



# Appendix for test report

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

### Part I - Test Results

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| Band7          | LTE/TM1   | 5              | LCH          | RB1#0   | 23.06          | 23.96      | 33          | PASS    |
|                |           |                |              | RB1#13  | 23.05          | 23.95      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.92          | 23.82      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.47          | 22.37      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.51          | 22.41      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.48          | 22.38      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.46          | 22.36      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.63          | 23.53      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.89          | 23.79      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.74          | 23.64      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.53          | 22.43      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.52          | 22.42      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.52          | 22.42      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.54          | 22.44      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 22.97          | 23.87      | 33          | PASS    |
|                |           |                |              | RB1#13  | 23.05          | 23.95      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.98          | 23.88      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.65          | 22.55      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.64          | 22.54      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.68          | 22.58      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.55          | 22.45      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.78          | 23.68      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.70          | 23.60      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.77          | 23.67      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.61          | 22.51      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.59          | 22.49      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.54          | 22.44      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.57          | 22.47      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.63          | 23.53      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.54          | 23.44      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.64          | 23.54      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB25#0  | 21.50          | 22.40      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.54          | 22.44      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.52          | 22.42      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.62          | 22.52      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.91          | 23.81      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.96          | 23.86      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.89          | 23.79      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.64          | 22.54      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.64          | 22.54      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.56          | 22.46      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.70          | 22.60      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 22.78          | 23.68      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.96          | 23.86      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.91          | 23.81      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.50          | 22.40      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.53          | 22.43      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.46          | 22.36      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB75#0  | 21.52          | 22.42      | 33          | PASS    |
|                |           |                |              | RB1#0   | 22.64          | 23.54      | 33          | PASS    |
|                |           |                | MCH          | RB1#38  | 22.98          | 23.88      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.70          | 23.60      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.34          | 22.24      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.57          | 22.47      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.56          | 22.46      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.62          | 22.52      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.84          | 23.74      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.03          | 23.93      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.79          | 23.69      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.65          | 22.55      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.67          | 22.57      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.62          | 22.52      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.65          | 22.55      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.52          | 23.42      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.33          | 23.23      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB1#99  | 22.92          | 23.82      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.49          | 22.39      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.50          | 22.40      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.48          | 22.38      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.53          | 22.43      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.44          | 23.34      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.40          | 23.30      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.89          | 23.79      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.46          | 22.36      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.48          | 22.38      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.50          | 22.40      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.45          | 22.35      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.71          | 23.61      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.66          | 23.56      | 33          | PASS    |
|                |           |                |              | RB1#99  | 23.22          | 24.12      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.60          | 22.50      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.48          | 22.38      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB50#50 | 21.56          | 22.46      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.56          | 22.46      | 33          | PASS    |
|                | LTE/TM2   | 5              | LCH          | RB1#0   | 21.80          | 22.70      | 33          | PASS    |
|                |           |                |              | RB1#13  | 21.89          | 22.79      | 33          | PASS    |
|                |           |                |              | RB1#24  | 21.85          | 22.75      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.63          | 21.53      | 33          | PASS    |
|                |           |                |              | RB12#6  | 20.65          | 21.55      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.61          | 21.51      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.61          | 21.51      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.96          | 22.86      | 33          | PASS    |
|                |           |                |              | RB1#13  | 21.93          | 22.83      | 33          | PASS    |
|                |           |                |              | RB1#24  | 21.85          | 22.75      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.51          | 21.41      | 33          | PASS    |
|                |           |                |              | RB12#6  | 20.47          | 21.37      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.50          | 21.40      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.50          | 21.40      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.91          | 22.81      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB1#13  | 21.99          | 22.89      | 33          | PASS    |
|                |           |                |              | RB1#24  | 21.95          | 22.85      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.66          | 21.56      | 33          | PASS    |
|                |           |                |              | RB12#6  | 20.68          | 21.58      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.62          | 21.52      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.77          | 21.67      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 21.86          | 22.76      | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.58          | 22.48      | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.85          | 22.75      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.72          | 21.62      | 33          | PASS    |
|                |           |                |              | RB25#13 | 20.74          | 21.64      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.73          | 21.63      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.75          | 21.65      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.61          | 22.51      | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.28          | 22.18      | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.46          | 22.36      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.44          | 21.34      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB25#13 | 20.47          | 21.37      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.43          | 21.33      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.77          | 21.67      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.73          | 22.63      | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.38          | 22.28      | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.65          | 22.55      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.57          | 21.47      | 33          | PASS    |
|                |           |                |              | RB25#13 | 20.68          | 21.58      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.67          | 21.57      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.66          | 21.56      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 22.02          | 22.92      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.14          | 23.04      | 33          | PASS    |
|                |           |                |              | RB1#74  | 21.79          | 22.69      | 33          | PASS    |
|                |           |                |              | RB38#0  | 20.67          | 21.57      | 33          | PASS    |
|                |           |                |              | RB38#19 | 20.65          | 21.55      | 33          | PASS    |
|                |           |                |              | RB38#39 | 20.59          | 21.49      | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.64          | 21.54      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                | MCH          | RB1#0   | 21.59          | 22.49      | 33          | PASS    |
|                |           |                |              | RB1#38  | 21.69          | 22.59      | 33          | PASS    |
|                |           |                |              | RB1#74  | 21.49          | 22.39      | 33          | PASS    |
|                |           |                |              | RB38#0  | 20.49          | 21.39      | 33          | PASS    |
|                |           |                |              | RB38#19 | 20.41          | 21.31      | 33          | PASS    |
|                |           |                |              | RB38#39 | 20.63          | 21.53      | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.79          | 21.69      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.69          | 22.59      | 33          | PASS    |
|                |           |                |              | RB1#38  | 21.74          | 22.64      | 33          | PASS    |
|                |           |                |              | RB1#74  | 21.56          | 22.46      | 33          | PASS    |
|                |           |                |              | RB38#0  | 20.59          | 21.49      | 33          | PASS    |
|                |           |                |              | RB38#19 | 20.59          | 21.49      | 33          | PASS    |
|                |           |                |              | RB38#39 | 20.71          | 21.61      | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.82          | 21.72      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 21.63          | 22.53      | 33          | PASS    |
|                |           |                |              | RB1#50  | 21.44          | 22.34      | 33          | PASS    |
|                |           |                |              | RB1#99  | 21.81          | 22.71      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB50#0  | 20.47          | 21.37      | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.67          | 21.57      | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.62          | 21.52      | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.72          | 21.62      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.47          | 22.37      | 33          | PASS    |
|                |           |                |              | RB1#50  | 21.40          | 22.30      | 33          | PASS    |
|                |           |                |              | RB1#99  | 21.87          | 22.77      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.38          | 21.28      | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.44          | 21.34      | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.52          | 21.42      | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.67          | 21.57      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.65          | 22.55      | 33          | PASS    |
|                |           |                |              | RB1#50  | 21.40          | 22.30      | 33          | PASS    |
|                |           |                |              | RB1#99  | 21.86          | 22.76      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.54          | 21.44      | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.68          | 21.58      | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.64          | 21.54      | 33          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB100#0 | 20.79          | 21.69      | 33          | PASS    |

Note1:

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

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

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

b, SGP = Signal Generator Level

Note2:

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

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

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

SET Sweep time = auto - couple.

Detector: RMS

## 2Appendix\_B: Peak-to-Average Ratio

### Part I - Test Results

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| Band7              | LTE/TM1   | 5                    | LCH          | RB1#0   | 3.97         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 3.78         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 3.90         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.26         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.40         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.36         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.60         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.03         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.06         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.30         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.22         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.02         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.55         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.63         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.10         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 3.85         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 3.83         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.20         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.08         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.63         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 3.86         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 3.97         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.85         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.36         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.37         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.93         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.08         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.14         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.17         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.16         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.81         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      | HCH          | RB1#0   | 3.84         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 3.86         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.89         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.21         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.22         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.39         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.81         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 4.37         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 3.75         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.03         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.54         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.95         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 3.87         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.16         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.23         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.10         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.91         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 3.99         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 3.90         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 4.96         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.23         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.38         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.89         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.10         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 3.84         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.07         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.10         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.53         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.99         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.07         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.30         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.26         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB50#25 | 5.24         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.55         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.87         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.09         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.08         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.26         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.44         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.93         | 13         | PASS    |
|                    | LTE/TM2   | 5                    | LCH          | RB1#0   | 4.29         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.00         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.03         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 4.77         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.72         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.65         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.03         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.15         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 4.78         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.57         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 4.74         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.47         | 13         | PASS    |
|                    |           | 10                   | HCH          | RB1#0   | 4.13         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.22         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.20         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 4.56         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.40         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 4.70         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.34         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 4.21         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.37         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.03         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 4.87         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 4.55         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 4.82         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.60         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.34         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#25  | 4.43         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 4.85         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.05         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.59         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.61         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.36         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.52         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 4.97         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.60         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.12         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.49         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 4.97         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.64         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.14         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.49         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 4.95         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.56         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.40         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 4.64         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 4.58         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.02         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.62         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.58         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.08         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.60         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 4.91         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 4.58         | 13         | PASS    |





| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB50#50 | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.65         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.03         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.13         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.16         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 4.68         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 4.94         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 4.91         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.66         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 3.95         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.47         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 4.56         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 4.85         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 4.98         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.74         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

