



## 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 |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
| BAND4          | LTE/TM1   | 1.4            | LCH          | RB1#0   | 22.72         | 22.02      | 30          | PASS    |
|                |           |                |              | RB1#3   | 22.75         | 22.05      | 30          | PASS    |
|                |           |                |              | RB1#5   | 22.7          | 22         | 30          | PASS    |
|                |           |                |              | RB3#0   | 22.7          | 22         | 30          | PASS    |
|                |           |                |              | RB3#2   | 22.86         | 22.16      | 30          | PASS    |
|                |           |                |              | RB3#3   | 22.83         | 22.13      | 30          | PASS    |
|                |           |                |              | RB6#0   | 21.74         | 21.04      | 30          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.94         | 22.24      | 30          | PASS    |
|                |           |                |              | RB1#3   | 22.99         | 22.29      | 30          | PASS    |
|                |           |                |              | RB1#5   | 22.94         | 22.24      | 30          | PASS    |
|                |           |                |              | RB3#0   | 22.93         | 22.23      | 30          | PASS    |
|                |           |                |              | RB3#2   | 22.98         | 22.28      | 30          | PASS    |
|                |           |                |              | RB3#3   | 22.86         | 22.16      | 30          | PASS    |
|                |           |                |              | RB6#0   | 21.91         | 21.21      | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 22.74         | 22.04      | 30          | PASS    |
|                |           |                |              | RB1#3   | 22.79         | 22.09      | 30          | PASS    |
|                |           |                |              | RB1#5   | 22.64         | 21.94      | 30          | PASS    |
|                |           |                |              | RB3#0   | 22.73         | 22.03      | 30          | PASS    |
|                |           |                |              | RB3#2   | 22.86         | 22.16      | 30          | PASS    |
|                |           |                |              | RB3#3   | 22.8          | 22.1       | 30          | PASS    |
|                |           |                |              | RB6#0   | 21.84         | 21.14      | 30          | PASS    |
|                |           | 3              | LCH          | RB1#0   | 22.76         | 22.06      | 30          | PASS    |
|                |           |                |              | RB1#7   | 22.87         | 22.17      | 30          | PASS    |
|                |           |                |              | RB1#14  | 22.91         | 22.21      | 30          | PASS    |
|                |           |                |              | RB8#0   | 21.85         | 21.15      | 30          | PASS    |
|                |           |                |              | RB8#4   | 21.79         | 21.09      | 30          | PASS    |
|                |           |                |              | RB8#7   | 21.76         | 21.06      | 30          | PASS    |
|                |           |                |              | RB15#0  | 21.86         | 21.16      | 30          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.99         | 22.29      | 30          | PASS    |
|                |           |                |              | RB1#7   | 23.04         | 22.34      | 30          | PASS    |
|                |           |                |              | RB1#14  | 23            | 22.3       | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB8#0   | 22.01         | 21.31      | 30          | PASS    |
|                |           |                |              | RB8#4   | 22.04         | 21.34      | 30          | PASS    |
|                |           |                |              | RB8#7   | 22.02         | 21.32      | 30          | PASS    |
|                |           |                |              | RB15#0  | 22.02         | 21.32      | 30          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.8          | 22.1       | 30          | PASS    |
|                |           |                |              | RB1#7   | 22.89         | 22.19      | 30          | PASS    |
|                |           |                |              | RB1#14  | 22.8          | 22.1       | 30          | PASS    |
|                |           |                |              | RB8#0   | 21.84         | 21.14      | 30          | PASS    |
|                |           |                |              | RB8#4   | 21.87         | 21.17      | 30          | PASS    |
|                |           |                |              | RB8#7   | 21.86         | 21.16      | 30          | PASS    |
|                |           |                |              | RB15#0  | 21.83         | 21.13      | 30          | PASS    |
|                |           | 5              | LCH          | RB1#0   | 22.7          | 22         | 30          | PASS    |
|                |           |                |              | RB1#13  | 22.8          | 22.1       | 30          | PASS    |
|                |           |                |              | RB1#24  | 22.73         | 22.03      | 30          | PASS    |
|                |           |                |              | RB12#0  | 21.72         | 21.02      | 30          | PASS    |
|                |           |                |              | RB12#6  | 21.78         | 21.08      | 30          | PASS    |
|                |           |                |              | RB12#13 | 21.78         | 21.08      | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB25#0  | 21.76         | 21.06      | 30          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.79         | 22.09      | 30          | PASS    |
|                |           |                |              | RB1#13  | 22.97         | 22.27      | 30          | PASS    |
|                |           |                |              | RB1#24  | 22.88         | 22.18      | 30          | PASS    |
|                |           |                |              | RB12#0  | 21.9          | 21.2       | 30          | PASS    |
|                |           |                |              | RB12#6  | 21.96         | 21.26      | 30          | PASS    |
|                |           |                |              | RB12#13 | 21.93         | 21.23      | 30          | PASS    |
|                |           |                |              | RB25#0  | 21.91         | 21.21      | 30          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.72         | 22.02      | 30          | PASS    |
|                |           |                |              | RB1#13  | 22.76         | 22.06      | 30          | PASS    |
|                |           |                |              | RB1#24  | 22.56         | 21.86      | 30          | PASS    |
|                |           |                |              | RB12#0  | 21.91         | 21.21      | 30          | PASS    |
|                |           |                |              | RB12#6  | 21.96         | 21.26      | 30          | PASS    |
|                |           |                |              | RB12#13 | 21.93         | 21.23      | 30          | PASS    |
|                |           |                |              | RB25#0  | 21.93         | 21.23      | 30          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.88         | 22.18      | 30          | PASS    |
|                |           |                |              | RB1#25  | 23.23         | 22.53      | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#49  | 22.95         | 22.25      | 30          | PASS    |
|                |           |                |              | RB25#0  | 21.89         | 21.19      | 30          | PASS    |
|                |           |                |              | RB25#13 | 21.92         | 21.22      | 30          | PASS    |
|                |           |                |              | RB25#25 | 21.79         | 21.09      | 30          | PASS    |
|                |           |                |              | RB50#0  | 21.79         | 21.09      | 30          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.84         | 22.14      | 30          | PASS    |
|                |           |                |              | RB1#25  | 23.13         | 22.43      | 30          | PASS    |
|                |           |                |              | RB1#49  | 22.92         | 22.22      | 30          | PASS    |
|                |           |                |              | RB25#0  | 21.95         | 21.25      | 30          | PASS    |
|                |           |                |              | RB25#13 | 21.97         | 21.27      | 30          | PASS    |
|                |           |                |              | RB25#25 | 21.87         | 21.17      | 30          | PASS    |
|                |           |                |              | RB50#0  | 21.89         | 21.19      | 30          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.92         | 22.22      | 30          | PASS    |
|                |           |                |              | RB1#25  | 23.38         | 22.68      | 30          | PASS    |
|                |           |                |              | RB1#49  | 22.91         | 22.21      | 30          | PASS    |
|                |           |                |              | RB25#0  | 22.16         | 21.46      | 30          | PASS    |
|                |           |                |              | RB25#13 | 22.13         | 21.43      | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB25#25 | 21.91         | 21.21      | 30          | PASS    |
|                |           |                |              | RB50#0  | 22.03         | 21.33      | 30          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 23.03         | 22.33      | 30          | PASS    |
|                |           |                |              | RB1#38  | 23.11         | 22.41      | 30          | PASS    |
|                |           |                |              | RB1#74  | 22.98         | 22.28      | 30          | PASS    |
|                |           |                |              | RB38#0  | 21.78         | 21.08      | 30          | PASS    |
|                |           |                |              | RB38#19 | 21.84         | 21.14      | 30          | PASS    |
|                |           |                |              | RB38#39 | 21.79         | 21.09      | 30          | PASS    |
|                |           |                |              | RB75#0  | 21.79         | 21.09      | 30          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.69         | 21.99      | 30          | PASS    |
|                |           |                |              | RB1#38  | 22.86         | 22.16      | 30          | PASS    |
|                |           |                |              | RB1#74  | 22.82         | 22.12      | 30          | PASS    |
|                |           |                |              | RB38#0  | 21.98         | 21.28      | 30          | PASS    |
|                |           |                |              | RB38#19 | 21.96         | 21.26      | 30          | PASS    |
|                |           |                |              | RB38#39 | 21.86         | 21.16      | 30          | PASS    |
|                |           |                |              | RB75#0  | 21.85         | 21.15      | 30          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.9          | 22.2       | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#38  | 23.01         | 22.31      | 30          | PASS    |
|                |           |                |              | RB1#74  | 22.87         | 22.17      | 30          | PASS    |
|                |           |                |              | RB38#0  | 22.04         | 21.34      | 30          | PASS    |
|                |           |                |              | RB38#19 | 22.09         | 21.39      | 30          | PASS    |
|                |           |                |              | RB38#39 | 22.02         | 21.32      | 30          | PASS    |
|                |           |                |              | RB75#0  | 22.03         | 21.33      | 30          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.28         | 21.58      | 30          | PASS    |
|                |           |                |              | RB1#50  | 22.5          | 21.8       | 30          | PASS    |
|                |           |                |              | RB1#99  | 22.56         | 21.86      | 30          | PASS    |
|                |           |                |              | RB50#0  | 21.78         | 21.08      | 30          | PASS    |
|                |           |                |              | RB50#25 | 21.86         | 21.16      | 30          | PASS    |
|                |           |                |              | RB50#50 | 21.75         | 21.05      | 30          | PASS    |
|                |           |                |              | RB100#0 | 21.77         | 21.07      | 30          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.52         | 21.82      | 30          | PASS    |
|                |           |                |              | RB1#50  | 23.29         | 22.59      | 30          | PASS    |
|                |           |                |              | RB1#99  | 22.68         | 21.98      | 30          | PASS    |
|                |           |                |              | RB50#0  | 21.95         | 21.25      | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB50#25 | 22            | 21.3       | 30          | PASS    |
|                |           |                |              | RB50#50 | 21.88         | 21.18      | 30          | PASS    |
|                |           |                |              | RB100#0 | 21.88         | 21.18      | 30          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.13         | 22.43      | 30          | PASS    |
|                |           |                |              | RB1#50  | 23.54         | 22.84      | 30          | PASS    |
|                |           |                |              | RB1#99  | 23.06         | 22.36      | 30          | PASS    |
|                |           |                |              | RB50#0  | 22.18         | 21.48      | 30          | PASS    |
|                |           |                |              | RB50#25 | 22.07         | 21.37      | 30          | PASS    |
|                |           |                |              | RB50#50 | 21.97         | 21.27      | 30          | PASS    |
|                |           |                |              | RB100#0 | 21.96         | 21.26      | 30          | PASS    |
|                | LTE/TM2   | 1.4            | LCH          | RB1#0   | 21.44         | 20.74      | 30          | PASS    |
|                |           |                |              | RB1#3   | 21.62         | 20.92      | 30          | PASS    |
|                |           |                |              | RB1#5   | 21.36         | 20.66      | 30          | PASS    |
|                |           |                |              | RB3#0   | 21.89         | 21.19      | 30          | PASS    |
|                |           |                |              | RB3#2   | 22.12         | 21.42      | 30          | PASS    |
|                |           |                |              | RB3#3   | 22.08         | 21.38      | 30          | PASS    |
|                |           |                |              | RB6#0   | 20.79         | 20.09      | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                | MCH          | RB1#0   | 22.11         | 21.41      | 30          | PASS    |
|                |           |                |              | RB1#3   | 21.96         | 21.26      | 30          | PASS    |
|                |           |                |              | RB1#5   | 21.54         | 20.84      | 30          | PASS    |
|                |           |                |              | RB3#0   | 21.91         | 21.21      | 30          | PASS    |
|                |           |                |              | RB3#2   | 21.94         | 21.24      | 30          | PASS    |
|                |           |                |              | RB3#3   | 22            | 21.3       | 30          | PASS    |
|                |           |                |              | RB6#0   | 20.97         | 20.27      | 30          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.2          | 20.5       | 30          | PASS    |
|                |           |                |              | RB1#3   | 21.33         | 20.63      | 30          | PASS    |
|                |           |                |              | RB1#5   | 21.21         | 20.51      | 30          | PASS    |
|                |           |                |              | RB3#0   | 21.1          | 20.4       | 30          | PASS    |
|                |           |                |              | RB3#2   | 21.71         | 21.01      | 30          | PASS    |
|                |           |                |              | RB3#3   | 21.7          | 21         | 30          | PASS    |
|                |           |                |              | RB6#0   | 20.86         | 20.16      | 30          | PASS    |
|                |           | 3              | LCH          | RB1#0   | 21.89         | 21.19      | 30          | PASS    |
|                |           |                |              | RB1#7   | 22.01         | 21.31      | 30          | PASS    |
|                |           |                |              | RB1#14  | 21.89         | 21.19      | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB8#0   | 20.62         | 19.92      | 30          | PASS    |
|                |           |                |              | RB8#4   | 20.66         | 19.96      | 30          | PASS    |
|                |           |                |              | RB8#7   | 20.74         | 20.04      | 30          | PASS    |
|                |           |                |              | RB15#0  | 20.67         | 19.97      | 30          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.53         | 20.83      | 30          | PASS    |
|                |           |                |              | RB1#7   | 21.48         | 20.78      | 30          | PASS    |
|                |           |                |              | RB1#14  | 21.44         | 20.74      | 30          | PASS    |
|                |           |                |              | RB8#0   | 20.93         | 20.23      | 30          | PASS    |
|                |           |                |              | RB8#4   | 20.97         | 20.27      | 30          | PASS    |
|                |           |                |              | RB8#7   | 20.89         | 20.19      | 30          | PASS    |
|                |           |                |              | RB15#0  | 20.78         | 20.08      | 30          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.67         | 20.97      | 30          | PASS    |
|                |           |                |              | RB1#7   | 21.72         | 21.02      | 30          | PASS    |
|                |           |                |              | RB1#14  | 21.17         | 20.47      | 30          | PASS    |
|                |           |                |              | RB8#0   | 20.88         | 20.18      | 30          | PASS    |
|                |           |                |              | RB8#4   | 20.82         | 20.12      | 30          | PASS    |
|                |           |                |              | RB8#7   | 20.92         | 20.22      | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           | 5              |              | RB15#0  | 20.91         | 20.21      | 30          | PASS    |
|                |           |                |              | RB1#0   | 21.31         | 20.61      | 30          | PASS    |
|                |           |                | LCH          | RB1#13  | 20.94         | 20.24      | 30          | PASS    |
|                |           |                |              | RB1#24  | 21.27         | 20.57      | 30          | PASS    |
|                |           |                |              | RB12#0  | 20.89         | 20.19      | 30          | PASS    |
|                |           |                |              | RB12#6  | 20.69         | 19.99      | 30          | PASS    |
|                |           |                |              | RB12#13 | 20.69         | 19.99      | 30          | PASS    |
|                |           |                |              | RB25#0  | 20.79         | 20.09      | 30          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.2          | 20.5       | 30          | PASS    |
|                |           |                |              | RB1#13  | 21.31         | 20.61      | 30          | PASS    |
|                |           |                |              | RB1#24  | 21.23         | 20.53      | 30          | PASS    |
|                |           |                |              | RB12#0  | 20.57         | 19.87      | 30          | PASS    |
|                |           |                |              | RB12#6  | 20.63         | 19.93      | 30          | PASS    |
|                |           |                |              | RB12#13 | 20.6          | 19.9       | 30          | PASS    |
|                |           |                |              | RB25#0  | 20.82         | 20.12      | 30          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.14         | 21.44      | 30          | PASS    |
|                |           |                |              | RB1#13  | 22.09         | 21.39      | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#24  | 21.87         | 21.17      | 30          | PASS    |
|                |           |                |              | RB12#0  | 21.02         | 20.32      | 30          | PASS    |
|                |           |                |              | RB12#6  | 20.9          | 20.2       | 30          | PASS    |
|                |           |                |              | RB12#13 | 20.86         | 20.16      | 30          | PASS    |
|                |           |                |              | RB25#0  | 20.9          | 20.2       | 30          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 21.91         | 21.21      | 30          | PASS    |
|                |           |                |              | RB1#25  | 21.83         | 21.13      | 30          | PASS    |
|                |           |                |              | RB1#49  | 21.71         | 21.01      | 30          | PASS    |
|                |           |                |              | RB25#0  | 20.74         | 20.04      | 30          | PASS    |
|                |           |                |              | RB25#13 | 20.98         | 20.28      | 30          | PASS    |
|                |           |                |              | RB25#25 | 20.66         | 19.96      | 30          | PASS    |
|                |           |                |              | RB50#0  | 20.77         | 20.07      | 30          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.58         | 20.88      | 30          | PASS    |
|                |           |                |              | RB1#25  | 22.2          | 21.5       | 30          | PASS    |
|                |           |                |              | RB1#49  | 21.65         | 20.95      | 30          | PASS    |
|                |           |                |              | RB25#0  | 20.92         | 20.22      | 30          | PASS    |
|                |           |                |              | RB25#13 | 21.05         | 20.35      | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB25#25 | 20.96         | 20.26      | 30          | PASS    |
|                |           |                |              | RB50#0  | 20.92         | 20.22      | 30          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.44         | 20.74      | 30          | PASS    |
|                |           |                |              | RB1#25  | 21.3          | 20.6       | 30          | PASS    |
|                |           |                |              | RB1#49  | 21.04         | 20.34      | 30          | PASS    |
|                |           |                |              | RB25#0  | 21.21         | 20.51      | 30          | PASS    |
|                |           |                |              | RB25#13 | 21.12         | 20.42      | 30          | PASS    |
|                |           |                |              | RB25#25 | 20.89         | 20.19      | 30          | PASS    |
|                |           |                |              | RB50#0  | 20.97         | 20.27      | 30          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 21.96         | 21.26      | 30          | PASS    |
|                |           |                |              | RB1#38  | 22            | 21.3       | 30          | PASS    |
|                |           |                |              | RB1#74  | 21.14         | 20.44      | 30          | PASS    |
|                |           |                |              | RB38#0  | 20.79         | 20.09      | 30          | PASS    |
|                |           |                |              | RB38#19 | 20.86         | 20.16      | 30          | PASS    |
|                |           |                |              | RB38#39 | 20.7          | 20         | 30          | PASS    |
|                |           |                |              | RB75#0  | 20.79         | 20.09      | 30          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.5          | 20.8       | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#38  | 22.03         | 21.33      | 30          | PASS    |
|                |           |                |              | RB1#74  | 21.7          | 21         | 30          | PASS    |
|                |           |                |              | RB38#0  | 20.71         | 20.01      | 30          | PASS    |
|                |           |                |              | RB38#19 | 20.81         | 20.11      | 30          | PASS    |
|                |           |                |              | RB38#39 | 20.8          | 20.1       | 30          | PASS    |
|                |           |                |              | RB75#0  | 20.84         | 20.14      | 30          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.36         | 20.66      | 30          | PASS    |
|                |           |                |              | RB1#38  | 21.3          | 20.6       | 30          | PASS    |
|                |           |                |              | RB1#74  | 21.02         | 20.32      | 30          | PASS    |
|                |           |                |              | RB38#0  | 20.96         | 20.26      | 30          | PASS    |
|                |           |                |              | RB38#19 | 21.02         | 20.32      | 30          | PASS    |
|                |           |                |              | RB38#39 | 20.93         | 20.23      | 30          | PASS    |
|                |           |                |              | RB75#0  | 21.13         | 20.43      | 30          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 21.73         | 21.03      | 30          | PASS    |
|                |           |                |              | RB1#50  | 22.3          | 21.6       | 30          | PASS    |
|                |           |                |              | RB1#99  | 22.17         | 21.47      | 30          | PASS    |
|                |           |                |              | RB50#0  | 20.87         | 20.17      | 30          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB50#25 | 20.96         | 20.26      | 30          | PASS    |
|                |           |                |              | RB50#50 | 20.84         | 20.14      | 30          | PASS    |
|                |           |                |              | RB100#0 | 20.78         | 20.08      | 30          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.42         | 20.72      | 30          | PASS    |
|                |           |                |              | RB1#50  | 22.28         | 21.58      | 30          | PASS    |
|                |           |                |              | RB1#99  | 21.66         | 20.96      | 30          | PASS    |
|                |           |                |              | RB50#0  | 20.84         | 20.14      | 30          | PASS    |
|                |           |                |              | RB50#25 | 20.91         | 20.21      | 30          | PASS    |
|                |           |                |              | RB50#50 | 20.8          | 20.1       | 30          | PASS    |
|                |           |                |              | RB100#0 | 20.86         | 20.16      | 30          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.96         | 21.26      | 30          | PASS    |
|                |           |                |              | RB1#50  | 22.77         | 22.07      | 30          | PASS    |
|                |           |                |              | RB1#99  | 21.96         | 21.26      | 30          | PASS    |
|                |           |                |              | RB50#0  | 21.26         | 20.56      | 30          | PASS    |
|                |           |                |              | RB50#25 | 21.15         | 20.45      | 30          | PASS    |
|                |           |                |              | RB50#50 | 21.01         | 20.31      | 30          | PASS    |
|                |           |                |              | RB100#0 | 20.94         | 20.24      | 30          | PASS    |

Note1:

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

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

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

b, SGP = Signal Generator Level

Note2:

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

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

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

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 |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| BAND4              | LTE/TM1   | 1.4                  | LCH          | RB1#0   | 4.14         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.07         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.16         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.54         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.52         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.52         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.16         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.04         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.1          | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.36         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.17         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.32         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.21         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.14         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.15         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.25         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.28         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.36         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.19         | 13         | PASS    |
|                    |           | 3                    | LCH          | RB1#0   | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.14         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.26         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5            | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 4.92         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.09         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.27         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 3.91         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#14  | 4.07         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 4.78         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 4.7          | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 4.67         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.6          | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.22         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.02         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.2          | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 4.82         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 4.77         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 4.72         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.12         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 4.19         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.12         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.04         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.86         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 4.93         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.33         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.12         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 3.98         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.06         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.58         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.22         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.32         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.25         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.25         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.68         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 4.84         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.2          | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.17         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.04         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 4.95         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5            | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB50#0  | 5.6          | 13         | PASS    |
|                    |           |                      |              | RB1#0   | 4.13         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#25  | 3.92         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.08         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 4.65         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.63         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.12         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.03         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 4.82         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 4.83         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.56         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 4.22         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.12         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 4.99         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.01         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 4.98         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.64         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.21         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.06         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.06         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 4.78         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 4.64         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 4.8          | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.42         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.08         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.08         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.15         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 4.83         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 4.66         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.42         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.19         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB50#0  | 5.09         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 4.96         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5            | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.58         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.32         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 3.96         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.13         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 4.85         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 4.72         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 4.79         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.63         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 3.95         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 3.76         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.12         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 4.72         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 4.85         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.06         | 13         | PASS    |
|                    | LTE/TM2   | 1.4                  | LCH          | RB1#0   | 5.22         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.25         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.4          | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.49         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.87         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.07         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.99         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.99         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.98         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.91         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.09         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.76         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.02         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5            | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.05         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.33         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.17         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.3          | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.15         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           | 3                    | LCH          | RB1#0   | 5.04         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.98         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.67         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.8          | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.22         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.97         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.86         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.84         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.58         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.93         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.08         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.26         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.76         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.01         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 5.36         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.35         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.45         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.78         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.79         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.76         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.32         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.23         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.13         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.52         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.29         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.84         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.84         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.61         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           | 10                   |              | RB12#6  | 5.59         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.62         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.24         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.37         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.04         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.9          | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.03         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.5          | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.16         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.9          | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.62         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.48         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.04         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.02         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.91         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.05         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.71         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.76         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.45         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.06         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.9          | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.98         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.47         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.43         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.57         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.81         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.77         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.23         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.99         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#38  | 4.99         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.7          | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.63         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.75         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.07         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 5            | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.93         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.83         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6            | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.81         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.84         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.31         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.04         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.79         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.84         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.82         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.77         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.11         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.85         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.99         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.84         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.25         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

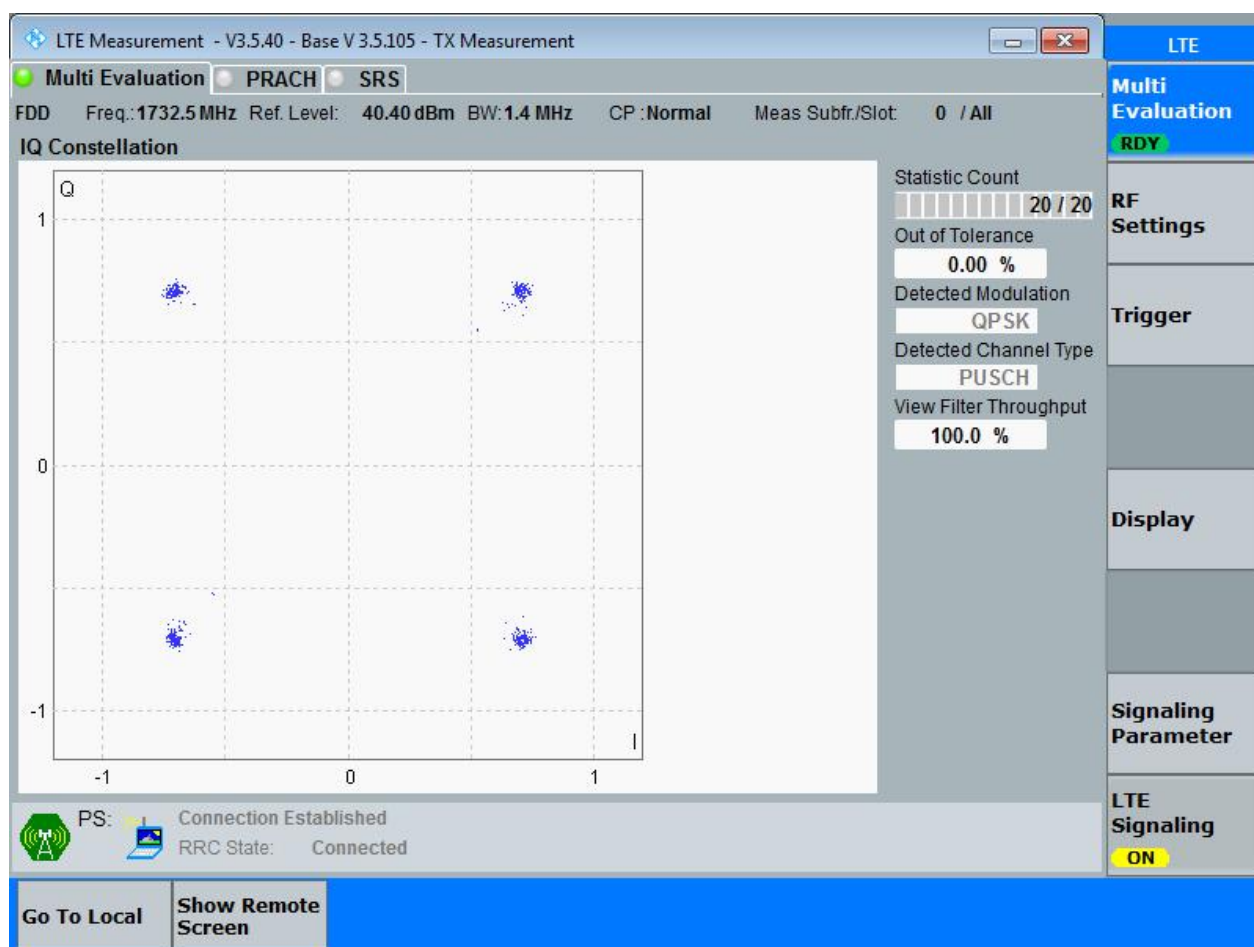
##### 3.1.1 Test Band = BAND4

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

##### 3.1.1.1.1 Test Bandwidth = 1.4

##### 3.1.1.1.1.1 Test Channel = MCH

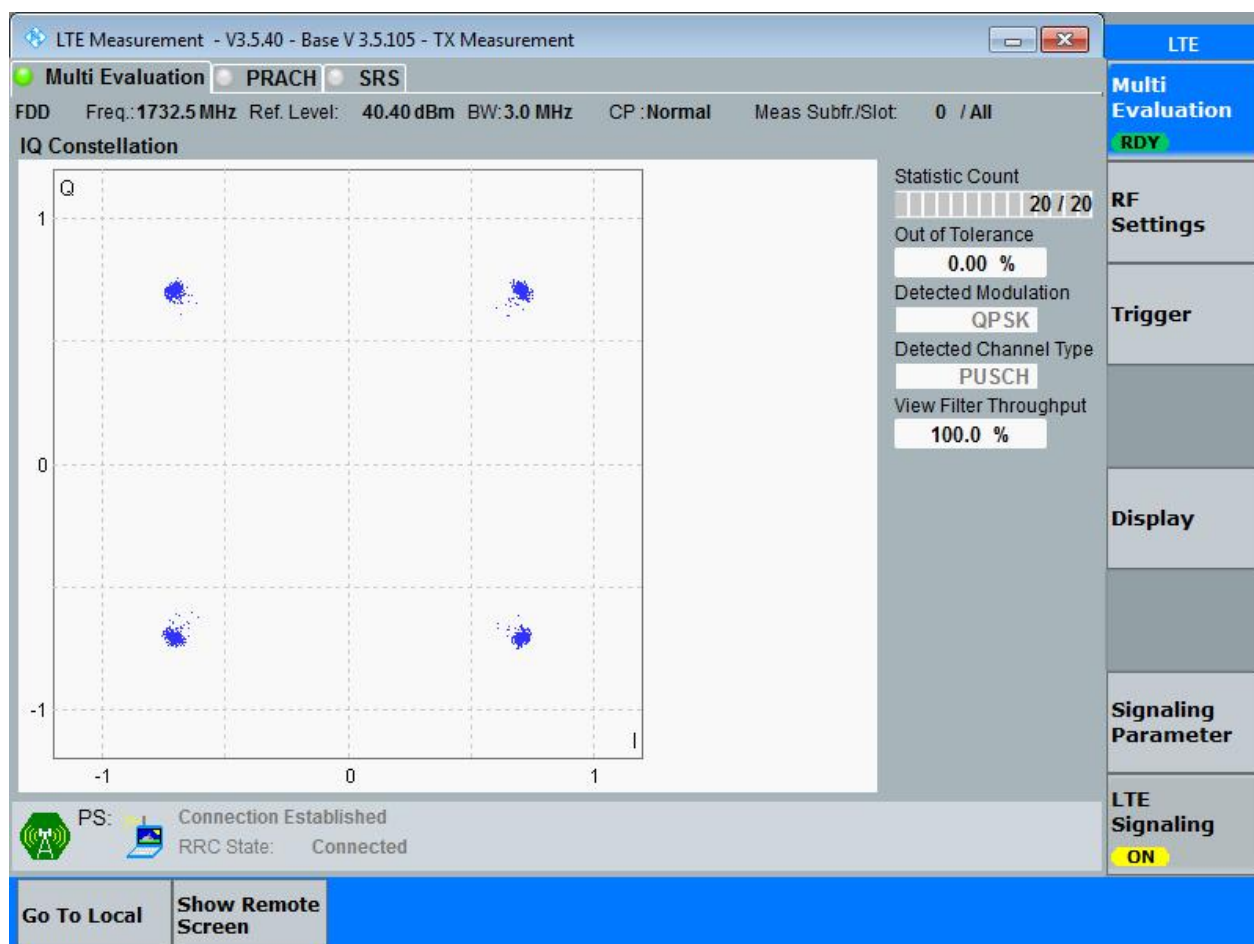
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

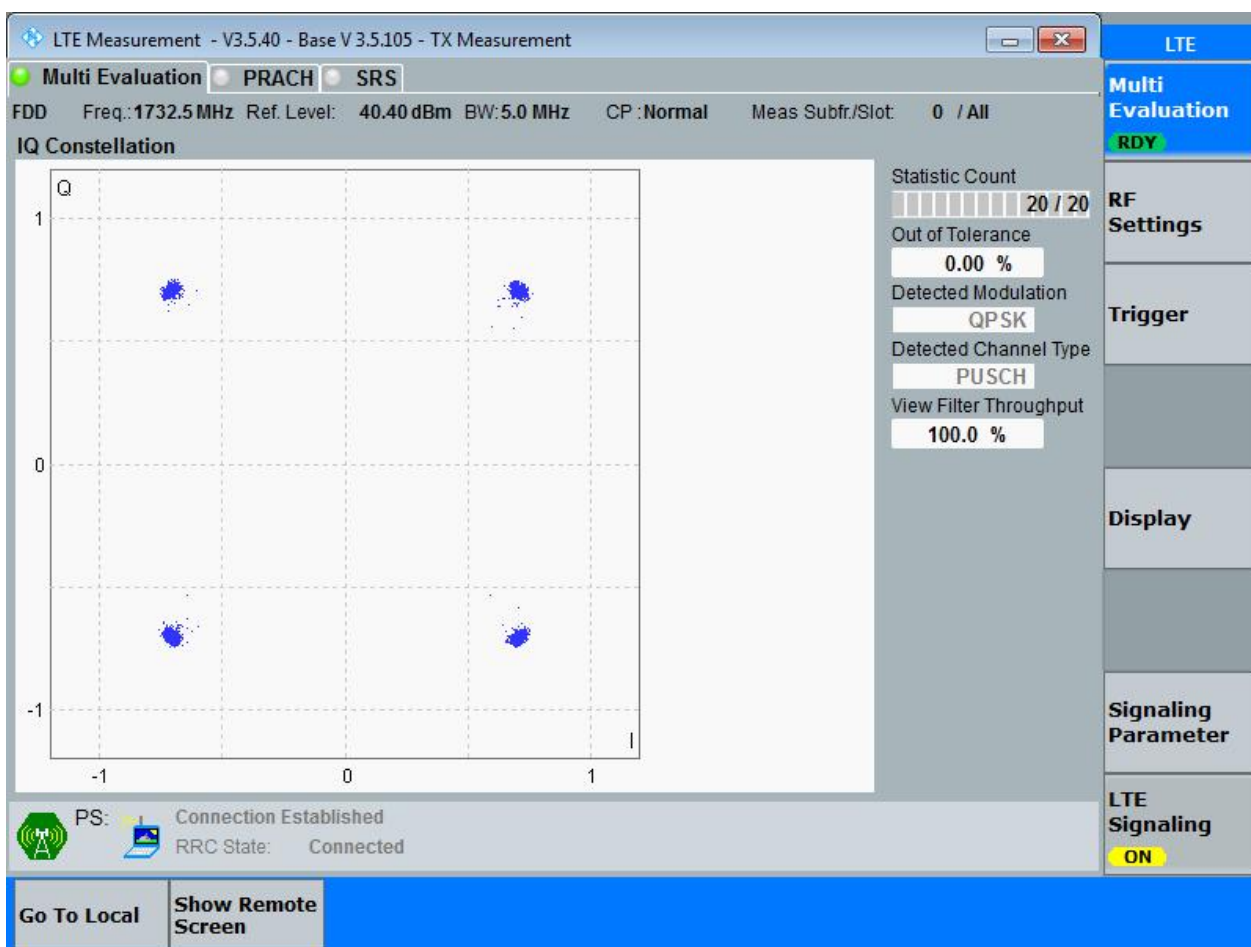
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

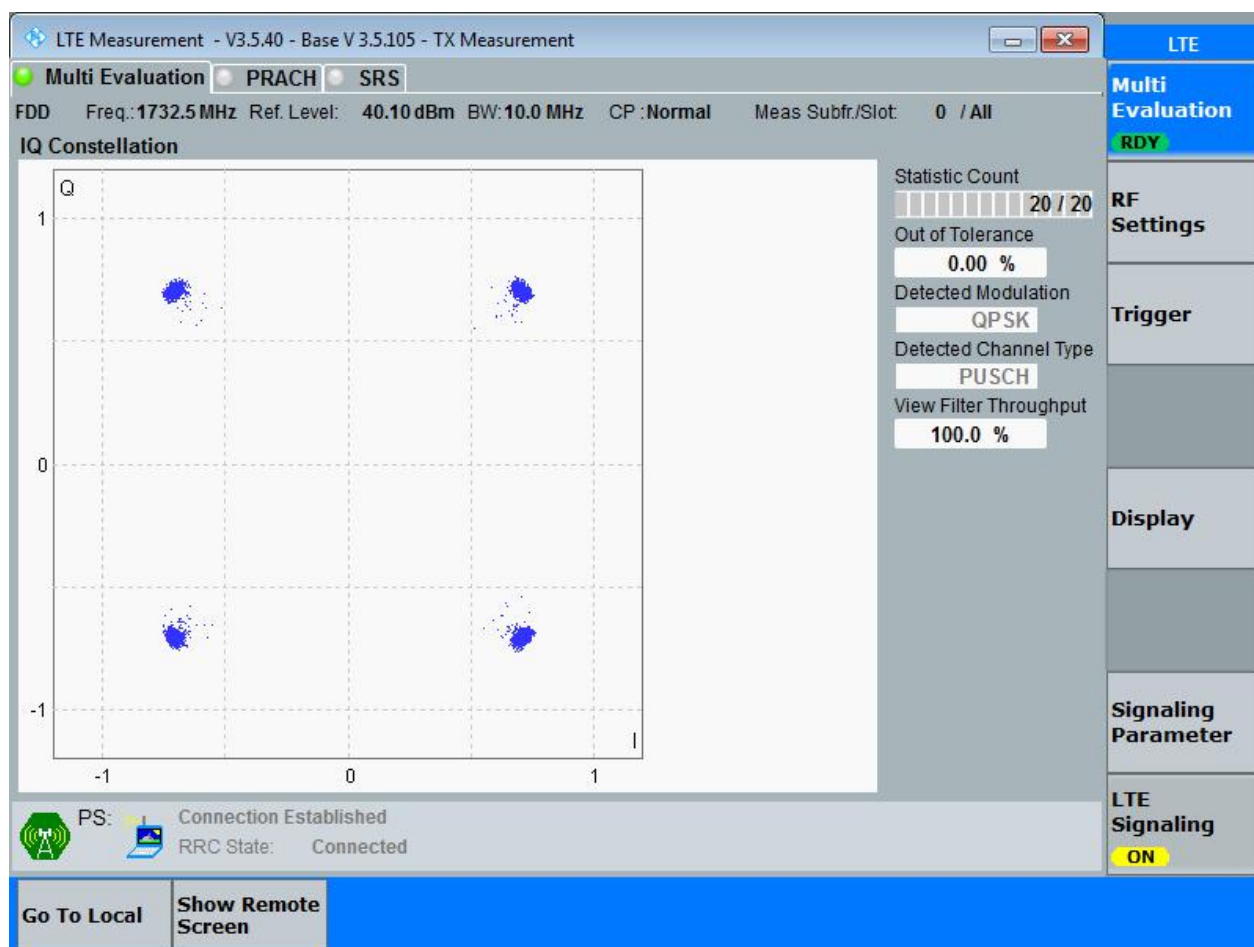
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

