



Appendix for test report

**1Appendix_A: Effective (Isotropic) Radiated Power Output Data****Part I - Test Results**

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| BAND7 | LTE/TM1 | 5 | LCH | RB1#0 | 22.64 | 21.91 | 33 | PASS |
| | | | | RB1#13 | 22.66 | 21.93 | 33 | PASS |
| | | | | RB1#24 | 22.61 | 22.08 | 33 | PASS |
| | | | | RB12#0 | 21.58 | 21.08 | 33 | PASS |
| | | | | RB12#6 | 21.53 | 20.99 | 33 | PASS |
| | | | | RB12#13 | 21.57 | 20.92 | 33 | PASS |
| | | | | RB25#0 | 21.51 | 20.96 | 33 | PASS |
| | | | MCH | RB1#0 | 22.48 | 21.89 | 33 | PASS |
| | | | | RB1#13 | 22.55 | 22.10 | 33 | PASS |
| | | | | RB1#24 | 22.53 | 21.87 | 33 | PASS |
| | | | | RB12#0 | 21.56 | 20.84 | 33 | PASS |
| | | | | RB12#6 | 21.51 | 20.83 | 33 | PASS |
| | | | | RB12#13 | 21.63 | 21.18 | 33 | PASS |
| | | | | RB25#0 | 21.55 | 20.82 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | HCH | RB1#0 | 22.7 | 22.09 | 33 | PASS |
| | | | | RB1#13 | 22.68 | 21.93 | 33 | PASS |
| | | | | RB1#24 | 22.71 | 22.02 | 33 | PASS |
| | | | | RB12#0 | 21.61 | 20.94 | 33 | PASS |
| | | | | RB12#6 | 21.64 | 21.07 | 33 | PASS |
| | | | | RB12#13 | 21.6 | 21.12 | 33 | PASS |
| | | | | RB25#0 | 21.61 | 21.16 | 33 | PASS |
| | | 10 | LCH | RB1#0 | 22.5 | 22.00 | 33 | PASS |
| | | | | RB1#25 | 22.32 | 21.71 | 33 | PASS |
| | | | | RB1#49 | 22.33 | 21.77 | 33 | PASS |
| | | | | RB25#0 | 21.47 | 20.79 | 33 | PASS |
| | | | | RB25#13 | 21.38 | 20.66 | 33 | PASS |
| | | | | RB25#25 | 21.36 | 20.71 | 33 | PASS |
| | | | | RB50#0 | 21.38 | 20.82 | 33 | PASS |
| | | | | MCH | RB1#0 | 22.35 | 21.86 | 33 |
| RB1#25 | 22.34 | 21.86 | 33 | | PASS | | | |
| RB1#49 | 22.56 | 22.01 | 33 | | PASS | | | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict | |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|------|
| | | | | RB25#0 | 21.41 | 20.80 | 33 | PASS | |
| | | | | RB25#13 | 21.47 | 20.86 | 33 | PASS | |
| | | | | RB25#25 | 21.44 | 20.89 | 33 | PASS | |
| | | | | RB50#0 | 21.49 | 20.77 | 33 | PASS | |
| | | | HCH | RB1#0 | 22.6 | 21.93 | 33 | PASS | |
| | | | | RB1#25 | 22.34 | 21.75 | 33 | PASS | |
| | | | | RB1#49 | 22.48 | 21.88 | 33 | PASS | |
| | | | | RB25#0 | 21.62 | 20.88 | 33 | PASS | |
| | | | | RB25#13 | 21.56 | 20.82 | 33 | PASS | |
| | | | | RB25#25 | 21.46 | 21.01 | 33 | PASS | |
| | | | | RB50#0 | 21.47 | 20.74 | 33 | PASS | |
| | | | | 15 | LCH | RB1#0 | 22.34 | 21.63 | 33 |
| | | | RB1#38 | | | 22.31 | 21.62 | 33 | PASS |
| | | | RB1#74 | | | 22.19 | 21.74 | 33 | PASS |
| | | RB36#0 | 21.29 | | | 20.69 | 33 | PASS | |
| | | RB36#18 | 21.28 | | | 20.78 | 33 | PASS | |
| | | RB36#39 | 21.31 | | | 20.56 | 33 | PASS | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB75#0 | 21.28 | 20.78 | 33 | PASS |
| | | | MCH | RB1#0 | 22.24 | 21.69 | 33 | PASS |
| | | | | RB1#38 | 22.33 | 21.80 | 33 | PASS |
| | | | | RB1#74 | 22.21 | 21.75 | 33 | PASS |
| | | | | RB36#0 | 21.45 | 20.77 | 33 | PASS |
| | | | | RB36#18 | 21.42 | 20.84 | 33 | PASS |
| | | | | RB36#39 | 21.39 | 20.77 | 33 | PASS |
| | | | | RB75#0 | 21.42 | 20.73 | 33 | PASS |
| | | | | HCH | RB1#0 | 22.45 | 21.94 | 33 |
| | | | RB1#38 | | 22.5 | 21.91 | 33 | PASS |
| | | | RB1#74 | | 22.26 | 21.63 | 33 | PASS |
| | | | RB36#0 | | 21.48 | 20.87 | 33 | PASS |
| | | | RB36#18 | | 21.51 | 20.81 | 33 | PASS |
| | | | RB36#39 | | 21.47 | 20.76 | 33 | PASS |
| | | | RB75#0 | | 21.44 | 20.91 | 33 | PASS |
| | | 20 | LCH | | RB1#0 | 22.37 | 21.90 | 33 |
| | | | | RB1#50 | 22.27 | 21.61 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB1#99 | 22.6 | 22.07 | 33 | PASS |
| | | | | RB50#0 | 21.59 | 21.06 | 33 | PASS |
| | | | | RB50#25 | 21.44 | 20.72 | 33 | PASS |
| | | | | RB50#50 | 21.45 | 20.73 | 33 | PASS |
| | | | | RB100#0 | 21.51 | 20.83 | 33 | PASS |
| | | | MCH | RB1#0 | 22.34 | 21.68 | 33 | PASS |
| | | | MCH | RB1#50 | 22.32 | 21.65 | 33 | PASS |
| | | | MCH | RB1#99 | 22.69 | 22.10 | 33 | PASS |
| | | | MCH | RB50#0 | 21.61 | 21.04 | 33 | PASS |
| | | | MCH | RB50#25 | 21.62 | 20.94 | 33 | PASS |
| | | | MCH | RB50#50 | 21.56 | 21.09 | 33 | PASS |
| | | | MCH | RB100#0 | 21.65 | 20.99 | 33 | PASS |
| | | | HCH | RB1#0 | 22.61 | 22.07 | 33 | PASS |
| | | | HCH | RB1#50 | 22.38 | 21.74 | 33 | PASS |
| | | | HCH | RB1#99 | 22.63 | 22.13 | 33 | PASS |
| | | | HCH | RB50#0 | 21.61 | 20.88 | 33 | PASS |
| | | | HCH | RB50#25 | 21.67 | 21.15 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB50#50 | 21.63 | 21.15 | 33 | PASS |
| | | | | RB100#0 | 21.65 | 21.06 | 33 | PASS |
| | LTE/TM2 | 5 | LCH | RB1#0 | 21.58 | 20.99 | 33 | PASS |
| | | | | RB1#13 | 21.57 | 21.06 | 33 | PASS |
| | | | | RB1#24 | 21.6 | 21.06 | 33 | PASS |
| | | | | RB12#0 | 20.43 | 19.92 | 33 | PASS |
| | | | | RB12#6 | 20.36 | 19.82 | 33 | PASS |
| | | | | RB12#13 | 20.44 | 19.72 | 33 | PASS |
| | | | | RB25#0 | 20.29 | 19.81 | 33 | PASS |
| | | | MCH | RB1#0 | 21.62 | 20.94 | 33 | PASS |
| | | | | RB1#13 | 21.62 | 21.16 | 33 | PASS |
| | | | | RB1#24 | 21.58 | 20.92 | 33 | PASS |
| | | | | RB12#0 | 20.24 | 19.56 | 33 | PASS |
| | | | | RB12#6 | 20.23 | 19.66 | 33 | PASS |
| | | | | RB12#13 | 20.3 | 19.74 | 33 | PASS |
| HCH | RB25#0 | 20.25 | 19.53 | 33 | PASS | | | |
| | | | HCH | RB1#0 | 21.7 | 20.98 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB1#13 | 21.76 | 21.22 | 33 | PASS |
| | | | | RB1#24 | 21.68 | 21.15 | 33 | PASS |
| | | | | RB12#0 | 20.5 | 19.87 | 33 | PASS |
| | | | | RB12#6 | 20.46 | 19.82 | 33 | PASS |
| | | | | RB12#13 | 20.48 | 19.91 | 33 | PASS |
| | | | | RB25#0 | 20.48 | 19.90 | 33 | PASS |
| | | | | RB1#0 | 21.31 | 20.73 | 33 | PASS |
| | | | | RB1#25 | 20.84 | 20.30 | 33 | PASS |
| | | | | RB1#49 | 21.25 | 20.72 | 33 | PASS |
| | | | LCH | RB25#0 | 20.37 | 19.70 | 33 | PASS |
| | | | | RB25#13 | 20.36 | 19.91 | 33 | PASS |
| | | | | RB25#25 | 20.32 | 19.75 | 33 | PASS |
| | | | | RB50#0 | 20.3 | 19.67 | 33 | PASS |
| | | 10 | | RB1#0 | 21.32 | 20.81 | 33 | PASS |
| | | | | RB1#25 | 21.01 | 20.46 | 33 | PASS |
| | | | MCH | RB1#49 | 21.32 | 20.79 | 33 | PASS |
| | | | | RB25#0 | 20.18 | 19.56 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB25#13 | 20.16 | 19.59 | 33 | PASS |
| | | | | RB25#25 | 20.21 | 19.54 | 33 | PASS |
| | | | | RB50#0 | 20.22 | 19.73 | 33 | PASS |
| | | | HCH | RB1#0 | 21.79 | 21.33 | 33 | PASS |
| | | | | RB1#25 | 21.34 | 20.65 | 33 | PASS |
| | | | | RB1#49 | 21.45 | 20.99 | 33 | PASS |
| | | | | RB25#0 | 20.41 | 19.93 | 33 | PASS |
| | | | | RB25#13 | 20.49 | 20.00 | 33 | PASS |
| | | | | RB25#25 | 20.42 | 19.69 | 33 | PASS |
| | | | | RB50#0 | 20.42 | 19.72 | 33 | PASS |
| | | | | | RB1#0 | 21.24 | 20.60 | 33 |
| | | 15 | LCH | RB1#38 | 21.29 | 20.64 | 33 | PASS |
| | | | | RB1#74 | 21.14 | 20.64 | 33 | PASS |
| | | | | RB36#0 | 20.3 | 19.64 | 33 | PASS |
| | | | | RB36#18 | 20.31 | 19.62 | 33 | PASS |
| | | | | RB36#39 | 20.31 | 19.61 | 33 | PASS |
| | | | | RB75#0 | 20.29 | 19.71 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | MCH | RB1#0 | 21.23 | 20.64 | 33 | PASS |
| | | | | RB1#38 | 21.48 | 20.84 | 33 | PASS |
| | | | | RB1#74 | 21.17 | 20.49 | 33 | PASS |
| | | | | RB36#0 | 20.24 | 19.75 | 33 | PASS |
| | | | | RB36#18 | 20.2 | 19.60 | 33 | PASS |
| | | | | RB36#39 | 20.18 | 19.68 | 33 | PASS |
| | | | | RB75#0 | 20.16 | 19.53 | 33 | PASS |
| | | | HCH | RB1#0 | 21.43 | 20.75 | 33 | PASS |
| | | | | RB1#38 | 21.71 | 21.16 | 33 | PASS |
| | | | | RB1#74 | 21.44 | 20.99 | 33 | PASS |
| | | | | RB36#0 | 20.3 | 19.76 | 33 | PASS |
| | | | | RB36#18 | 20.39 | 19.84 | 33 | PASS |
| | | | | RB36#39 | 20.4 | 19.78 | 33 | PASS |
| | | | | RB75#0 | 20.31 | 19.68 | 33 | PASS |
| | | 20 | LCH | RB1#0 | 21.83 | 21.33 | 33 | PASS |
| RB1#50 | 21.63 | | | 20.97 | 33 | PASS | | |
| RB1#99 | 21.89 | | | 21.39 | 33 | PASS | | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB50#0 | 20.48 | 19.86 | 33 | PASS |
| | | | | RB50#25 | 20.5 | 19.78 | 33 | PASS |
| | | | | RB50#50 | 20.52 | 19.84 | 33 | PASS |
| | | | | RB100#0 | 20.54 | 19.96 | 33 | PASS |
| | | | MCH | RB1#0 | 21.62 | 20.89 | 33 | PASS |
| | | | | RB1#50 | 21.48 | 20.85 | 33 | PASS |
| | | | | RB1#99 | 21.7 | 21.23 | 33 | PASS |
| | | | | RB50#0 | 20.41 | 19.76 | 33 | PASS |
| | | | | RB50#25 | 20.38 | 19.85 | 33 | PASS |
| | | | | RB50#50 | 20.41 | 19.73 | 33 | PASS |
| | | | | RB100#0 | 20.5 | 19.96 | 33 | PASS |
| | | | | HCH | RB1#0 | 21.75 | 21.22 | 33 |
| | | | RB1#50 | | 21.42 | 20.87 | 33 | PASS |
| | | | RB1#99 | | 21.88 | 21.30 | 33 | PASS |
| | | | RB50#0 | | 20.47 | 19.80 | 33 | PASS |
| | | | RB50#25 | | 20.55 | 19.98 | 33 | PASS |
| | | | RB50#50 | | 20.61 | 20.12 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB100#0 | 20.5 | 19.96 | 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:

SET Span=1.5*OBW

SET RBW=1%of the OBW,not to wxceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector:RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| BAND7 | LTE/TM1 | 5 | LCH | RB1#0 | 4.27 | 13 | PASS |
| | | | | RB1#13 | 4.36 | 13 | PASS |
| | | | | RB1#24 | 4.49 | 13 | PASS |
| | | | | RB12#0 | 5.27 | 13 | PASS |
| | | | | RB12#6 | 5.31 | 13 | PASS |
| | | | | RB12#13 | 5.45 | 13 | PASS |
| | | | MCH | RB25#0 | 5.69 | 13 | PASS |
| | | | | RB1#0 | 4.27 | 13 | PASS |
| | | | | RB1#13 | 4.4 | 13 | PASS |
| | | | | RB1#24 | 4.47 | 13 | PASS |
| | | | | RB12#0 | 5.37 | 13 | PASS |
| | | | | RB12#6 | 5.17 | 13 | PASS |
| | | | HCH | RB12#13 | 5.42 | 13 | PASS |
| | | | | RB25#0 | 5.59 | 13 | PASS |
| | | | | RB1#0 | 4.32 | 13 | PASS |
| | | | | RB1#13 | 4.24 | 13 | PASS |
| | | | | RB1#24 | 4.29 | 13 | PASS |
| | | | | RB12#0 | 5.3 | 13 | PASS |
| | | 10 | LCH | RB12#6 | 5.26 | 13 | PASS |
| | | | | RB12#13 | 5.35 | 13 | PASS |
| | | | | RB25#0 | 5.84 | 13 | PASS |
| | | | | RB1#0 | 4.24 | 13 | PASS |
| | | | | RB1#25 | 4.49 | 13 | PASS |
| | | | | RB1#49 | 4.88 | 13 | PASS |
| | | | MCH | RB25#0 | 5.58 | 13 | PASS |
| | | | | RB25#13 | 5.61 | 13 | PASS |
| | | | | RB25#25 | 5.79 | 13 | PASS |
| RB50#0 | 5.85 | 13 | PASS | | | | |
| MCH | RB1#0 | 3.81 | 13 | PASS | | | |
| | RB1#25 | 3.92 | 13 | PASS | | | |
| | RB1#49 | 4.06 | 13 | PASS | | | |
| | RB25#0 | 5.29 | 13 | PASS | | | |
| | RB25#13 | 5.27 | 13 | PASS | | | |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| | | | | RB25#25 | 5.29 | 13 | PASS |
| | | | | RB50#0 | 5.67 | 13 | PASS |
| | | | HCH | RB1#0 | 4.39 | 13 | PASS |
| | | | | RB1#25 | 4.22 | 13 | PASS |
| | | | | RB1#49 | 4.01 | 13 | PASS |
| | | | | RB25#0 | 5.21 | 13 | PASS |
| | | | | RB25#13 | 5.24 | 13 | PASS |
| | | | | RB25#25 | 5.33 | 13 | PASS |
| | | | RB50#0 | 5.7 | 13 | PASS | |
| | | | LCH | RB1#0 | 4.32 | 13 | PASS |
| | | | | RB1#38 | 4.46 | 13 | PASS |
| | | | | RB1#74 | 4.57 | 13 | PASS |
| | | | | RB36#0 | 5.69 | 13 | PASS |
| | | | | RB36#18 | 5.35 | 13 | PASS |
| | | RB36#39 | | 5.82 | 13 | PASS | |
| | | RB75#0 | | 6.29 | 13 | PASS | |
| | | MCH | RB1#0 | 4.26 | 13 | PASS | |
| | | | RB1#38 | 4.37 | 13 | PASS | |
| | | | RB1#74 | 4.56 | 13 | PASS | |
| | | | RB36#0 | 5.44 | 13 | PASS | |
| | | | RB36#18 | 5.34 | 13 | PASS | |
| | | | RB36#39 | 5.59 | 13 | PASS | |
| | | HCH | RB1#0 | 4.73 | 13 | PASS | |
| | | | RB1#38 | 4.35 | 13 | PASS | |
| | | | RB1#74 | 4.39 | 13 | PASS | |
| | | | RB36#0 | 5.66 | 13 | PASS | |
| | | | RB36#18 | 5.37 | 13 | PASS | |
| | | | RB36#39 | 5.41 | 13 | PASS | |
| | | 20 | LCH | RB1#0 | 4.27 | 13 | PASS |
| | | | | RB1#50 | 4.55 | 13 | PASS |
| | | | | RB1#99 | 4.33 | 13 | PASS |
| | | | | RB50#0 | 5.57 | 13 | PASS |
| RB50#25 | 5.61 | | | 13 | PASS | | |
| RB50#50 | 5.48 | | | 13 | PASS | | |
| RB100#0 | 5.97 | | | 13 | PASS | | |
| MCH | RB1#0 | | 4.05 | 13 | PASS | | |
| | RB1#50 | | 4.23 | 13 | PASS | | |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| | | | | RB1#99 | 4.35 | 13 | PASS |
| | | | | RB50#0 | 5.24 | 13 | PASS |
| | | | | RB50#25 | 5.09 | 13 | PASS |
| | | | | RB50#50 | 5.28 | 13 | PASS |
| | | | | RB100#0 | 5.72 | 13 | PASS |
| | | | HCH | RB1#0 | 4.39 | 13 | PASS |
| | | | | RB1#50 | 4.39 | 13 | PASS |
| | | | | RB1#99 | 4.12 | 13 | PASS |
| | | | | RB50#0 | 5.71 | 13 | PASS |
| | | | | RB50#25 | 5.55 | 13 | PASS |
| | | | LCH | RB50#50 | 5.49 | 13 | PASS |
| | | | | RB100#0 | 5.9 | 13 | PASS |
| | | | | RB1#0 | 5.22 | 13 | PASS |
| | | | | RB1#13 | 5.36 | 13 | PASS |
| | | | | RB1#24 | 5.45 | 13 | PASS |
| | RB12#0 | 6.06 | | 13 | PASS | | |
| | MCH | RB12#6 | 6.11 | 13 | PASS | | |
| | | RB12#13 | 6.07 | 13 | PASS | | |
| | | RB25#0 | 6.54 | 13 | PASS | | |
| | | RB1#0 | 4.8 | 13 | PASS | | |
| | | RB1#13 | 4.84 | 13 | PASS | | |
| | | RB1#24 | 4.87 | 13 | PASS | | |
| | | RB12#0 | 6.23 | 13 | PASS | | |
| | HCH | RB12#6 | 6.12 | 13 | PASS | | |
| | | RB12#13 | 6.21 | 13 | PASS | | |
| | | RB25#0 | 6.5 | 13 | PASS | | |
| | | RB1#0 | 4.91 | 13 | PASS | | |
| | | RB1#13 | 4.73 | 13 | PASS | | |
| | | RB1#24 | 4.8 | 13 | PASS | | |
| | LCH | RB12#0 | 5.81 | 13 | PASS | | |
| RB12#6 | | 5.72 | 13 | PASS | | | |
| RB12#13 | | 5.72 | 13 | PASS | | | |
| RB25#0 | | 6.34 | 13 | PASS | | | |
| RB1#0 | | 5.06 | 13 | PASS | | | |
| RB1#25 | | 5.16 | 13 | PASS | | | |
| | | 10 | LCH | RB1#49 | 5.44 | 13 | PASS |
| | | | | RB25#0 | 6.13 | 13 | PASS |
| | | | | RB25#13 | 6.05 | 13 | PASS |
| | | | | RB25#25 | 6.21 | 13 | PASS |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict | |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|------|
| | | | | RB50#0 | 6.4 | 13 | PASS | |
| | | | MCH | RB1#0 | 5.36 | 13 | PASS | |
| | | | | RB1#25 | 5.3 | 13 | PASS | |
| | | | | RB1#49 | 5.19 | 13 | PASS | |
| | | | | RB25#0 | 6.09 | 13 | PASS | |
| | | | | RB25#13 | 6.16 | 13 | PASS | |
| | | | | RB25#25 | 6.15 | 13 | PASS | |
| | | | | RB50#0 | 6.69 | 13 | PASS | |
| | | | HCH | RB1#0 | 4.9 | 13 | PASS | |
| | | | | RB1#25 | 4.78 | 13 | PASS | |
| | | | | RB1#49 | 4.74 | 13 | PASS | |
| | | | | RB25#0 | 6 | 13 | PASS | |
| | | | | RB25#13 | 5.98 | 13 | PASS | |
| | | | | RB25#25 | 6.08 | 13 | PASS | |
| | | 15 | LCH | | RB1#0 | 5.37 | 13 | PASS |
| | | | | | RB1#38 | 5.53 | 13 | PASS |
| | | | | | RB1#74 | 5.3 | 13 | PASS |
| | | | | | RB36#0 | 6.21 | 13 | PASS |
| | | | | | RB36#18 | 6.11 | 13 | PASS |
| | | | | | RB36#39 | 6.35 | 13 | PASS |
| | | | | | RB75#0 | 6.83 | 13 | PASS |
| | | | MCH | RB1#0 | 5.25 | 13 | PASS | |
| | | | | RB1#38 | 5.28 | 13 | PASS | |
| | | | | RB1#74 | 5.27 | 13 | PASS | |
| | | | | RB36#0 | 6.39 | 13 | PASS | |
| | | | | RB36#18 | 6.24 | 13 | PASS | |
| | | | | RB36#39 | 6.4 | 13 | PASS | |
| | | | | RB75#0 | 6.67 | 13 | PASS | |
| | | HCH | RB1#0 | 5.24 | 13 | PASS | | |
| | | | RB1#38 | 4.88 | 13 | PASS | | |
| | | | RB1#74 | 4.95 | 13 | PASS | | |
| | | | RB36#0 | 6.31 | 13 | PASS | | |
| | | | RB36#18 | 6.09 | 13 | PASS | | |
| | | | RB36#39 | 6.23 | 13 | PASS | | |
| | | | RB75#0 | 6.58 | 13 | PASS | | |
| | | 20 | LCH | | RB1#0 | 5.01 | 13 | PASS |
| RB1#50 | 4.82 | | | | 13 | PASS | | |
| RB1#99 | 4.75 | | | | 13 | PASS | | |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| | | | | RB50#0 | 6.29 | 13 | PASS |
| | | | | RB50#25 | 6.22 | 13 | PASS |
| | | | | RB50#50 | 6.43 | 13 | PASS |
| | | | | RB100#0 | 6.69 | 13 | PASS |
| | | | MCH | RB1#0 | 5.13 | 13 | PASS |
| | | | | RB1#50 | 5.21 | 13 | PASS |
| | | | | RB1#99 | 5.3 | 13 | PASS |
| | | | | RB50#0 | 6.26 | 13 | PASS |
| | | | | RB50#25 | 6.12 | 13 | PASS |
| | | | | RB50#50 | 6.37 | 13 | PASS |
| | | | | RB100#0 | 6.62 | 13 | PASS |
| | | | HCH | RB1#0 | 5.34 | 13 | PASS |
| | | | | RB1#50 | 5.47 | 13 | PASS |
| | | | | RB1#99 | 5.01 | 13 | PASS |
| | | | | RB50#0 | 6.31 | 13 | PASS |
| | | | | RB50#25 | 6.09 | 13 | PASS |
| | | | | RB50#50 | 6.11 | 13 | PASS |
| | | | | RB100#0 | 6.51 | 13 | PASS |