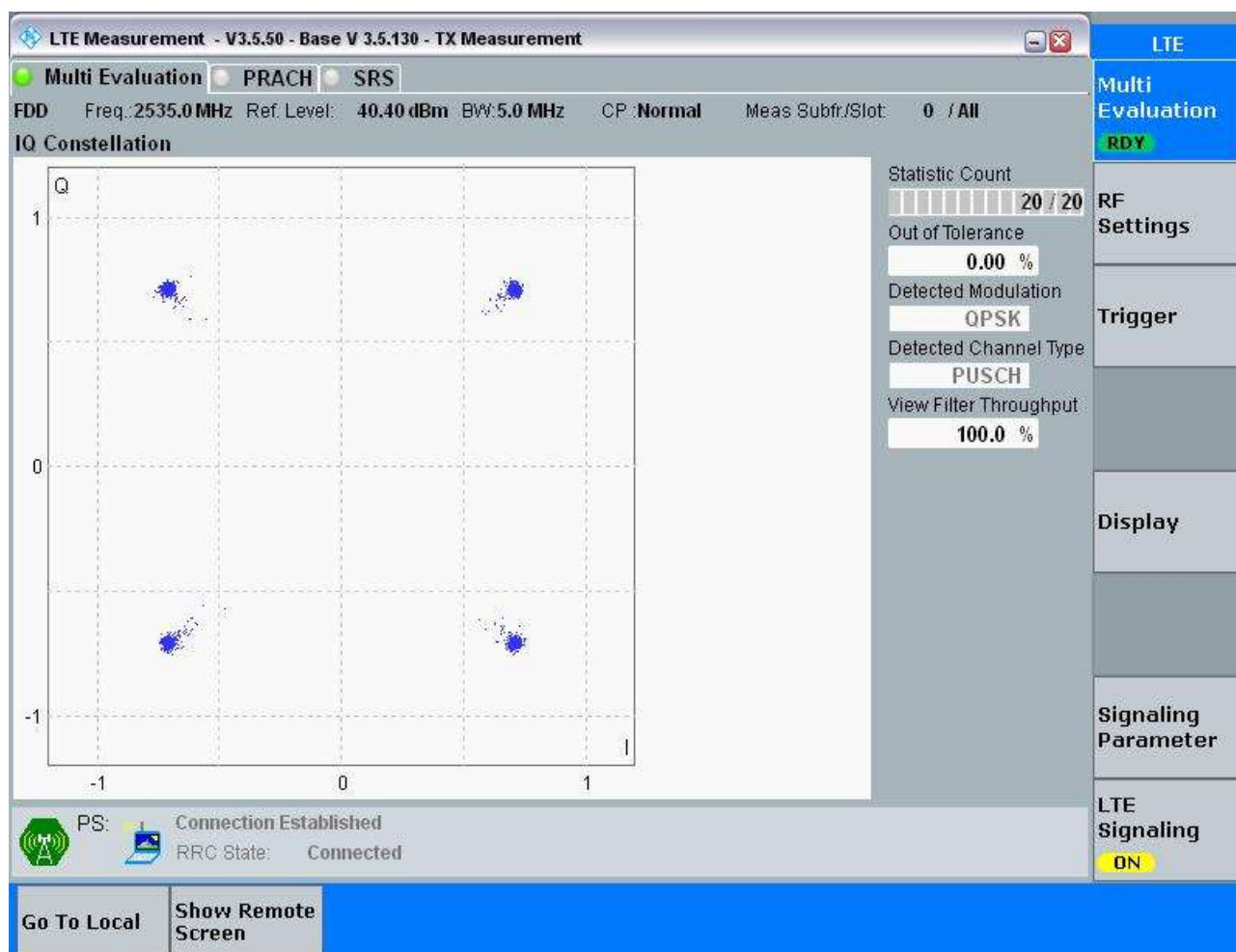
##### 3.1.1 Test Band = Band7

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

##### 3.1.1.1.1 Test Bandwidth = 5

##### 3.1.1.1.1.1 Test Channel = MCH

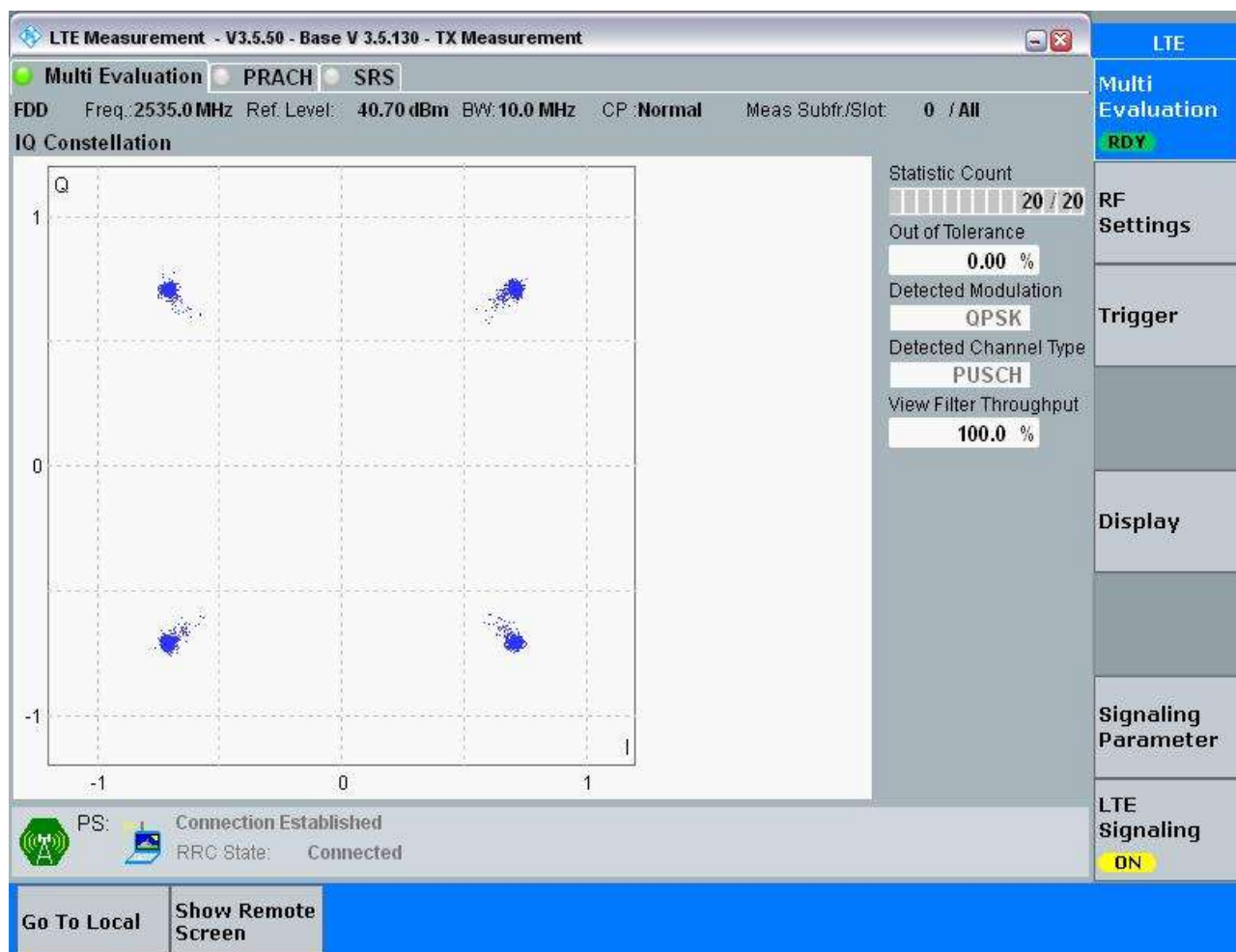
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 3.1.1.1.2 Test Bandwidth = 10