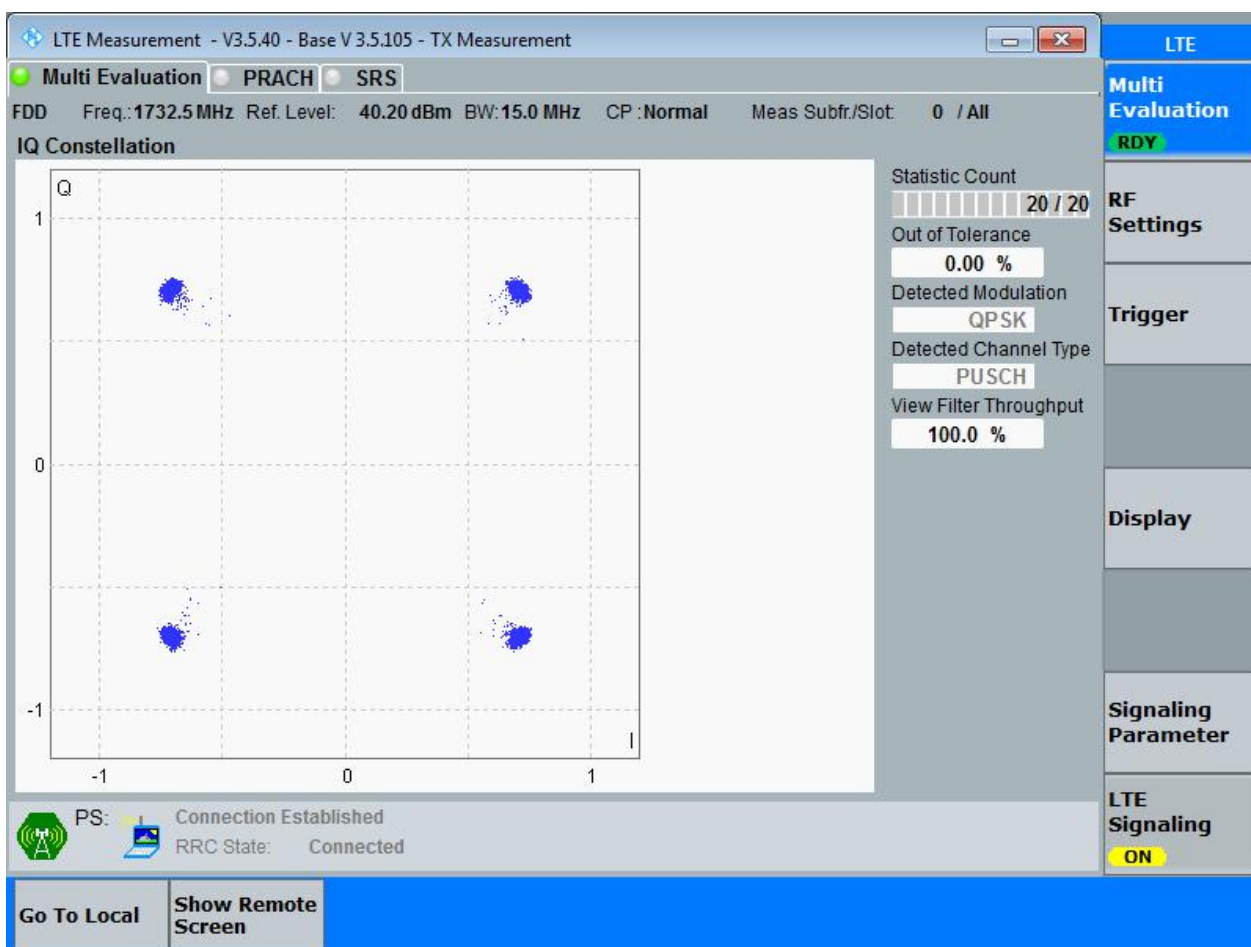
##### 3.1.1.1.4.1.1 Test RB = RB50#0



### 3.1.1.1.5 Test Bandwidth = 15

#### 3.1.1.1.5.1 Test Channel = MCH

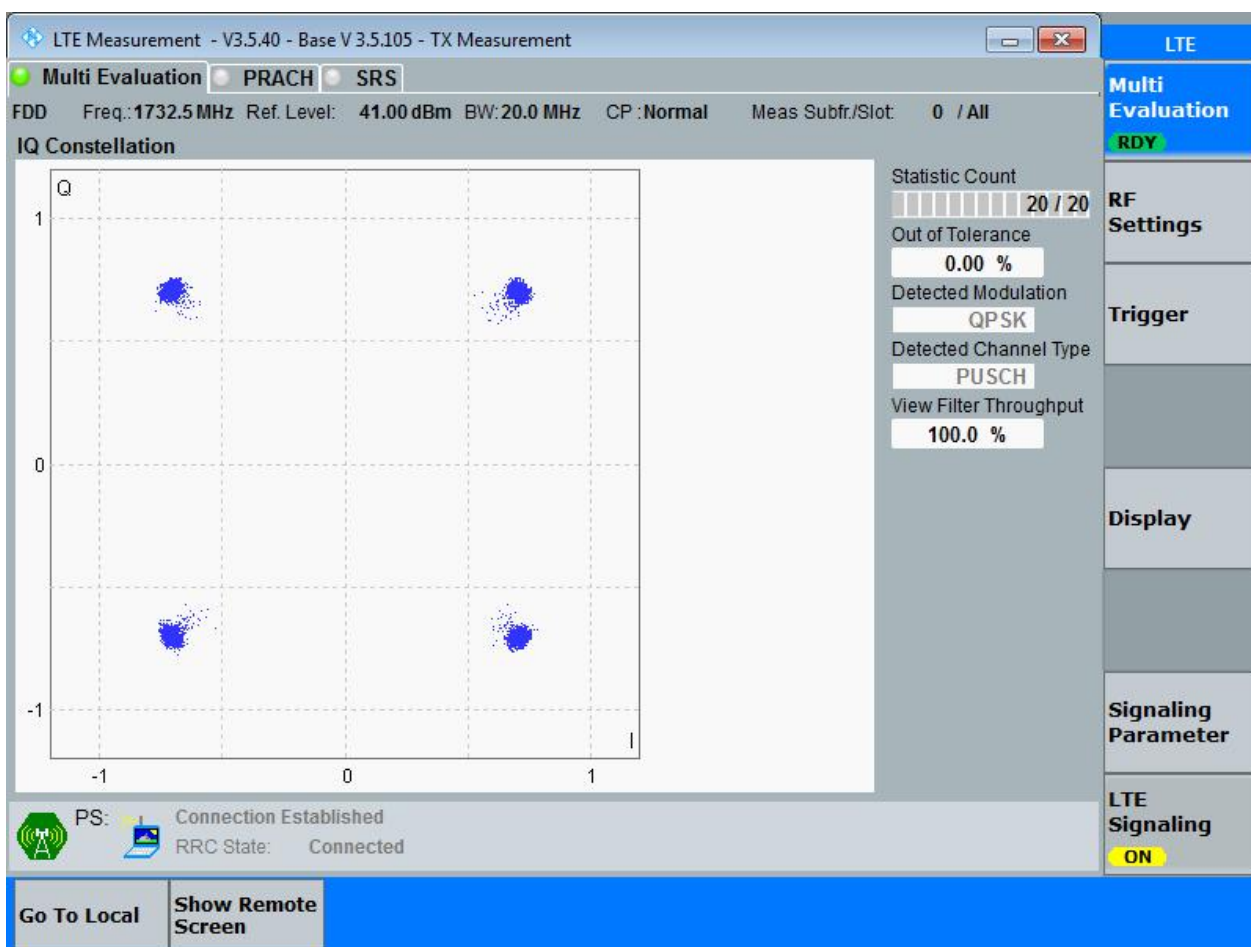
#### 3.1.1.1.5.1.1 Test RB = RB75#0



### 3.1.1.1.6 Test Bandwidth = 20

#### 3.1.1.1.6.1 Test Channel = MCH

##### 3.1.1.1.6.1.1 Test RB = RB100#0

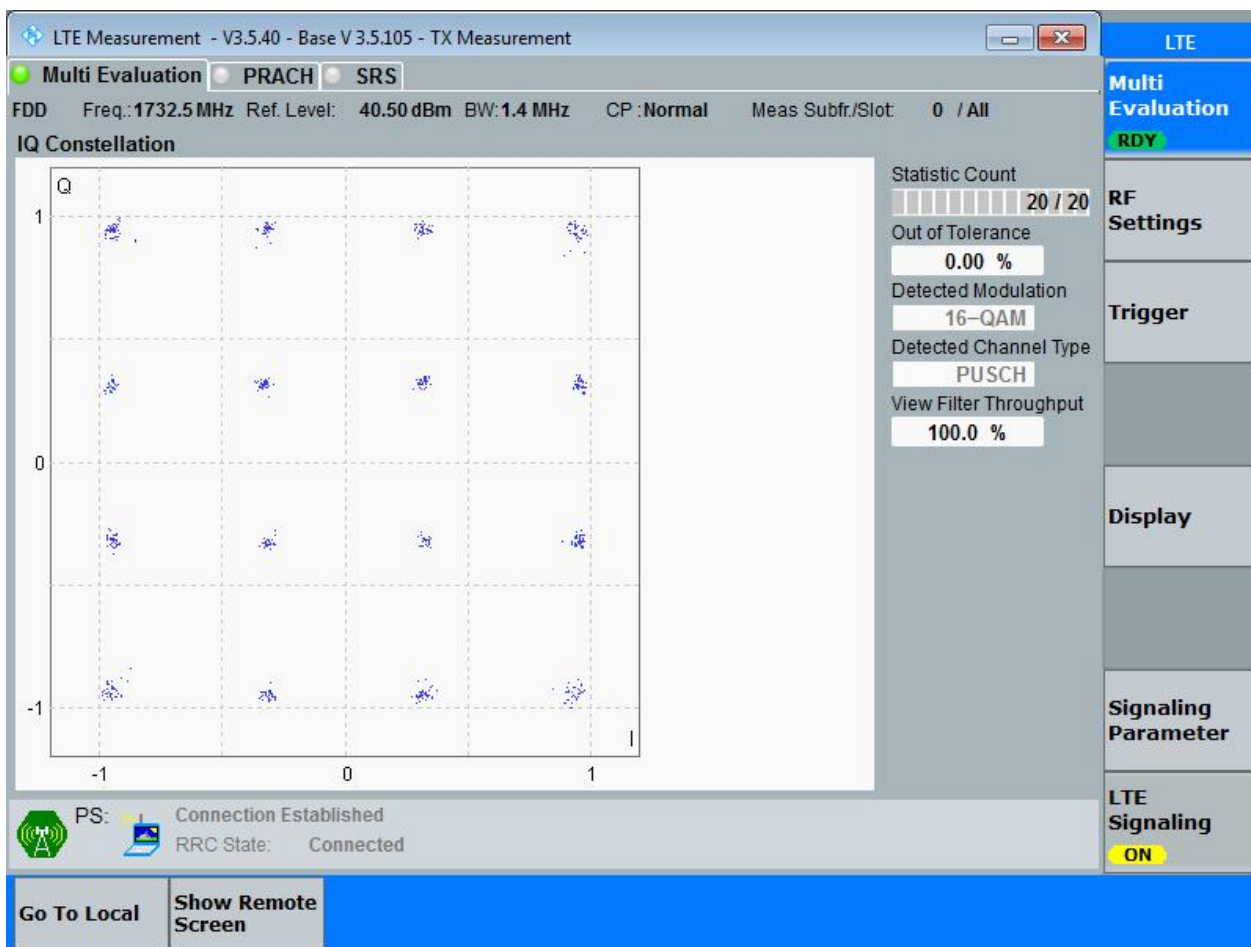


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 1.4

##### 3.1.1.2.1.1 Test Channel = MCH

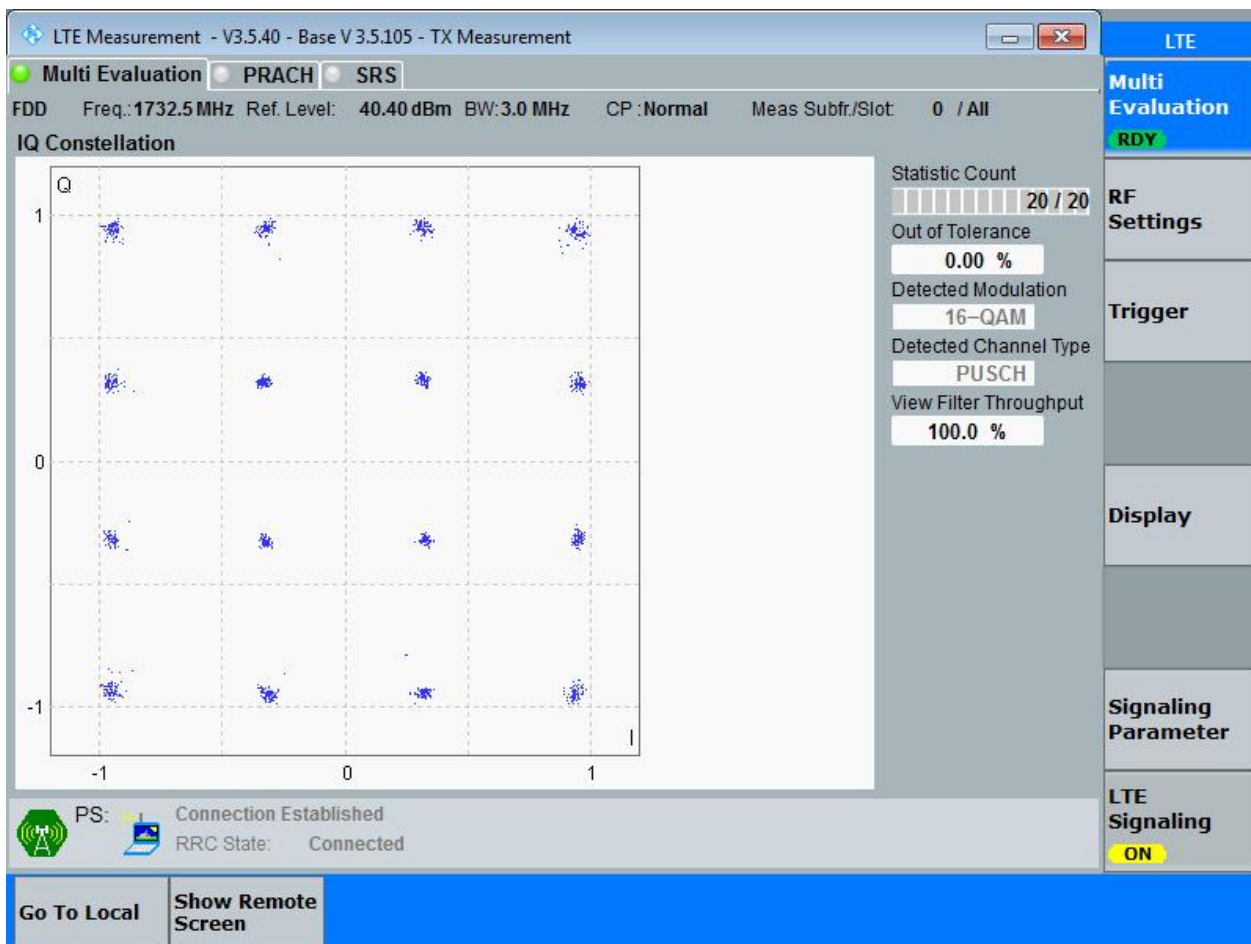
##### 3.1.1.2.1.1.1 Test RB = RB6#0



### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

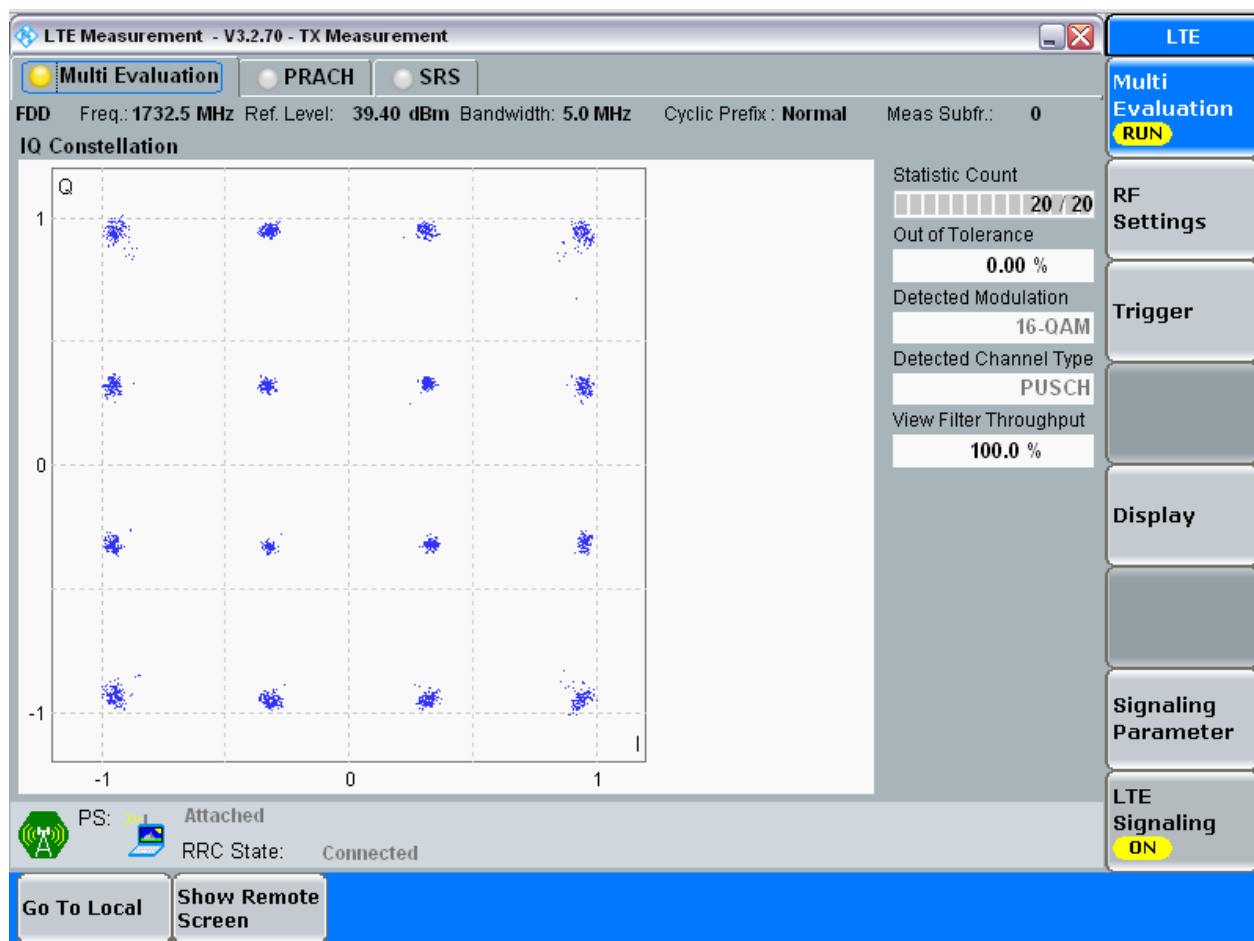
##### 3.1.1.2.2.1.1 Test RB = RB15#0



### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

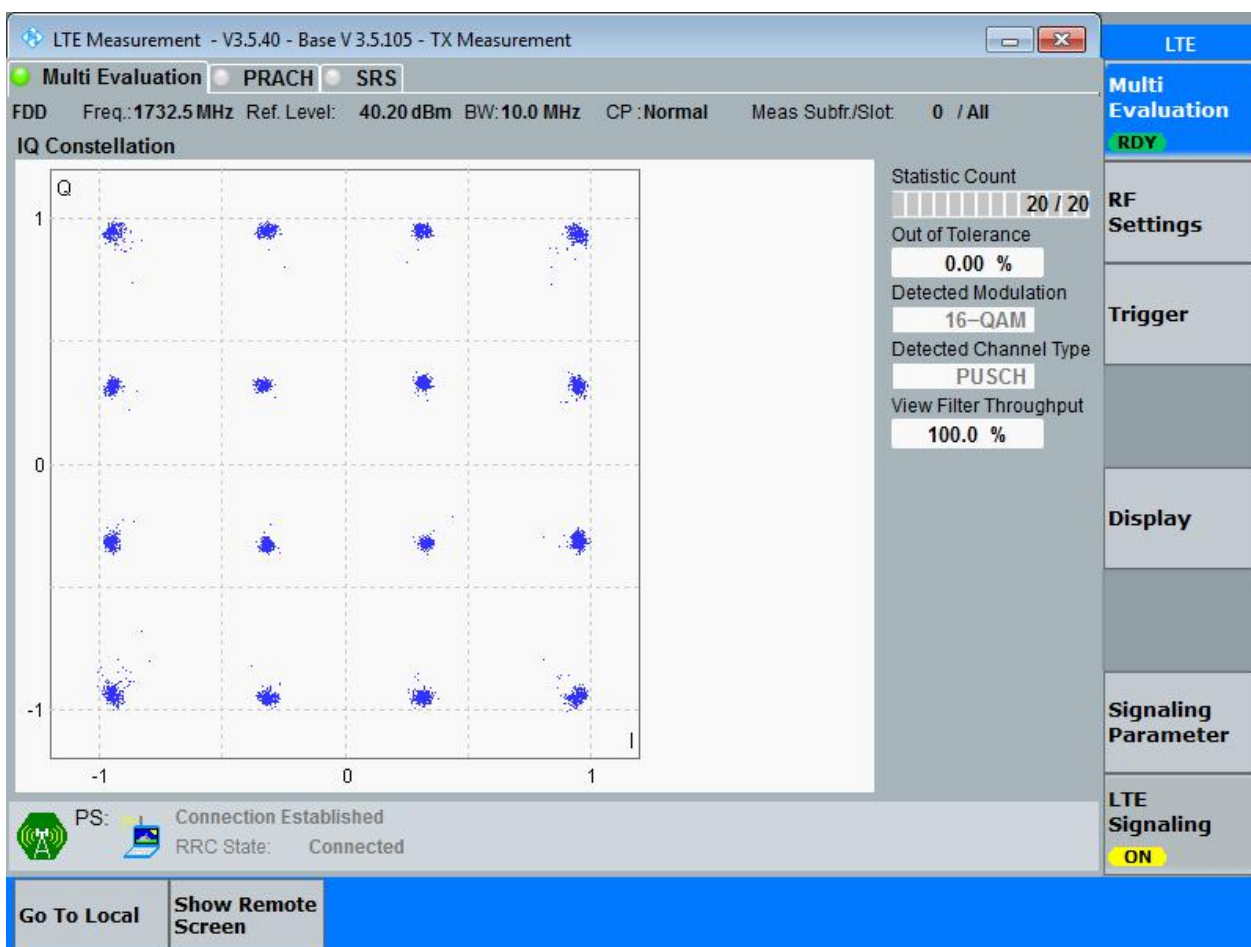
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

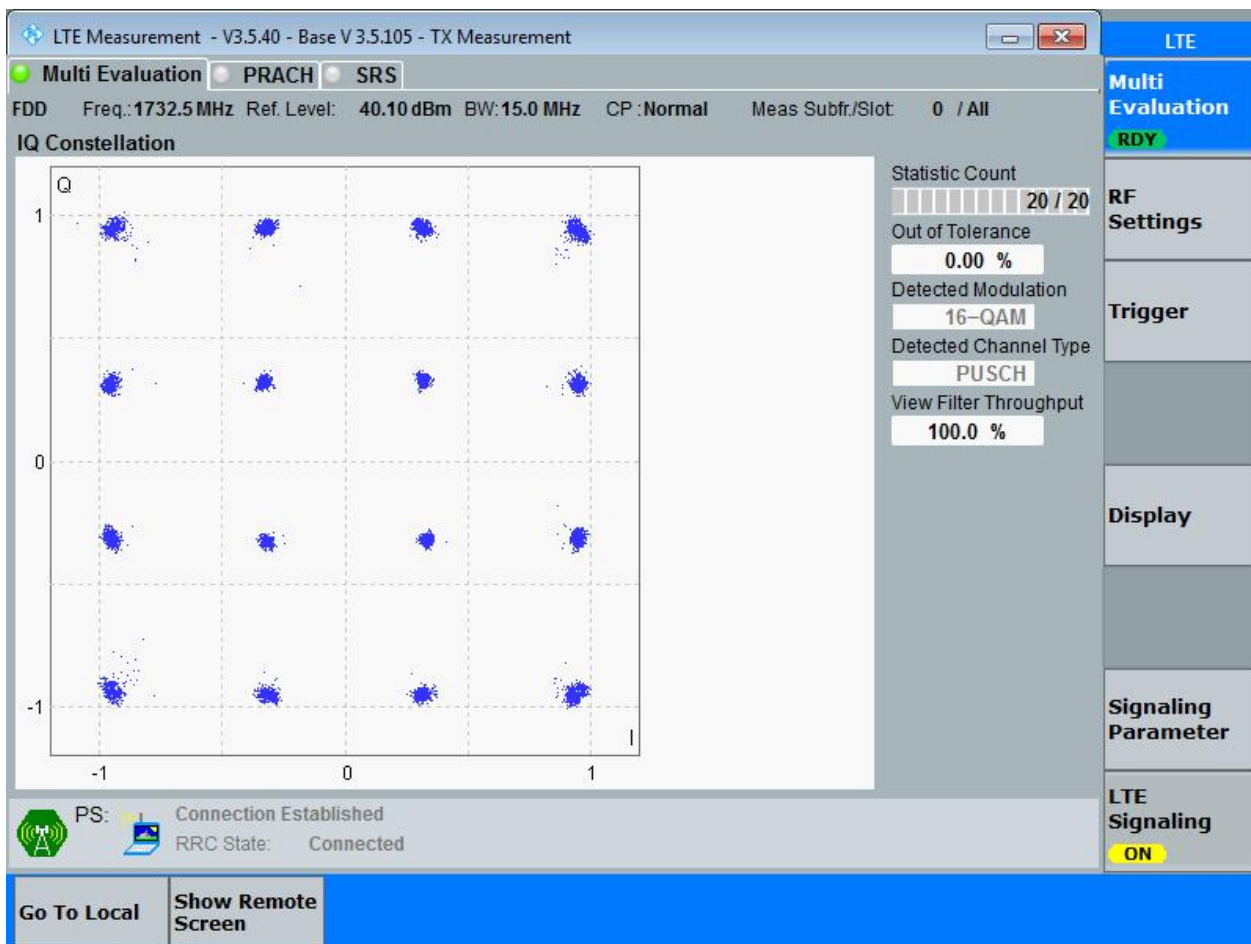
##### 3.1.1.2.4.1.1 Test RB = RB50#0



### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

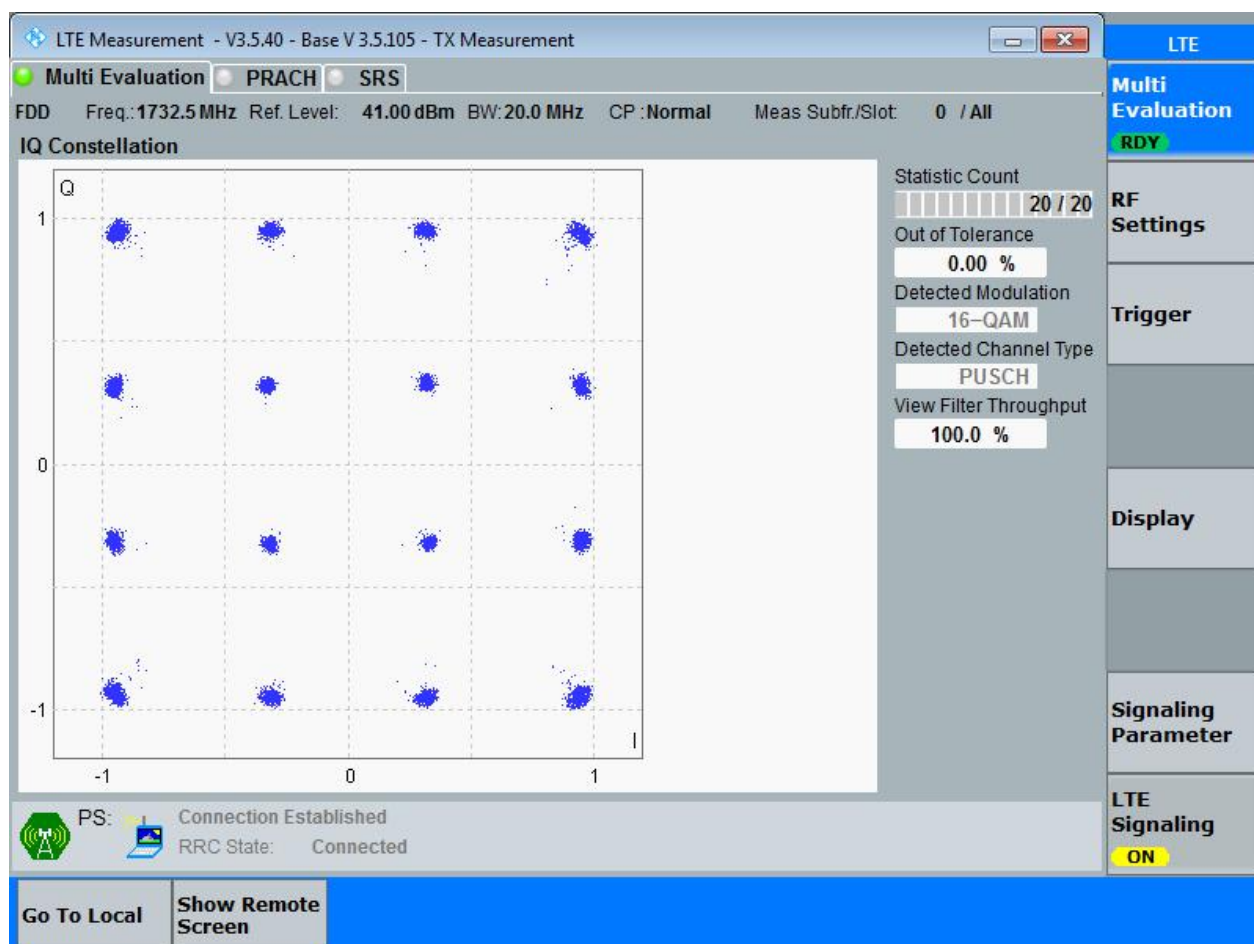
##### 3.1.1.2.5.1.1 Test RB = RB75#0



### 3.1.1.2.6 Test Bandwidth = 20

#### 3.1.1.2.6.1 Test Channel = MCH

##### 3.1.1.2.6.1.1 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 |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| BAND4     | LTE/TM1   | 1.4            | LCH          | RB6#0   | 1.09                     | 1.28                     | Pass    |
|           |           |                | MCH          | RB6#0   | 1.09                     | 1.29                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.09                     | 1.28                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.70                     | 3.00                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.70                     | 3.00                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.71                     | 3.01                     | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.52                     | 5.01                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.52                     | 5.03                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 5.00                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.97                     | 9.90                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.98                     | 9.94                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.96                     | 9.89                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.46                    | 14.85                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.45                    | 14.85                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.45                    | 14.73                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.92                    | 19.41                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.88                    | 19.35                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.92                    | 19.59                    | Pass    |
|           | LTE/TM2   | 1.4            | LCH          | RB6#0   | 1.10                     | 1.31                     | Pass    |
|           |           |                | MCH          | RB6#0   | 1.10                     | 1.32                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.09                     | 1.30                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.71                     | 3.00                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.71                     | 3.01                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.70                     | 3.01                     | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.51                     | 5.03                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.52                     | 5.03                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.52                     | 5.06                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.98                     | 9.92                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.96                     | 9.93                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.99                     | 9.92                     | Pass    |

| Test Band | Test Mode | Test Bandwidth | Test Channel | Test RB | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
|           |           | 15             | LCH          | RB75#0  | 13.45                    | 14.75                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.43                    | 14.75                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.42                    | 14.75                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.91                    | 19.49                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.88                    | 19.47                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.88                    | 19.51                    | Pass    |



