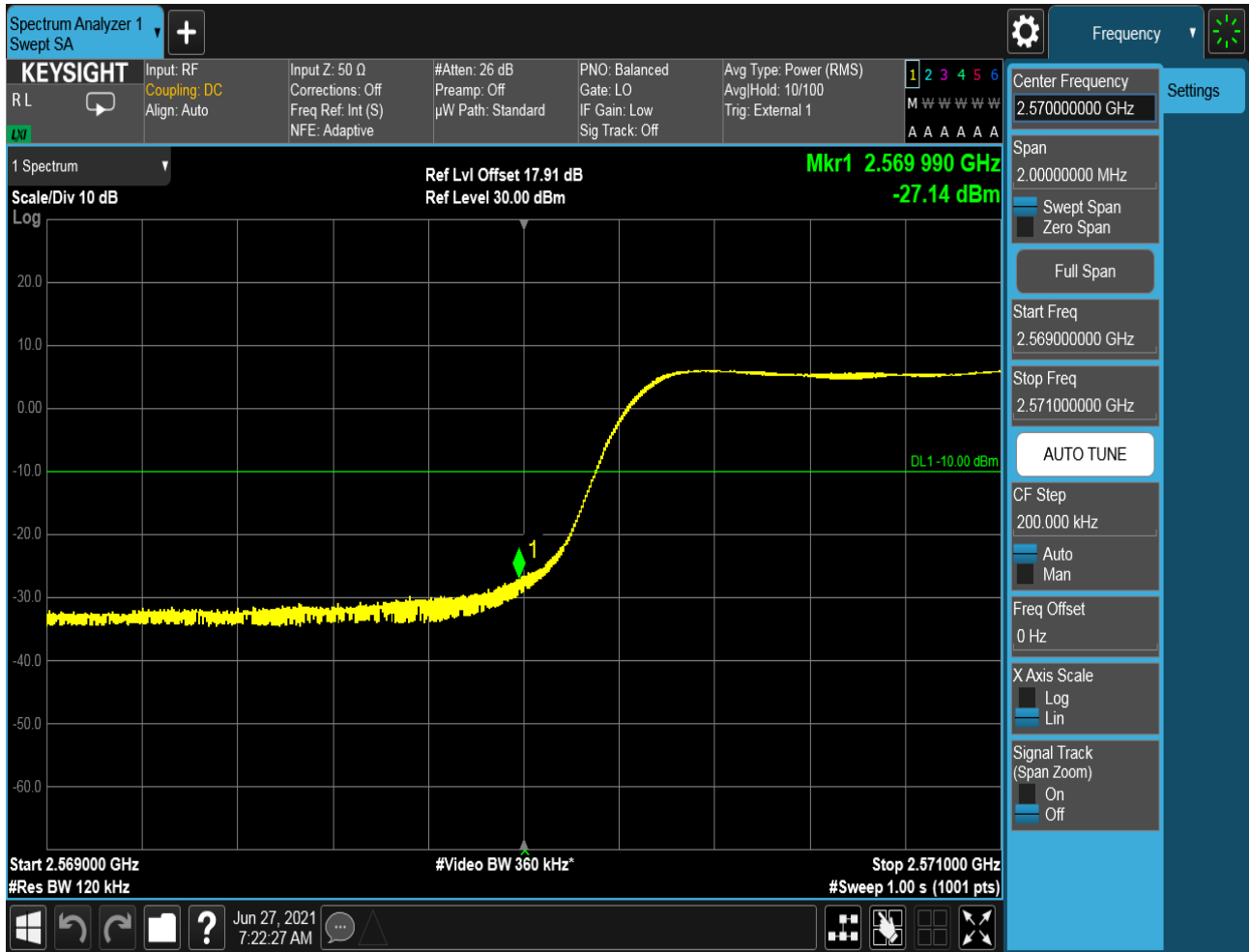




## 5.1.1.1.1.4 Test RB = RB25#0