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

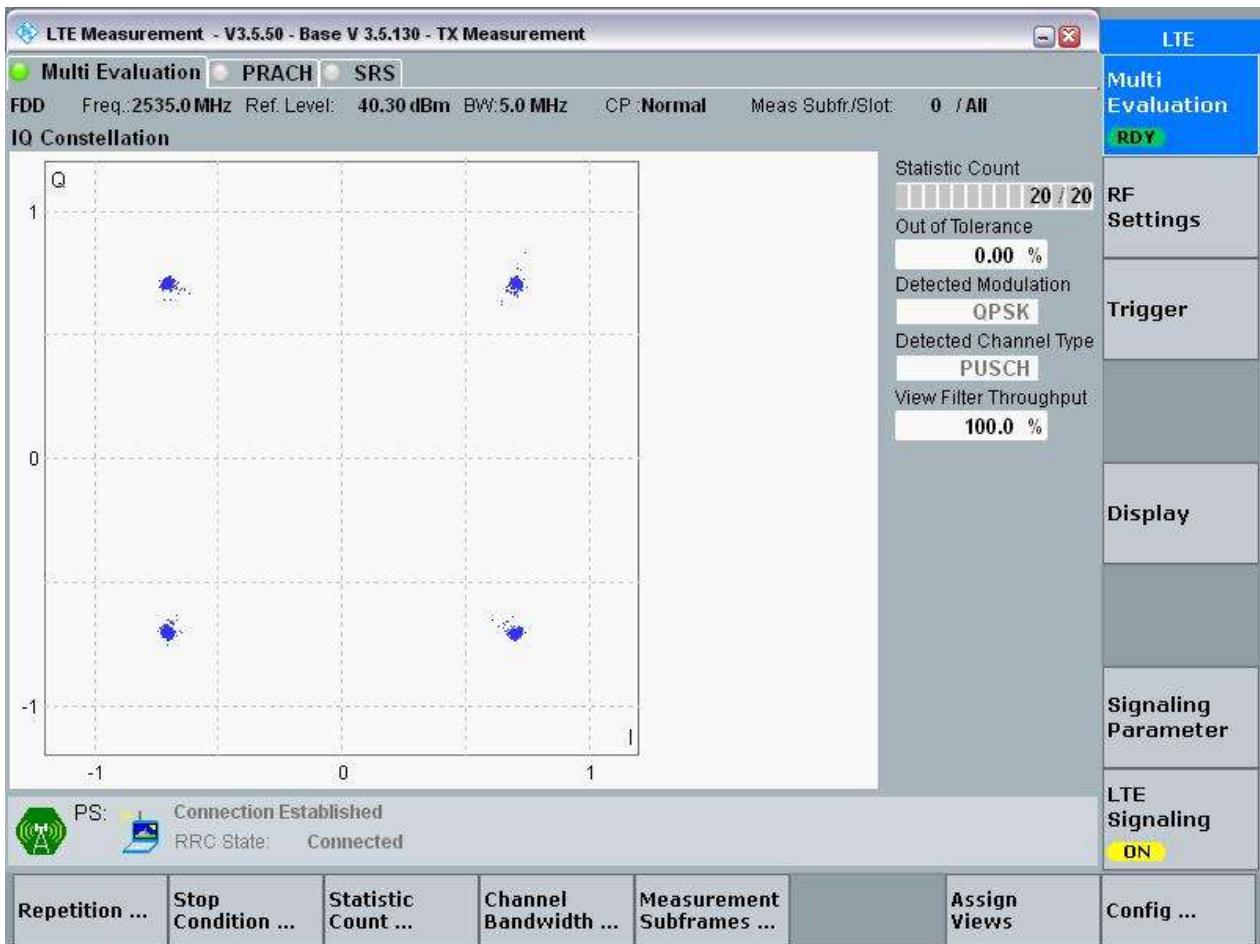
3.1.1 Test Band = BAND7

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

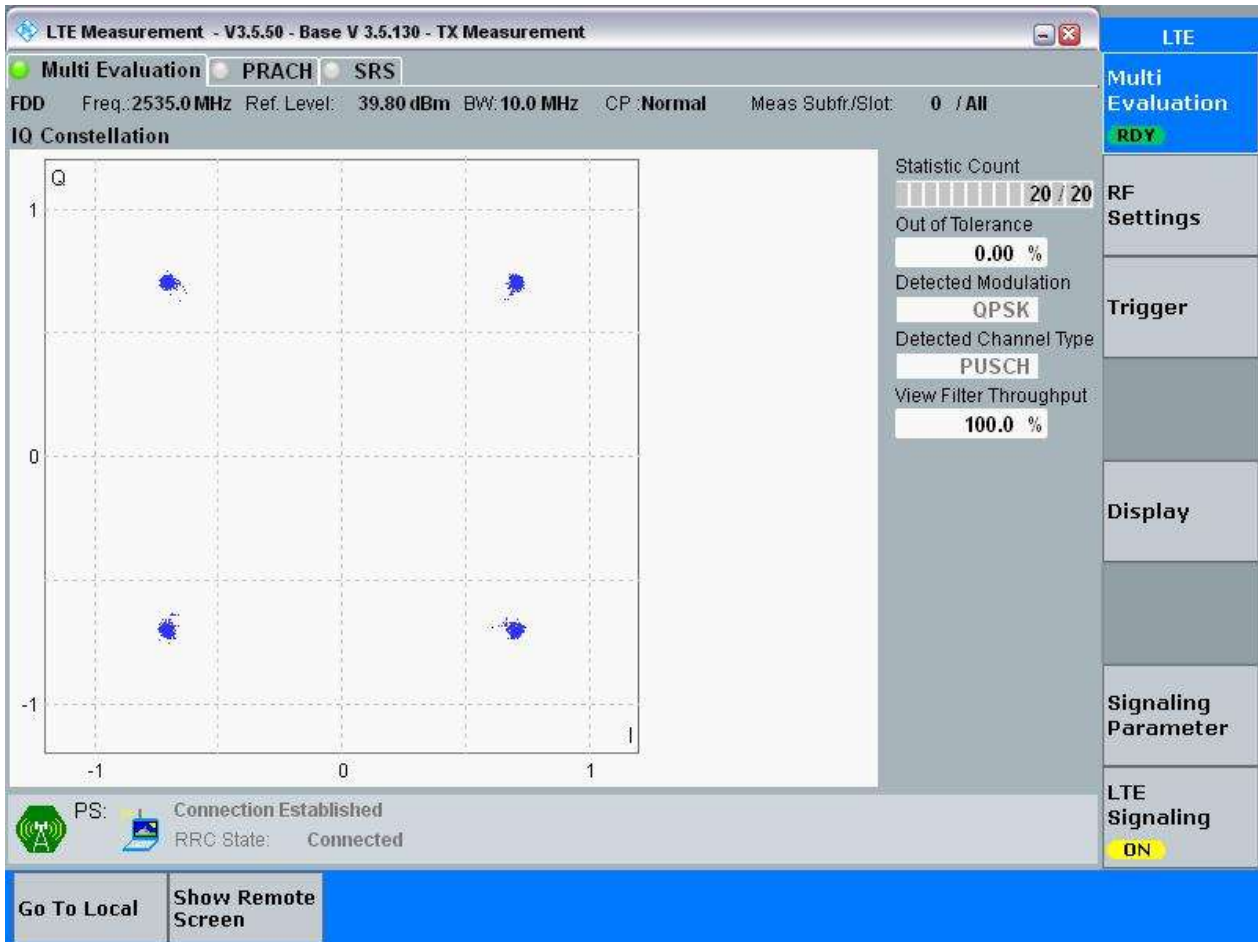
3.1.1.1.1.1.1 Test RB = RB25#0



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

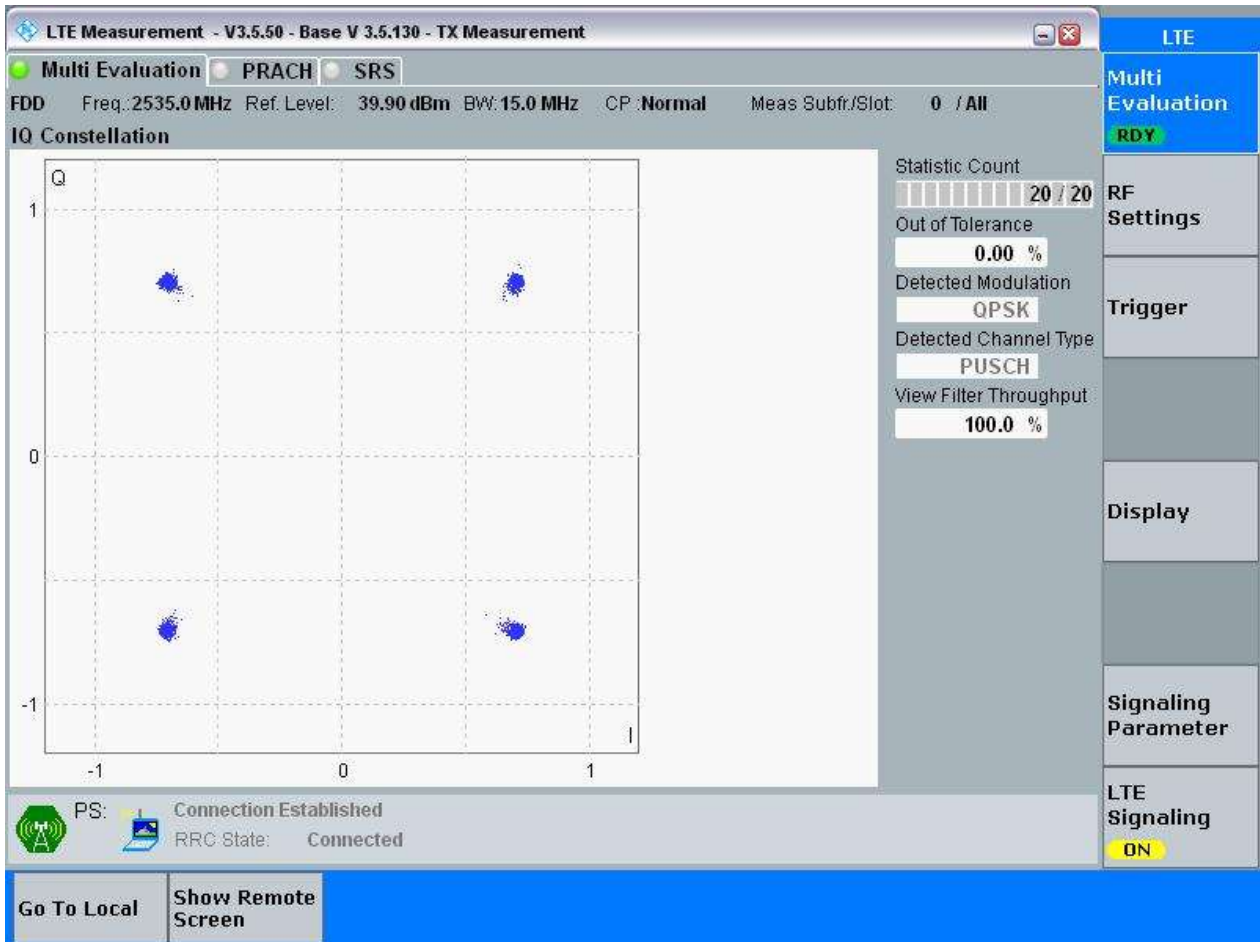




3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

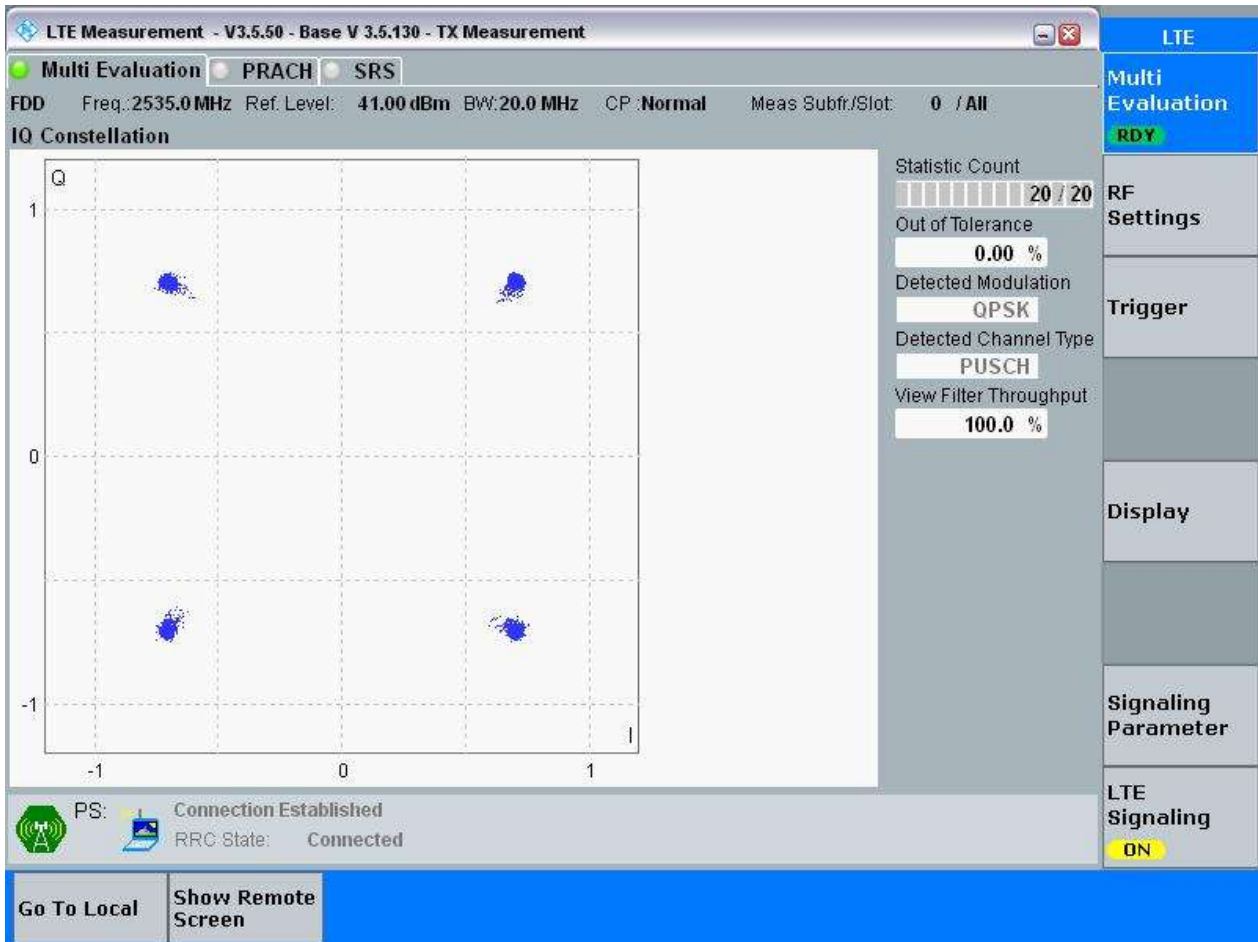
3.1.1.1.3.1.1 Test RB = RB75#0



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



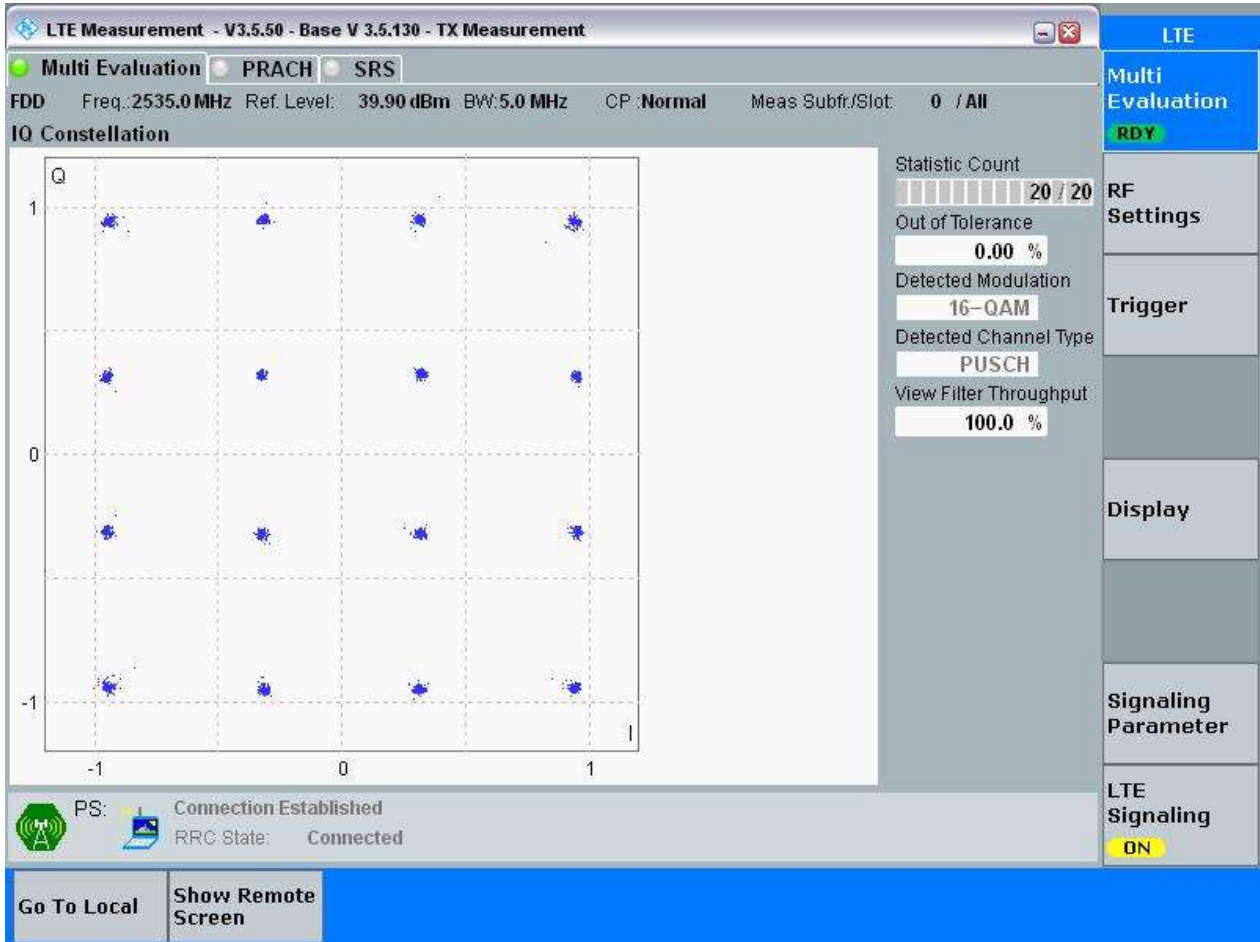


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

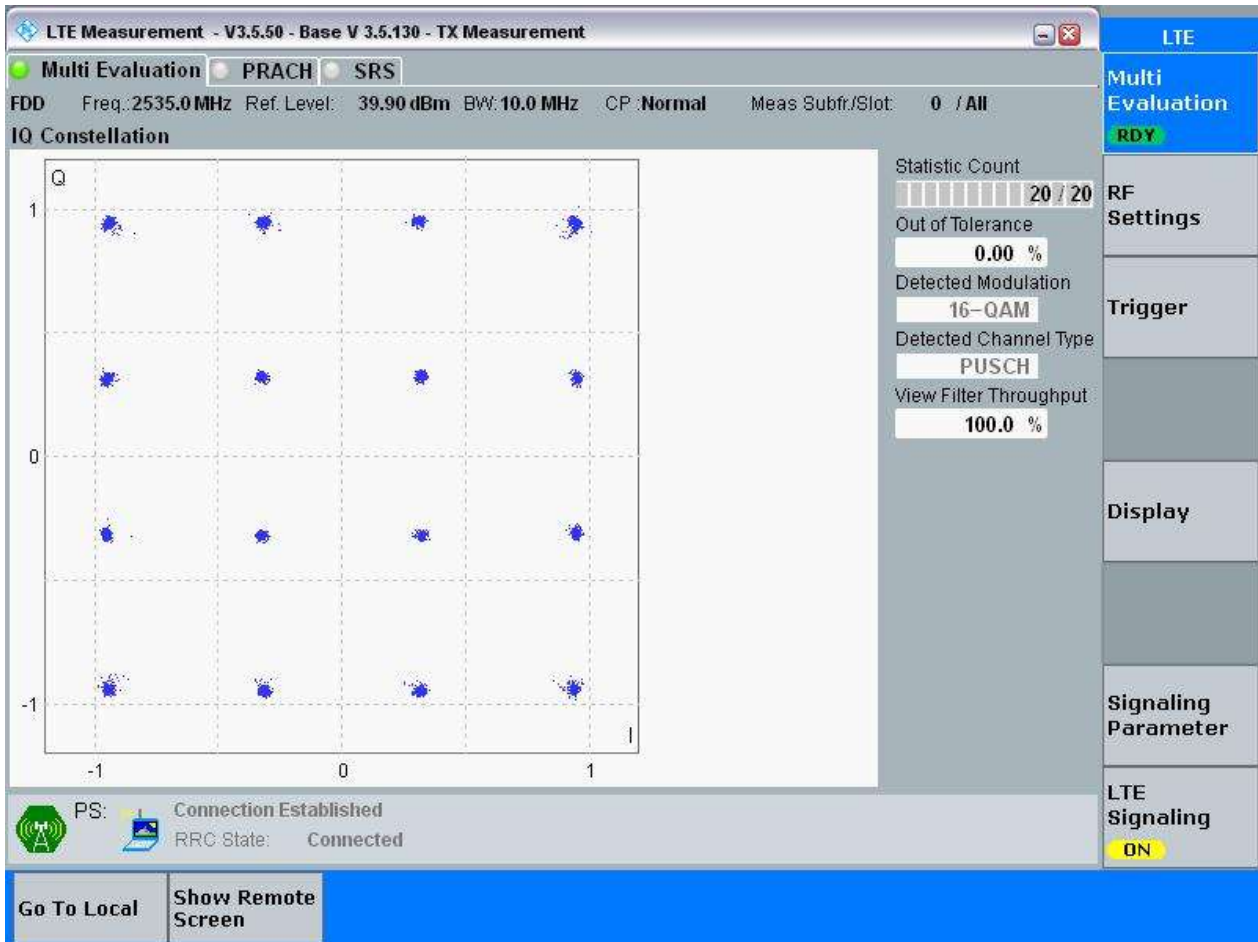
3.1.1.2.1.1.1 Test RB = RB25#0



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

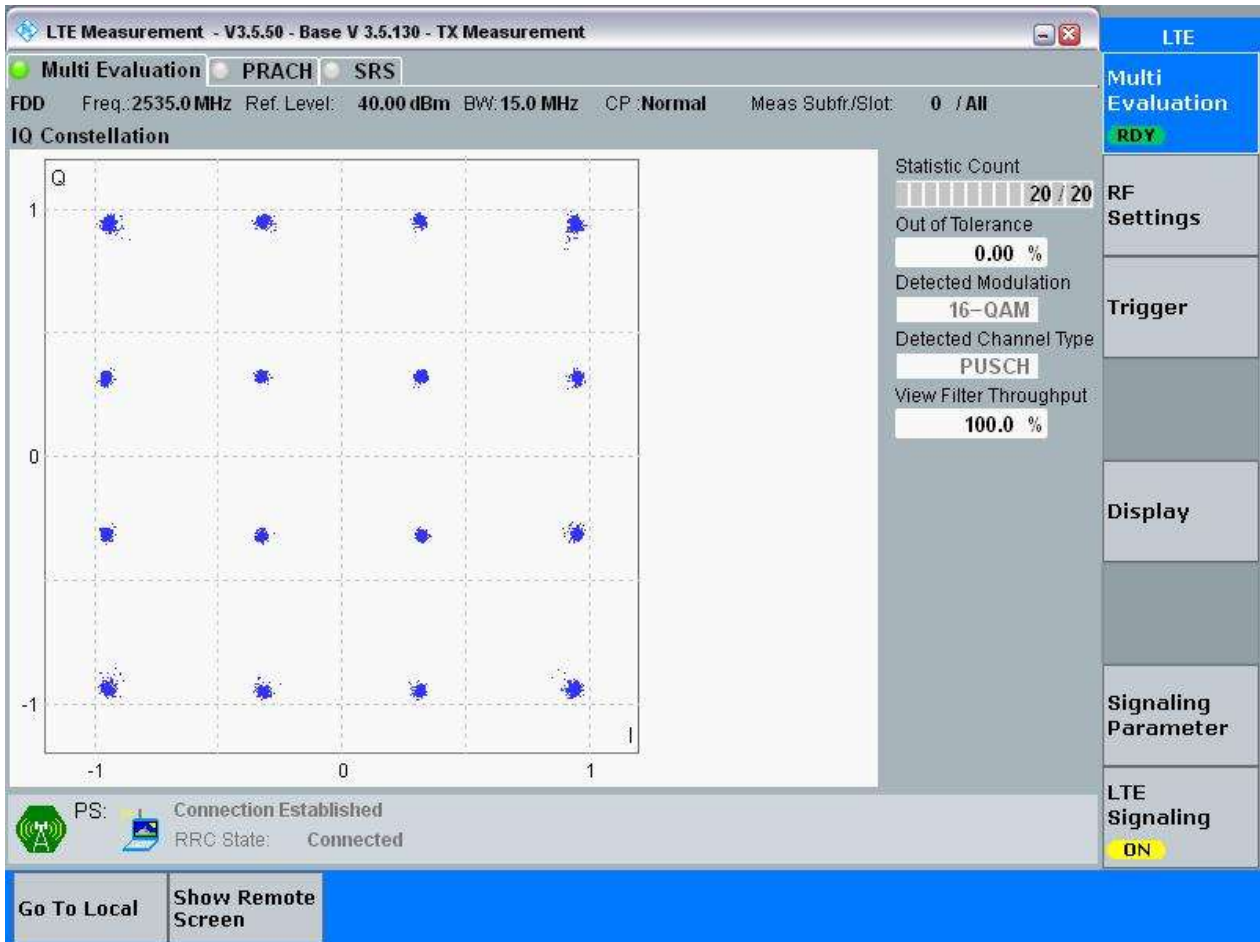




3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

3.1.1.2.3.1.1 Test RB = RB75#0

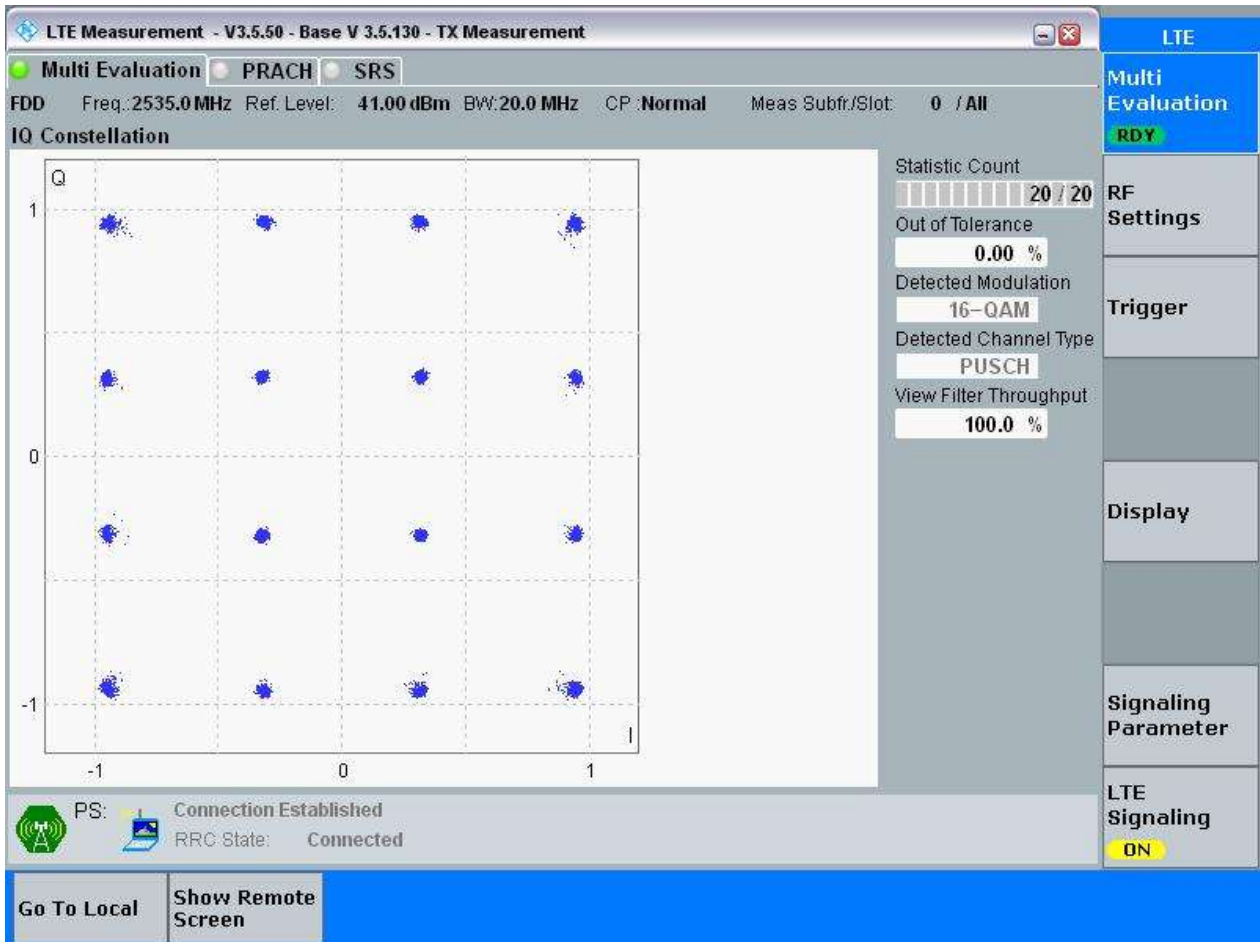




3.1.1.2.4 Test Bandwidth = 20

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 | 4.52 | 4.97 | Pass |
| | | | MCH | RB25#0 | 4.51 | 4.98 | Pass |
| | | | HCH | RB25#0 | 4.51 | 4.97 | Pass |
| | | 10 | LCH | RB50#0 | 9.01 | 9.95 | Pass |
| | | | MCH | RB50#0 | 9.01 | 9.94 | Pass |
| | | | HCH | RB50#0 | 8.99 | 9.90 | Pass |
| | | 15 | LCH | RB75#0 | 13.51 | 14.98 | Pass |
| | | | MCH | RB75#0 | 13.51 | 14.95 | Pass |
| | | | HCH | RB75#0 | 13.48 | 14.99 | Pass |
| | | 20 | LCH | RB100#0 | 18.01 | 19.85 | Pass |
| | | | MCH | RB100#0 | 18.01 | 19.81 | Pass |
| | | | HCH | RB100#0 | 18.01 | 19.85 | Pass |
| | LTE/TM2 | 5 | LCH | RB25#0 | 4.52 | 4.99 | Pass |
| | | | MCH | RB25#0 | 4.51 | 4.98 | Pass |
| | | | HCH | RB25#0 | 4.51 | 4.97 | Pass |
| | | 10 | LCH | RB50#0 | 9.01 | 9.89 | Pass |
| | | | MCH | RB50#0 | 9.00 | 9.93 | Pass |
| | | | HCH | RB50#0 | 9.01 | 9.89 | Pass |
| | | 15 | LCH | RB75#0 | 13.51 | 15.04 | Pass |
| | | | MCH | RB75#0 | 13.49 | 15.02 | Pass |
| | | | HCH | RB75#0 | 13.50 | 14.98 | Pass |
| | | 20 | LCH | RB100#0 | 18.00 | 19.90 | Pass |
| | | | MCH | RB100#0 | 17.99 | 19.85 | Pass |
| | | | HCH | RB100#0 | 18.03 | 19.85 | Pass |