## Part II - Test Plots

### 4.1 For LTE

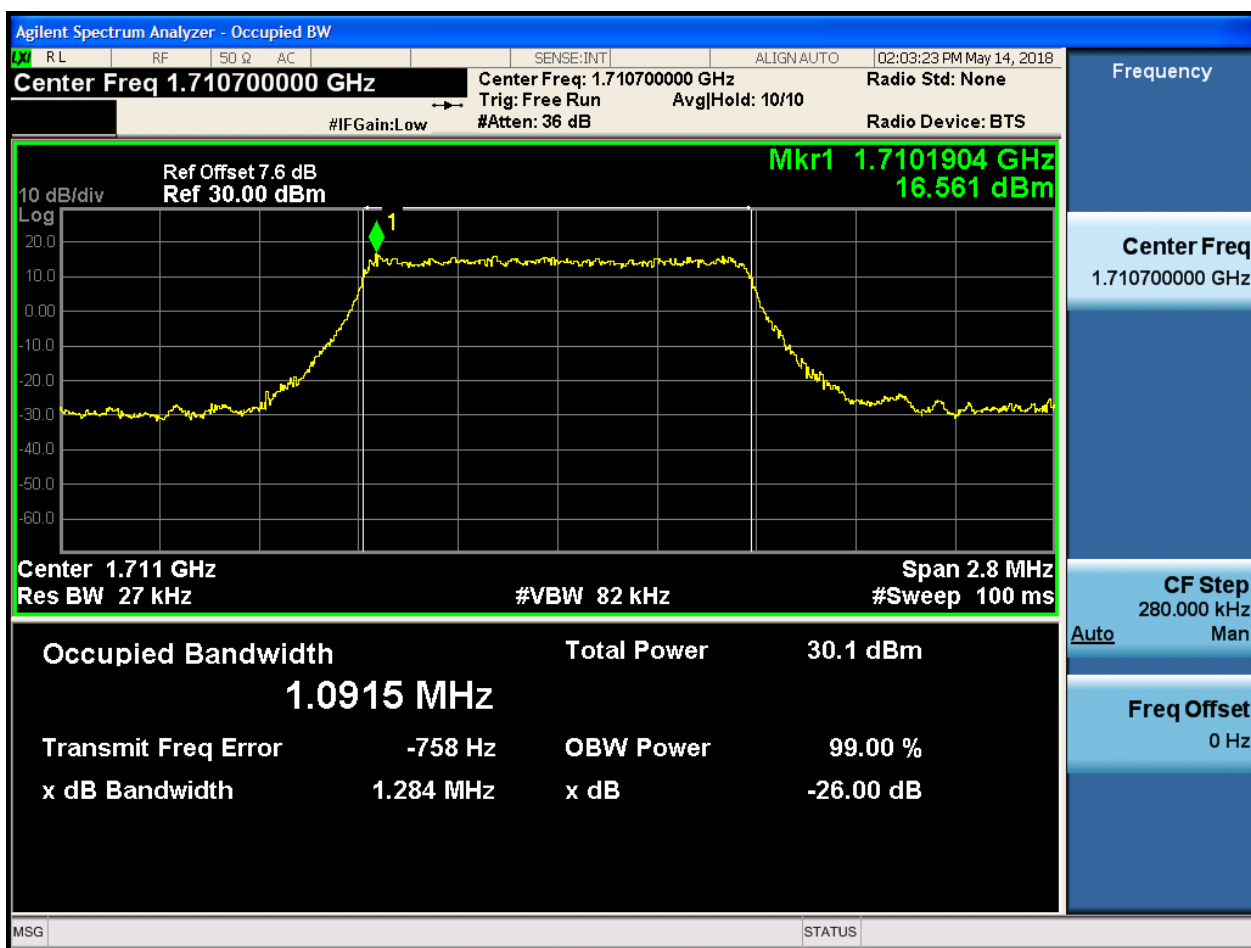
#### 4.1.1 Test Band = BAND4

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

##### 4.1.1.1.1 Test Bandwidth = 1.4

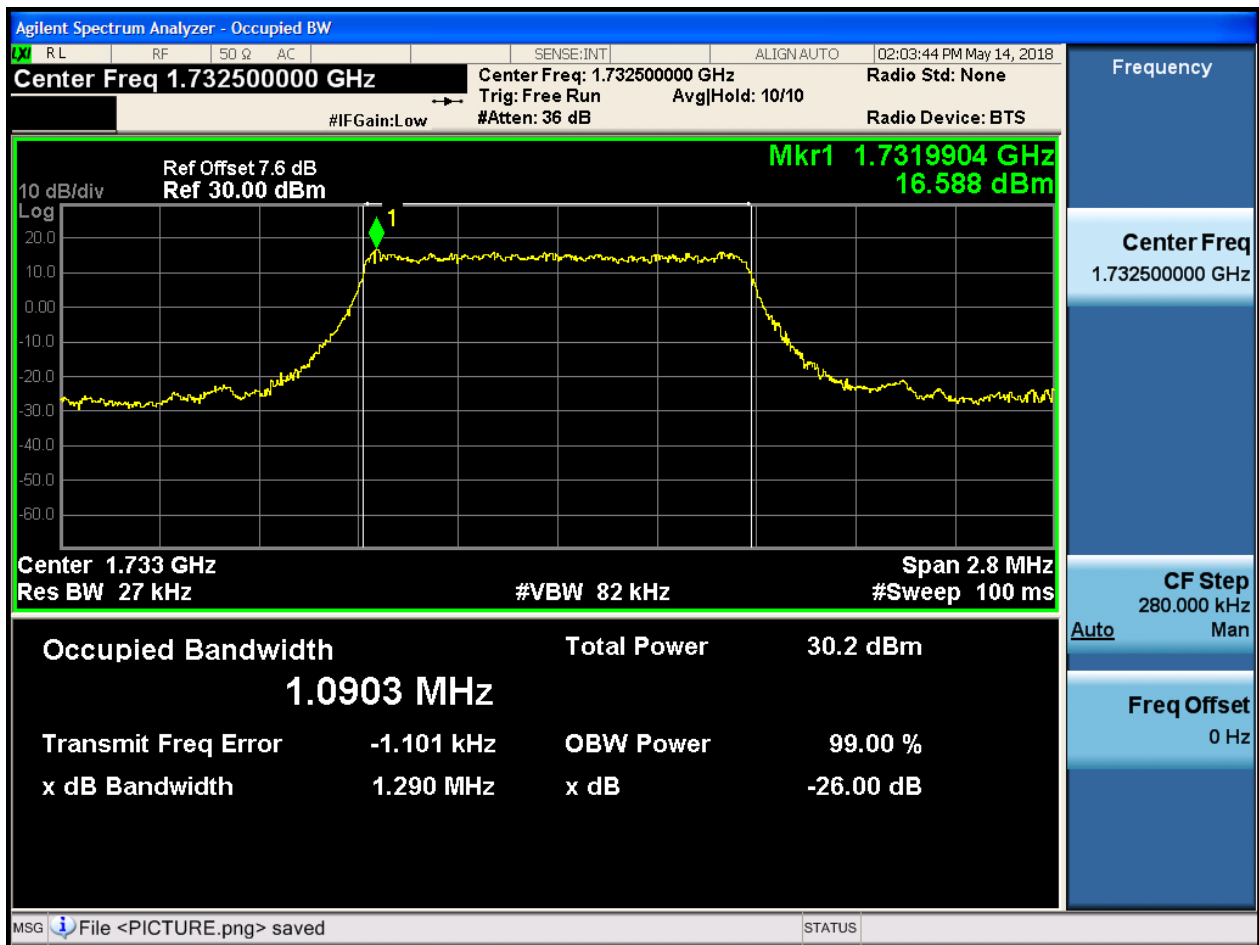
##### 4.1.1.1.1.1 Test Channel = LCH

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



#### 4.1.1.1.1.2 Test Channel = MCH

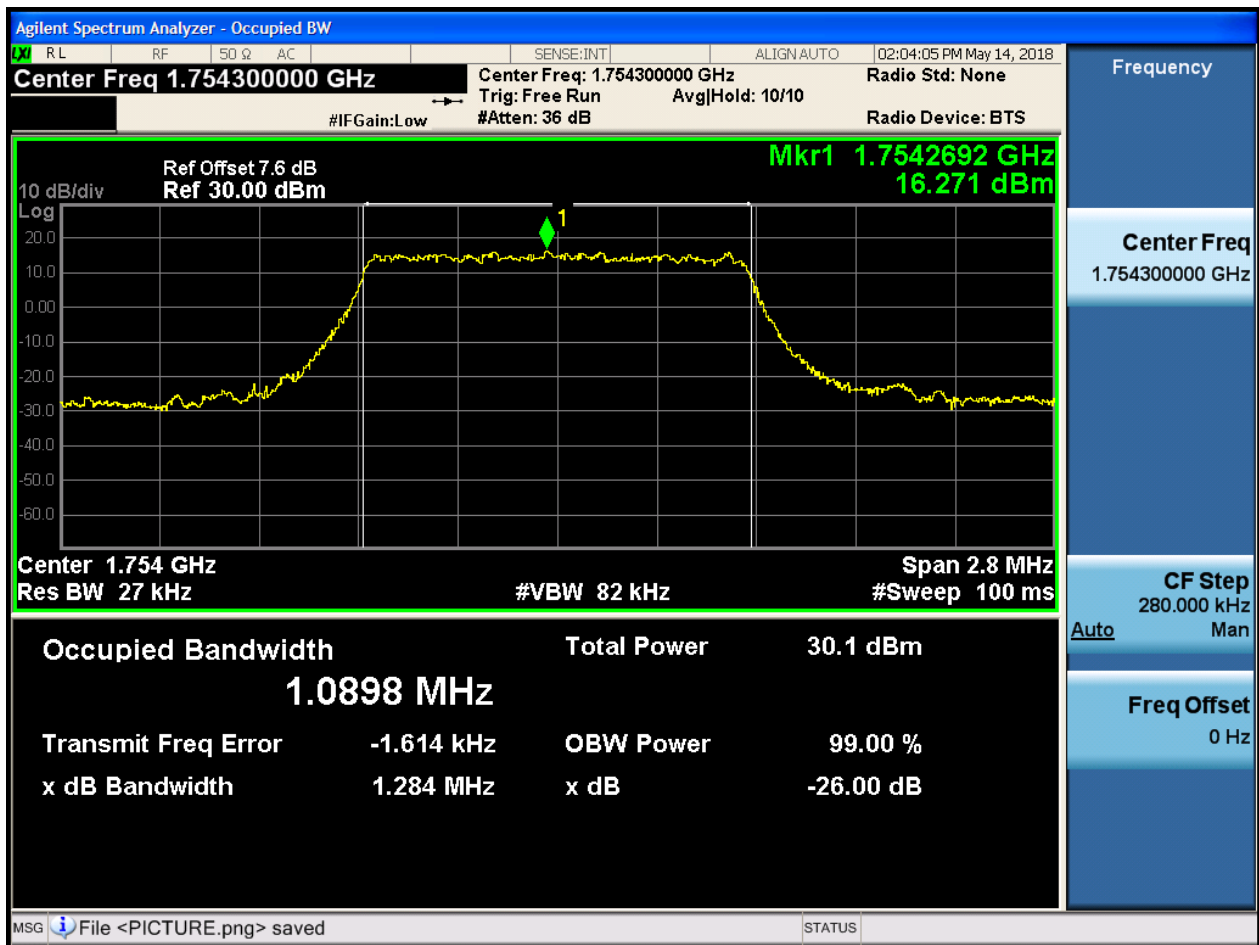
#### 4.1.1.1.1.2.1 Test RB = RB6#0





## 4.1.1.1.1.3 Test Channel = HCH

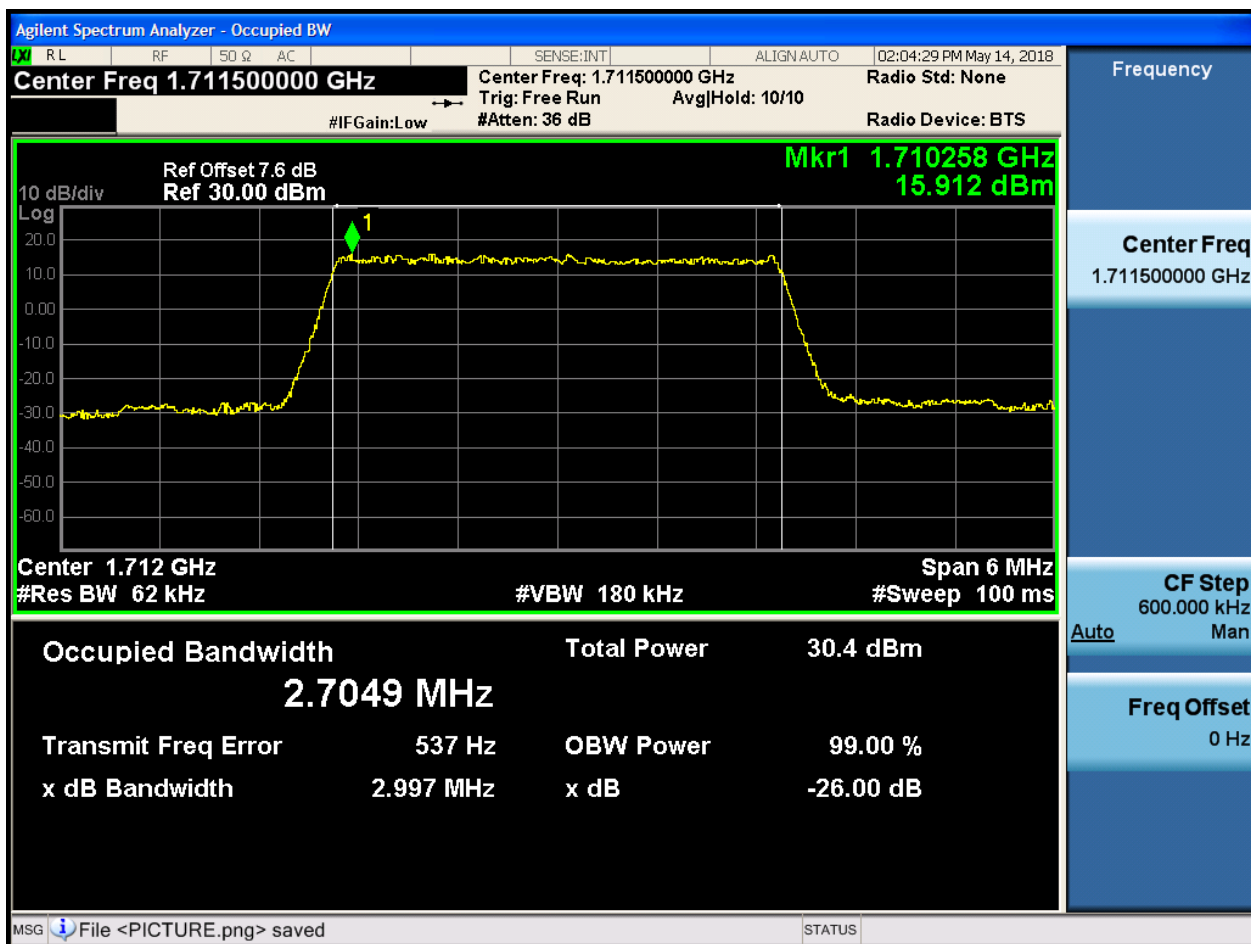
## 4.1.1.1.1.3.1 Test RB = RB6#0



#### 4.1.1.1.2 Test Bandwidth = 3

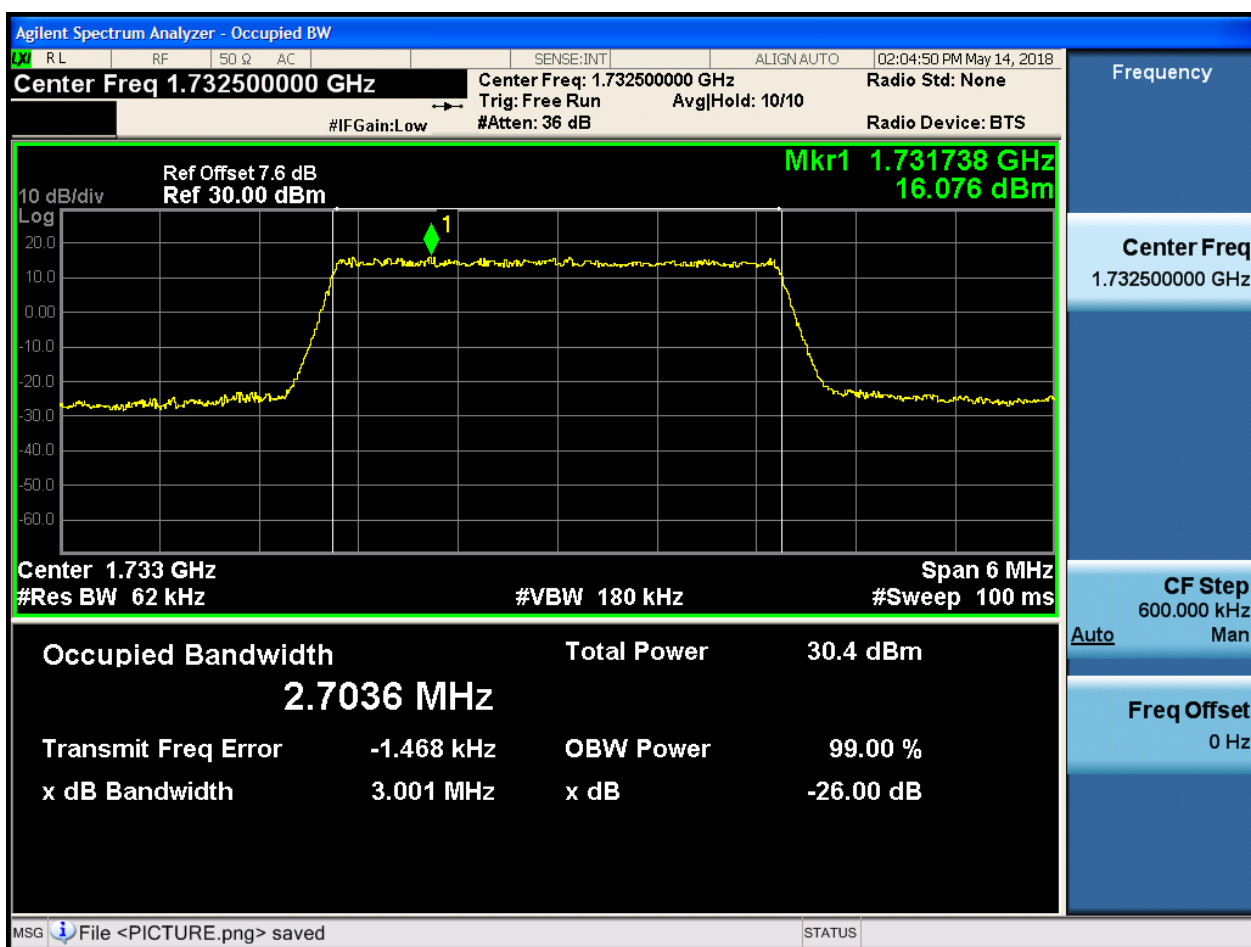
##### 4.1.1.1.2.1 Test Channel = LCH

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



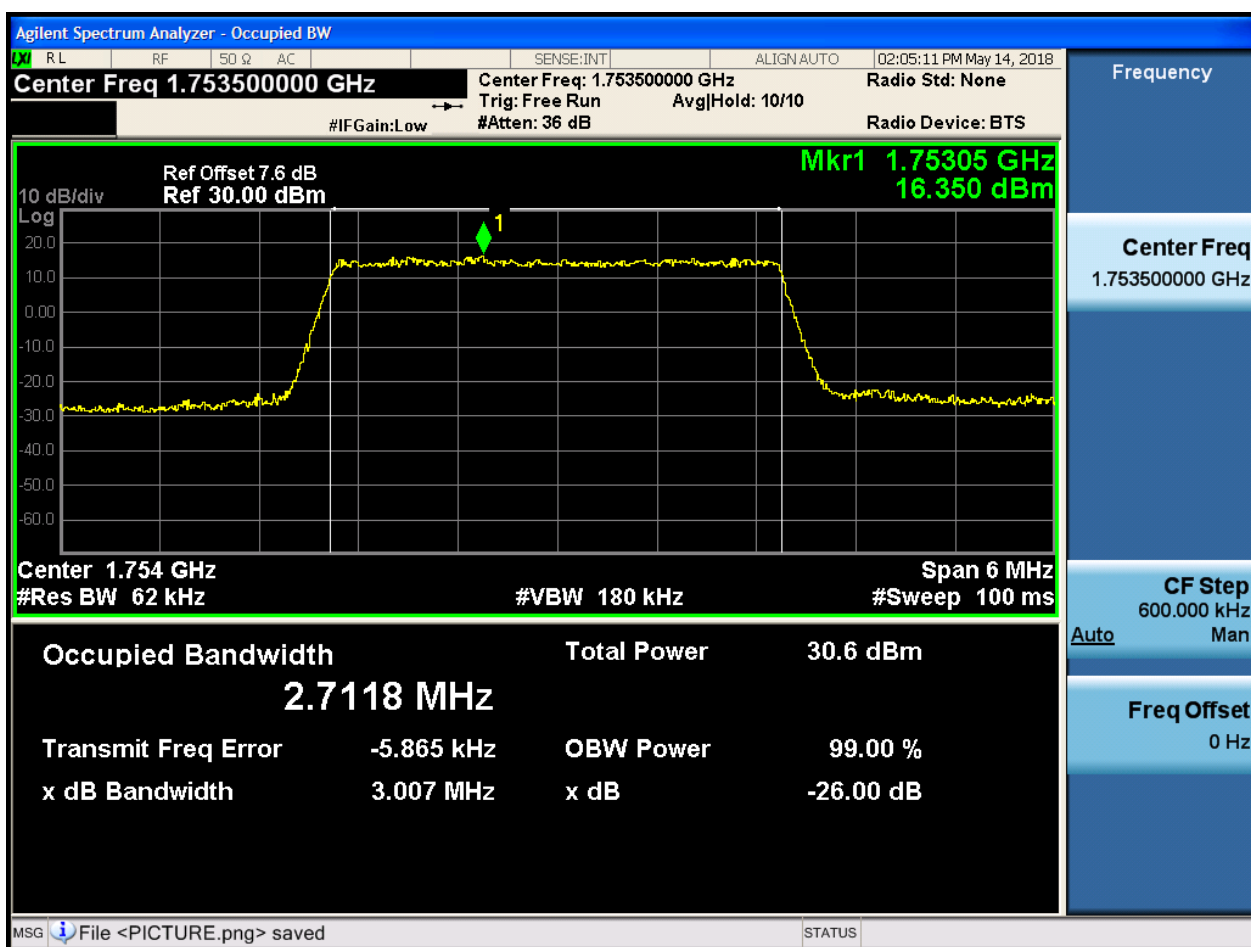
#### 4.1.1.1.2.2 Test Channel = MCH

##### 4.1.1.1.2.2.1 Test RB = RB15#0



#### 4.1.1.1.2.3 Test Channel = HCH

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

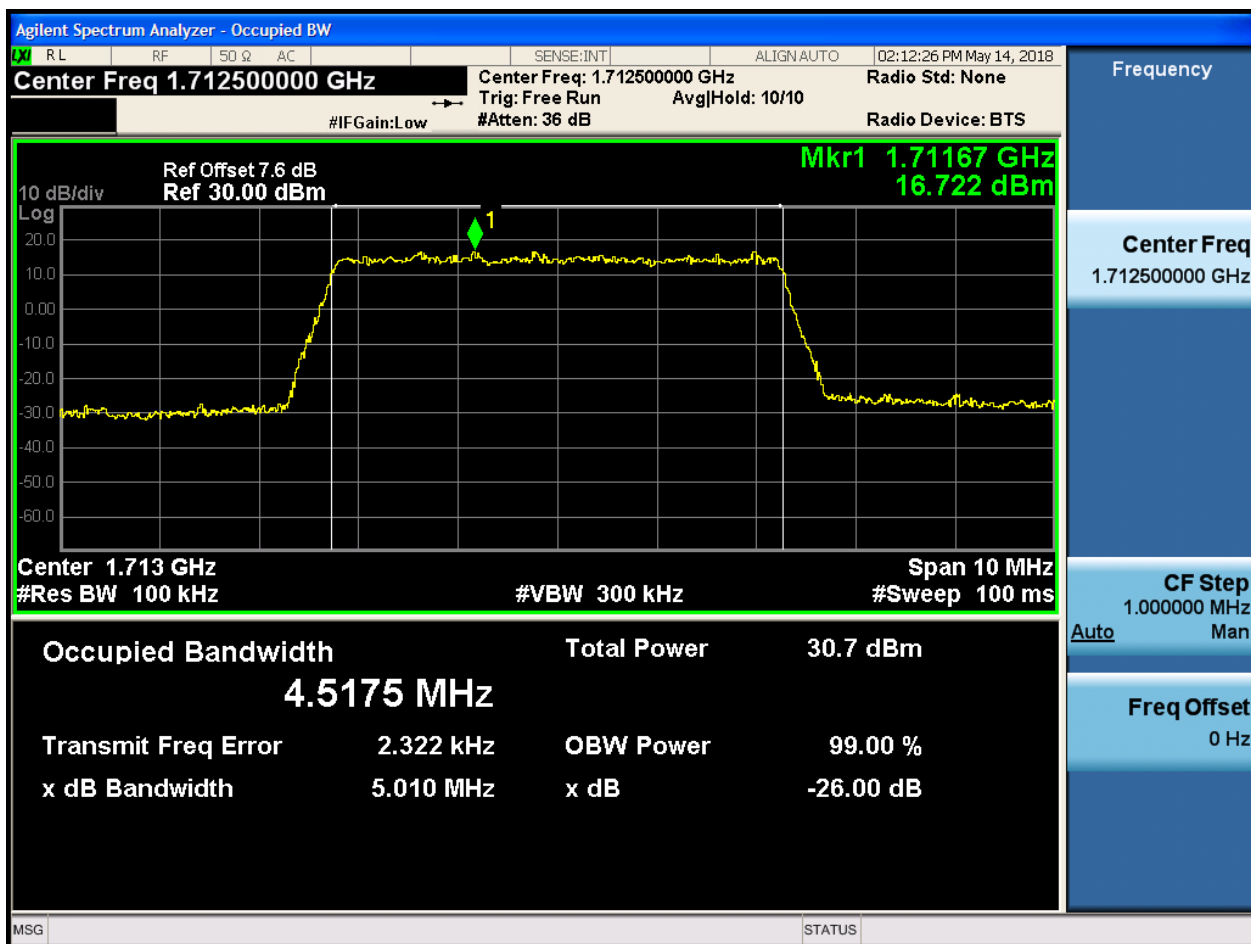




## 4.1.1.1.3 Test Bandwidth = 5

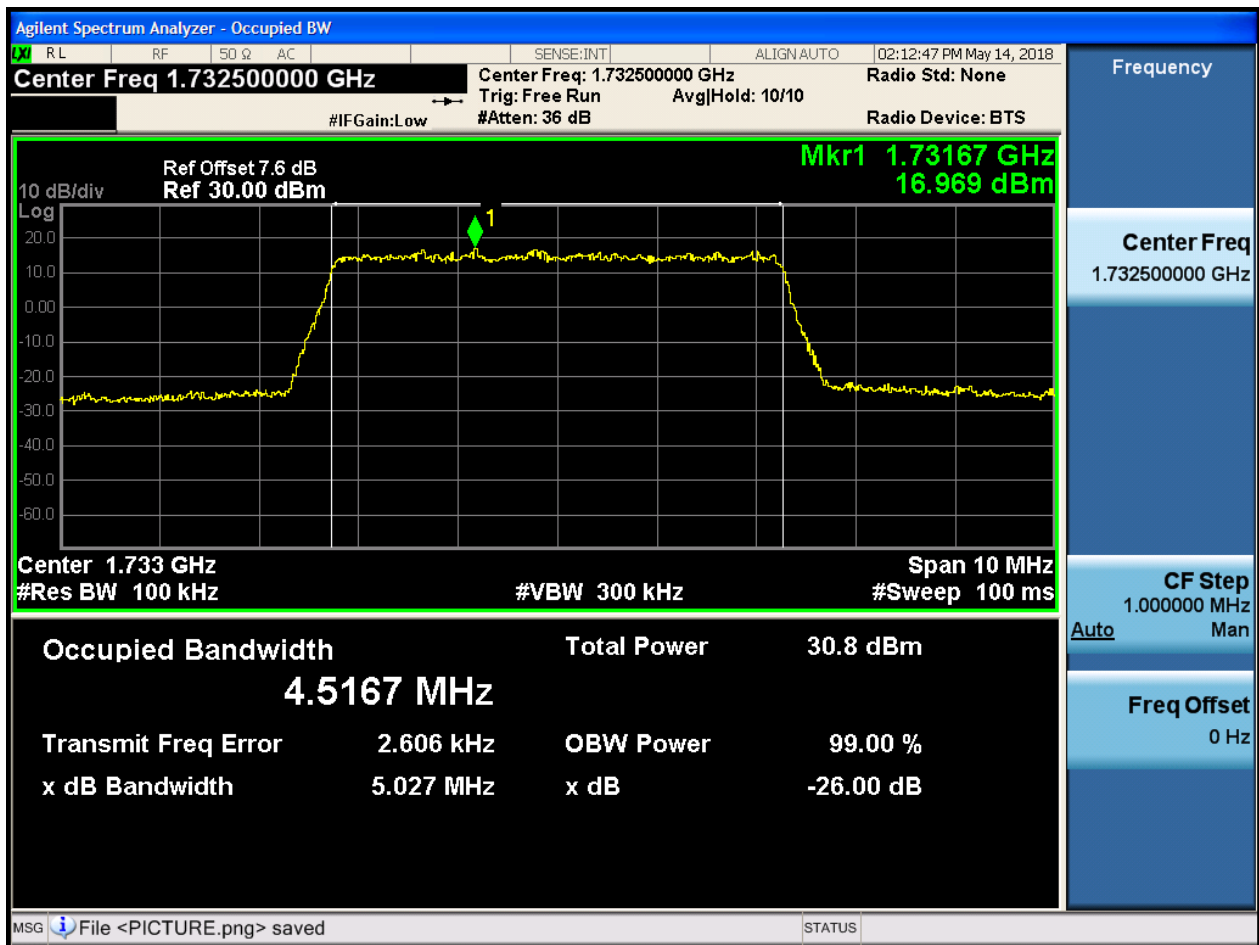
## 4.1.1.1.3.1 Test Channel = LCH

## 4.1.1.1.3.1.1 Test RB = RB25#0



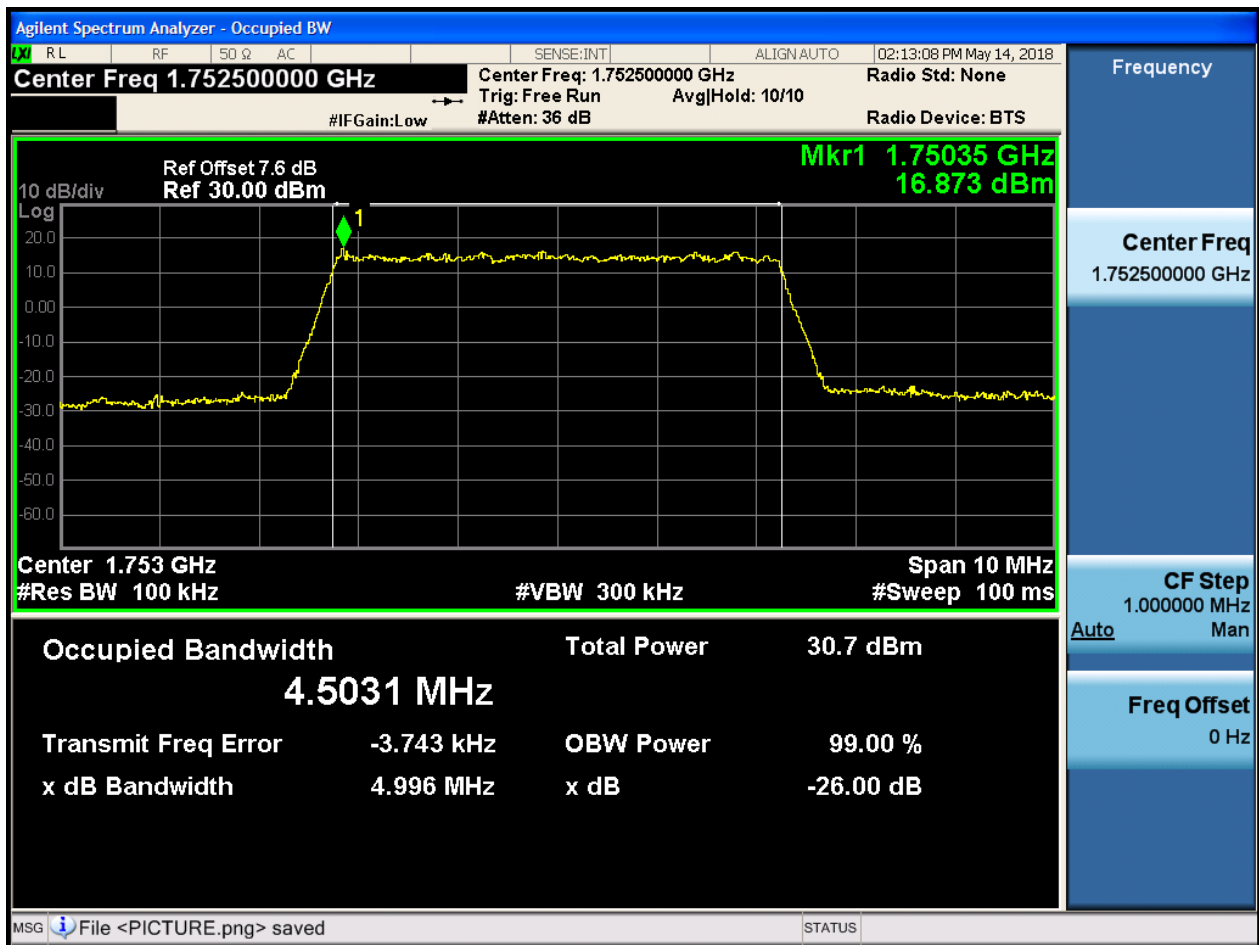
#### 4.1.1.1.3.2 Test Channel = MCH

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



#### 4.1.1.1.3.3 Test Channel = HCH

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

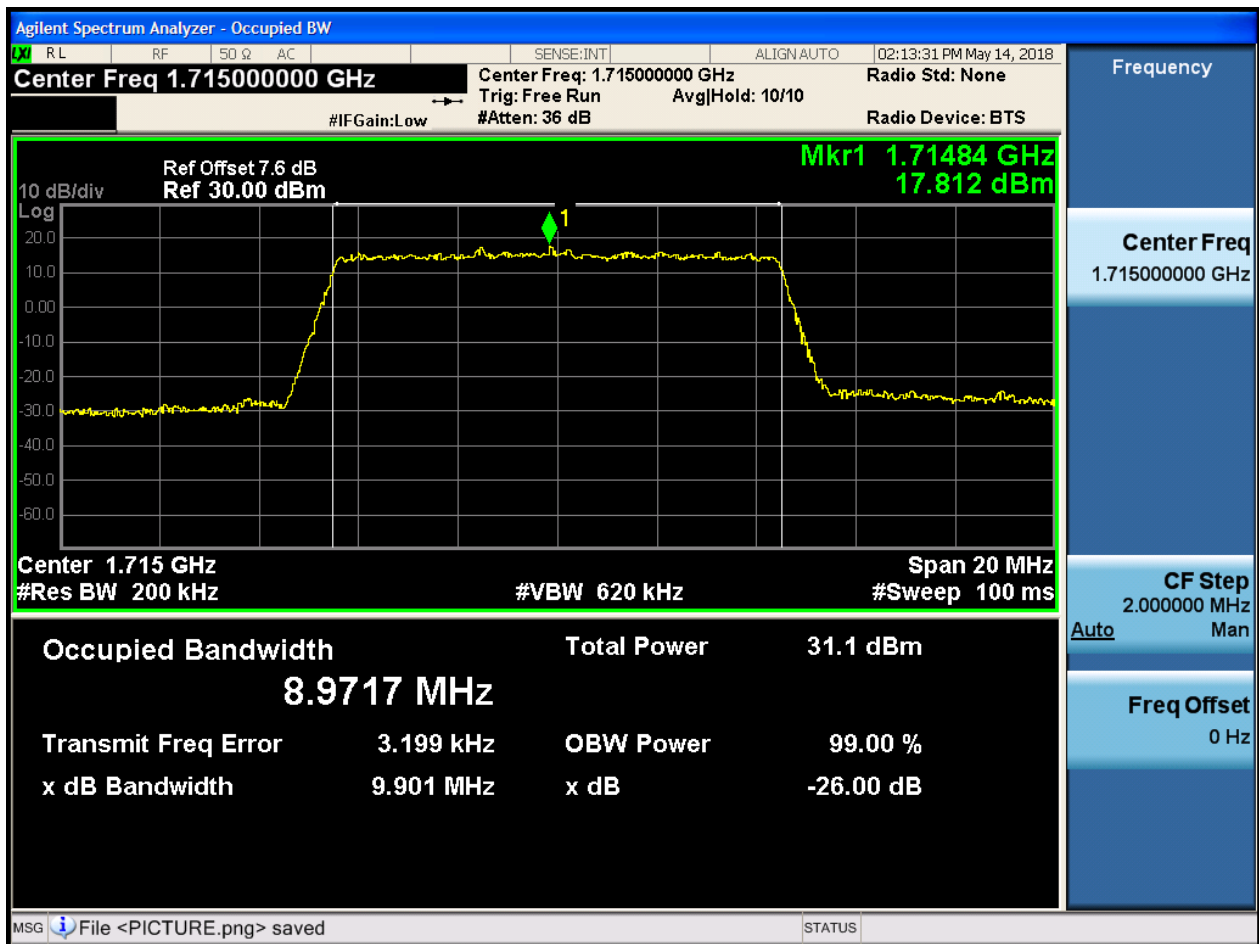




## 4.1.1.1.4 Test Bandwidth = 10

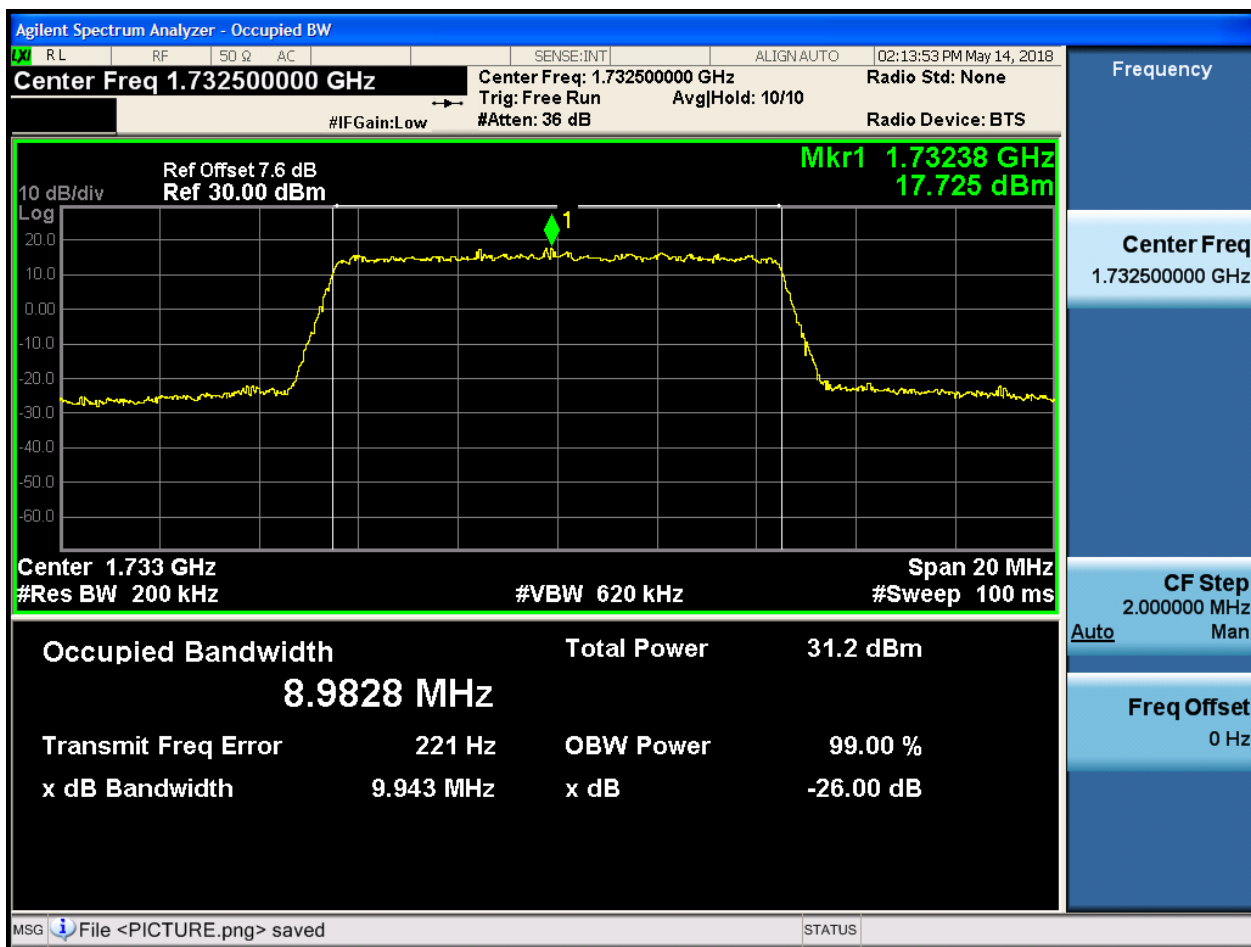
## 4.1.1.1.4.1 Test Channel = LCH

## 4.1.1.1.4.1.1 Test RB = RB50#0



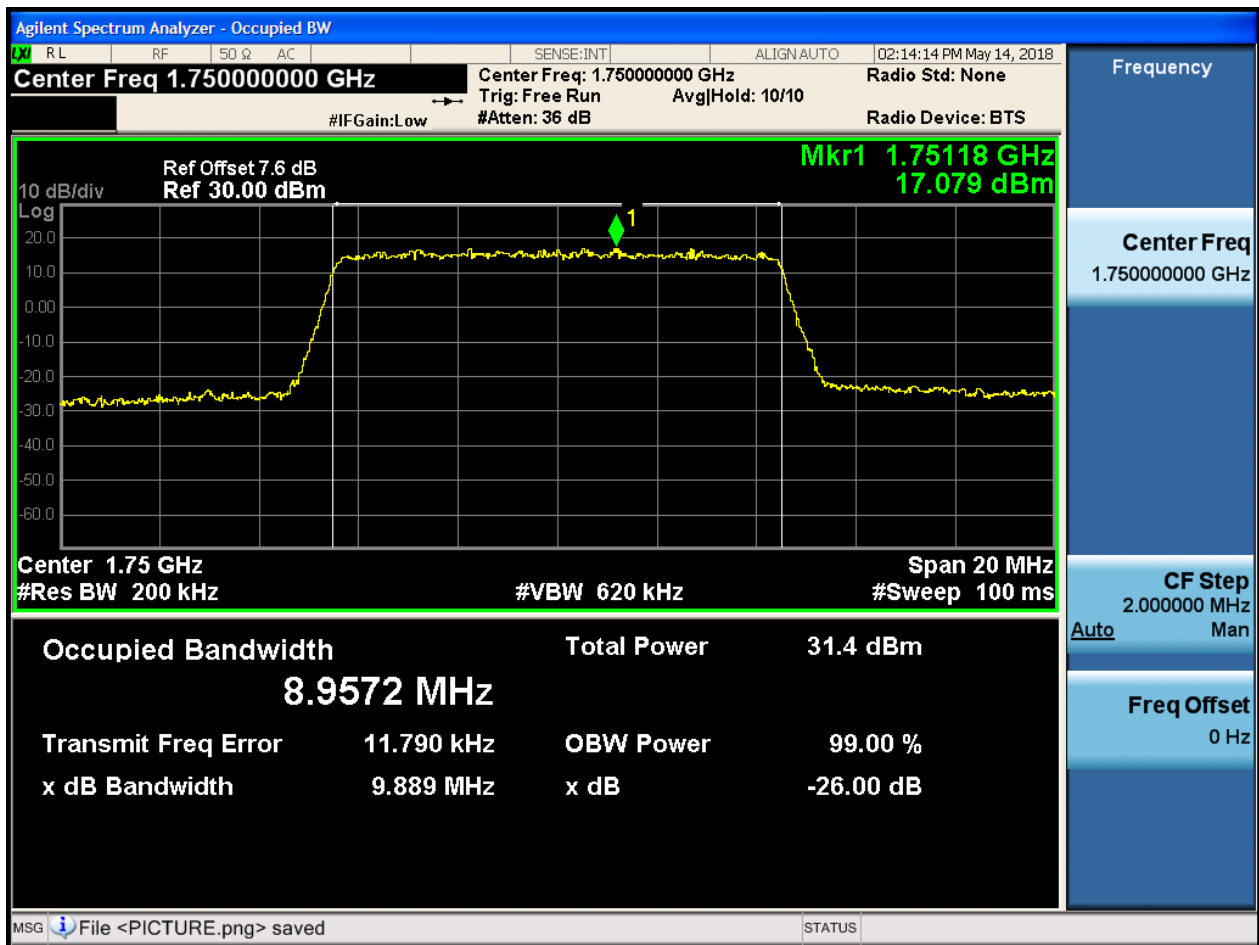
#### 4.1.1.1.4.2 Test Channel = MCH

##### 4.1.1.1.4.2.1 Test RB = RB50#0



#### 4.1.1.1.4.3 Test Channel = HCH

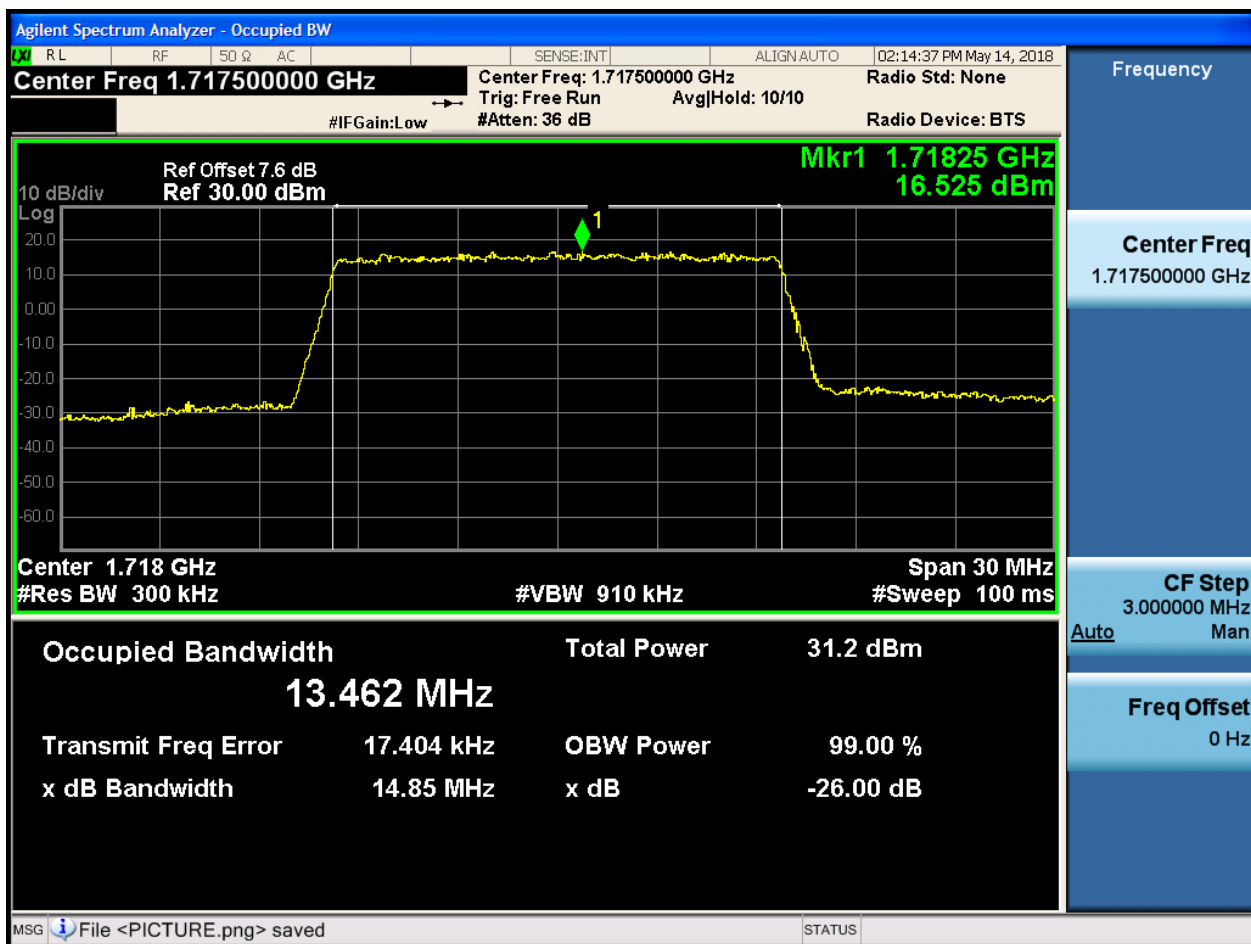
##### 4.1.1.1.4.3.1 Test RB = RB50#0



#### 4.1.1.1.5 Test Bandwidth = 15

##### 4.1.1.1.5.1 Test Channel = LCH

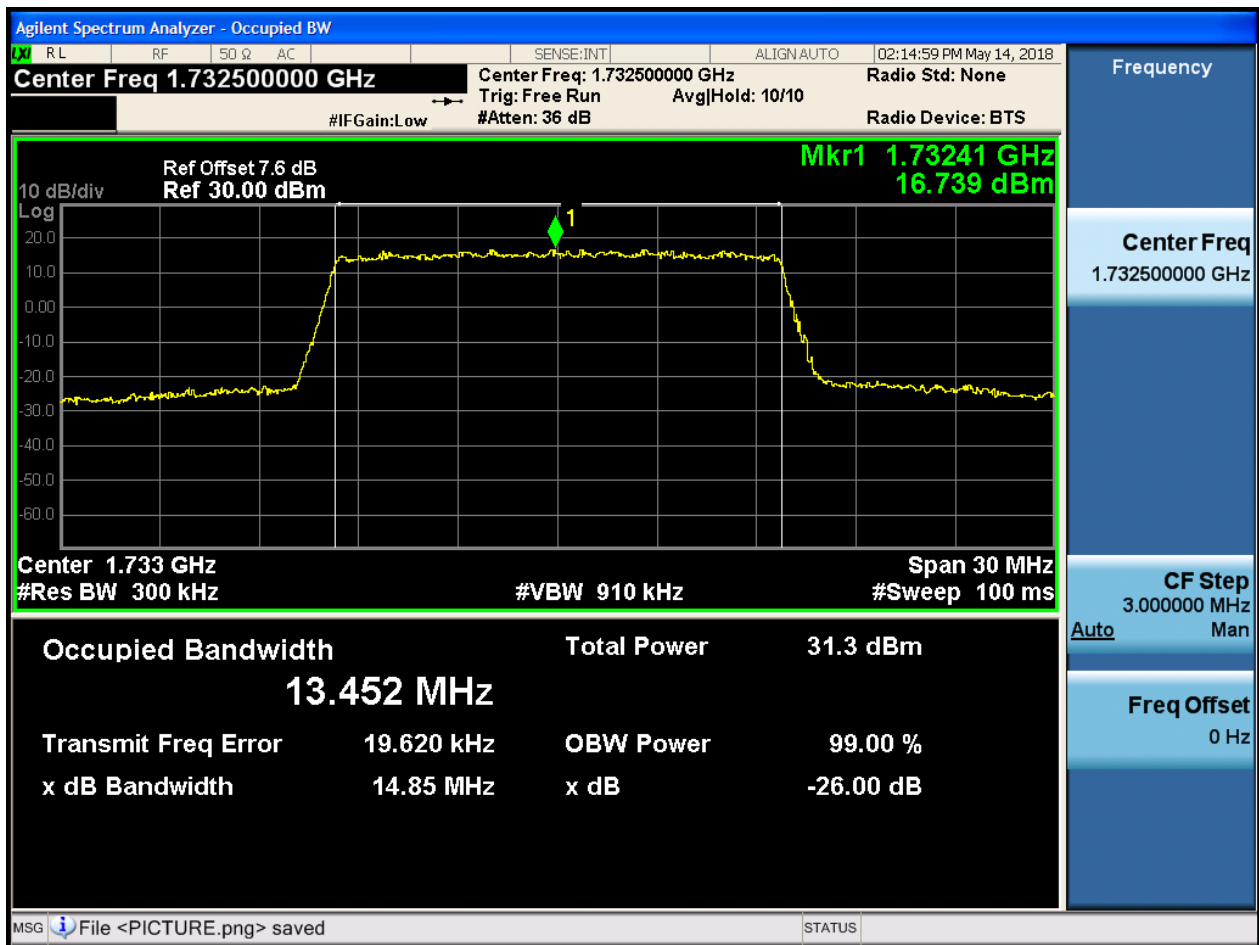
##### 4.1.1.1.5.1.1 Test RB = RB75#0





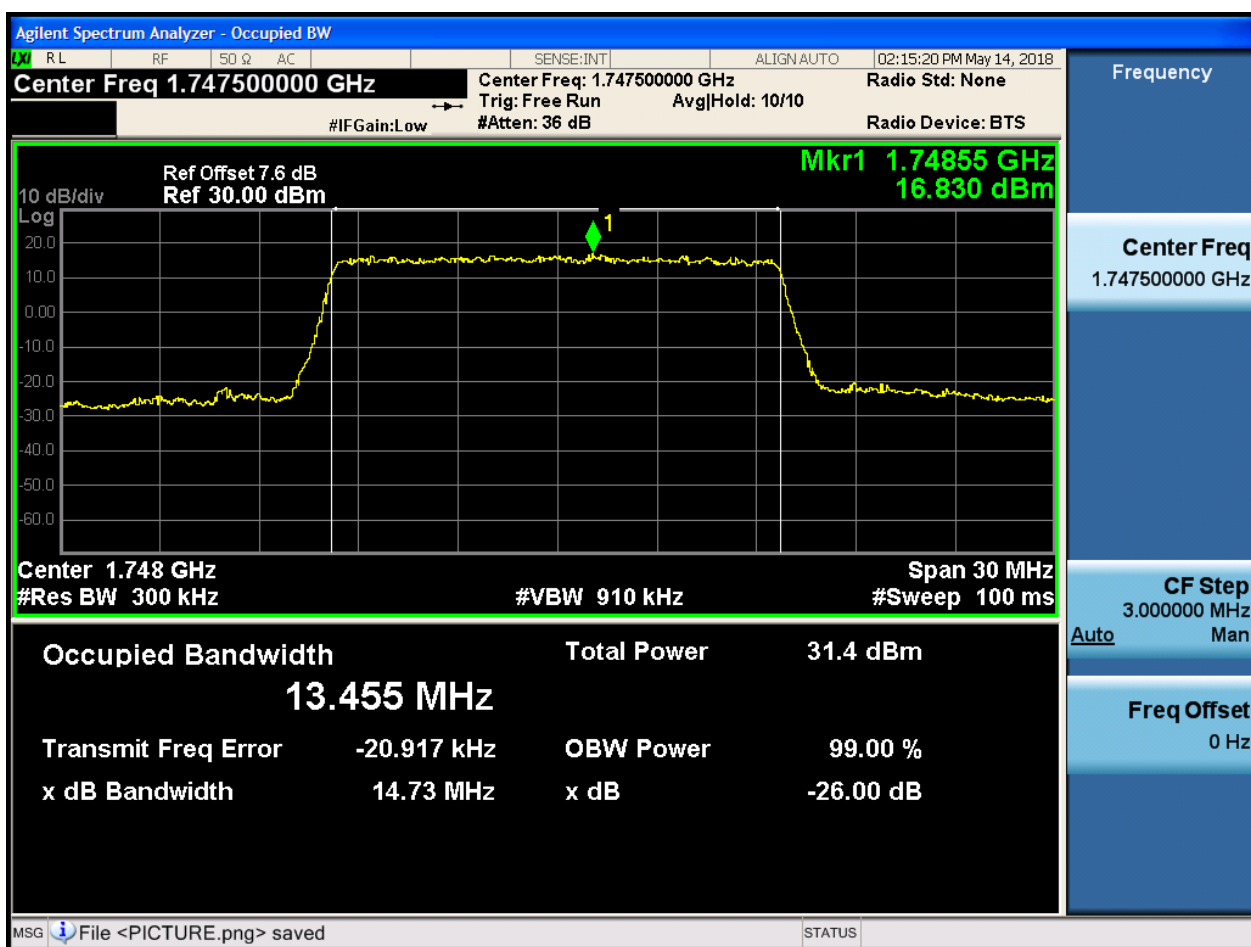
## 4.1.1.1.5.2 Test Channel = MCH

## 4.1.1.1.5.2.1 Test RB = RB75#0



#### 4.1.1.1.5.3 Test Channel = HCH

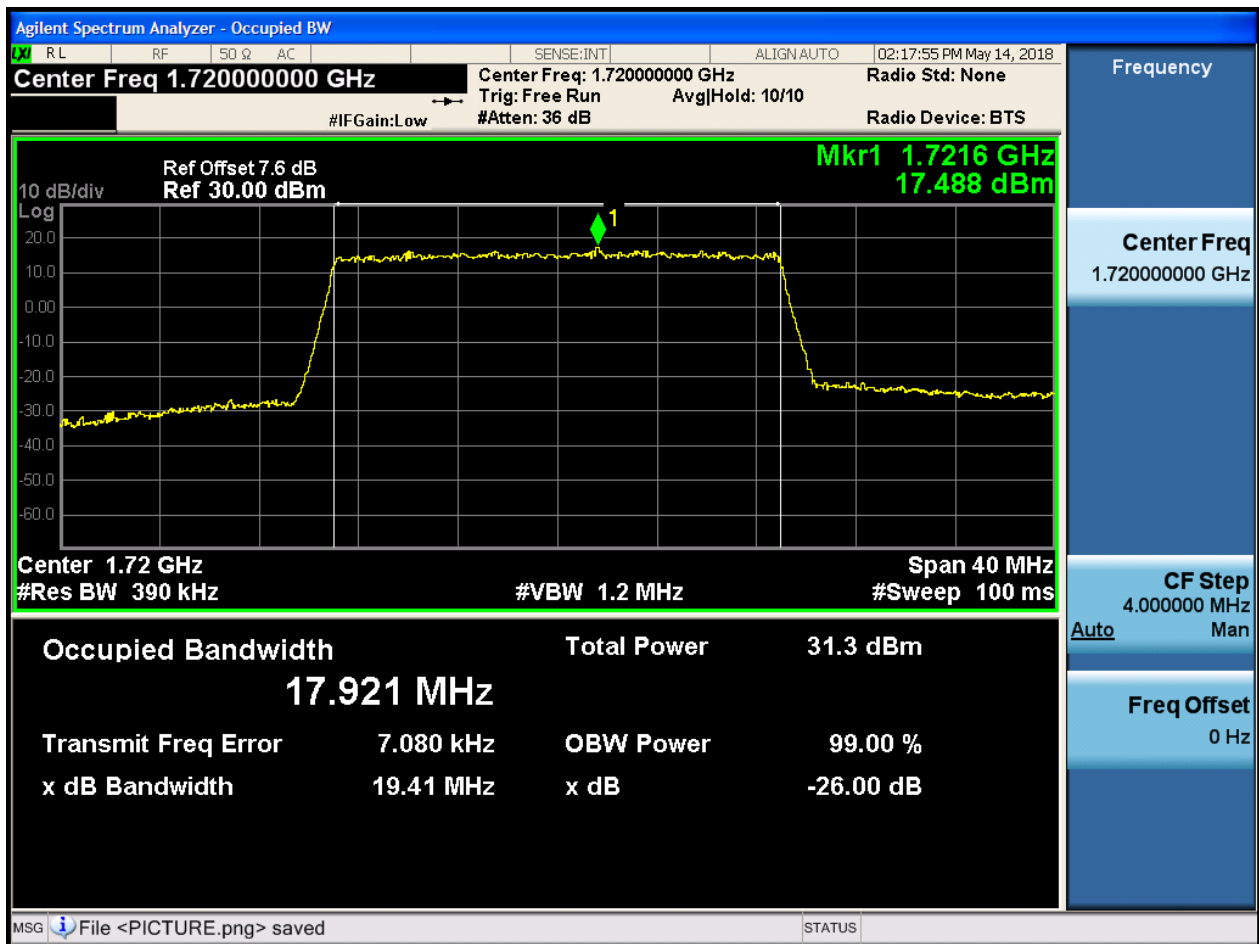
##### 4.1.1.1.5.3.1 Test RB = RB75#0



#### 4.1.1.1.6 Test Bandwidth = 20

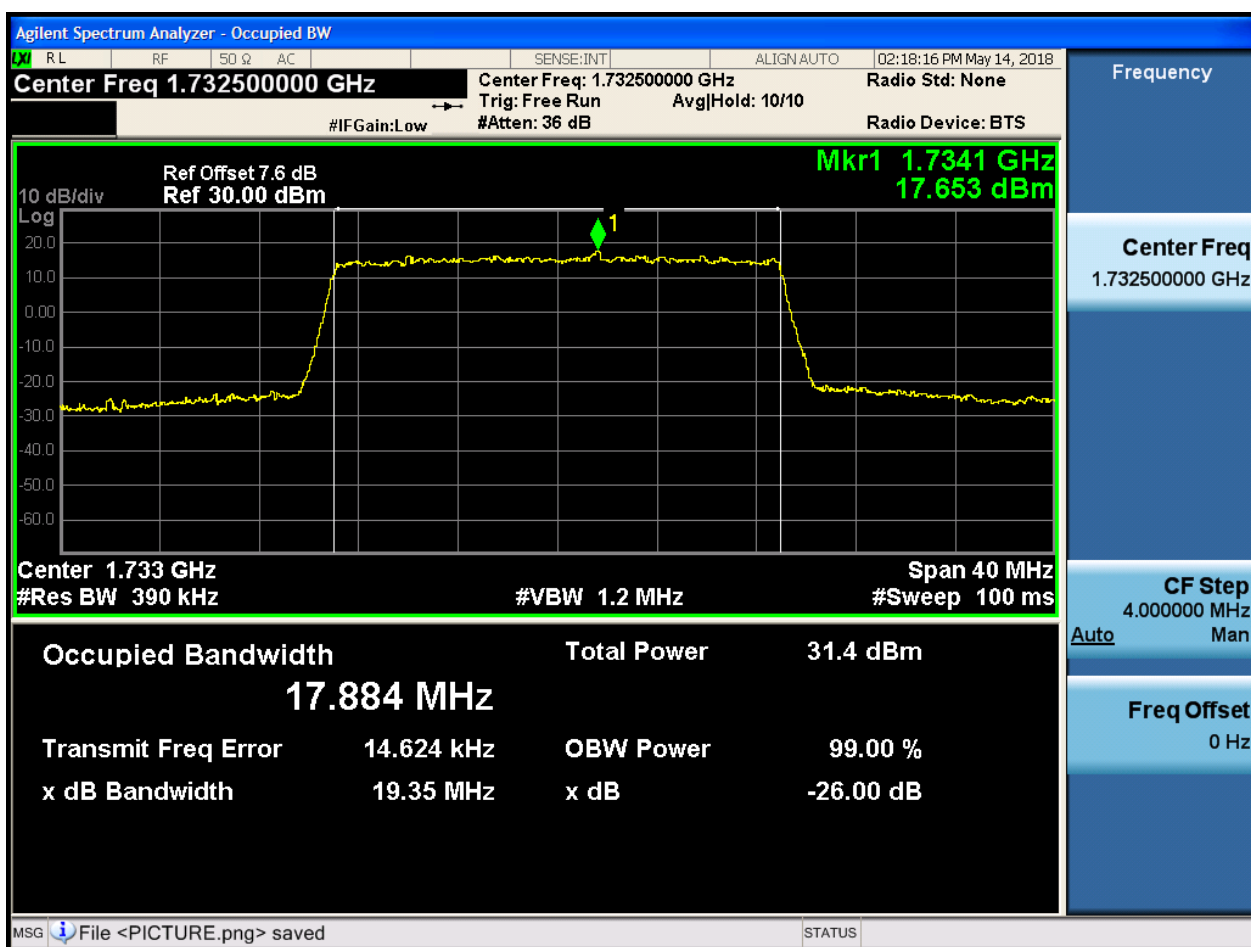