#### 3.1.1.1.2.1 Test Channel = MCH

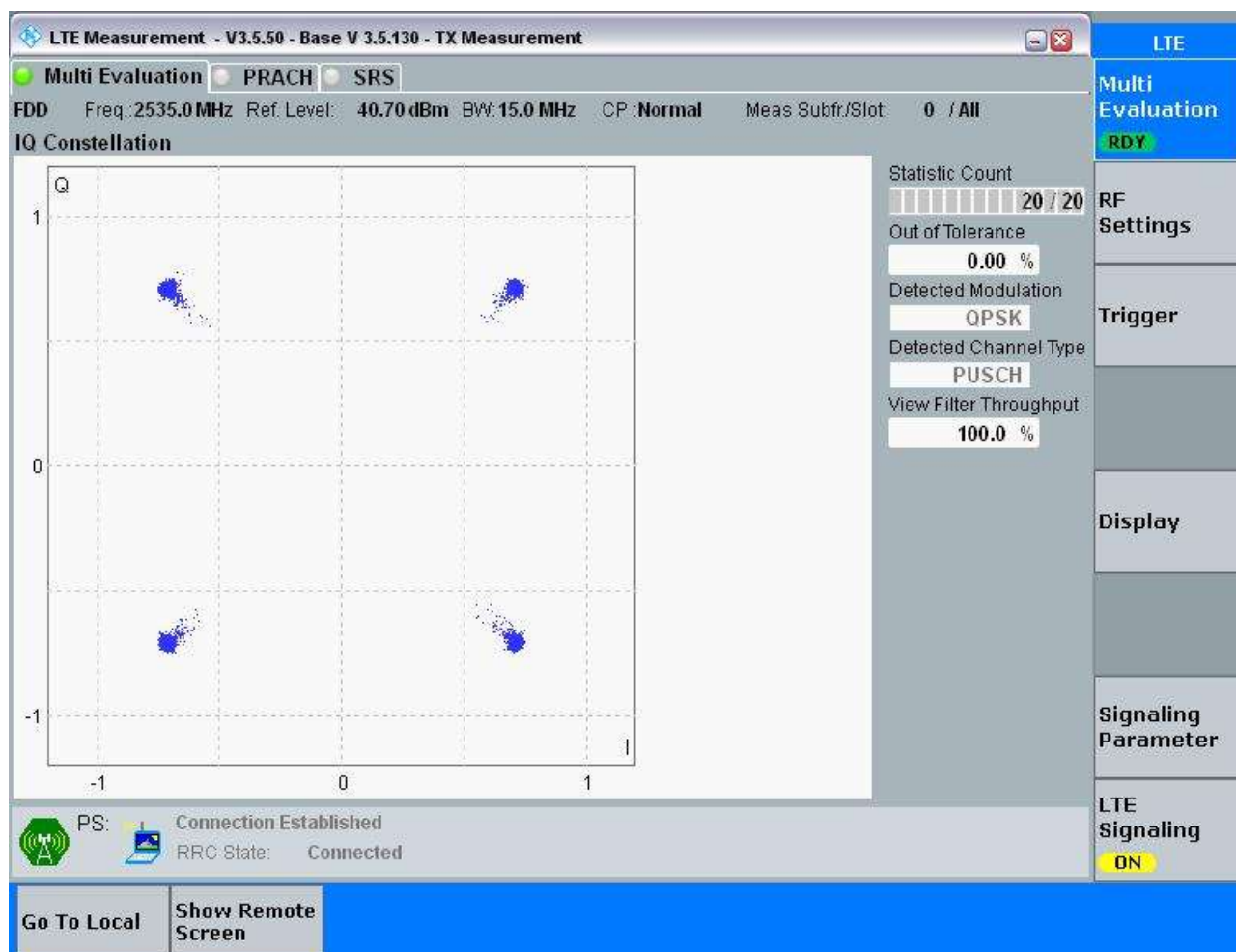
##### 3.1.1.1.2.1.1 Test RB = RB50#0



### 3.1.1.1.3 Test Bandwidth = 15

#### 3.1.1.1.3.1 Test Channel = MCH

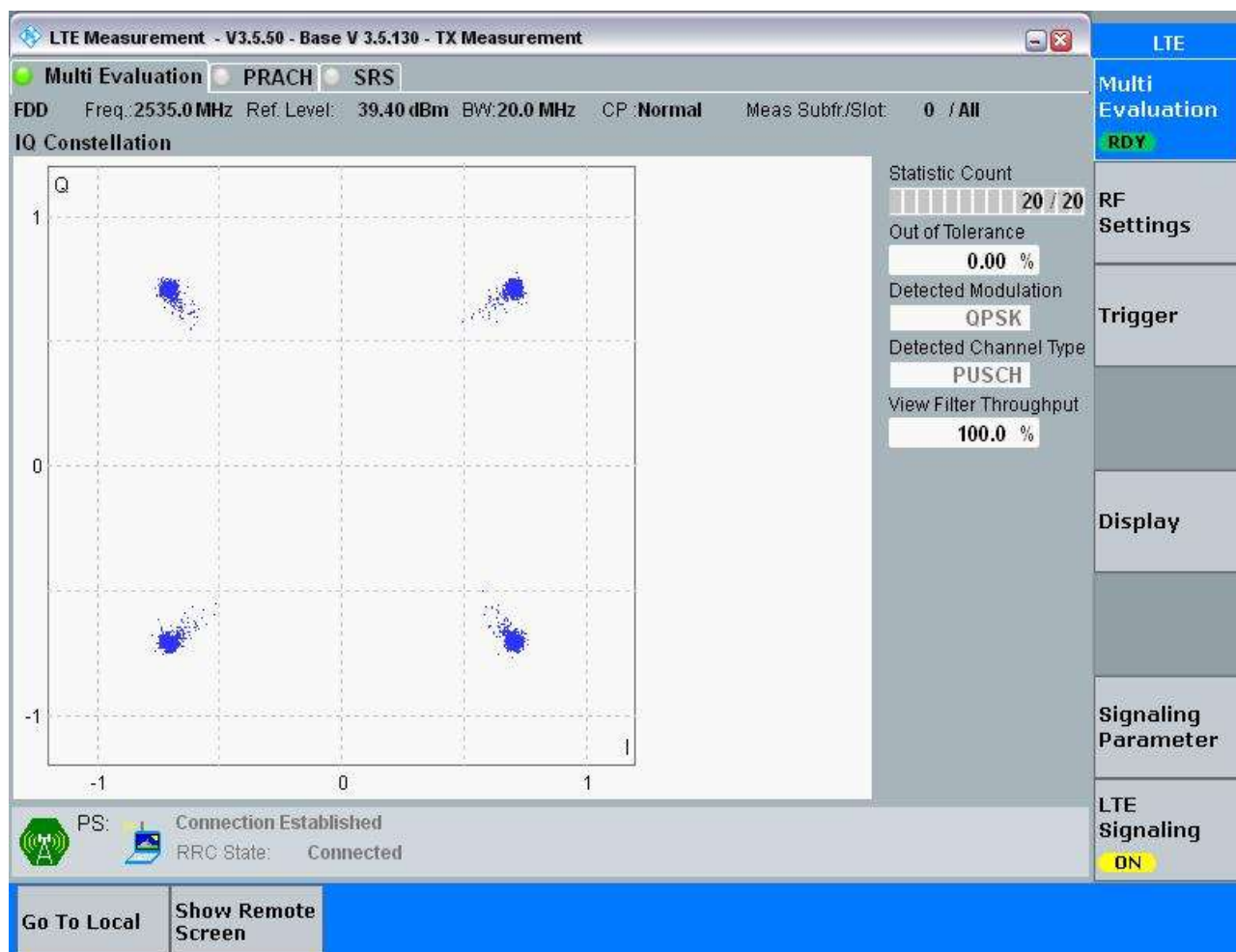
##### 3.1.1.1.3.1.1 Test RB = RB75#0



### 3.1.1.1.4 Test Bandwidth = 20

#### 3.1.1.1.4.1 Test Channel = MCH

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

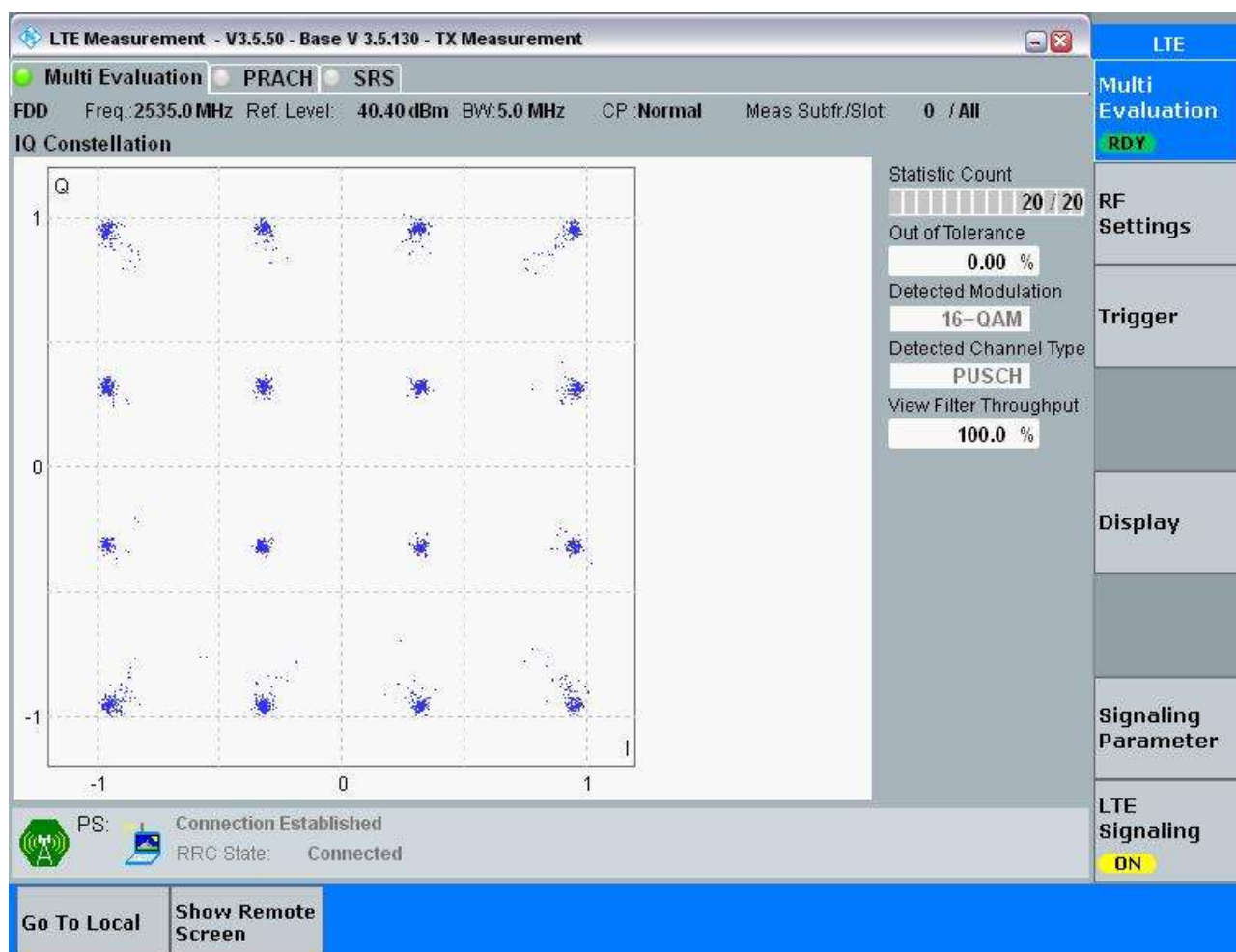


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 5

##### 3.1.1.2.1.1 Test Channel = MCH

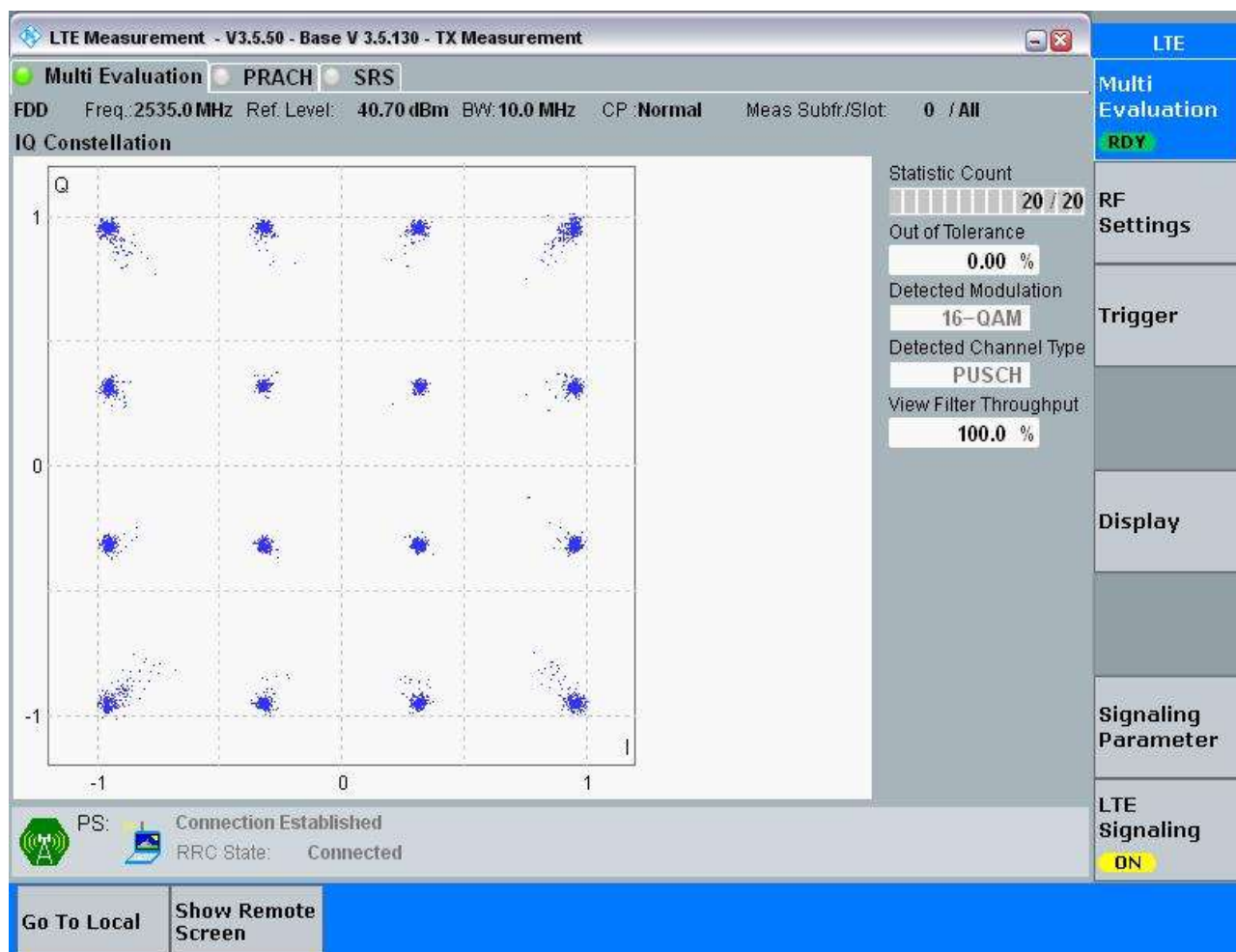
##### 3.1.1.2.1.1.1 Test RB = RB25#0



### 3.1.1.2.2 Test Bandwidth = 10

#### 3.1.1.2.2.1 Test Channel = MCH

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

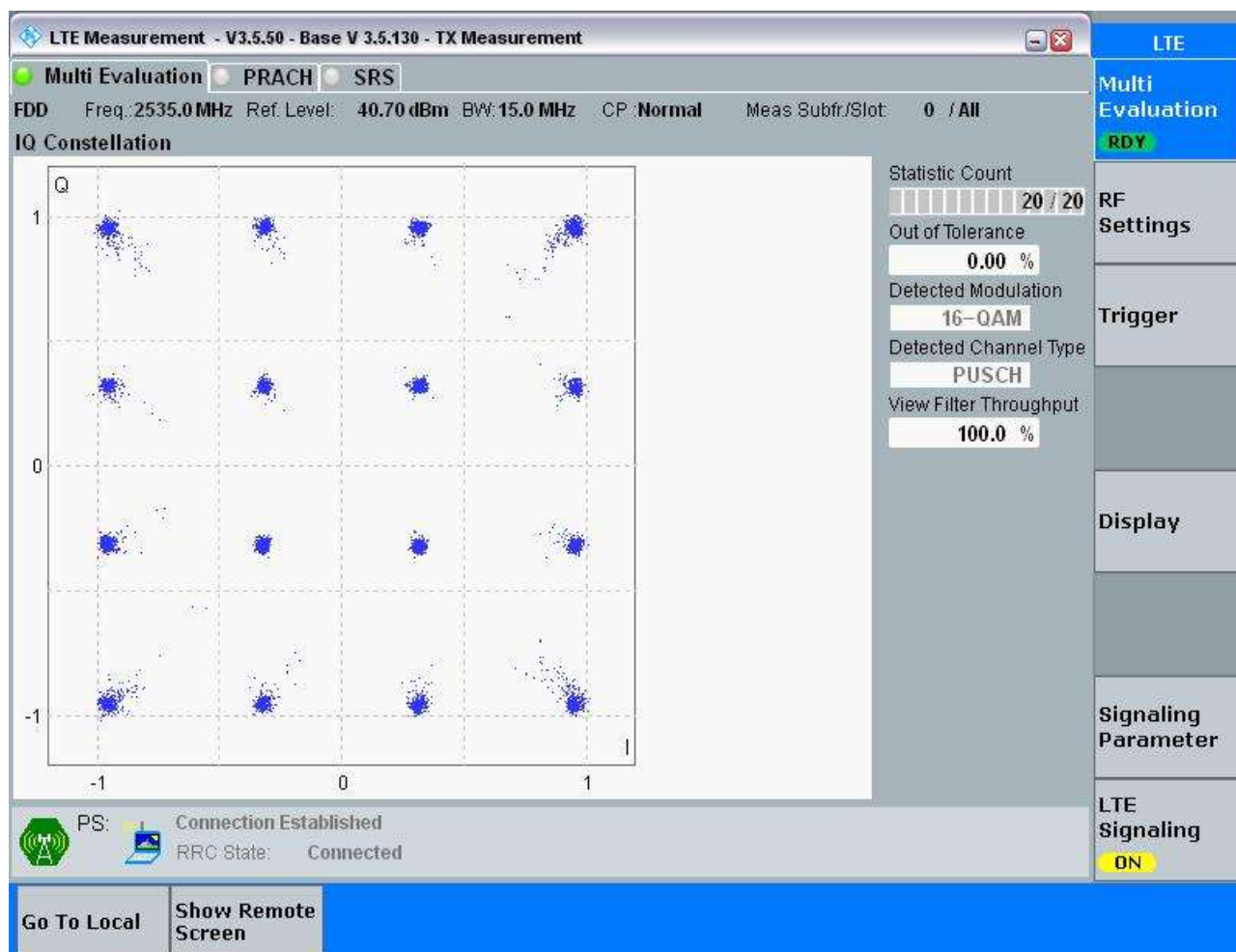




### 3.1.1.2.3 Test Bandwidth = 15

#### 3.1.1.2.3.1 Test Channel = MCH

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

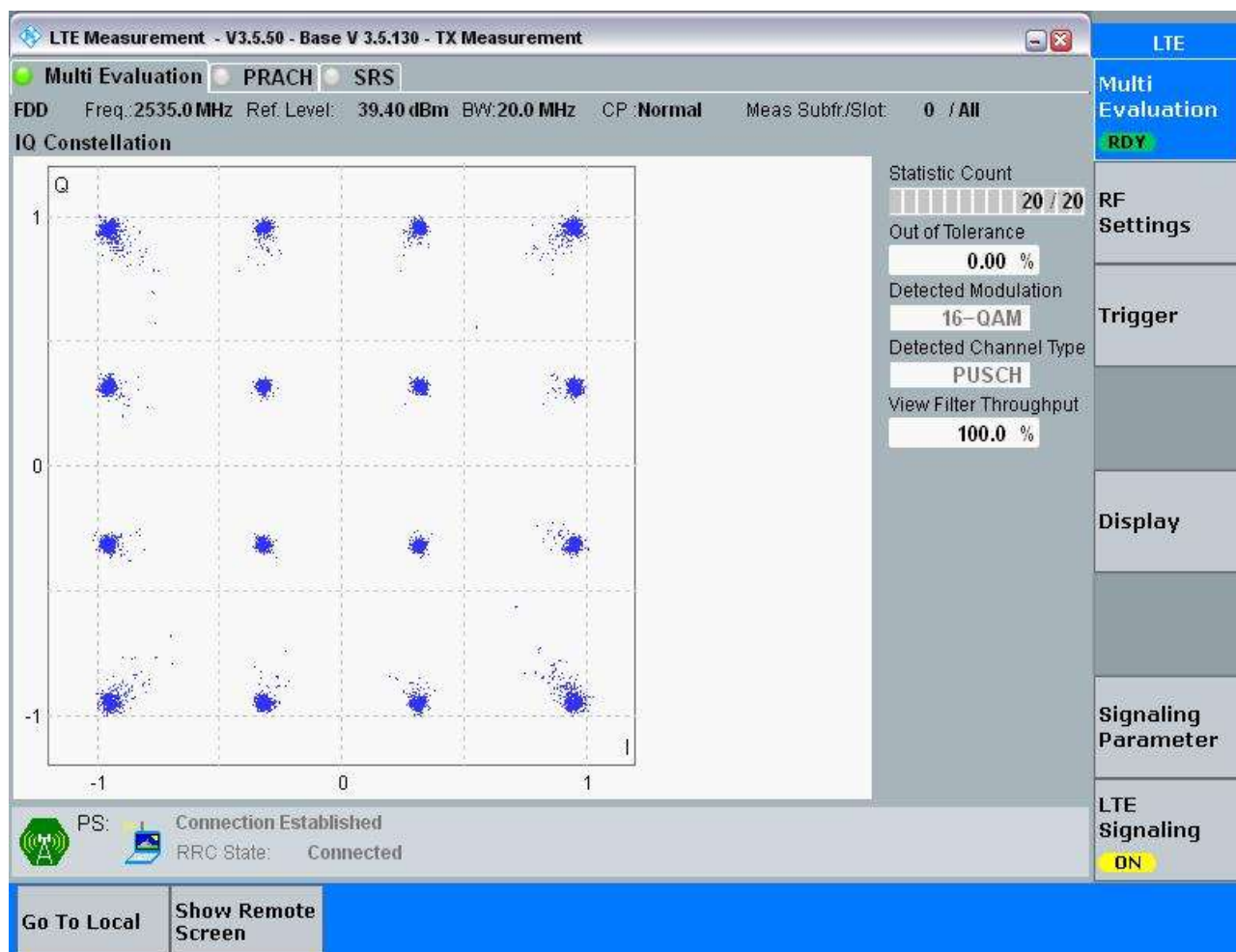




### 3.1.1.2.4 Test Bandwidth = 20

#### 3.1.1.2.4.1 Test Channel = MCH

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



## 4Appendix\_D: Bandwidth

### Part I - Test Results

| Test Band | Test Mode | Test Bandwidth | Test Channel | Test RB | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| Band7     | LTE/TM1   | 5              | LCH          | RB25#0  | 4.51                     | 4.95                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.51                     | 4.94                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.51                     | 4.95                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 9.01                     | 9.88                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.99                     | 9.83                     | Pass    |
|           |           |                | HCH          | RB50#0  | 9.00                     | 9.90                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.49                    | 14.99                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.51                    | 14.85                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.51                    | 14.87                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.98                    | 19.64                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.99                    | 19.65                    | Pass    |
|           |           |                | HCH          | RB100#0 | 18.00                    | 19.77                    | Pass    |
|           | LTE/TM2   | 5              | LCH          | RB25#0  | 4.52                     | 4.96                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.51                     | 4.95                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.51                     | 4.96                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.98                     | 9.90                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.99                     | 9.92                     | Pass    |
|           |           |                | HCH          | RB50#0  | 9.01                     | 9.90                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.50                    | 14.97                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.51                    | 14.93                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.52                    | 14.98                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.98                    | 19.69                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.99                    | 19.69                    | Pass    |
|           |           |                | HCH          | RB100#0 | 18.03                    | 19.74                    | Pass    |

