



# 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   | 23.18          | 23.81      | 33          | PASS    |
|                |           |                |              | RB1#3   | 23.07          | 23.7       | 33          | PASS    |
|                |           |                |              | RB1#5   | 23.15          | 23.78      | 33          | PASS    |
|                |           |                |              | RB3#0   | 23.2           | 23.83      | 33          | PASS    |
|                |           |                |              | RB3#2   | 23.19          | 23.82      | 33          | PASS    |
|                |           |                |              | RB3#3   | 23.14          | 23.77      | 33          | PASS    |
|                |           |                | MCH          | RB6#0   | 22.15          | 22.78      | 33          | PASS    |
|                |           |                |              | RB1#0   | 23.12          | 23.75      | 33          | PASS    |
|                |           |                |              | RB1#3   | 23.13          | 23.76      | 33          | PASS    |
|                |           |                |              | RB1#5   | 23.15          | 23.78      | 33          | PASS    |
|                |           |                |              | RB3#0   | 23.11          | 23.74      | 33          | PASS    |
|                |           |                |              | RB3#2   | 23.1           | 23.73      | 33          | PASS    |
|                |           |                | RB3#3        | 23.09   | 23.72          | 33         | PASS        |         |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |      |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|------|
|                |           |                |              | RB6#0   | 22.2           | 22.83      | 33          | PASS    |      |
|                |           |                | HCH          | RB1#0   | 23.22          | 23.85      | 33          | PASS    |      |
|                |           |                |              | RB1#3   | 23.2           | 23.83      | 33          | PASS    |      |
|                |           |                |              | RB1#5   | 23.23          | 23.86      | 33          | PASS    |      |
|                |           |                |              | RB3#0   | 23.33          | 23.96      | 33          | PASS    |      |
|                |           |                |              | RB3#2   | 23.26          | 23.89      | 33          | PASS    |      |
|                |           |                |              | RB3#3   | 23.24          | 23.87      | 33          | PASS    |      |
|                |           |                |              | RB6#0   | 22.3           | 22.93      | 33          | PASS    |      |
|                |           | 3              |              | LCH     | RB1#0          | 23.21      | 23.84       | 33      | PASS |
|                |           |                | RB1#7        |         | 23.13          | 23.76      | 33          | PASS    |      |
|                |           |                | RB1#14       |         | 23.18          | 23.81      | 33          | PASS    |      |
|                |           |                | RB8#0        |         | 22.15          | 22.78      | 33          | PASS    |      |
|                |           |                | RB8#4        |         | 22.14          | 22.77      | 33          | PASS    |      |
|                |           |                | RB8#7        |         | 22.18          | 22.81      | 33          | PASS    |      |
|                |           |                | RB15#0       |         | 22.19          | 22.82      | 33          | PASS    |      |
|                |           |                |              | MCH     | RB1#0          | 23.24      | 23.87       | 33      | PASS |
|                |           |                |              |         | RB1#7          | 23.18      | 23.81       | 33      | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB1#14  | 23.19          | 23.82      | 33          | PASS    |
|                |           |                |              | RB8#0   | 22.18          | 22.81      | 33          | PASS    |
|                |           |                |              | RB8#4   | 22.19          | 22.82      | 33          | PASS    |
|                |           |                |              | RB8#7   | 22.19          | 22.82      | 33          | PASS    |
|                |           |                |              | RB15#0  | 22.24          | 22.87      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.39          | 24.02      | 33          | PASS    |
|                |           |                | HCH          | RB1#7   | 23.26          | 23.89      | 33          | PASS    |
|                |           |                | HCH          | RB1#14  | 23.33          | 23.96      | 33          | PASS    |
|                |           |                | HCH          | RB8#0   | 22.36          | 22.99      | 33          | PASS    |
|                |           |                | HCH          | RB8#4   | 22.39          | 23.02      | 33          | PASS    |
|                |           |                | HCH          | RB8#7   | 22.26          | 22.89      | 33          | PASS    |
|                |           |                | HCH          | RB15#0  | 22.44          | 23.07      | 33          | PASS    |
|                |           | 5              | LCH          | RB1#0   | 23.16          | 23.79      | 33          | PASS    |
|                |           | 5              | LCH          | RB1#13  | 23.15          | 23.78      | 33          | PASS    |
|                |           | 5              | LCH          | RB1#24  | 23.22          | 23.85      | 33          | PASS    |
|                |           | 5              | LCH          | RB12#0  | 22.17          | 22.8       | 33          | PASS    |
|                |           | 5              | LCH          | RB12#6  | 22.19          | 22.82      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |      |      |      |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|------|------|------|
|                |           |                |              | RB12#13 | 22.13          | 22.76      | 33          | PASS    |      |      |      |
|                |           |                |              | RB25#0  | 22.14          | 22.77      | 33          | PASS    |      |      |      |
|                |           |                | MCH          | RB1#0   | 23.2           | 23.83      | 33          | PASS    |      |      |      |
|                |           |                |              | RB1#13  | 23.15          | 23.78      | 33          | PASS    |      |      |      |
|                |           |                |              | RB1#24  | 23.18          | 23.81      | 33          | PASS    |      |      |      |
|                |           |                |              | RB12#0  | 22.23          | 22.86      | 33          | PASS    |      |      |      |
|                |           |                |              | RB12#6  | 22.2           | 22.83      | 33          | PASS    |      |      |      |
|                |           |                |              | RB12#13 | 22.2           | 22.83      | 33          | PASS    |      |      |      |
|                |           |                |              | RB25#0  | 22.2           | 22.83      | 33          | PASS    |      |      |      |
|                |           |                |              | HCH     | RB1#0          | 23.4       | 24.03       | 33      | PASS |      |      |
|                |           |                | RB1#13       |         | 23.34          | 23.97      | 33          | PASS    |      |      |      |
|                |           |                | RB1#24       |         | 23.28          | 23.91      | 33          | PASS    |      |      |      |
|                |           |                | RB12#0       |         | 22.34          | 22.97      | 33          | PASS    |      |      |      |
|                |           |                | RB12#6       |         | 22.33          | 22.96      | 33          | PASS    |      |      |      |
|                |           |                | RB12#13      |         | 22.36          | 22.99      | 33          | PASS    |      |      |      |
|                |           |                |              |         |                | RB25#0     | 22.37       | 23      | 33   | PASS |      |
|                |           |                |              |         | 10             | LCH        | RB1#0       | 23.17   | 23.8 | 33   | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB1#25  | 23.18          | 23.81      | 33          | PASS    |
|                |           |                |              | RB1#49  | 23.07          | 23.7       | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.21          | 22.84      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.21          | 22.84      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.12          | 22.75      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.23          | 22.86      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 23.17          | 23.8       | 33          | PASS    |
|                |           |                | MCH          | RB1#25  | 23.2           | 23.83      | 33          | PASS    |
|                |           |                | MCH          | RB1#49  | 23.1           | 23.73      | 33          | PASS    |
|                |           |                | MCH          | RB25#0  | 22.21          | 22.84      | 33          | PASS    |
|                |           |                | MCH          | RB25#13 | 22.22          | 22.85      | 33          | PASS    |
|                |           |                | MCH          | RB25#25 | 22.22          | 22.85      | 33          | PASS    |
|                |           |                | MCH          | RB50#0  | 22.25          | 22.88      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.32          | 23.95      | 33          | PASS    |
|                |           |                | HCH          | RB1#25  | 23.28          | 23.91      | 33          | PASS    |
|                |           |                | HCH          | RB1#49  | 23.25          | 23.88      | 33          | PASS    |
|                |           |                | HCH          | RB25#0  | 22.33          | 22.96      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |      |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|------|
|                |           |                |              | RB25#13 | 22.4           | 23.03      | 33          | PASS    |      |
|                |           |                |              | RB25#25 | 22.4           | 23.03      | 33          | PASS    |      |
|                |           |                |              | RB50#0  | 22.43          | 23.06      | 33          | PASS    |      |
|                |           | 15             | LCH          | RB1#0   | 23.18          | 23.81      | 33          | PASS    |      |
|                |           |                |              | RB1#38  | 23.02          | 23.65      | 33          | PASS    |      |
|                |           |                |              | RB1#74  | 23.07          | 23.7       | 33          | PASS    |      |
|                |           |                |              | RB38#0  | 22.22          | 22.85      | 33          | PASS    |      |
|                |           |                |              | RB38#19 | 22.07          | 22.7       | 33          | PASS    |      |
|                |           |                |              | RB38#39 | 22.07          | 22.7       | 33          | PASS    |      |
|                |           |                |              | RB75#0  | 22.18          | 22.81      | 33          | PASS    |      |
|                |           |                |              | MCH     | RB1#0          | 23.18      | 23.81       | 33      | PASS |
|                |           |                |              |         | RB1#38         | 23.15      | 23.78       | 33      | PASS |
|                |           |                |              |         | RB1#74         | 23.14      | 23.77       | 33      | PASS |
|                |           |                |              |         | RB38#0         | 22.22      | 22.85       | 33      | PASS |
|                |           |                |              |         | RB38#19        | 22.2       | 22.83       | 33      | PASS |
| RB38#39        | 22.22     | 22.85          | 33           |         | PASS           |            |             |         |      |
| RB75#0         | 22.33     | 22.96          | 33           |         | PASS           |            |             |         |      |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |      |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|------|
|                |           |                | HCH          | RB1#0   | 23.24          | 23.87      | 33          | PASS    |      |
|                |           |                |              | RB1#38  | 23.26          | 23.89      | 33          | PASS    |      |
|                |           |                |              | RB1#74  | 23.19          | 23.82      | 33          | PASS    |      |
|                |           |                |              | RB38#0  | 22.29          | 22.92      | 33          | PASS    |      |
|                |           |                |              | RB38#19 | 22.3           | 22.93      | 33          | PASS    |      |
|                |           |                |              | RB38#39 | 22.34          | 22.97      | 33          | PASS    |      |
|                |           |                |              | RB75#0  | 22.52          | 23.15      | 33          | PASS    |      |
|                |           | 20             | LCH          | RB1#0   | 23.18          | 23.81      | 33          | PASS    |      |
|                |           |                |              | RB1#50  | 23.03          | 23.66      | 33          | PASS    |      |
|                |           |                |              | RB1#99  | 23.04          | 23.67      | 33          | PASS    |      |
|                |           |                |              | RB50#0  | 22.1           | 22.73      | 33          | PASS    |      |
|                |           |                |              | RB50#25 | 22.14          | 22.77      | 33          | PASS    |      |
|                |           |                |              | RB50#50 | 22.14          | 22.77      | 33          | PASS    |      |
|                |           |                |              | RB100#0 | 22.1           | 22.73      | 33          | PASS    |      |
|                |           |                |              | MCH     | RB1#0          | 23.12      | 23.75       | 33      | PASS |
|                |           |                |              |         | RB1#50         | 23.15      | 23.78       | 33      | PASS |
|                |           |                |              |         | RB1#99         | 23.07      | 23.7        | 33      | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB50#0  | 22.22          | 22.85      | 33          | PASS    |
|                |           |                |              | RB50#25 | 22.25          | 22.88      | 33          | PASS    |
|                |           |                |              | RB50#50 | 22.32          | 22.95      | 33          | PASS    |
|                |           |                |              | RB100#0 | 22.28          | 22.91      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.06          | 23.69      | 33          | PASS    |
|                |           |                |              | RB1#50  | 23.26          | 23.89      | 33          | PASS    |
|                |           |                |              | RB1#99  | 23.22          | 23.85      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.43          | 23.06      | 33          | PASS    |
|                |           |                |              | RB50#25 | 22.36          | 22.99      | 33          | PASS    |
|                |           |                |              | RB50#50 | 22.43          | 23.06      | 33          | PASS    |
|                |           |                |              | RB100#0 | 22.4           | 23.03      | 33          | PASS    |
|                |           |                |              | LCH     | RB1#0          | 22.47      | 23.1        | 33      |
|                |           |                | RB1#3        |         | 22.29          | 22.92      | 33          | PASS    |
|                |           |                | RB1#5        |         | 22.33          | 22.96      | 33          | PASS    |
| RB3#0          | 22.13     | 22.76          | 33           |         | PASS           |            |             |         |
| RB3#2          | 22.07     | 22.7           | 33           |         | PASS           |            |             |         |
| RB3#3          | 22.02     | 22.65          | 33           |         | PASS           |            |             |         |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB6#0   | 20.96          | 21.59      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.45          | 23.08      | 33          | PASS    |
|                |           |                |              | RB1#3   | 22.34          | 22.97      | 33          | PASS    |
|                |           |                |              | RB1#5   | 22.33          | 22.96      | 33          | PASS    |
|                |           |                |              | RB3#0   | 22.13          | 22.76      | 33          | PASS    |
|                |           |                |              | RB3#2   | 22.12          | 22.75      | 33          | PASS    |
|                |           |                |              | RB3#3   | 22.14          | 22.77      | 33          | PASS    |
|                |           |                |              | RB6#0   | 21             | 21.63      | 33          | PASS    |
|                |           |                |              | HCH     | RB1#0          | 22.09      | 22.72       | 33      |
|                |           |                | RB1#3        |         | 22.1           | 22.73      | 33          | PASS    |
|                |           |                | RB1#5        |         | 22.16          | 22.79      | 33          | PASS    |
|                |           |                | RB3#0        |         | 22.48          | 23.11      | 33          | PASS    |
|                |           |                | RB3#2        |         | 22.46          | 23.09      | 33          | PASS    |
|                |           |                | RB3#3        |         | 22.47          | 23.1       | 33          | PASS    |
|                |           |                | RB6#0        |         | 21.41          | 22.04      | 33          | PASS    |
|                |           |                | 3            | LCH     | RB1#0          | 22.3       | 22.93       | 33      |
|                |           | RB1#7          |              |         | 22.28          | 22.91      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB1#14  | 22.36          | 22.99      | 33          | PASS    |
|                |           |                |              | RB8#0   | 21.16          | 21.79      | 33          | PASS    |
|                |           |                |              | RB8#4   | 21.18          | 21.81      | 33          | PASS    |
|                |           |                |              | RB8#7   | 21.19          | 21.82      | 33          | PASS    |
|                |           |                |              | RB15#0  | 21.15          | 21.78      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.33          | 22.96      | 33          | PASS    |
|                |           |                | MCH          | RB1#7   | 22.35          | 22.98      | 33          | PASS    |
|                |           |                | MCH          | RB1#14  | 22.4           | 23.03      | 33          | PASS    |
|                |           |                | MCH          | RB8#0   | 21.26          | 21.89      | 33          | PASS    |
|                |           |                | MCH          | RB8#4   | 21.19          | 21.82      | 33          | PASS    |
|                |           |                | MCH          | RB8#7   | 21.24          | 21.87      | 33          | PASS    |
|                |           |                | MCH          | RB15#0  | 21.17          | 21.8       | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.49          | 23.12      | 33          | PASS    |
|                |           |                | HCH          | RB1#7   | 22.4           | 23.03      | 33          | PASS    |
|                |           |                | HCH          | RB1#14  | 22.48          | 23.11      | 33          | PASS    |
|                |           |                | HCH          | RB8#0   | 21.39          | 22.02      | 33          | PASS    |
|                |           |                | HCH          | RB8#4   | 21.39          | 22.02      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |      |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|------|
|                |           |                |              | RB8#7   | 21.32          | 21.95      | 33          | PASS    |      |
|                |           |                |              | RB15#0  | 21.42          | 22.05      | 33          | PASS    |      |
|                |           | 5              | LCH          | RB1#0   | 22.14          | 22.77      | 33          | PASS    |      |
|                |           |                |              | RB1#13  | 22.07          | 22.7       | 33          | PASS    |      |
|                |           |                |              | RB1#24  | 22.1           | 22.73      | 33          | PASS    |      |
|                |           |                |              | RB12#0  | 21.14          | 21.77      | 33          | PASS    |      |
|                |           |                |              | RB12#6  | 21.15          | 21.78      | 33          | PASS    |      |
|                |           |                |              | RB12#13 | 21.15          | 21.78      | 33          | PASS    |      |
|                |           |                |              | RB25#0  | 21.07          | 21.7       | 33          | PASS    |      |
|                |           |                |              | MCH     | RB1#0          | 22.16      | 22.79       | 33      | PASS |
|                |           |                |              |         | RB1#13         | 22.13      | 22.76       | 33      | PASS |
|                |           |                |              |         | RB1#24         | 22.15      | 22.78       | 33      | PASS |
|                |           |                |              |         | RB12#0         | 21.15      | 21.78       | 33      | PASS |
|                |           |                |              |         | RB12#6         | 21.18      | 21.81       | 33      | PASS |
|                |           |                |              |         | RB12#13        | 21.19      | 21.82       | 33      | PASS |
|                |           |                |              |         | RB25#0         | 21.11      | 21.74       | 33      | PASS |
|                |           |                |              | HCH     | RB1#0          | 22.28      | 22.91       | 33      | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |      |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|------|
|                |           |                |              | RB1#13  | 22.34          | 22.97      | 33          | PASS    |      |
|                |           |                |              | RB1#24  | 22.25          | 22.88      | 33          | PASS    |      |
|                |           |                |              | RB12#0  | 21.36          | 21.99      | 33          | PASS    |      |
|                |           |                |              | RB12#6  | 21.36          | 21.99      | 33          | PASS    |      |
|                |           |                |              | RB12#13 | 21.38          | 22.01      | 33          | PASS    |      |
|                |           |                |              | RB25#0  | 21.3           | 21.93      | 33          | PASS    |      |
|                |           | 10             | LCH          | RB1#0   | 22.33          | 22.96      | 33          | PASS    |      |
|                |           |                |              | RB1#25  | 22.32          | 22.95      | 33          | PASS    |      |
|                |           |                |              | RB1#49  | 22.24          | 22.87      | 33          | PASS    |      |
|                |           |                |              | RB25#0  | 21.17          | 21.8       | 33          | PASS    |      |
|                |           |                |              | RB25#13 | 21.15          | 21.78      | 33          | PASS    |      |
|                |           |                |              | RB25#25 | 21.09          | 21.72      | 33          | PASS    |      |
|                |           |                |              | RB50#0  | 21.18          | 21.81      | 33          | PASS    |      |
|                |           |                |              | MCH     | RB1#0          | 22.35      | 22.98       | 33      | PASS |
|                |           |                |              |         | RB1#25         | 22.33      | 22.96       | 33      | PASS |
|                |           |                |              |         | RB1#49         | 22.21      | 22.84       | 33      | PASS |
| RB25#0         | 21.16     | 21.79          | 33           |         | PASS           |            |             |         |      |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB25#13 | 21.19          | 21.82      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.19          | 21.82      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.18          | 21.81      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.4           | 23.03      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.44          | 23.07      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.37          | 23         | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.33          | 21.96      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.34          | 21.97      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.34          | 21.97      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.36          | 21.99      | 33          | PASS    |
|                |           |                |              |         | RB1#0          | 22.23      | 22.86       | 33      |
|                |           | 15             | LCH          | RB1#38  | 22.22          | 22.85      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.31          | 22.94      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.24          | 21.87      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.15          | 21.78      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.07          | 21.7       | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.18          | 21.81      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                | MCH          | RB1#0   | 22.33          | 22.96      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.35          | 22.98      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.5           | 23.13      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.21          | 21.84      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.18          | 21.81      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.2           | 21.83      | 33          | PASS    |
|                |           |                | RB75#0       | 21.27   | 21.9           | 33         | PASS        |         |
|                |           |                | HCH          | RB1#0   | 22.36          | 22.99      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.49          | 23.12      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.49          | 23.12      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.32          | 21.95      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.35          | 21.98      | 33          | PASS    |
|                |           | RB38#39        |              | 21.35   | 21.98          | 33         | PASS        |         |
|                |           | 20             | LCH          | RB1#0   | 22.27          | 22.9       | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.26          | 22.89      | 33          | PASS    |
| RB1#99         | 22.2      |                |              | 22.83   | 33             | PASS       |             |         |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB50#0  | 21.12          | 21.75      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.11          | 21.74      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.08          | 21.71      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.1           | 21.73      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.31          | 22.94      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.37          | 23         | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.24          | 22.87      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.16          | 21.79      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.17          | 21.8       | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.19          | 21.82      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.23          | 21.86      | 33          | PASS    |
|                |           |                |              | HCH     | RB1#0          | 22.31      | 22.94       | 33      |
|                |           |                | RB1#50       |         | 22.4           | 23.03      | 33          | PASS    |
|                |           |                | RB1#99       |         | 22.4           | 23.03      | 33          | PASS    |
|                |           |                | RB50#0       |         | 21.33          | 21.96      | 33          | PASS    |
|                |           |                | RB50#25      |         | 21.33          | 21.96      | 33          | PASS    |
|                |           |                | RB50#50      |         | 21.36          | 21.99      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB100#0 | 21.35          | 21.98      | 33          | PASS    |

Note1:

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

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

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

b, SGP=Signal Generator Level

Note2: RBW > emission bandwidth, VBW > 3 x RBW.

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   | 5.19         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.01         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 6.04         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 6.13         | 13         | PASS    |
|                    |           |                      | RB6#0        | 6.58    | 13           | PASS       |         |
|                    |           |                      | MCH          | RB1#0   | 4.86         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.74         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.8          | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.82         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.81         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.89         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.6          | 13         | PASS    |
|                    |           | RB3#3                |              | 5.61    | 13           | PASS       |         |
|                    |           | 3                    | LCH          | RB1#0   | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.59         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 6.67         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 6.65         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 6.85         | 13         | PASS    |
|                    |           |                      | MCH          | RB15#0  | 6.21         | 13         | PASS    |
|                    |           |                      |              | RB1#0   | 4.65         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.68         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.98         | 13         | PASS    |
| RB8#4              | 6.05      |                      |              | 13      | PASS         |            |         |
| HCH                | RB8#7     | 6.1                  | 13           | PASS    |              |            |         |
|                    | RB15#0    | 5.77                 | 13           | PASS    |              |            |         |
|                    | RB1#0     | 5.23                 | 13           | PASS    |              |            |         |
|                    |           |                      |              | RB1#7   | 5.13         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.96         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           | 5                    |              | RB8#0   | 6.49         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 6.49         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 6.49         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.23         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 5.17         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.41         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.35         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.78         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.81         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.79         | 13         | PASS    |
|                    |           |                      | MCH          | RB25#0  | 6.53         | 13         | PASS    |
|                    |           |                      |              | RB1#0   | 4.5          | 13         | PASS    |
|                    |           | RB1#13               |              | 4.6     | 13           | PASS       |         |
|                    |           | RB1#24               |              | 4.7     | 13           | PASS       |         |
|                    |           | RB12#0               |              | 5.91    | 13           | PASS       |         |
|                    |           | RB12#6               |              | 5.89    | 13           | PASS       |         |
|                    |           | HCH                  | RB12#13      | 5.95    | 13           | PASS       |         |
|                    |           |                      | RB25#0       | 6.17    | 13           | PASS       |         |
|                    |           |                      | RB1#0        | 5.22    | 13           | PASS       |         |
|                    |           |                      | RB1#13       | 5.01    | 13           | PASS       |         |
|                    |           |                      | RB1#24       | 4.85    | 13           | PASS       |         |
|                    |           |                      | RB12#0       | 6.7     | 13           | PASS       |         |
|                    |           | 10                   | LCH          | RB12#6  | 6.55         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.46         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.58         | 13         | PASS    |
|                    |           |                      |              | RB1#0   | 5.41         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.04         | 13         | PASS    |
|                    |           |                      | MCH          | RB25#0  | 6.99         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.92         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.76         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.47         | 13         | PASS    |
| RB1#0              | 4.68      |                      |              | 13      | PASS         |            |         |
| RB1#25             | 4.68      |                      |              | 13      | PASS         |            |         |
| RB1#49             | 5.09      | 13                   | PASS         |         |              |            |         |
| RB25#0             | 6.1       | 13                   | PASS         |         |              |            |         |
| RB25#13            | 6.14      | 13                   | PASS         |         |              |            |         |
| RB25#25            | 6.3       | 13                   | PASS         |         |              |            |         |
| RB50#0             | 6.08      | 13                   | PASS         |         |              |            |         |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      | HCH          | RB1#0   | 5.84         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.49         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 7.22         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 7.31         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 7            | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.62         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 5.59         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.28         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.05         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.86         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.82         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.62         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.72         | 13         | PASS    |
|                    |           | MCH                  | RB1#0        | 4.61    | 13           | PASS       |         |
|                    |           |                      | RB1#38       | 4.68    | 13           | PASS       |         |
|                    |           |                      | RB1#74       | 5.6     | 13           | PASS       |         |
|                    |           |                      | RB38#0       | 6.34    | 13           | PASS       |         |
|                    |           |                      | RB38#19      | 6.49    | 13           | PASS       |         |
|                    |           |                      | RB38#39      | 6.69    | 13           | PASS       |         |
|                    |           |                      | RB75#0       | 6.53    | 13           | PASS       |         |
|                    |           | HCH                  | RB1#0        | 5.67    | 13           | PASS       |         |
|                    |           |                      | RB1#38       | 5.57    | 13           | PASS       |         |
|                    |           |                      | RB1#74       | 5.37    | 13           | PASS       |         |
|                    |           |                      | RB38#0       | 7.07    | 13           | PASS       |         |
|                    |           |                      | RB38#19      | 7.22    | 13           | PASS       |         |
|                    |           |                      | RB38#39      | 6.95    | 13           | PASS       |         |
|                    |           |                      | RB75#0       | 7.01    | 13           | PASS       |         |
|                    |           | 20                   | LCH          | RB1#0   | 5.38         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.94         | 13         | PASS    |
| RB1#99             | 4.63      |                      |              | 13      | PASS         |            |         |
| RB50#0             | 6.81      |                      |              | 13      | PASS         |            |         |
| RB50#25            | 6.41      |                      |              | 13      | PASS         |            |         |
| RB50#50            | 6.18      |                      |              | 13      | PASS         |            |         |
| RB100#0            | 6.37      |                      |              | 13      | PASS         |            |         |
| MCH                | RB1#0     |                      | 4.71         | 13      | PASS         |            |         |
|                    | RB1#50    |                      | 4.78         | 13      | PASS         |            |         |
|                    | RB1#99    |                      | 5.59         | 13      | PASS         |            |         |
|                    | RB50#0    |                      | 6.33         | 13      | PASS         |            |         |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |      |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|------|
|                    |           |                      |              | RB1#7   | 5.4          | 13         | PASS    |      |
|                    |           |                      |              | RB1#14  | 5.44         | 13         | PASS    |      |
|                    |           |                      |              | RB8#0   | 6.5          | 13         | PASS    |      |
|                    |           |                      |              | RB8#4   | 6.48         | 13         | PASS    |      |
|                    |           |                      |              | RB8#7   | 6.55         | 13         | PASS    |      |
|                    |           |                      |              | RB15#0  | 6.42         | 13         | PASS    |      |
|                    |           |                      | HCH          | RB1#0   | 6.15         | 13         | PASS    |      |
|                    |           |                      |              | RB1#7   | 6.38         | 13         | PASS    |      |
|                    |           |                      |              | RB1#14  | 6.31         | 13         | PASS    |      |
|                    |           |                      |              | RB8#0   | 7.62         | 13         | PASS    |      |
|                    |           |                      |              | RB8#4   | 7.61         | 13         | PASS    |      |
|                    |           |                      |              | RB8#7   | 7.65         | 13         | PASS    |      |
|                    |           |                      | 5            | LCH     | RB1#0        | 6.65       | 13      | PASS |
|                    |           |                      |              |         | RB1#13       | 6.53       | 13      | PASS |
|                    |           | RB1#24               |              |         | 6.61         | 13         | PASS    |      |
|                    |           | RB12#0               |              |         | 7.15         | 13         | PASS    |      |
|                    |           | RB12#6               |              |         | 7.17         | 13         | PASS    |      |
|                    |           | RB12#13              |              |         | 7.07         | 13         | PASS    |      |
|                    |           | MCH                  |              | RB25#0  | 7.56         | 13         | PASS    |      |
|                    |           |                      |              | RB1#0   | 5.75         | 13         | PASS    |      |
|                    |           |                      |              | RB1#13  | 5.75         | 13         | PASS    |      |
|                    |           |                      |              | RB1#24  | 6.05         | 13         | PASS    |      |
|                    |           |                      |              | RB12#0  | 6.16         | 13         | PASS    |      |
|                    |           |                      |              | RB12#6  | 6.2          | 13         | PASS    |      |
|                    |           | HCH                  |              | RB12#13 | 6.3          | 13         | PASS    |      |
|                    |           |                      |              | RB25#0  | 6.77         | 13         | PASS    |      |
|                    |           |                      |              | RB1#0   | 6.69         | 13         | PASS    |      |
|                    |           |                      |              | RB1#13  | 6.36         | 13         | PASS    |      |
|                    |           |                      |              | RB1#24  | 6.29         | 13         | PASS    |      |
|                    |           |                      |              | RB12#0  | 7.16         | 13         | PASS    |      |
|                    |           | 10                   | LCH          | RB12#6  | 7.08         | 13         | PASS    |      |
|                    |           |                      |              | RB12#13 | 6.96         | 13         | PASS    |      |
| RB25#0             | 7.62      |                      |              | 13      | PASS         |            |         |      |
| RB1#0              | 6.38      |                      |              | 13      | PASS         |            |         |      |
| RB1#25             | 6.12      |                      |              | 13      | PASS         |            |         |      |
|                    |           |                      |              | RB1#49  | 5.98         | 13         | PASS    |      |
|                    |           |                      |              | RB25#0  | 7.54         | 13         | PASS    |      |
|                    |           |                      |              | RB25#13 | 7.43         | 13         | PASS    |      |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |      |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|------|
|                    |           |                      |              | RB25#25 | 7.39         | 13         | PASS    |      |
|                    |           |                      |              | RB50#0  | 7.45         | 13         | PASS    |      |
|                    |           |                      | MCH          | RB1#0   | 5.54         | 13         | PASS    |      |
|                    |           |                      |              | RB1#25  | 5.62         | 13         | PASS    |      |
|                    |           |                      |              | RB1#49  | 5.94         | 13         | PASS    |      |
|                    |           |                      |              | RB25#0  | 6.4          | 13         | PASS    |      |
|                    |           |                      |              | RB25#13 | 6.39         | 13         | PASS    |      |
|                    |           |                      |              | RB25#25 | 6.57         | 13         | PASS    |      |
|                    |           |                      | RB50#0       | 6.96    | 13           | PASS       |         |      |
|                    |           |                      | HCH          | RB1#0   | 6.82         | 13         | PASS    |      |
|                    |           |                      |              | RB1#25  | 6.59         | 13         | PASS    |      |
|                    |           |                      |              | RB1#49  | 6.42         | 13         | PASS    |      |
|                    |           |                      |              | RB25#0  | 7.92         | 13         | PASS    |      |
|                    |           |                      |              | RB25#13 | 7.76         | 13         | PASS    |      |
|                    |           | RB25#25              |              | 7.69    | 13           | PASS       |         |      |
|                    |           | RB50#0               | 7.95         | 13      | PASS         |            |         |      |
|                    |           | 15                   | LCH          |         | RB1#0        | 6.31       | 13      | PASS |
|                    |           |                      |              |         | RB1#38       | 6.12       | 13      | PASS |
|                    |           |                      |              |         | RB1#74       | 5.66       | 13      | PASS |
|                    |           |                      |              |         | RB38#0       | 7.74       | 13      | PASS |
|                    |           |                      |              |         | RB38#19      | 7.65       | 13      | PASS |
|                    |           |                      |              |         | RB38#39      | 7.27       | 13      | PASS |
|                    |           |                      |              |         | RB75#0       | 7.25       | 13      | PASS |
|                    |           |                      | MCH          | RB1#0   | 5.58         | 13         | PASS    |      |
|                    |           |                      |              | RB1#38  | 5.62         | 13         | PASS    |      |
|                    |           |                      |              | RB1#74  | 6.23         | 13         | PASS    |      |
|                    |           |                      |              | RB38#0  | 6.56         | 13         | PASS    |      |
|                    |           |                      |              | RB38#19 | 6.62         | 13         | PASS    |      |
|                    |           |                      |              | RB38#39 | 6.84         | 13         | PASS    |      |
|                    |           |                      | RB75#0       | 6.71    | 13           | PASS       |         |      |
|                    |           |                      | HCH          | RB1#0   | 6.76         | 13         | PASS    |      |
|                    |           | RB1#38               |              | 6.89    | 13           | PASS       |         |      |
|                    |           | RB1#74               |              | 6.48    | 13           | PASS       |         |      |
| RB38#0             | 8.1       | 13                   |              | PASS    |              |            |         |      |
| RB38#19            | 8.24      | 13                   |              | PASS    |              |            |         |      |
| RB38#39            | 7.99      | 13                   |              | PASS    |              |            |         |      |
| RB75#0             | 7.48      | 13                   | PASS         |         |              |            |         |      |
| 20                 | LCH       | RB1#0                | 6.4          | 13      | PASS         |            |         |      |
|                    |           | RB1#50               | 5.87         | 13      | PASS         |            |         |      |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#99  | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 7.45         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 7.26         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 7.04         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 7.31         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.72         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.7          | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 6.57         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.48         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.55         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 7.04         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 7.26         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 6.3          | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 6.09         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 7.52         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 7.93         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 7.82         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 7.72         | 13         | PASS    |