##### 4.1.1.1.6.1 Test Channel = LCH

##### 4.1.1.1.6.1.1 Test RB = RB100#0



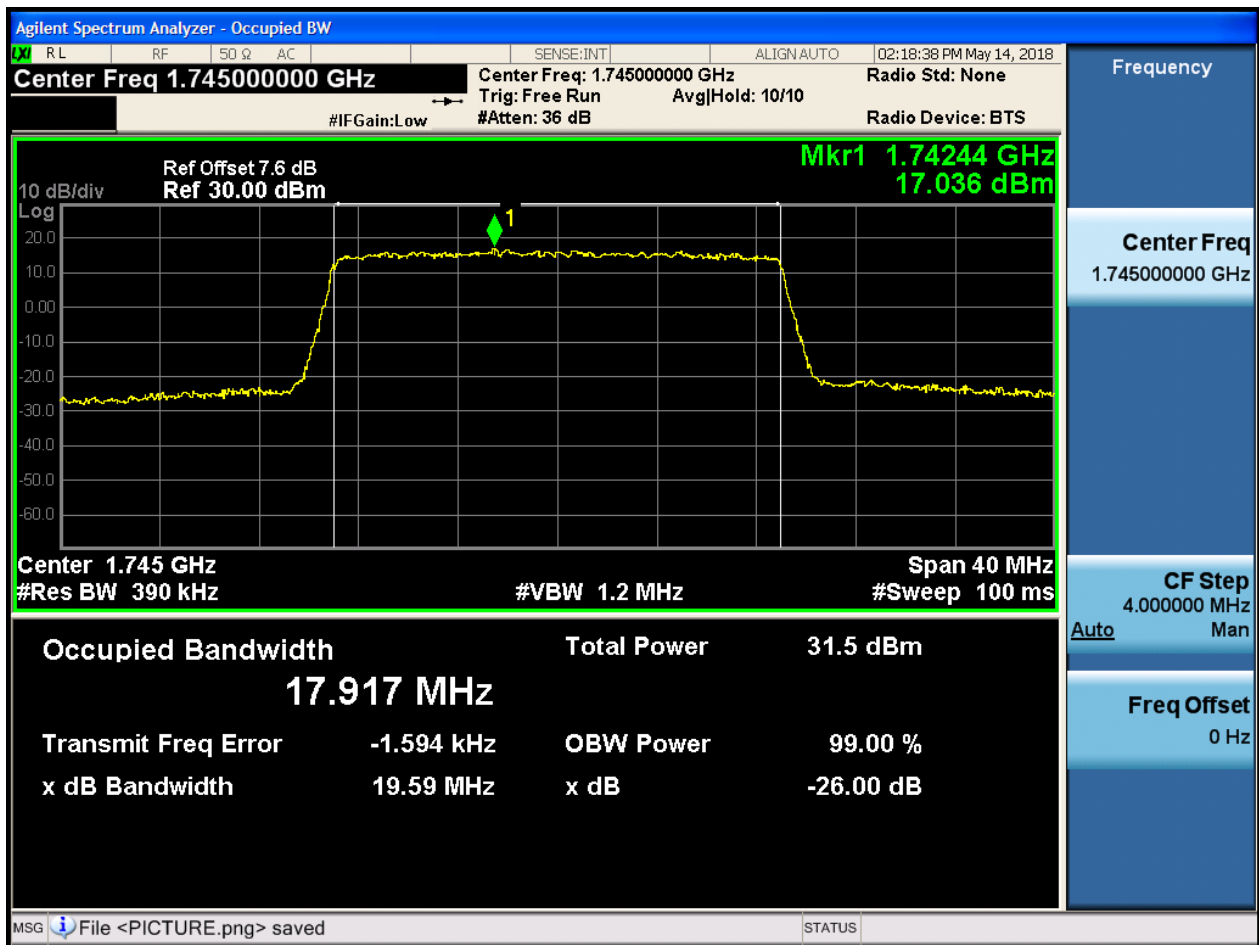
#### 4.1.1.1.6.2 Test Channel = MCH

##### 4.1.1.1.6.2.1 Test RB = RB100#0



#### 4.1.1.1.6.3 Test Channel = HCH

##### 4.1.1.1.6.3.1 Test RB = RB100#0

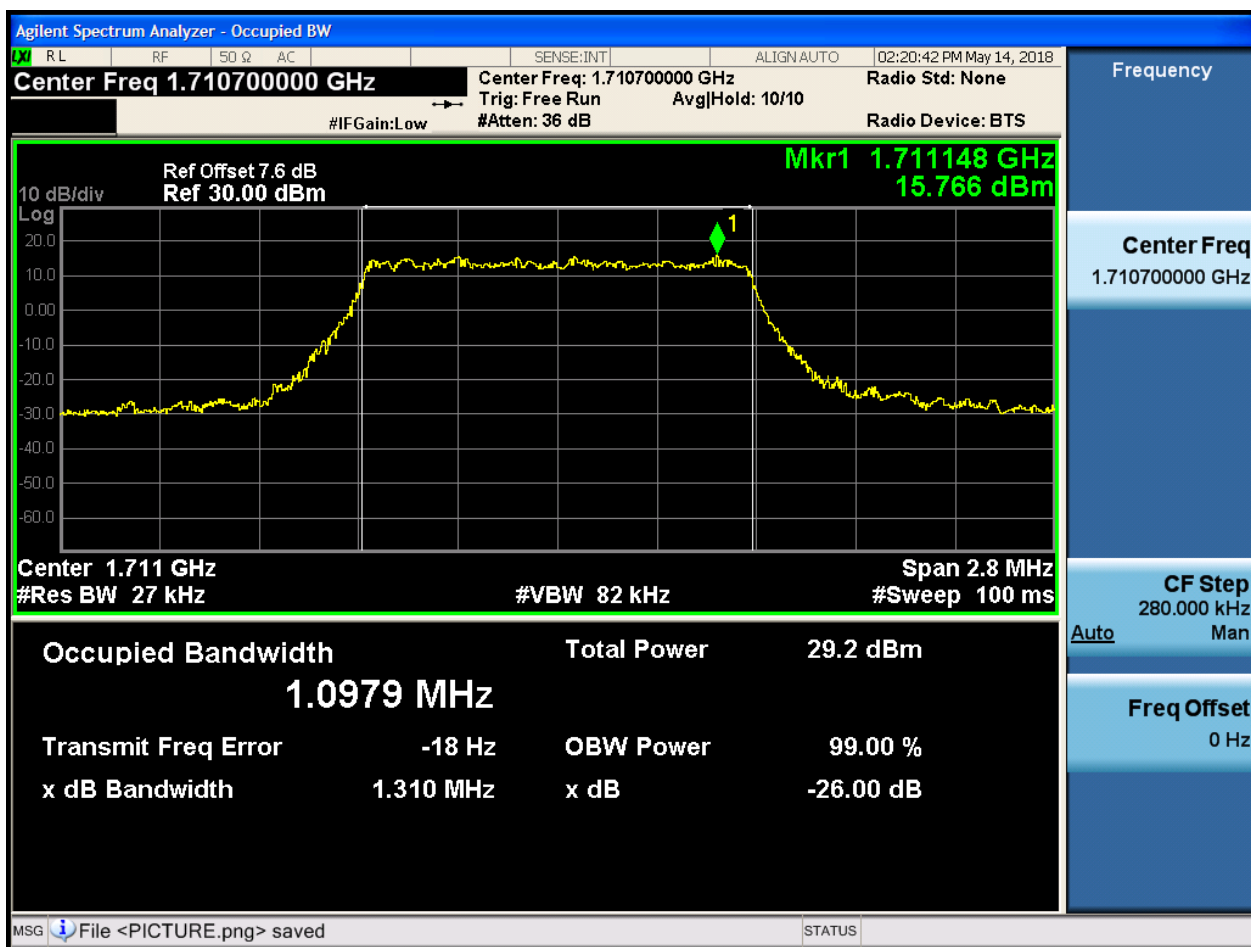


#### 4.1.1.2 Test Mode = LTE/TM2

##### 4.1.1.2.1 Test Bandwidth = 1.4

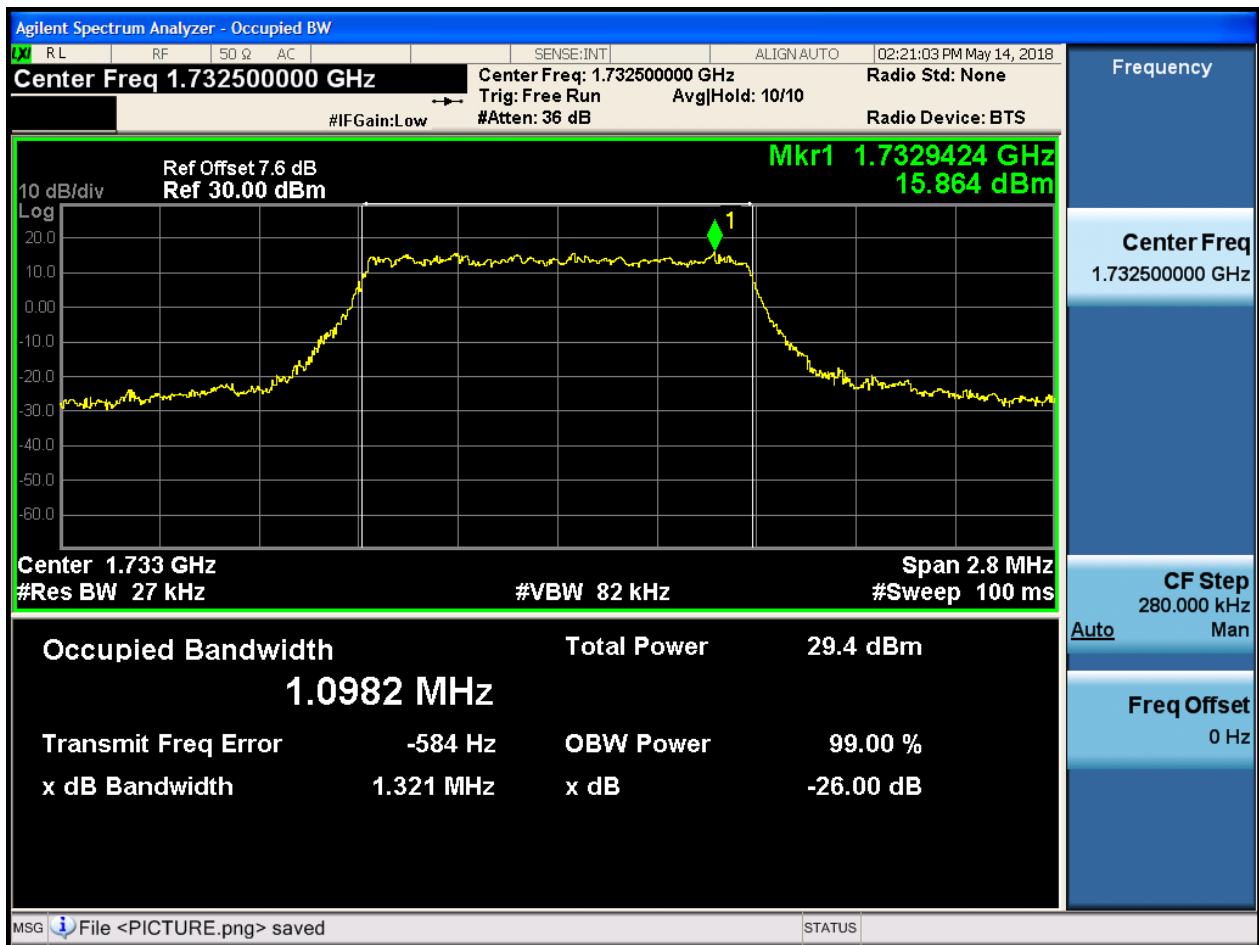
##### 4.1.1.2.1.1 Test Channel = LCH

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



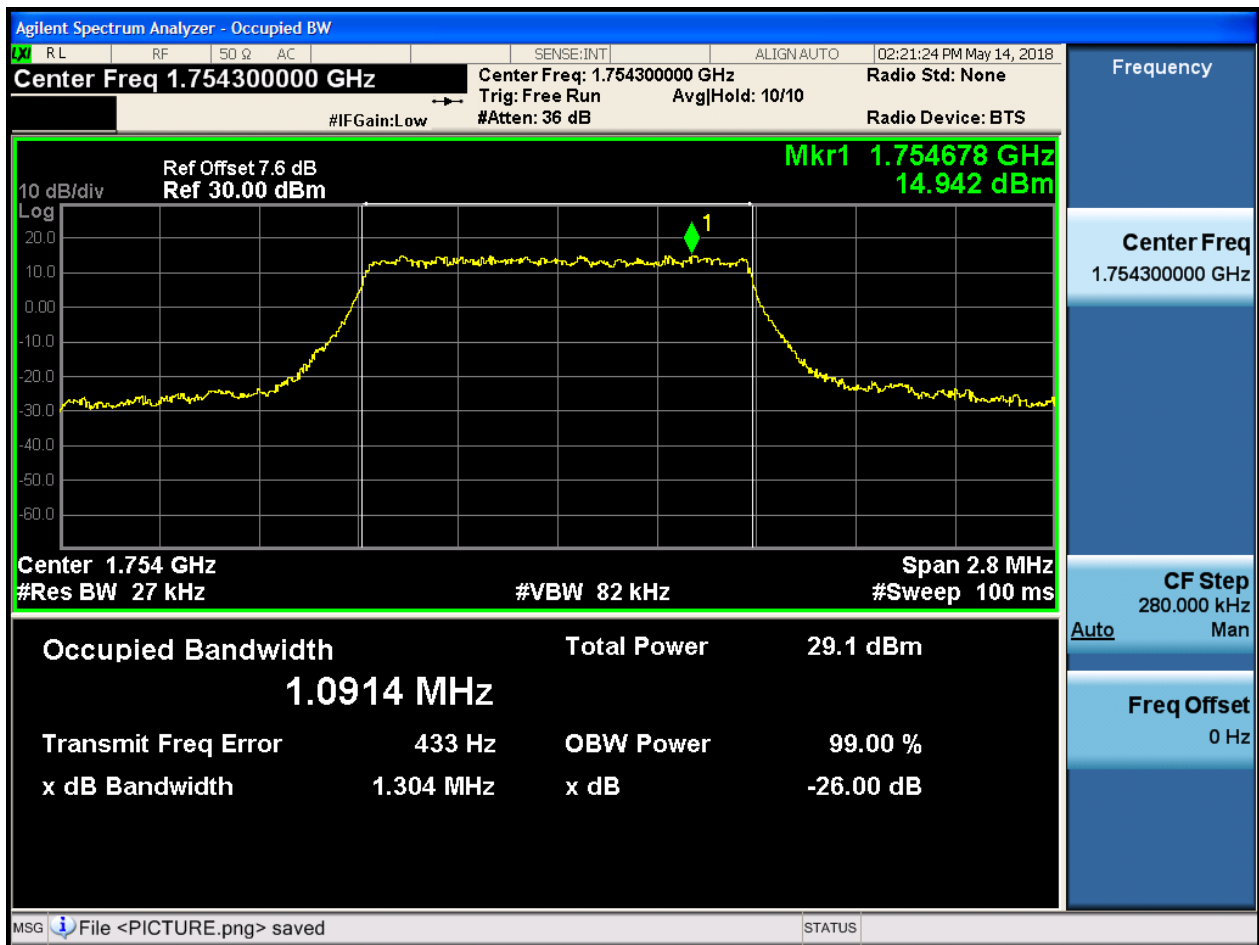
#### 4.1.1.2.1.2 Test Channel = MCH

##### 4.1.1.2.1.2.1 Test RB = RB6#0



#### 4.1.1.2.1.3 Test Channel = HCH

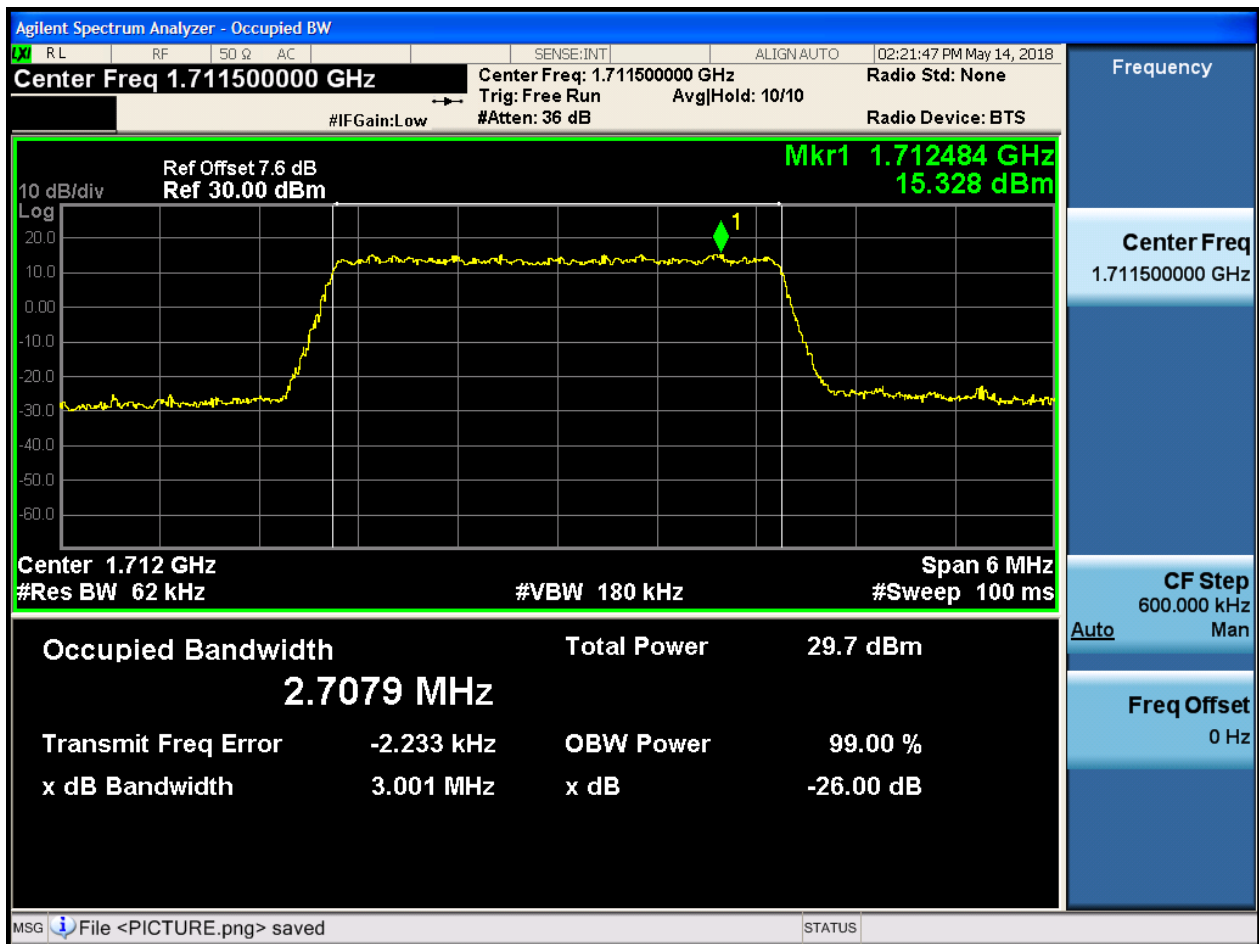
##### 4.1.1.2.1.3.1 Test RB = RB6#0



#### 4.1.1.2.2 Test Bandwidth = 3

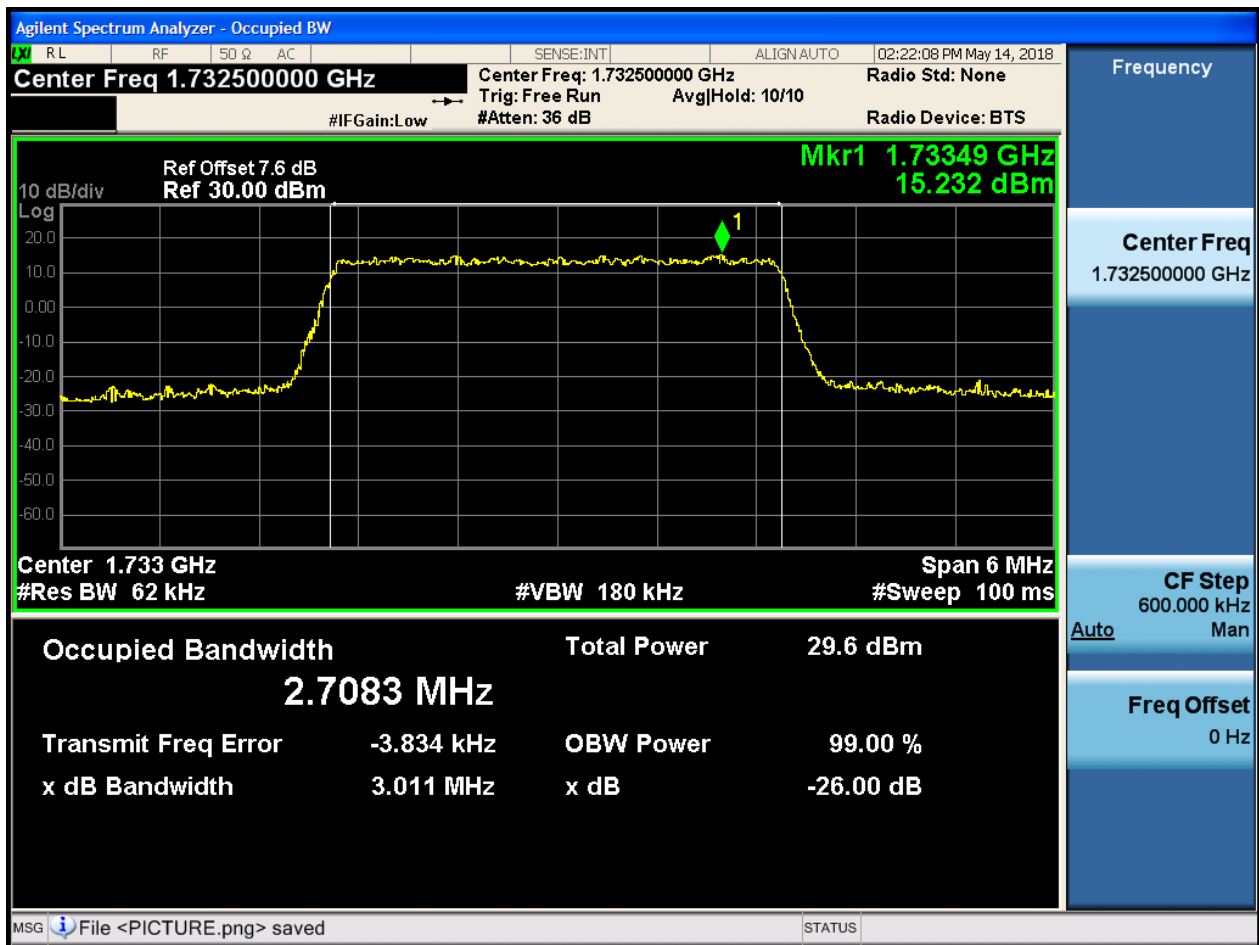
##### 4.1.1.2.2.1 Test Channel = LCH

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



#### 4.1.1.2.2.2 Test Channel = MCH

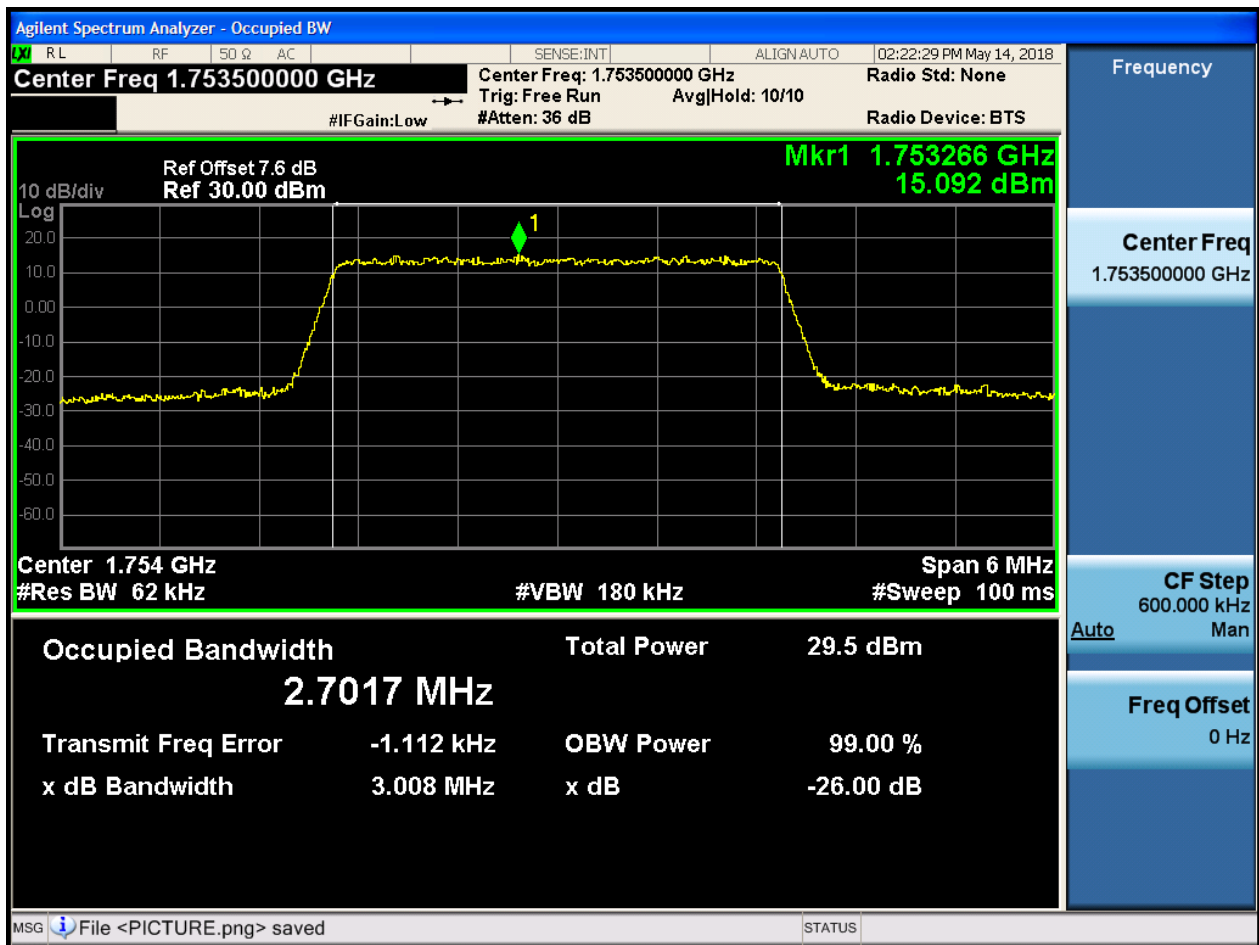
##### 4.1.1.2.2.2.1 Test RB = RB15#0





## 4.1.1.2.2.3 Test Channel = HCH

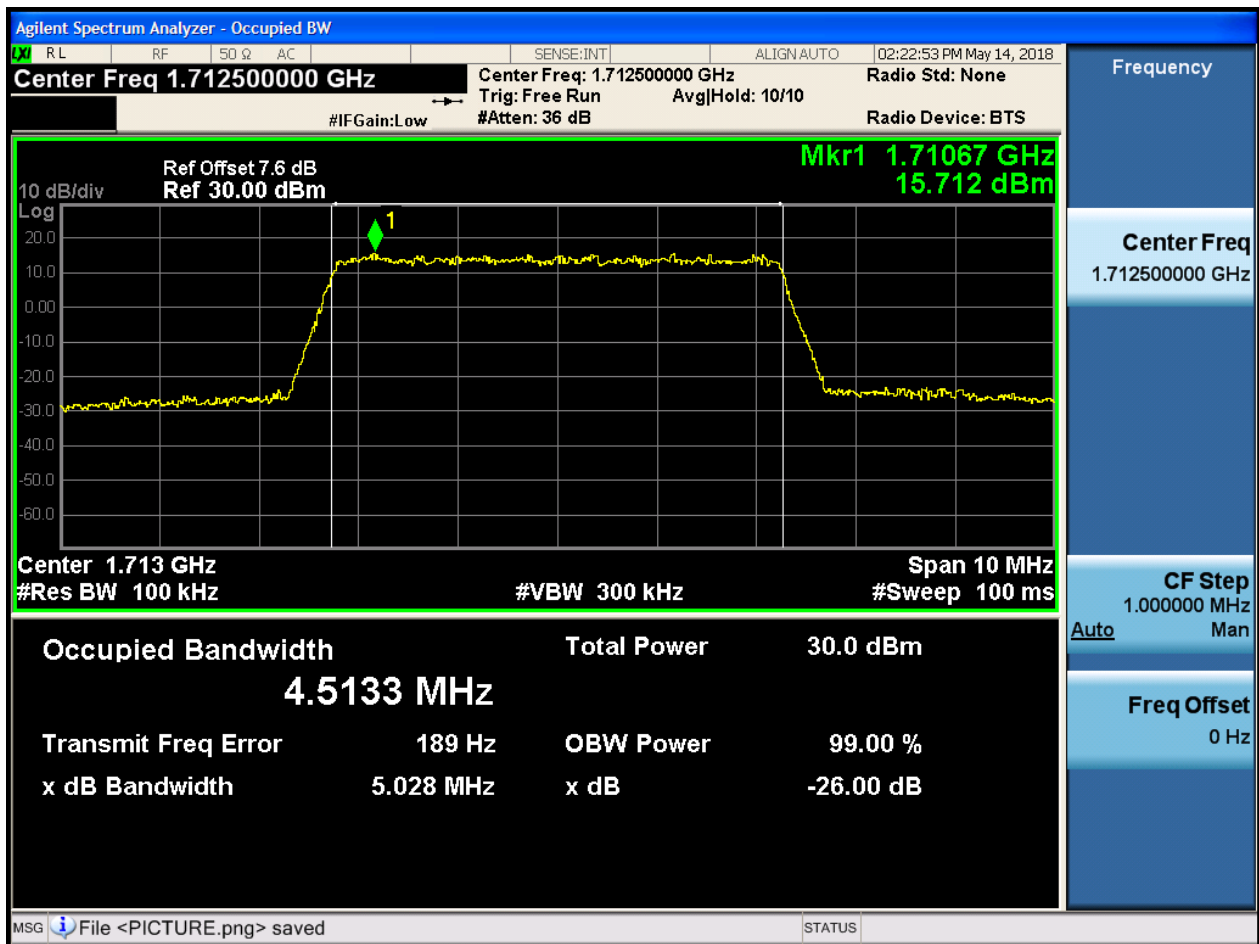
## 4.1.1.2.2.3.1 Test RB = RB15#0



#### 4.1.1.2.3 Test Bandwidth = 5

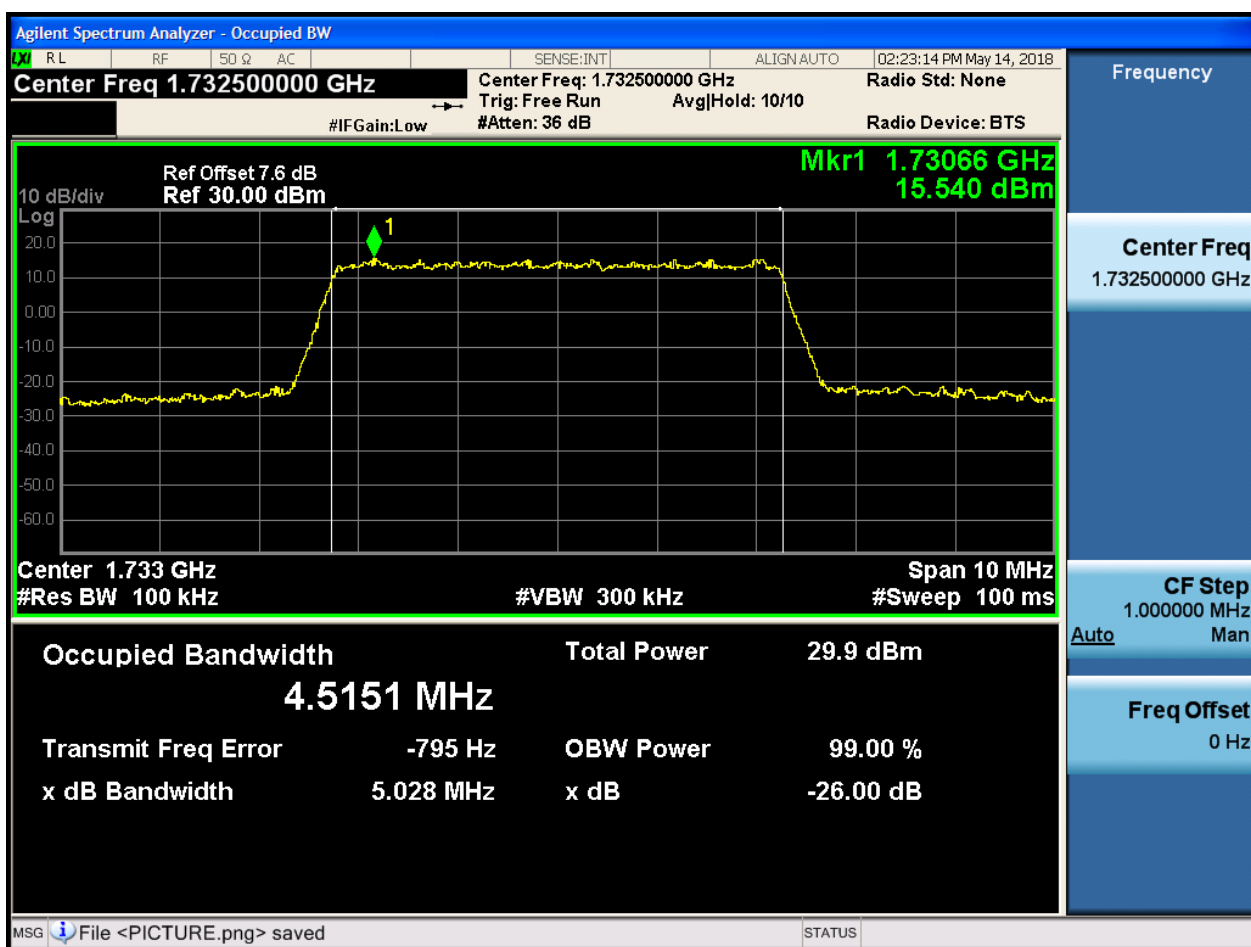
##### 4.1.1.2.3.1 Test Channel = LCH

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



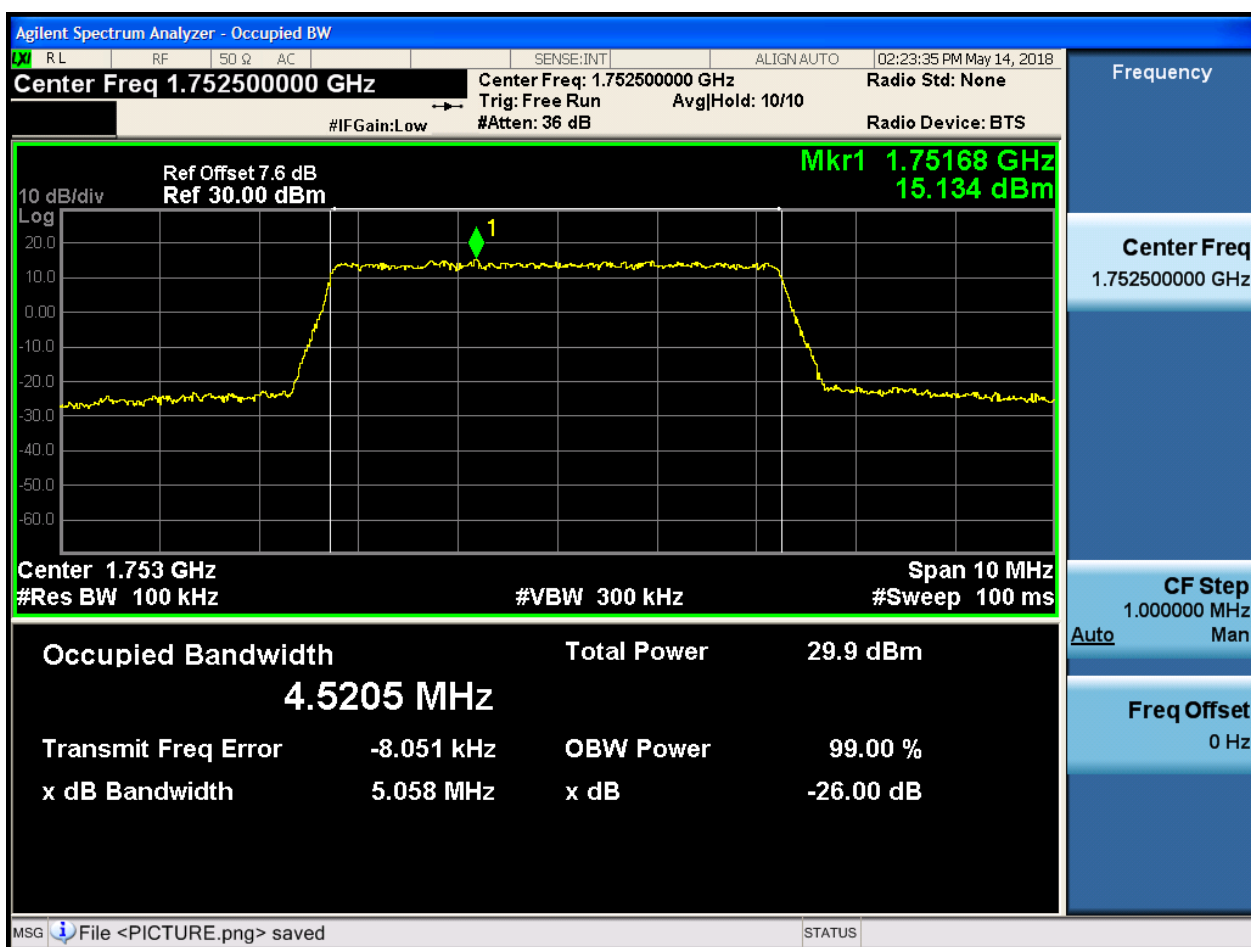
#### 4.1.1.2.3.2 Test Channel = MCH

#### 4.1.1.2.3.2.1 Test RB = RB25#0



#### 4.1.1.2.3.3 Test Channel = HCH

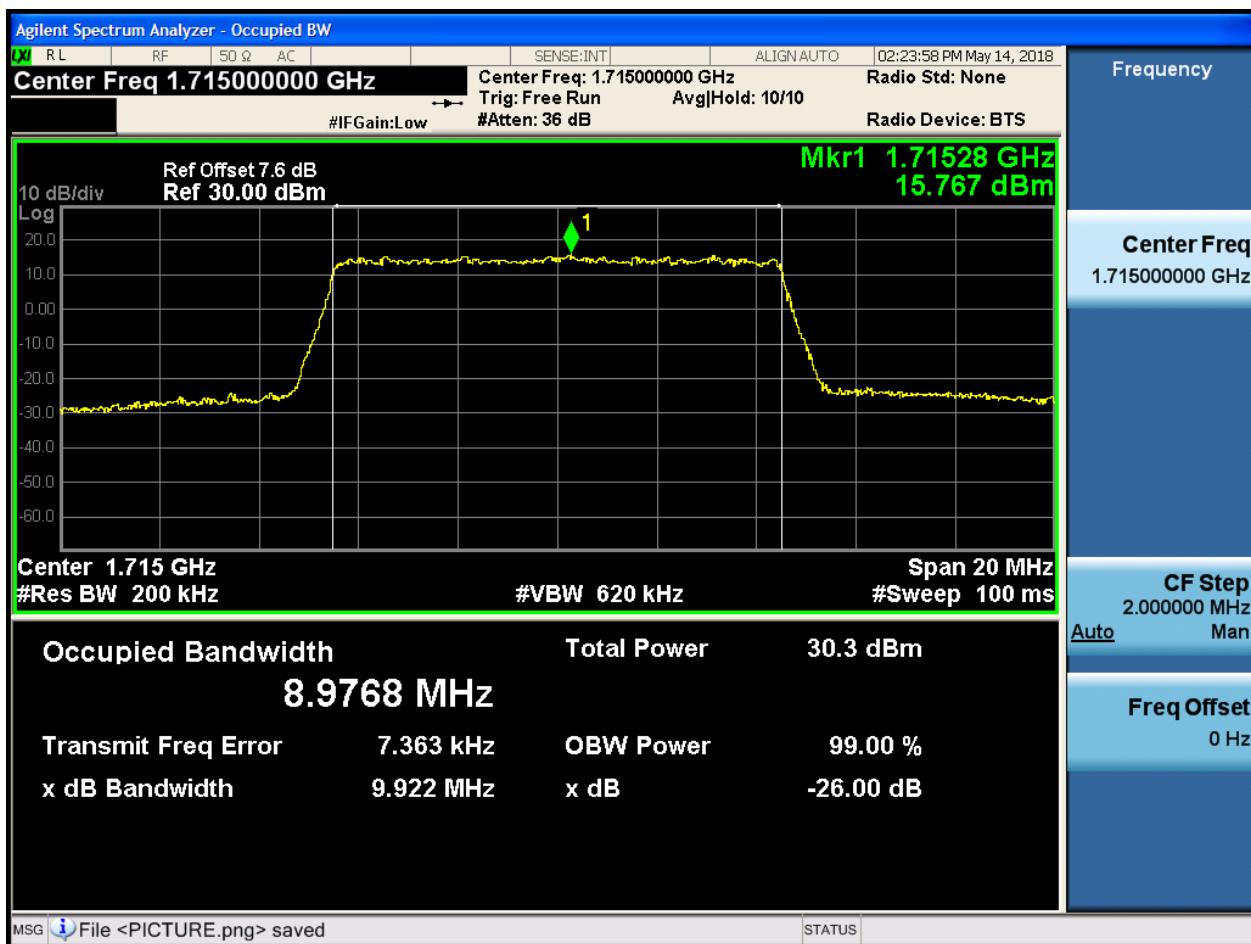
##### 4.1.1.2.3.3.1 Test RB = RB25#0



#### 4.1.1.2.4 Test Bandwidth = 10

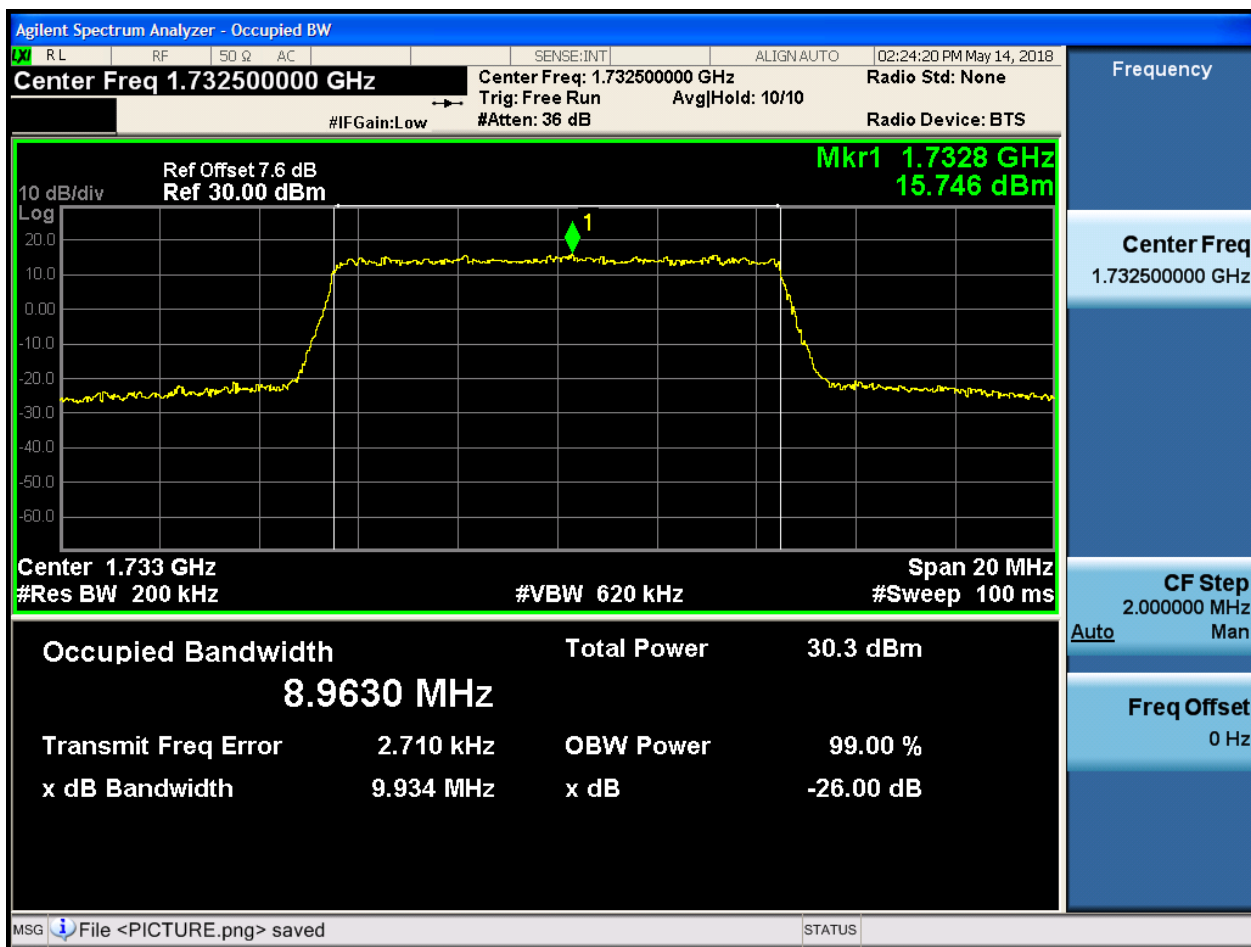
##### 4.1.1.2.4.1 Test Channel = LCH

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



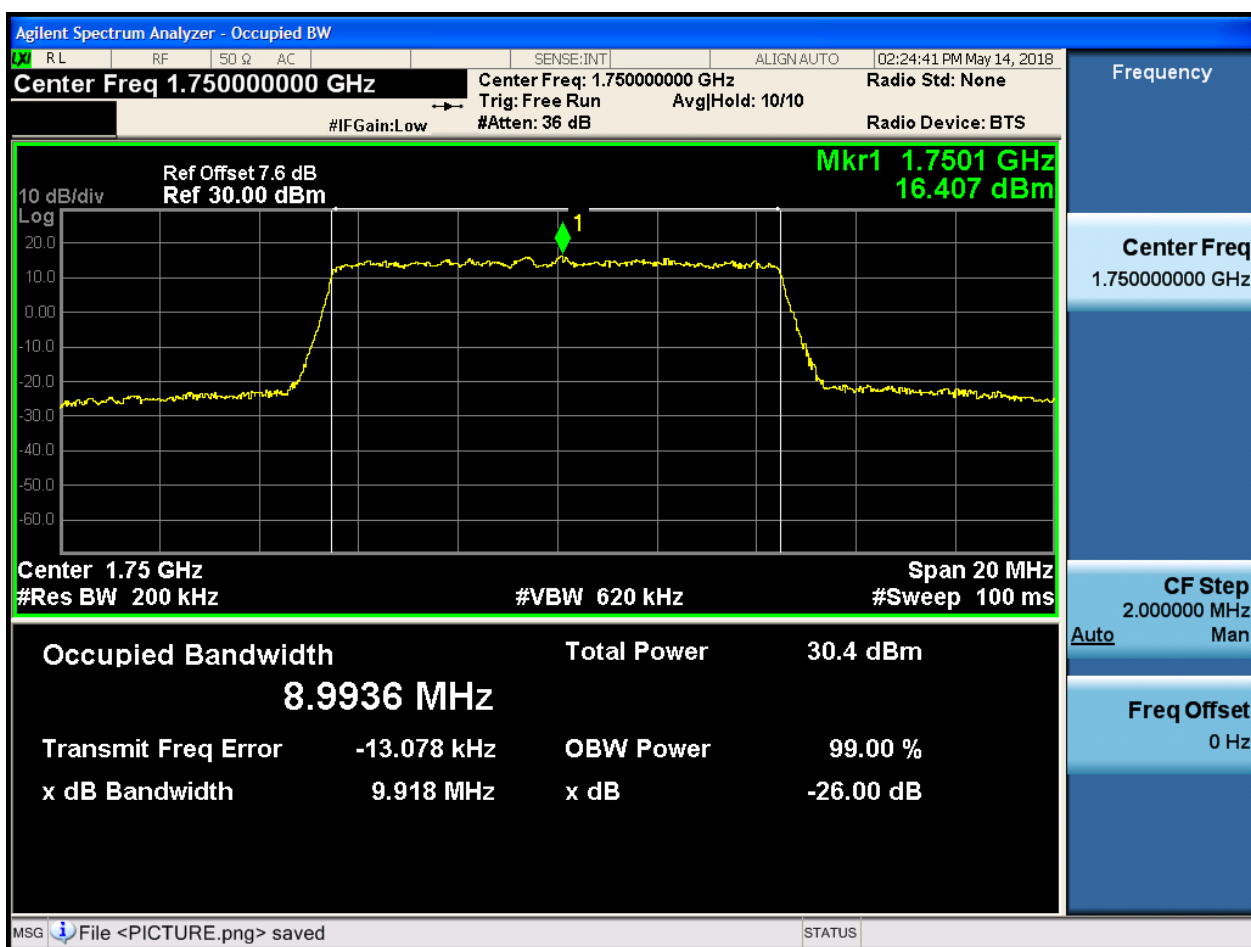
#### 4.1.1.2.4.2 Test Channel = MCH

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



#### 4.1.1.2.4.3 Test Channel = HCH

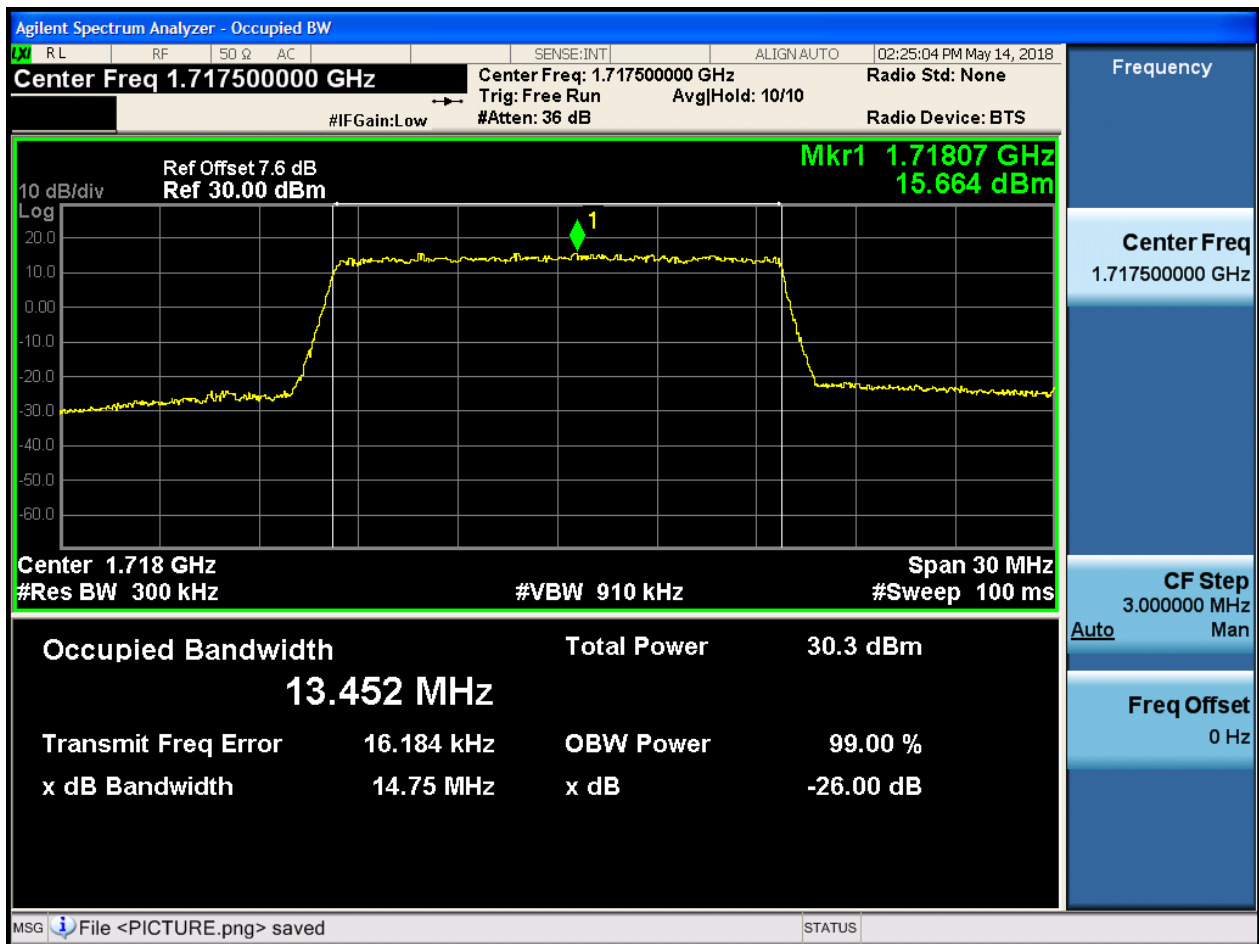
##### 4.1.1.2.4.3.1 Test RB = RB50#0



#### 4.1.1.2.5 Test Bandwidth = 15

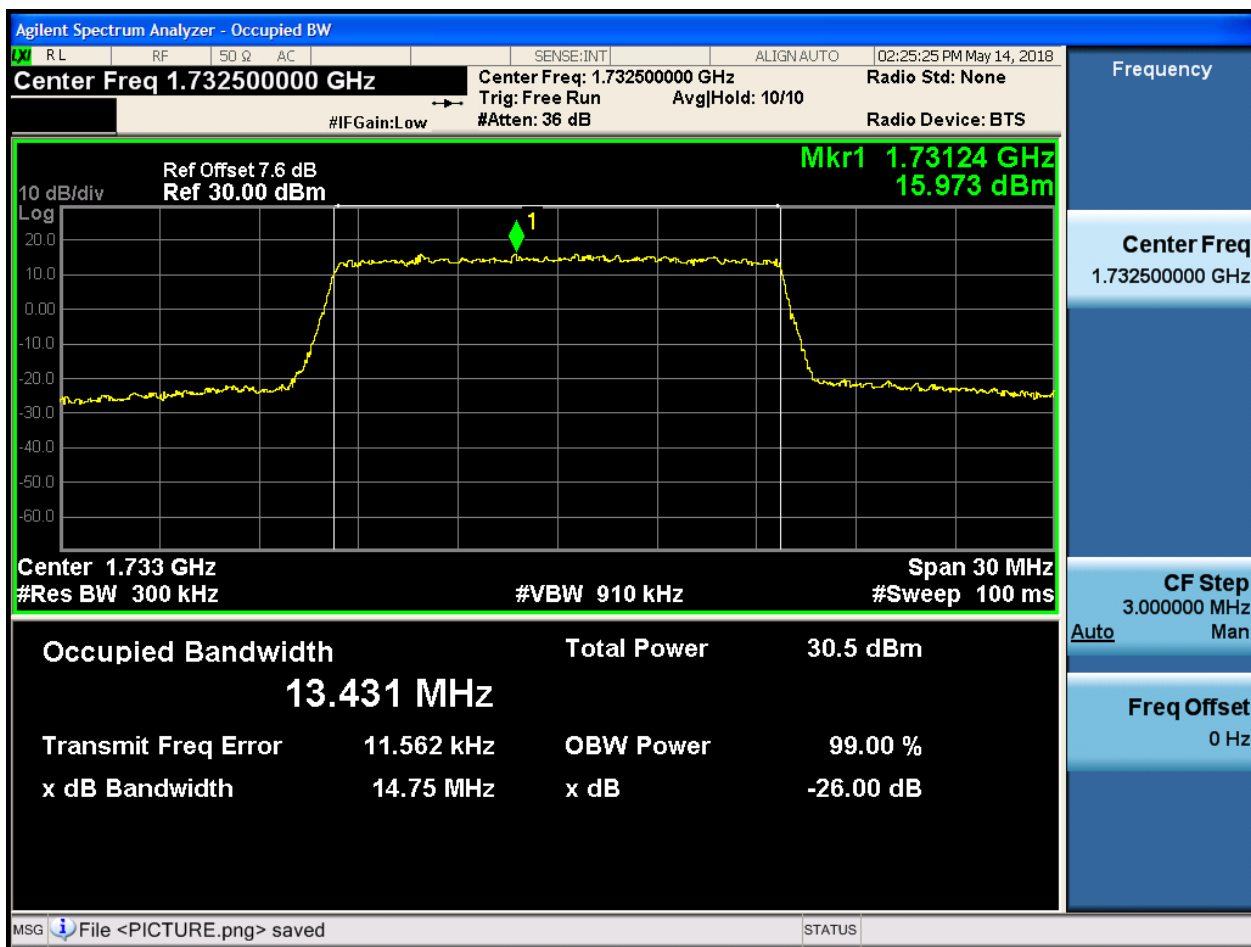
##### 4.1.1.2.5.1 Test Channel = LCH

##### 4.1.1.2.5.1.1 Test RB = RB75#0



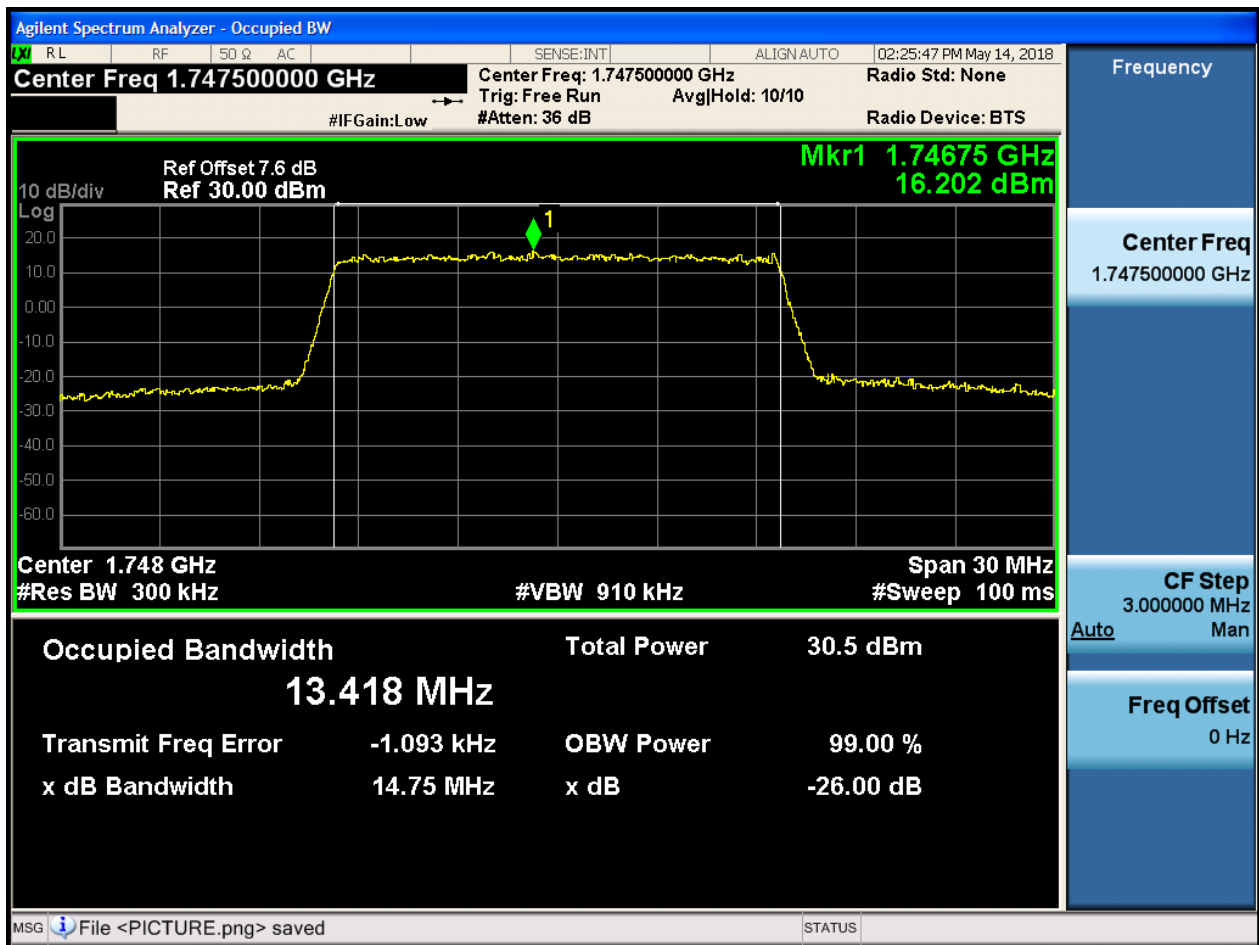
#### 4.1.1.2.5.2 Test Channel = MCH

##### 4.1.1.2.5.2.1 Test RB = RB75#0



#### 4.1.1.2.5.3 Test Channel = HCH

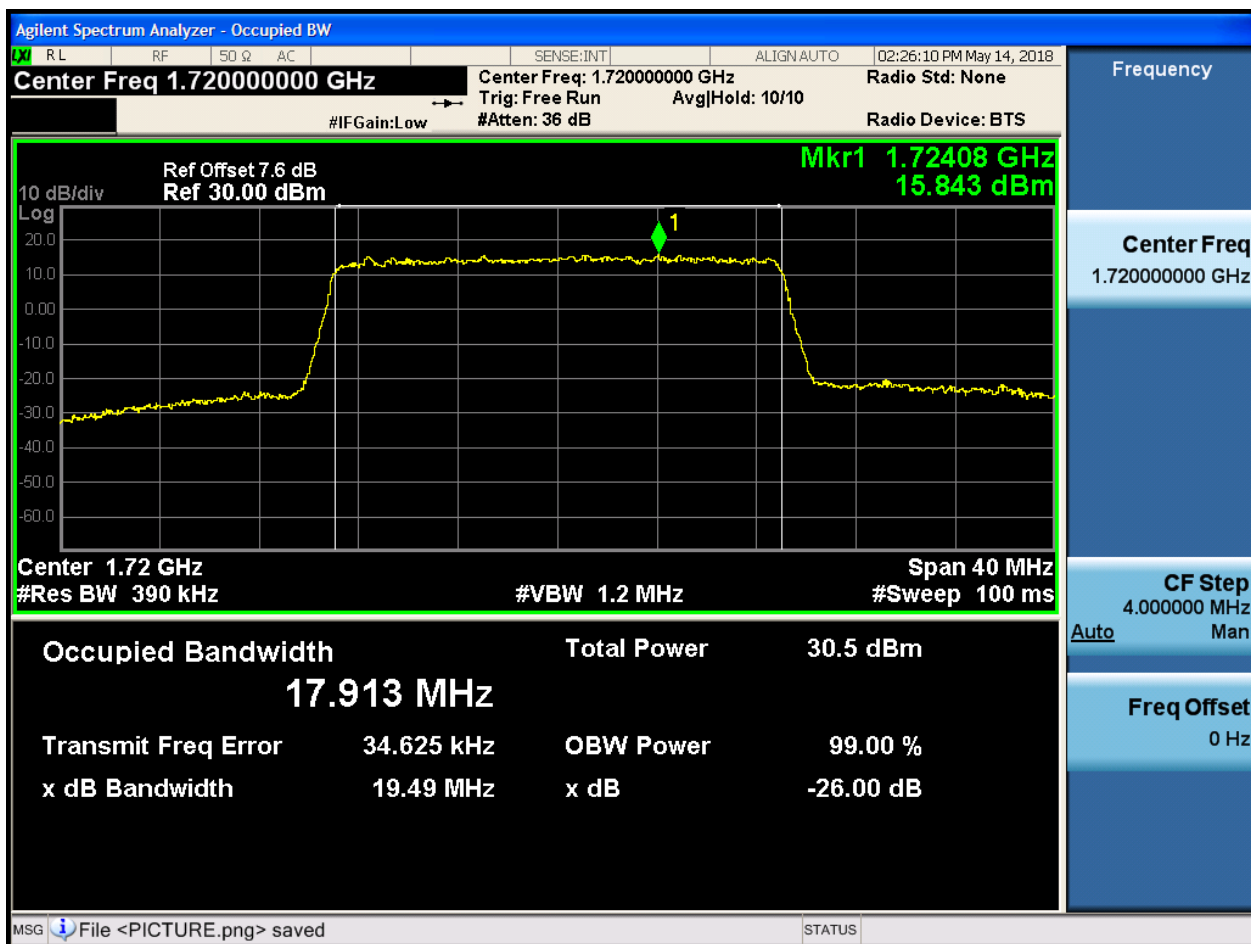