## Part II - Test Plots

### 4.1 For LTE

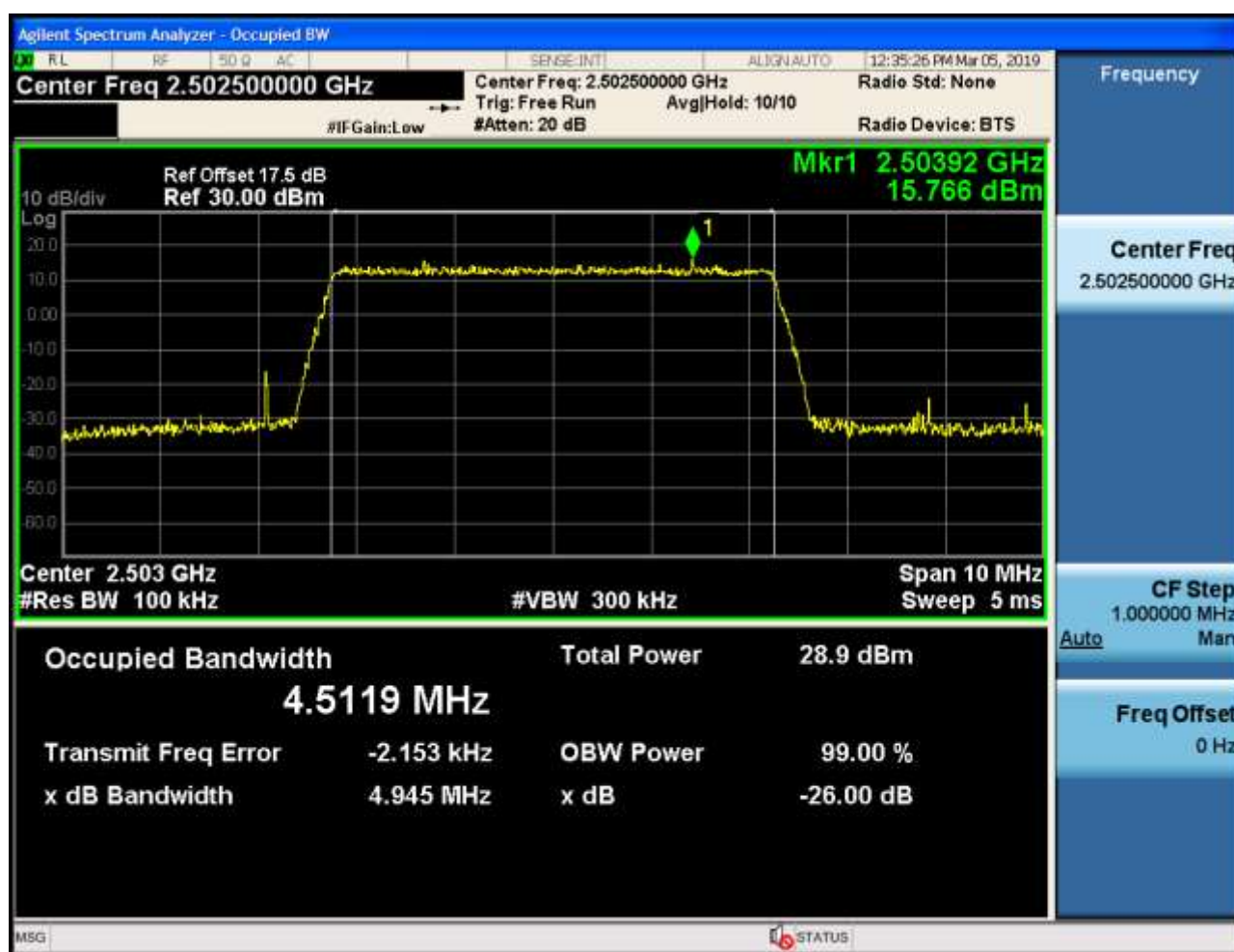
#### 4.1.1 Test Band = Band7

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

##### 4.1.1.1.1 Test Bandwidth = 5

##### 4.1.1.1.1.1 Test Channel = LCH

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



#### 4.1.1.1.1.2 Test Channel = MCH

#### 4.1.1.1.1.2.1 Test RB = RB25#0



#### 4.1.1.1.1.3 Test Channel = HCH

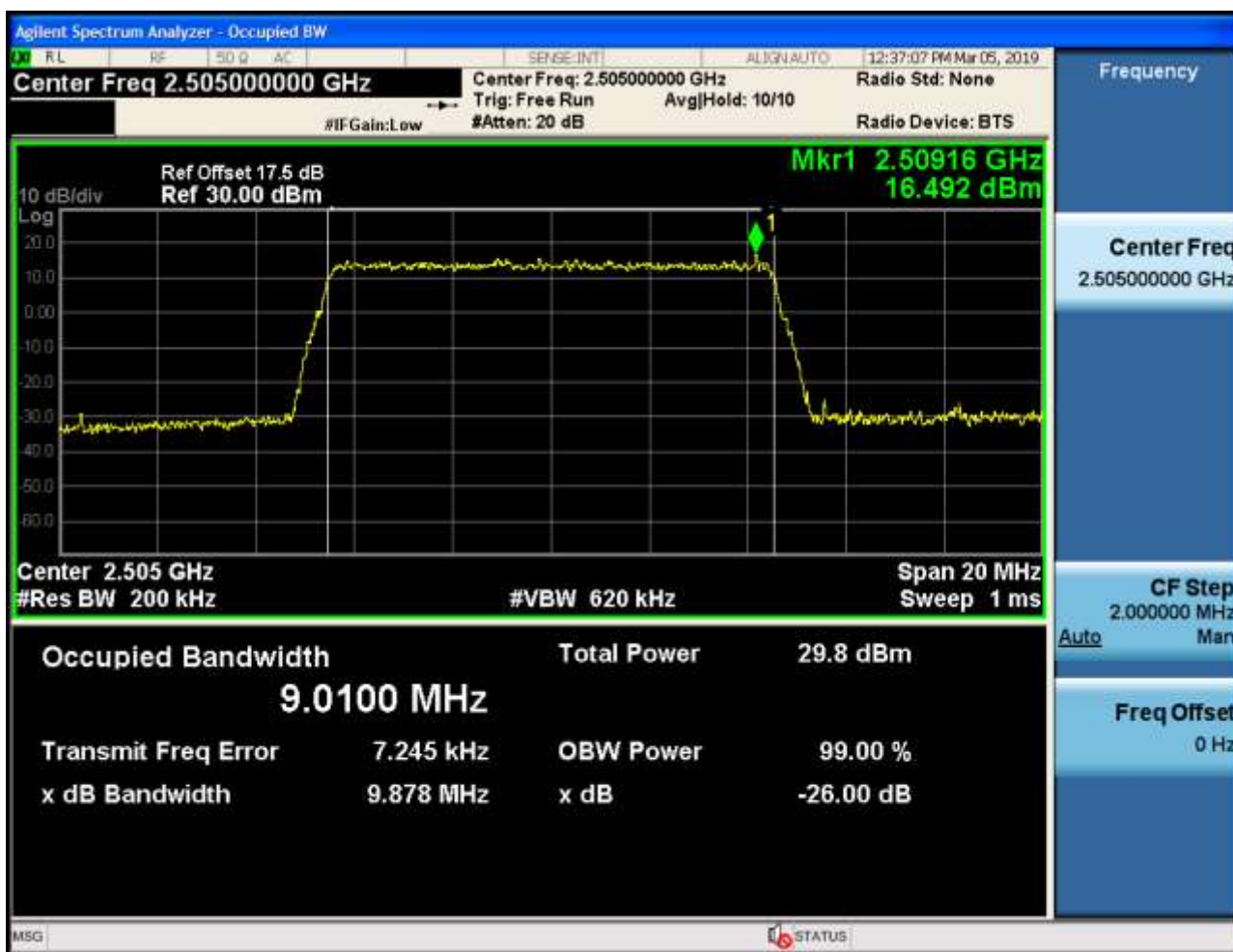
##### 4.1.1.1.1.3.1 Test RB = RB25#0



#### 4.1.1.1.2 Test Bandwidth = 10

##### 4.1.1.1.2.1 Test Channel = LCH

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





#### 4.1.1.1.2.2 Test Channel = MCH

##### 4.1.1.1.2.2.1 Test RB = RB50#0



#### 4.1.1.1.2.3 Test Channel = HCH

##### 4.1.1.1.2.3.1 Test RB = RB50#0

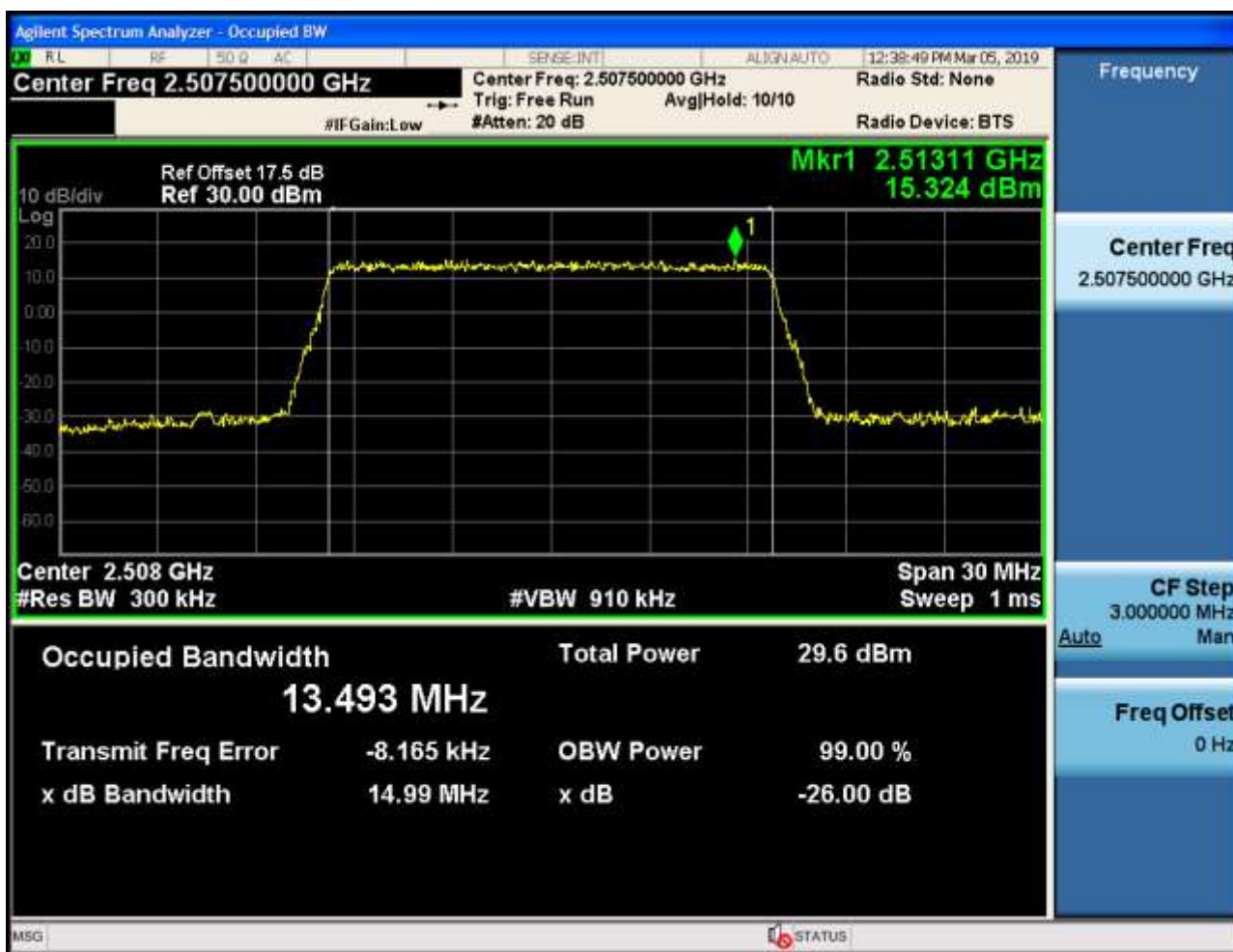




#### 4.1.1.1.3 Test Bandwidth = 15

##### 4.1.1.1.3.1 Test Channel = LCH

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



#### 4.1.1.1.3.2 Test Channel = MCH

##### 4.1.1.1.3.2.1 Test RB = RB75#0



#### 4.1.1.1.3.3 Test Channel = HCH

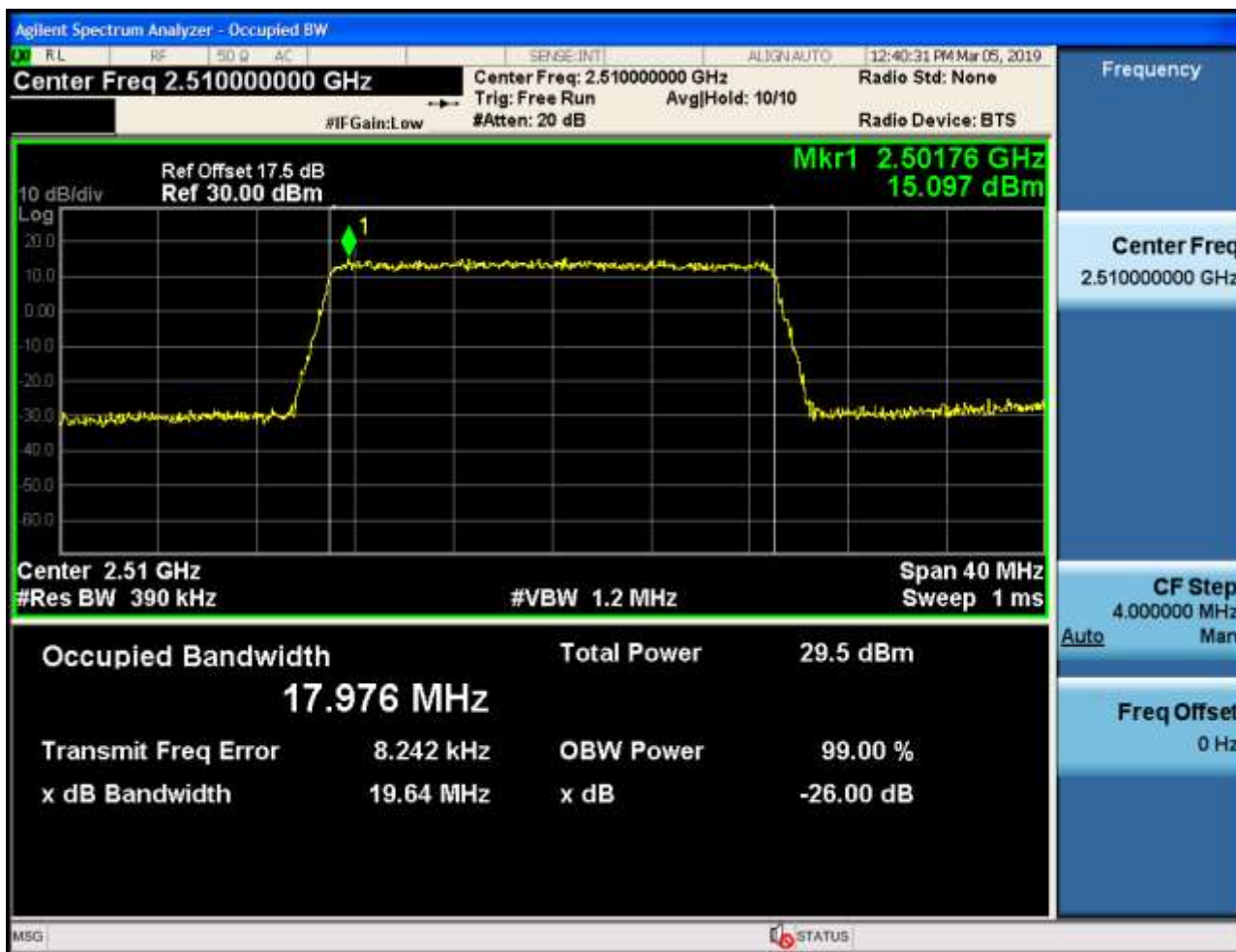