Part II - Test Plots

4.1 For LTE

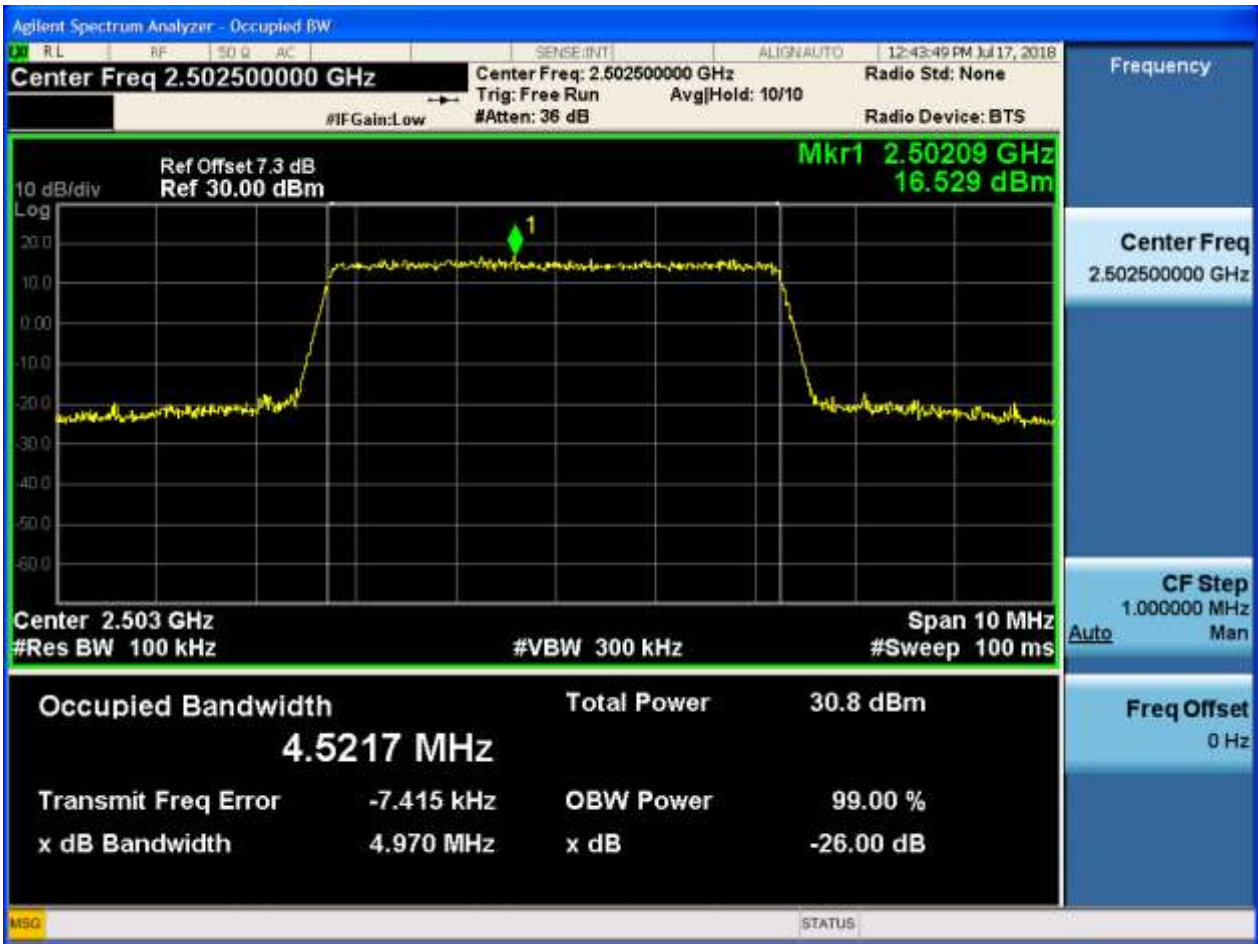
4.1.1 Test Band = BAND7

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





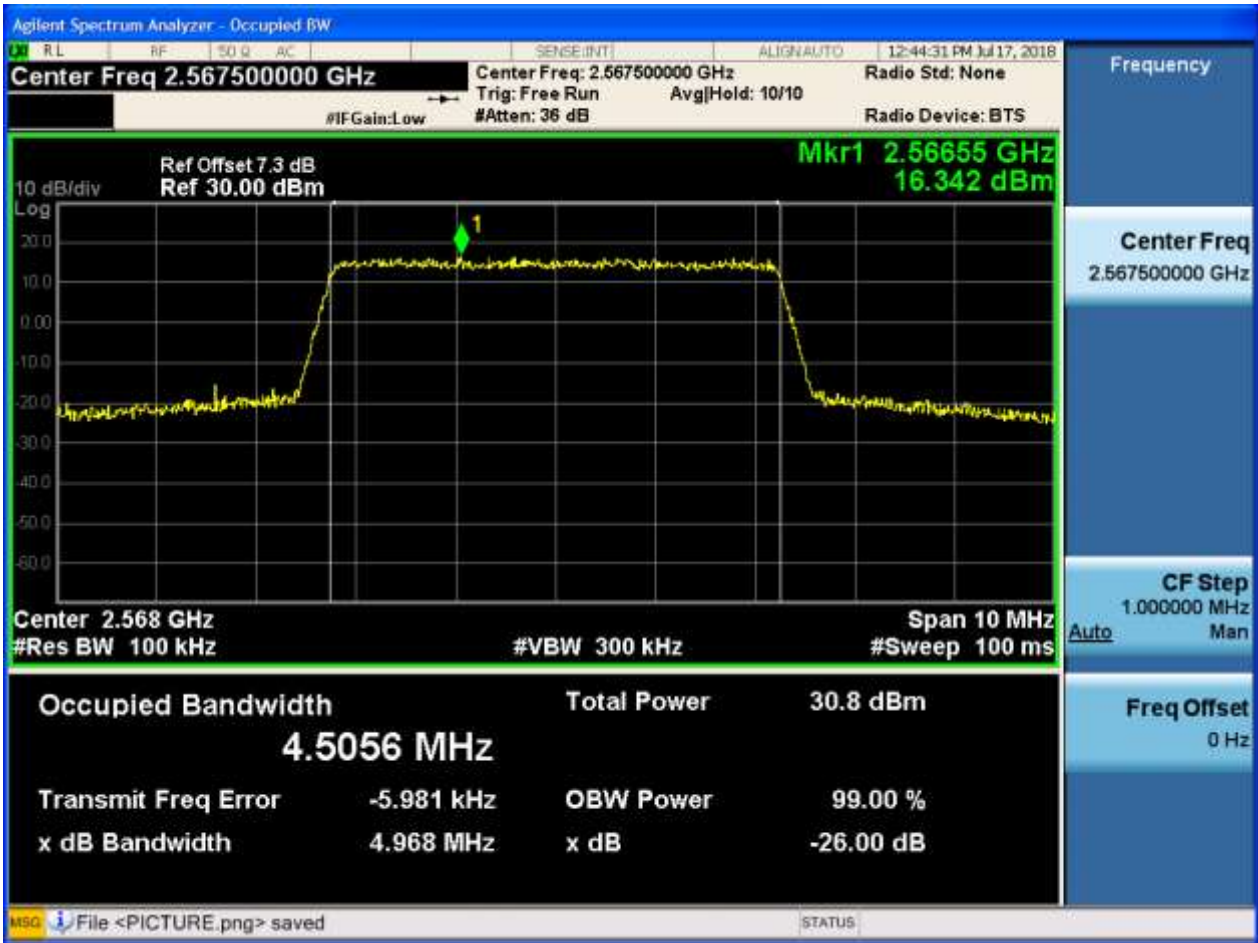
4.1.1.1.1.2 Test Channel = MCH

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

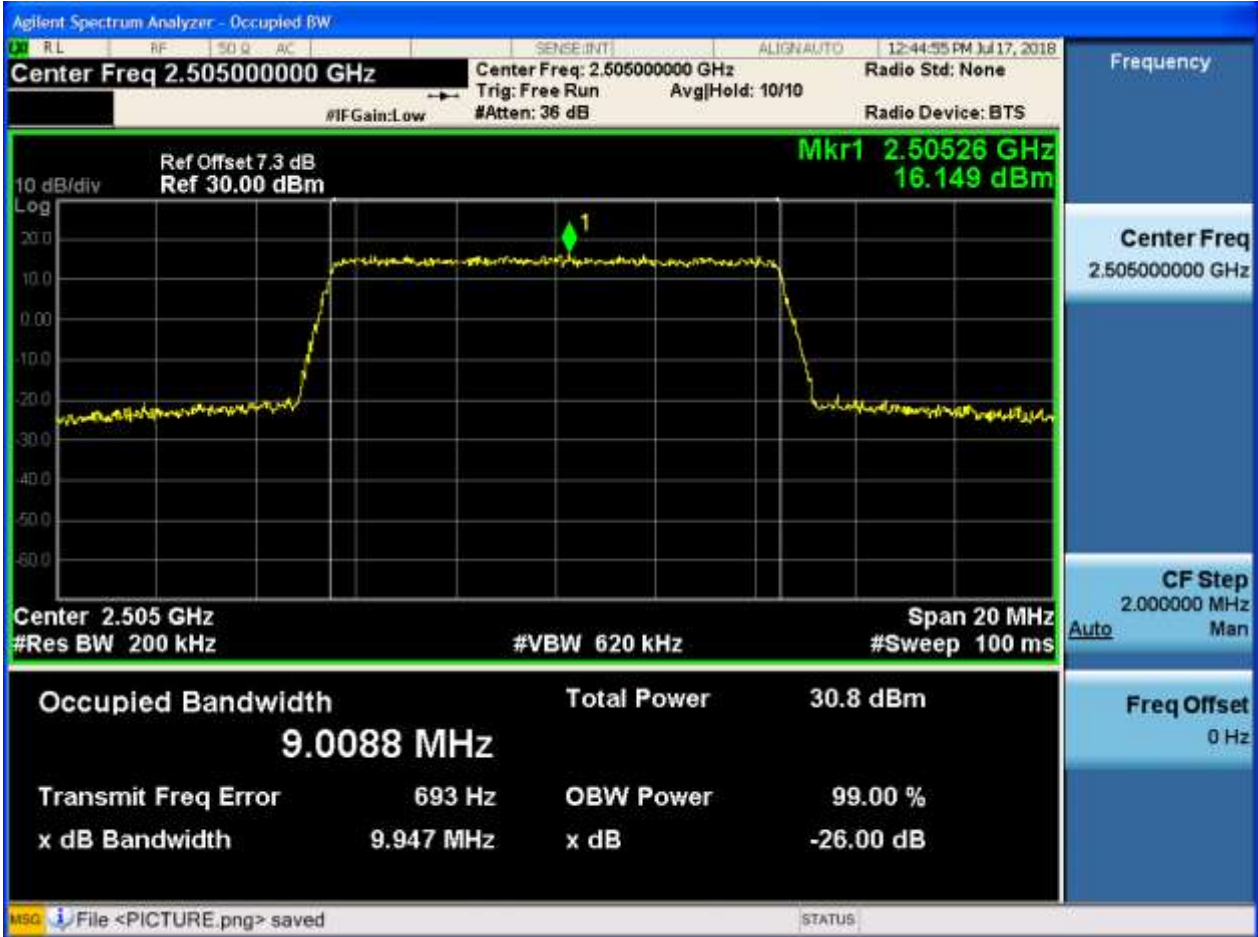




4.1.1.1.2 Test Bandwidth = 10

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

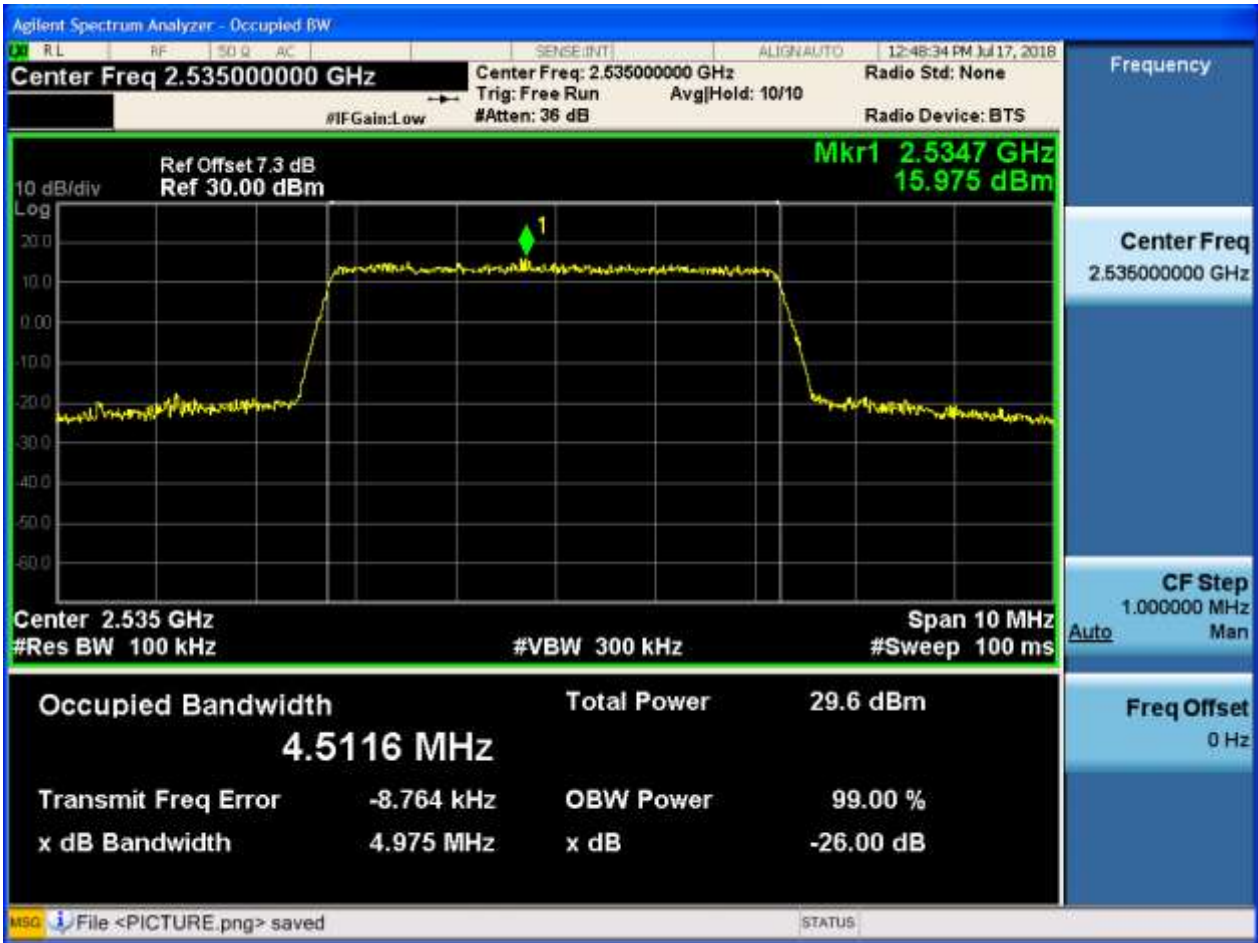
4.1.1.2.1.1.1 Test RB = RB25#0





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

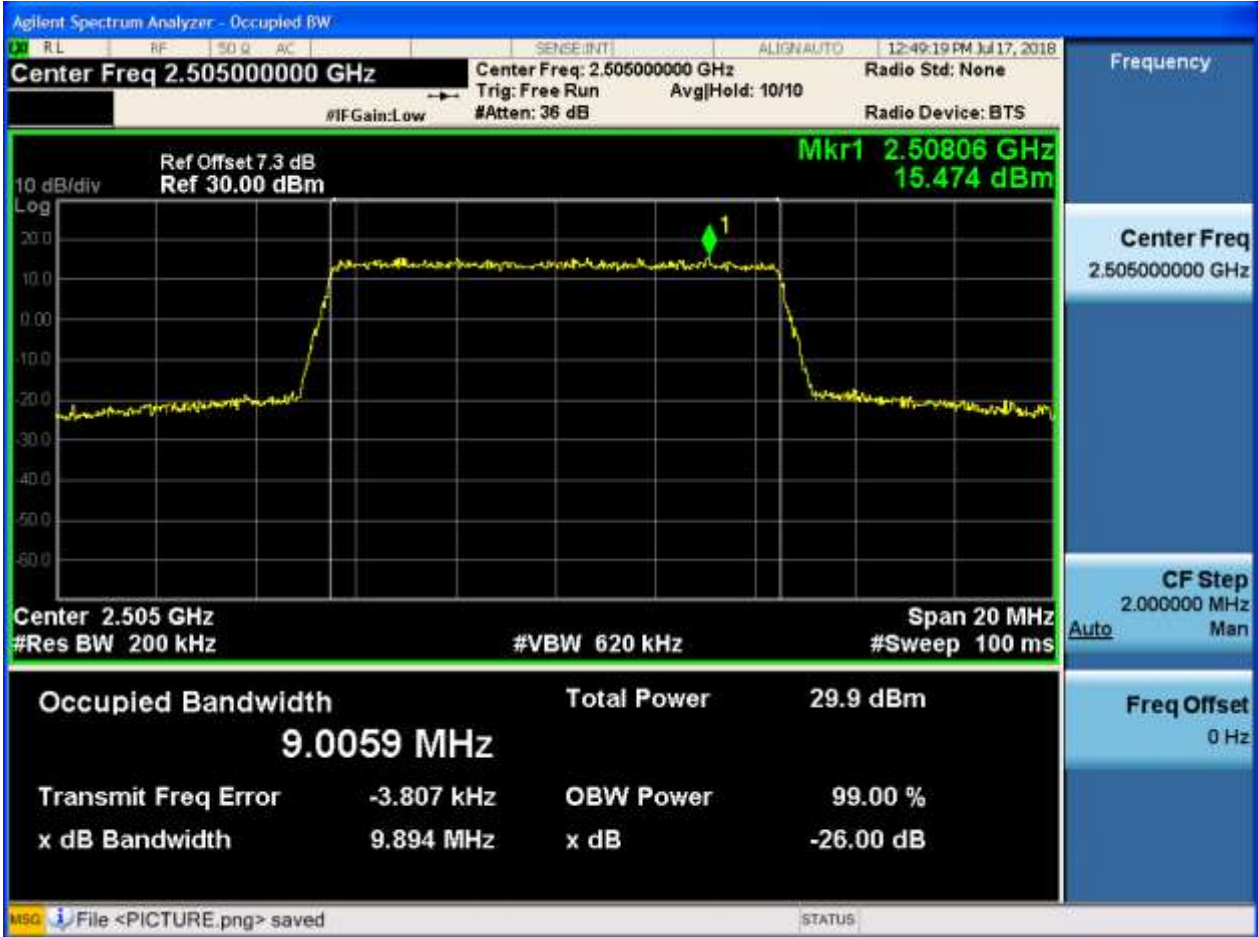




4.1.1.2.2 Test Bandwidth = 10

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

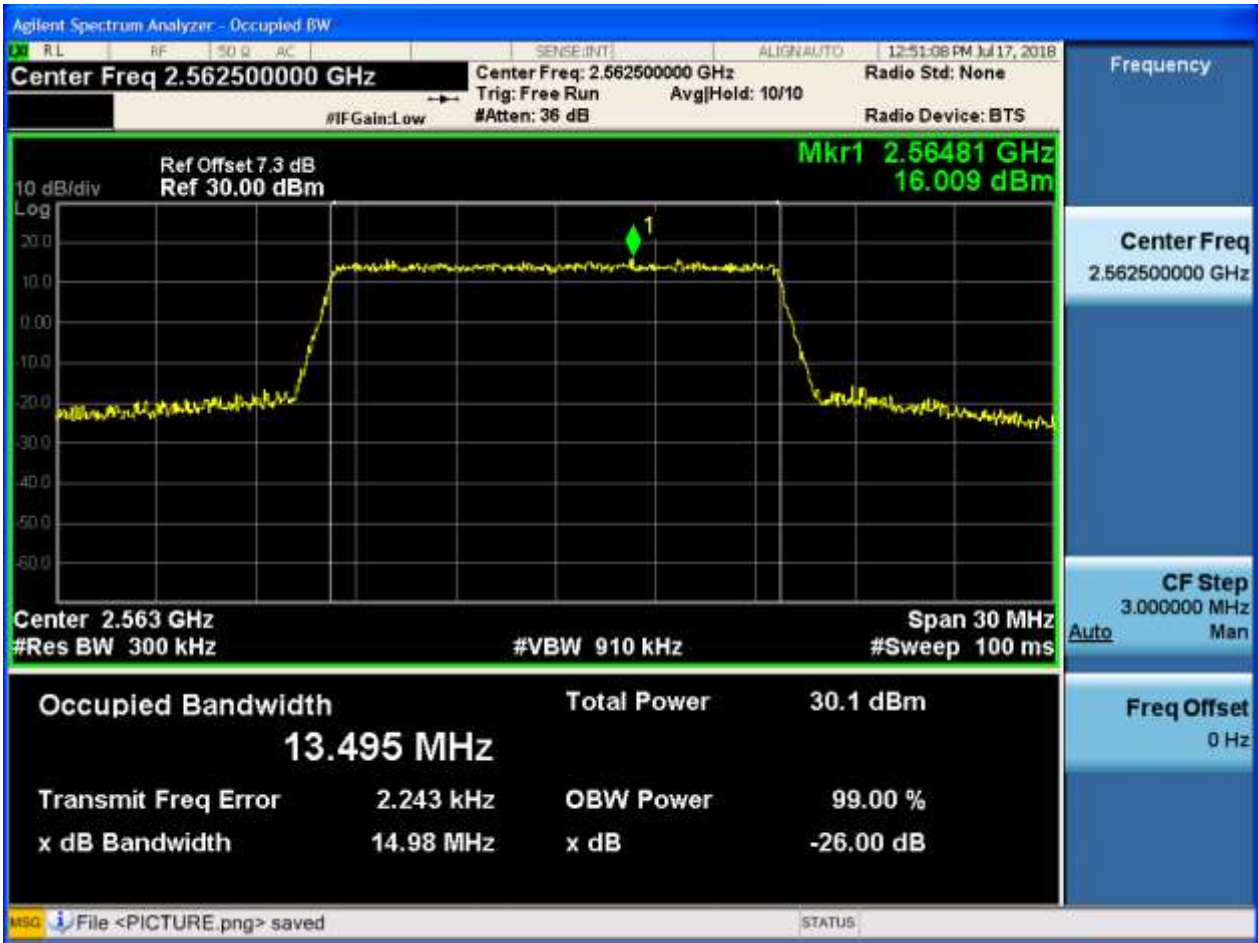
4.1.1.2.3.2.1 Test RB = RB75#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB75#0