### 3Appendix\_C: Modulation Characteristics

#### Part I - Test Plots

##### 3.1 For LTE

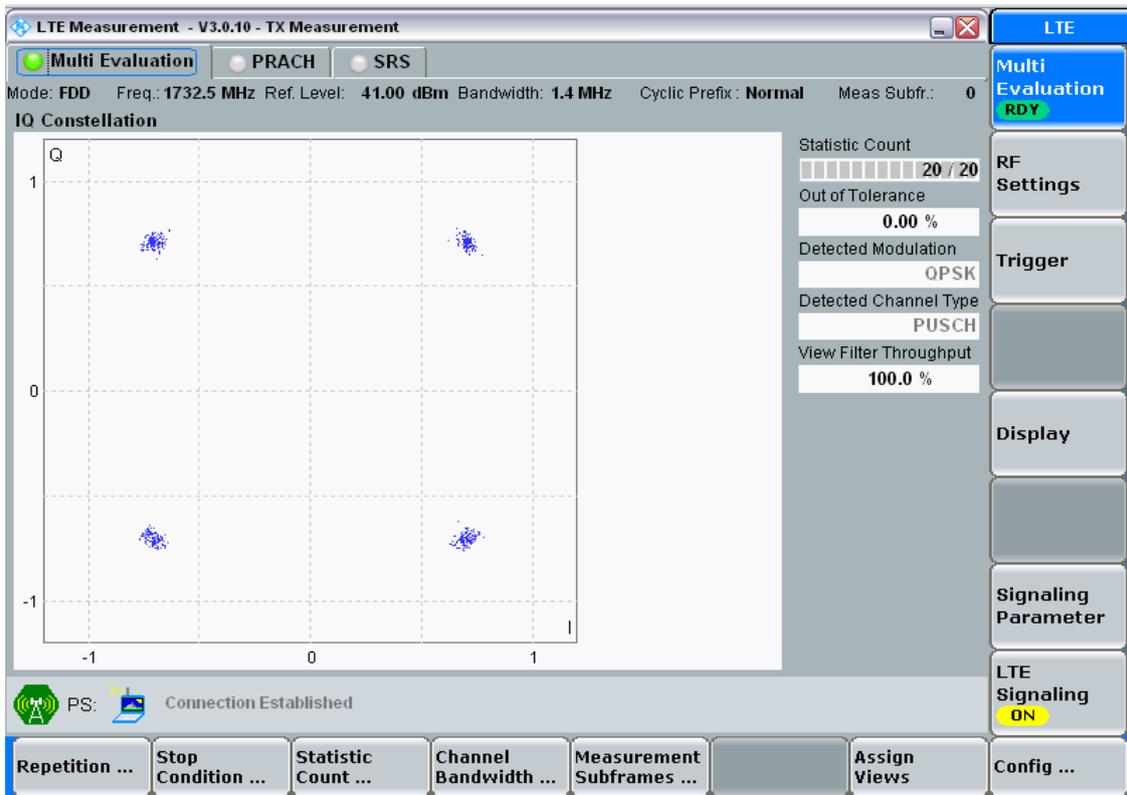
##### 3.1.1 Test Band = BAND4

##### 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

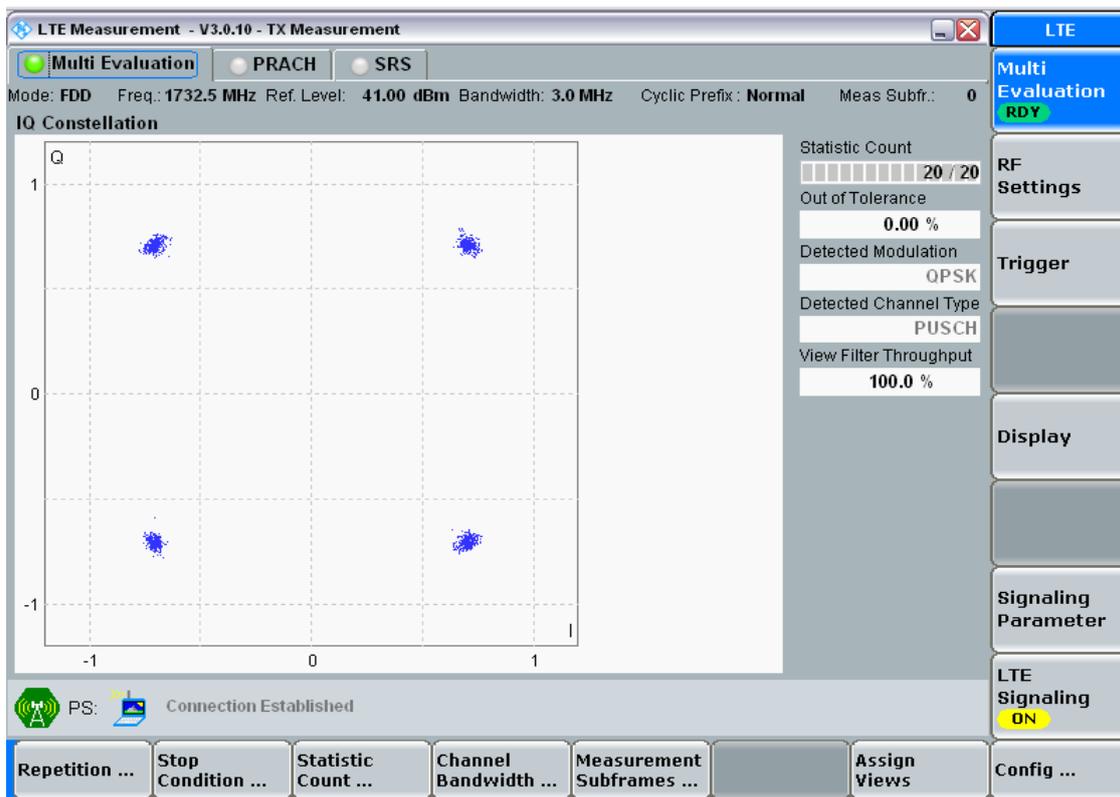
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

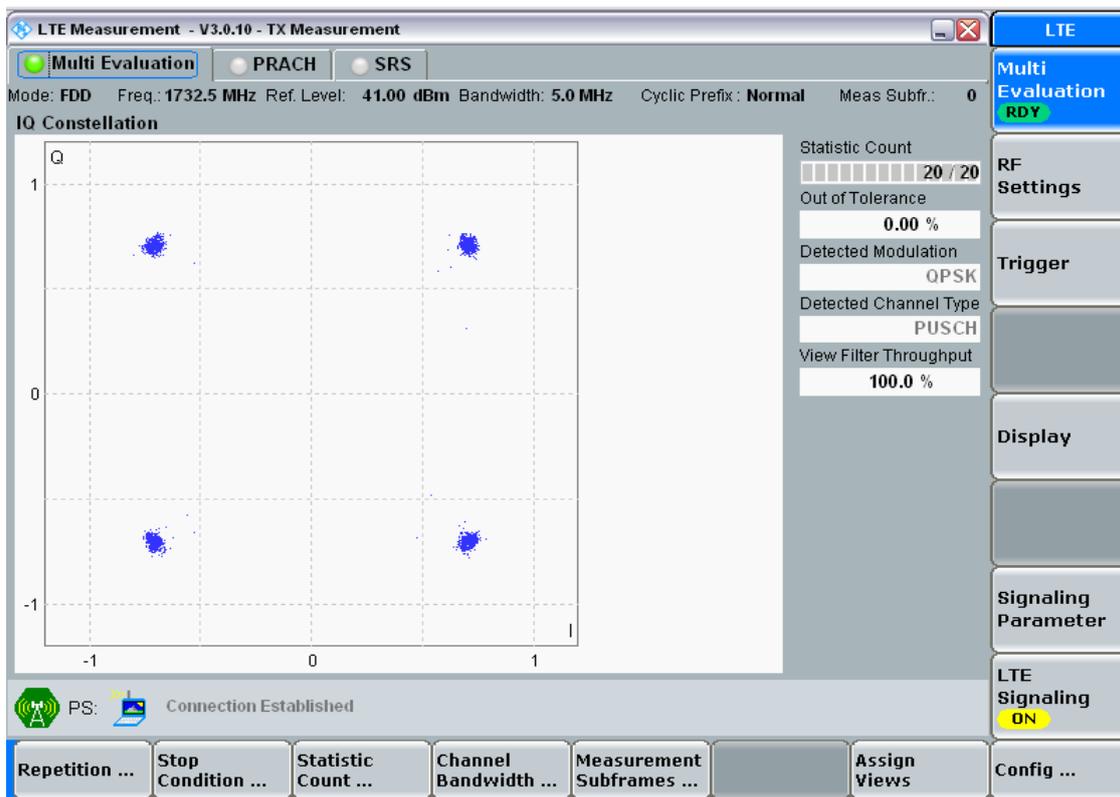
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

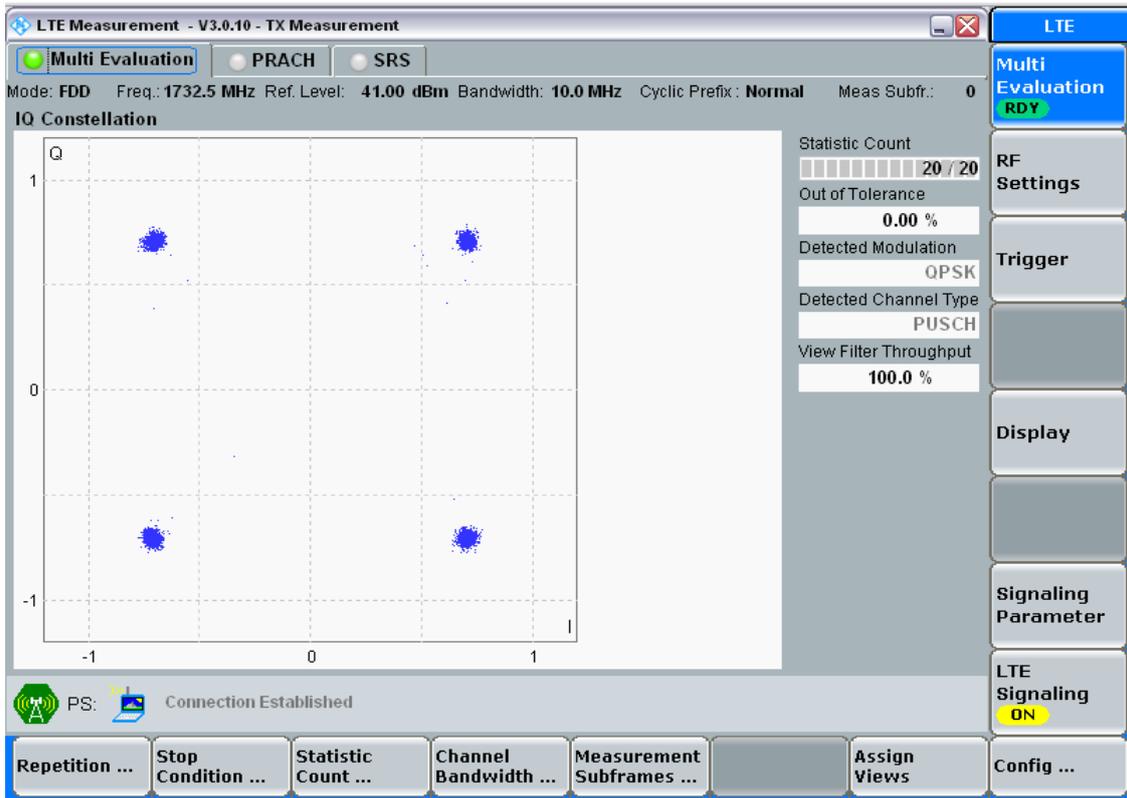
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

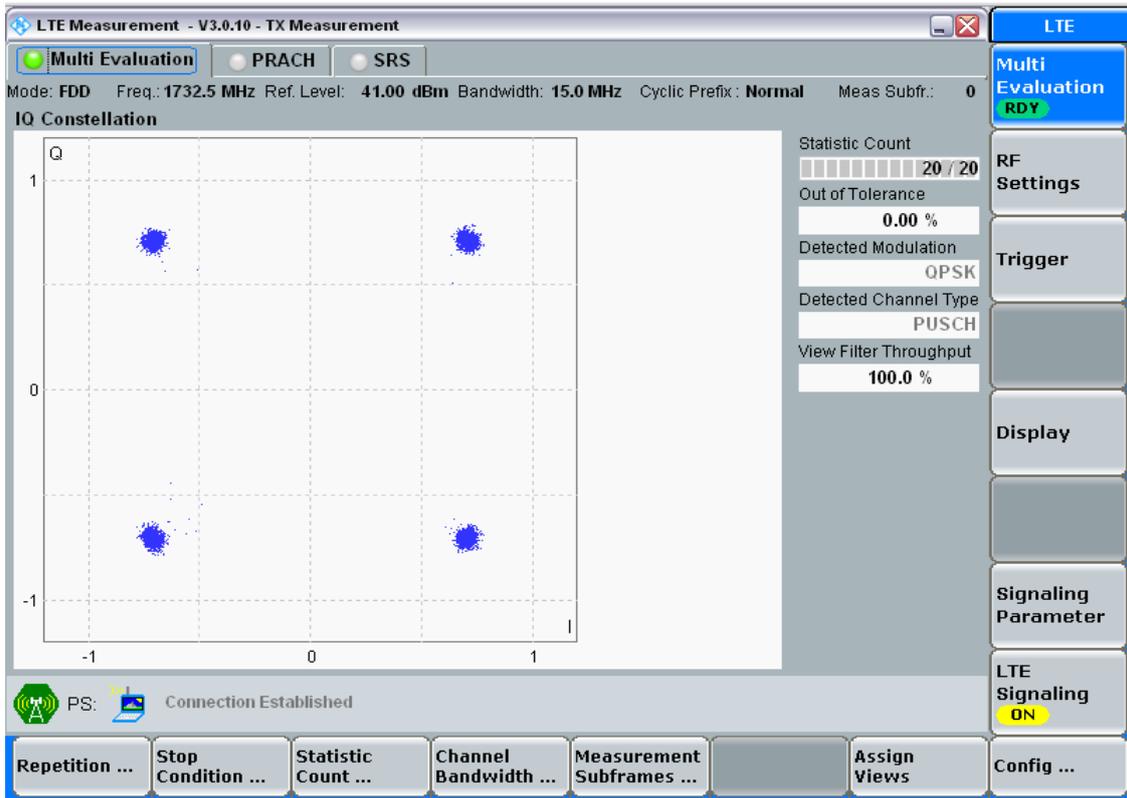
##### 3.1.1.1.4.1.1 Test RB = RB50#0



### 3.1.1.1.5 Test Bandwidth = 15

#### 3.1.1.1.5.1 Test Channel = MCH

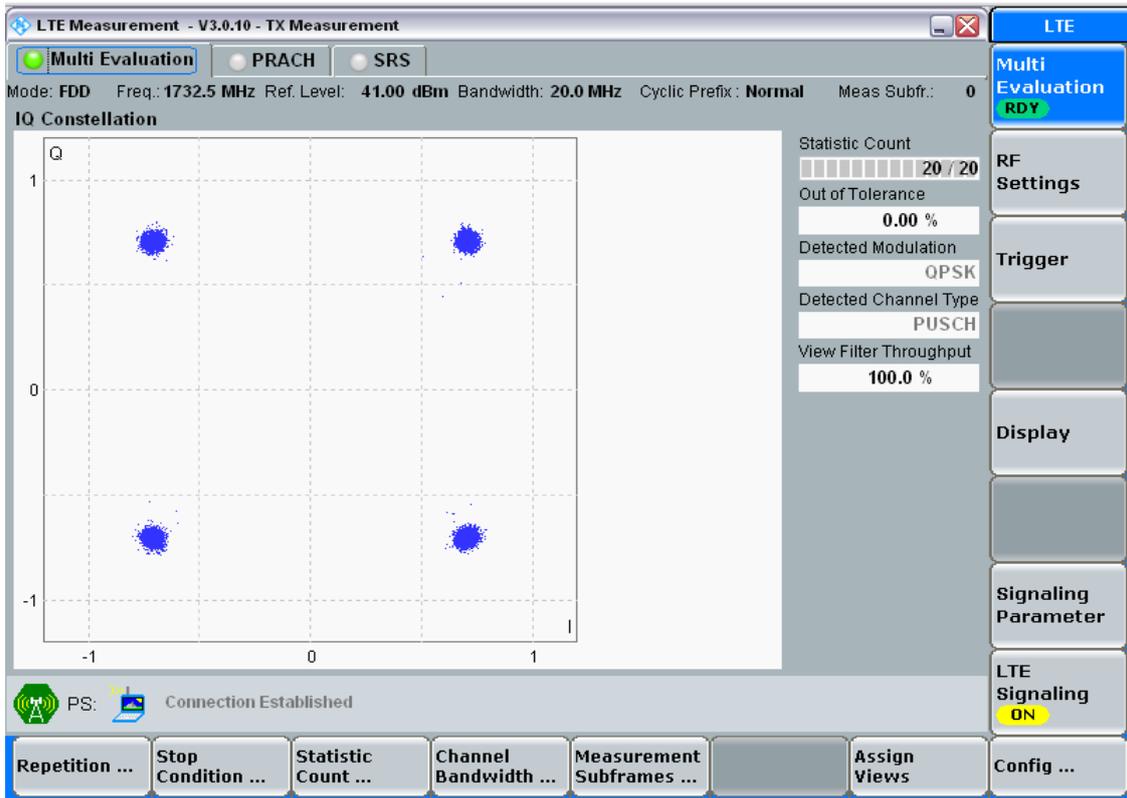
##### 3.1.1.1.5.1.1 Test RB = RB75#0



### 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

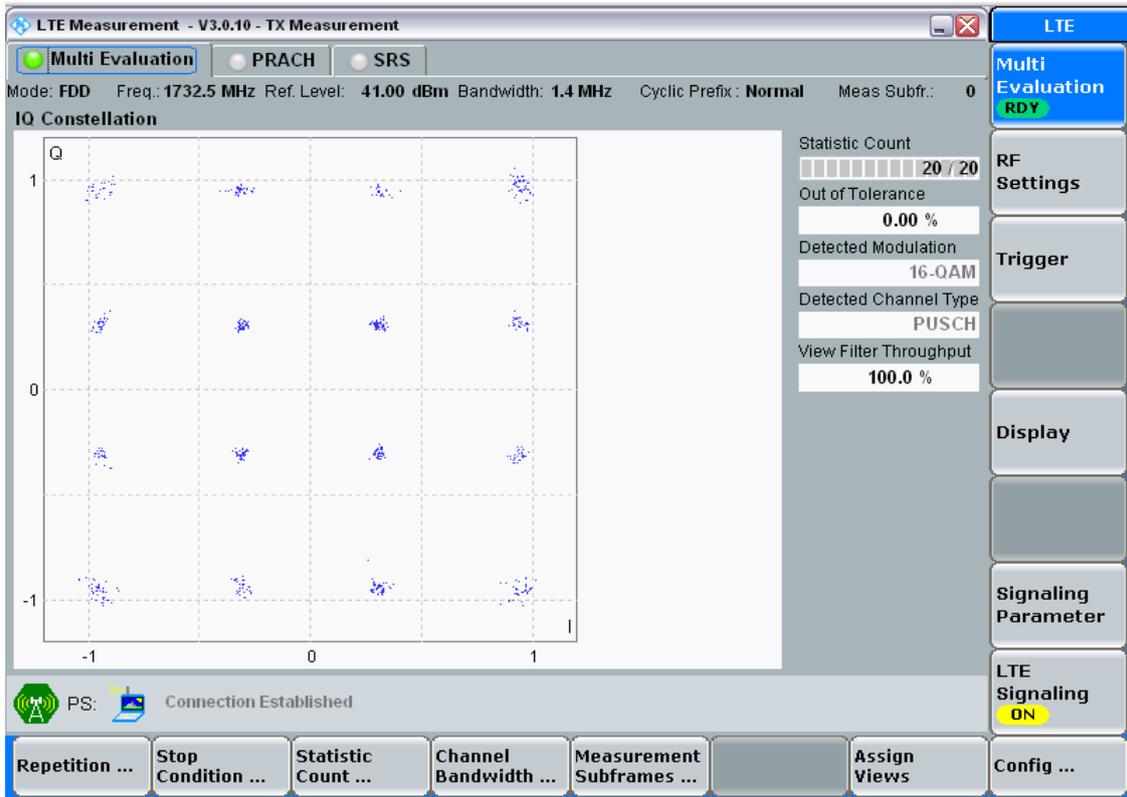


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

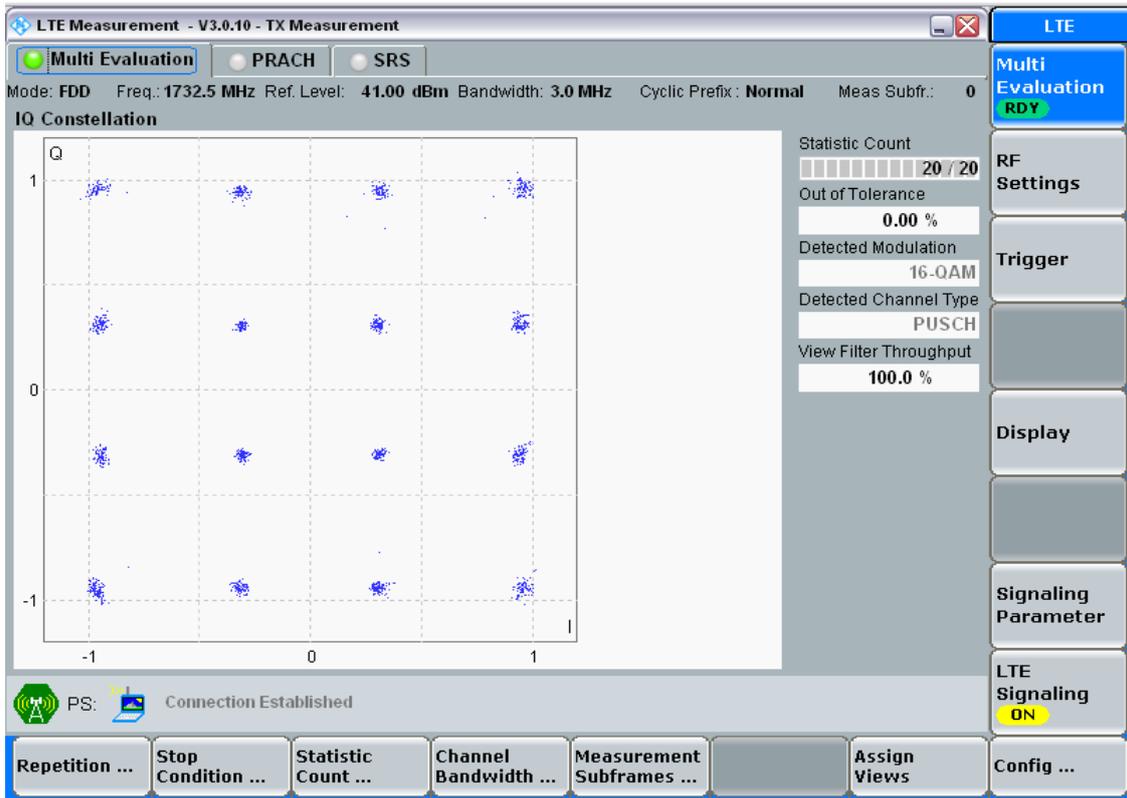
3.1.1.2.1.1.1 Test RB = RB6#0



### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

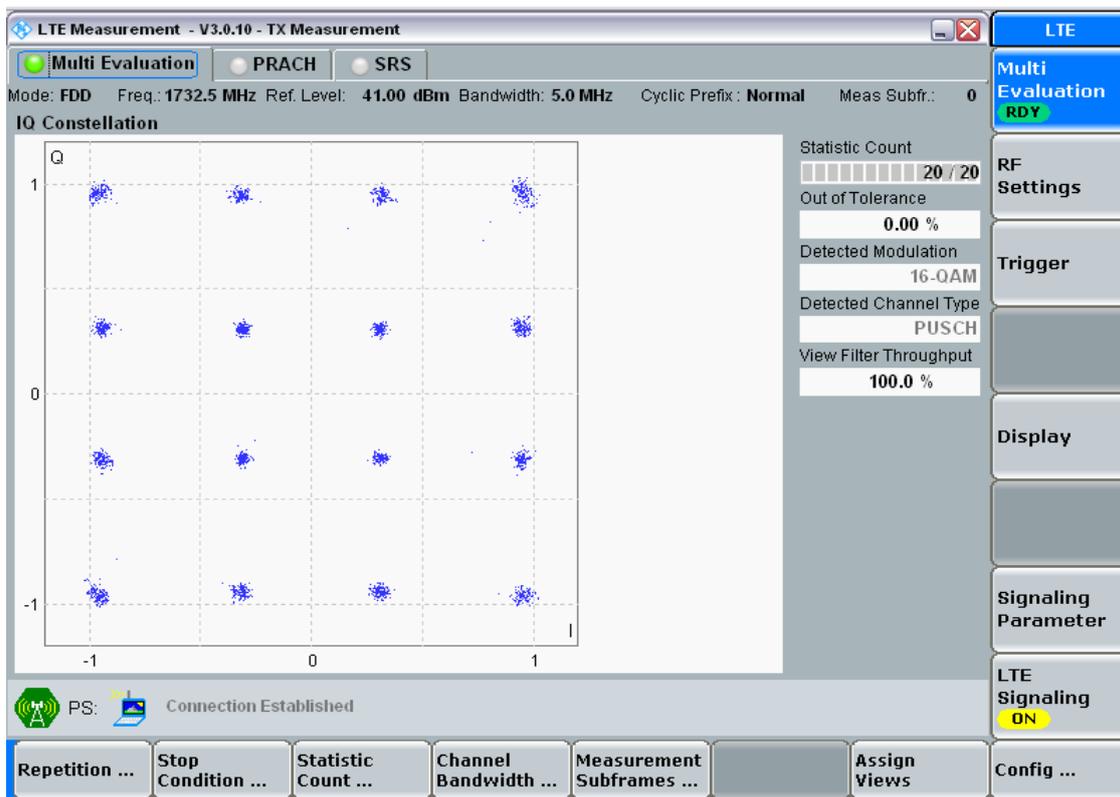
##### 3.1.1.2.2.1.1 Test RB = RB15#0



### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

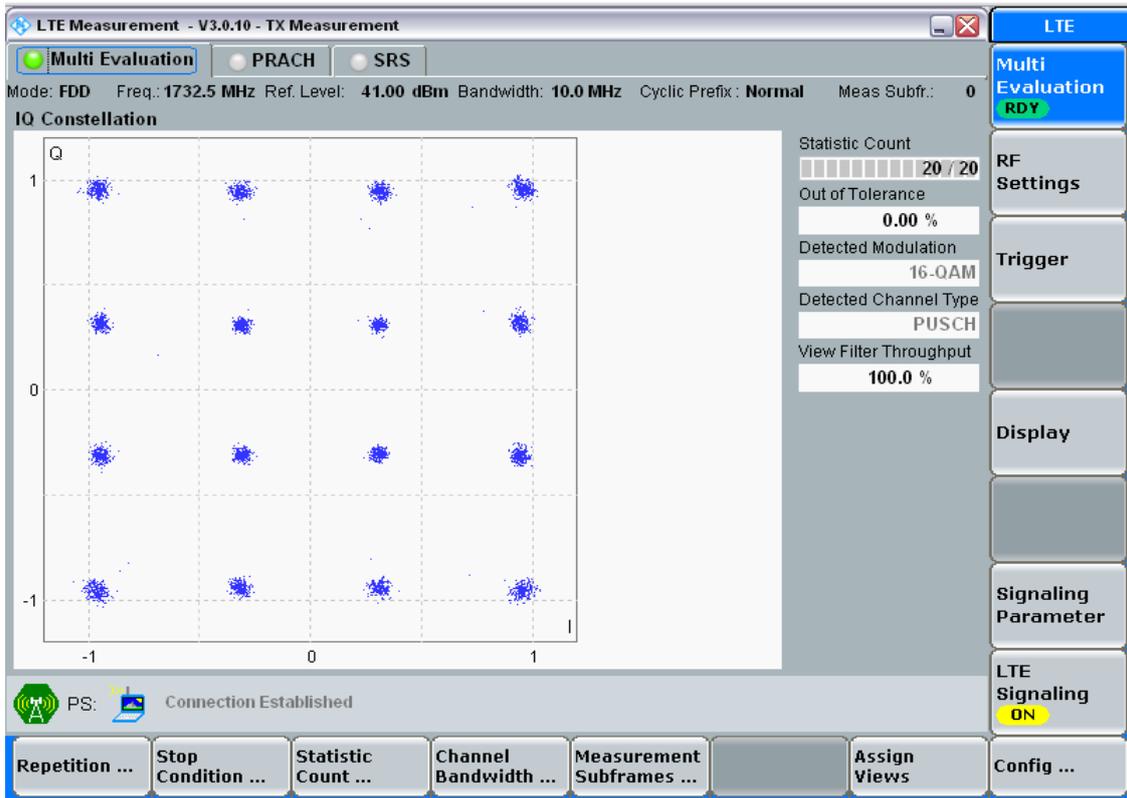
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