##### 4.1.1.1.3.3.1 Test RB = RB75#0



#### 4.1.1.1.4 Test Bandwidth = 20

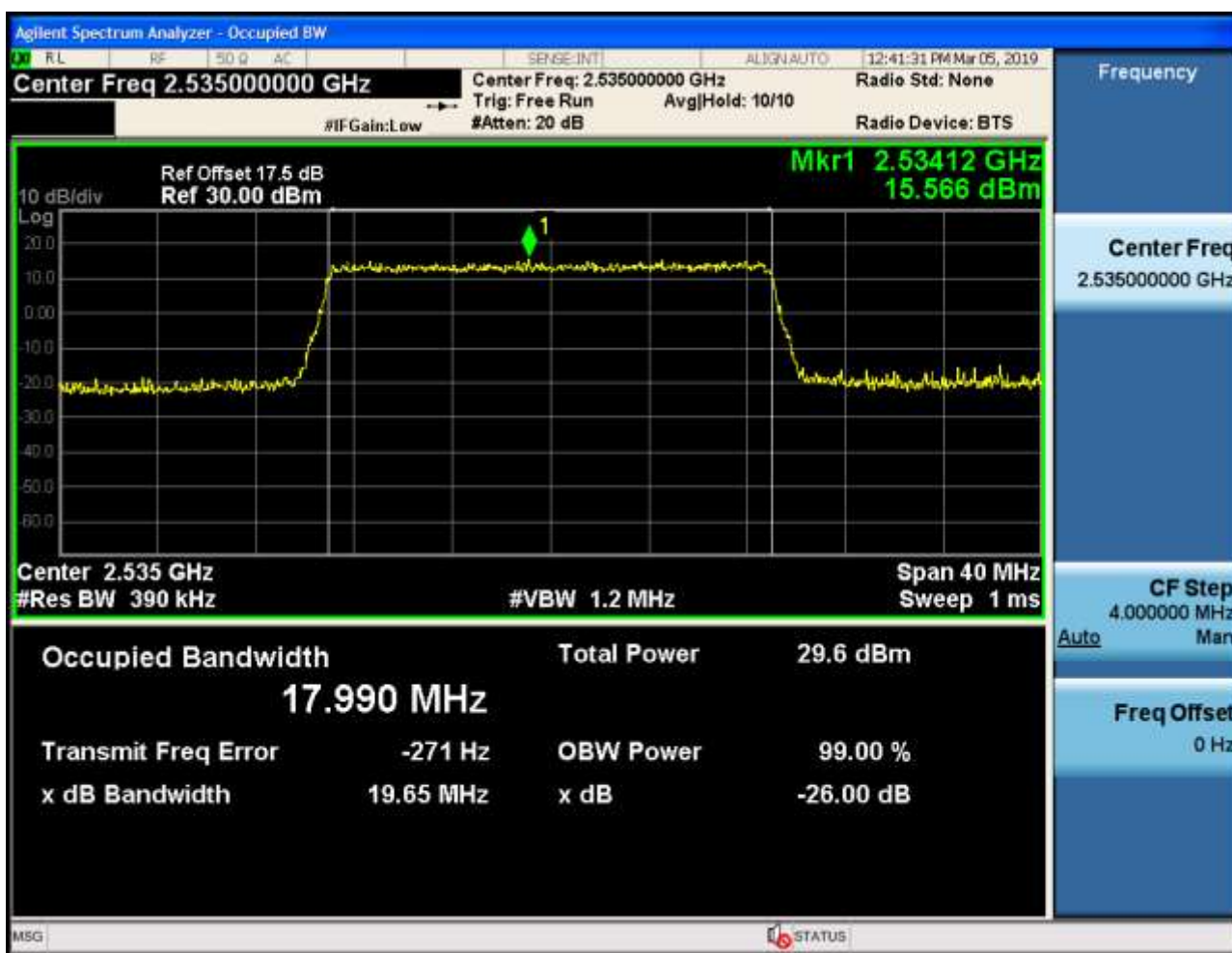
##### 4.1.1.1.4.1 Test Channel = LCH

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



#### 4.1.1.1.4.2 Test Channel = MCH

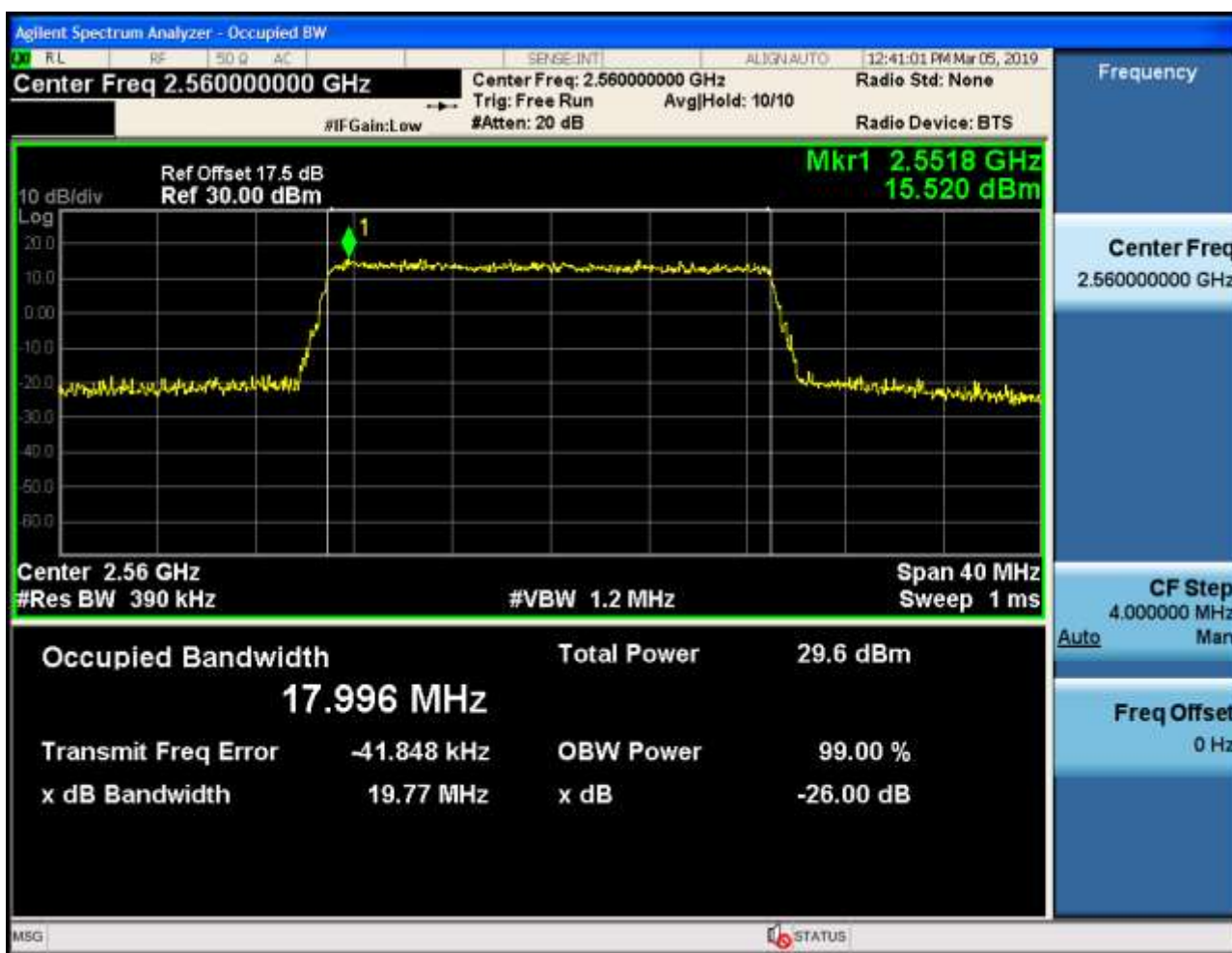
##### 4.1.1.1.4.2.1 Test RB = RB100#0





#### 4.1.1.1.4.3 Test Channel = HCH

##### 4.1.1.1.4.3.1 Test RB = RB100#0

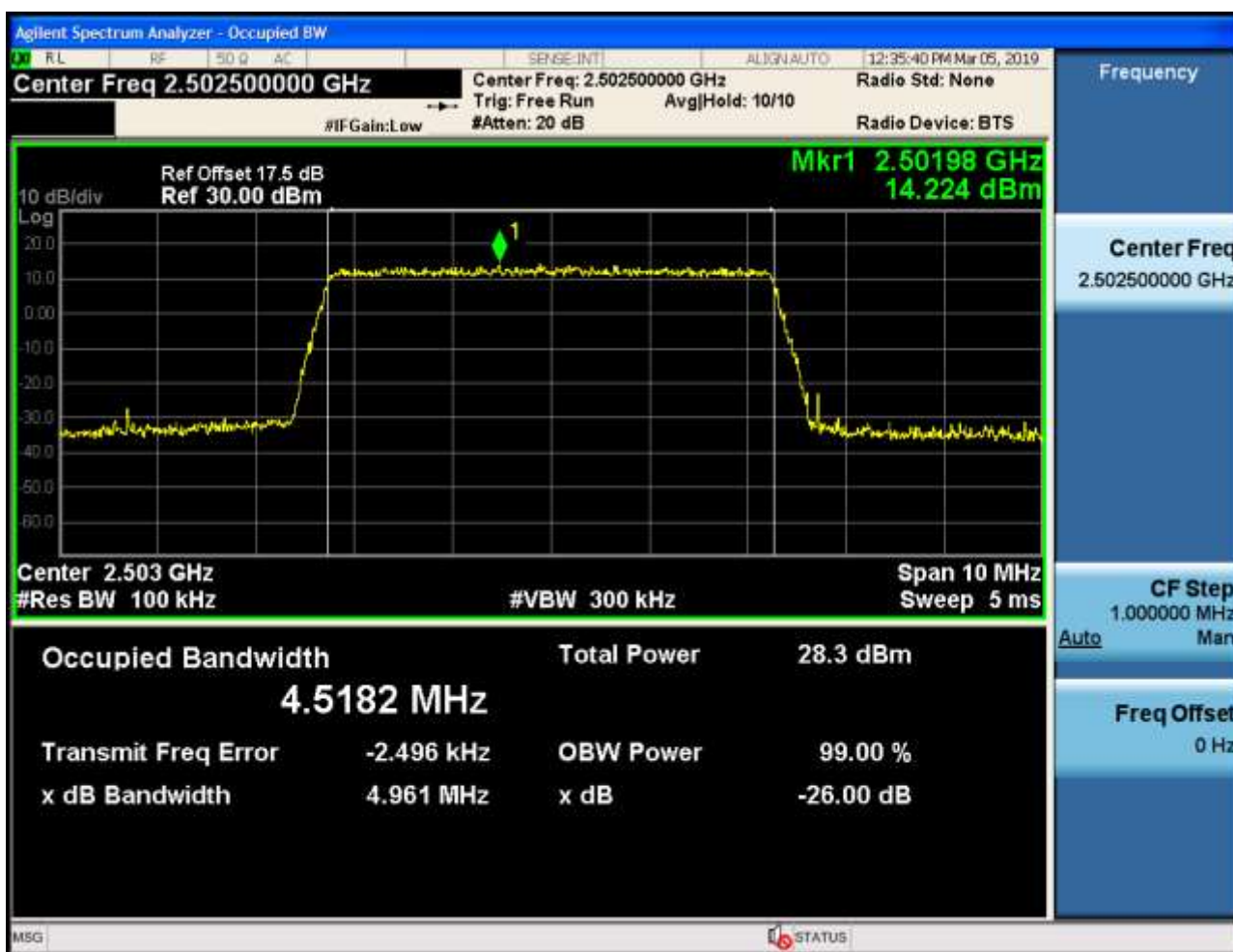


#### 4.1.1.2 Test Mode = LTE/TM2

##### 4.1.1.2.1 Test Bandwidth = 5

##### 4.1.1.2.1.1 Test Channel = LCH

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



#### 4.1.1.2.1.2 Test Channel = MCH

#### 4.1.1.2.1.2.1 Test RB = RB25#0





#### 4.1.1.2.1.3 Test Channel = HCH

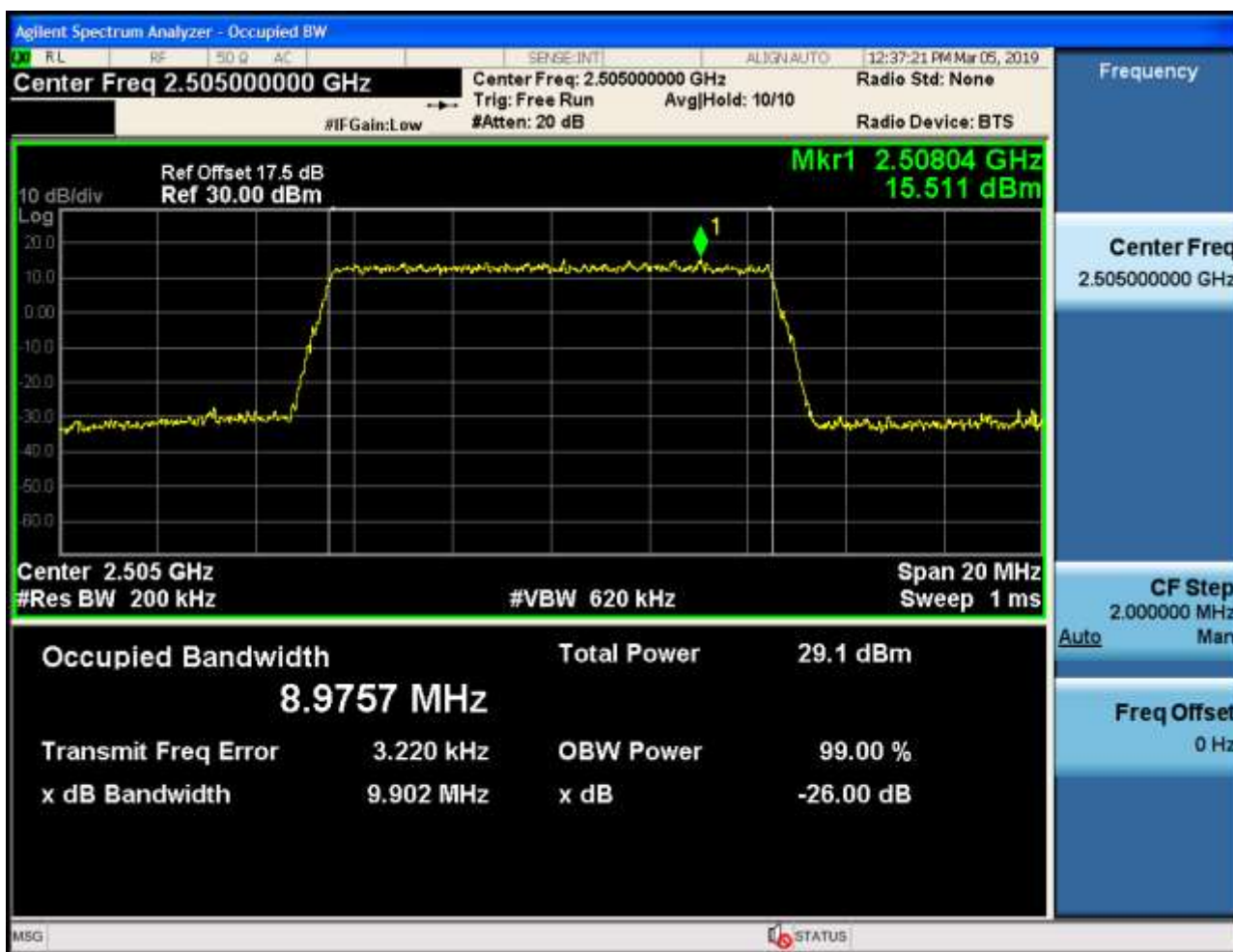
##### 4.1.1.2.1.3.1 Test RB = RB25#0



#### 4.1.1.2.2 Test Bandwidth = 10

##### 4.1.1.2.2.1 Test Channel = LCH

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



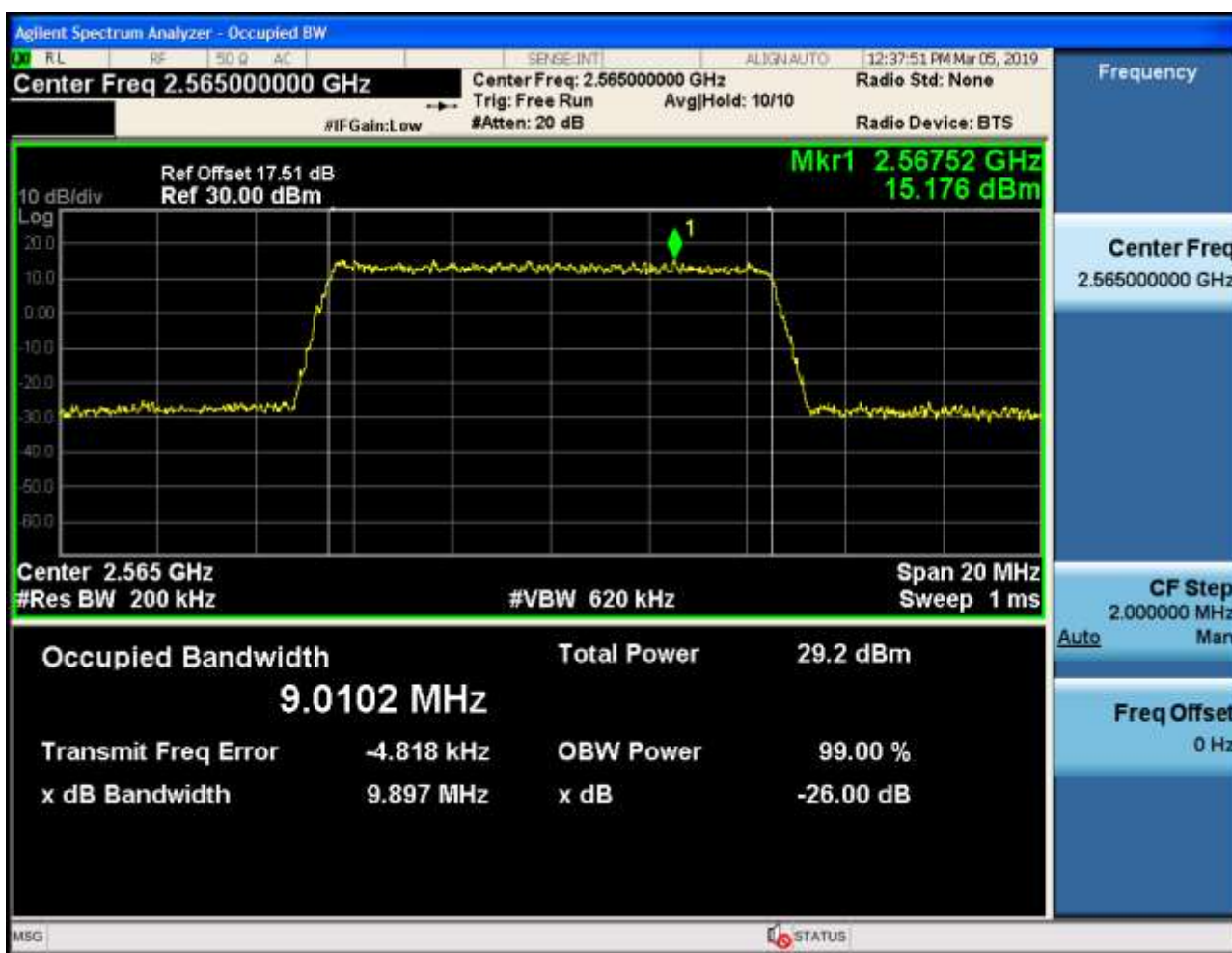
#### 4.1.1.2.2.2 Test Channel = MCH

##### 4.1.1.2.2.2.1 Test RB = RB50#0



#### 4.1.1.2.2.3 Test Channel = HCH

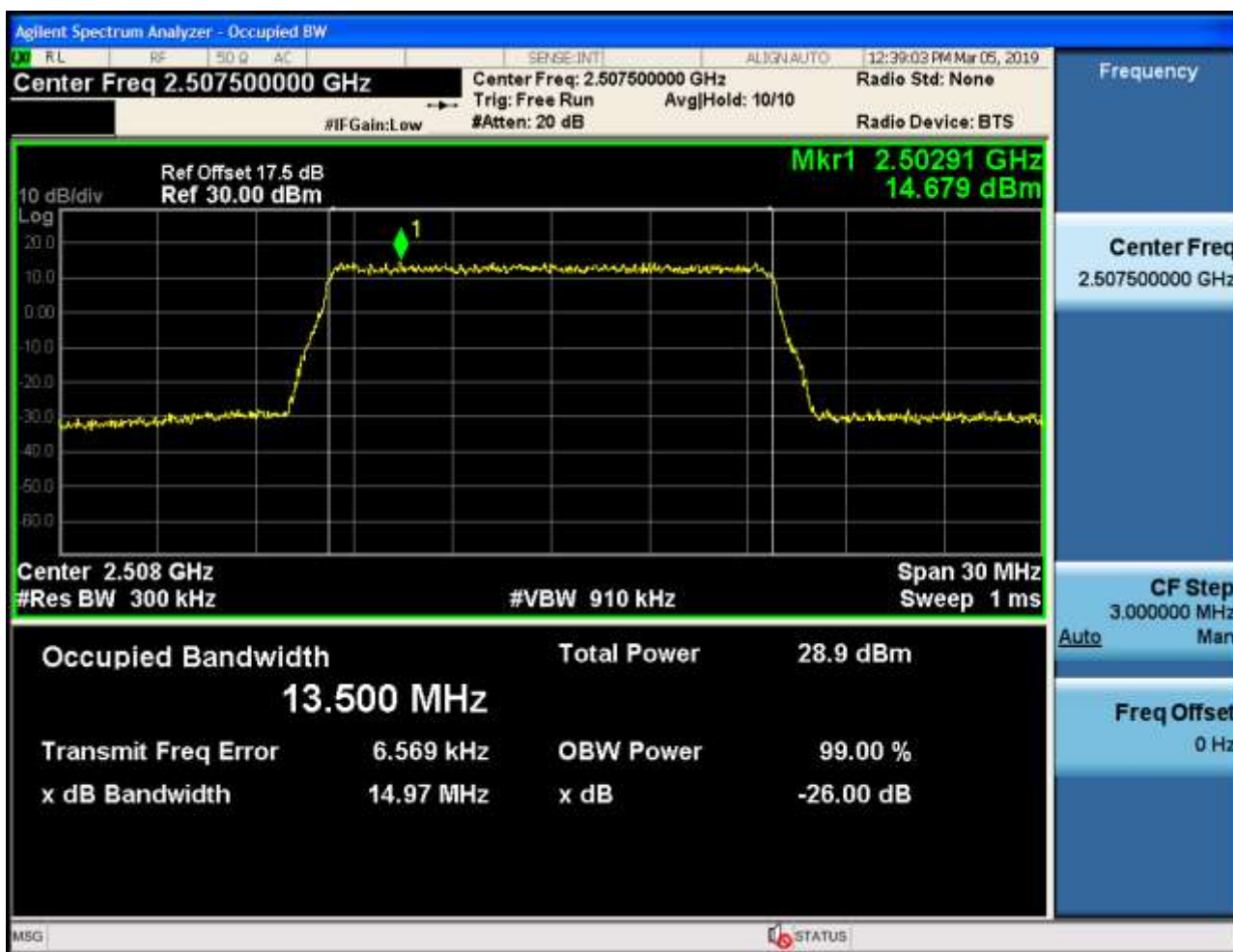