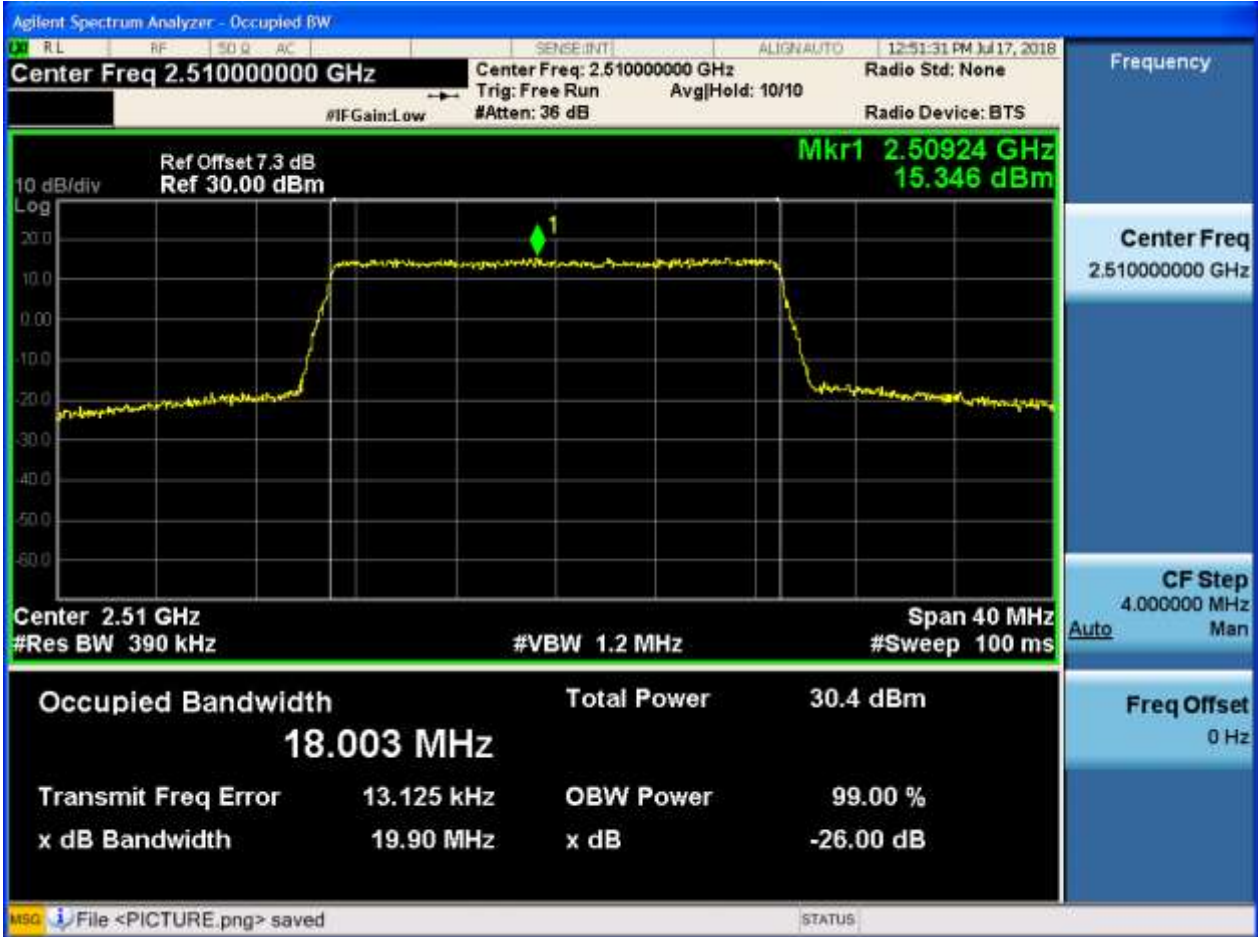




4.1.1.2.4 Test Bandwidth = 20

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





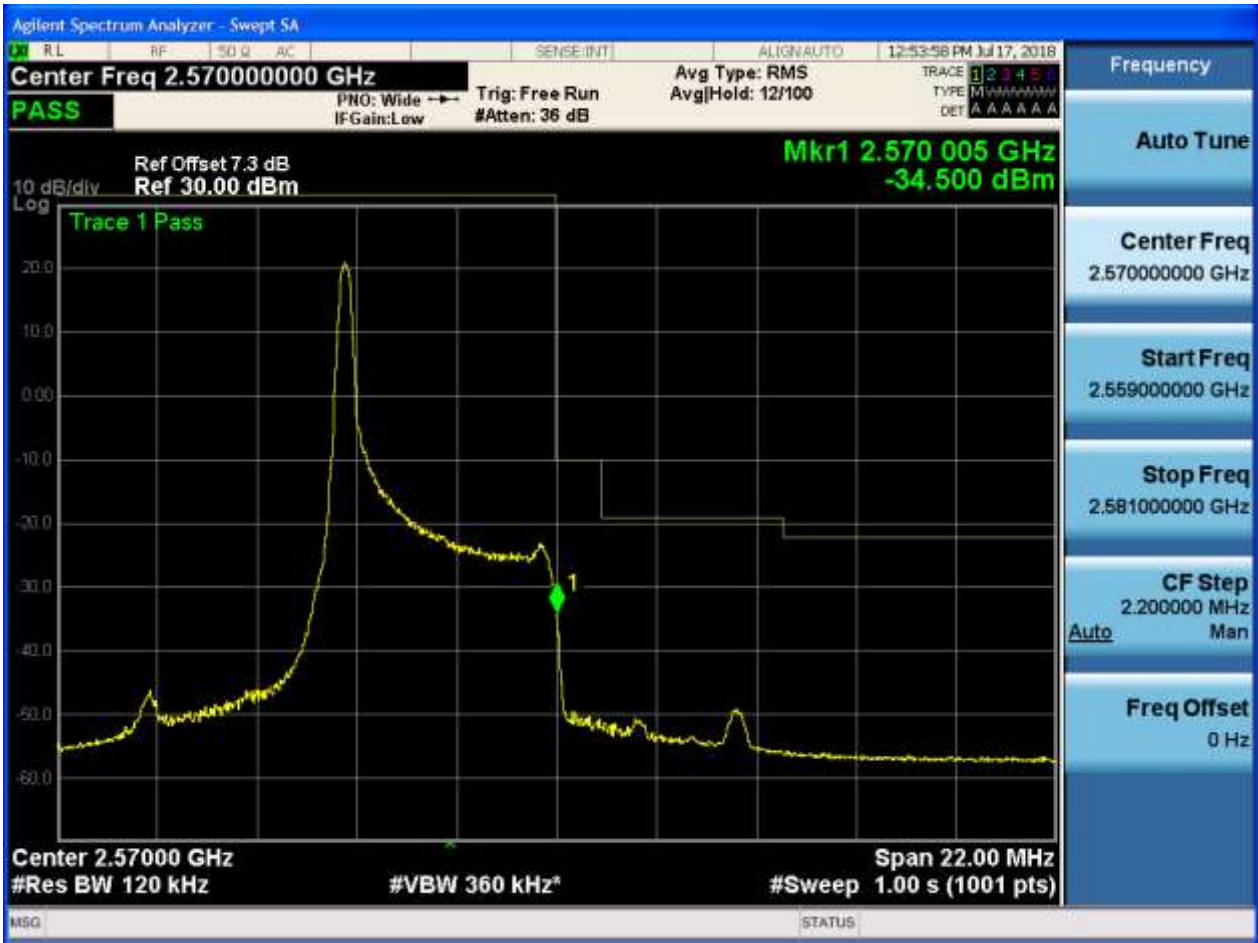
5.1.1.1.1.4 Test RB = RB25#0





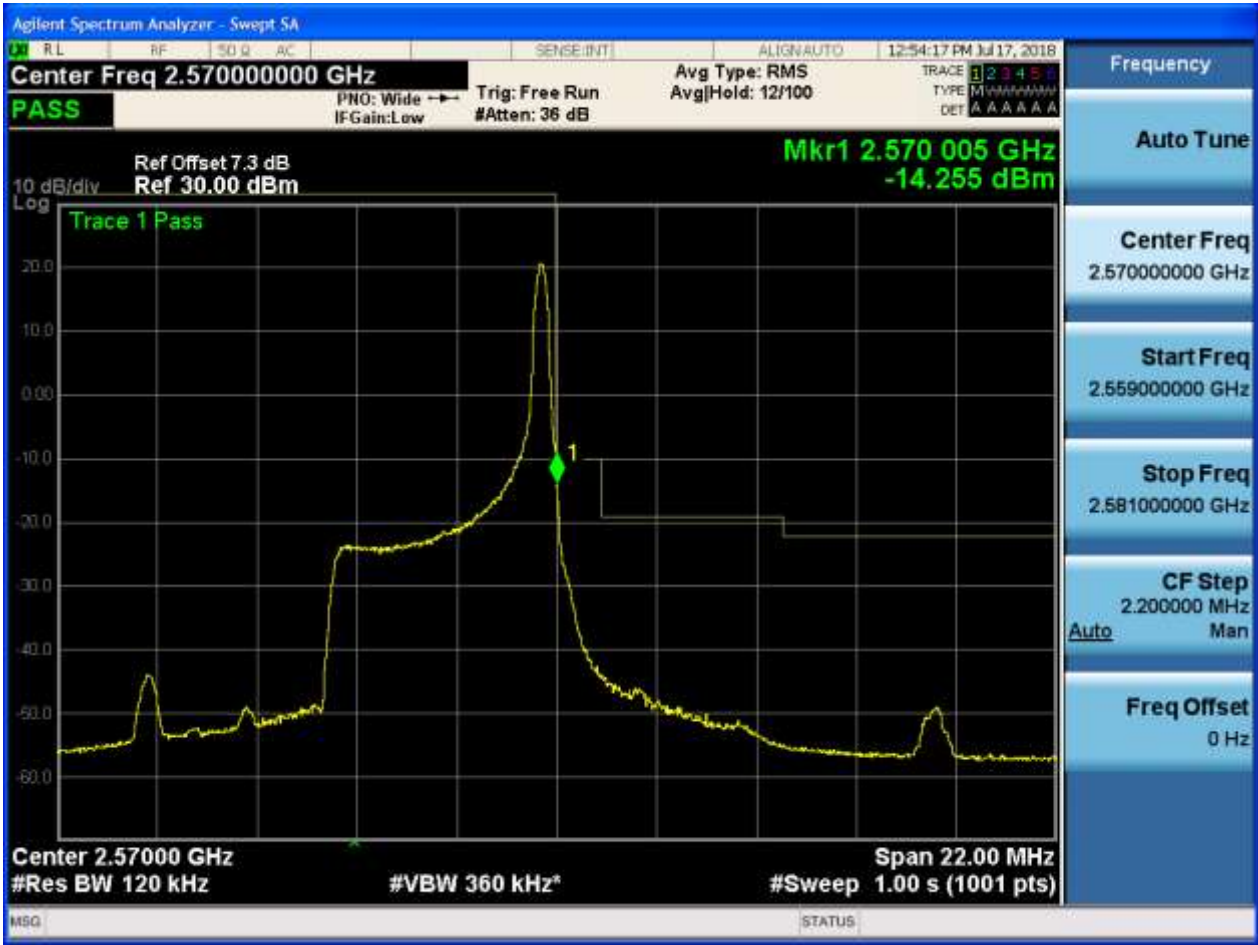
5.1.1.1.1.2 Test Channel = HCH

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

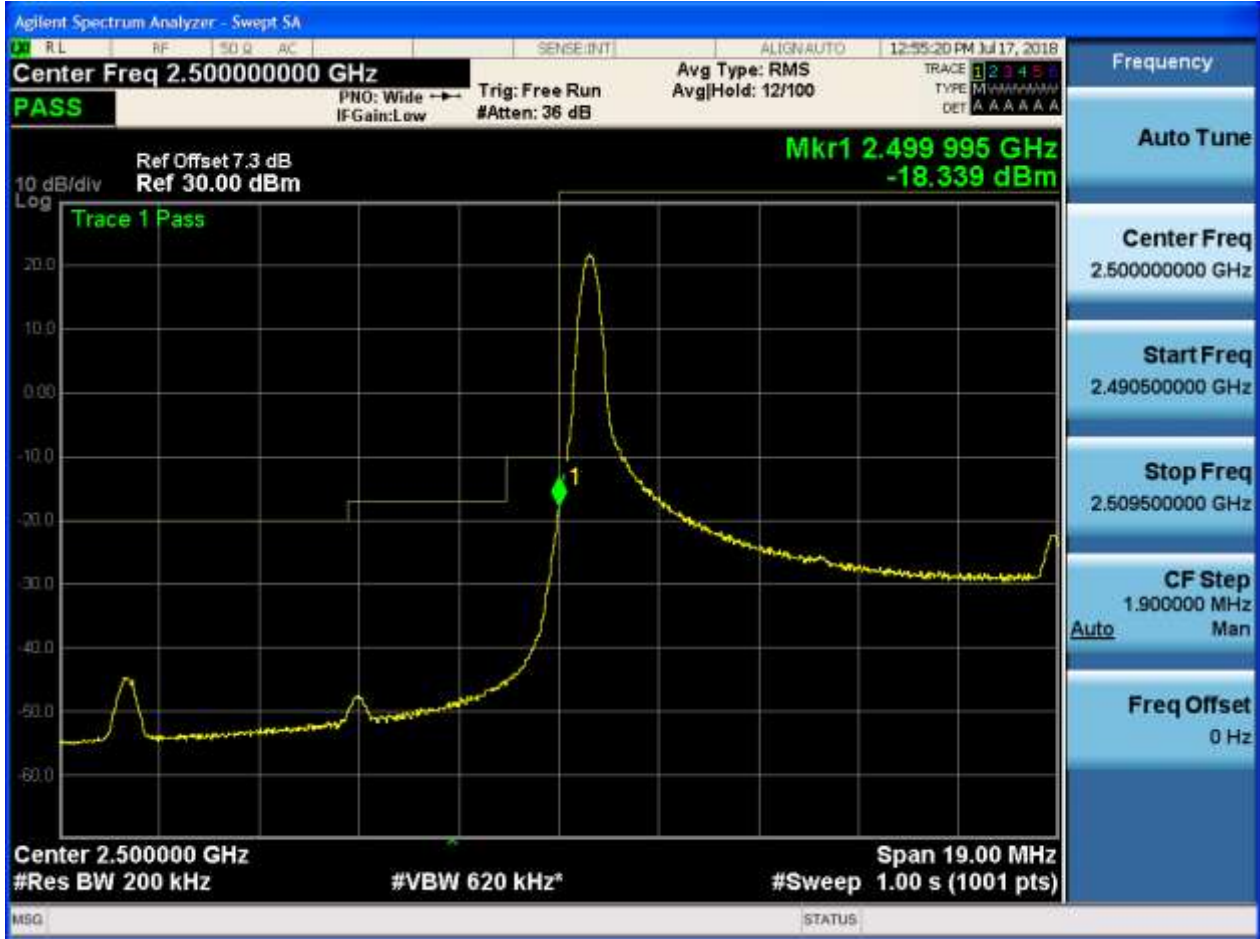




5.1.1.1.2 Test Bandwidth = 10

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





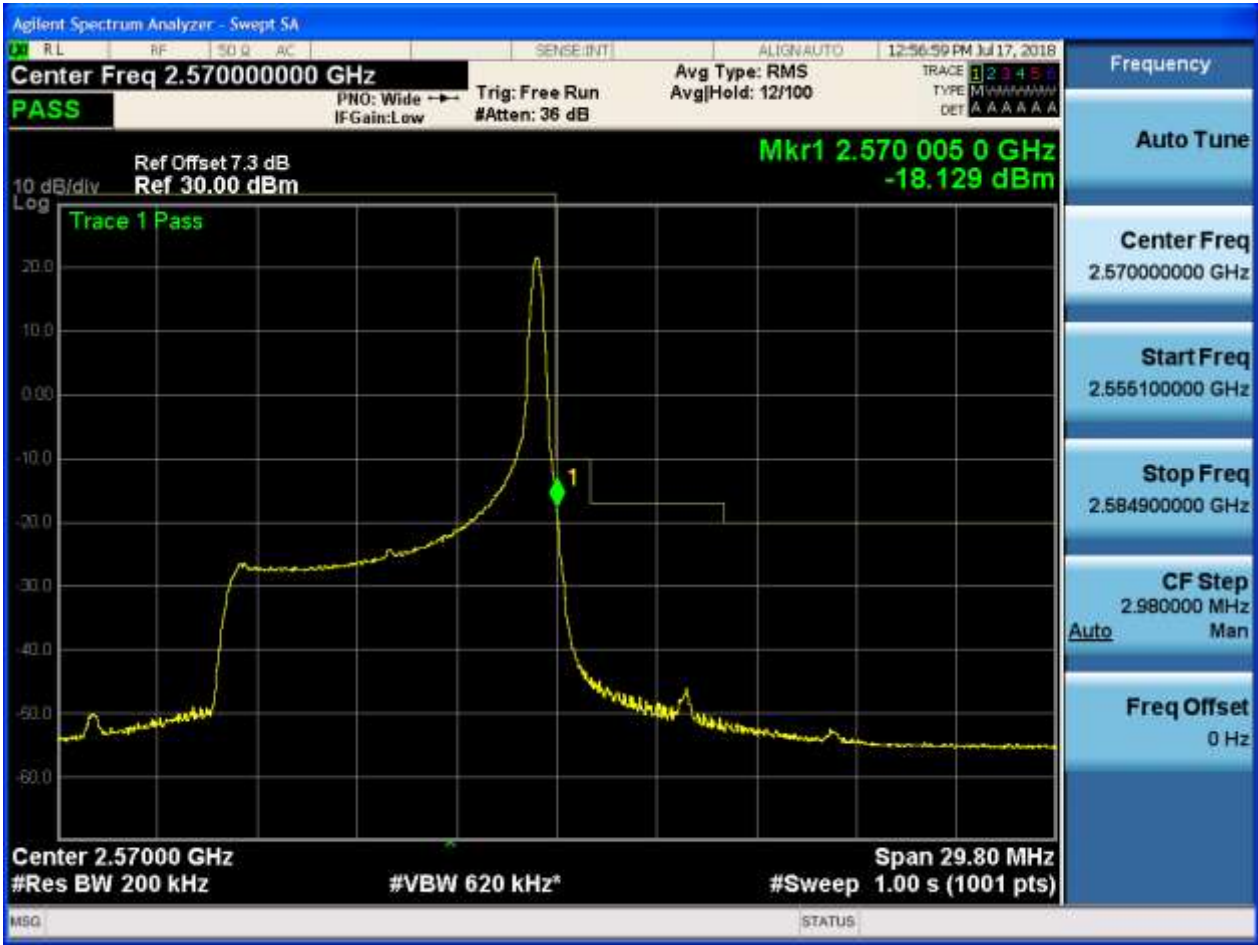
5.1.1.1.2.2 Test Channel = HCH

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

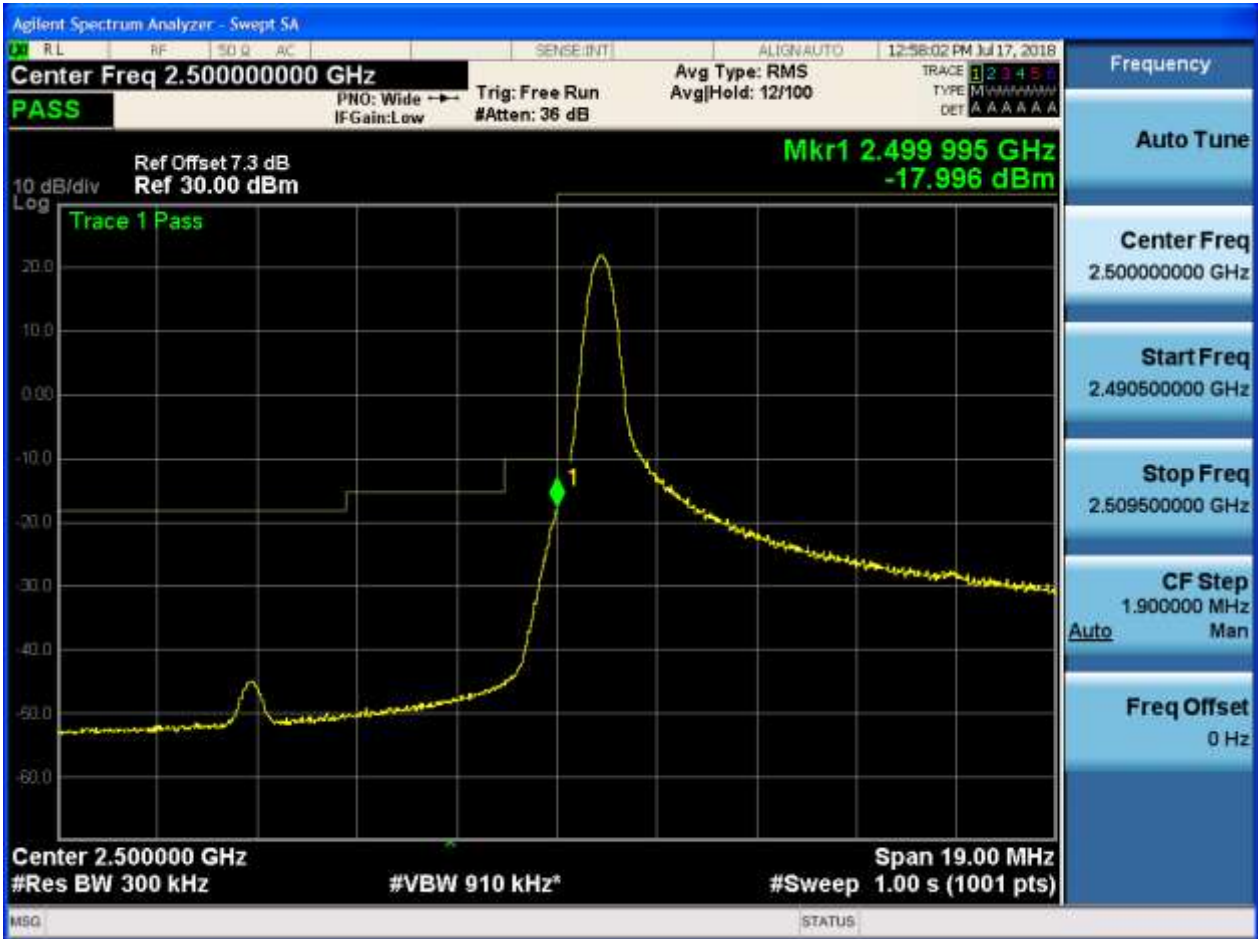




5.1.1.1.3 Test Bandwidth = 15