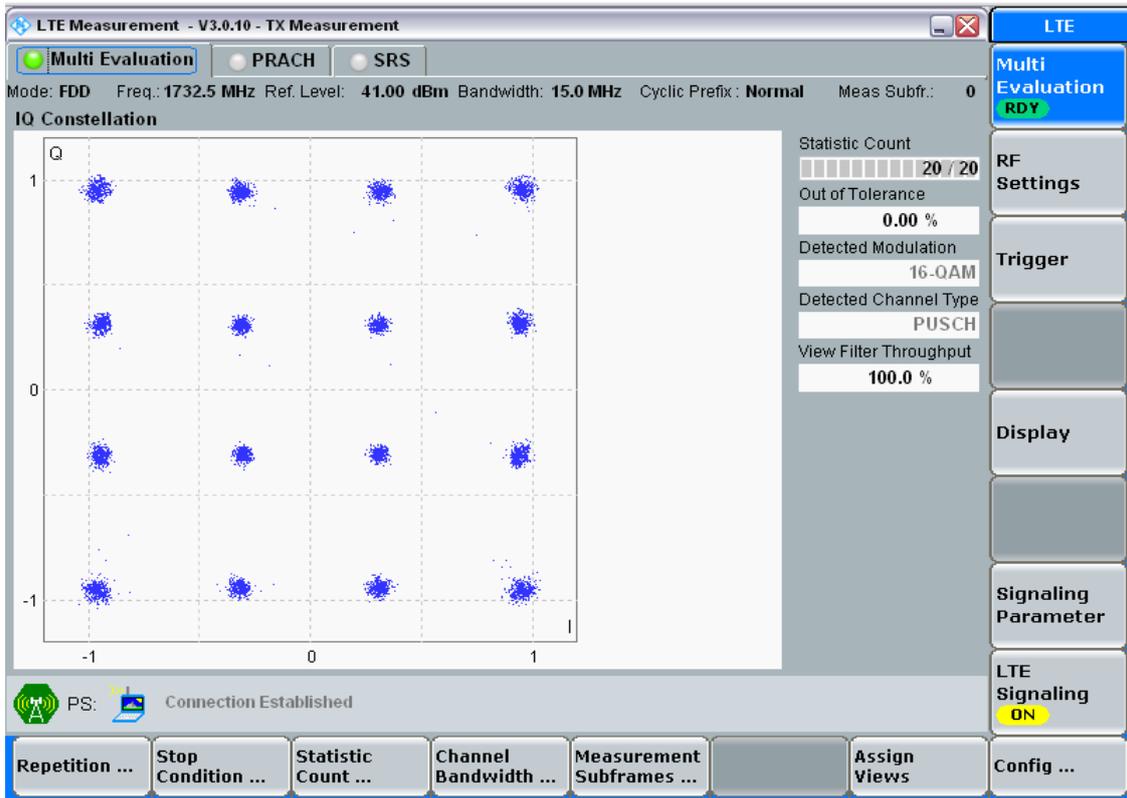
##### 3.1.1.2.4.1.1 Test RB = RB50#0



### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

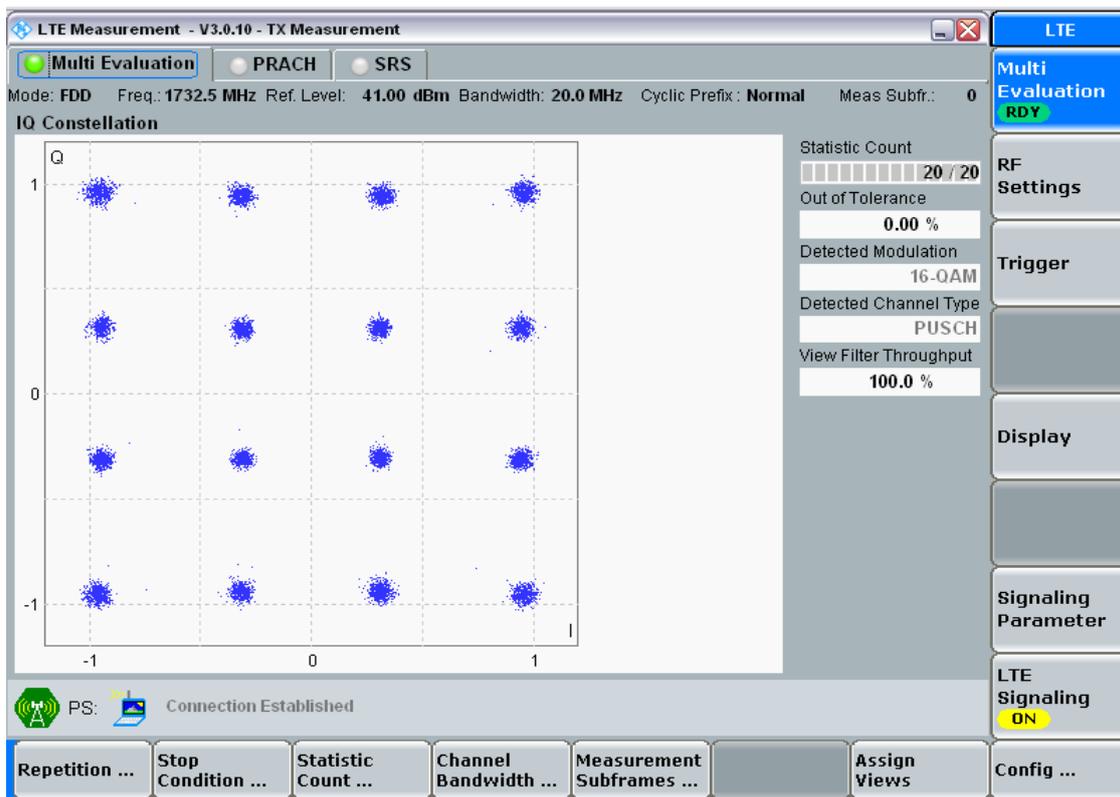
##### 3.1.1.2.5.1.1 Test RB = RB75#0



### 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                     | 1.27                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.09                     | 1.26                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.70                     | 2.91                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.70                     | 2.91                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.70                     | 2.92                     | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.51                     | 4.90                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.50                     | 4.90                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.51                     | 4.90                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.98                     | 9.58                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.99                     | 9.58                     | Pass    |
|           |           |                | HCH          | RB50#0  | 9.00                     | 9.59                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.44                    | 14.23                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.45                    | 14.27                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.49                    | 14.27                    | Pass    |
|           | 20        | LCH            | RB100#0      | 17.87   | 18.93                    | Pass                     |         |
|           |           | MCH            | RB100#0      | 17.90   | 18.94                    | Pass                     |         |
|           |           | HCH            | RB100#0      | 17.97   | 19.03                    | Pass                     |         |
|           | LTE/TM2   | 1.4            | LCH          | RB6#0   | 1.09                     | 1.27                     | Pass    |
|           |           |                | MCH          | RB6#0   | 1.09                     | 1.28                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.09                     | 1.28                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.70                     | 2.95                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.70                     | 2.94                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.70                     | 2.93                     | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.51                     | 4.90                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.50                     | 4.88                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 4.90                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.97                     | 9.58                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.97                     | 9.58                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.97                     | 9.61                     | Pass    |
| 15        |           | LCH            | RB75#0       | 13.44   | 14.29                    | Pass                     |         |
|           |           | MCH            | RB75#0       | 13.46   | 14.31                    | Pass                     |         |
|           |           | HCH            | RB75#0       | 13.48   | 14.32                    | Pass                     |         |
| 20        | LCH       | RB100#0        | 17.87        | 18.93   | Pass                     |                          |         |
|           | MCH       | RB100#0        | 17.90        | 18.94   | Pass                     |                          |         |
|           | HCH       | RB100#0        | 17.97        | 19.03   | Pass                     |                          |         |

**Part II - Test Plots**

**4.1 For LTE**

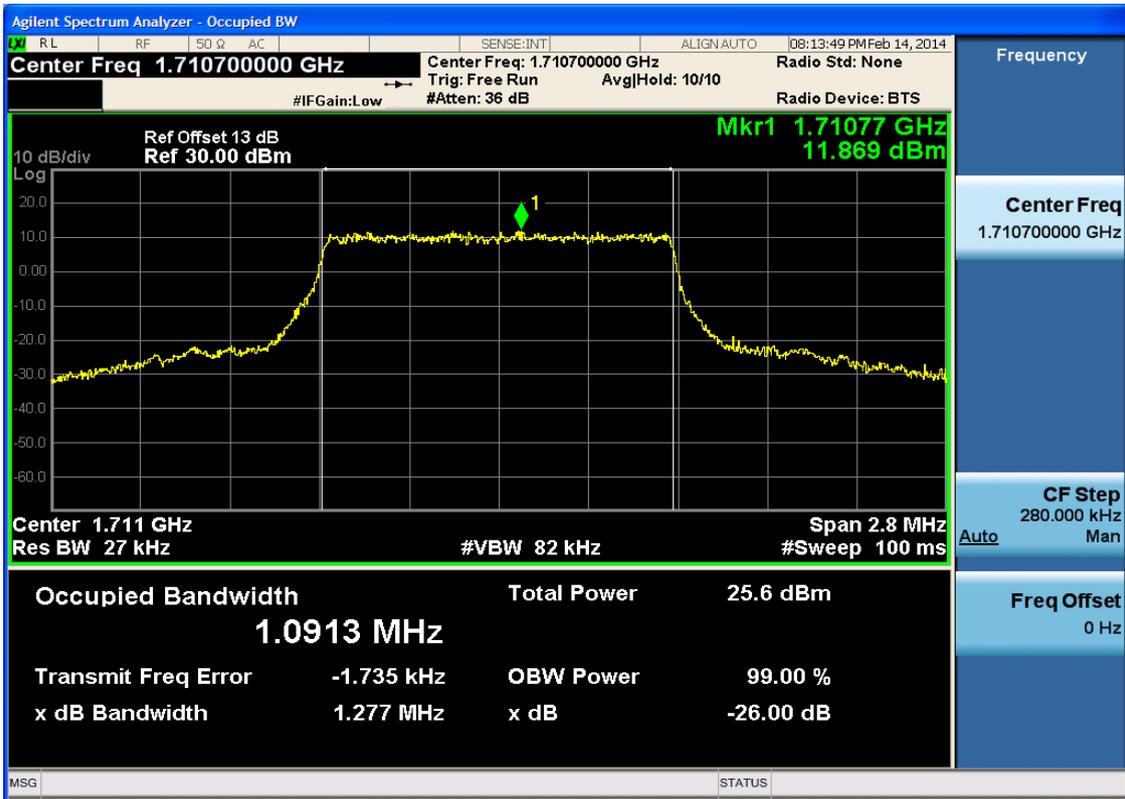
**4.1.1 Test Band = BAND4**

**4.1.1.1 Test Mode = LTE/TM1**

**4.1.1.1.1 Test Bandwidth = 1.4**

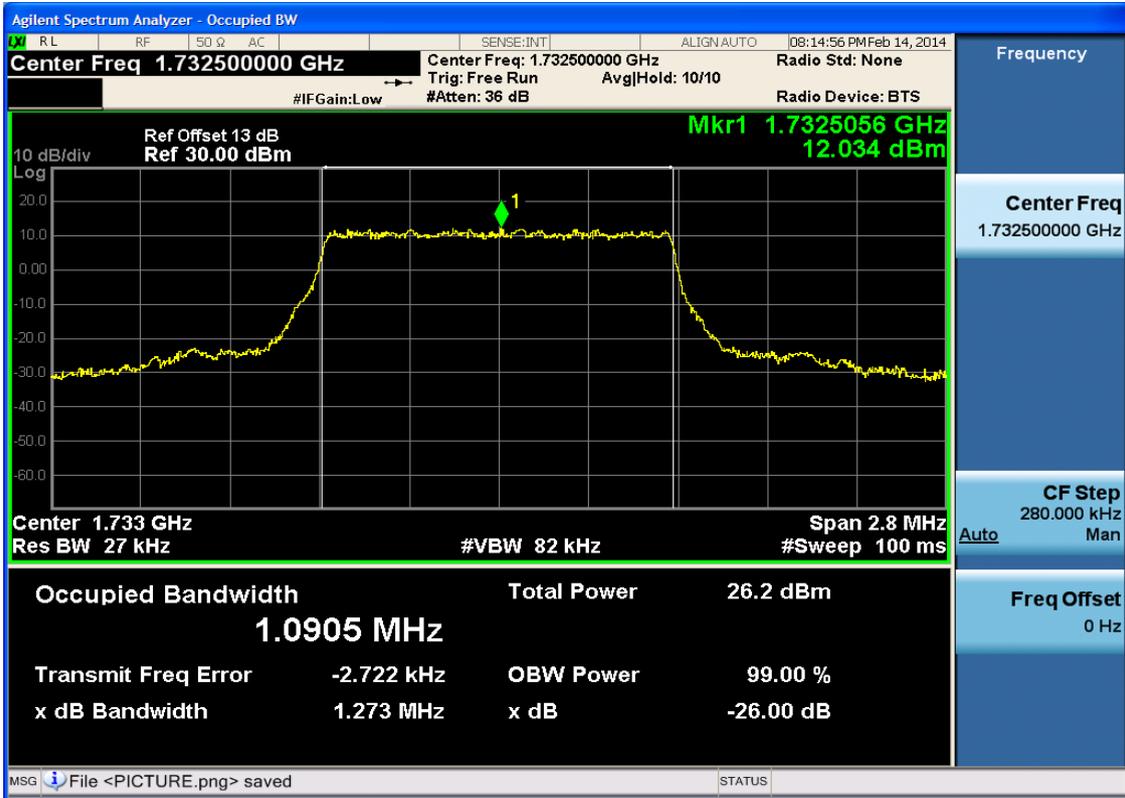
**4.1.1.1.1.1 Test Channel = LCH**

**4.1.1.1.1.1.1 Test RB = RB6#0**



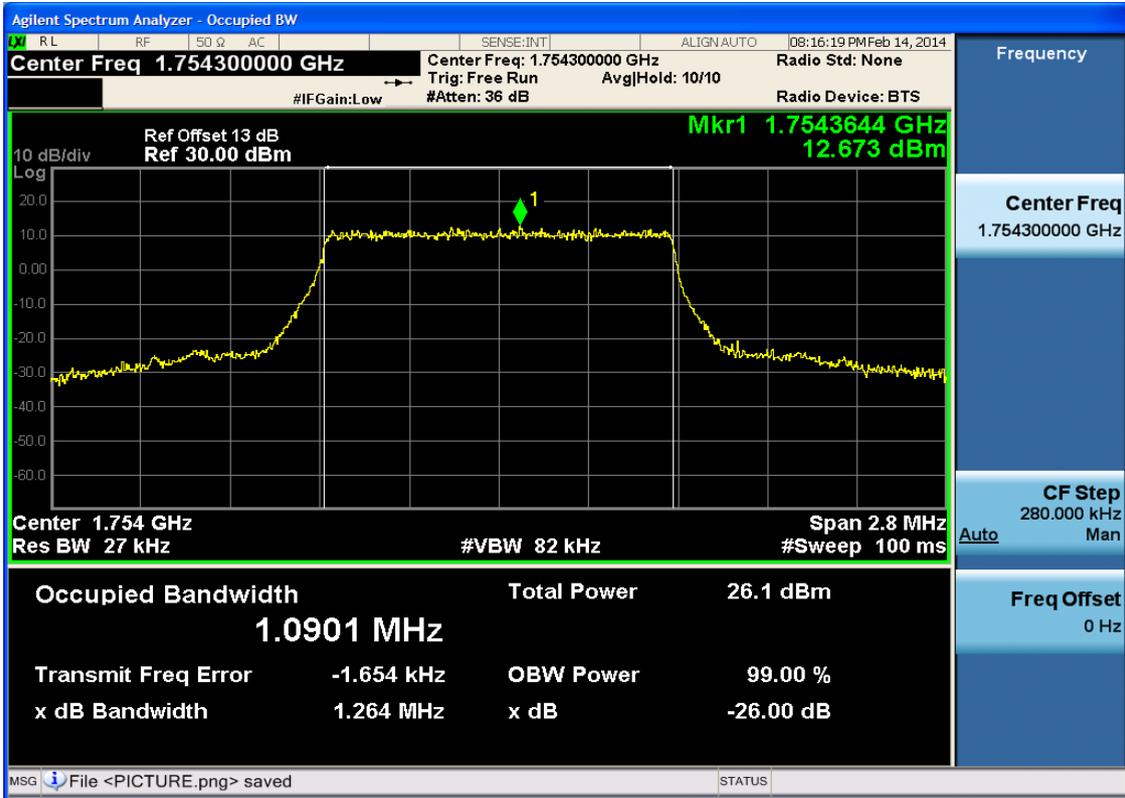
4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB6#0



4.1.1.1.1.3 Test Channel = HCH

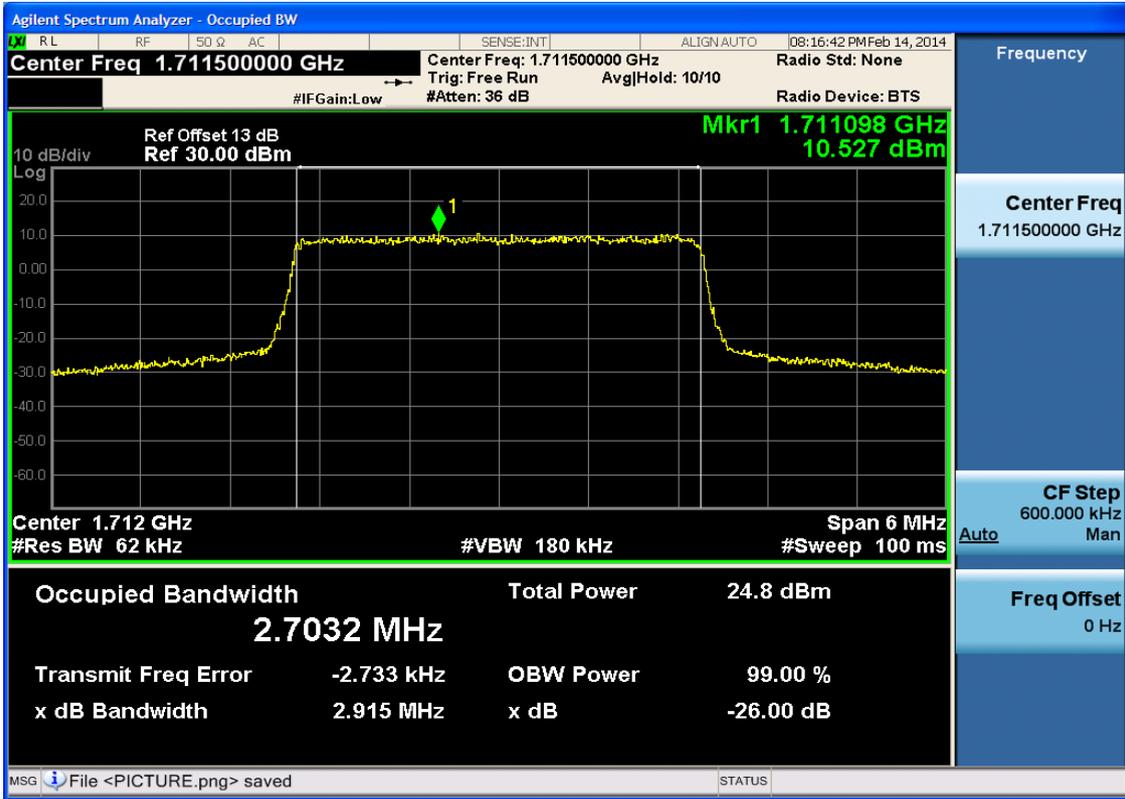
4.1.1.1.1.3.1 Test RB = RB6#0



4.1.1.1.2 Test Bandwidth = 3

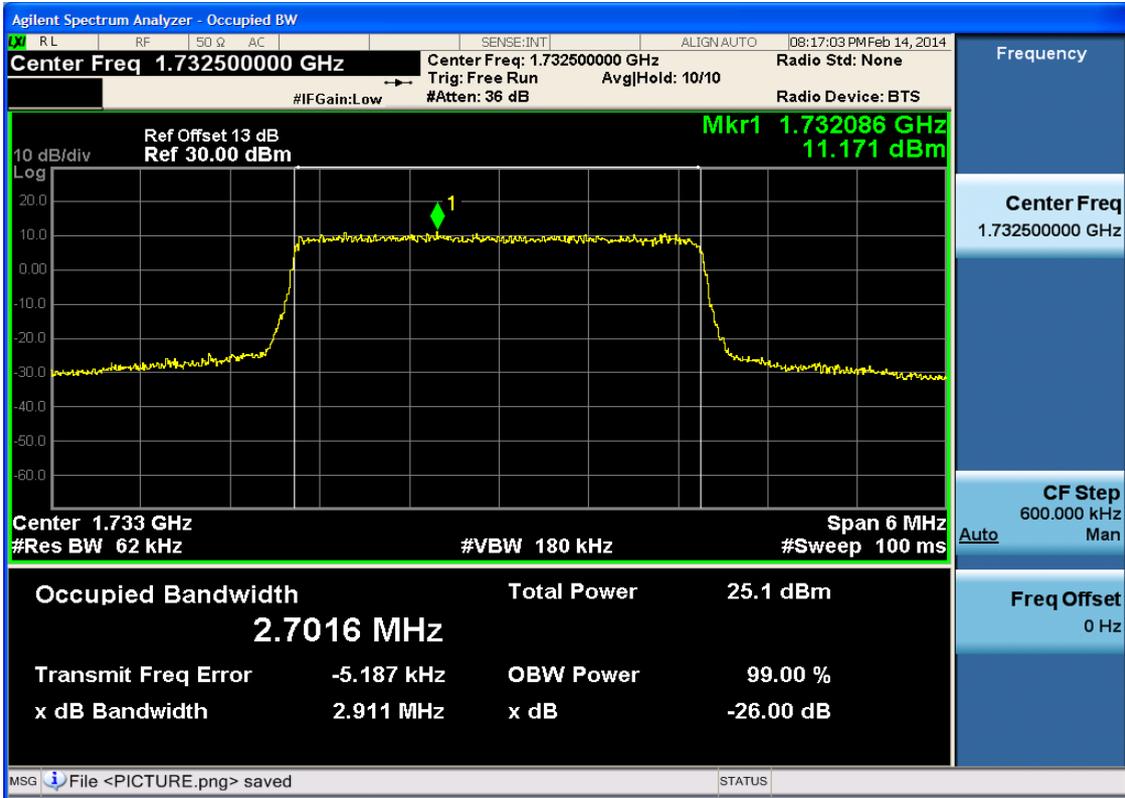
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



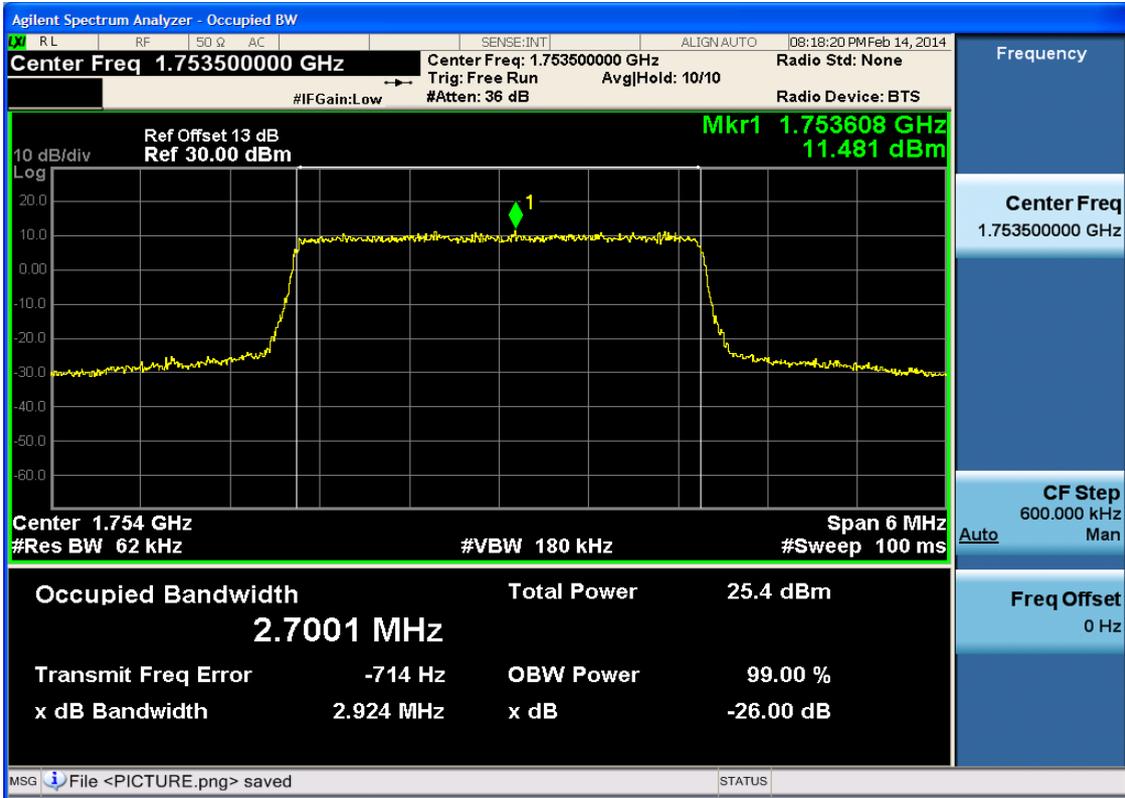
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB15#0