##### 4.1.1.2.5.3.1 Test RB = RB75#0



#### 4.1.1.2.6 Test Bandwidth = 20

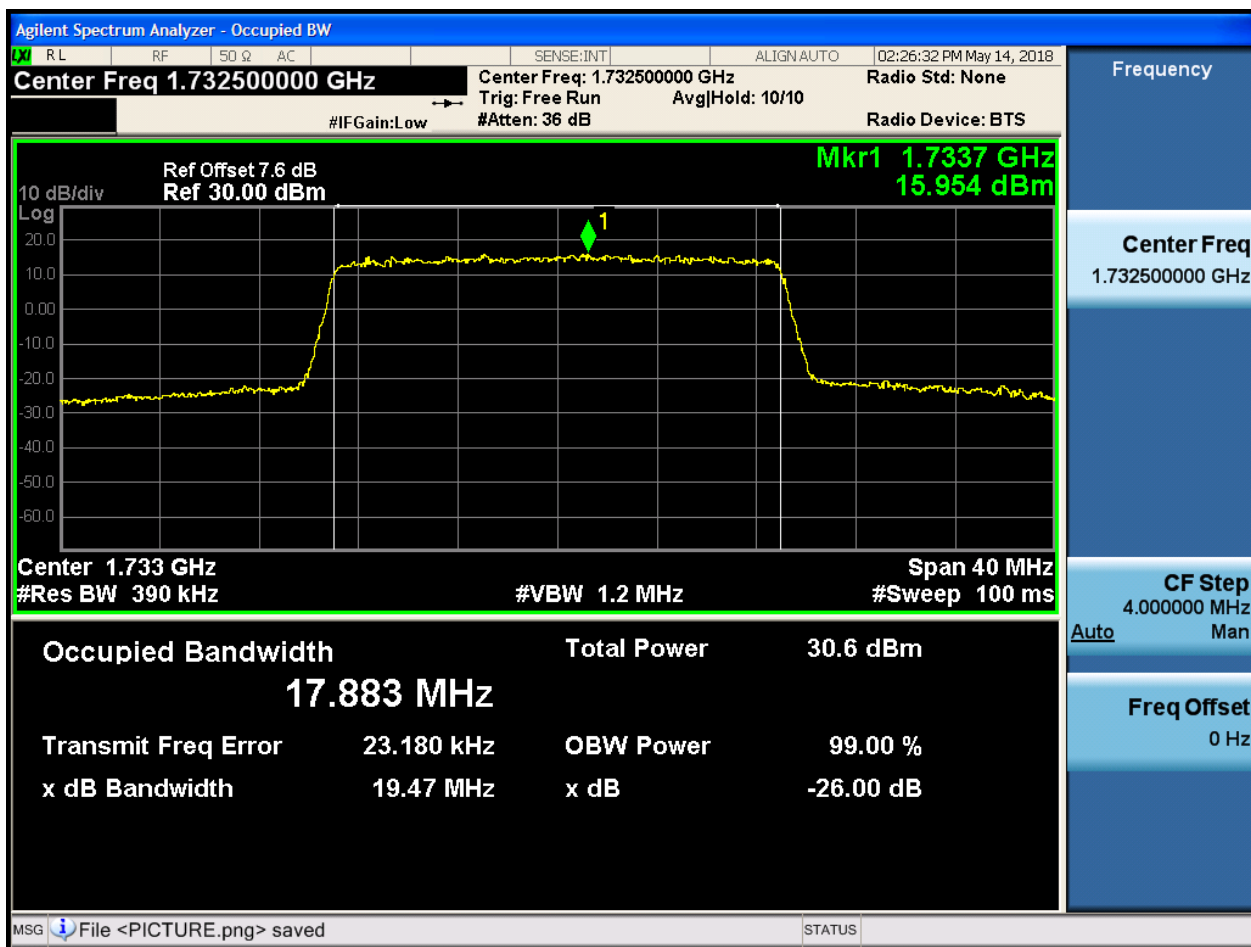
##### 4.1.1.2.6.1 Test Channel = LCH

##### 4.1.1.2.6.1.1 Test RB = RB100#0



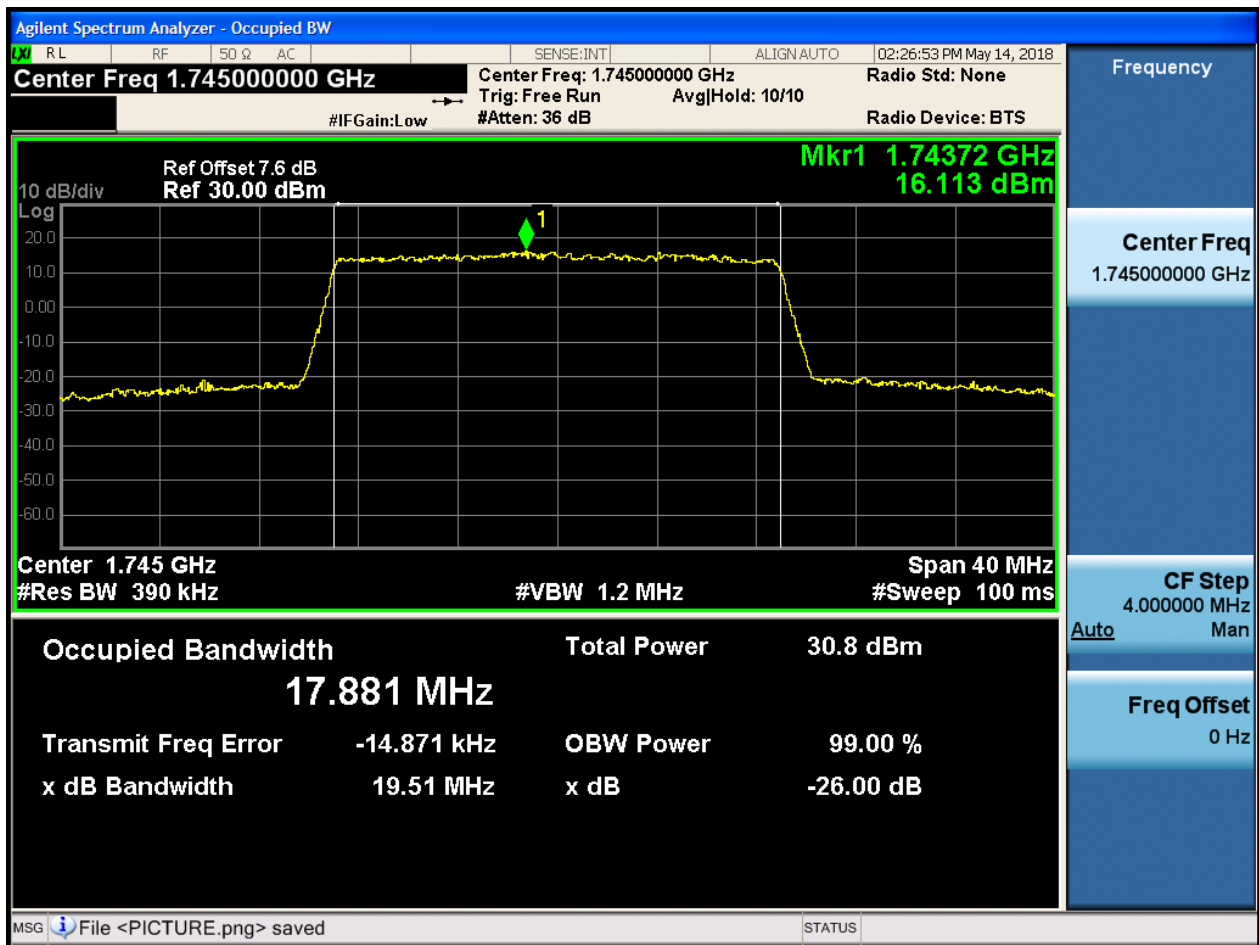
#### 4.1.1.2.6.2 Test Channel = MCH

##### 4.1.1.2.6.2.1 Test RB = RB100#0



#### 4.1.1.2.6.3 Test Channel = HCH

##### 4.1.1.2.6.3.1 Test RB = RB100#0



## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

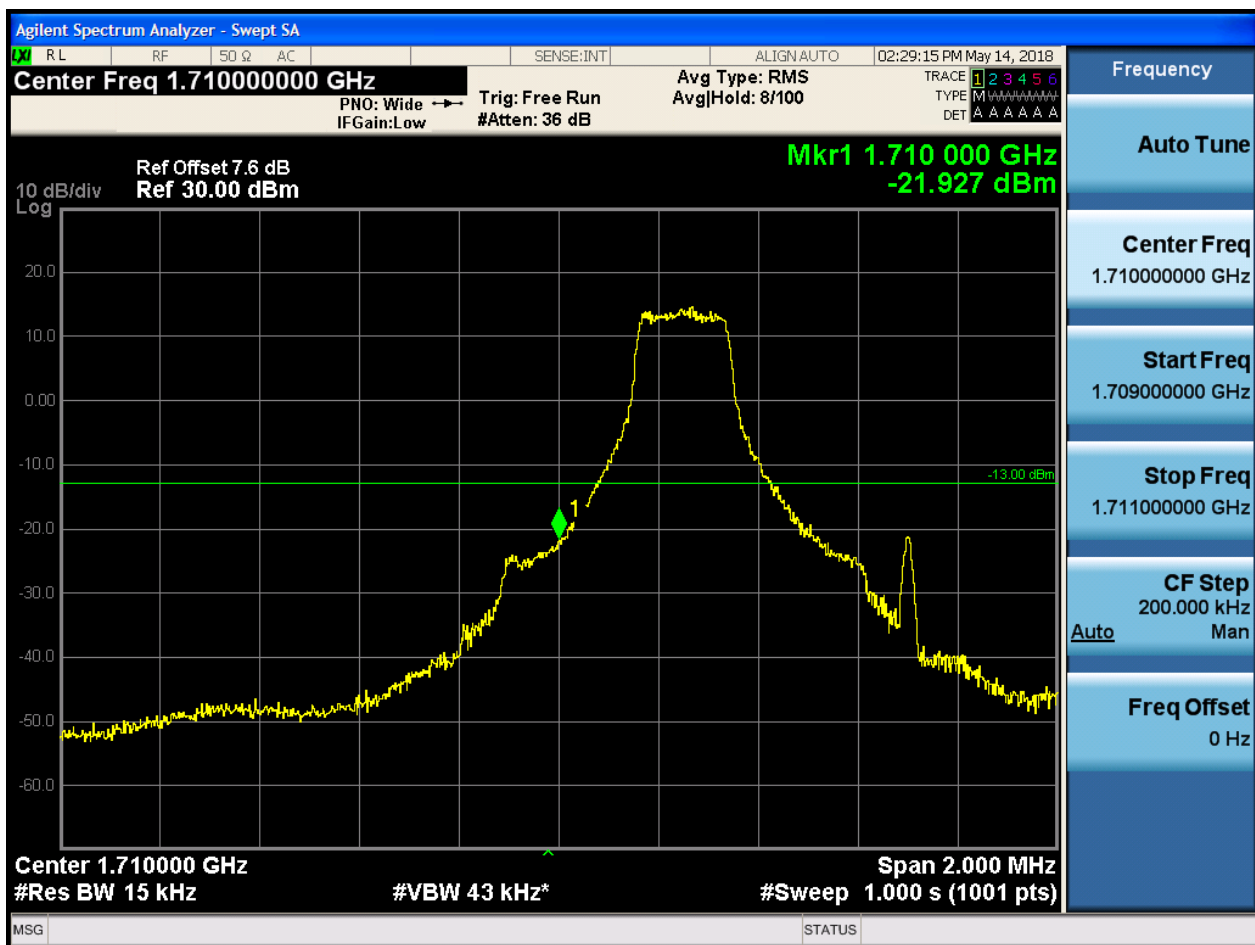
##### 5.1.1 Test Band = BAND4

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

##### 5.1.1.1.1 Test Bandwidth = 1.4

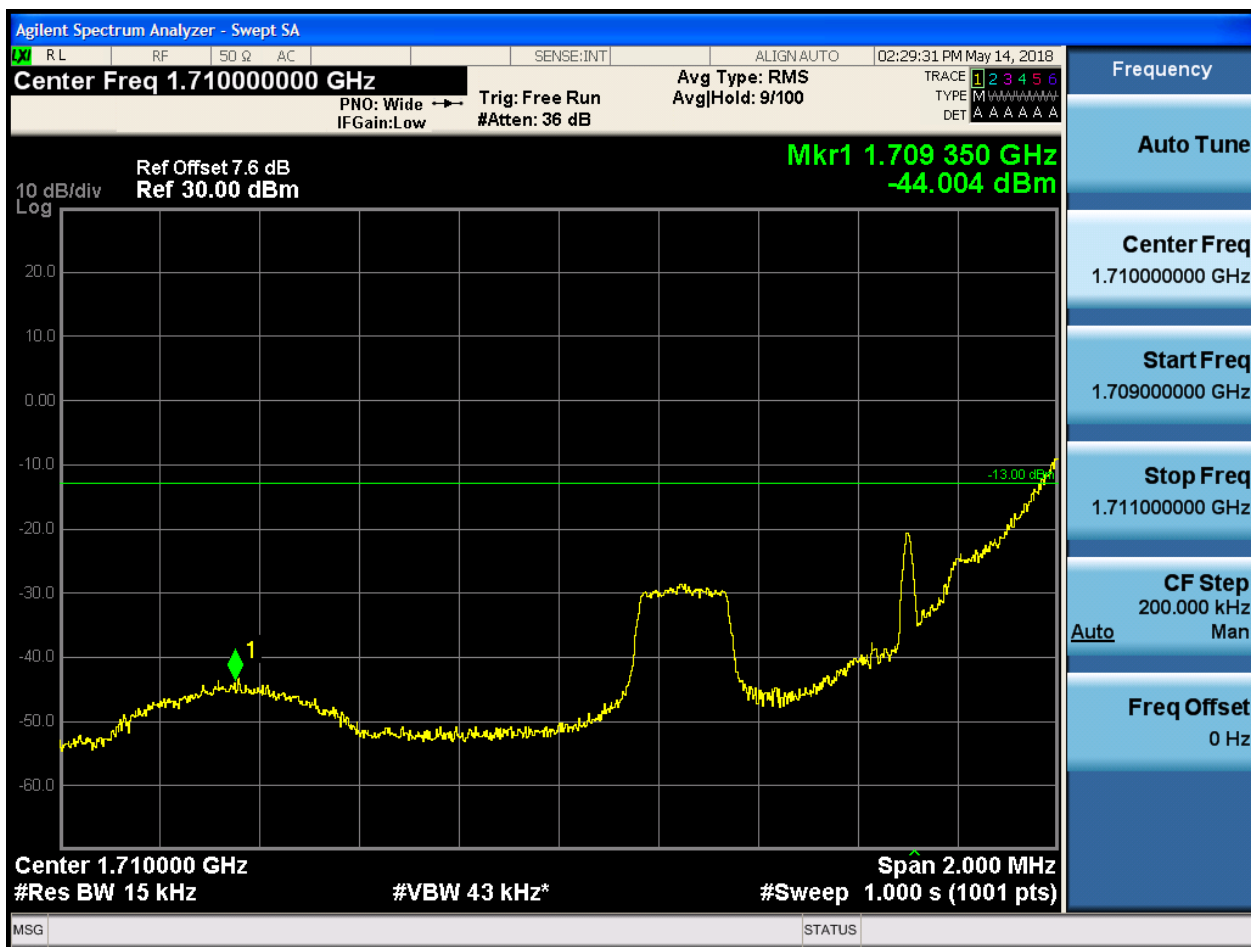
##### 5.1.1.1.1.1 Test Channel = LCH

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





## 5.1.1.1.1.2 Test RB = RB1#5

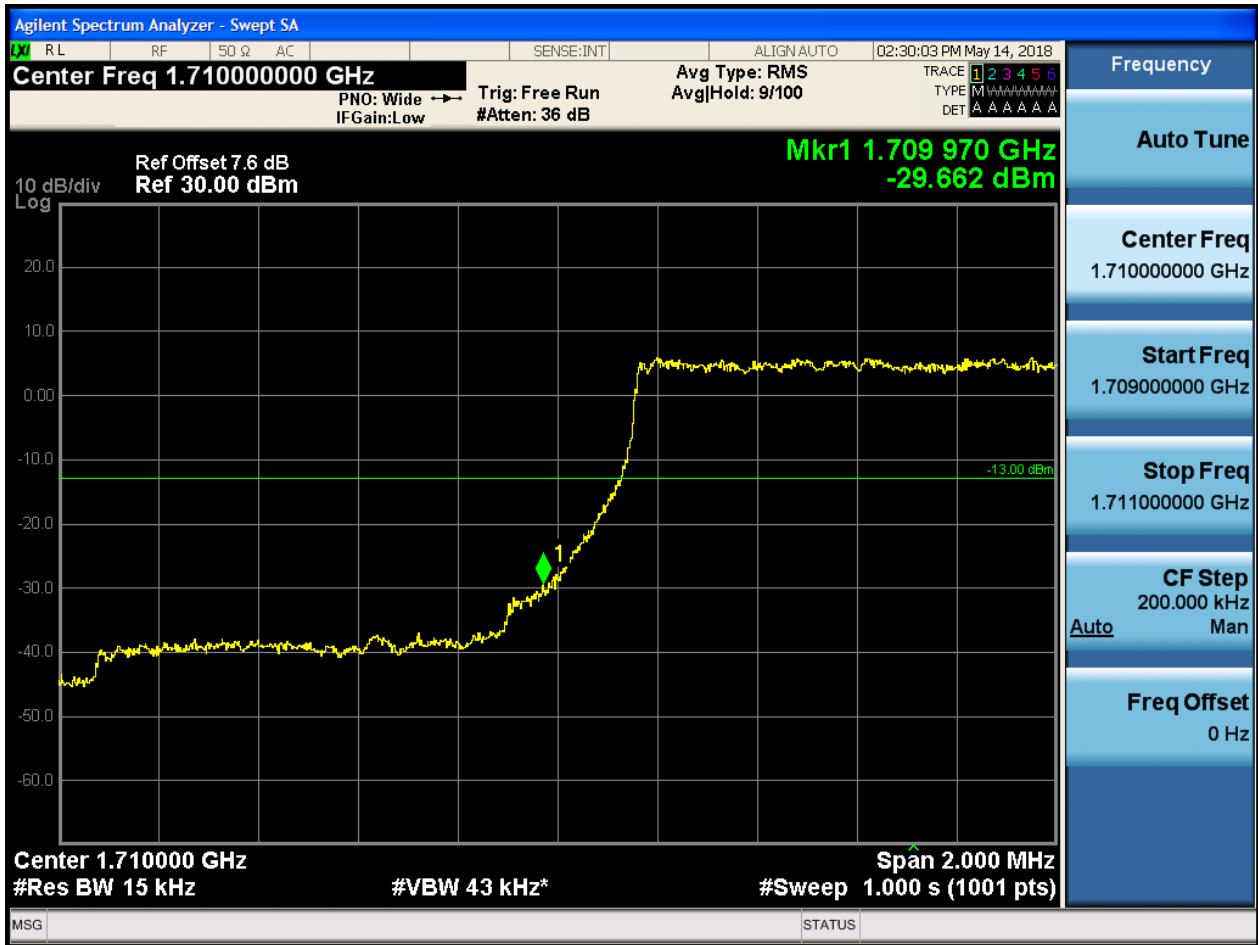




## 5.1.1.1.1.3 Test RB = RB3#2

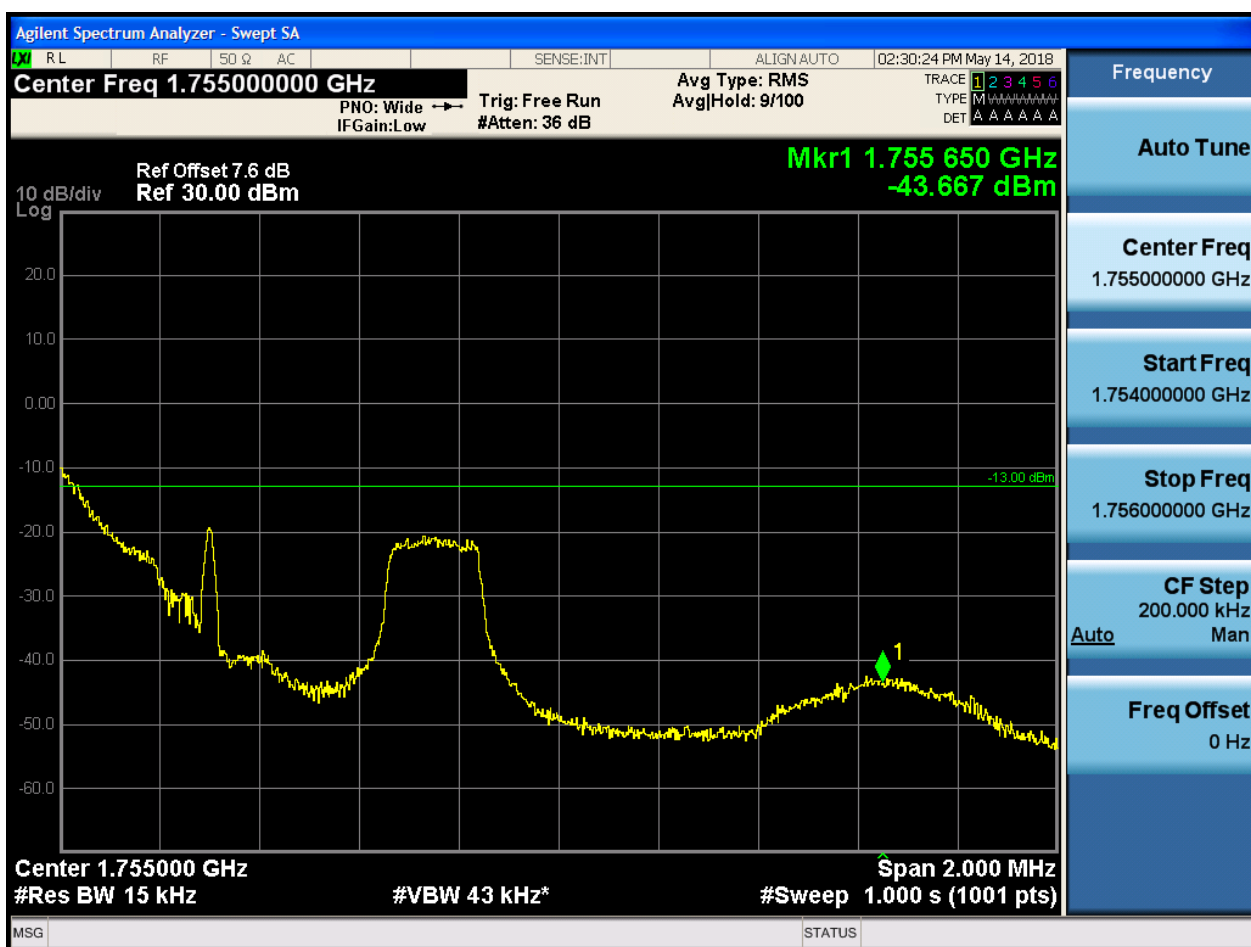


#### 5.1.1.1.1.1.4 Test RB = RB6#0



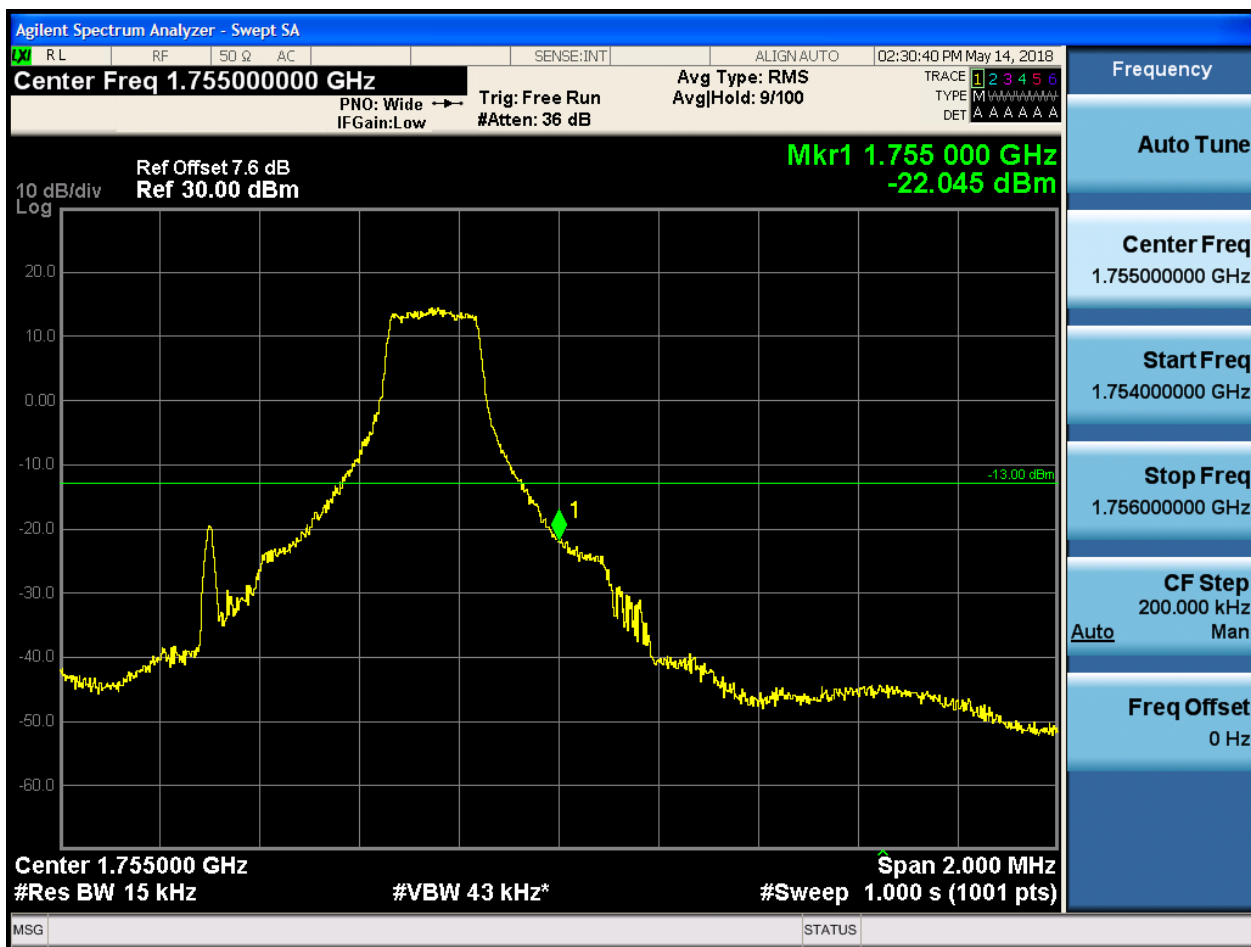
### 5.1.1.1.1.2 Test Channel = HCH

#### 5.1.1.1.1.2.1 Test RB = RB1#0





## 5.1.1.1.1.2.2 Test RB = RB1#5





## 5.1.1.1.1.2.3 Test RB = RB3#2



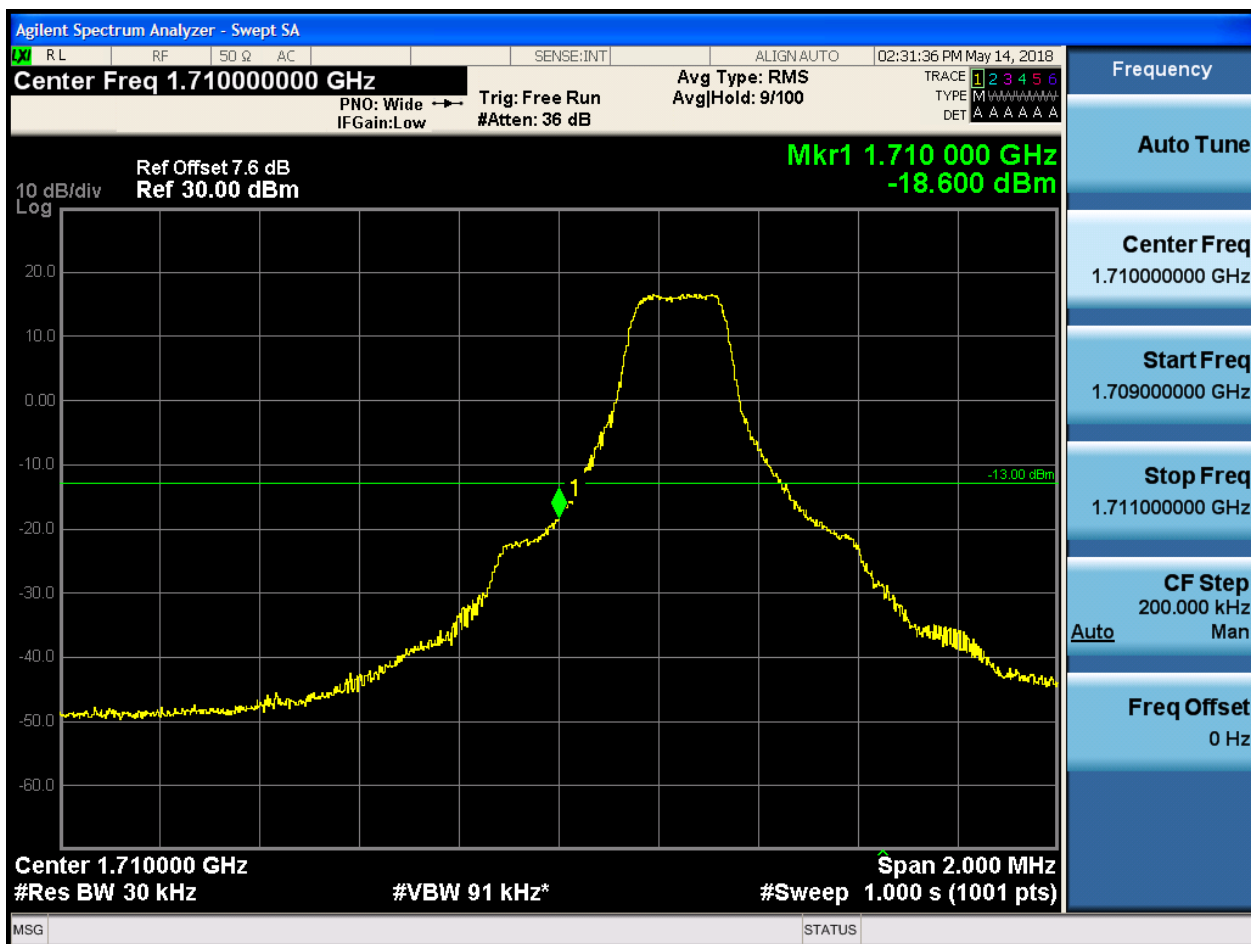
#### 5.1.1.1.1.2.4 Test RB = RB6#0



### 5.1.1.1.2 Test Bandwidth = 3

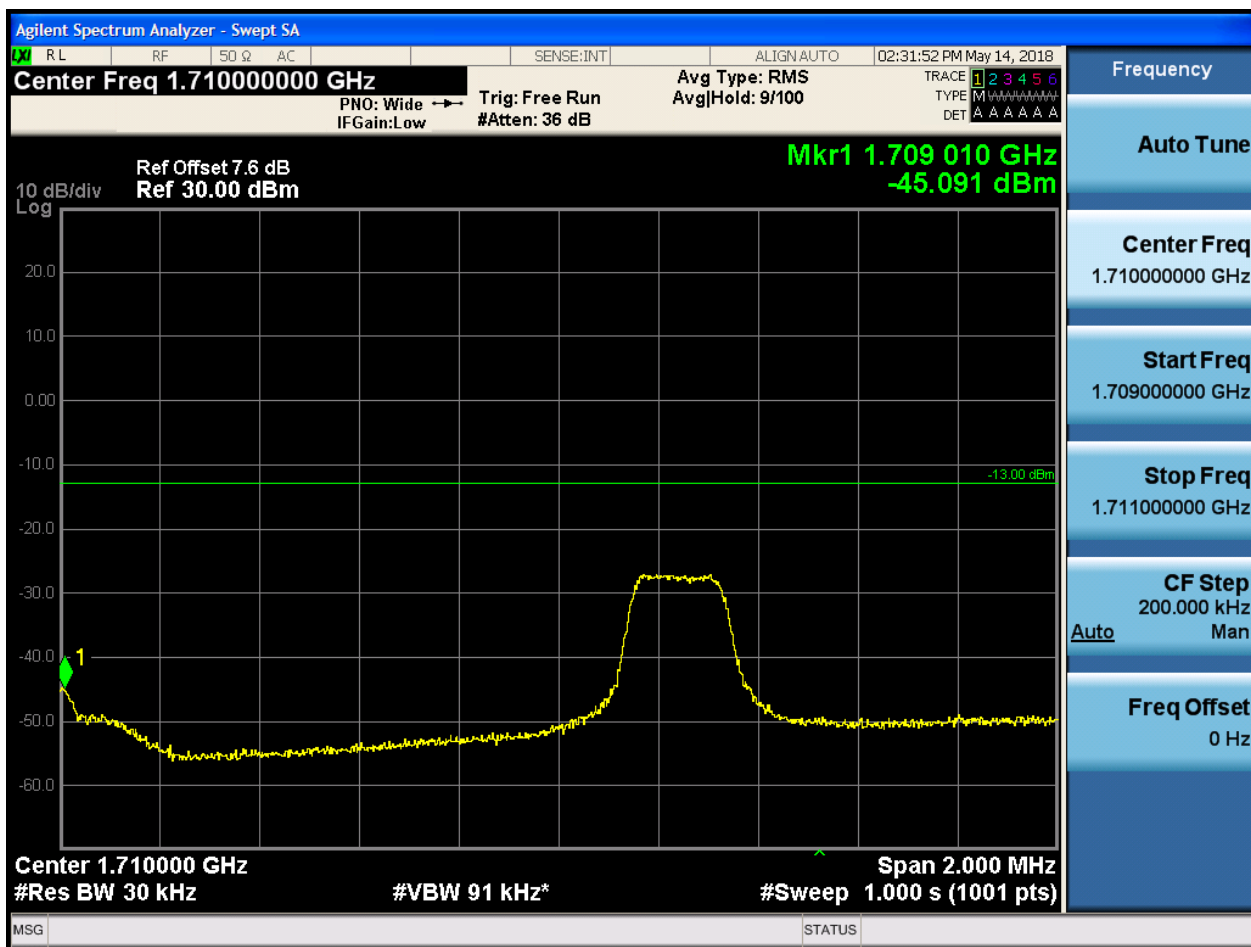
#### 5.1.1.1.2.1 Test Channel = LCH

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

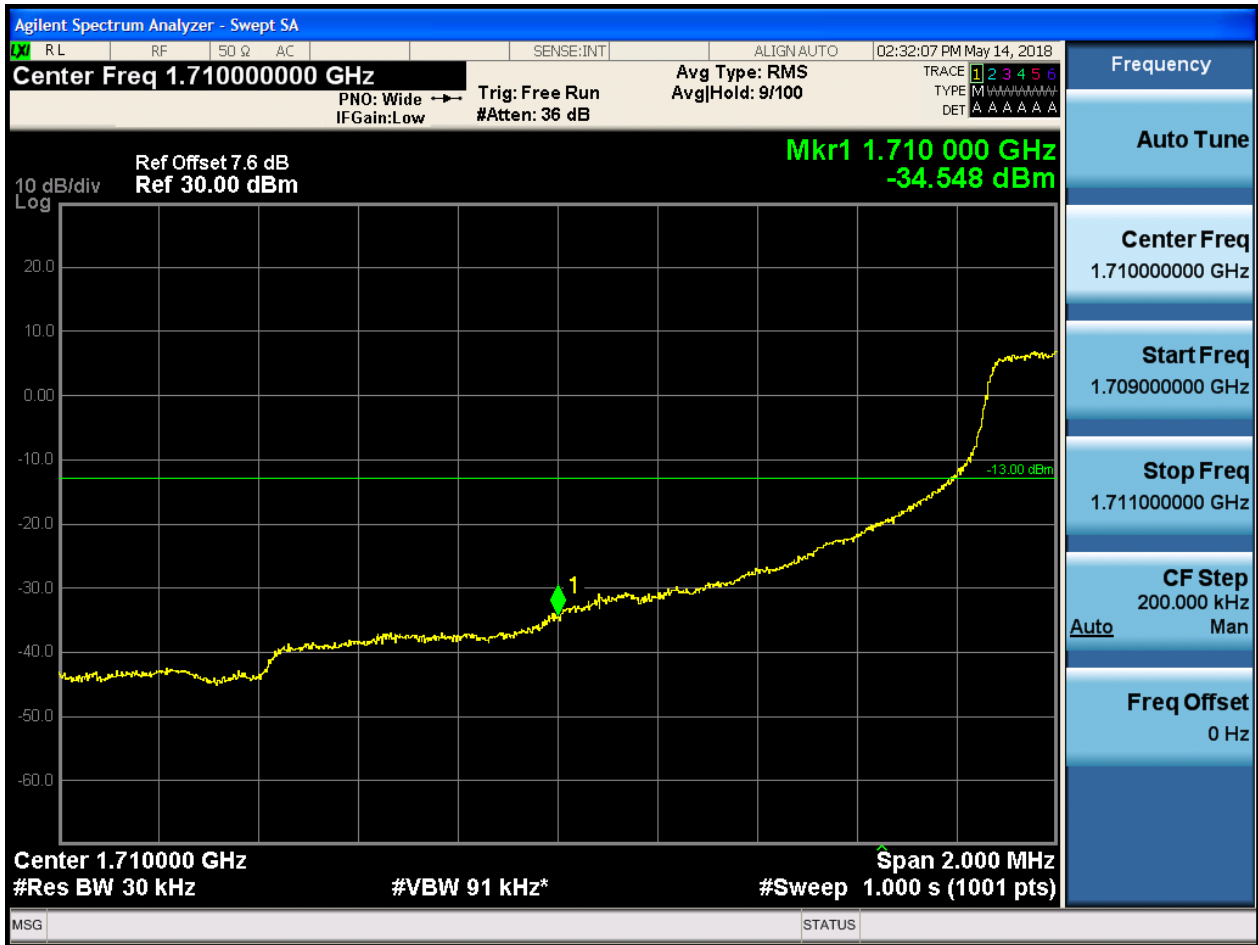


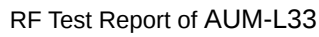


## 5.1.1.1.2.1.2 Test RB = RB1#14



#### 5.1.1.1.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:32:23 PM May 14, 2018

Center Freq 1.710000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100  
#Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.710 000 GHz  
-27.439 dBm

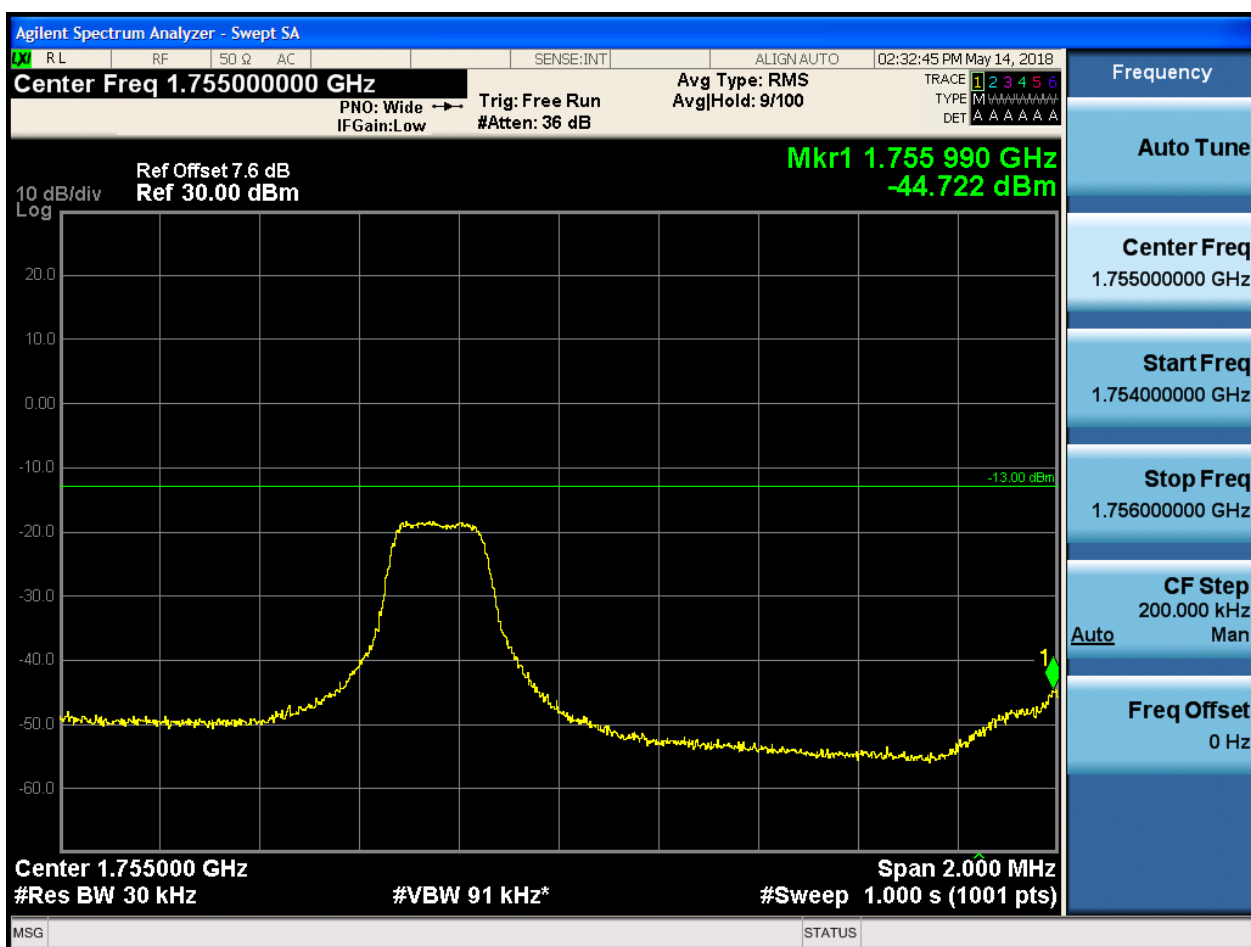
10 dB/div  
Log

Center 1.710000 GHz  
#Res BW 30 kHz  
#VBW 91 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

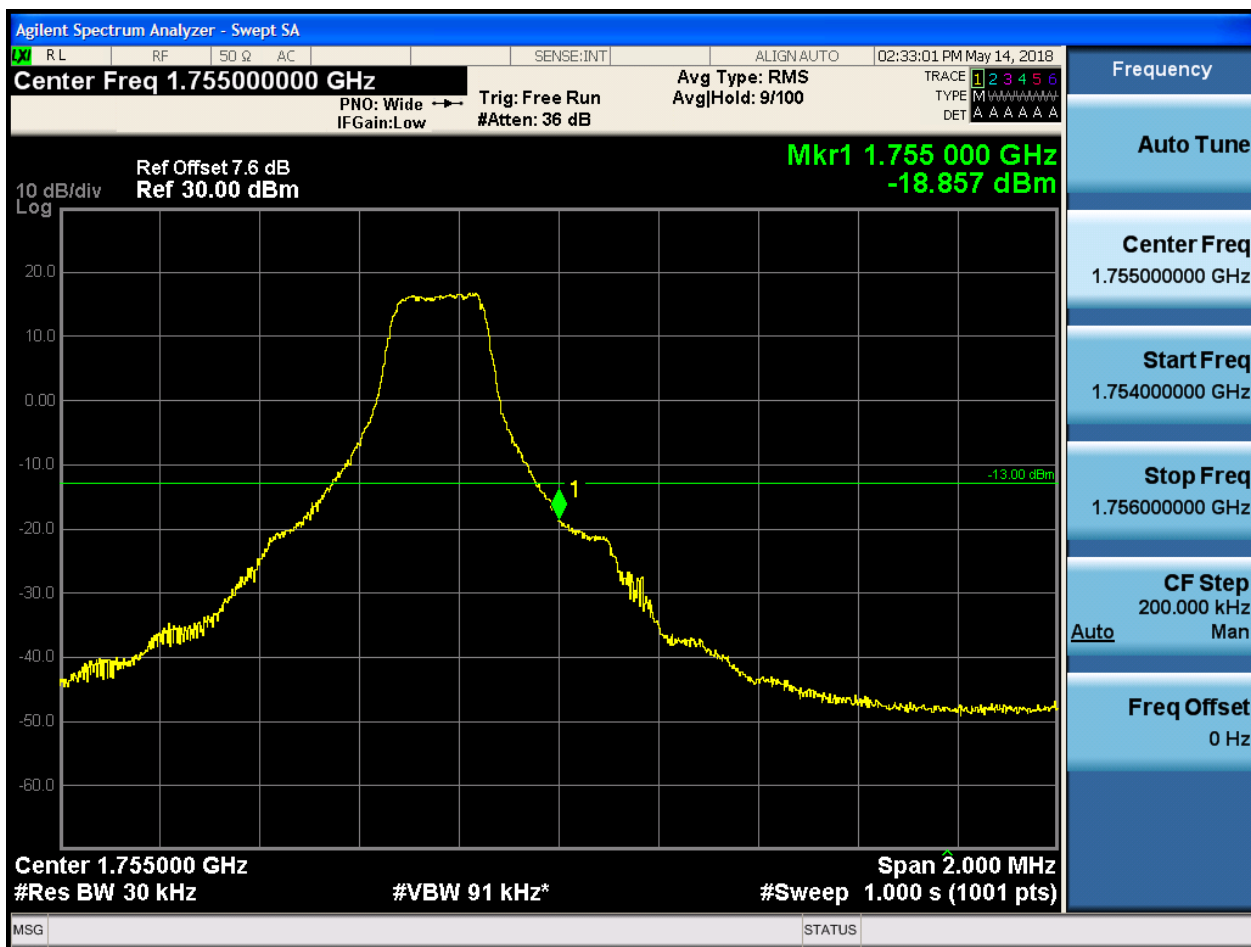
### 5.1.1.1.2.2 Test Channel = HCH

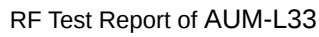
#### 5.1.1.1.2.2.1 Test RB = RB1#0





## 5.1.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:33:17 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100  
#Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.755 010 GHz  
-31.335 dBm

10 dB/div  
Log

-13.00 dBm

Center 1.755000 GHz  
#Res BW 30 kHz  