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 = RB36#18





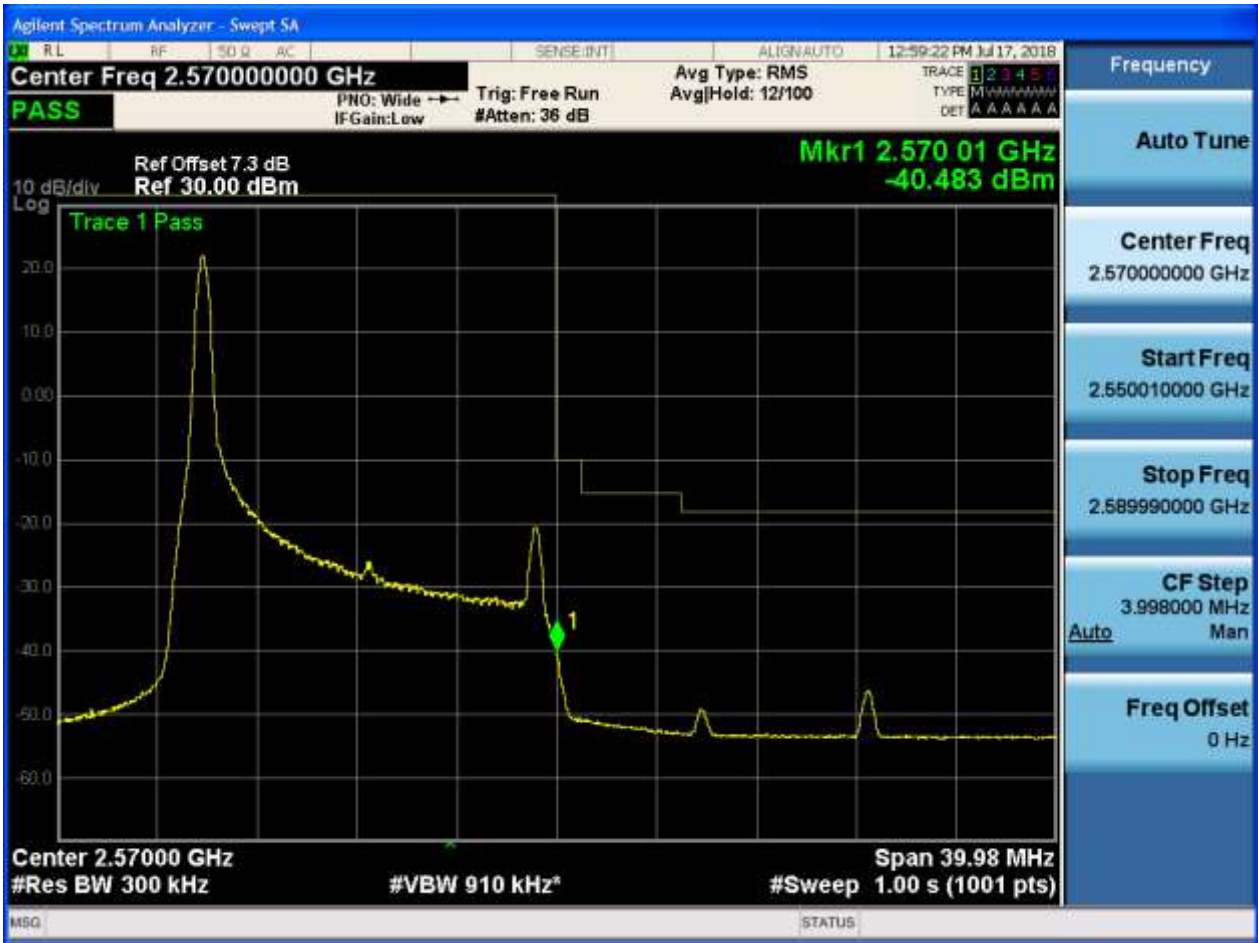
5.1.1.1.3.1.4 Test RB = RB75#0





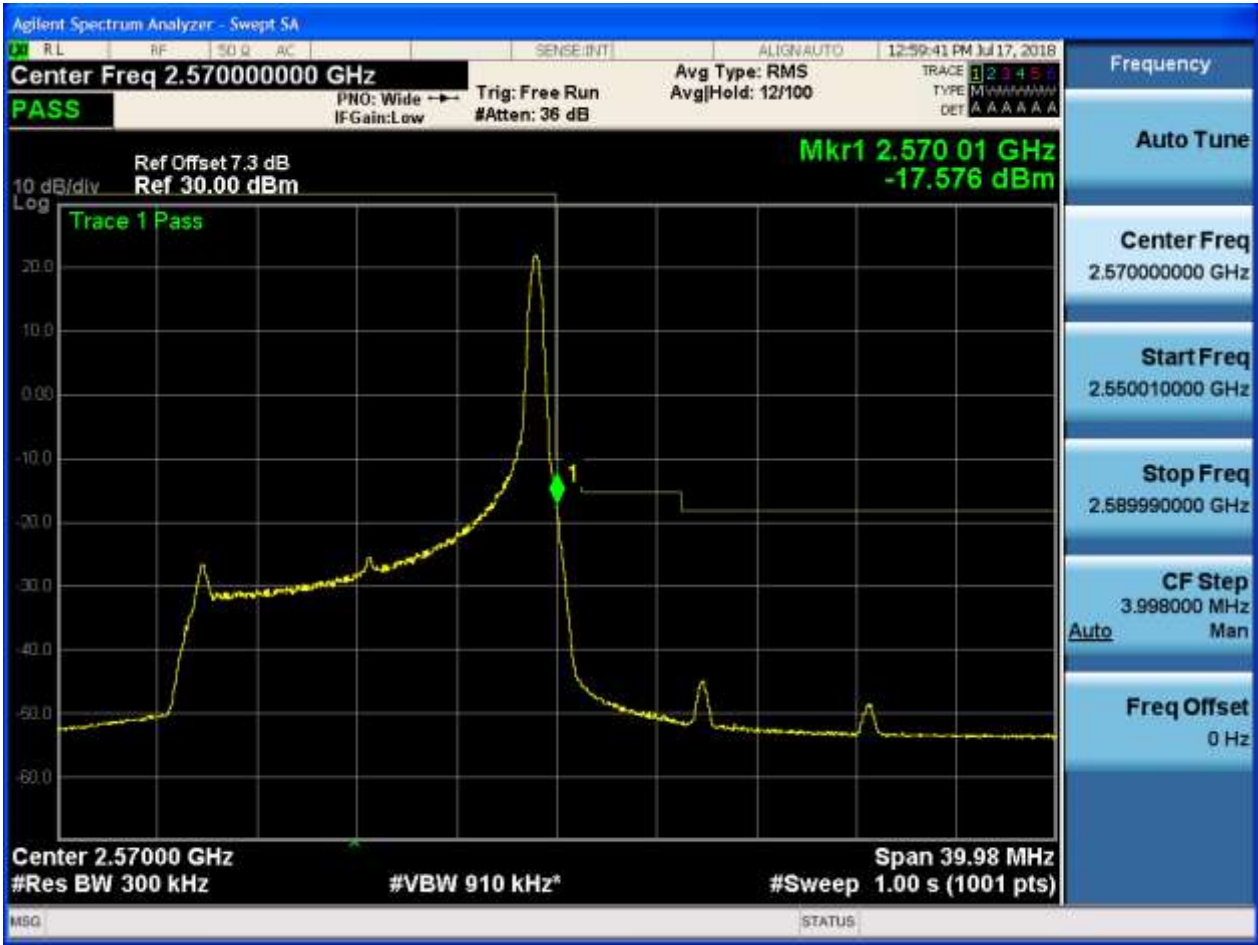
5.1.1.1.3.2 Test Channel = HCH

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 = RB36#18





5.1.1.1.3.2.4 Test RB = RB75#0

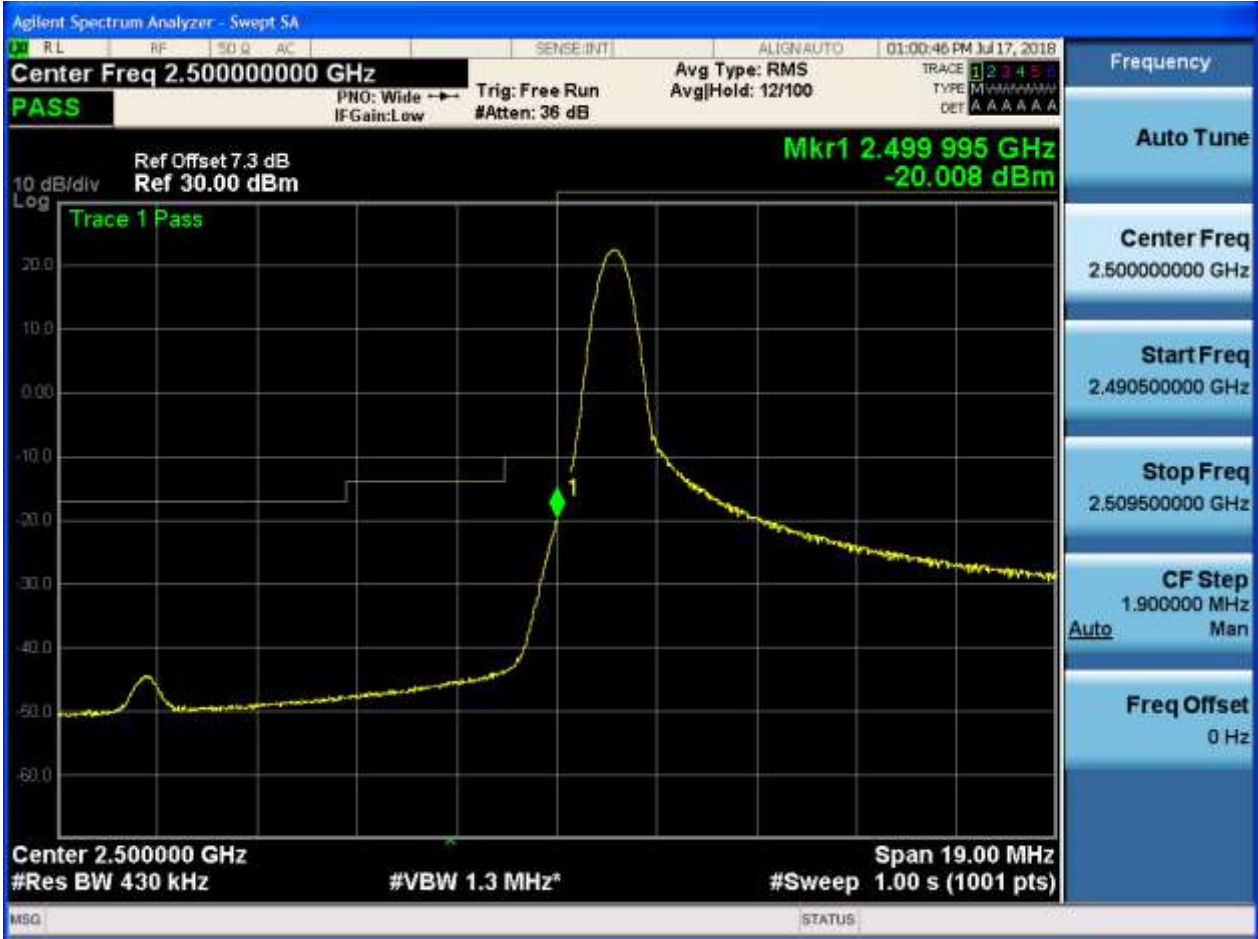




5.1.1.1.4 Test Bandwidth = 20

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





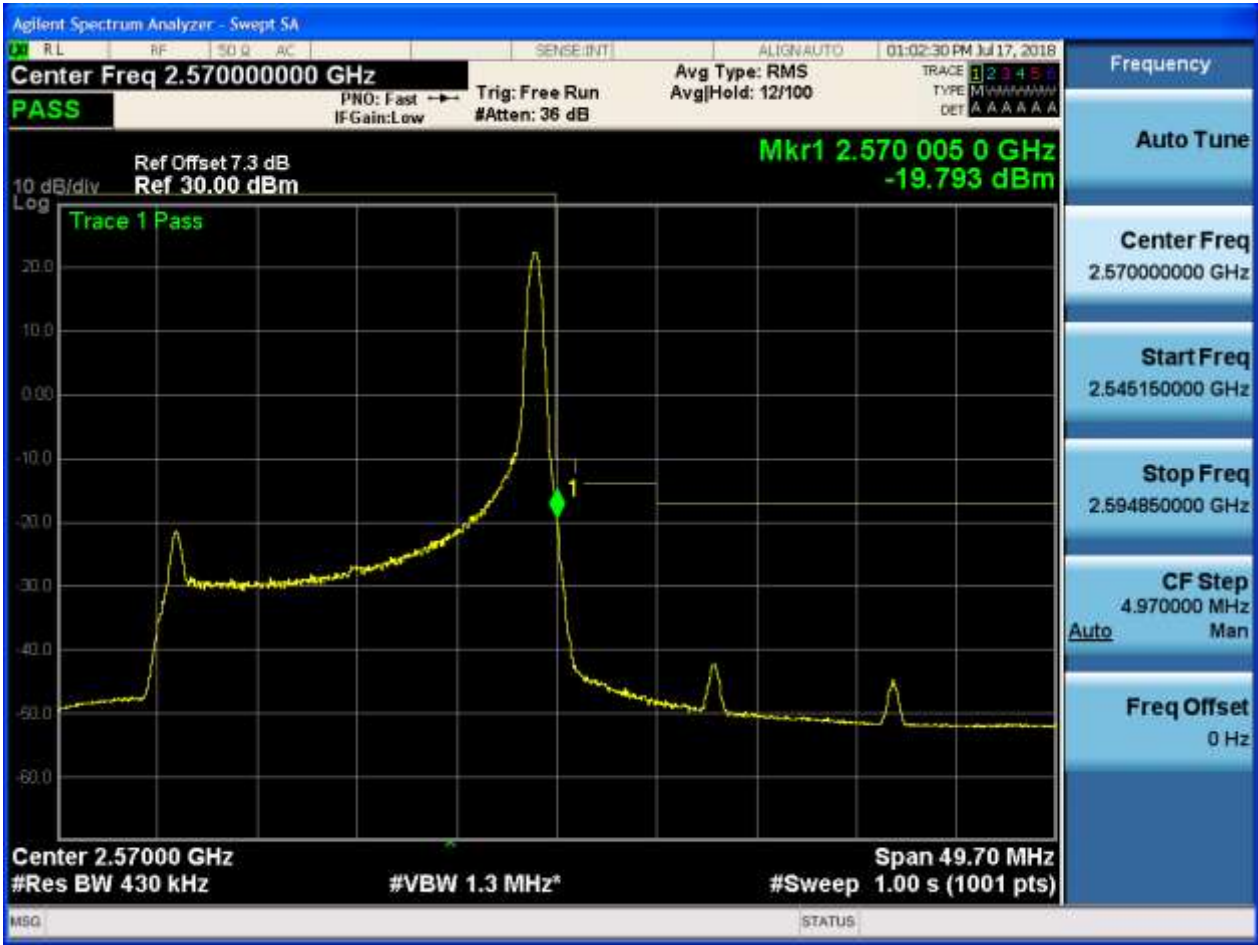
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





5.1.1.1.4.2.2 Test RB = RB1#99





5.1.1.1.4.2.3 Test RB = RB50#25





5.1.1.1.4.2.4 Test RB = RB100#0





5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