4.1.1.1.2.3 Test Channel = HCH

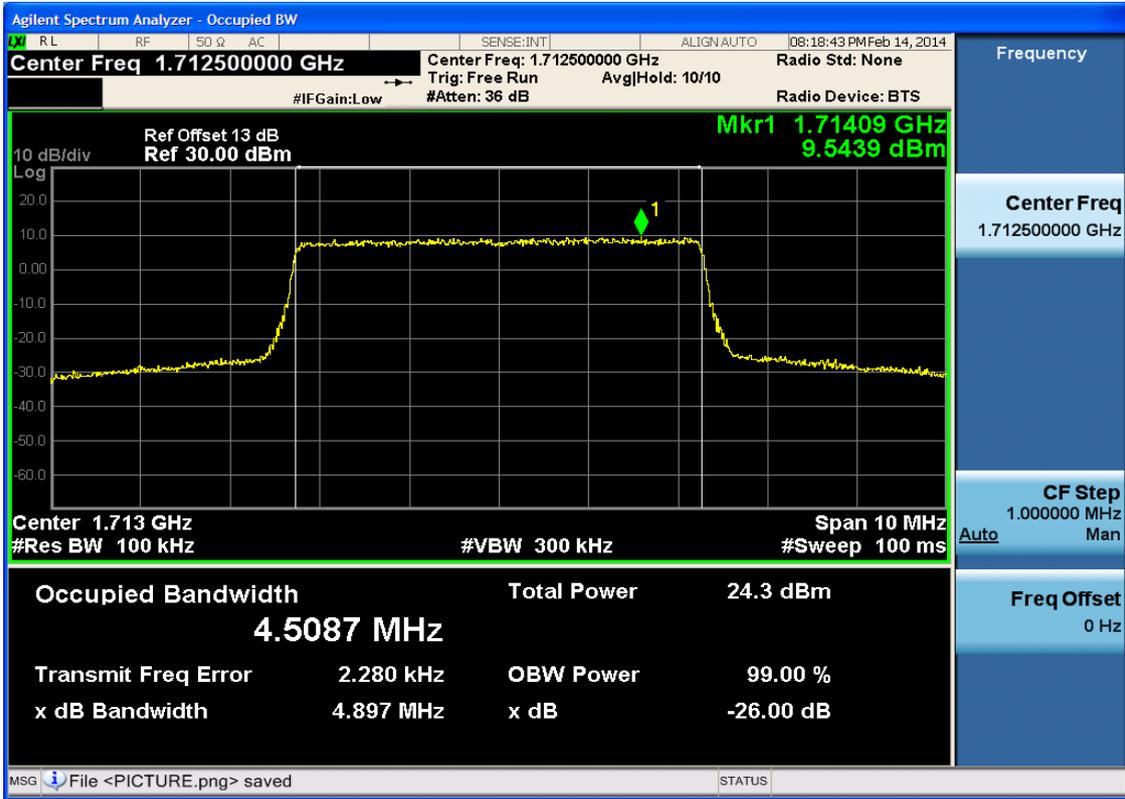
4.1.1.1.2.3.1 Test RB = RB15#0



4.1.1.1.3 Test Bandwidth = 5

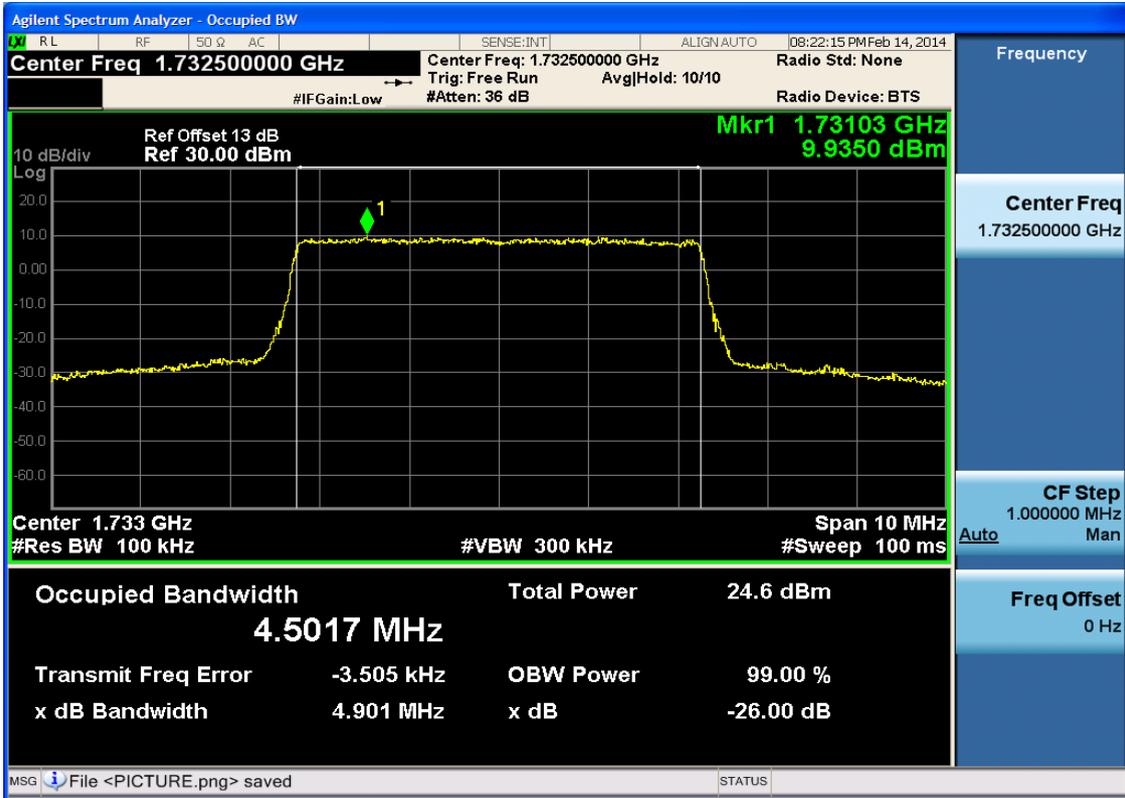
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



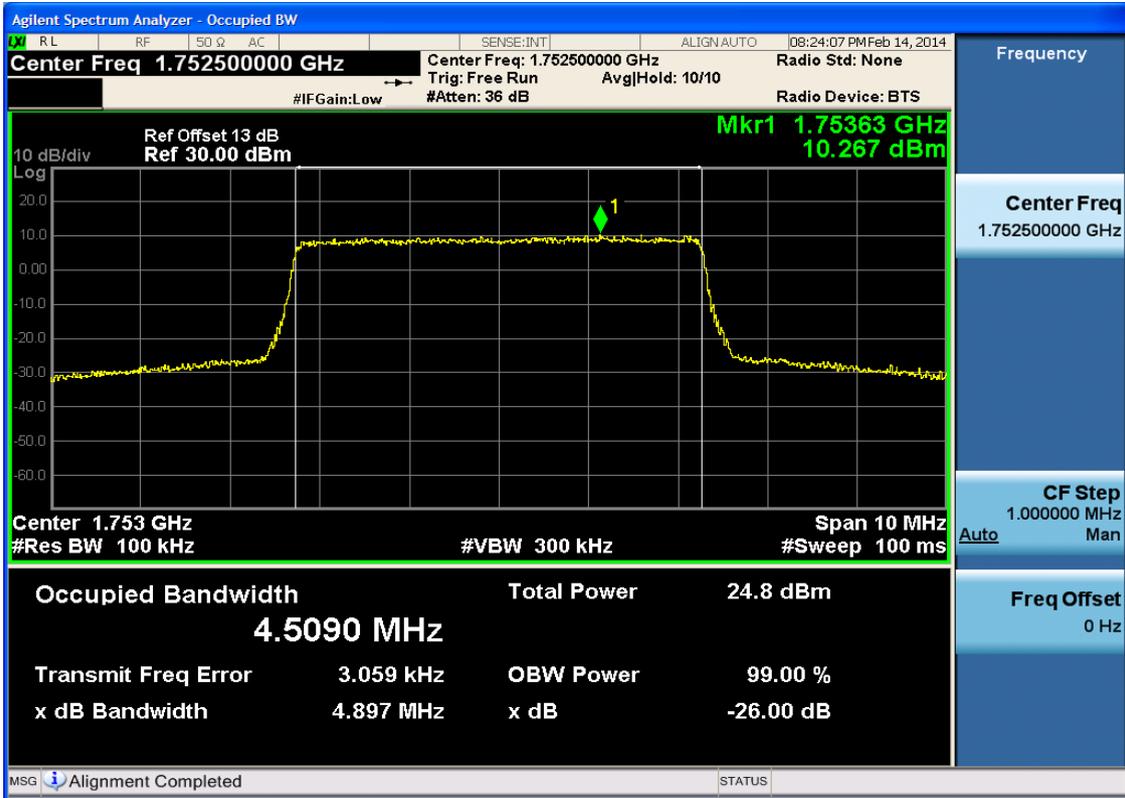
4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0



4.1.1.1.3.3 Test Channel = HCH

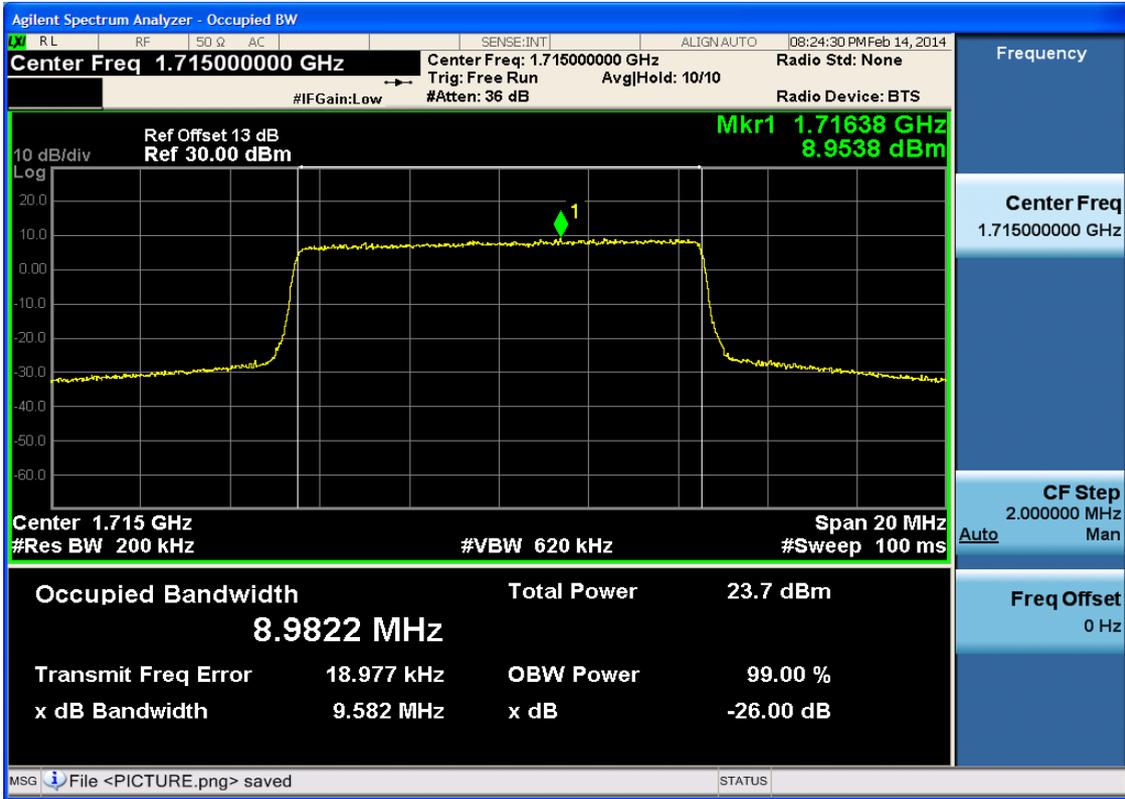
4.1.1.1.3.3.1 Test RB = RB25#0



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

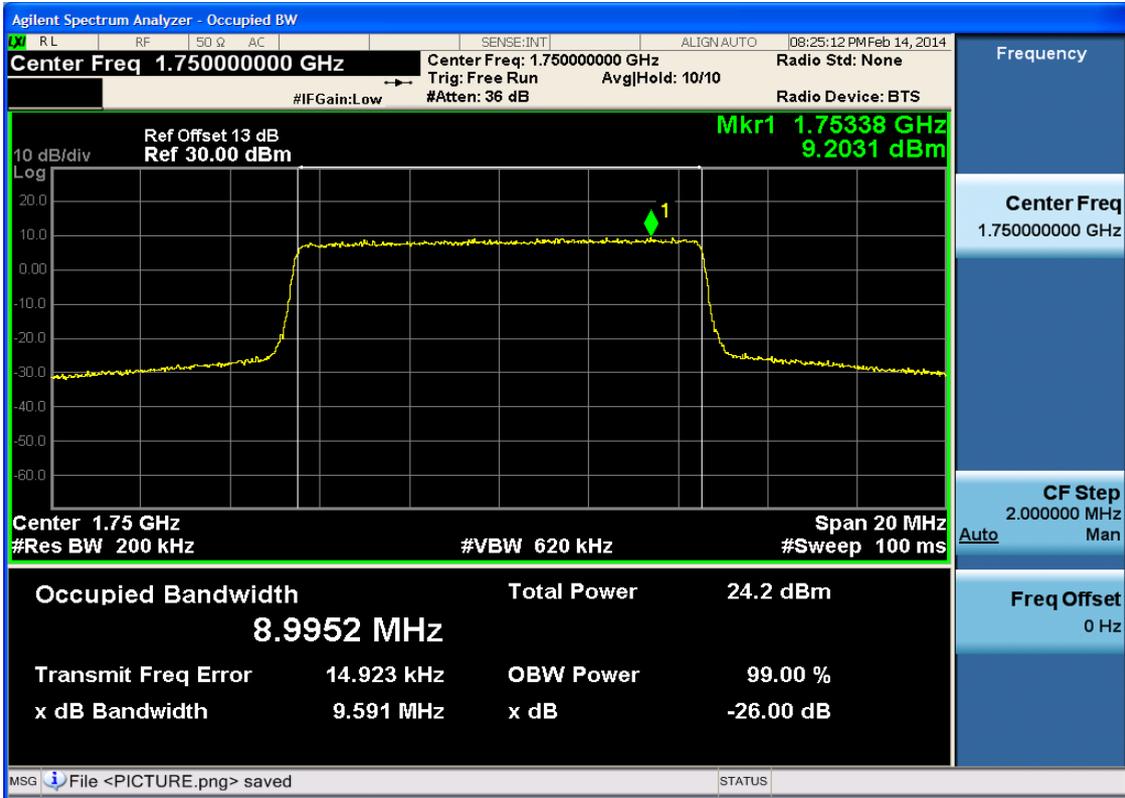
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

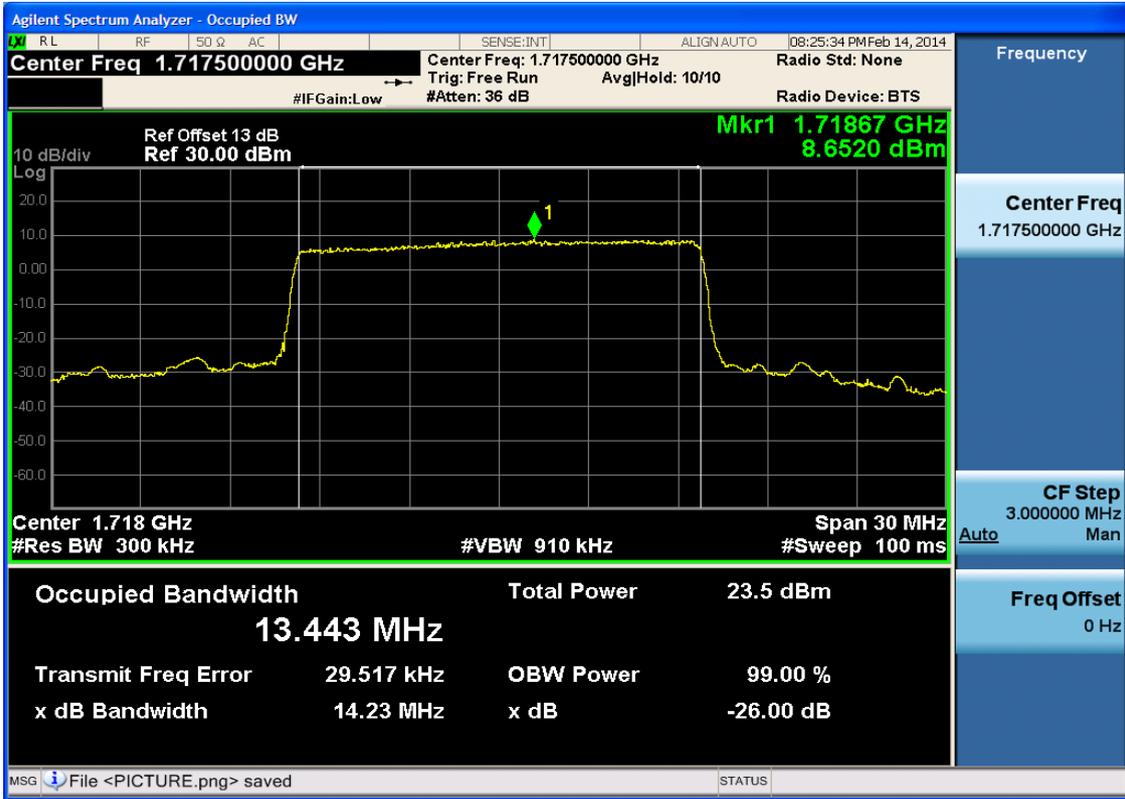
4.1.1.1.4.3.1 Test RB = RB50#0



4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

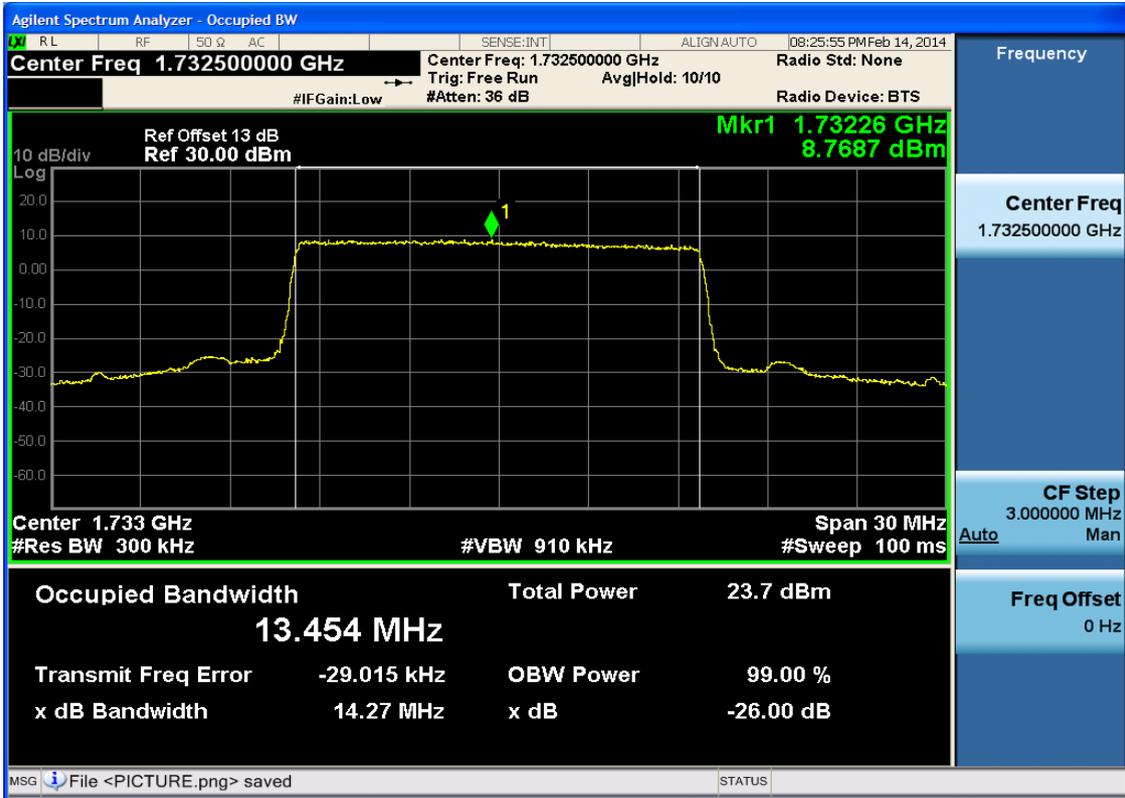
4.1.1.1.5.1.1 Test RB = RB75#0





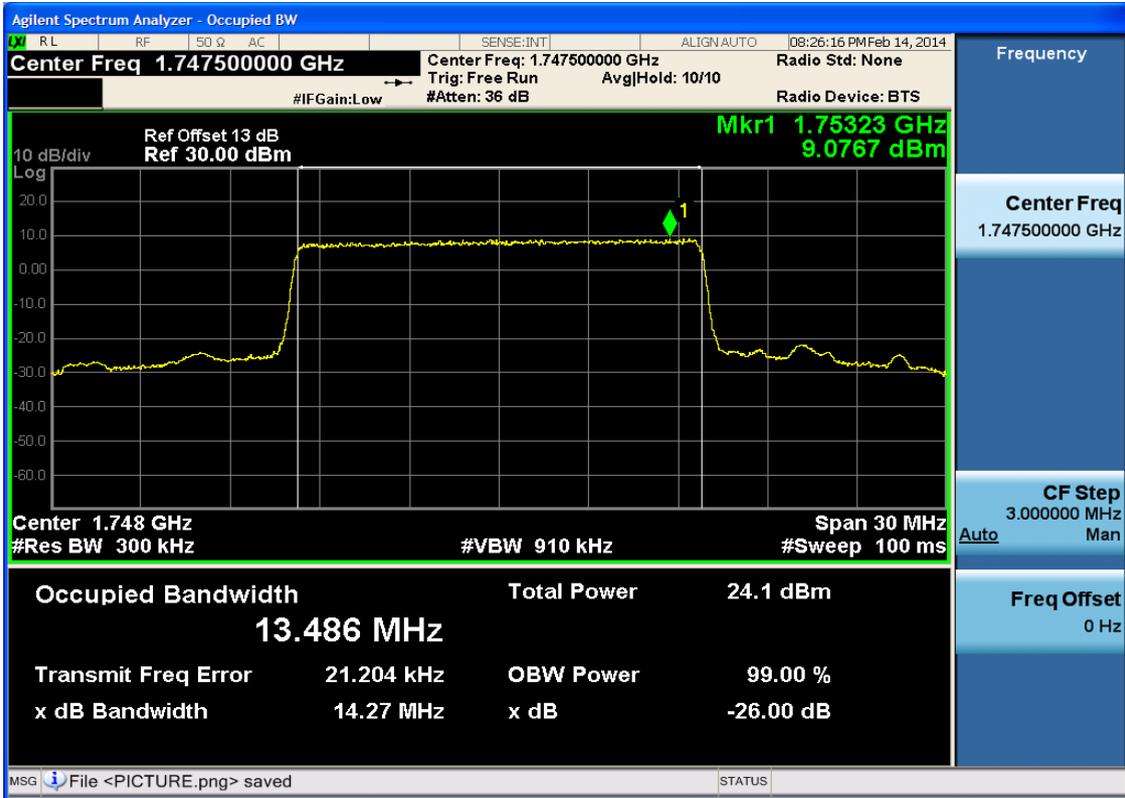
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0



4.1.1.1.5.3 Test Channel = HCH

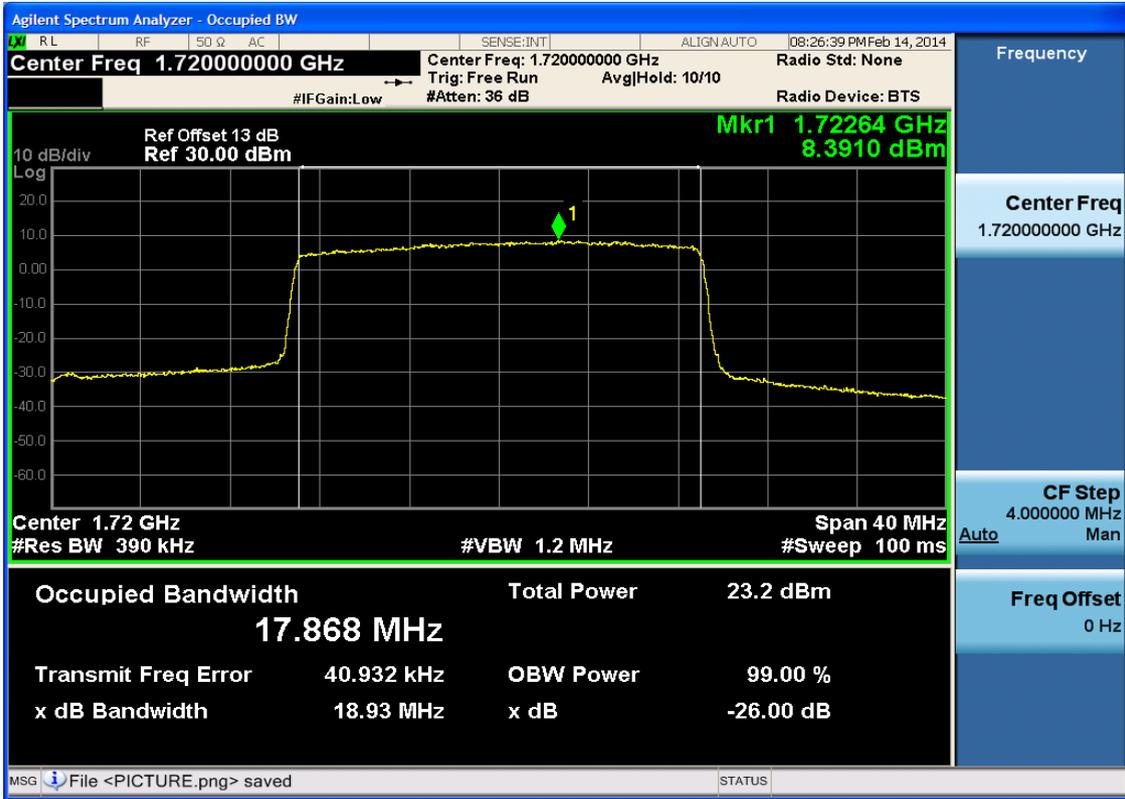
4.1.1.1.5.3.1 Test RB = RB75#0



4.1.1.1.6 Test Bandwidth = 20

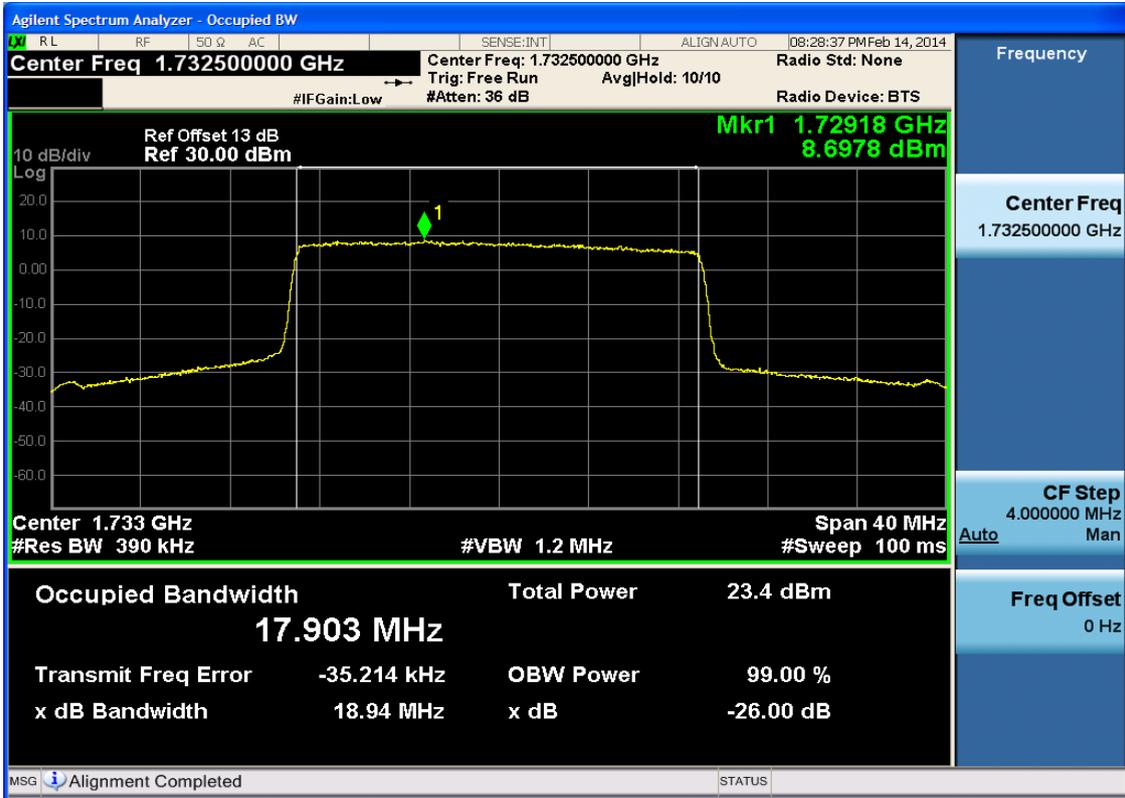
4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0