##### 4.1.1.2.2.3.1 Test RB = RB50#0



### 4.1.1.2.3 Test Bandwidth = 15

#### 4.1.1.2.3.1 Test Channel = LCH

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





#### 4.1.1.2.3.2 Test Channel = MCH

##### 4.1.1.2.3.2.1 Test RB = RB75#0



#### 4.1.1.2.3.3 Test Channel = HCH

##### 4.1.1.2.3.3.1 Test RB = RB75#0



#### 4.1.1.2.4 Test Bandwidth = 20

##### 4.1.1.2.4.1 Test Channel = LCH

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





#### 4.1.1.2.4.2 Test Channel = MCH

##### 4.1.1.2.4.2.1 Test RB = RB100#0



#### 4.1.1.2.4.3 Test Channel = HCH

##### 4.1.1.2.4.3.1 Test RB = RB100#0



## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

##### 5.1.1 Test Band = Band7

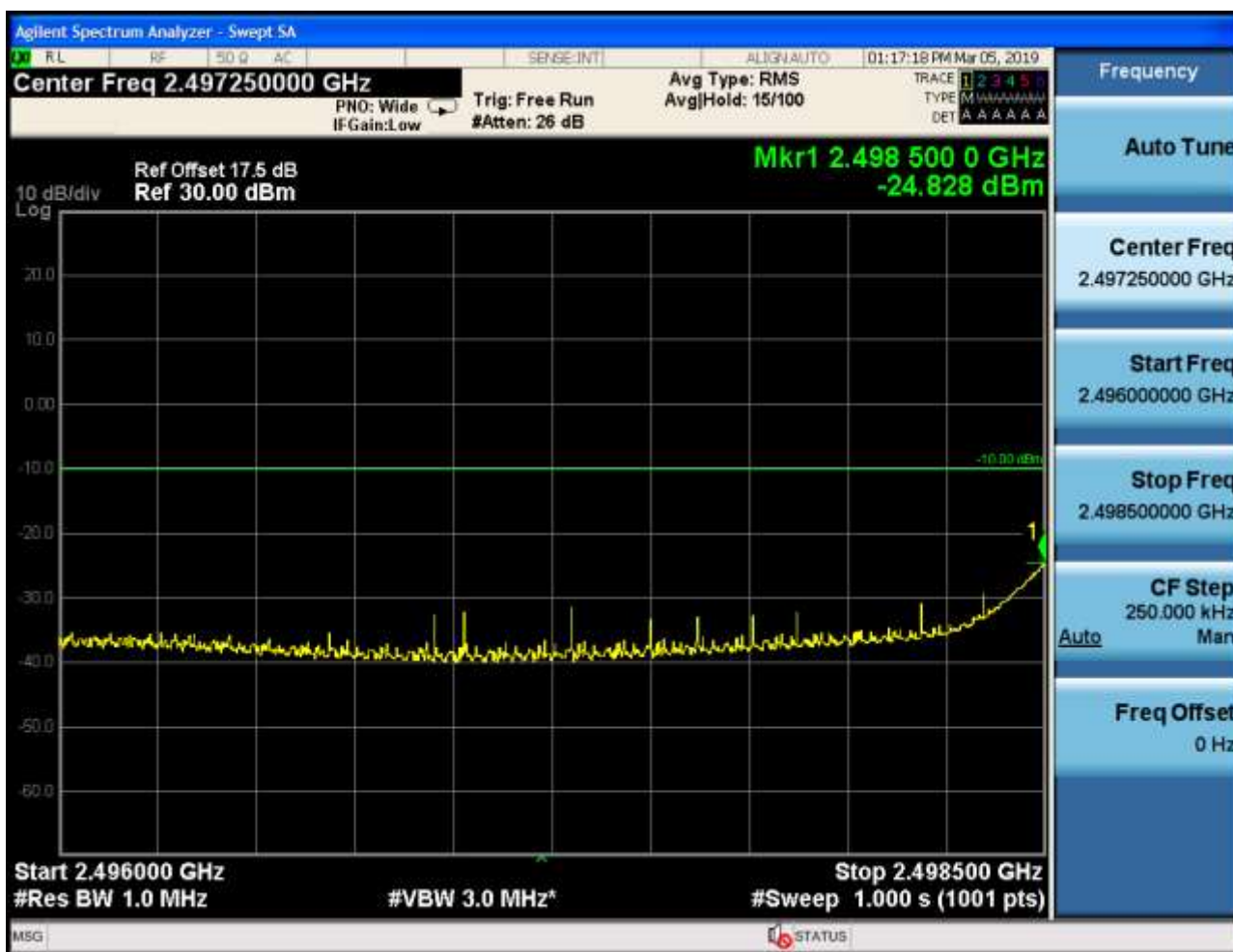
##### 5.1.1.1 Test Mode = LTE/TM1

##### 5.1.1.1.1 Test Bandwidth = 5

##### 5.1.1.1.1.1 Test Channel = LCH

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







### 5.1.1.1.1.2 Test RB = RB1#24











### 5.1.1.1.1.3 Test RB = RB12#6







# 5.1.1.1.1.4 Test RB = RB25#0











### 5.1.1.1.1.2 Test Channel = HCH

#### 5.1.1.1.1.2.1 Test RB = RB1#0







### 5.1.1.1.1.2.2 Test RB = RB1#24









### 5.1.1.1.1.2.3 