#VBW 91 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

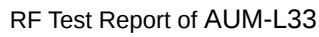
Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Auto Man

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:33:33 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS  
PNO: Wide → Trig: Free Run AvgHold: 9/100  
IFGain:Low #Atten: 36 dB

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

10 dB/div Ref Offset 7.6 dB Mkr1 1.755 000 GHz  
Log Ref 30.00 dBm -26.849 dBm

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

-13.00 dBm

1

Center 1.755000 GHz Span 2.000 MHz  
#Res BW 30 kHz #VBW 91 kHz\* #Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

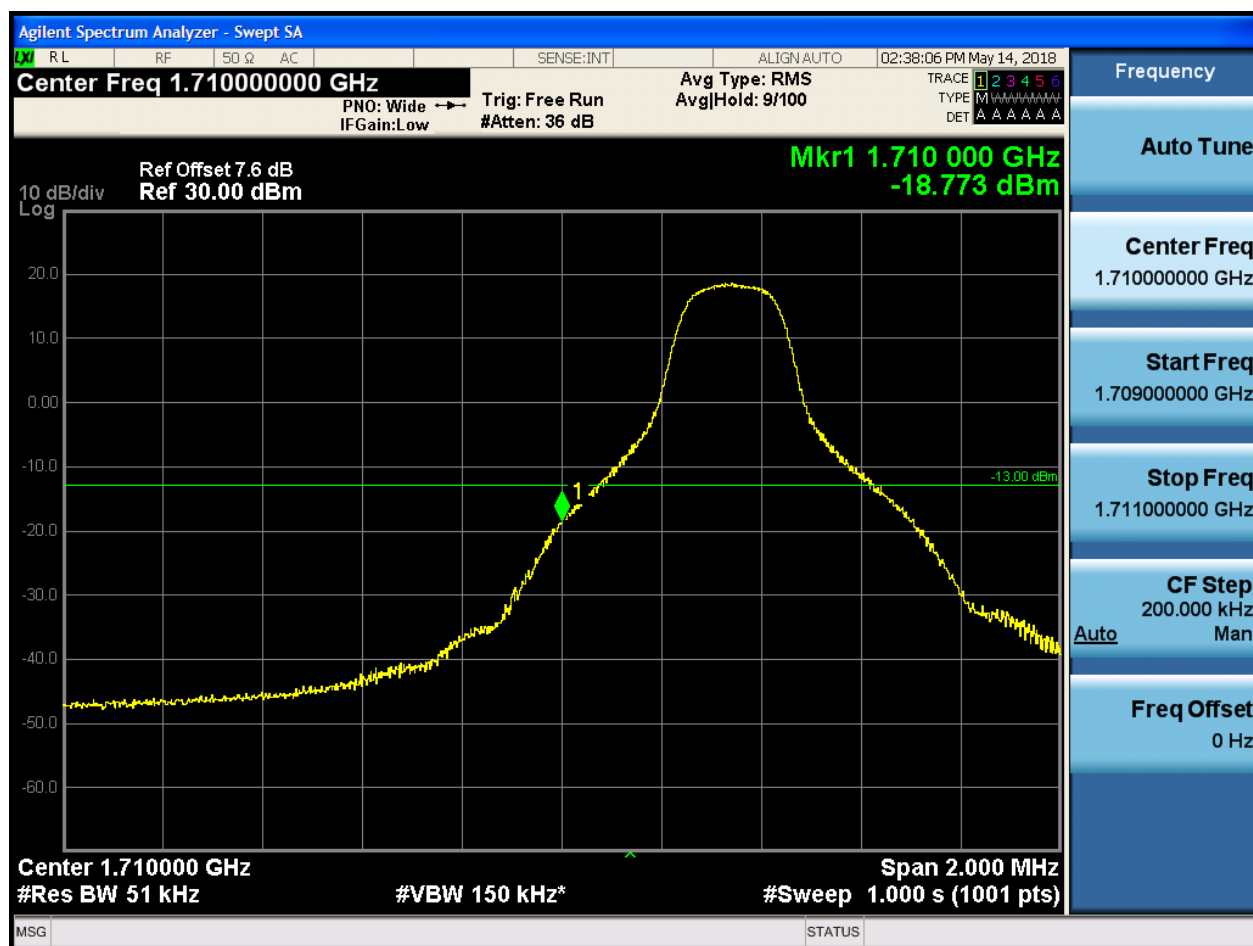
CF Step  
200.000 kHz  
Auto Man

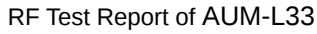
Freq Offset  
0 Hz

#### 5.1.1.1.3 Test Bandwidth = 5

#### 5.1.1.1.3.1 Test Channel = LCH

#### 5.1.1.1.3.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:38:22 PM May 14, 2018

Center Freq 1.710000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100  
#Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.710 000 GHz  
-55.672 dBm

10 dB/div  
Log

-13.00 dBm

Center 1.710000 GHz  
#Res BW 51 kHz  
#VBW 150 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

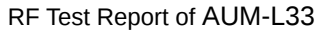
Center Freq  
1.710000000 GHz

Start Freq  
1.709000000 GHz

Stop Freq  
1.711000000 GHz

CF Step  
200.000 kHz  
Auto Man

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:38:38 PM May 14, 2018

Center Freq 1.710000000 GHz Avg Type: RMS  
PNO: Wide → Trig: Free Run AvgHold: 9/100  
IFGain: Low #Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.710 000 GHz  
-34.596 dBm

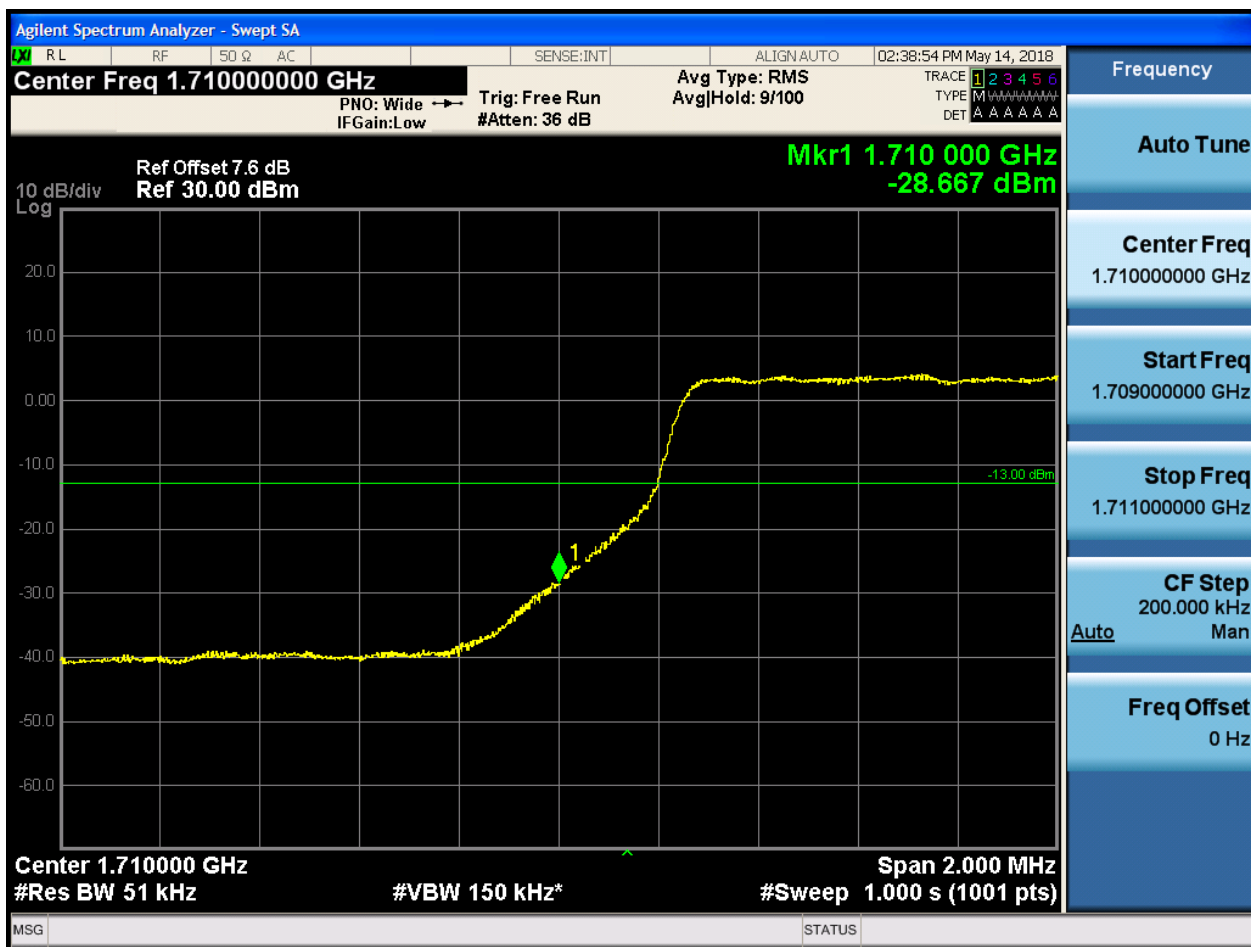
10 dB/div  
Log

Center 1.710000 GHz  
#Res BW 51 kHz #VBW 150 kHz\* Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS



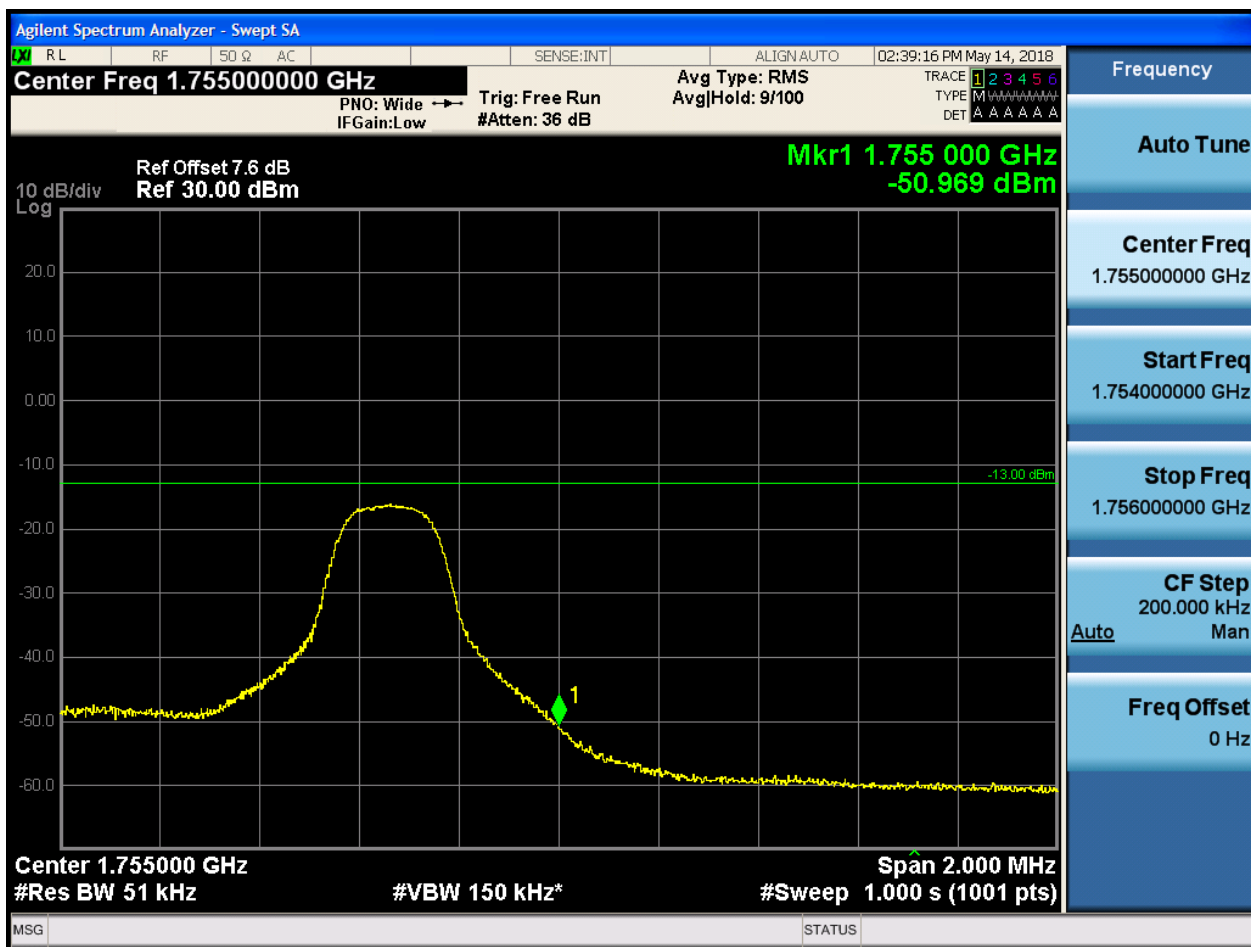
## 5.1.1.1.3.1.4 Test RB = RB25#0





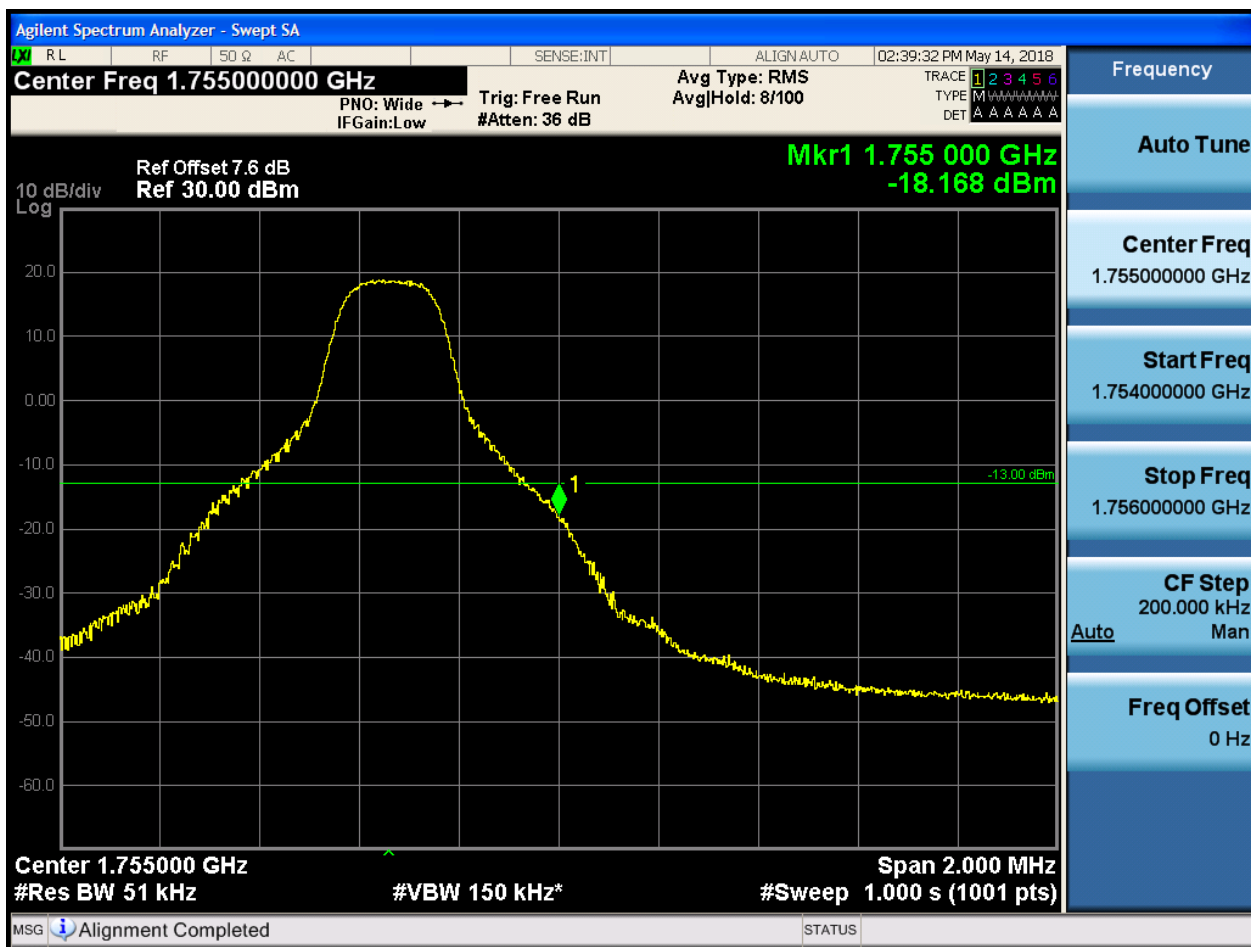
## 5.1.1.1.3.2 Test Channel = HCH

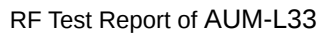
## 5.1.1.1.3.2.1 Test RB = RB1#0





## 5.1.1.1.3.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:39:48 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100  
#Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.755 010 GHz  
-32.754 dBm