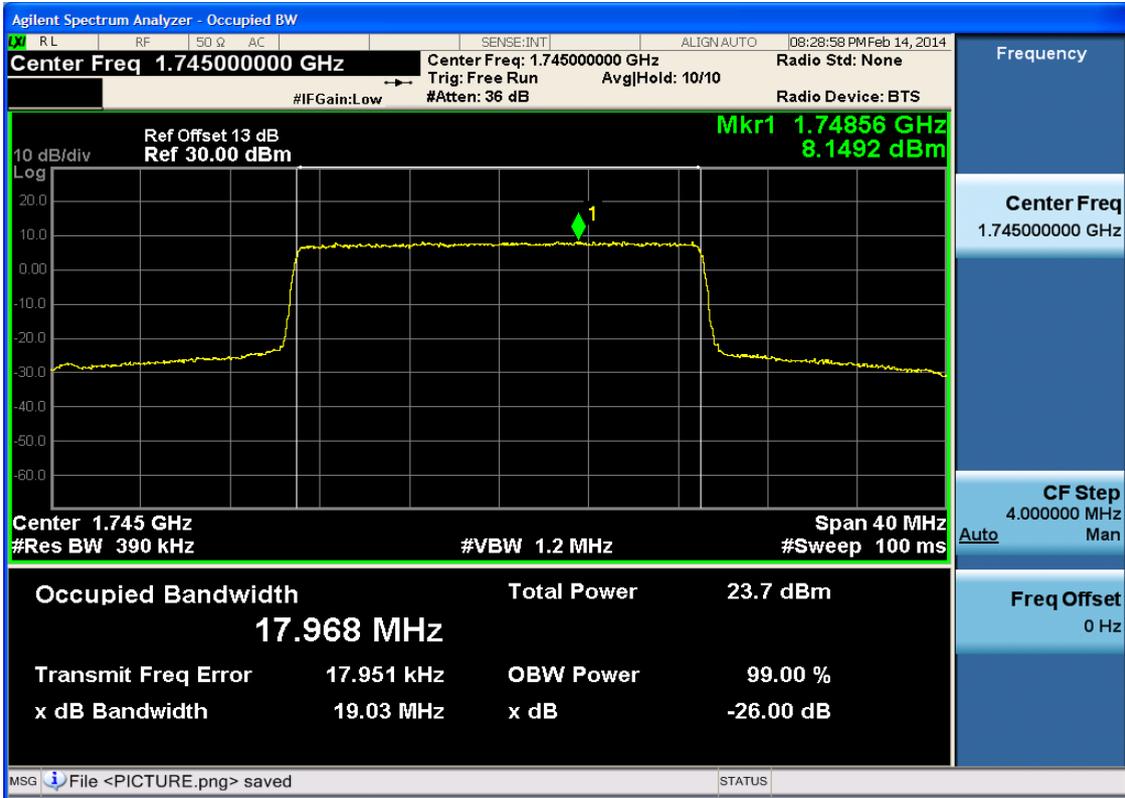
4.1.1.1.6.2 Test Channel = MCH

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

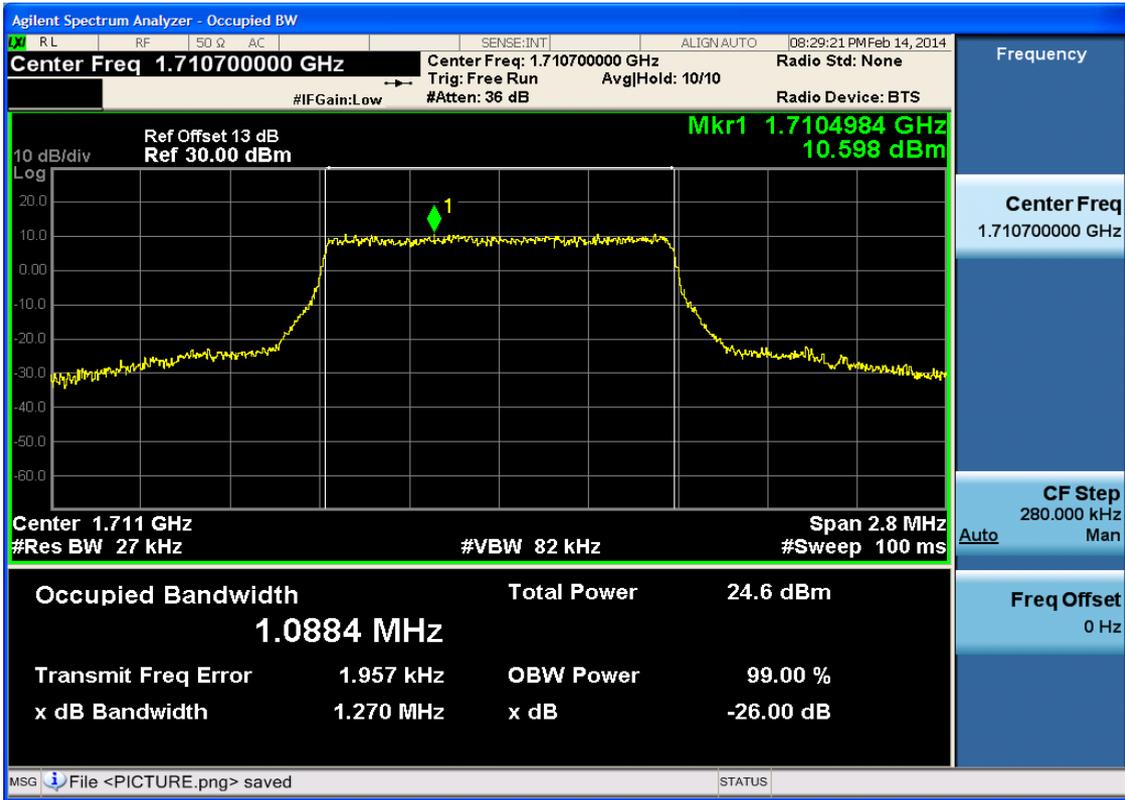


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

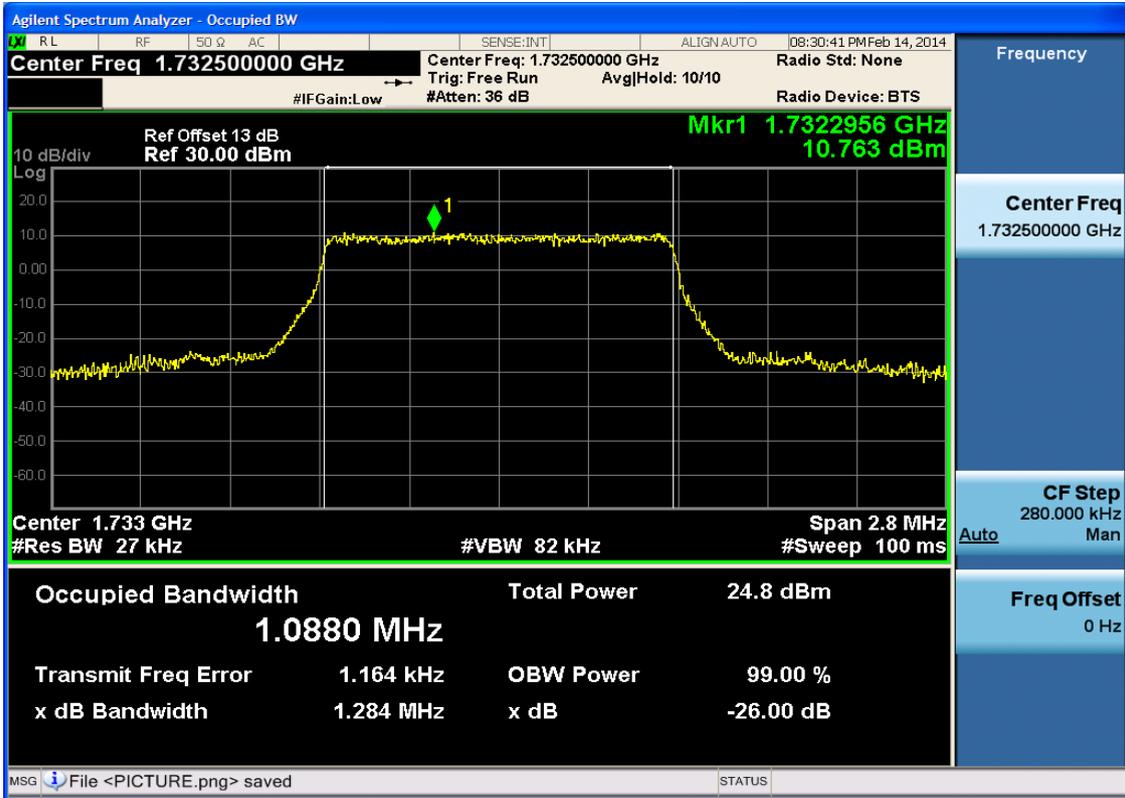
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0



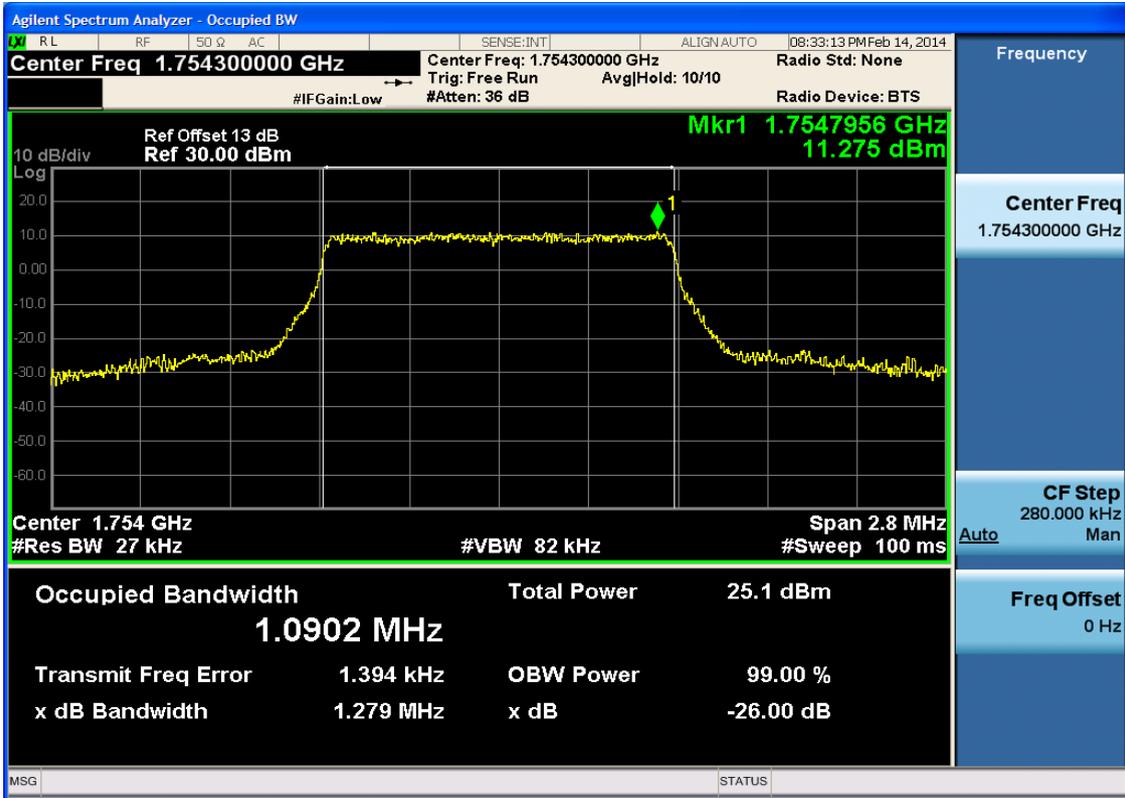
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0



4.1.1.2.1.3 Test Channel = HCH

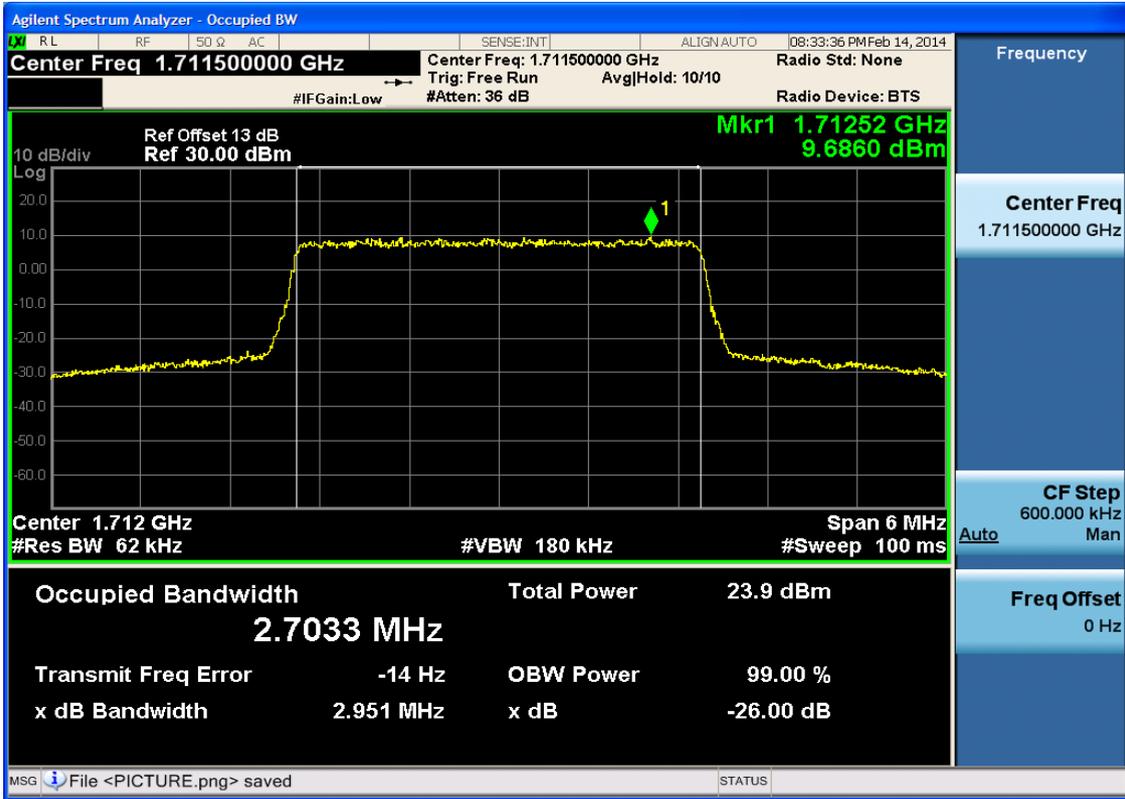
4.1.1.2.1.3.1 Test RB = RB6#0



4.1.1.2.2 Test Bandwidth = 3

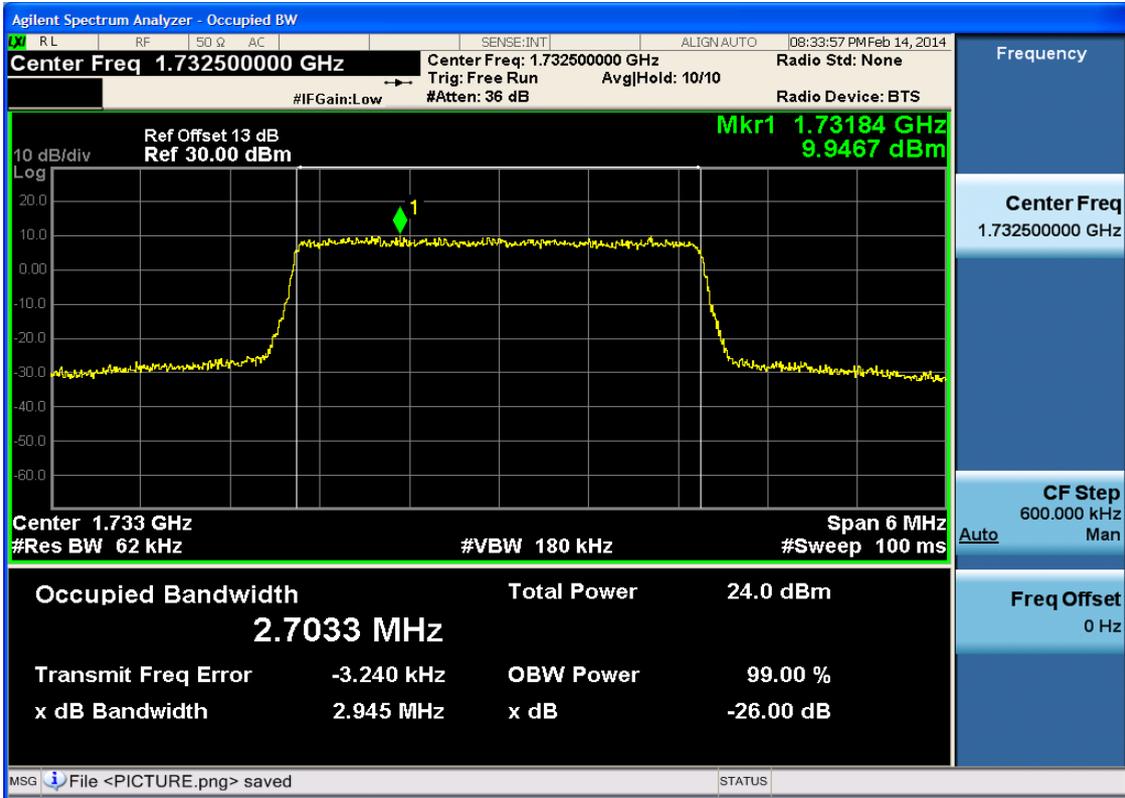
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



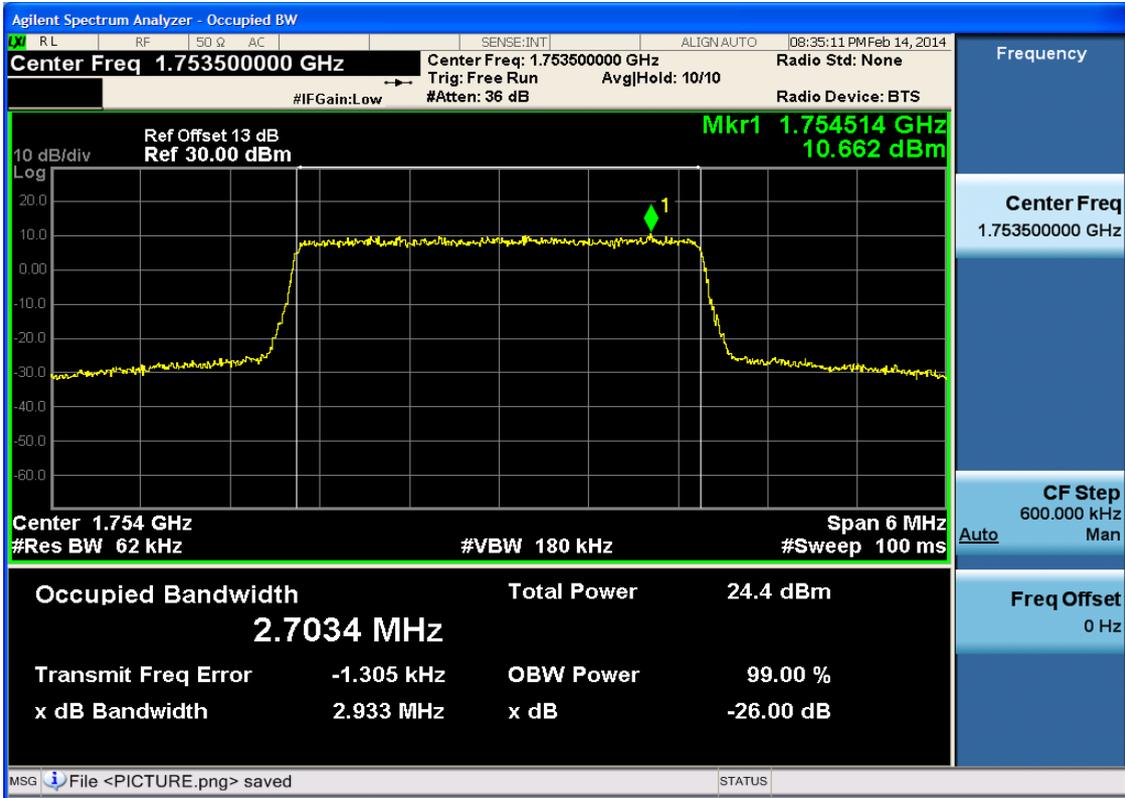
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0



4.1.1.2.2.3 Test Channel = HCH

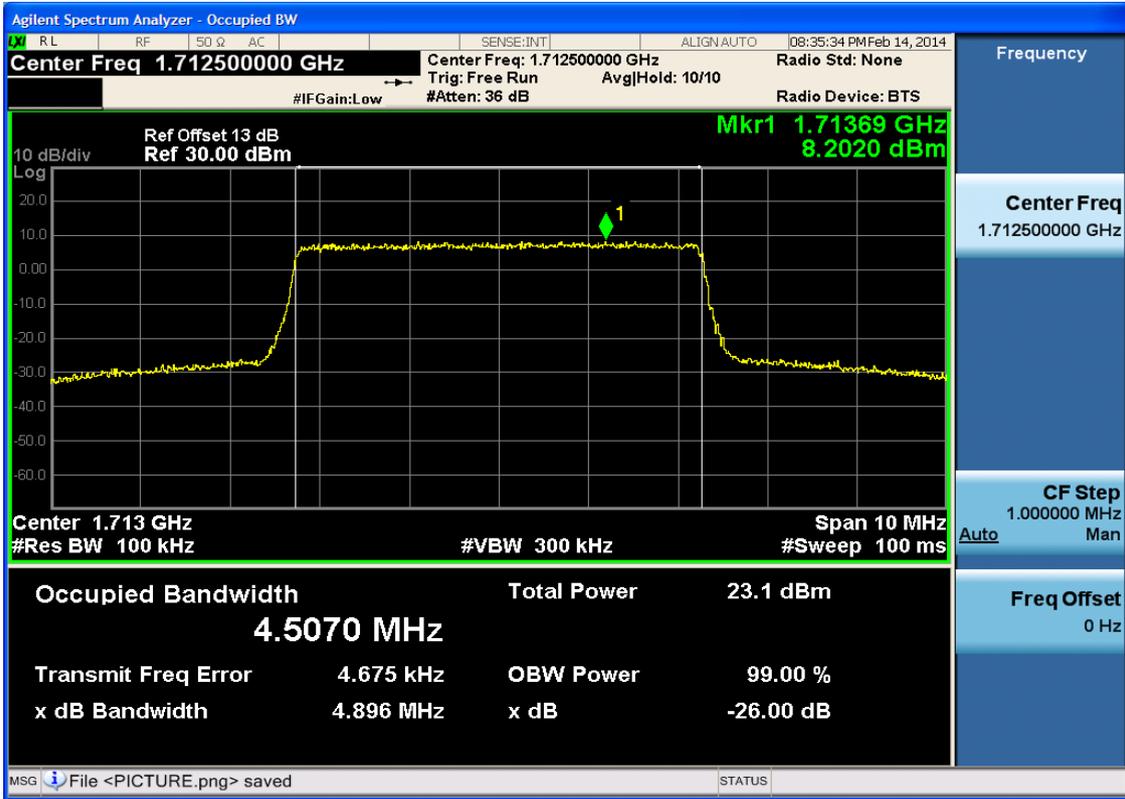
4.1.1.2.2.3.1 Test RB = RB15#0



4.1.1.2.3 Test Bandwidth = 5

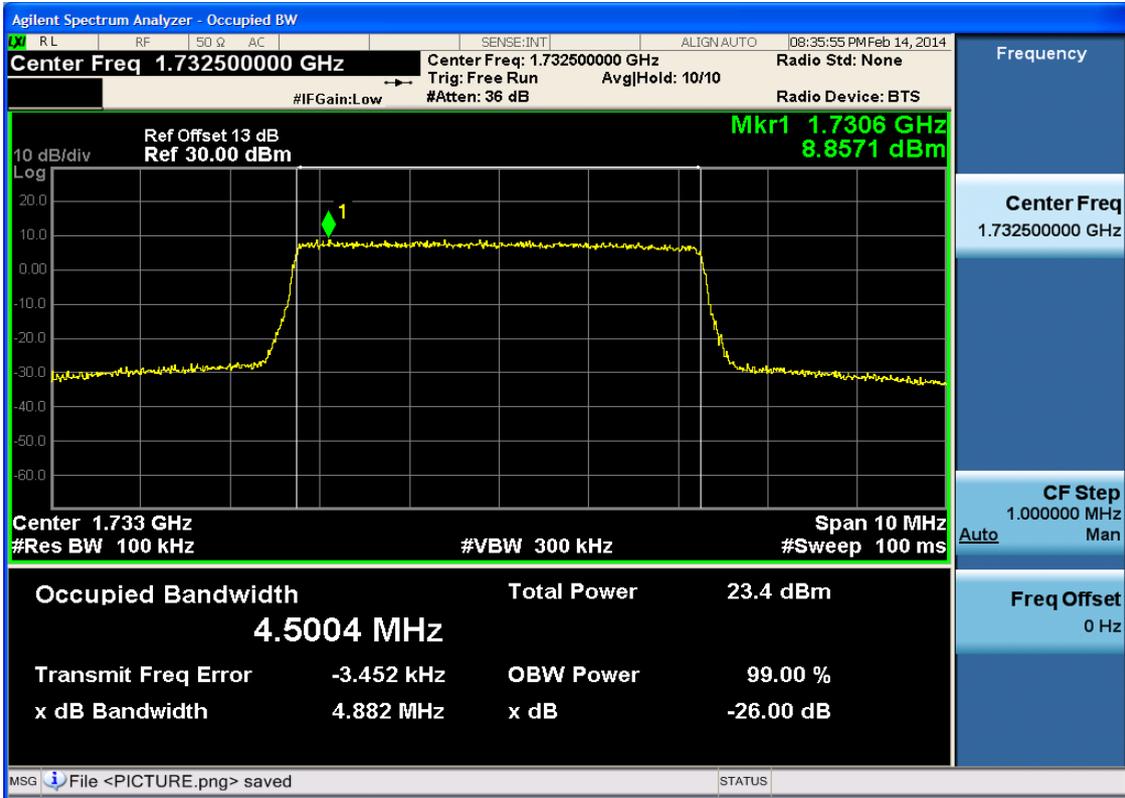
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



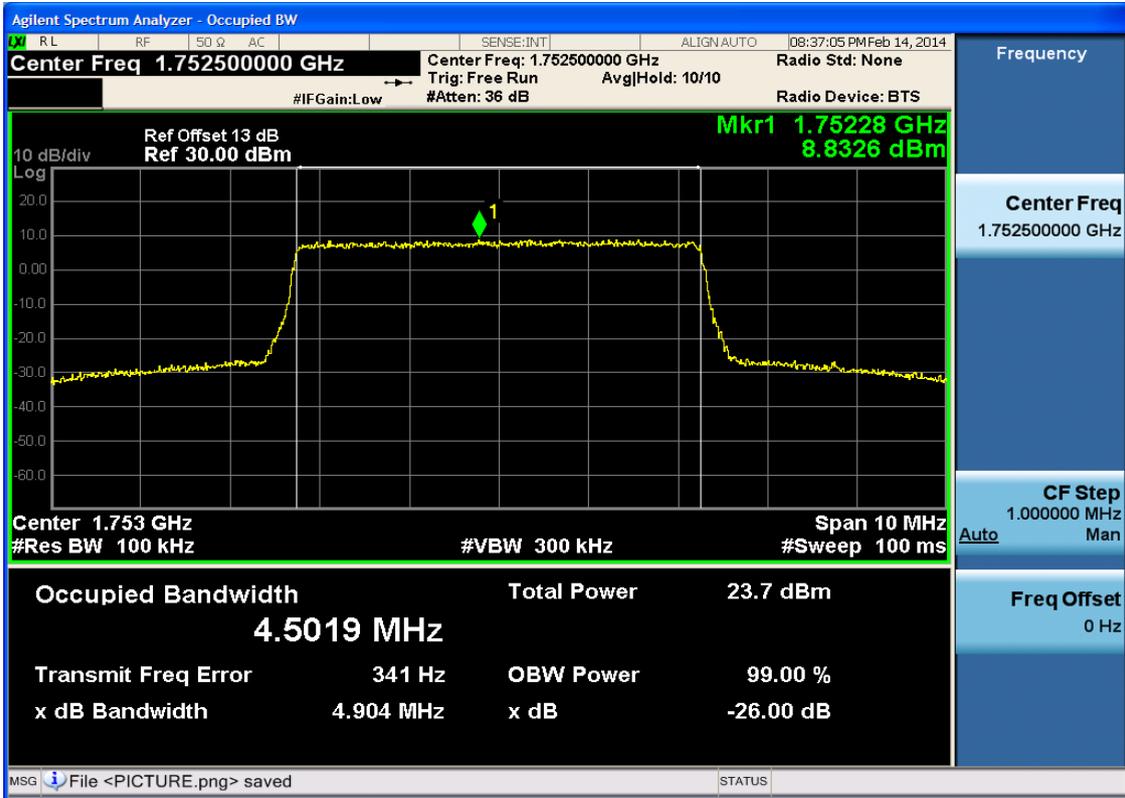
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0



4.1.1.2.3.3 Test Channel = HCH

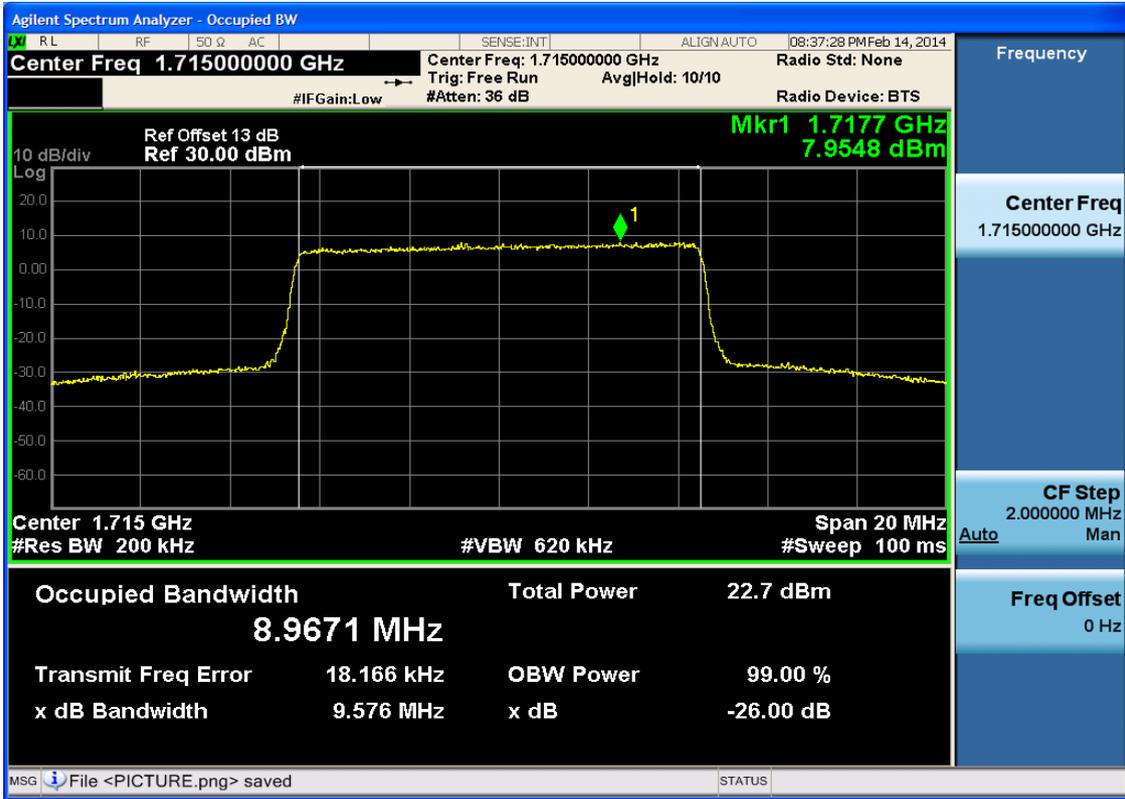
4.1.1.2.3.3.1 Test RB = RB25#0



4.1.1.2.4 Test Bandwidth = 10

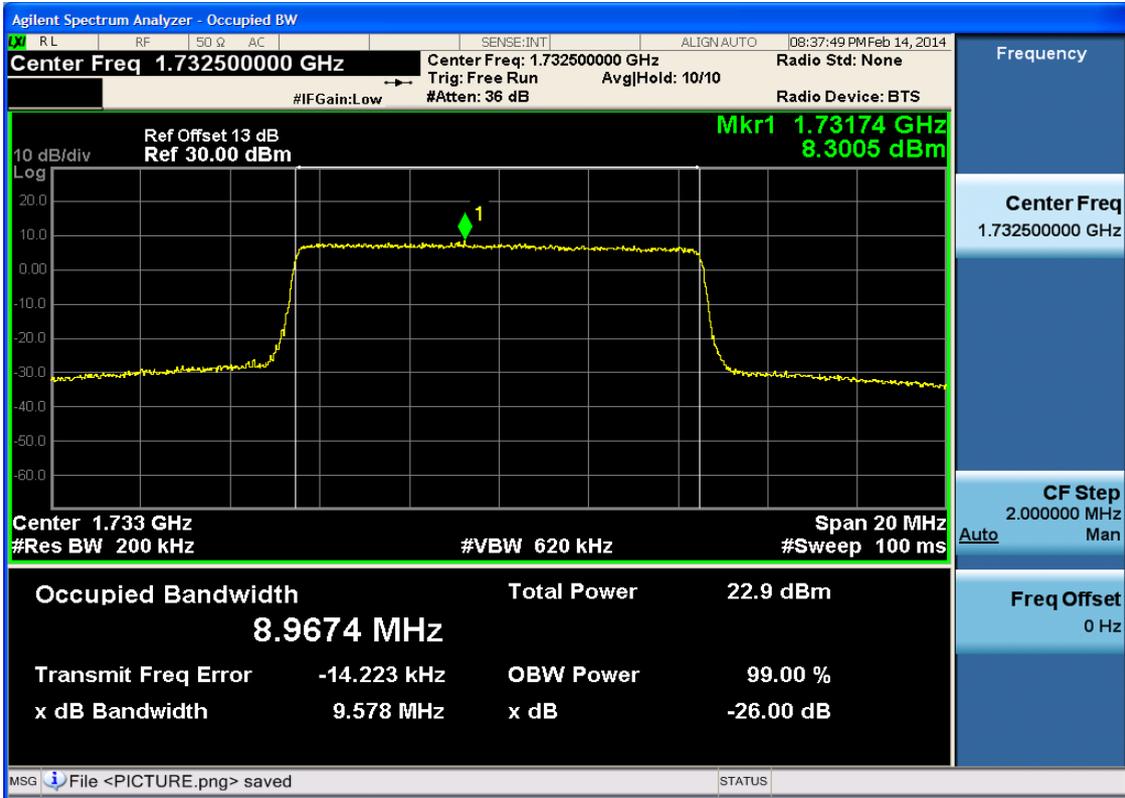
4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB50#0