Test RB = RB12#6









### 5.1.1.1.1.2.4 Test RB = RB25#0







### 5.1.1.1.2 Test Bandwidth = 10

#### 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#49







### 5.1.1.1.2.1.3 Test RB = RB25#13











### 5.1.1.1.2.1.4 Test RB = RB50#0







### 5.1.1.1.2.2 Test Channel = HCH

#### 5.1.1.1.2.2.1 Test RB = RB1#0









### 5.1.1.1.2.2.2 Test RB = RB1#49









### 5.1.1.1.2.2.3 Test RB = RB25#13







### 5.1.1.1.2.2.4 Test RB = RB50#0











### 5.1.1.1.3 Test Bandwidth = 15

#### 5.1.1.1.3.1 Test Channel = LCH

##### 5.1.1.1.3.1.1 Test RB = RB1#0







### 5.1.1.1.3.1.2 Test RB = RB1#74











### 5.1.1.1.3.1.3 Test RB = RB38#19







### 5.1.1.1.3.1.4 Test RB = RB75#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#74







### 5.1.1.1.3.2.3 Test RB = RB38#19











### 5.1.1.1.3.2.4 Test RB = RB75#0







#### 5.1.1.1.4 Test Bandwidth = 20

##### 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#99







### 5.1.1.1.4.1.3 Test RB = RB50#25









### 5.1.1.1.4.1.4 Test RB = RB100#0









#### 5.1.1.1.4.2 Test Channel = HCH

##### 5.1.1.1.4.2.1 Test RB = RB1#0