10 dB/div  
Log

Center 1.755000 GHz  
#Res BW 51 kHz  
#VBW 150 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

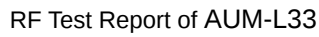
Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Auto Man

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:40:04 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100  
#Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.755 000 GHz  
-27.387 dBm

10 dB/div  
Log

-13.00 dBm

1

Center 1.755000 GHz  
#Res BW 51 kHz

#VBW 150 kHz\*

Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

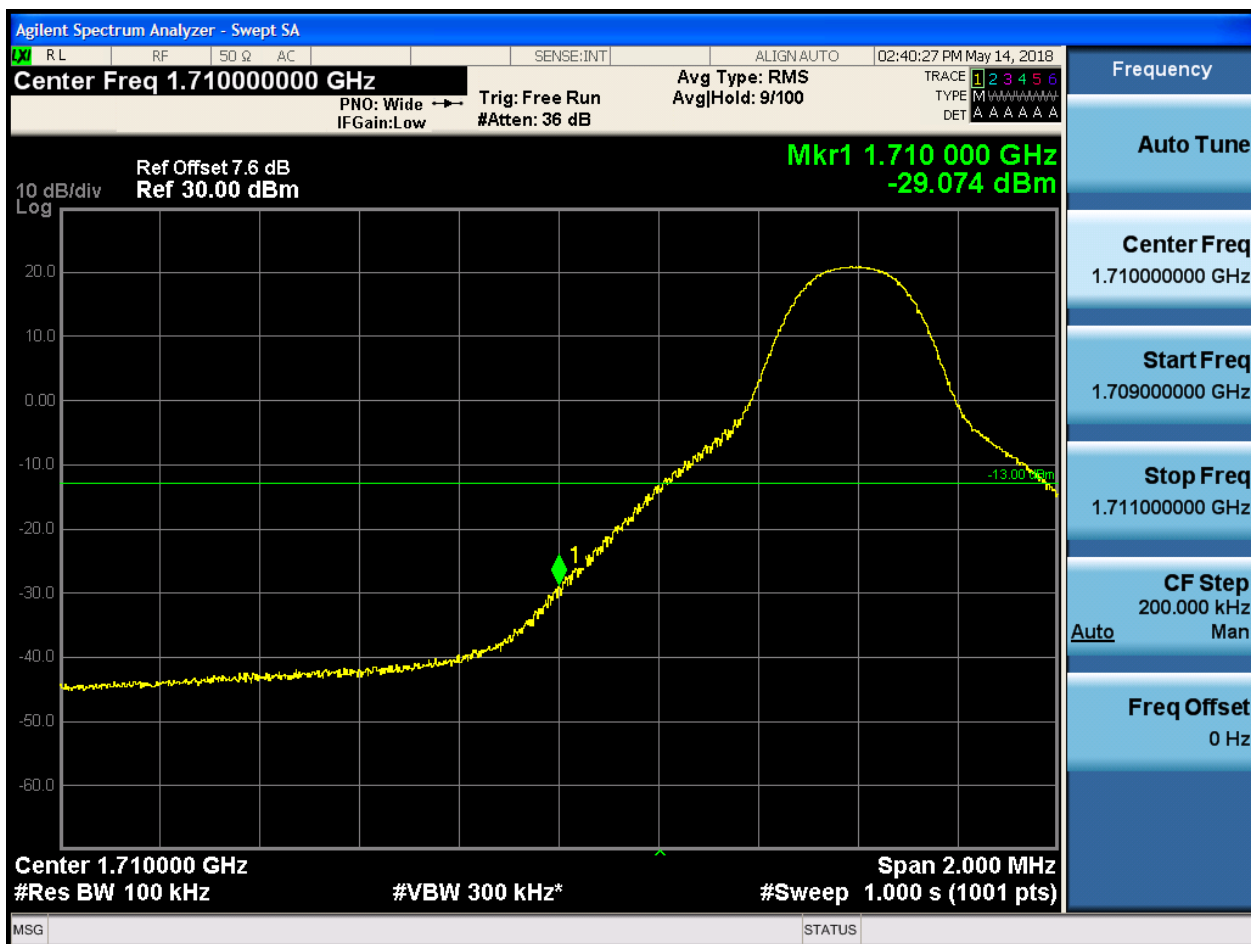
CF Step  
200.000 kHz  
Auto Man

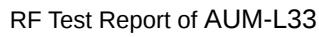
Freq Offset  
0 Hz

#### 5.1.1.1.4 Test Bandwidth = 10

##### 5.1.1.1.4.1 Test Channel = LCH

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





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:40:43 PM May 14, 2018

Center Freq 1.710000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100  
#Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.710 000 GHz  
-51.338 dBm

10 dB/div  
Log

-13.00 dBm

Center 1.710000 GHz  
#Res BW 100 kHz  
#VBW 300 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

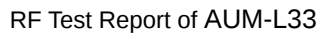
Center Freq  
1.710000000 GHz

Start Freq  
1.709000000 GHz

Stop Freq  
1.711000000 GHz

CF Step  
200.000 kHz  
Auto Man

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.710000000 GHz

Ref Offset 7.6 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.709 900 GHz  
-34.643 dBm

Center 1.710000 GHz  
#Res BW 100 kHz  
#VBW 300 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq  
1.710000000 GHz

Start Freq  
1.709000000 GHz

Stop Freq  
1.711000000 GHz

CF Step  
200.000 kHz  
Auto  
Man

Freq Offset  
0 Hz

Agilent Spectrum Analyzer - Swept SA

Center Freq 1.710000000 GHz

Ref Offset 7.6 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.709 900 GHz  
-34.643 dBm

Center 1.710000 GHz  
#Res BW 100 kHz  
#VBW 300 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq  
1.710000000 GHz

Start Freq  
1.709000000 GHz

Stop Freq  
1.711000000 GHz

CF Step  
200.000 kHz  
Auto  
Man

Freq Offset  
0 Hz

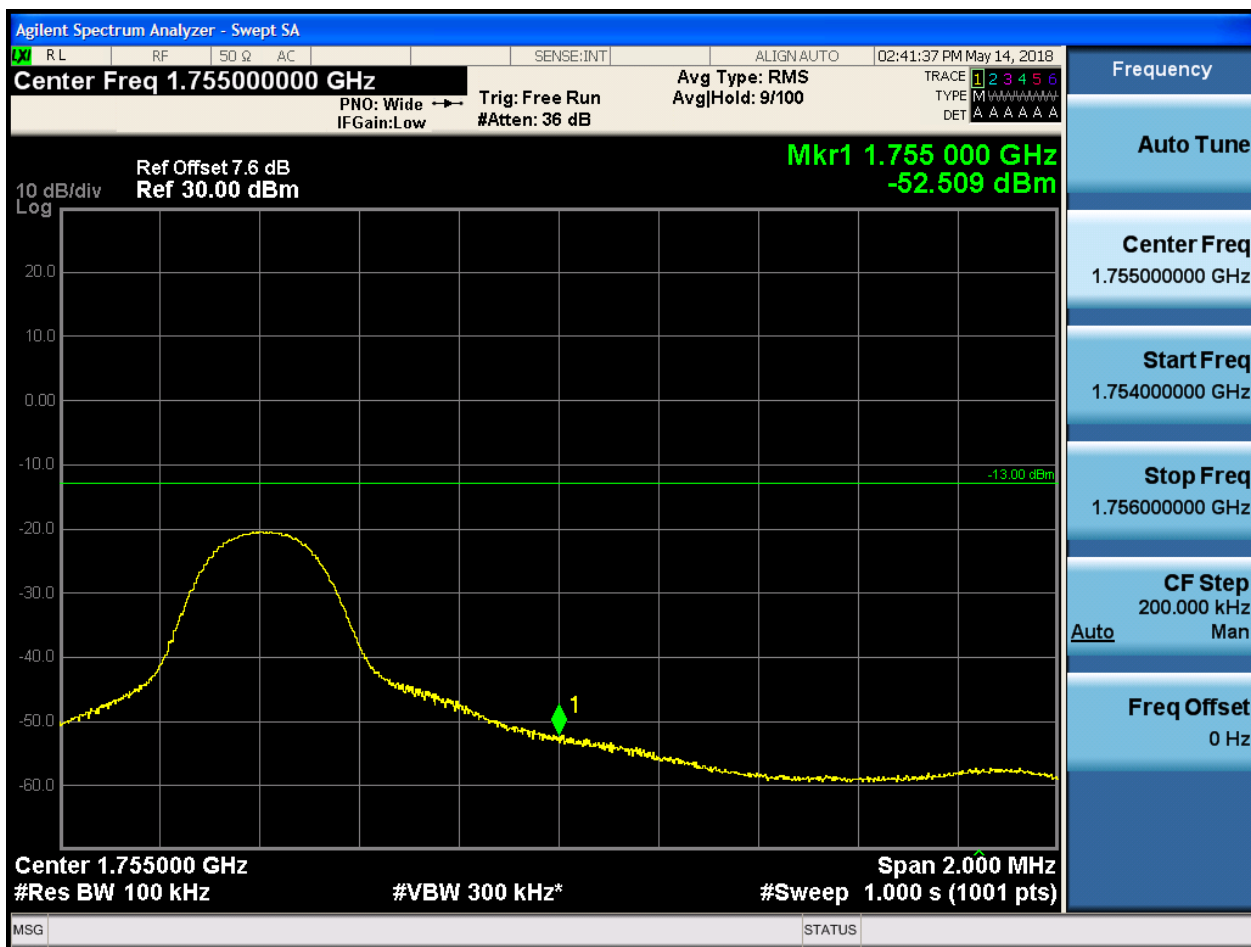


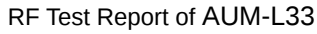
## 5.1.1.1.4.1.4 Test RB = RB50#0



### 5.1.1.1.4.2 Test Channel = HCH

#### 5.1.1.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:41:53 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100  
#Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

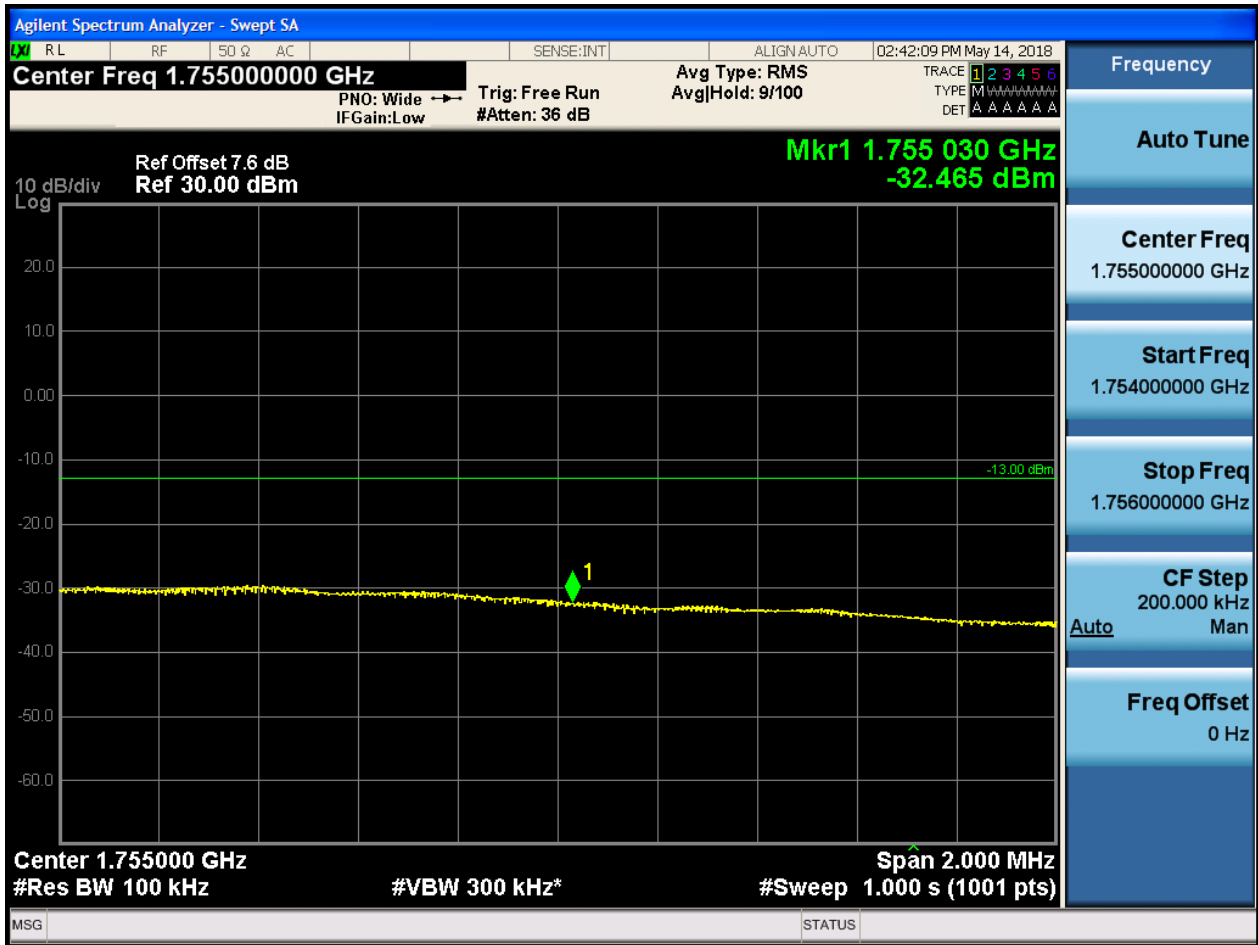
Mkr1 1.755 000 GHz  
-30.486 dBm

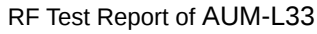
10 dB/div  
Log

Center 1.755000 GHz  
#Res BW 100 kHz  
#VBW 300 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

#### 5.1.1.1.4.2.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:42:25 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS  
PNO: Wide → Trig: Free Run  
IFGain:Low #Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.755 000 GHz  
-30.301 dBm

10 dB/div  
Log

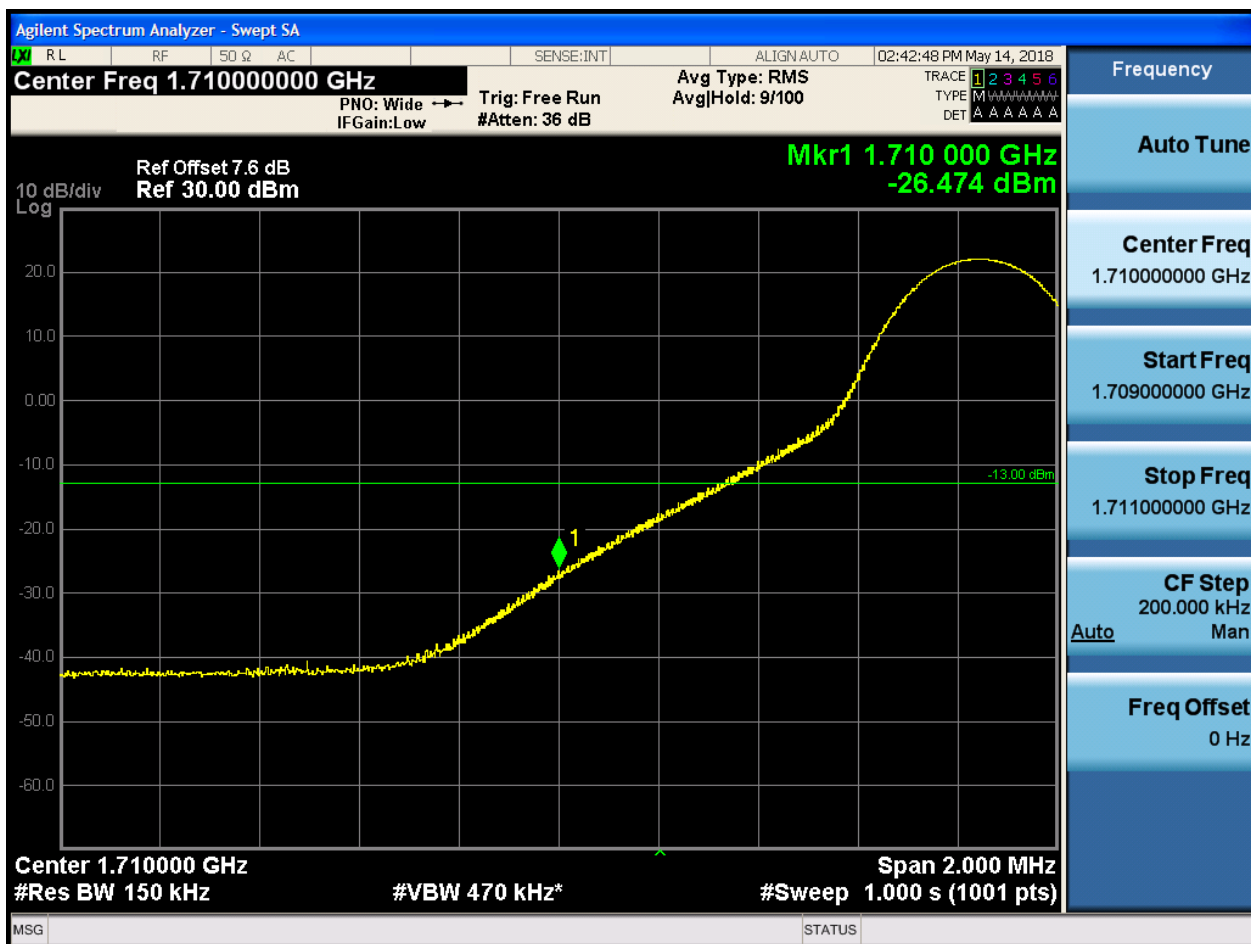
Center 1.755000 GHz  
#Res BW 100 kHz  
#VBW 300 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

### 5.1.1.1.5 Test Bandwidth = 15

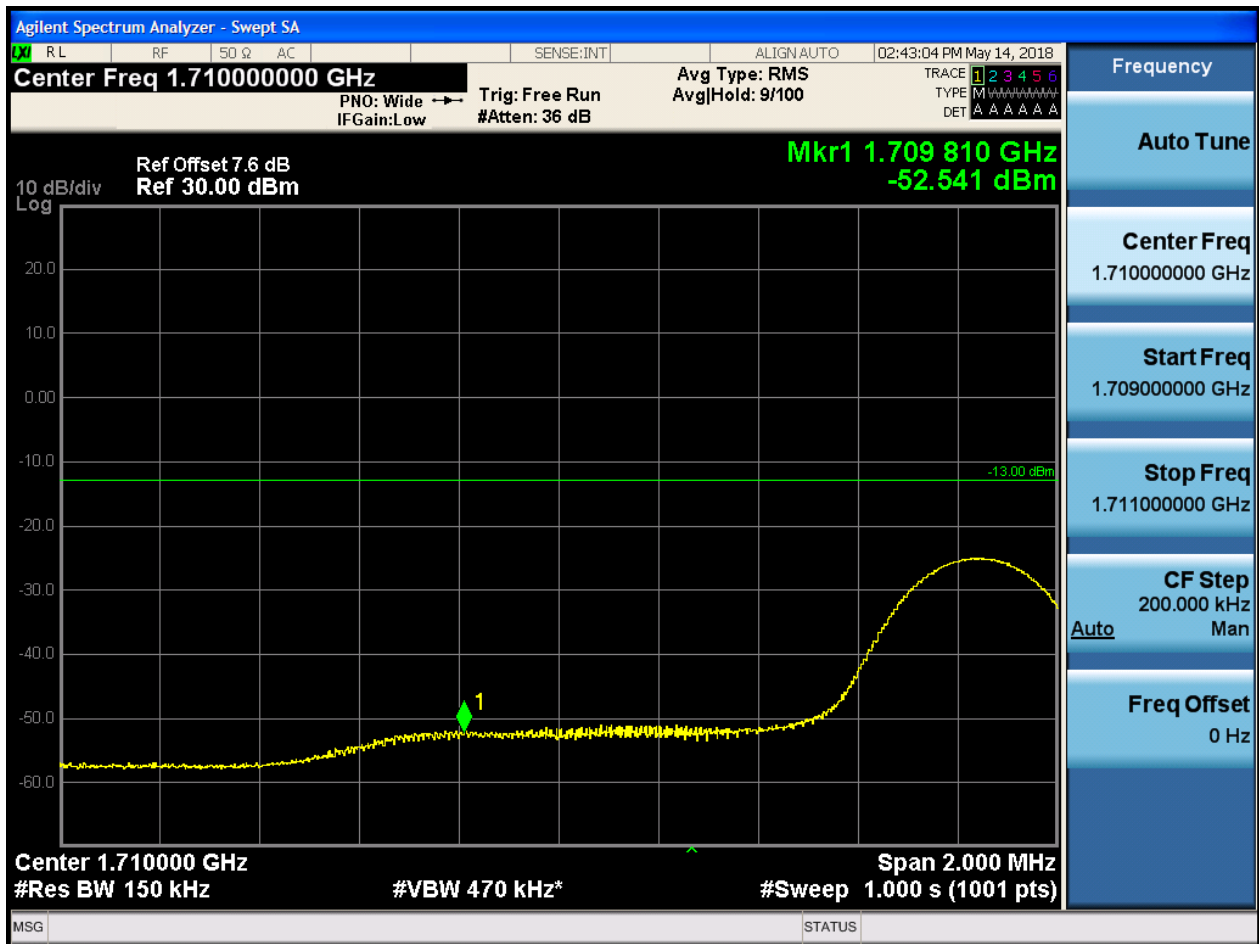
#### 5.1.1.1.5.1 Test Channel = LCH

##### 5.1.1.1.5.1.1 Test RB = RB1#0





## 5.1.1.1.5.1.2 Test RB = RB1#74



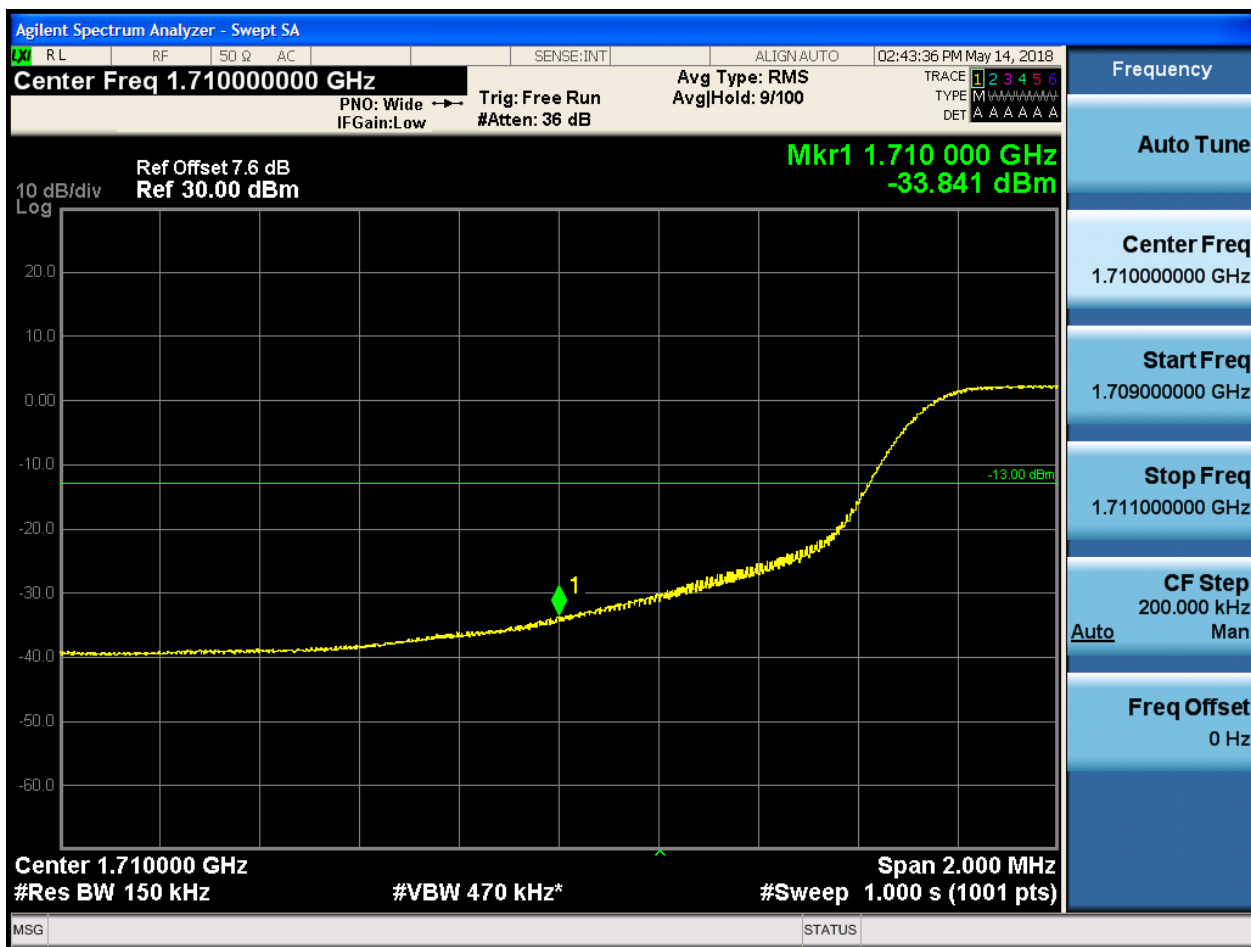


## 5.1.1.1.5.1.3 Test RB = RB38#19



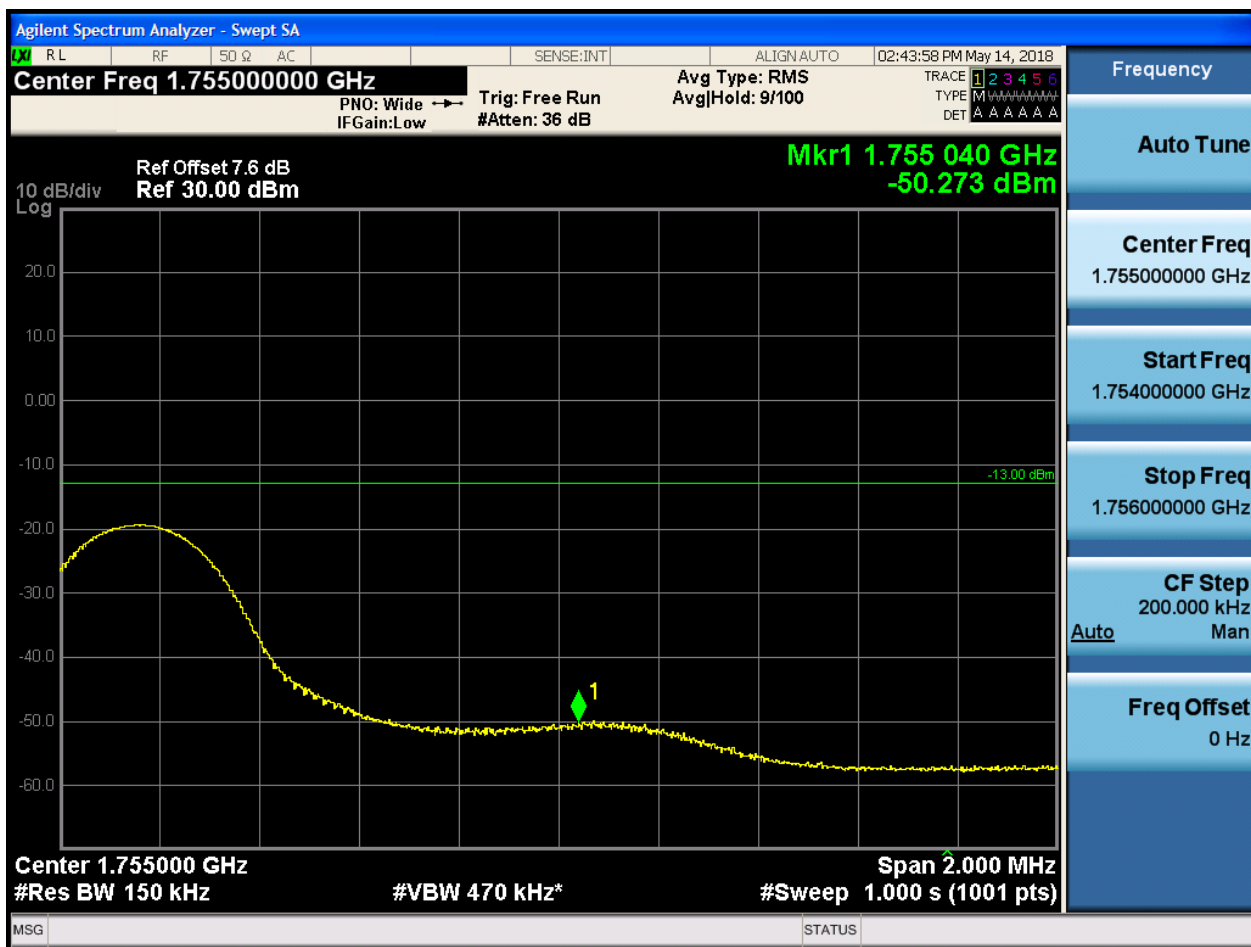


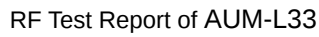
## 5.1.1.1.5.1.4 Test RB = RB75#0



### 5.1.1.1.5.2 Test Channel = HCH

#### 5.1.1.1.5.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.6 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.755 000 GHz  
-27.034 dBm

Center 1.755000 GHz  
#Res BW 150 kHz  
#VBW 470 kHz\*

Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

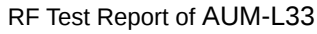
Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Auto Man

Freq Offset  
0 Hz

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:44:30 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100  
#Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.755 000 GHz  
-33.210 dBm

10 dB/div  
Log

-13.00 dBm

1

Center 1.755000 GHz  
#Res BW 150 kHz

#VBW 470 kHz\*

Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

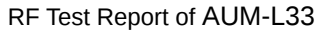
Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Auto Man

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:44:46 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS  
PNO: Wide Trig: Free Run  
IFGain:Low #Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.755 000 GHz  
-30.696 dBm

10 dB/div  
Log

-13.00 dBm

1

Center 1.755000 GHz  
#Res BW 150 kHz

#VBW 470 kHz\*

Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Auto Man

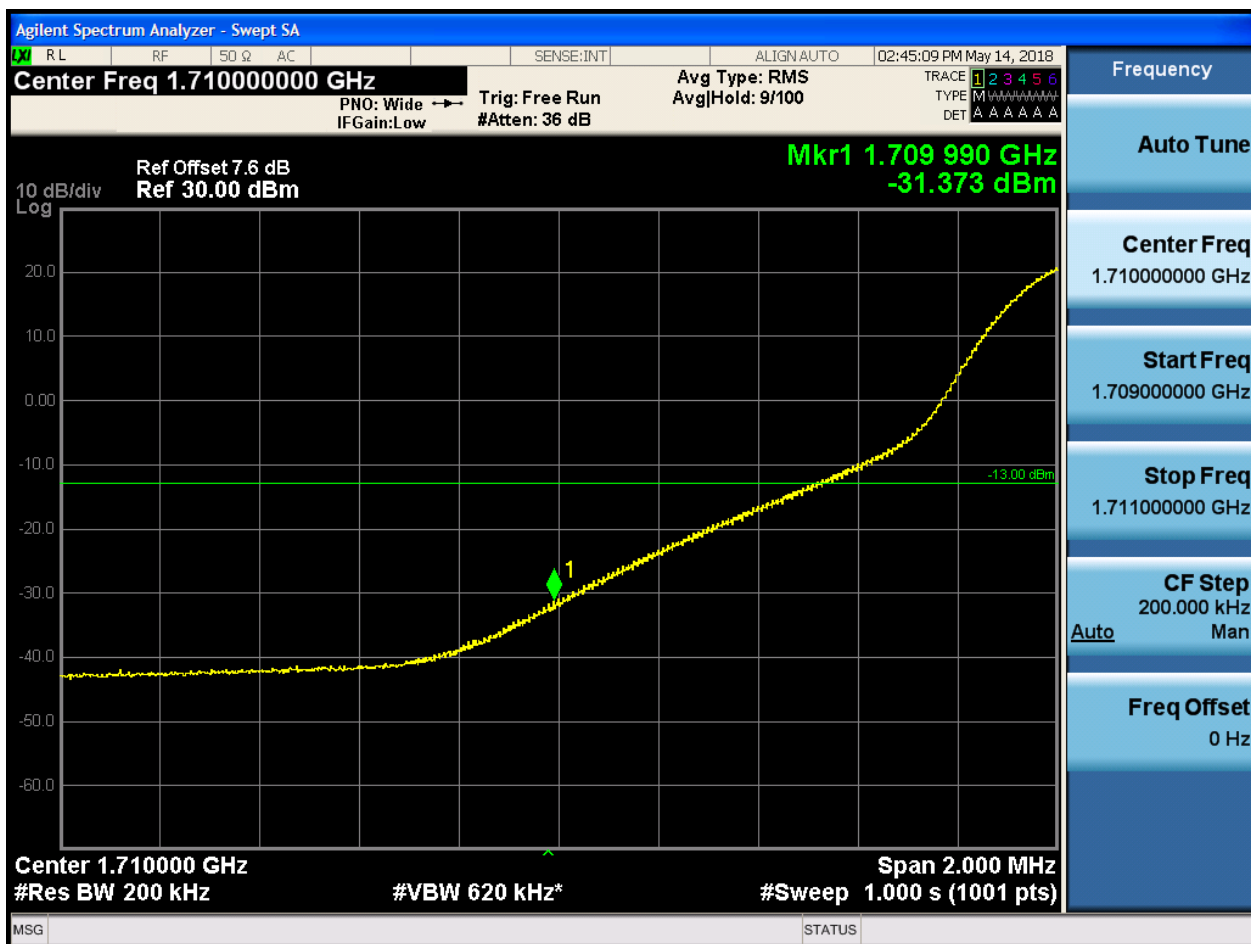
Freq Offset  
0 Hz



## 5.1.1.1.6 Test Bandwidth = 20

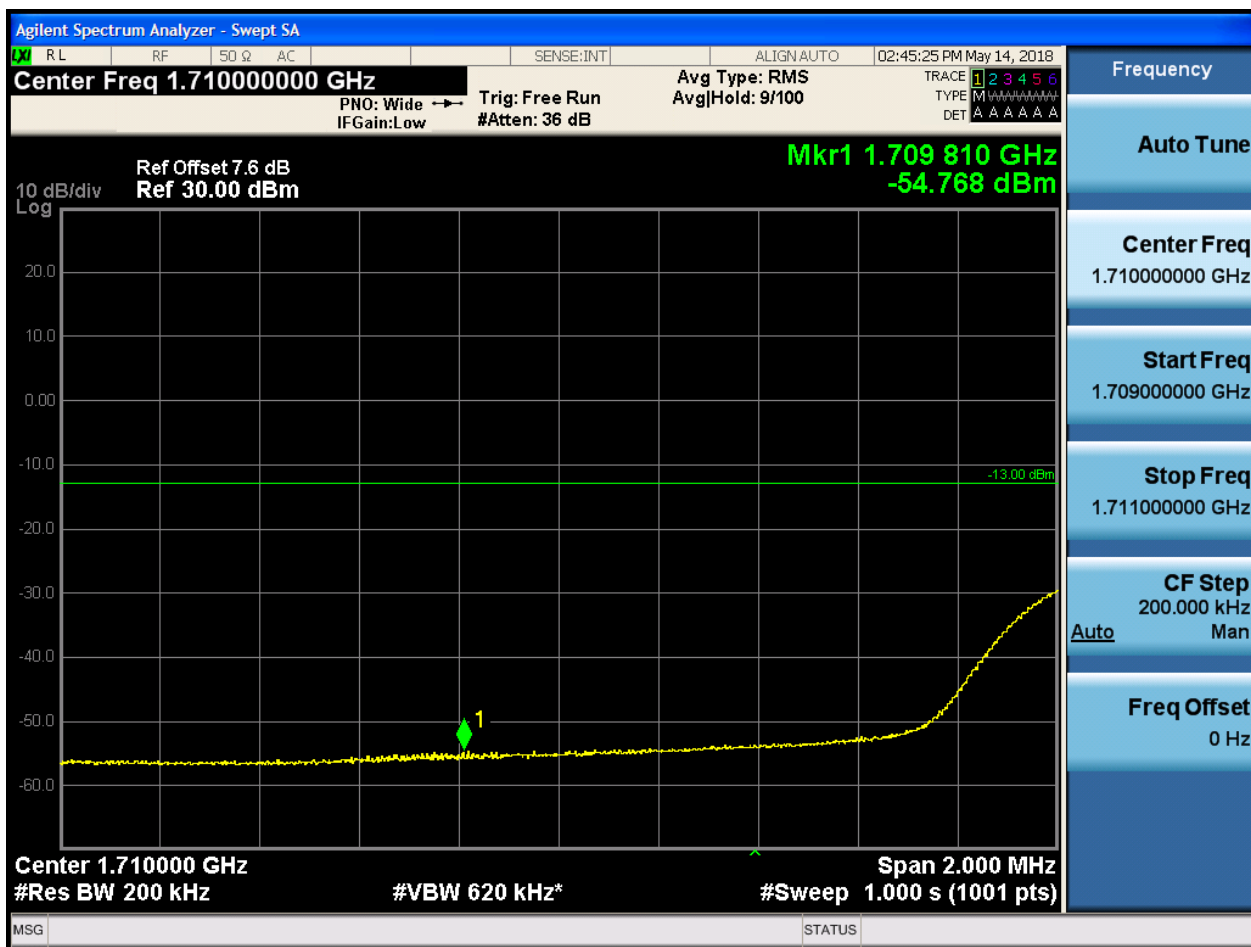
## 5.1.1.1.6.1 Test Channel = LCH

## 5.1.1.1.6.1.1 Test RB = RB1#0





## 5.1.1.1.6.1.2 Test RB = RB1#99





## 5.1.1.1.6.1.3 Test RB = RB50#25





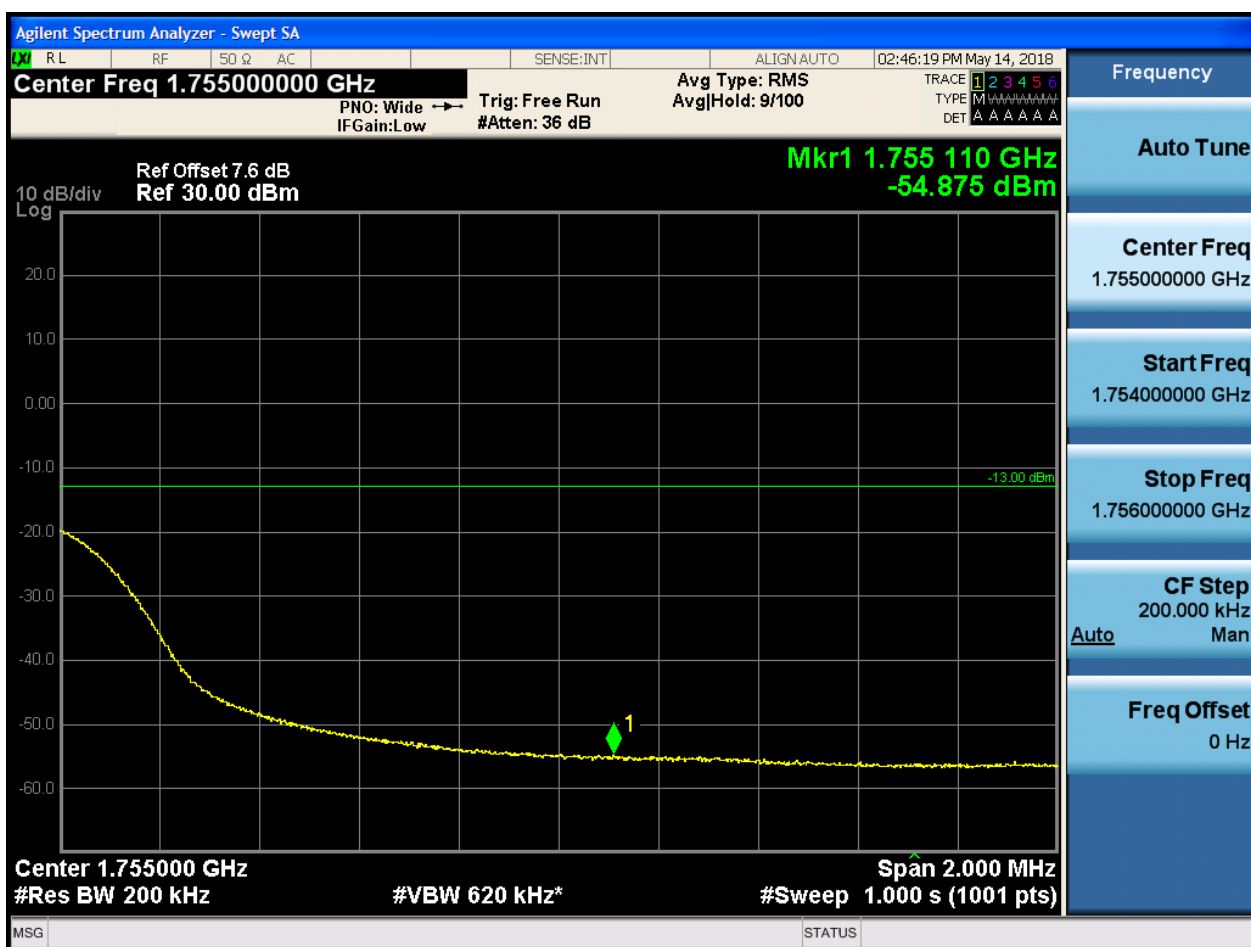
## 5.1.1.1.6.1.4 Test RB = RB100#0





## 5.1.1.1.6.2 Test Channel = HCH

## 5.1.1.1.6.2.1 Test RB = RB1#0



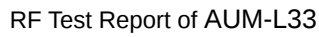
#### 5.1.1.1.6.2.2 Test RB = RB1#99





## 5.1.1.1.6.2.3 Test RB = RB50#25





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:47:07 PM May 14, 2018

Center Freq 1.755000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100  
#Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.755 000 GHz  
-31.269 dBm