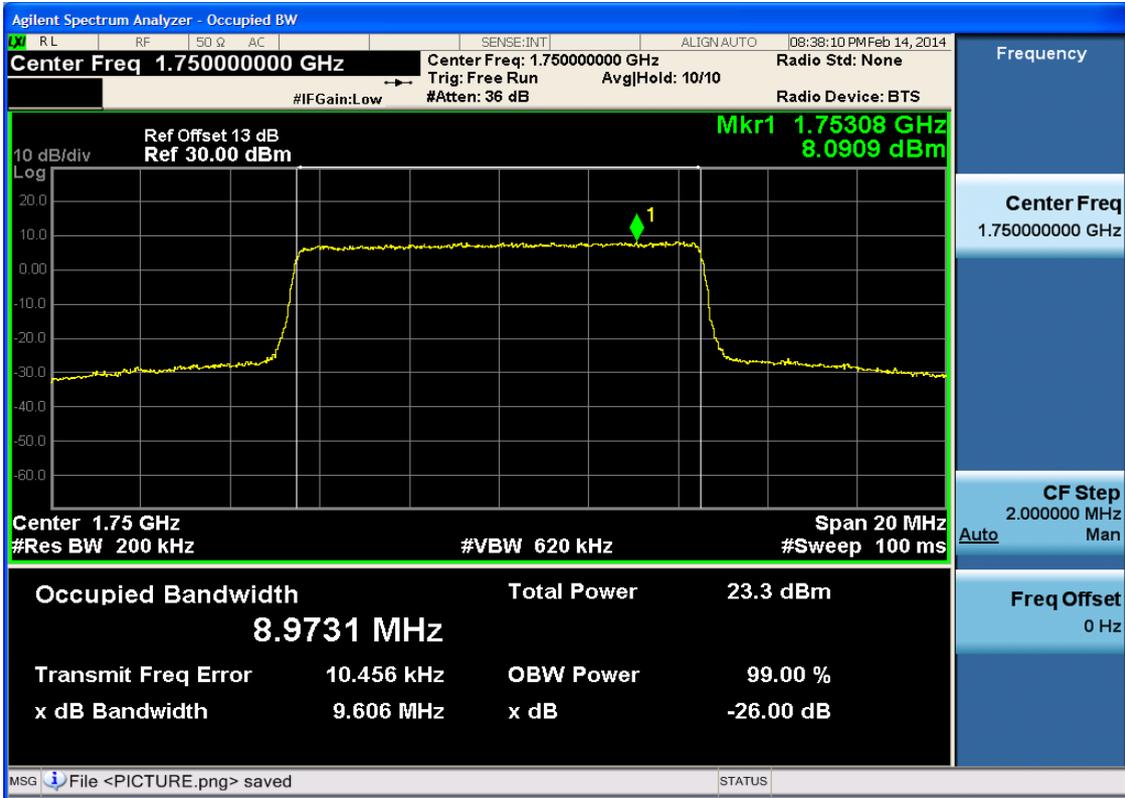
4.1.1.2.4.2 Test Channel = MCH

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

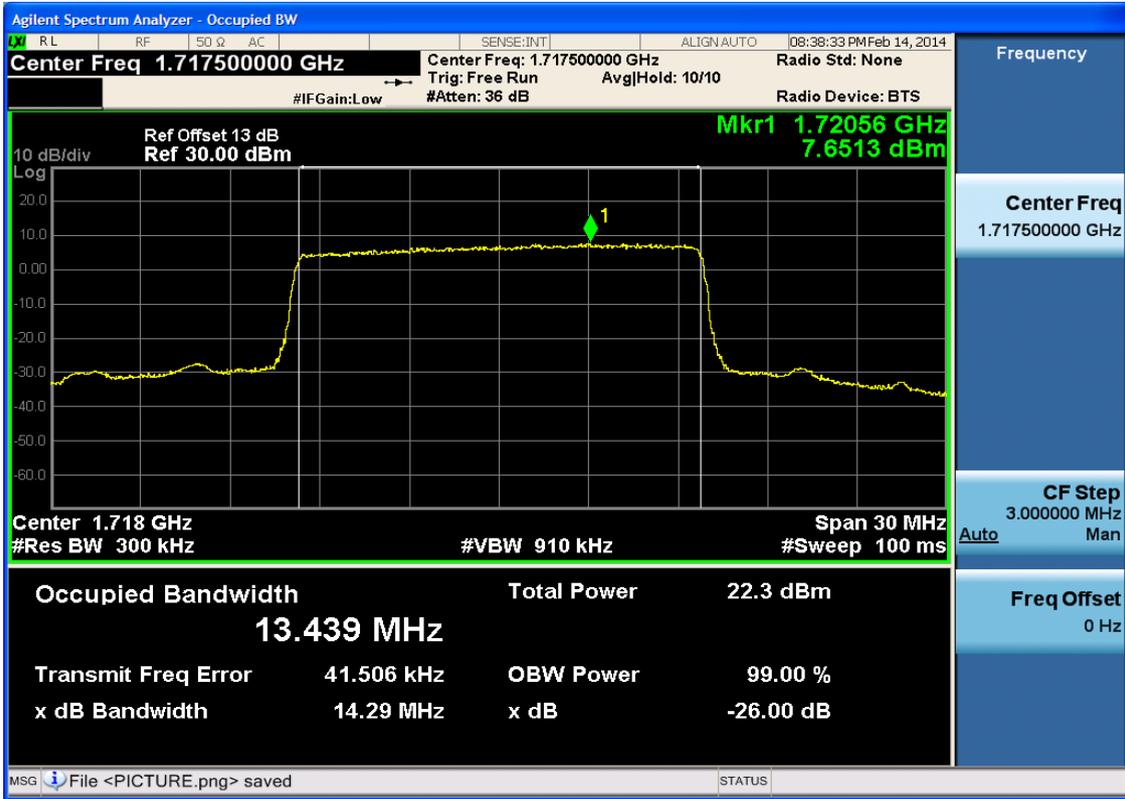




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0



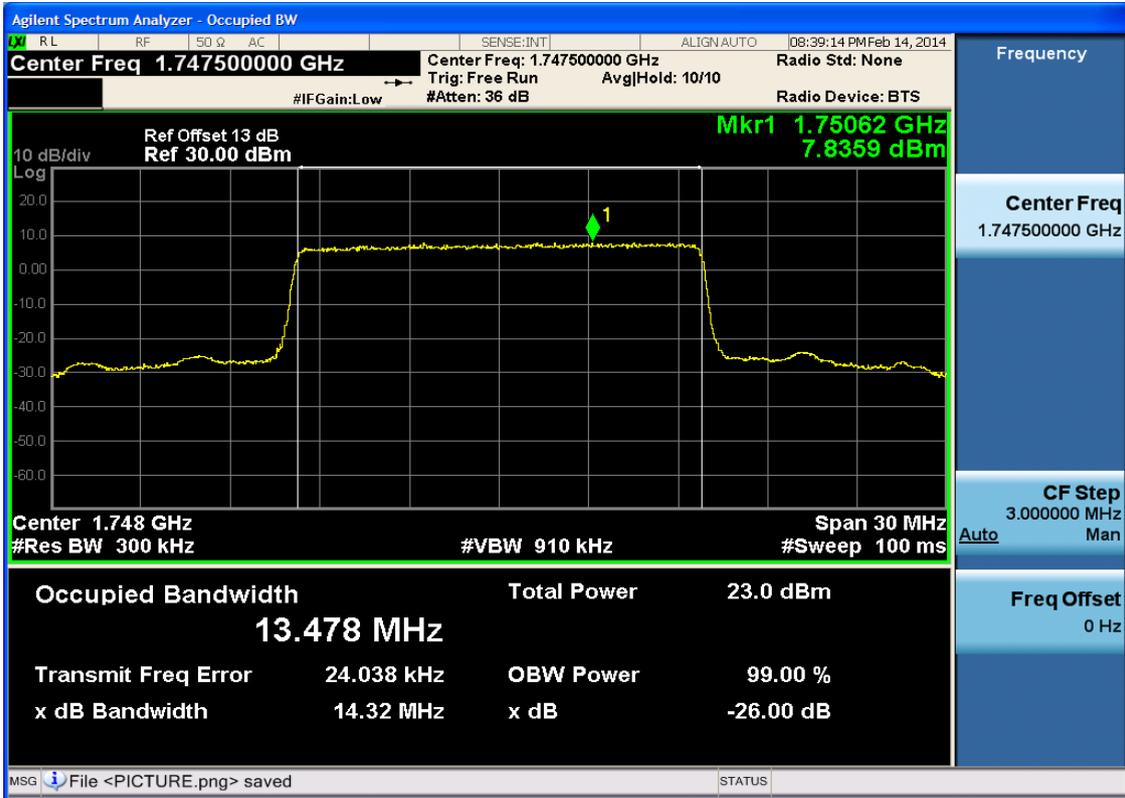
4.1.1.2.5.2 Test Channel = MCH

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

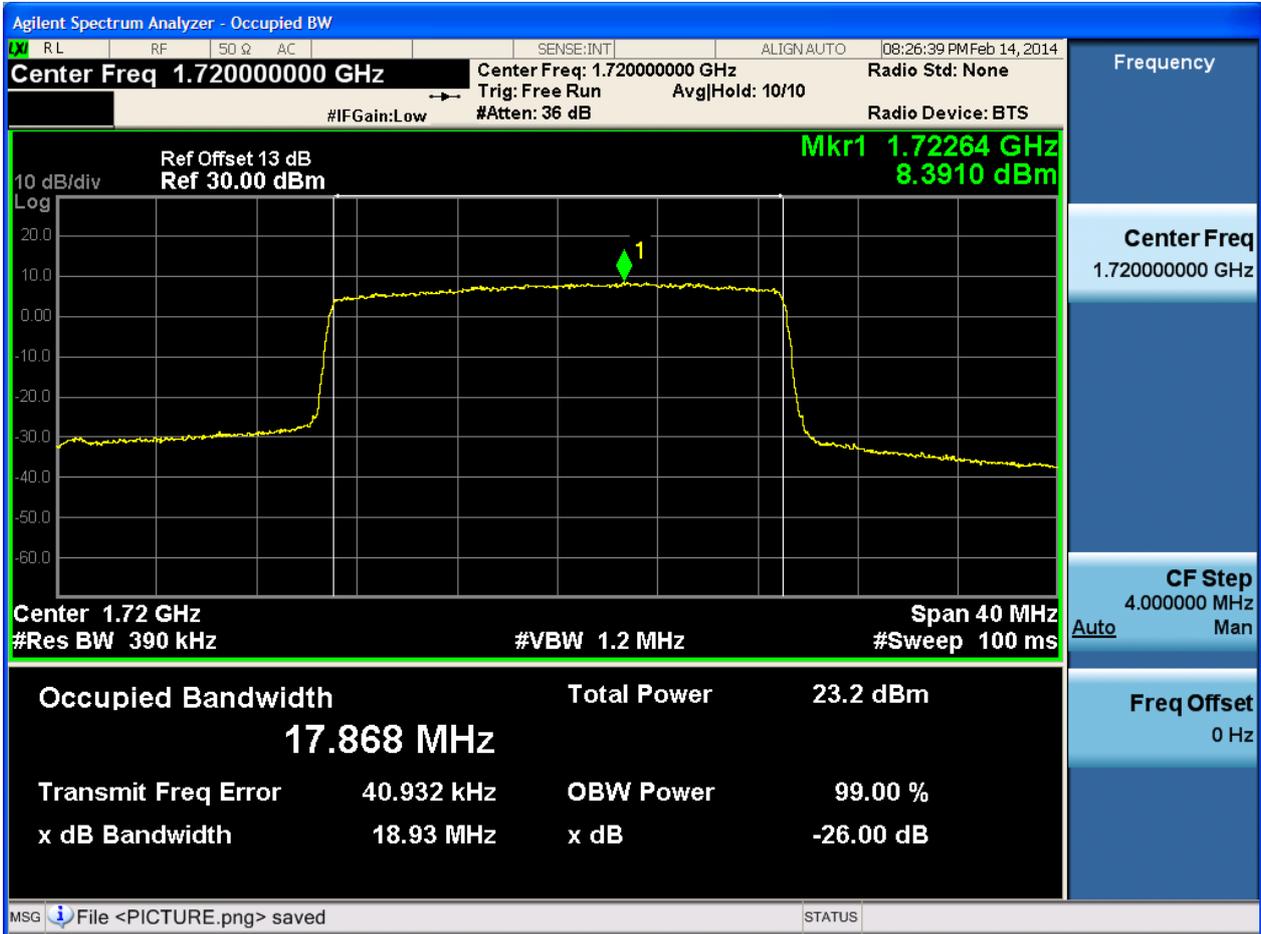




4.1.1.2.6 Test Bandwidth = 20

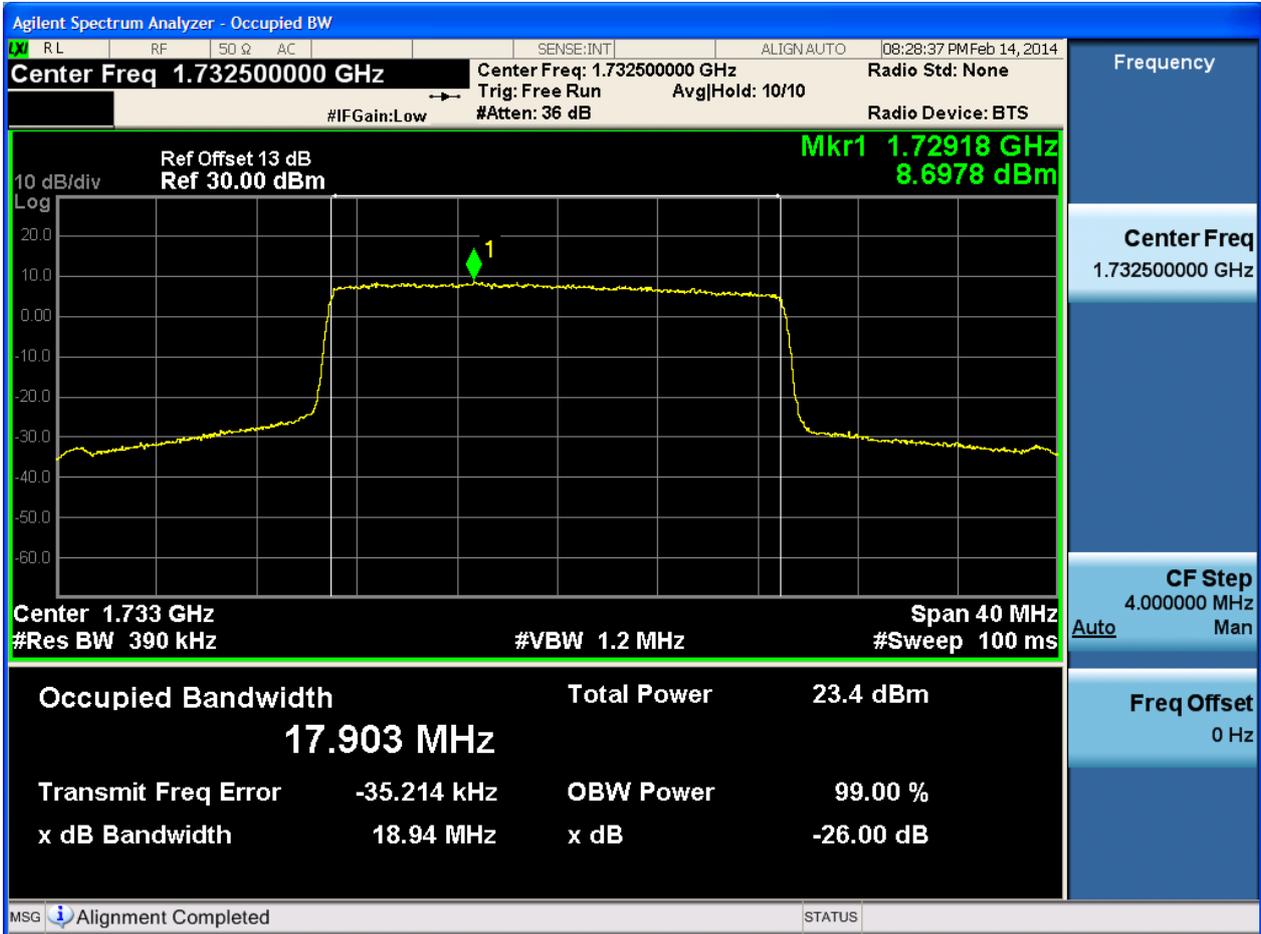
4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0



4.1.1.1.6.1 Test Channel =MCH

4.1.1.1.6.1.1 Test RB = RB100#0



4.1.1.1.6.1 Test Channel =MCH

4.1.1.1.6.1.1 Test RB = RB100#0



## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

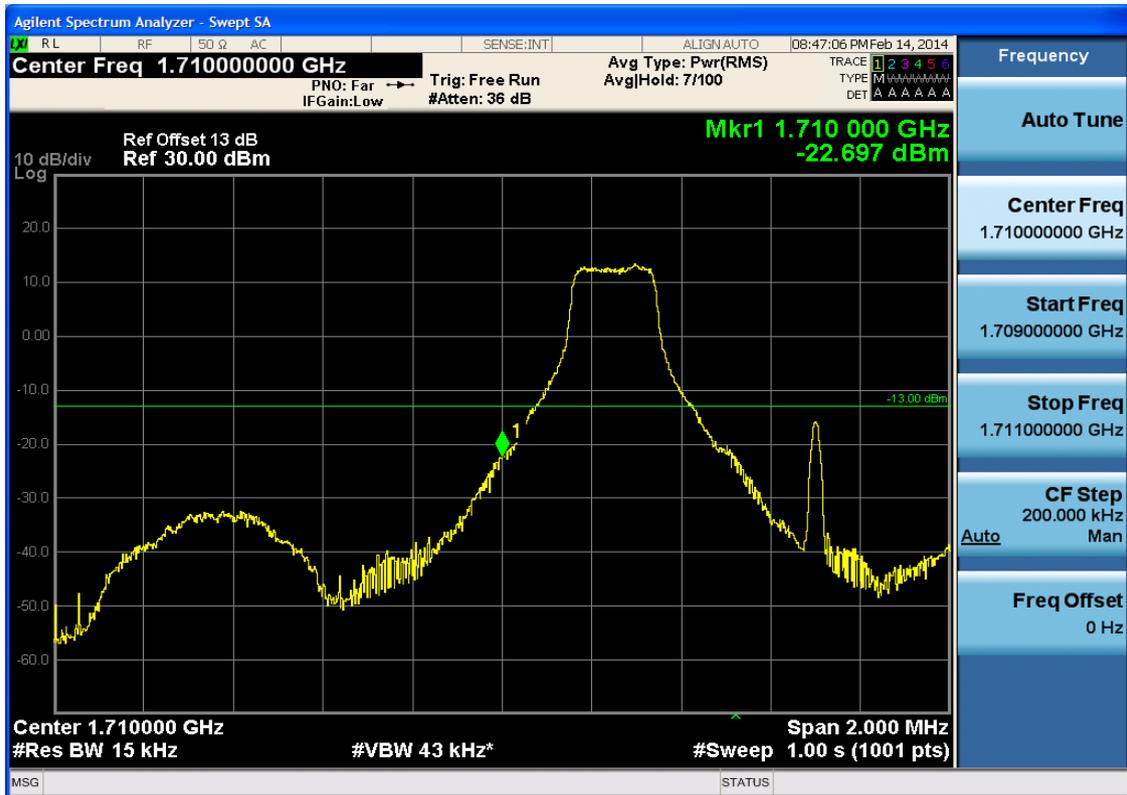
##### 5.1.1 Test Band = BAND4

##### 5.1.1.1 Test Mode = LTE/TM2

##### 5.1.1.1.1 Test Bandwidth = 1.4

##### 5.1.1.1.1.1 Test Channel = LCH

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





5.1.1.1.1.2 Test RB = RB1#5





5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



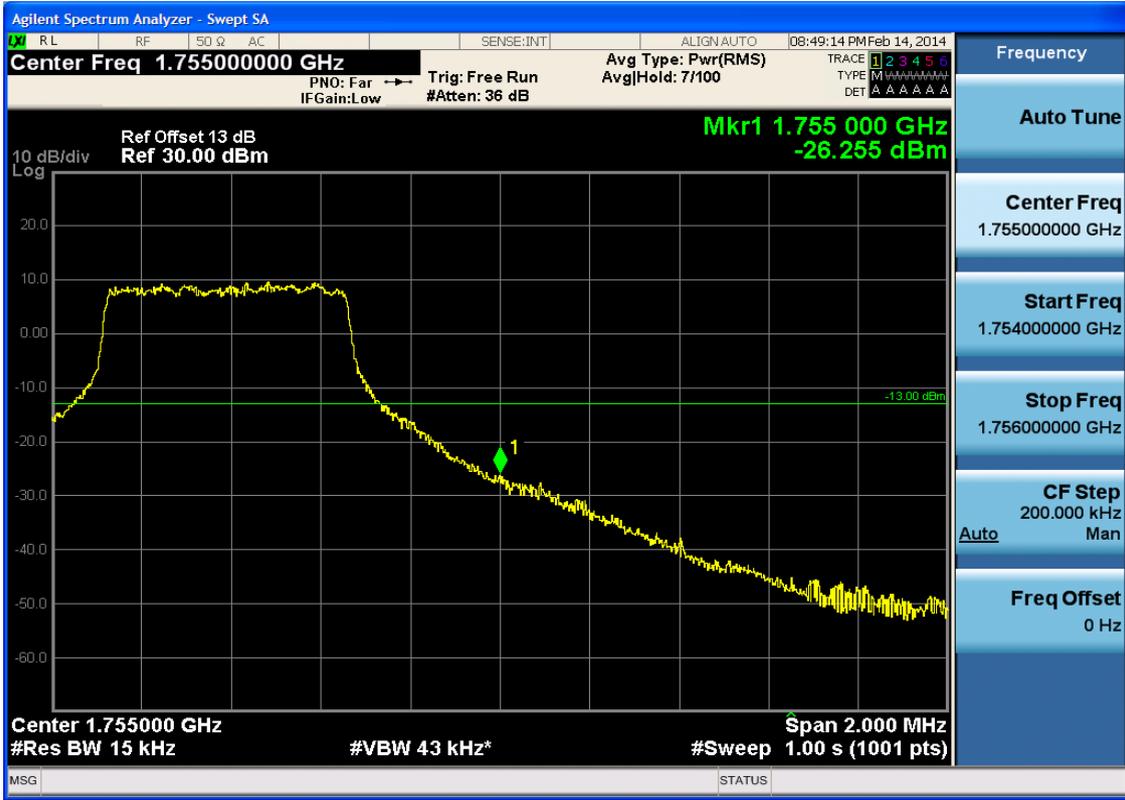


5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.2.3 Test RB = RB3#2





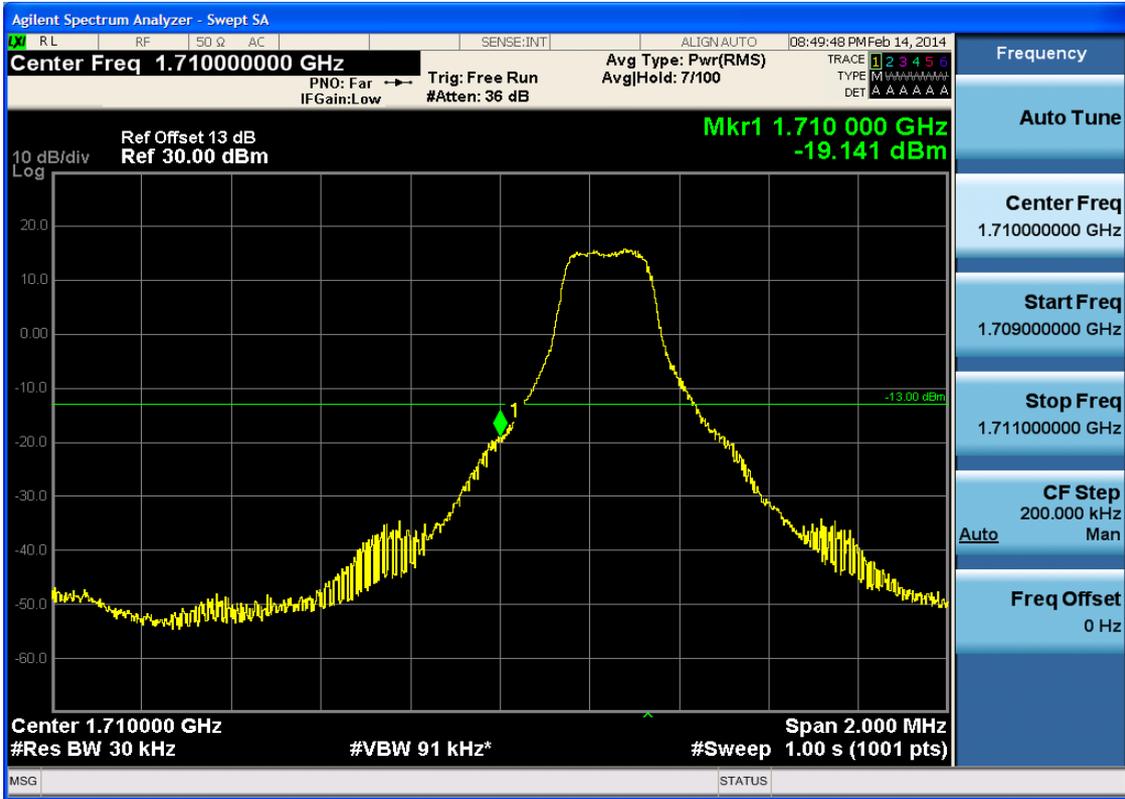
5.1.1.1.2.4 Test RB = RB#0



5.1.1.1.2 Test Bandwidth = 3

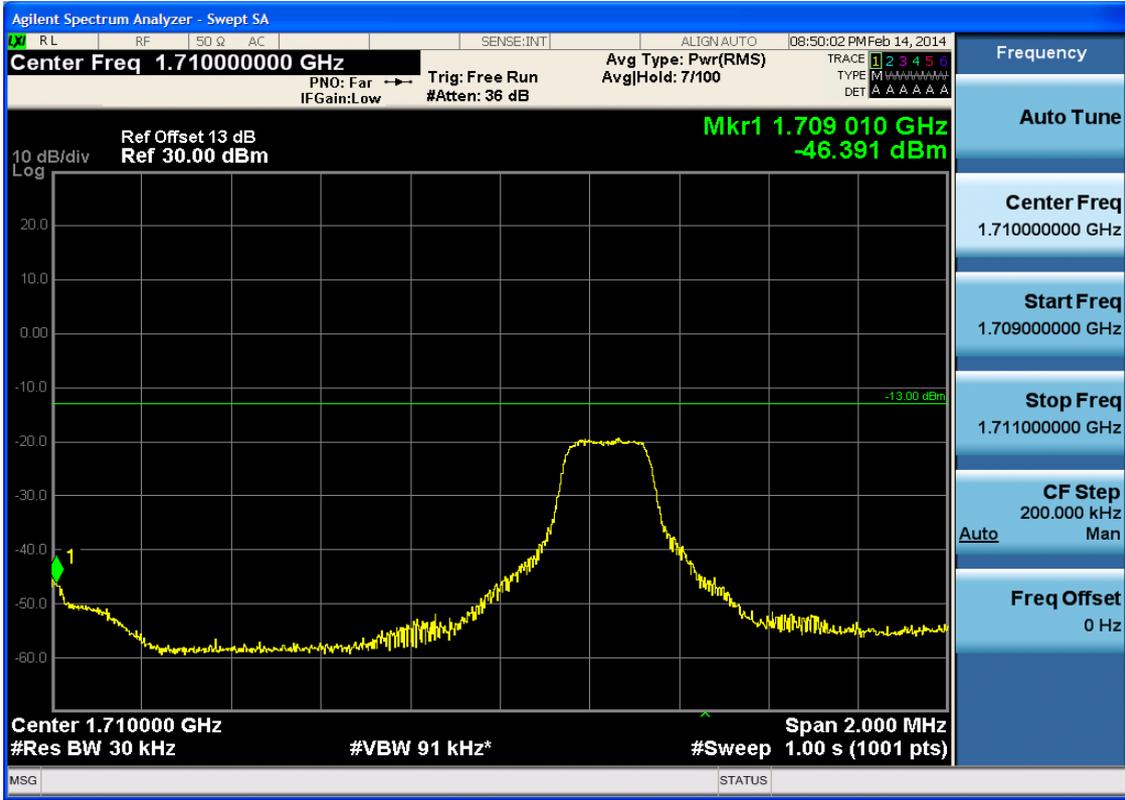
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14