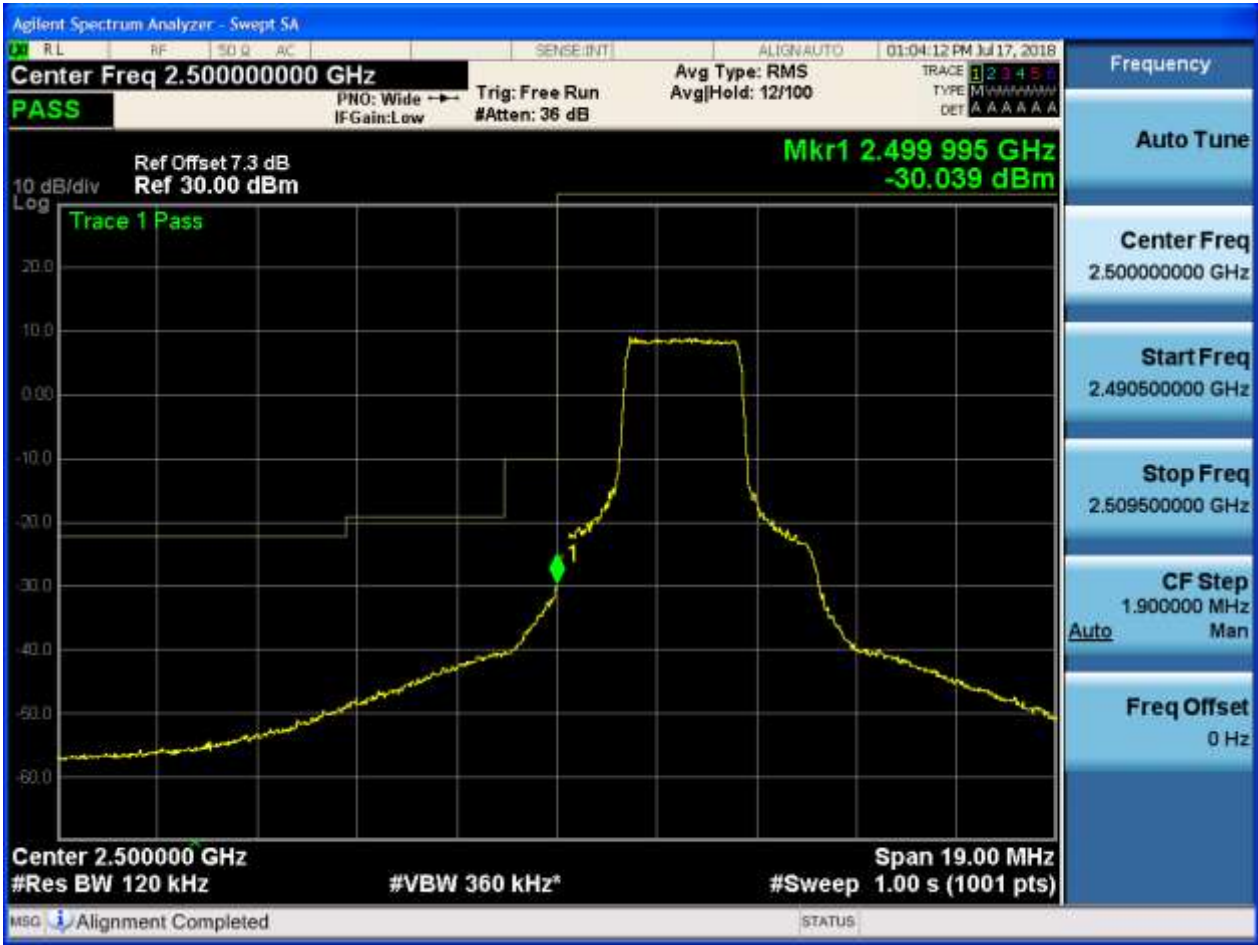


5.1.1.2.1.1.2 Test RB = RB1#24





5.1.1.2.1.1.3 Test RB = RB12#6





5.1.1.2.1.1.4 Test RB = RB25#0





5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



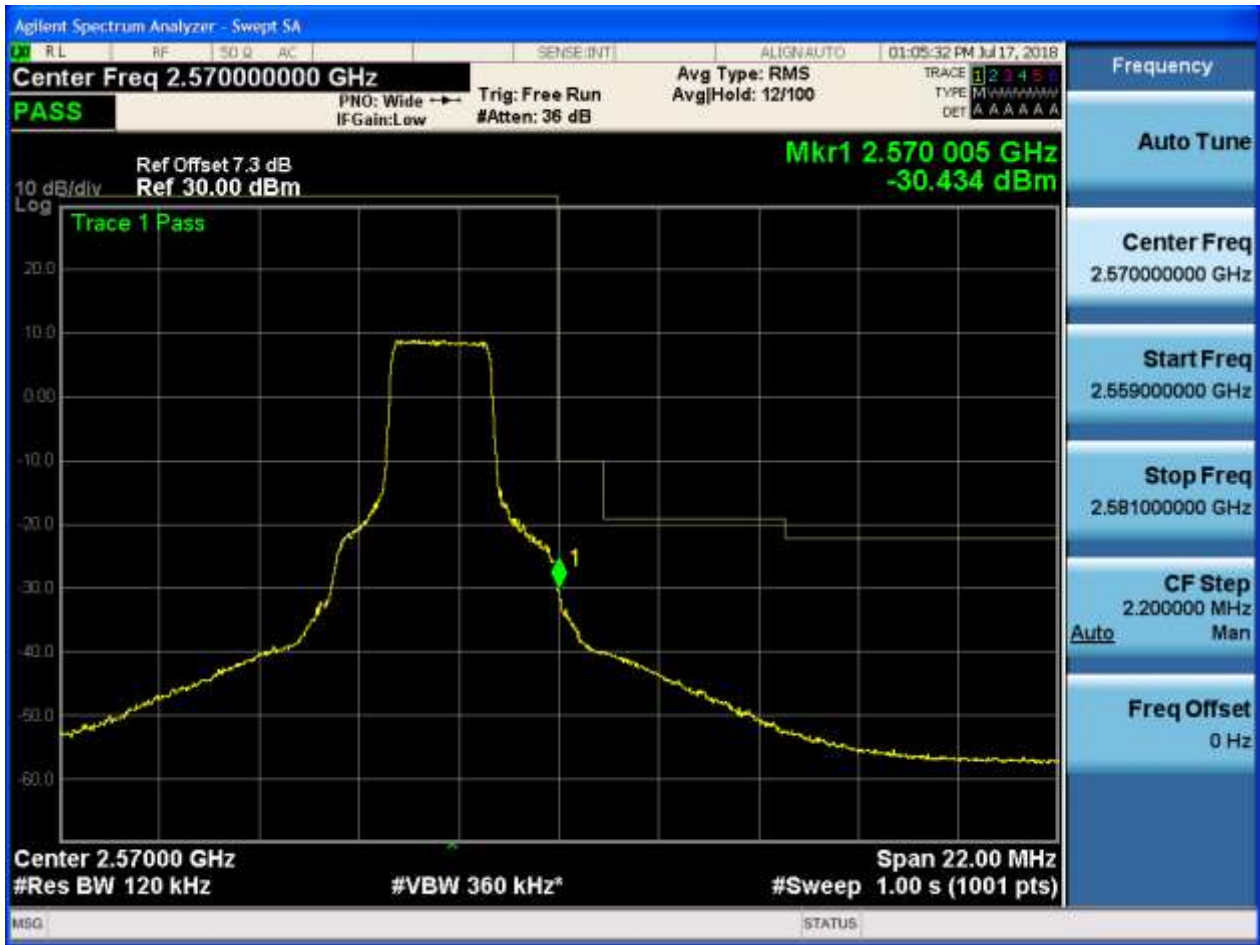


5.1.1.2.1.2.2 Test RB = RB1#24





5.1.1.2.1.2.3 Test RB = RB12#6





5.1.1.2.1.2.4 Test RB = RB25#0

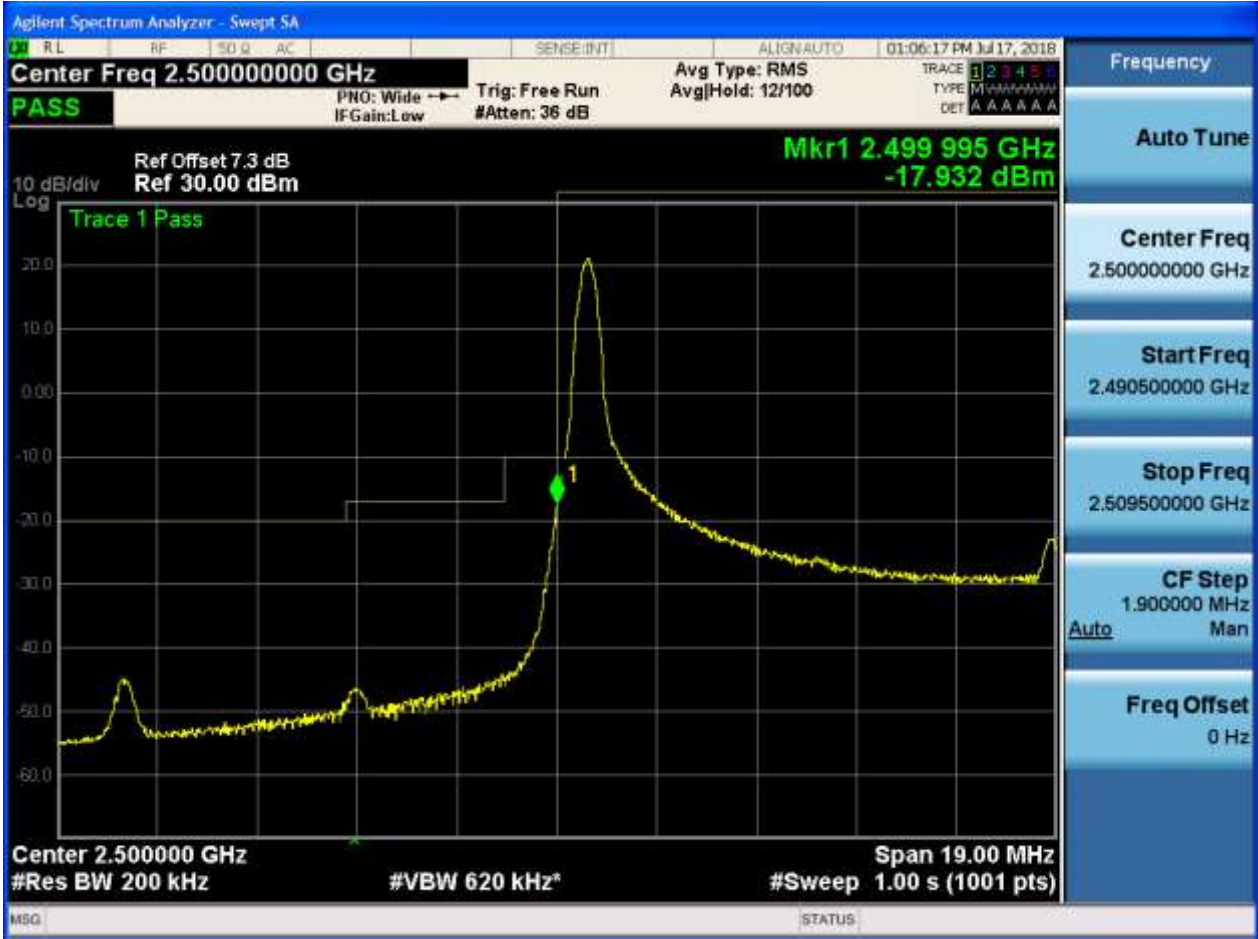




5.1.1.2.2 Test Bandwidth = 10

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#49





5.1.1.2.2.1.3 Test RB = RB25#13





5.1.1.2.2.1.4 Test RB = RB50#0





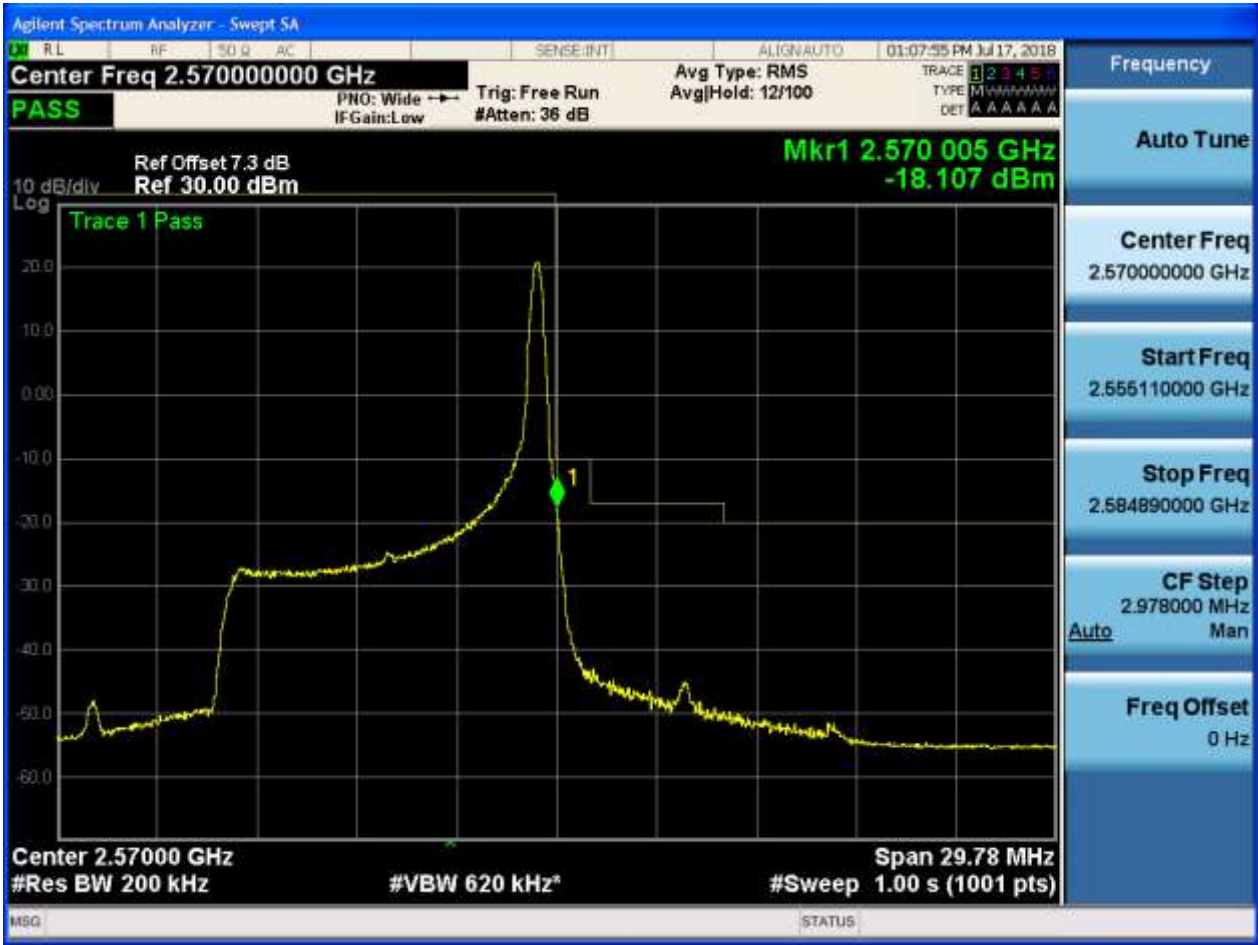
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2.2 Test RB = RB1#49