10 dB/div  
Log

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

-13.00 dBm

1

Center 1.755000 GHz  
#Res BW 200 kHz

#VBW 620 kHz\*

Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency  
Auto Tune  
Center Freq  
1.755000000 GHz  
Start Freq  
1.754000000 GHz  
Stop Freq  
1.756000000 GHz  
CF Step  
200.000 kHz  
Auto Man  
Freq Offset  
0 Hz

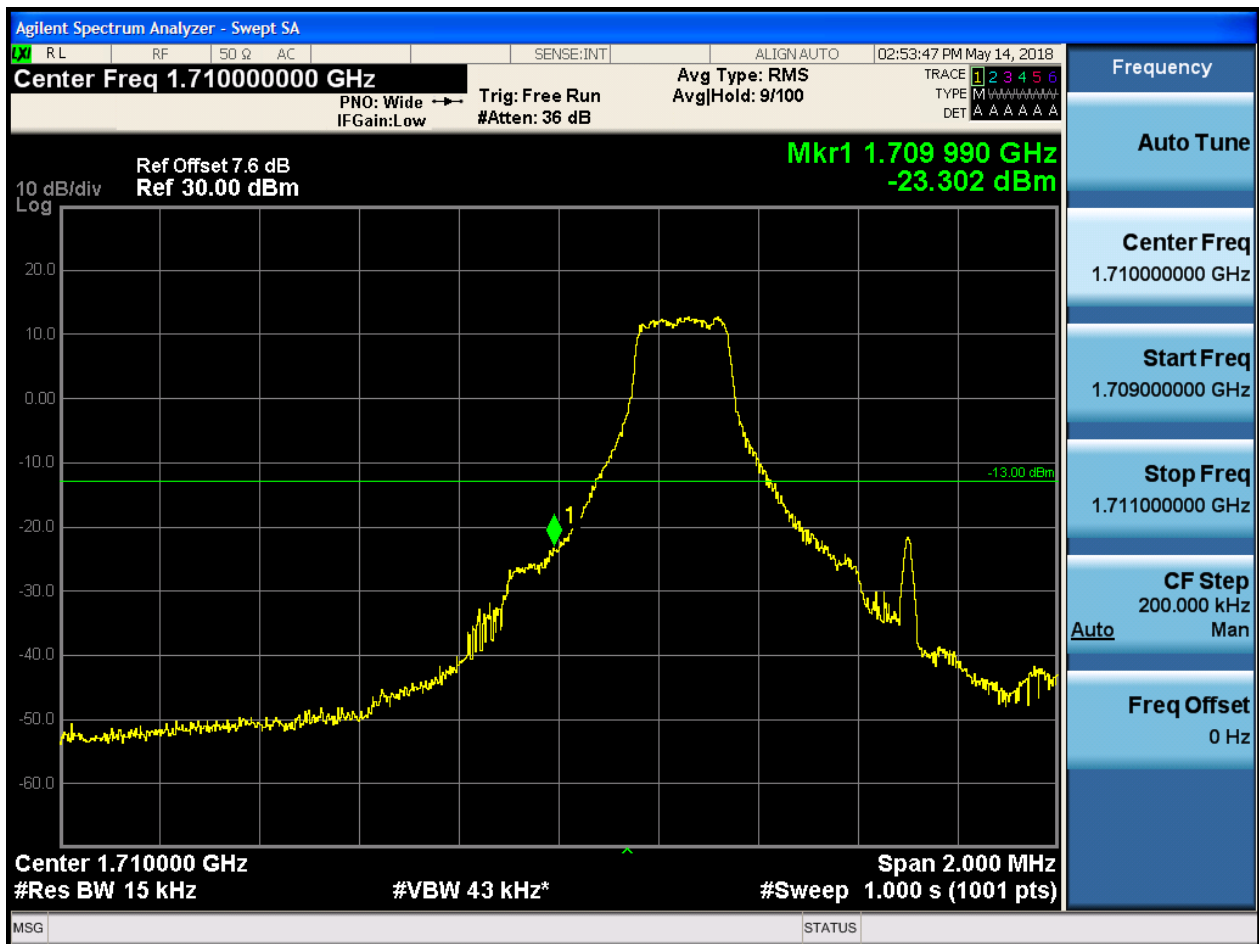


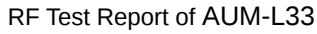
## 5.1.1.2 Test Mode = LTE/TM2

## 5.1.1.2.1 Test Bandwidth = 1.4

## 5.1.1.2.1.1 Test Channel = LCH

## 5.1.1.2.1.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.710000000 GHz

Ref Offset 7.6 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.709 350 GHz  
-44.507 dBm

Center 1.710000 GHz  
#Res BW 15 kHz  
#VBW 43 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

Auto Tune

Center Freq  
1.710000000 GHz

Start Freq  
1.709000000 GHz

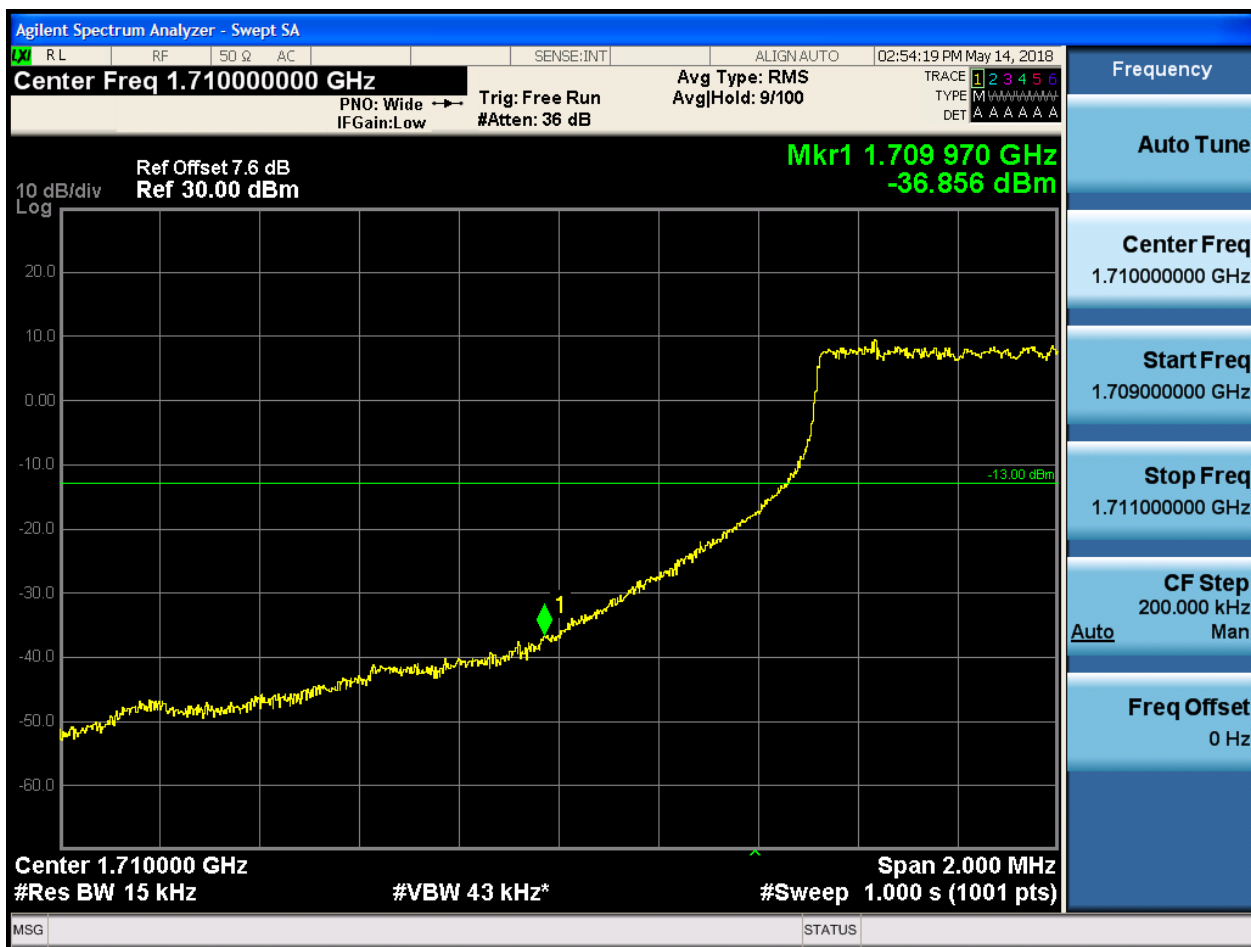
Stop Freq  
1.711000000 GHz

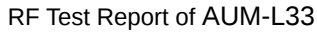
CF Step  
200.000 kHz  
Auto Man

Freq Offset  
0 Hz



## 5.1.1.2.1.1.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:54:35 PM May 14, 2018

Center Freq 1.710000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100  
#Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.710 000 GHz  
-28.324 dBm

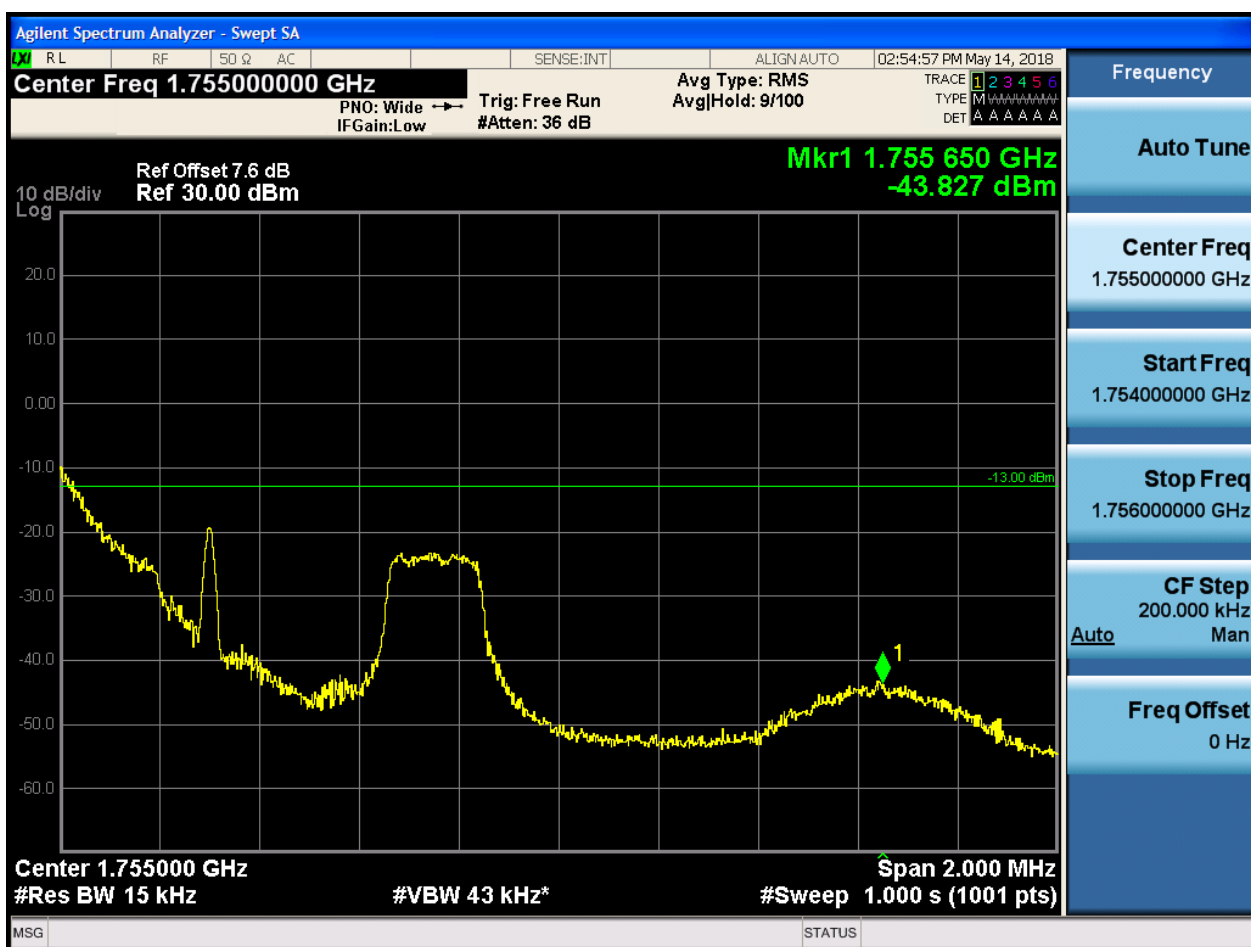
10 dB/div  
Log

Center 1.710000 GHz  
#Res BW 15 kHz  
#VBW 43 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

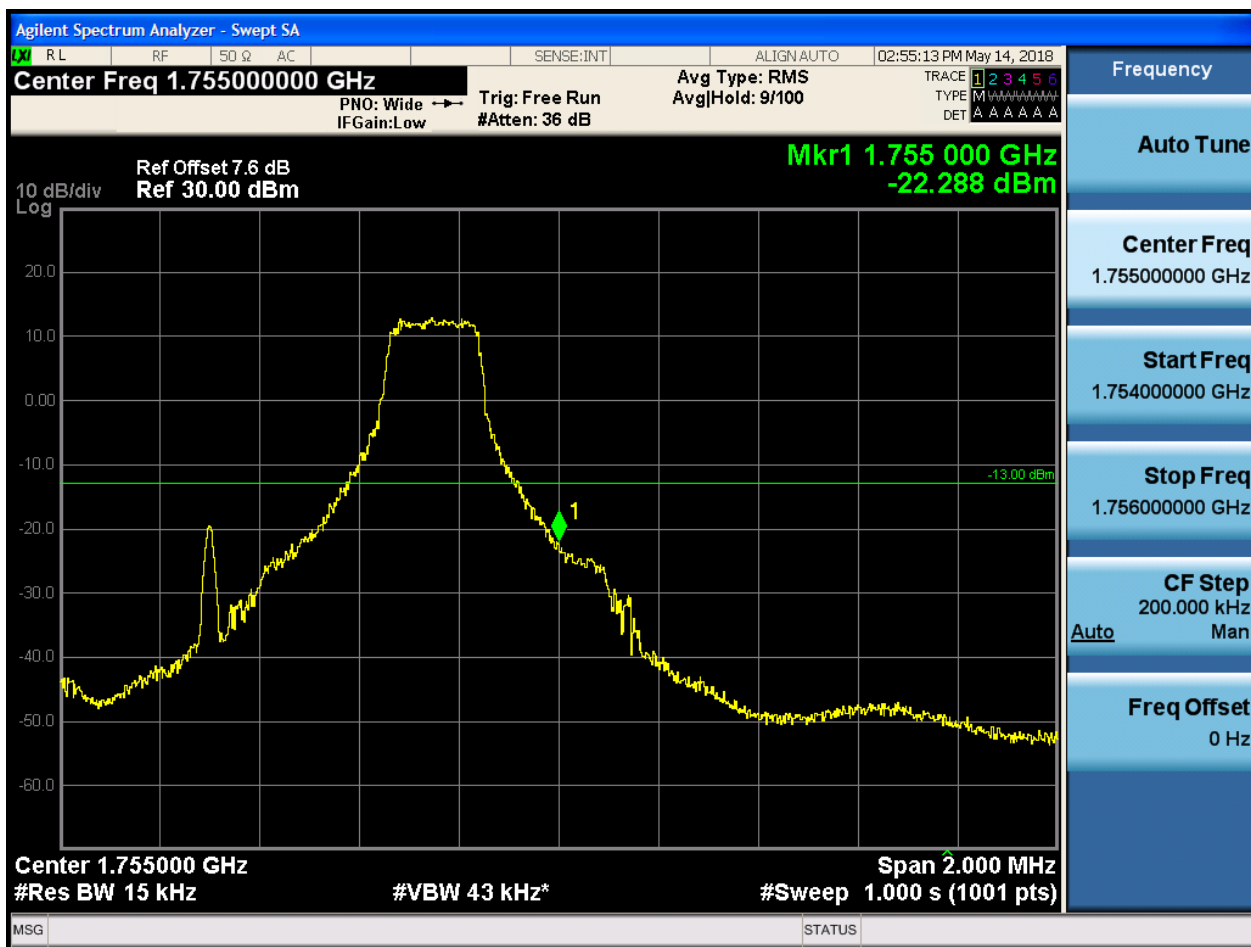
### 5.1.1.2.1.2 Test Channel = HCH

#### 5.1.1.2.1.2.1 Test RB = RB1#0





## 5.1.1.2.1.2.2 Test RB = RB1#5





## 5.1.1.2.1.2.3 Test RB = RB3#2





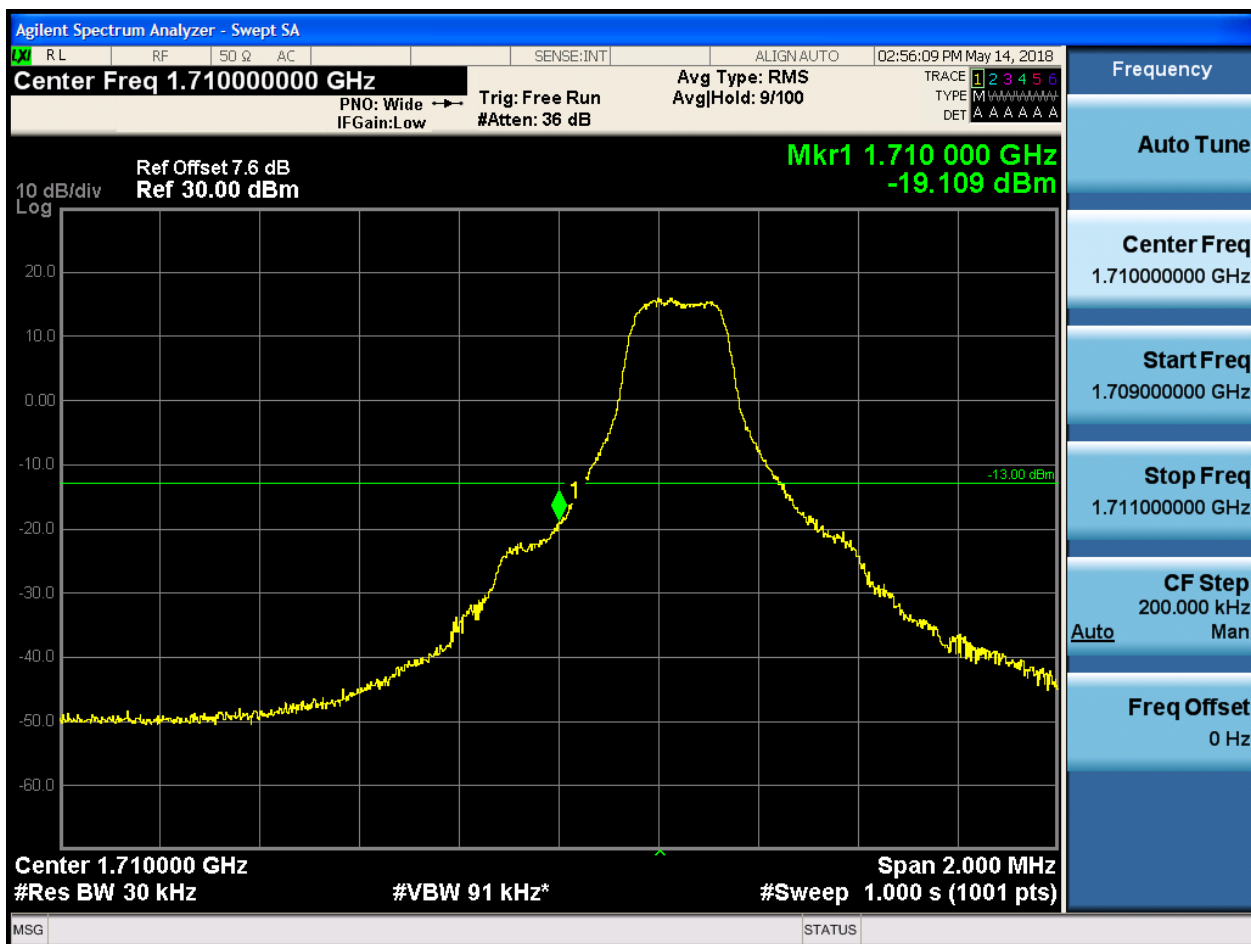
## 5.1.1.2.1.2.4 Test RB = RB6#0



### 5.1.1.2.2 Test Bandwidth = 3

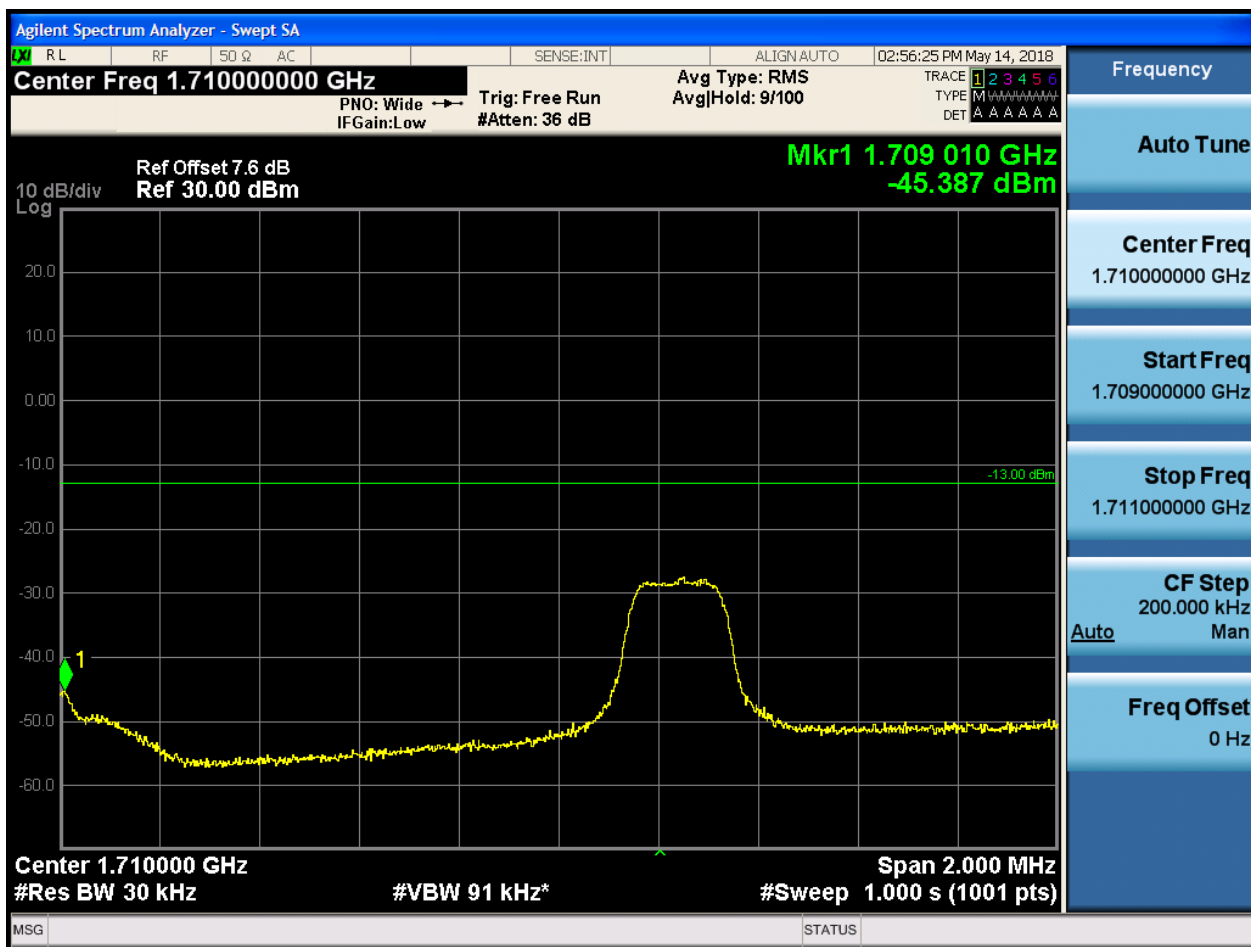
#### 5.1.1.2.2.1 Test Channel = LCH

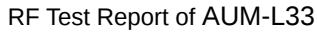
##### 5.1.1.2.2.1.1 Test RB = RB1#0





## 5.1.1.2.2.1.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 02:56:41 PM May 14, 2018

Center Freq 1.710000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 9/100  
#Atten: 36 dB

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

Ref Offset 7.6 dB  
Ref 30.00 dBm

Mkr1 1.709 990 GHz  
-34.971 dBm

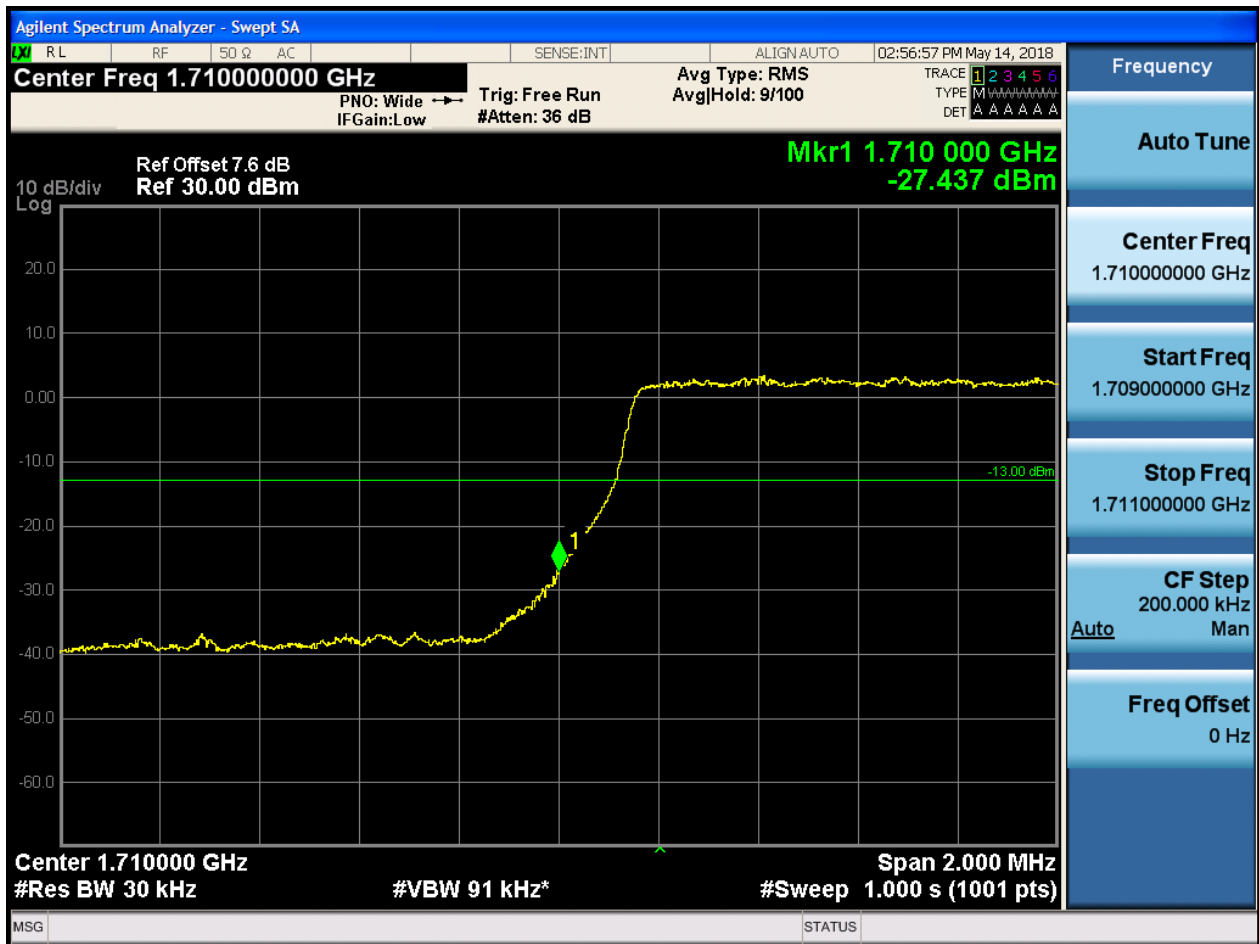
10 dB/div  
Log

Center 1.710000 GHz  
#Res BW 30 kHz  
#VBW 91 kHz\*  
Span 2.000 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

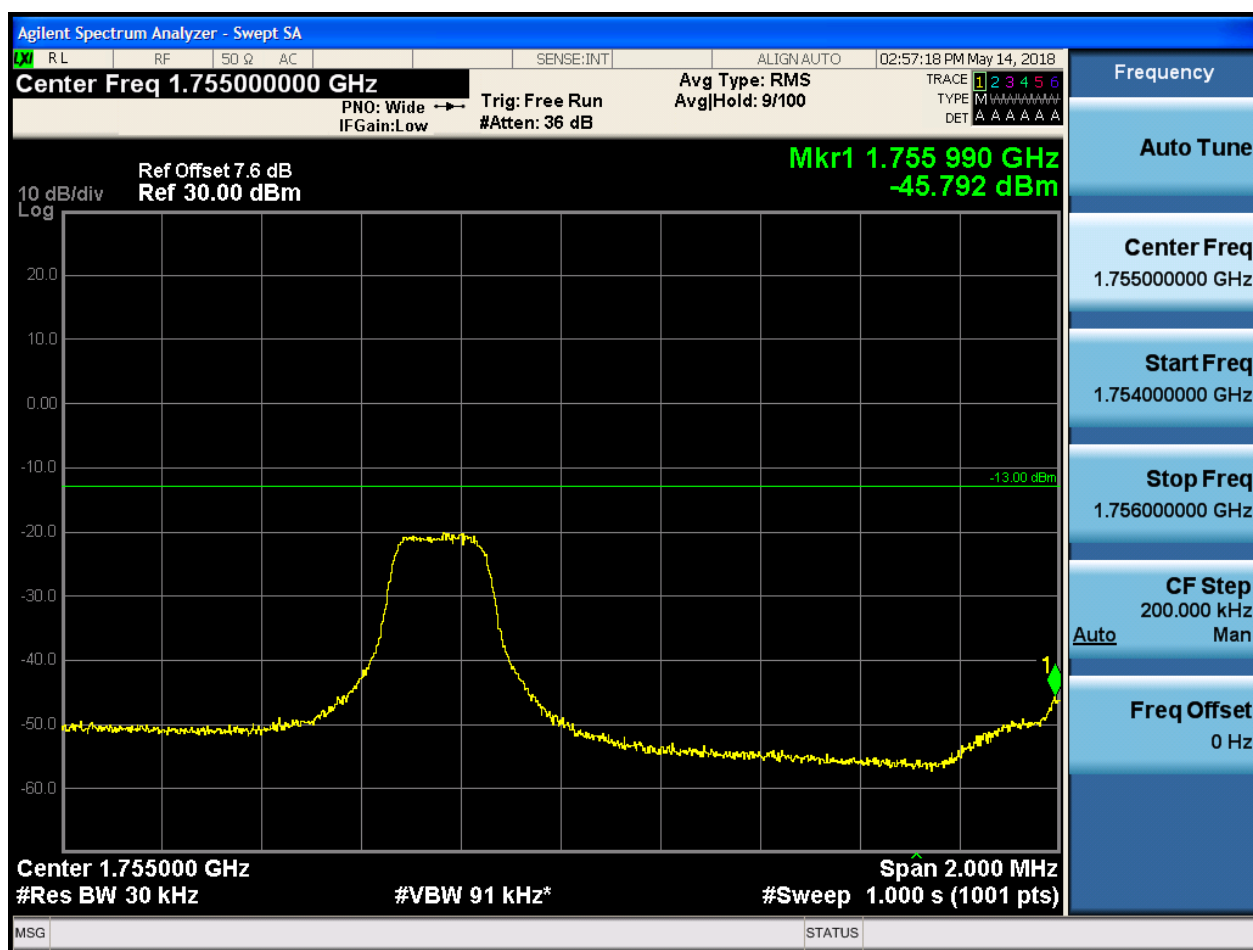


## 5.1.1.2.2.1.4 Test RB = RB15#0



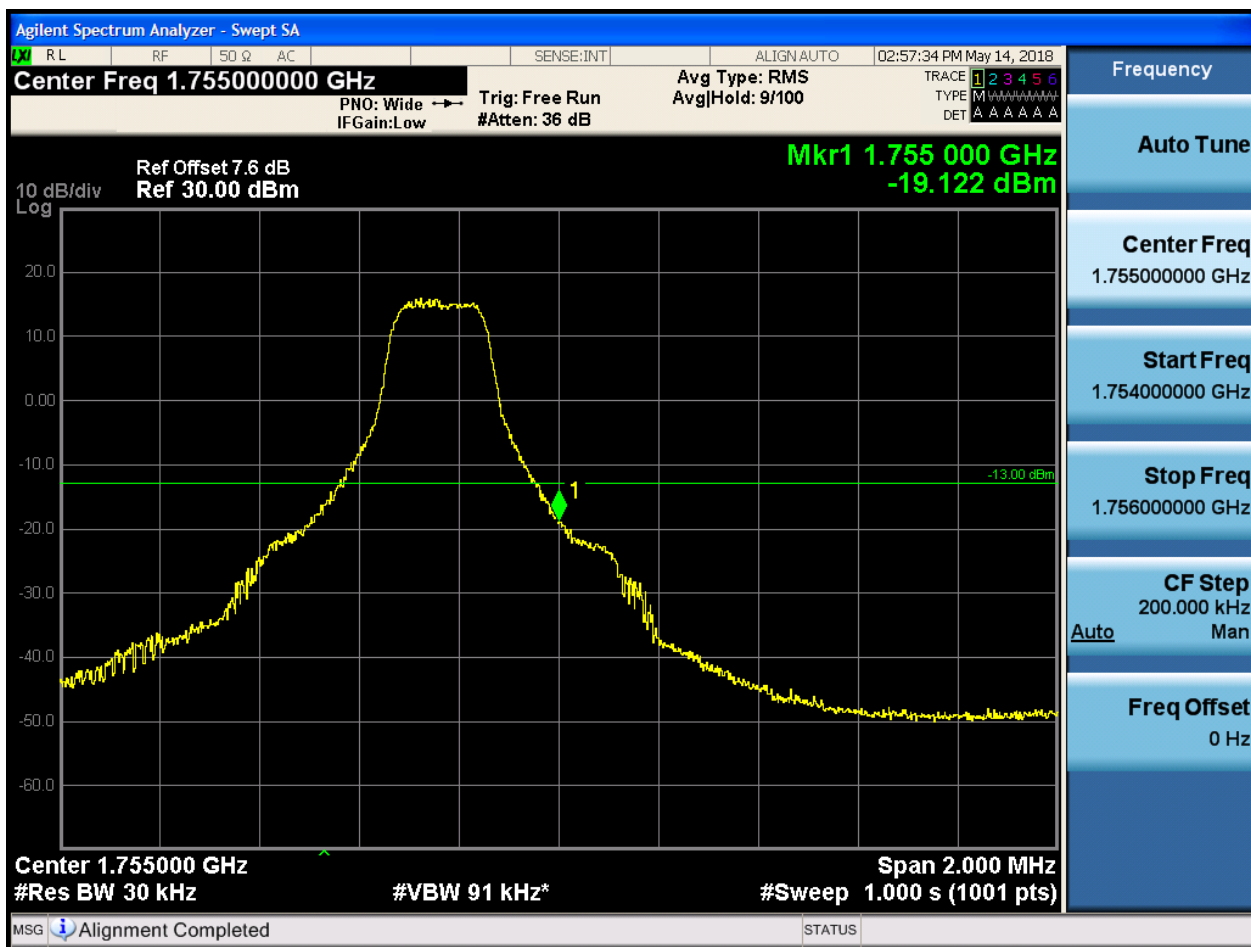
#### 5.1.1.2.2.2 Test Channel = HCH

#### 5.1.1.2.2.2.1 Test RB = RB1#0

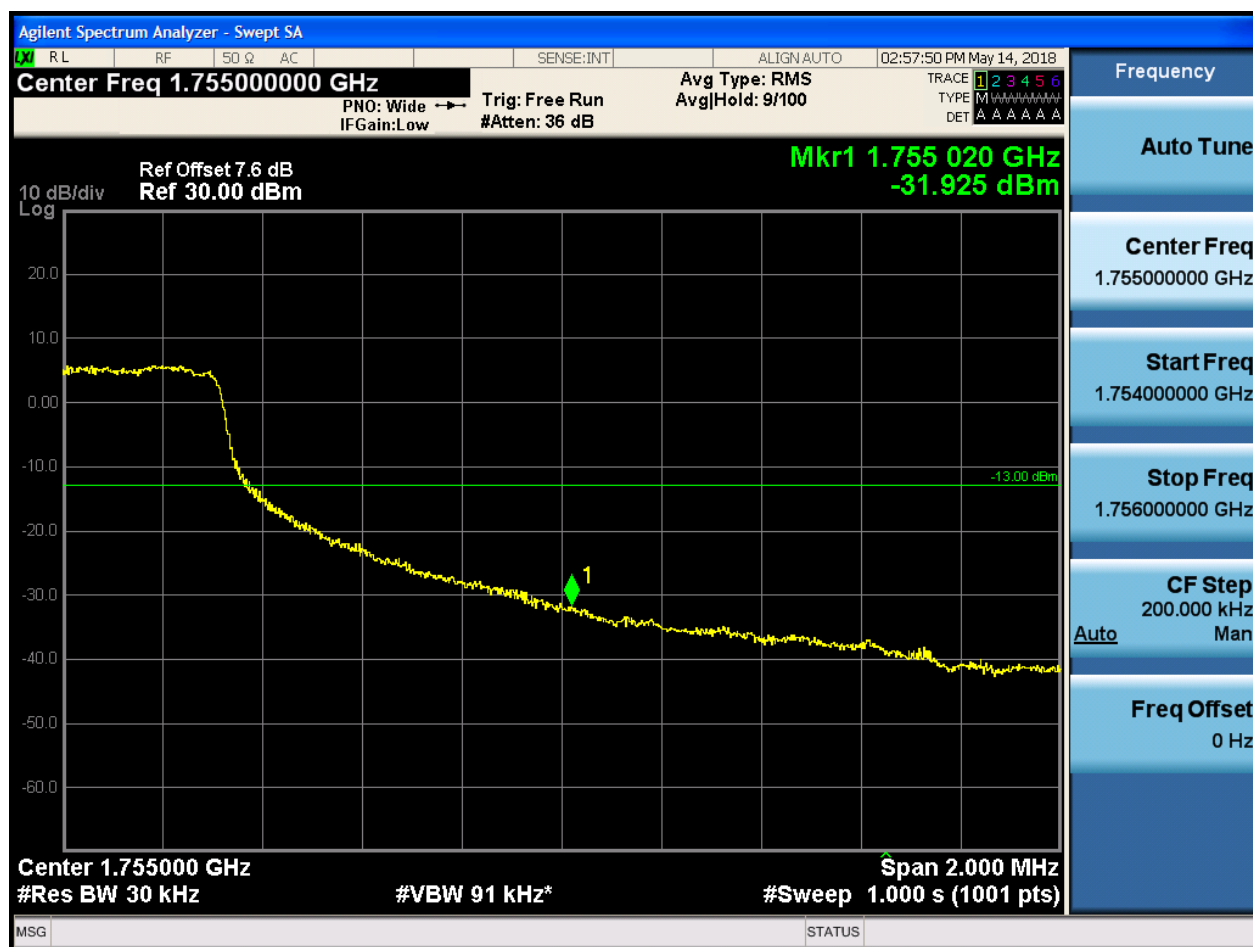




## 5.1.1.2.2.2 Test RB = RB1#14



#### 5.1.1.2.2.2.3 Test RB = RB8#4





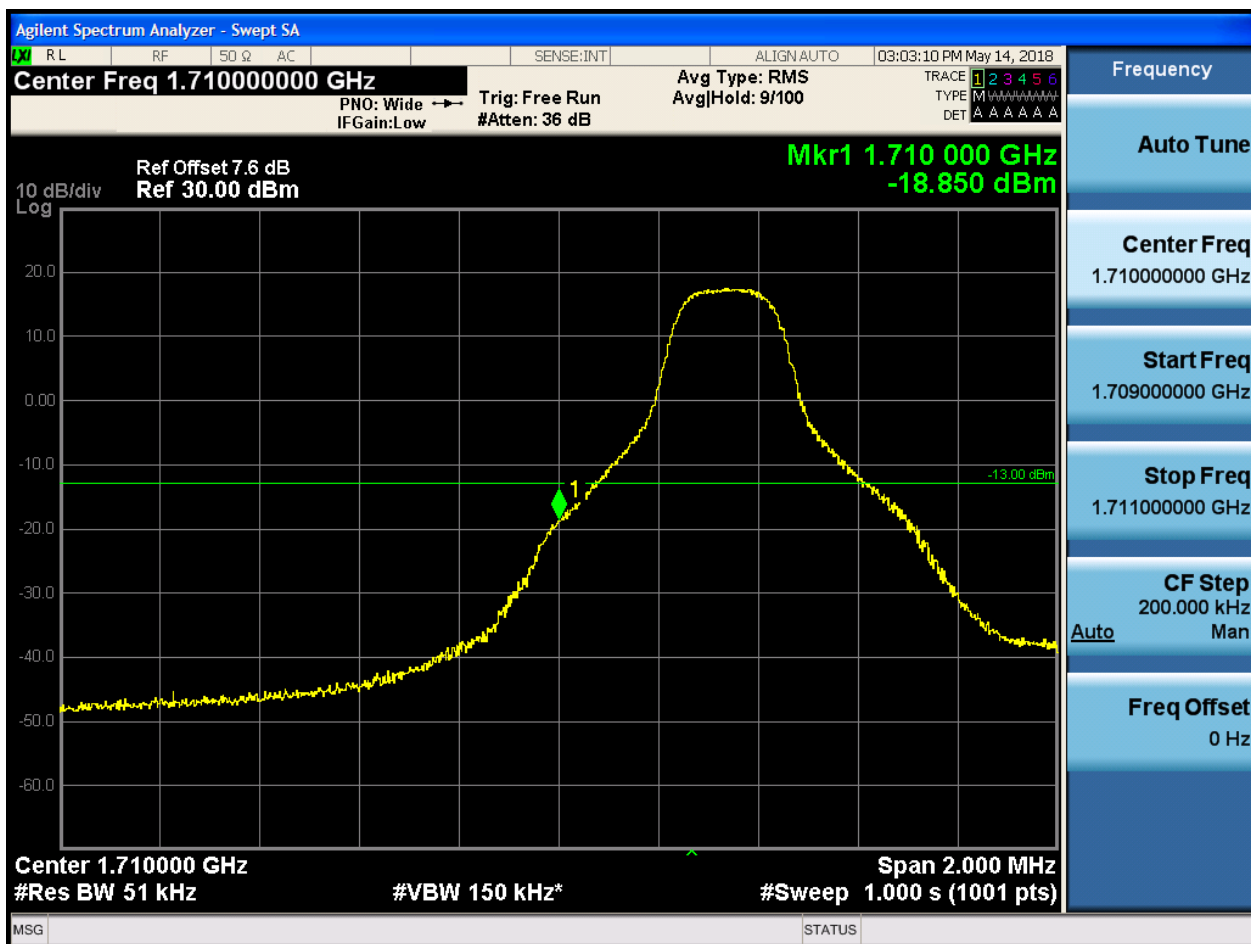
## 5.1.1.2.2.4 Test RB = RB15#0



### 5.1.1.2.3 Test Bandwidth = 5

#### 5.1.1.2.3.1 Test Channel = LCH

##### 5.1.1.2.3.1.1 Test RB = RB1#0





## 5.1.1.2.3.1.2 Test RB = RB1#24