5.1.1.1.2.1.3 Test RB = RB8#4





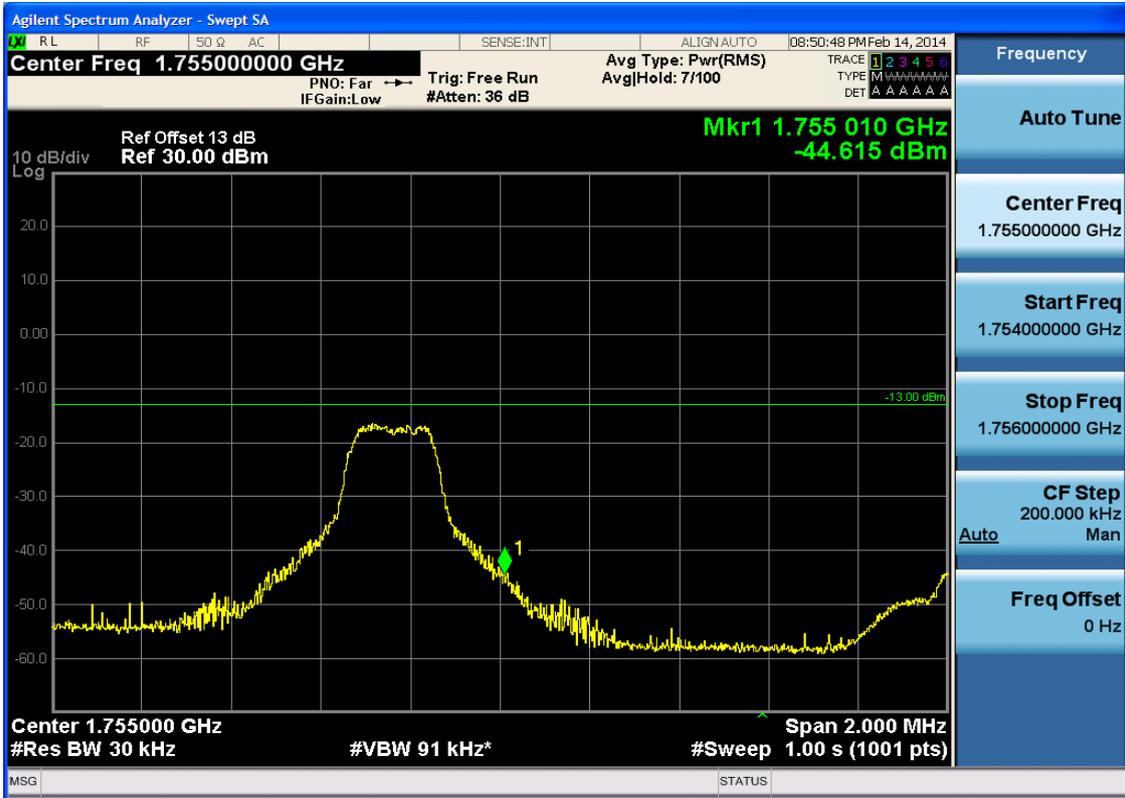
5.1.1.1.2.1.4 Test RB = RB15#0





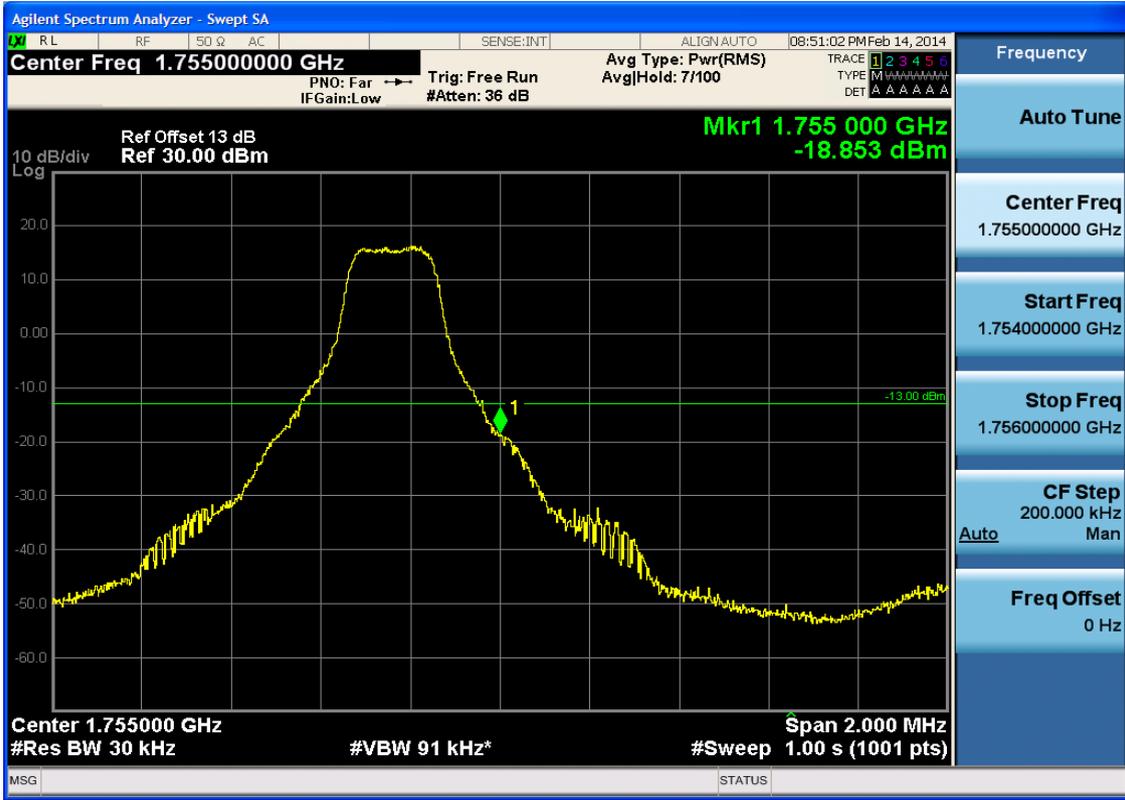
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#14





5.1.1.1.2.2.3 Test RB = RB8#4





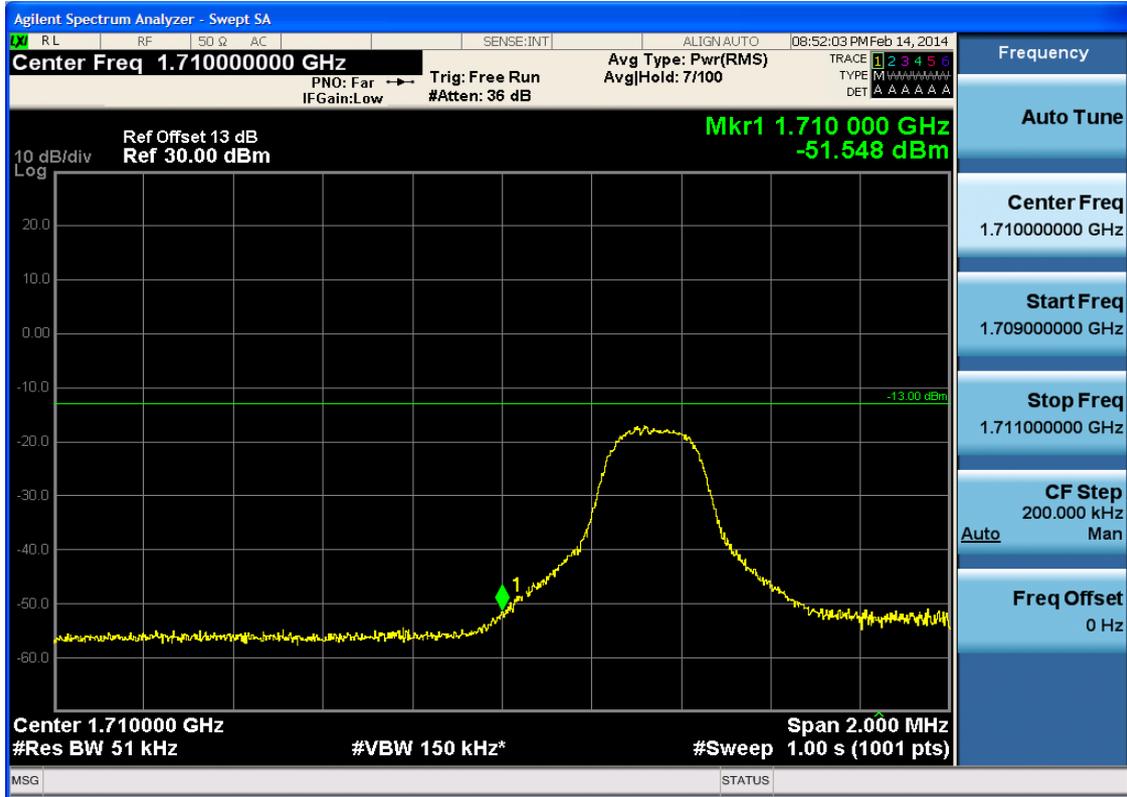
5.1.1.1.2.2.4 Test RB = RB15#0





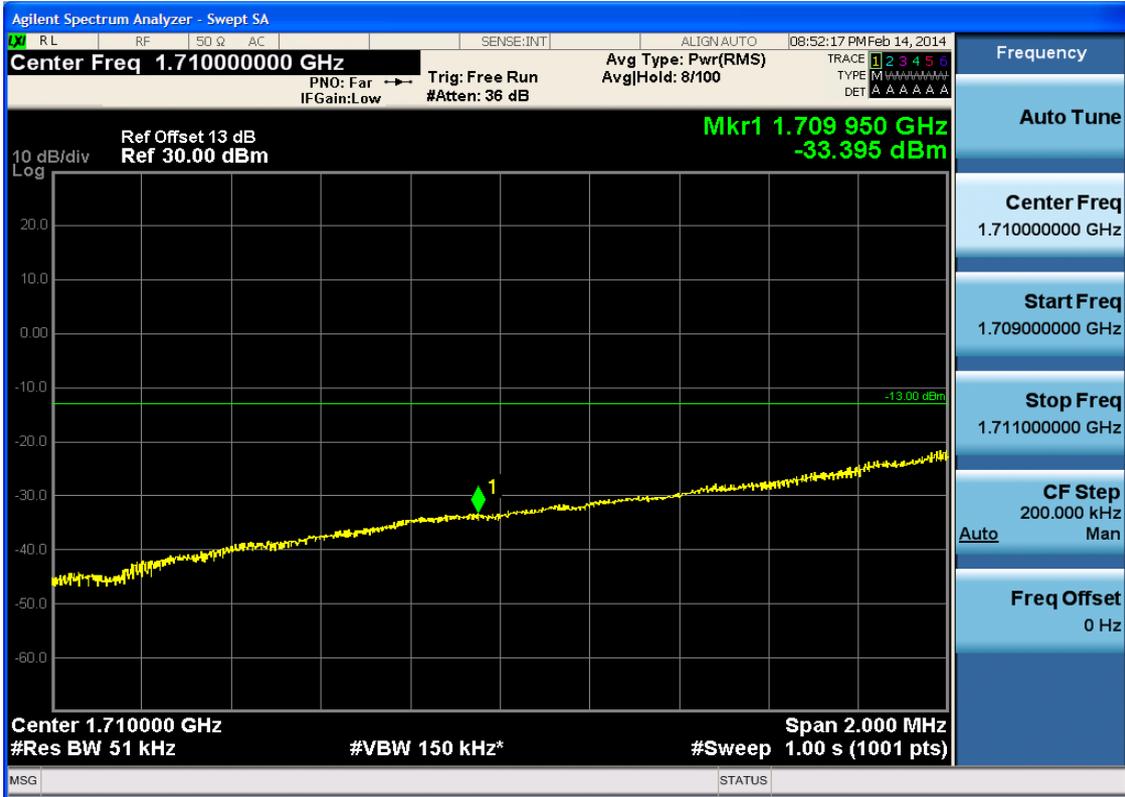


5.1.1.1.3.1.2 Test RB = RB1#24





5.1.1.1.3.1.3 Test RB = RB12#6





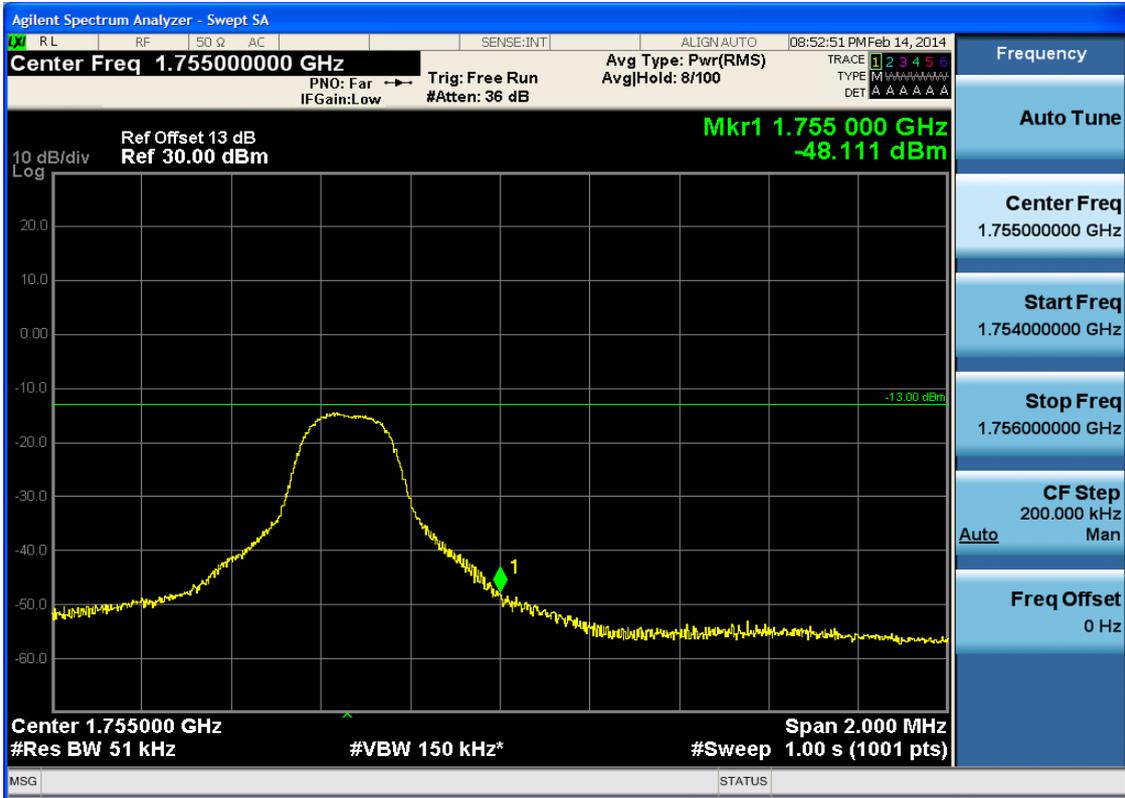
5.1.1.1.3.1.4 Test RB = RB25#0





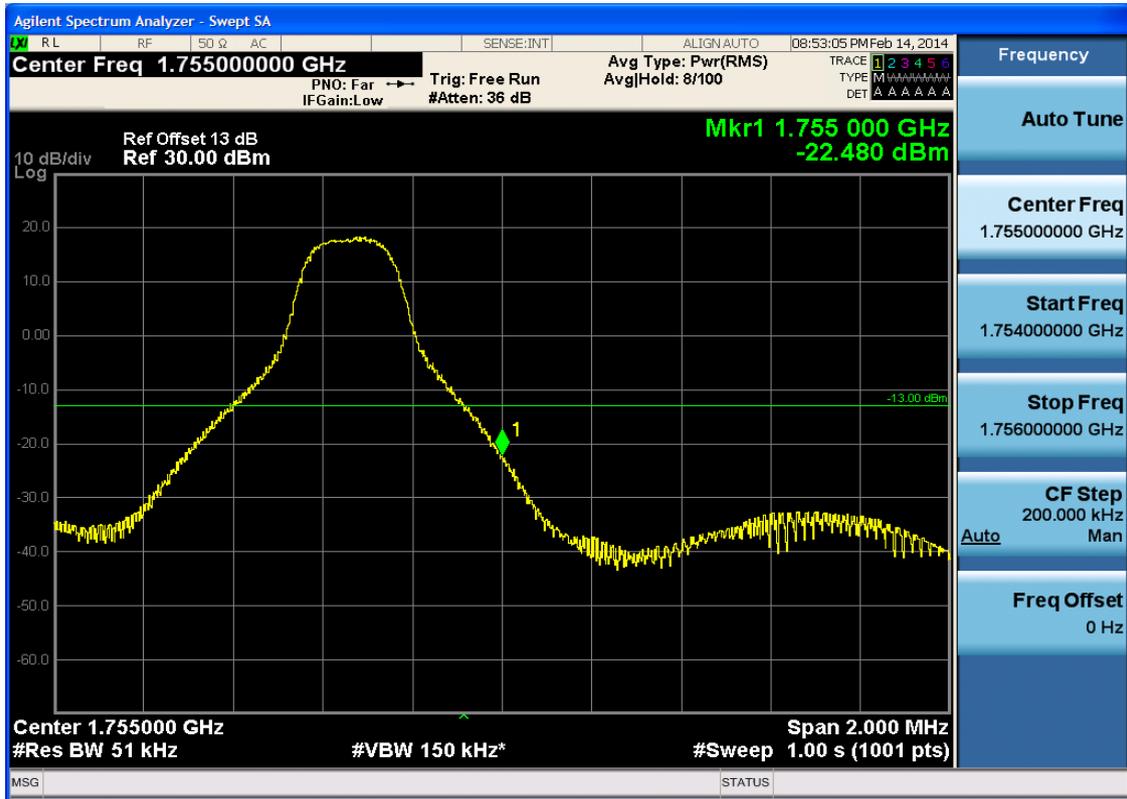
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





5.1.1.1.3.2.3 Test RB = RB12#6





5.1.1.1.3.2.4 Test RB = RB25#0

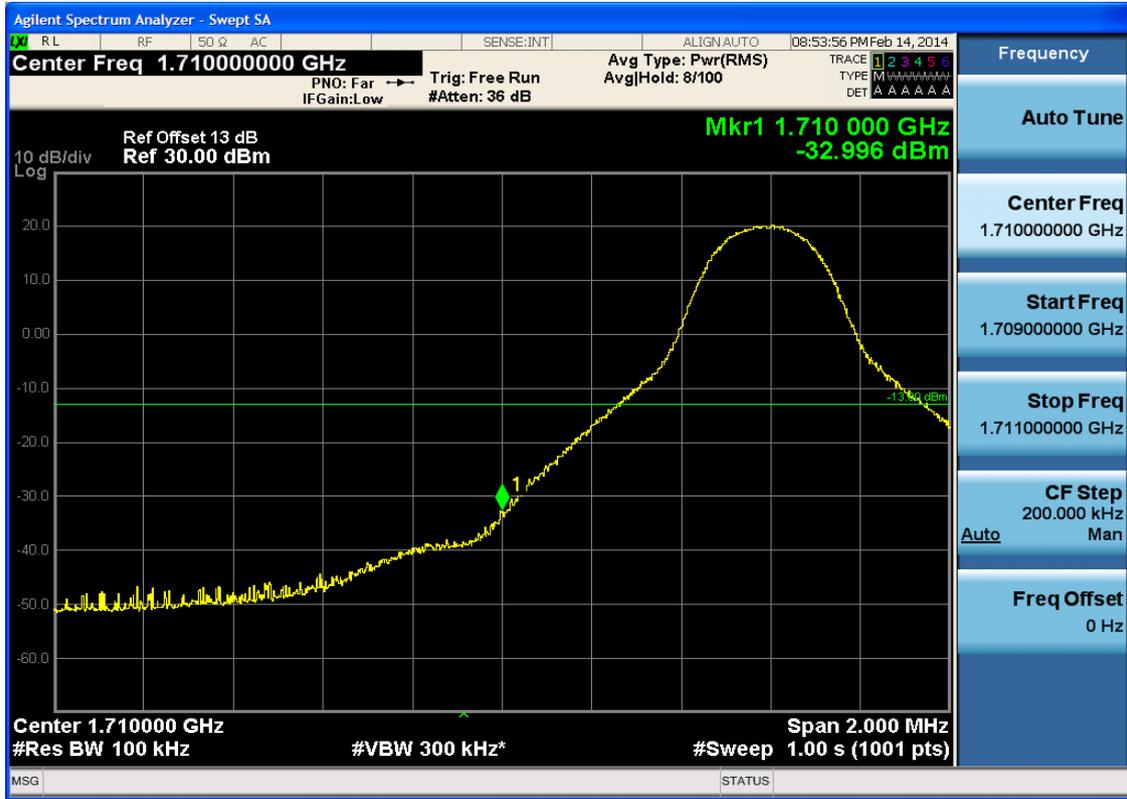




5.1.1.1.4 Test Bandwidth = 10

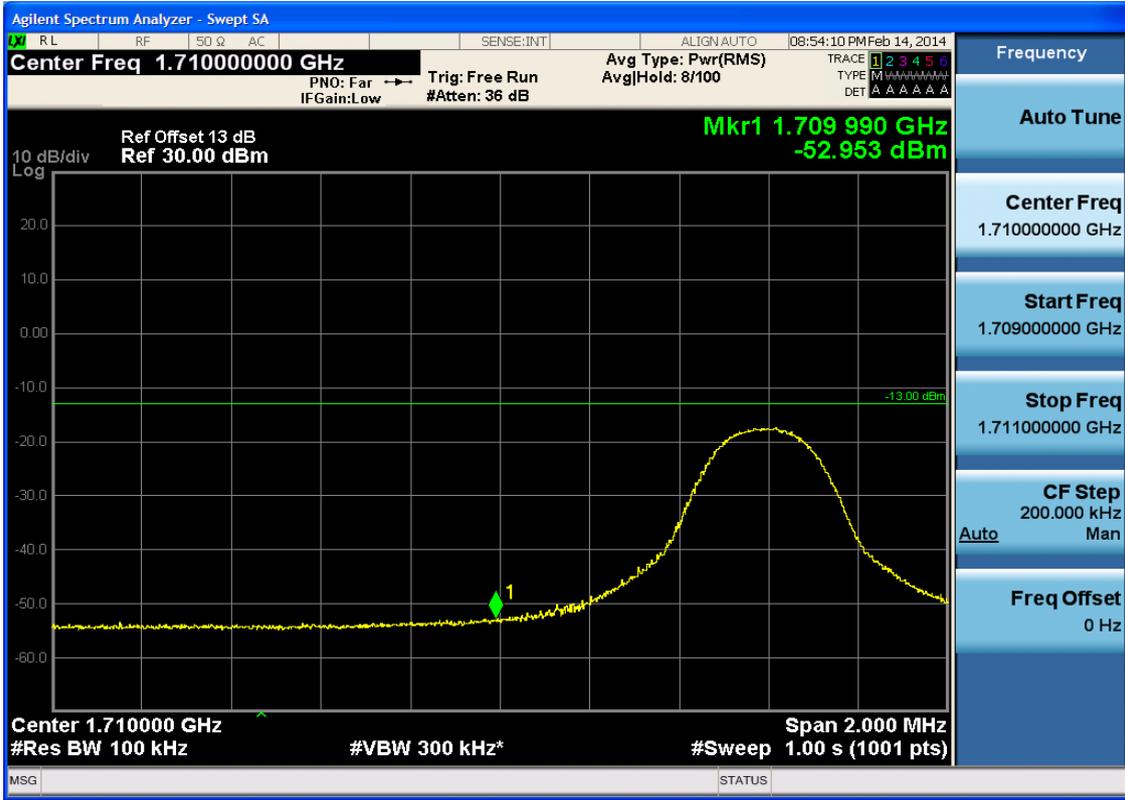
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