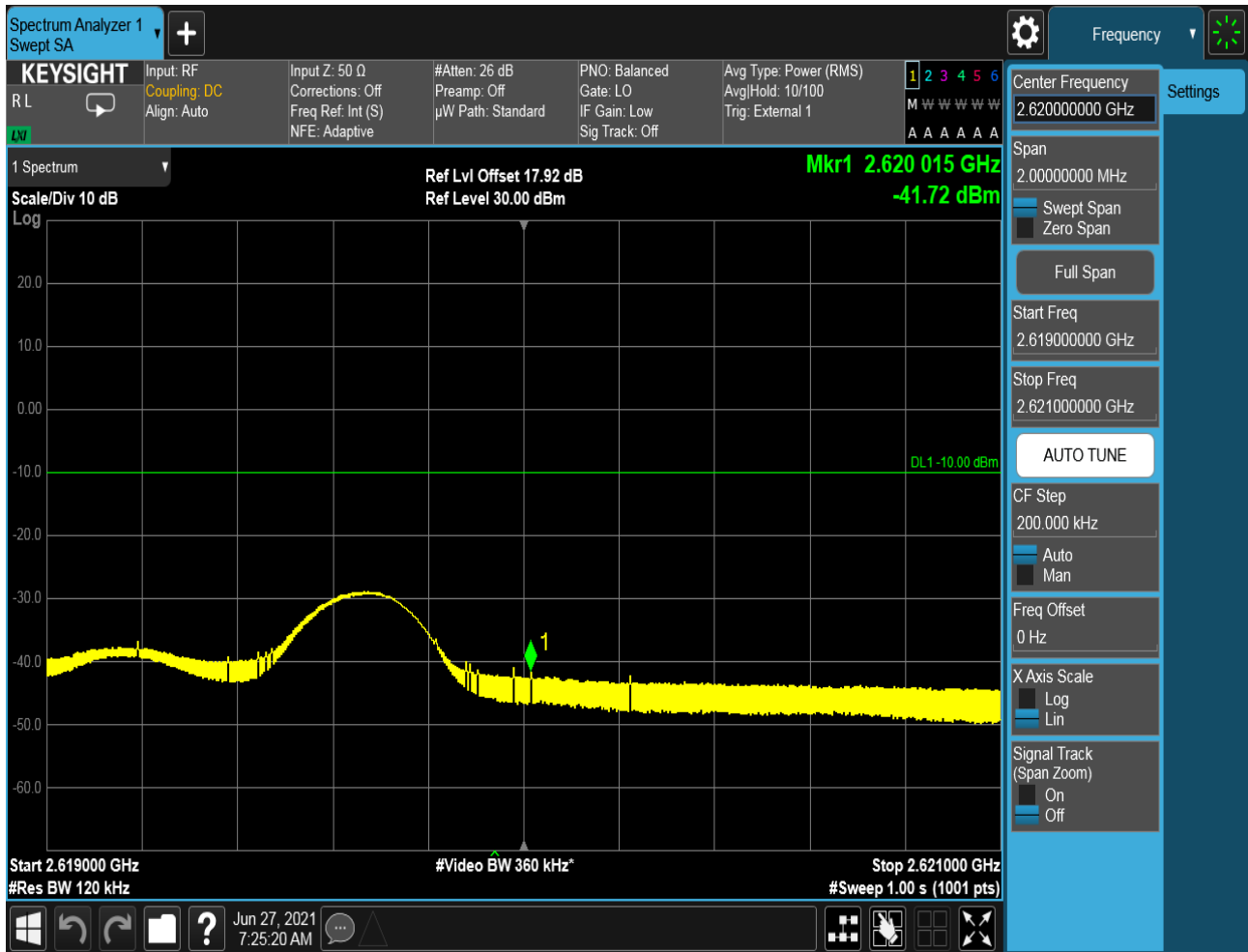


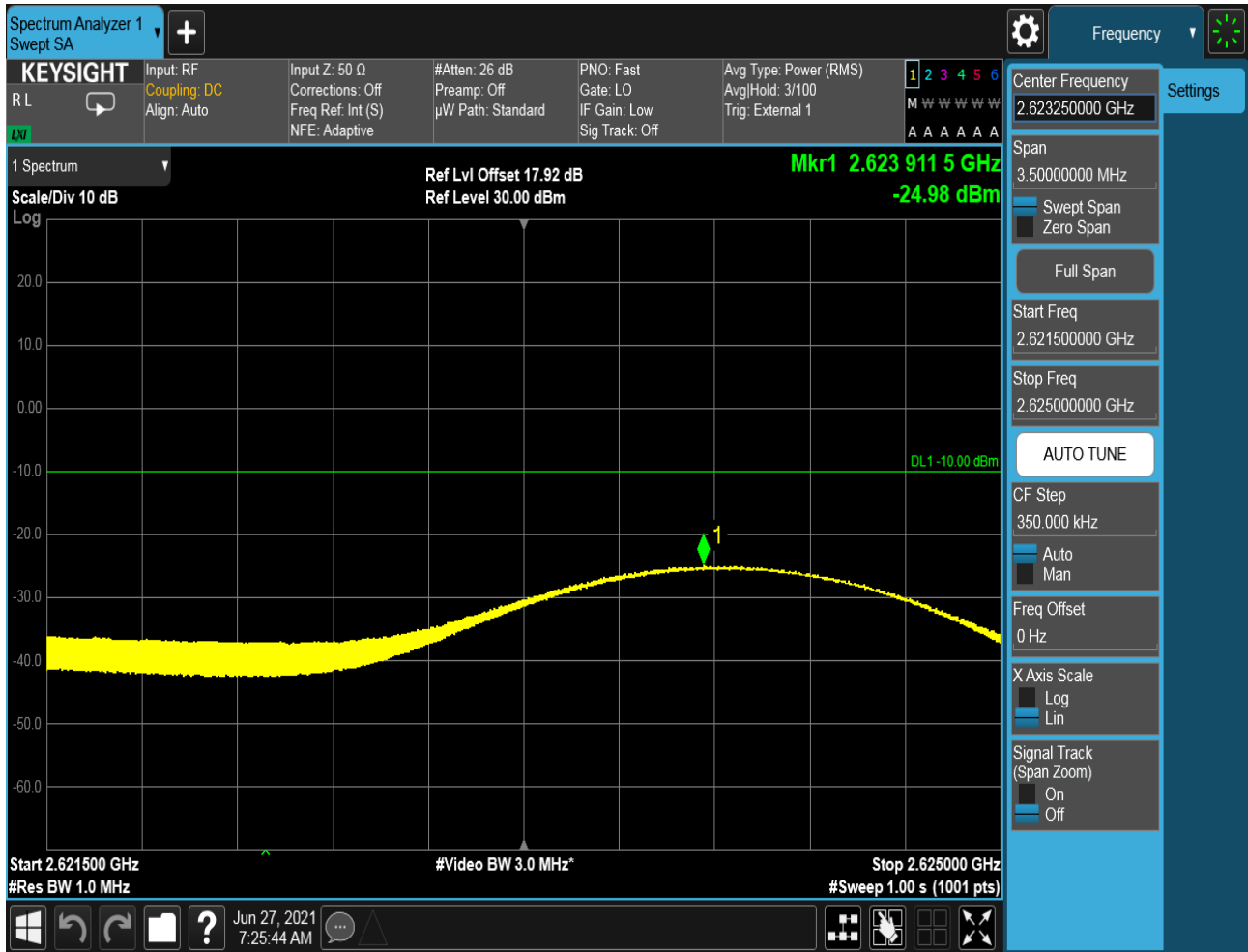