5.1.1.2.2.2.3 Test RB = RB25#13





5.1.1.2.2.2.4 Test RB = RB50#0

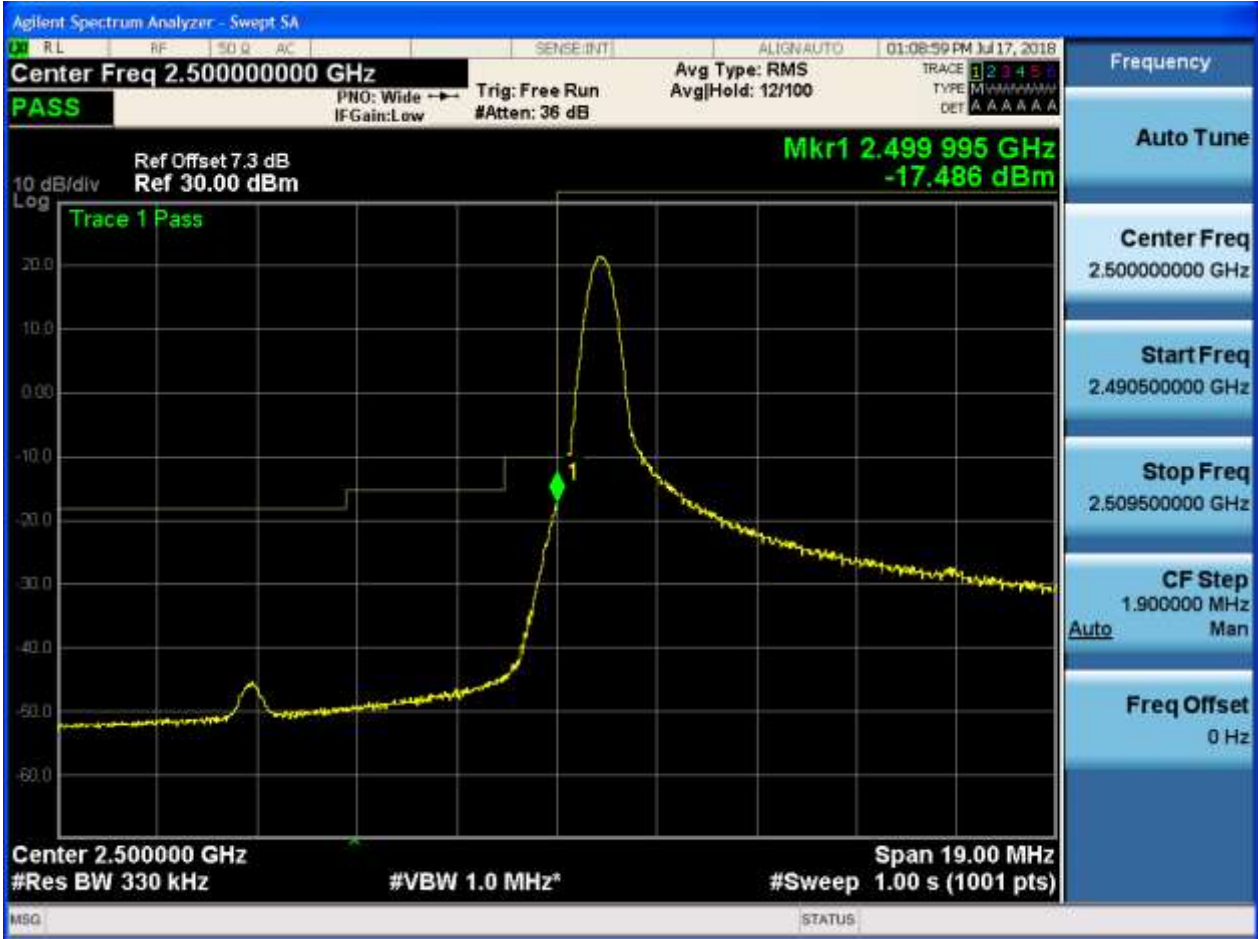




5.1.1.2.3 Test Bandwidth = 15

5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0





5.1.1.2.3.1.2 Test RB = RB1#74





5.1.1.2.3.1.3 Test RB = RB36#18





5.1.1.2.3.1.4 Test RB = RB75#0





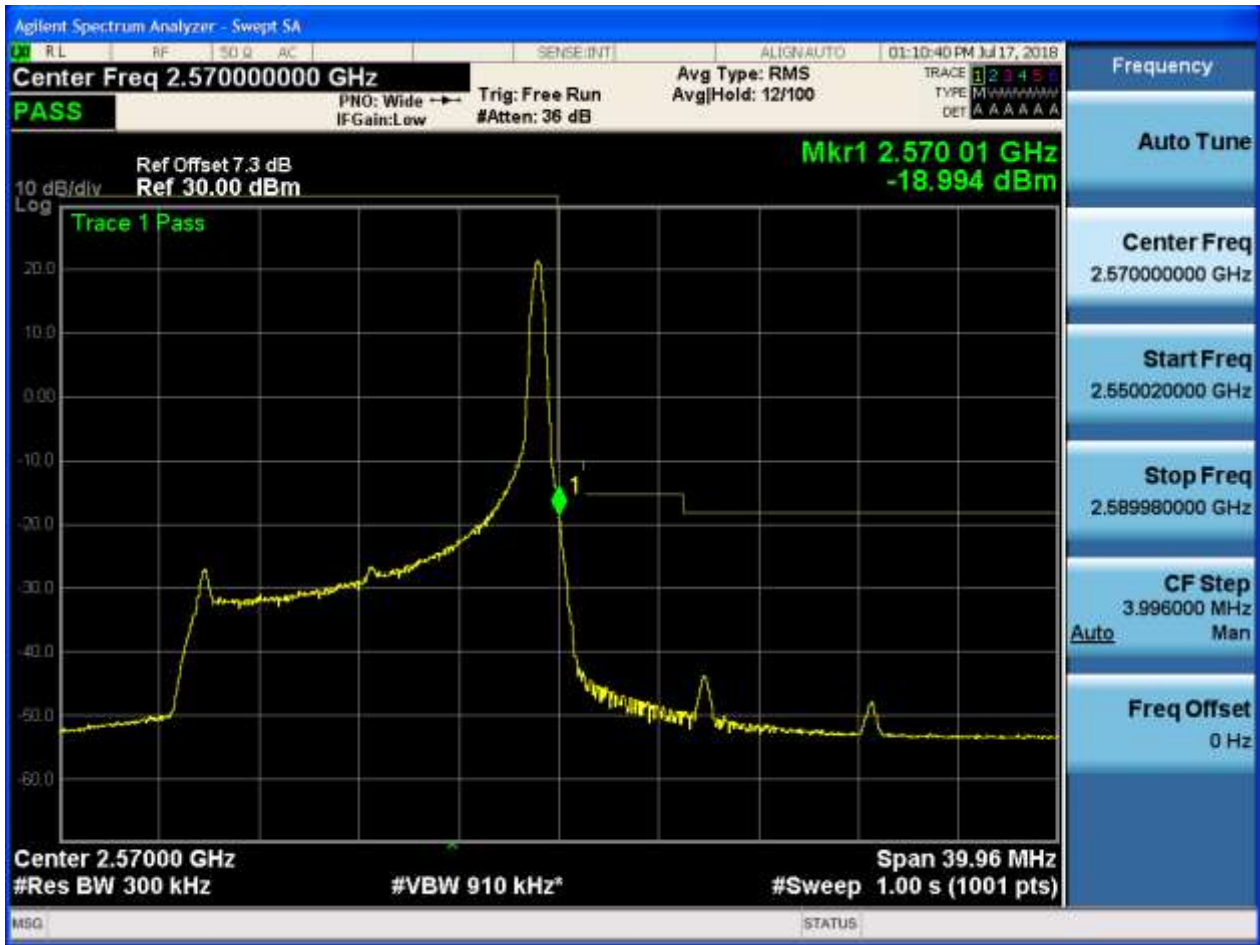
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





5.1.1.2.3.2.2 Test RB = RB1#74





5.1.1.2.3.2.3 Test RB = RB36#18





5.1.1.2.3.2.4 Test RB = RB75#0

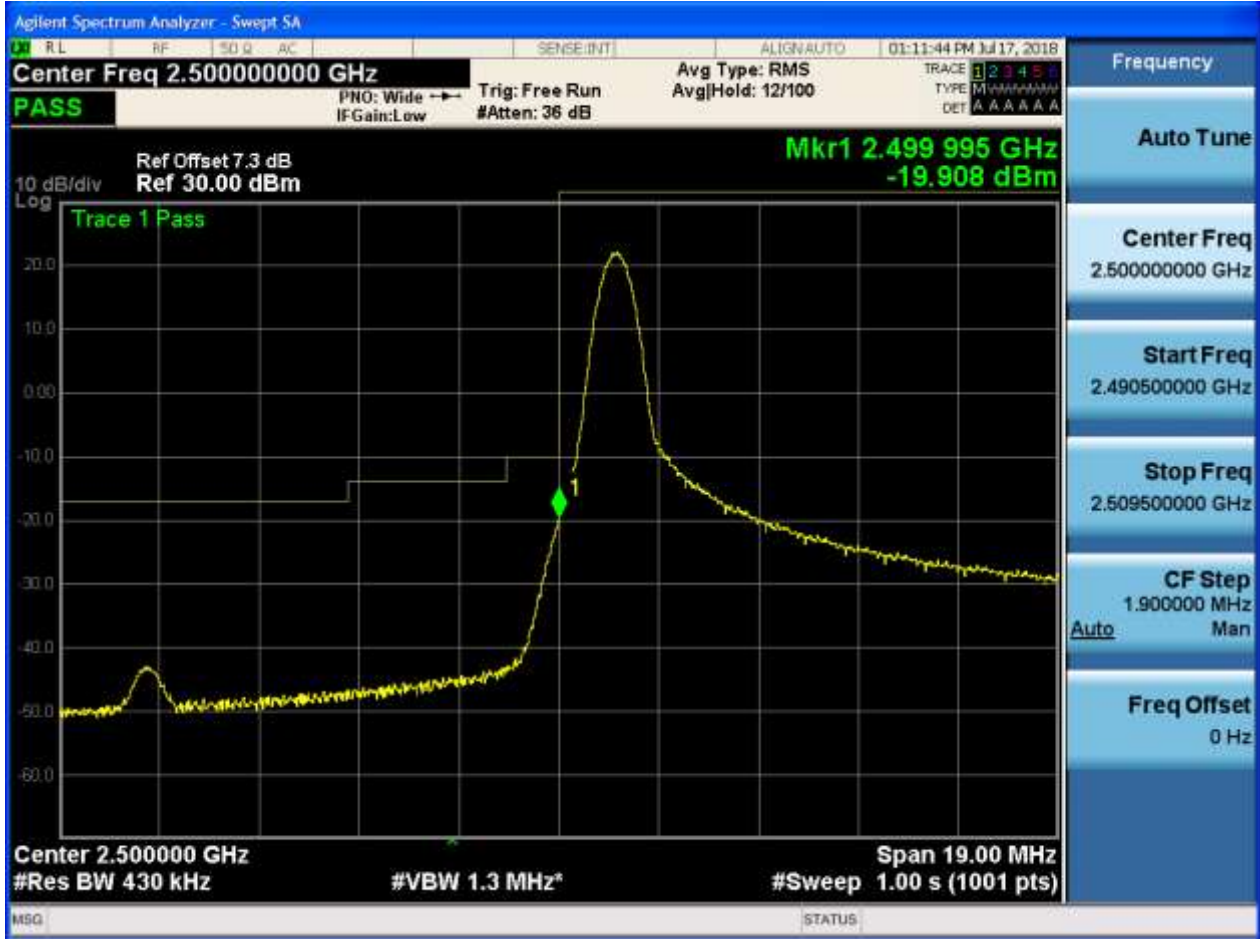




5.1.1.2.4 Test Bandwidth = 20

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0





5.1.1.2.4.1.2 Test RB = RB1#99





5.1.1.2.4.1.3 Test RB = RB50#25





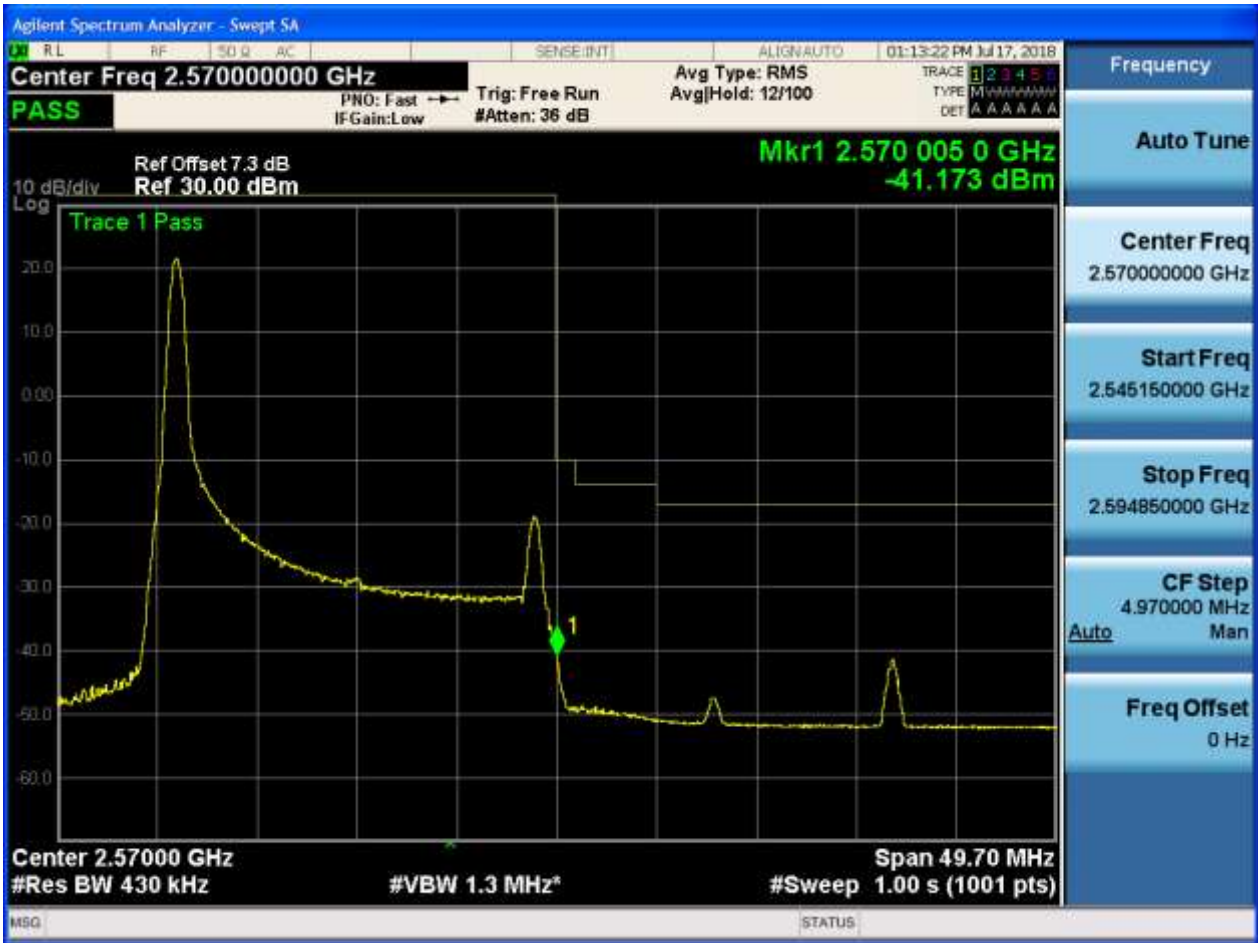
5.1.1.2.4.1.4 Test RB = RB100#0





5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0





5.1.1.2.4.2.2 Test RB = RB1#99





5.1.1.2.4.2.3 Test RB = RB50#25





5.1.1.2.4.2.4 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

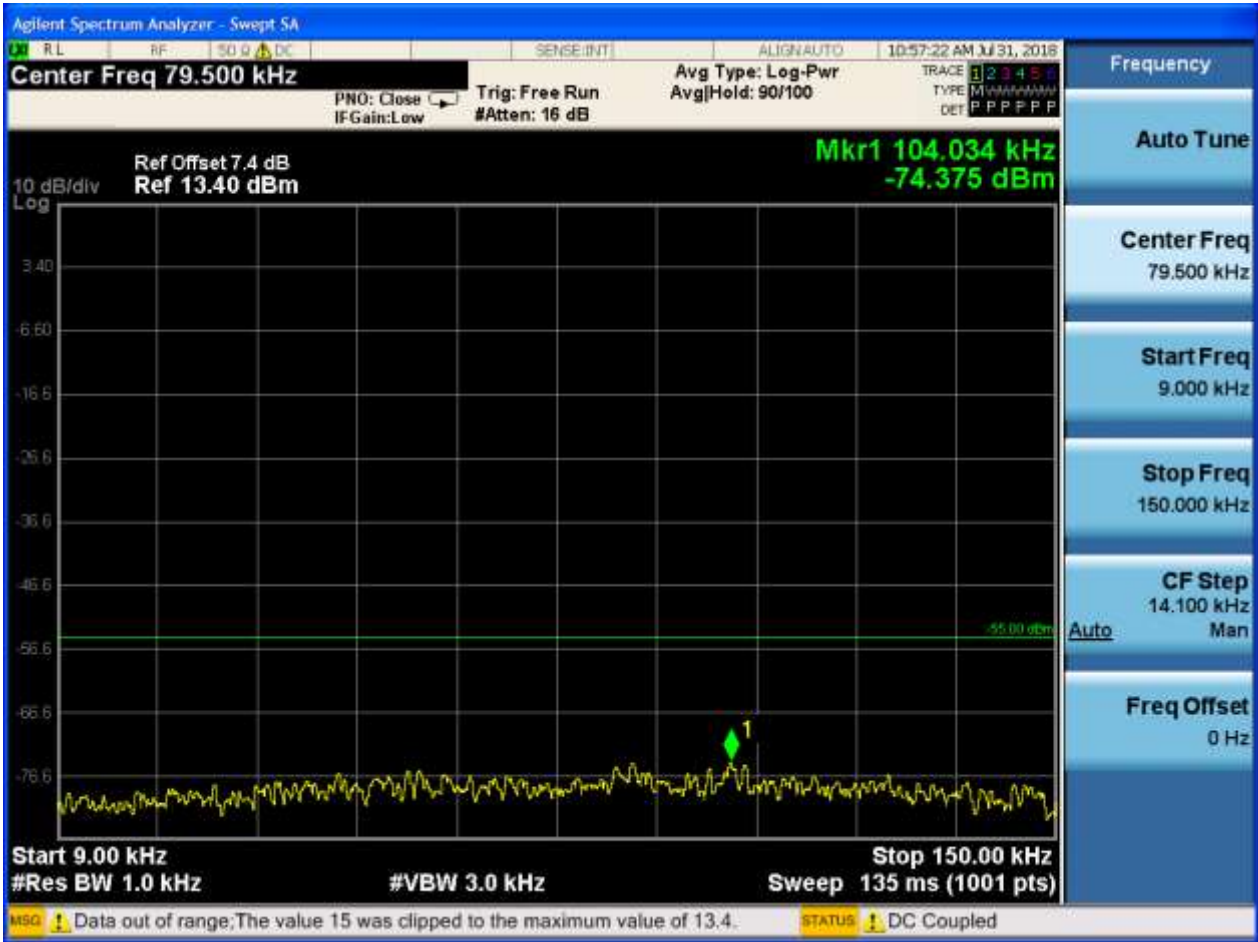
6.1.1 Test Band = BAND7

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0









6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0









6.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 Test RB = RB1#0









6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0