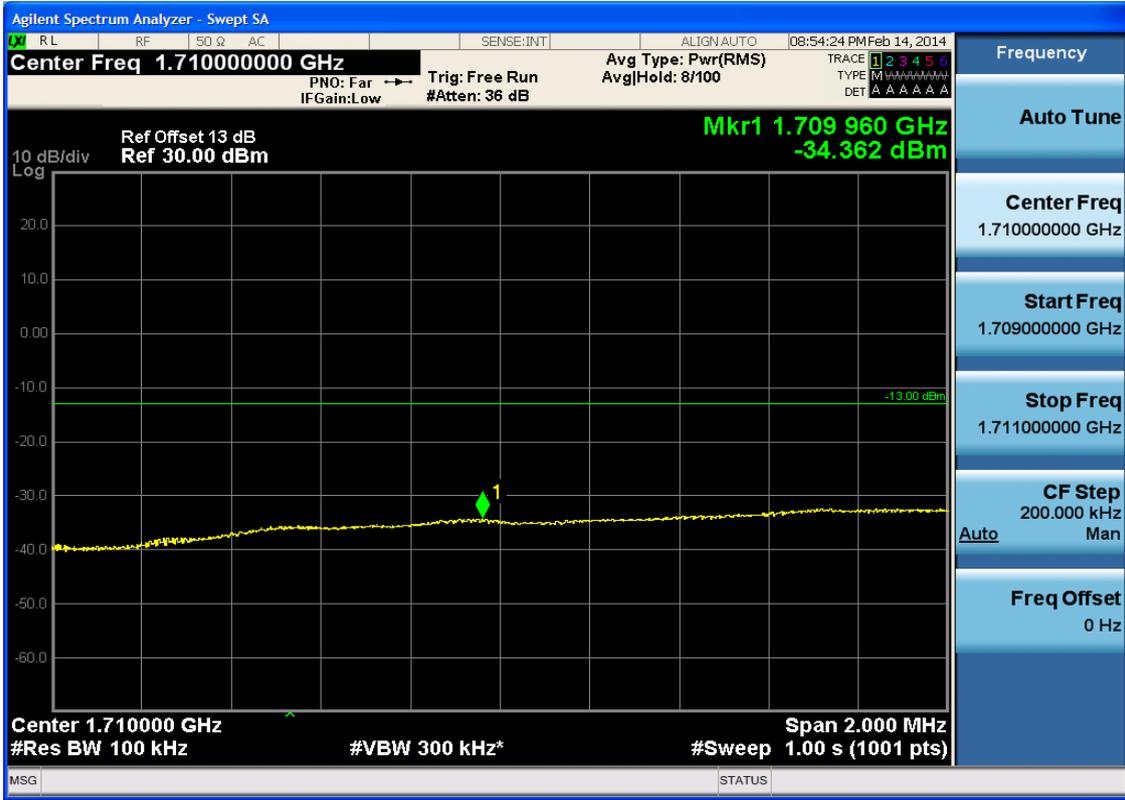


5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





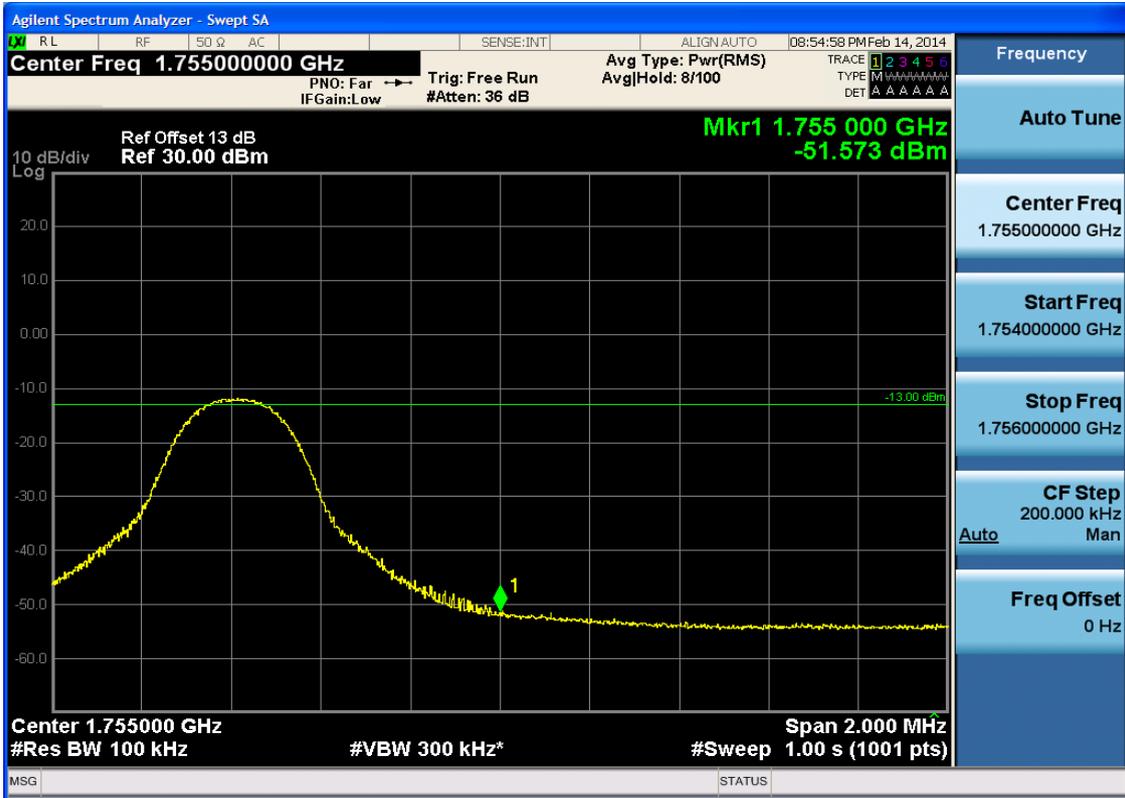
5.1.1.1.4.1.4 Test RB = RB50#0





5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0



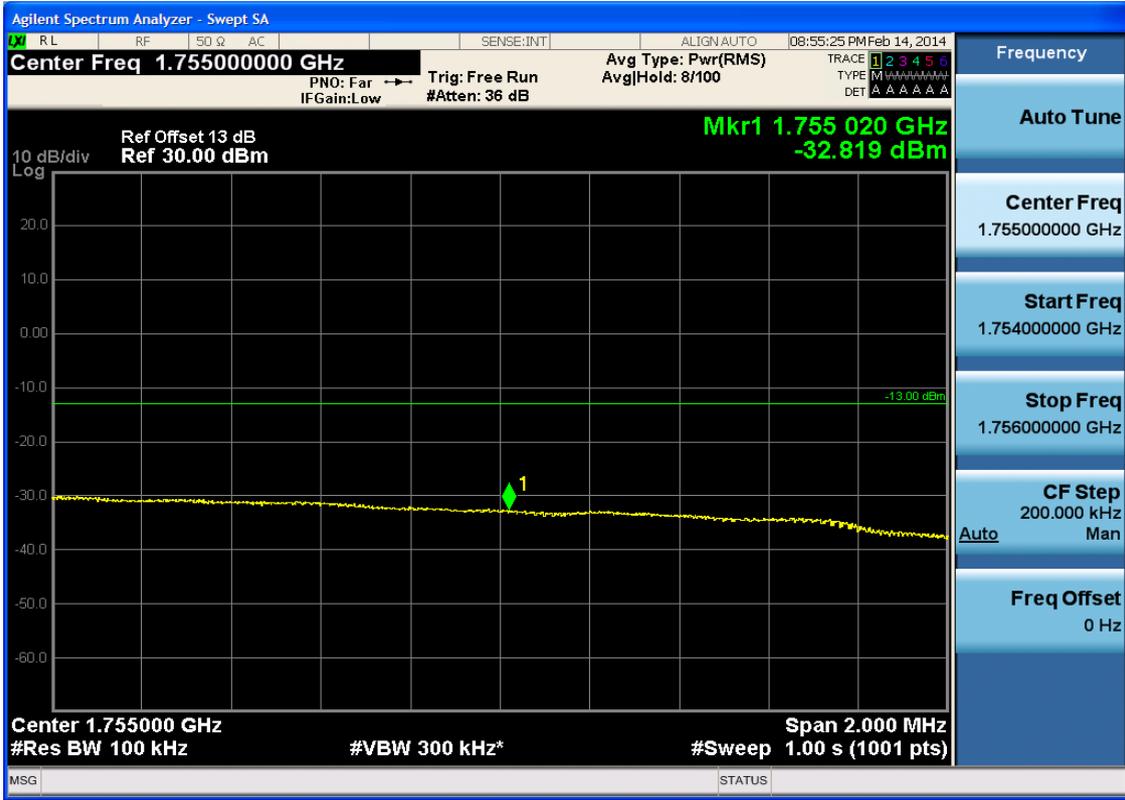


5.1.1.1.4.2.2 Test RB = RB1#49





5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0



5.1.1.1.5 Test Bandwidth = 15

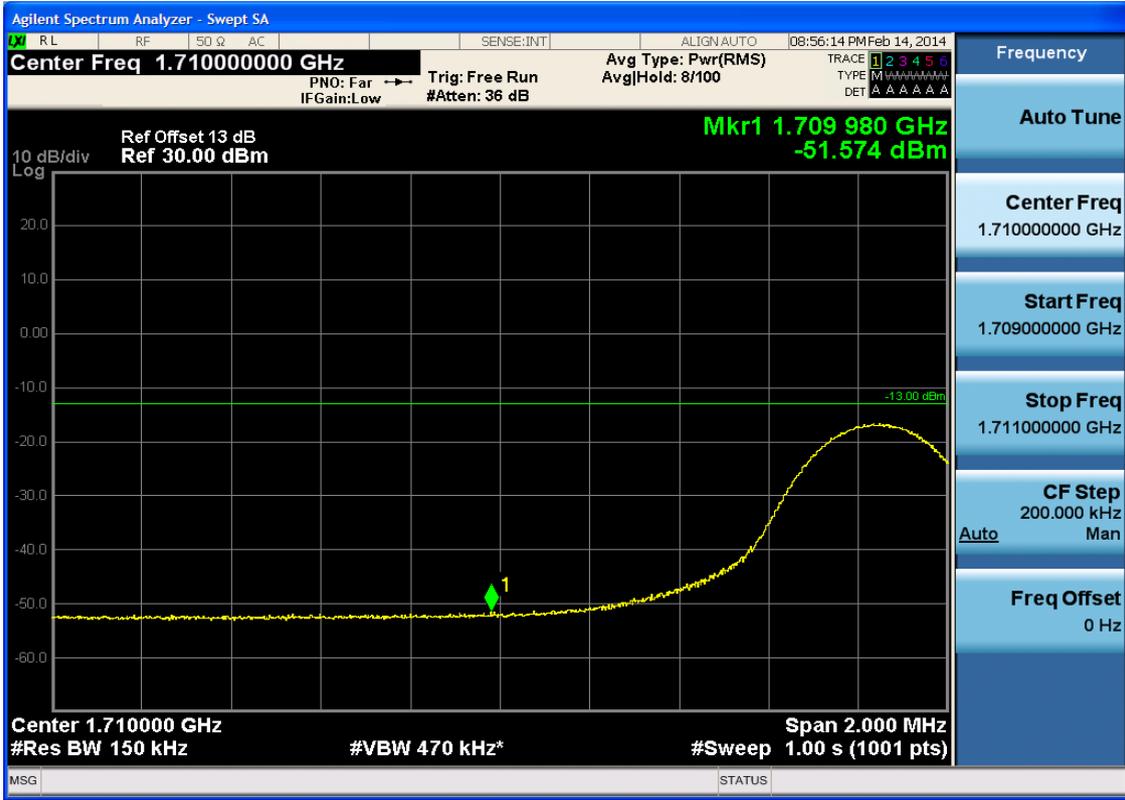
5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0



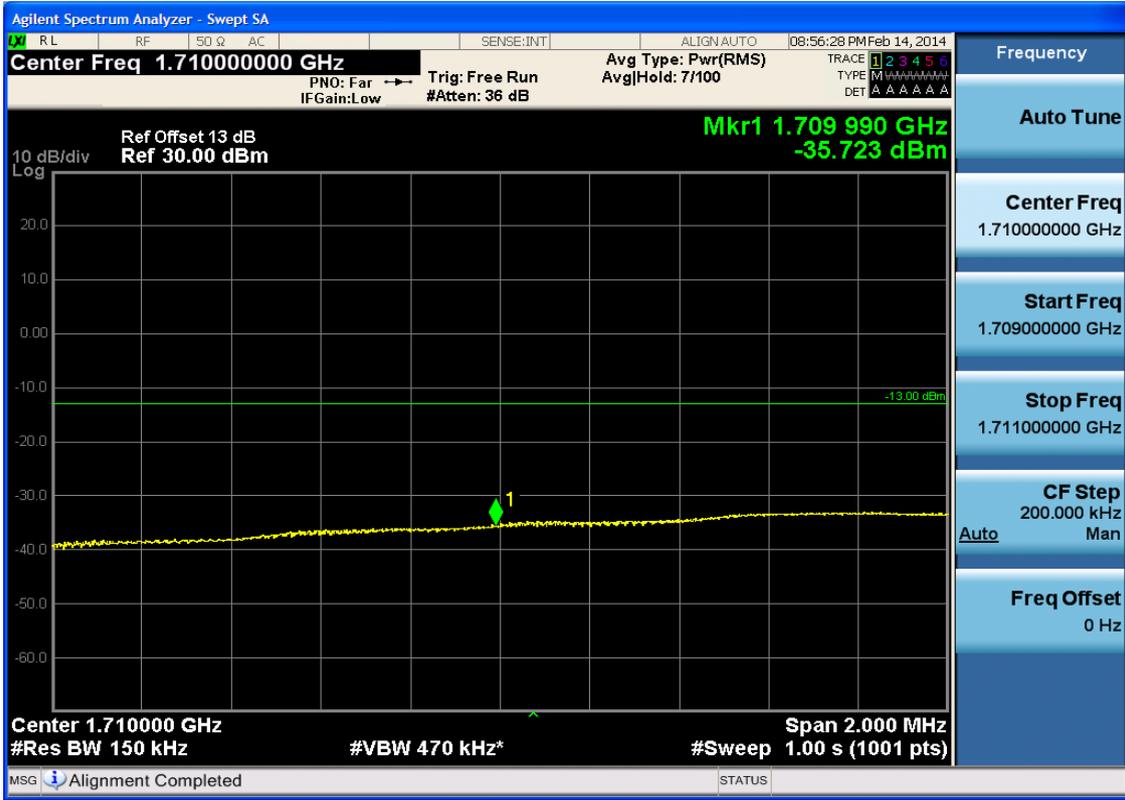


5.1.1.1.5.1.2 Test RB = RB1#74



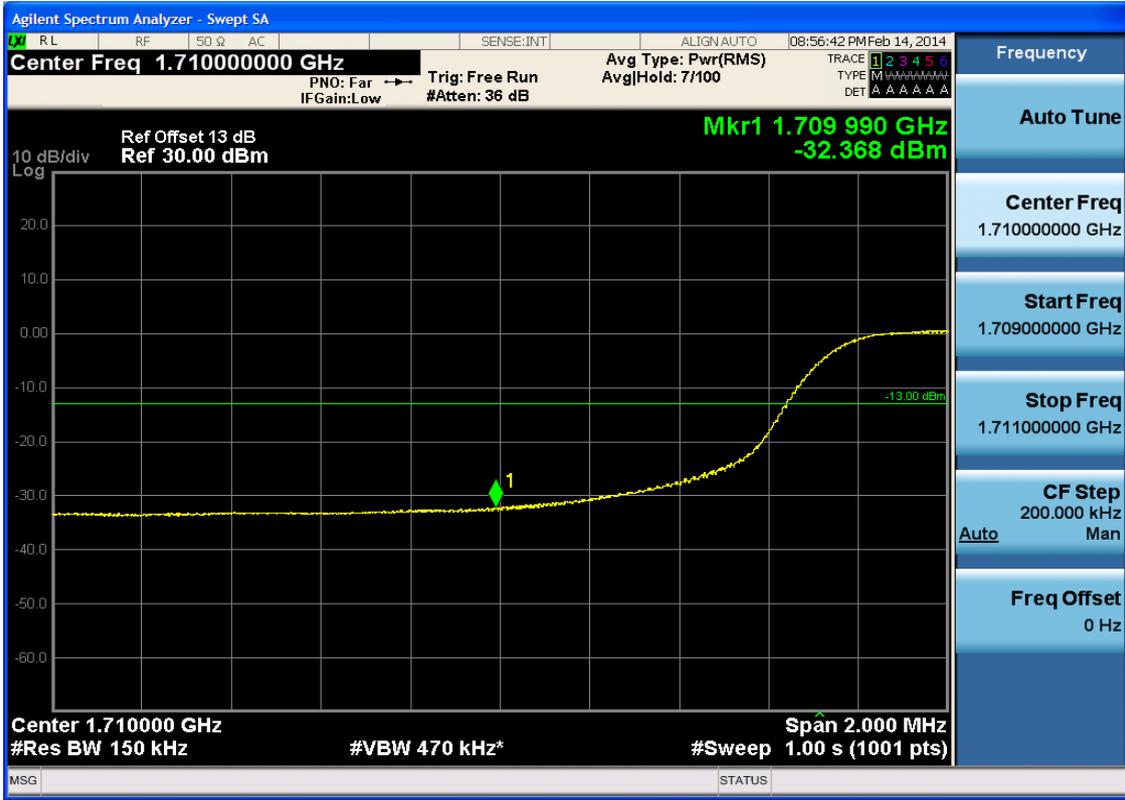


5.1.1.1.5.1.3 Test RB = RB38#19





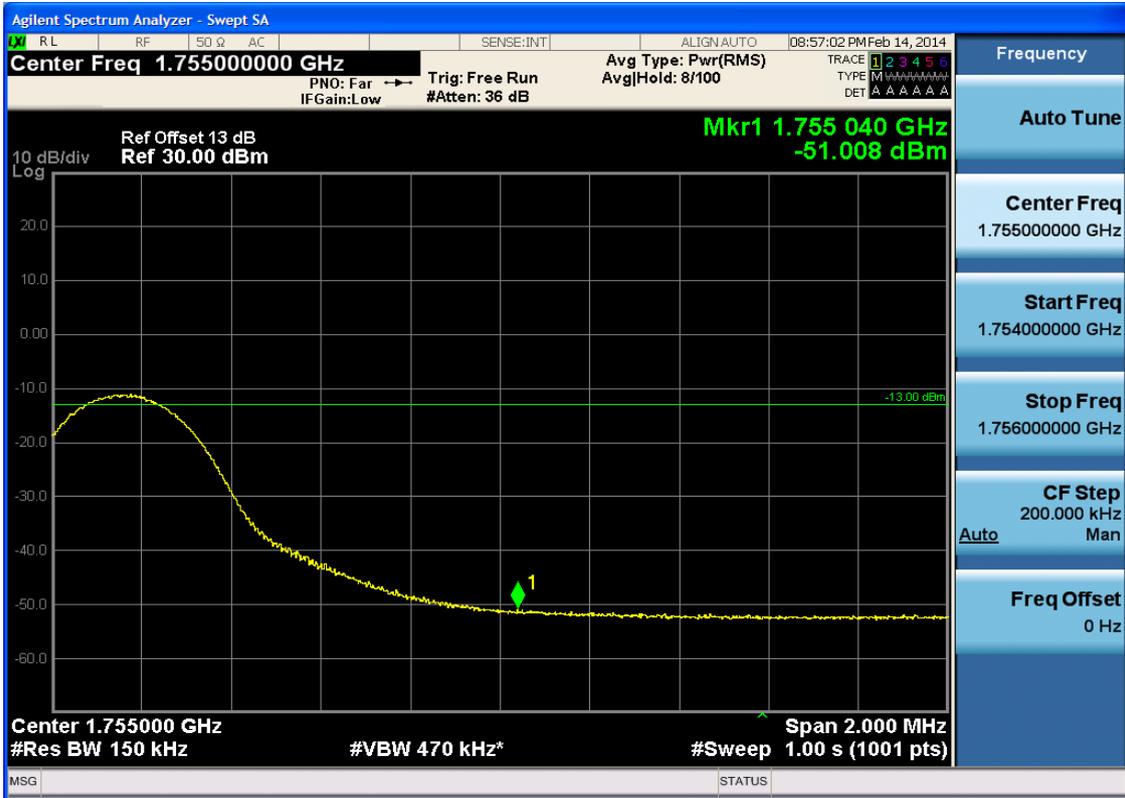
5.1.1.1.5.1.4 Test RB = RB75#0





5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0



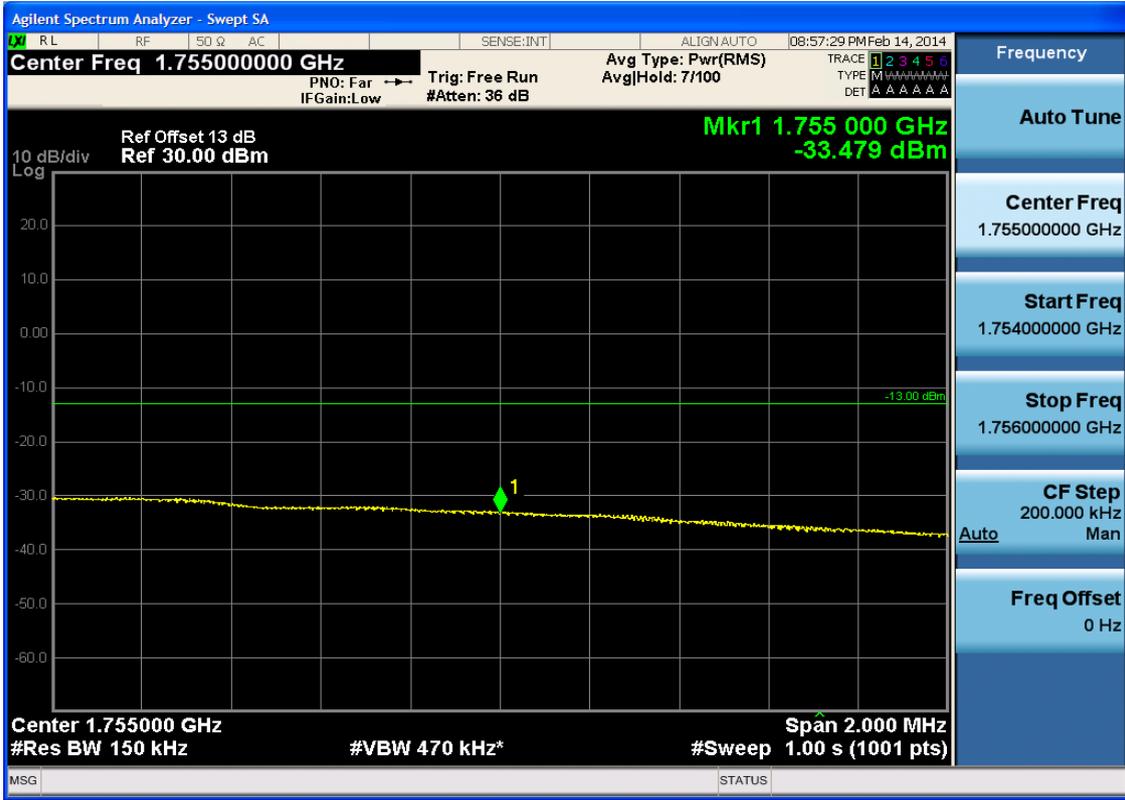


5.1.1.1.5.2.2 Test RB = RB1#74





5.1.1.1.5.2.3 Test RB = RB38#19





5.1.1.1.5.2.4 Test RB = RB75#0



5.1.1.1.6 Test Bandwidth = 20

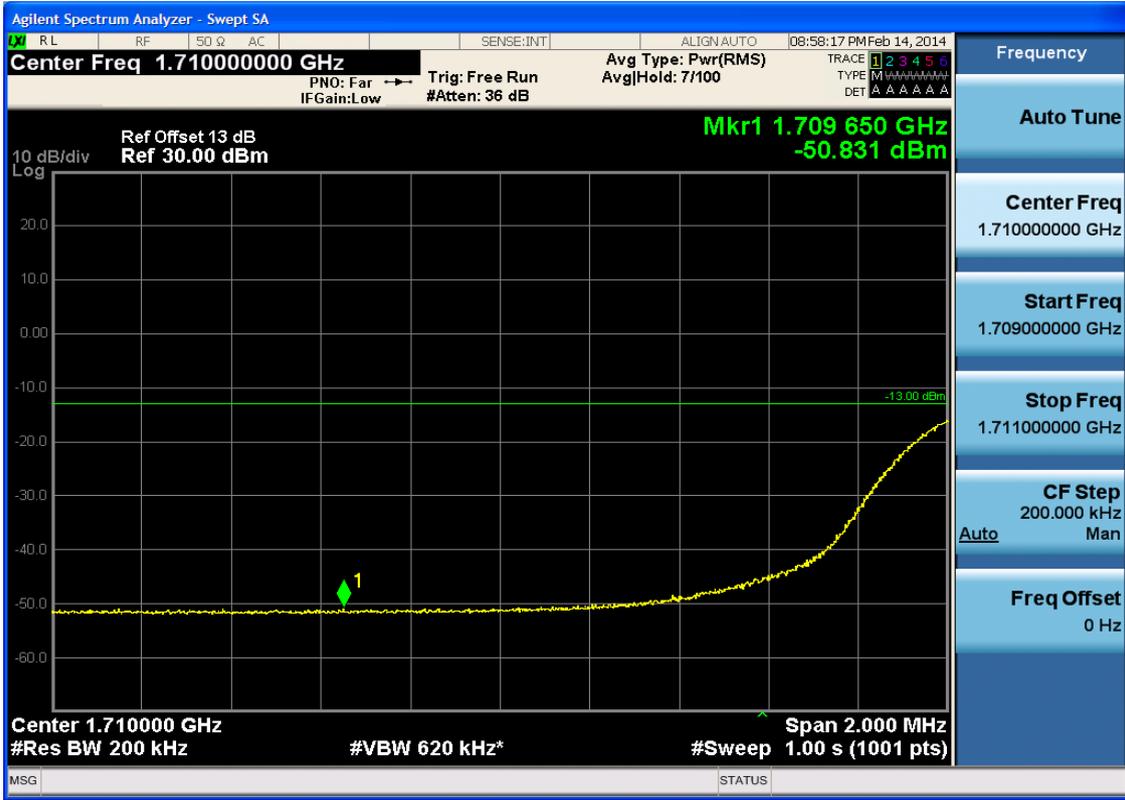
5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0



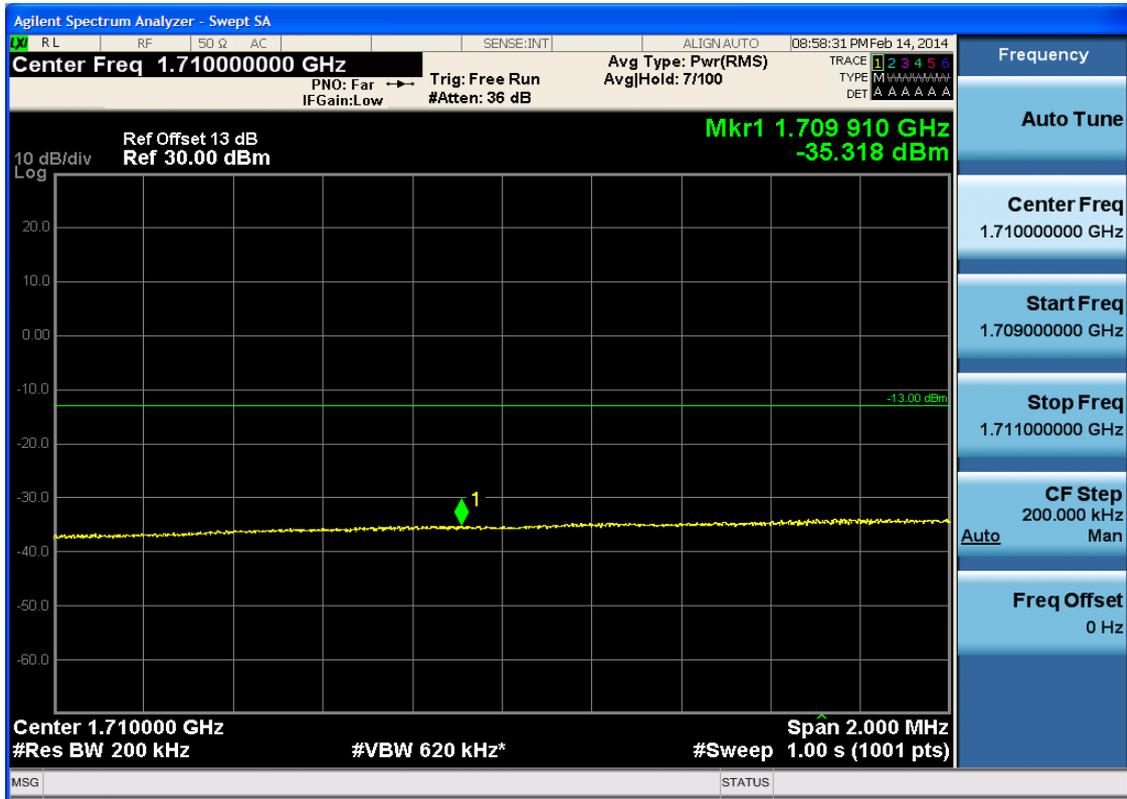


5.1.1.1.6.1.2 Test RB = RB1#99



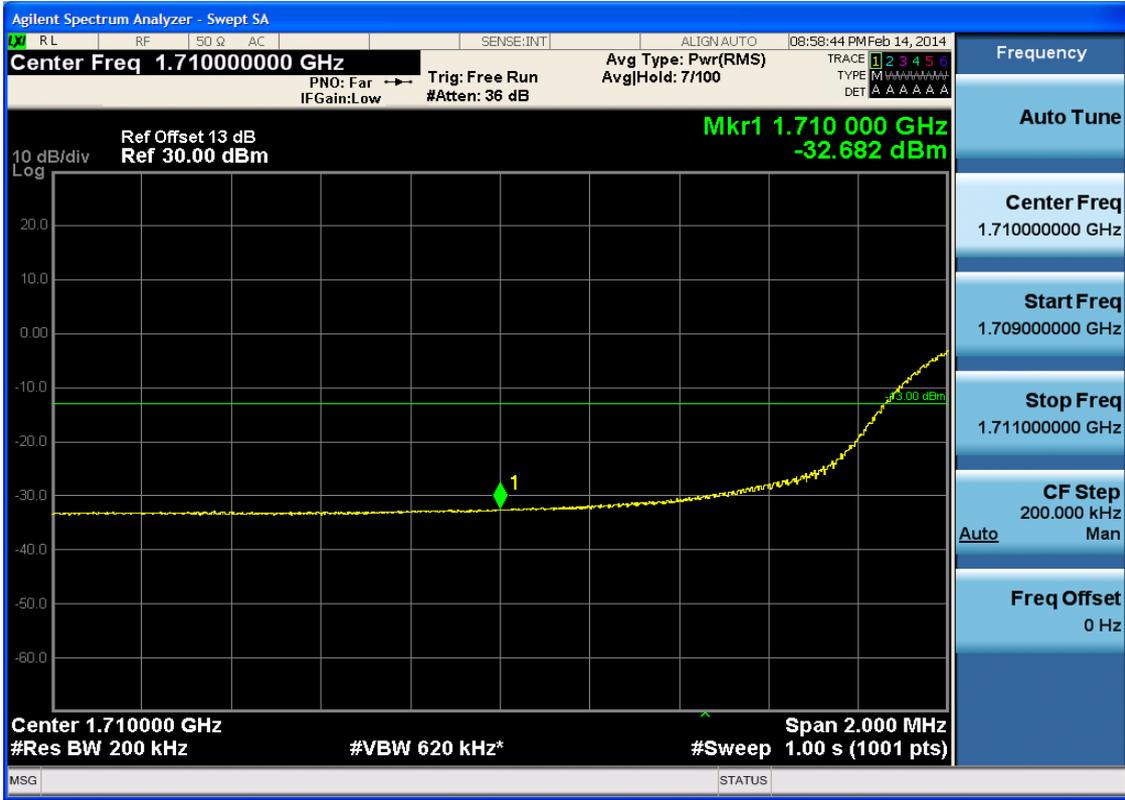


5.1.1.1.6.1.3 Test RB = RB50#25





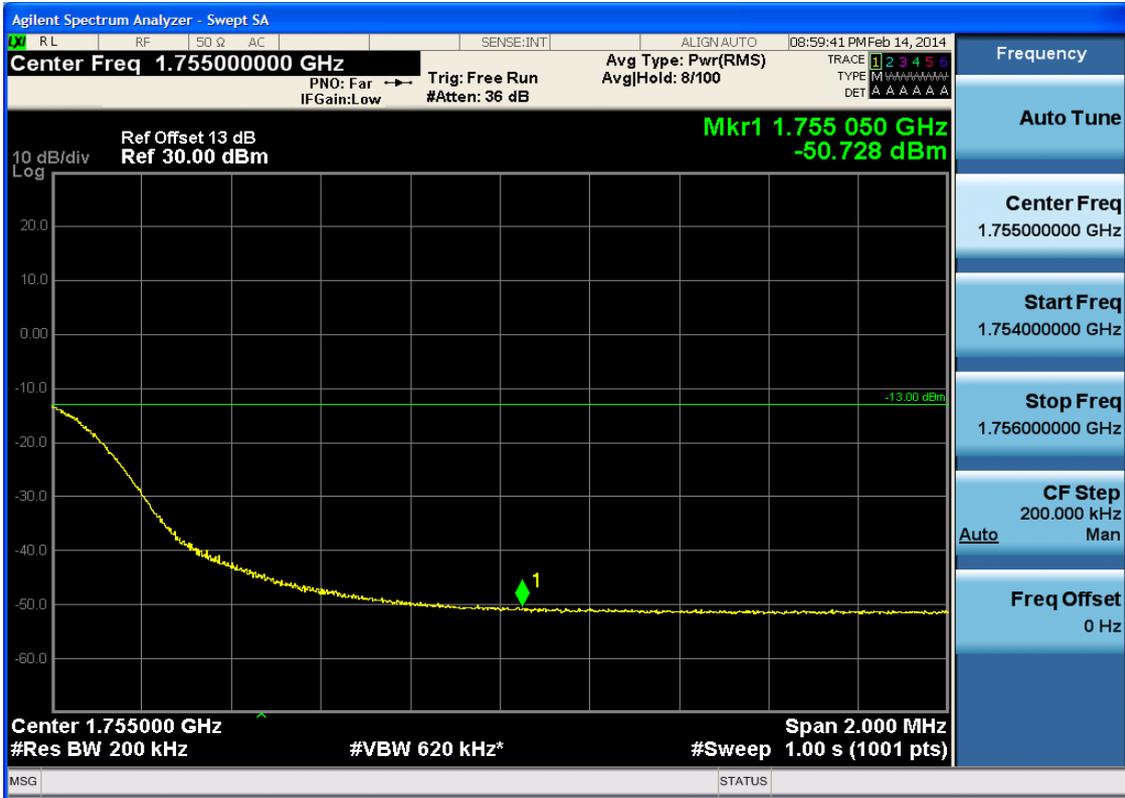
5.1.1.1.6.1.4 Test RB = RB100#0





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





5.1.1.1.6.2.4 Test RB = RB100#0





## 6Appendix\_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

### Part I - Test Plots

#### 6.1 For LTE

##### 6.1.1 Test Band = BAND4

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

##### 6.1.1.1.1 Test Bandwidth = 1.4

##### 6.1.1.1.1.1 Test Channel = LCH

##### 6.1.1.1.1.1 Test RB = RB1#0