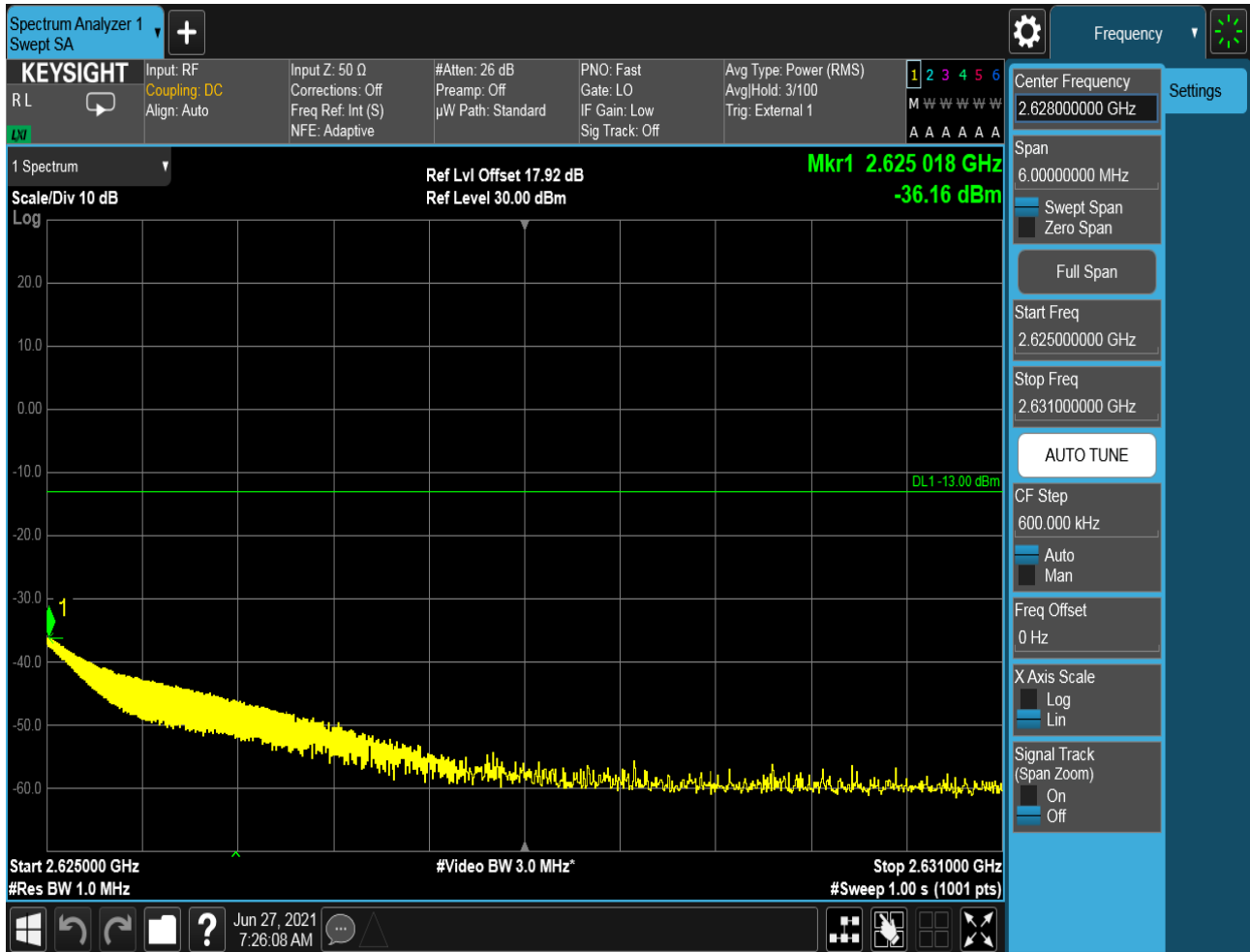


## 5.1.1.1.1.2 Test Channel = HCH

## 5.1.1.1.1.2.1 Test RB = RB1#0









## 5.1.1.1.2.2 Test RB = RB1#24

