



Appendix for test report

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

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| BAND38 | LTE/TM1 | 5 | LCH | RB1#0 | 23.2 | 21.97 | 33 | PASS |
| | | | | RB1#13 | 23.19 | 21.89 | 33 | PASS |
| | | | | RB1#24 | 23.21 | 21.97 | 33 | PASS |
| | | | | RB12#0 | 22.21 | 20.98 | 33 | PASS |
| | | | | RB12#6 | 22.04 | 20.94 | 33 | PASS |
| | | | | RB12#13 | 22.22 | 20.92 | 33 | PASS |
| | | | | RB25#0 | 22.19 | 21.07 | 33 | PASS |
| | | | MCH | RB1#0 | 23.25 | 22.09 | 33 | PASS |
| | | | | RB1#13 | 23.31 | 22.09 | 33 | PASS |
| | | | | RB1#24 | 23.34 | 22.04 | 33 | PASS |
| | | | | RB12#0 | 22.38 | 21.19 | 33 | PASS |
| | | | | RB12#6 | 22.36 | 21.19 | 33 | PASS |
| | | | | RB12#13 | 22.32 | 21.18 | 33 | PASS |
| | | | | RB25#0 | 22.34 | 21.25 | 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 | 21.90 | 33 | PASS |
| | | | | RB1#13 | 23.24 | 22.00 | 33 | PASS |
| | | | | RB1#24 | 23.29 | 21.97 | 33 | PASS |
| | | | | RB12#0 | 22.35 | 21.28 | 33 | PASS |
| | | | | RB12#6 | 22.38 | 21.11 | 33 | PASS |
| | | | | RB12#13 | 22.38 | 21.08 | 33 | PASS |
| | | | | RB25#0 | 22.35 | 21.00 | 33 | PASS |
| | | 10 | LCH | RB1#0 | 23.09 | 22.02 | 33 | PASS |
| | | | | RB1#25 | 22.63 | 21.56 | 33 | PASS |
| | | | | RB1#49 | 23.15 | 21.84 | 33 | PASS |
| | | | | RB25#0 | 22.16 | 21.05 | 33 | PASS |
| | | | | RB25#13 | 22.13 | 21.02 | 33 | PASS |
| | | | | RB25#25 | 22.18 | 21.01 | 33 | PASS |
| | | | | RB50#0 | 22.12 | 20.96 | 33 | PASS |
| | | | | MCH | RB1#0 | 23.3 | 22.12 | 33 |
| RB1#25 | 23.24 | 22.03 | 33 | | PASS | | | |
| RB1#49 | 23.33 | 22.17 | 33 | | PASS | | | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict | |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|------|
| | | | | RB25#0 | 22.42 | 21.33 | 33 | PASS | |
| | | | | RB25#13 | 22.3 | 21.09 | 33 | PASS | |
| | | | | RB25#25 | 22.37 | 21.28 | 33 | PASS | |
| | | | | RB50#0 | 22.37 | 21.26 | 33 | PASS | |
| | | | HCH | RB1#0 | 23.31 | 22.24 | 33 | PASS | |
| | | | | RB1#25 | 23.2 | 21.97 | 33 | PASS | |
| | | | | RB1#49 | 23.28 | 21.99 | 33 | PASS | |
| | | | | RB25#0 | 22.33 | 21.07 | 33 | PASS | |
| | | | | RB25#13 | 22.25 | 21.17 | 33 | PASS | |
| | | | | RB25#25 | 22.42 | 21.08 | 33 | PASS | |
| | | | | RB50#0 | 22.38 | 21.07 | 33 | PASS | |
| | | | | 15 | LCH | RB1#0 | 23.04 | 21.80 | 33 |
| | | | RB1#38 | | | 23.1 | 21.92 | 33 | PASS |
| | | | RB1#74 | | | 23.08 | 21.99 | 33 | PASS |
| | | RB36#0 | 22.23 | | | 21.15 | 33 | PASS | |
| | | RB36#18 | 22.19 | | | 21.02 | 33 | PASS | |
| | | RB36#39 | 22.27 | | | 21.03 | 33 | PASS | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB75#0 | 22.16 | 20.88 | 33 | PASS |
| | | | MCH | RB1#0 | 23.19 | 22.07 | 33 | PASS |
| | | | | RB1#38 | 23.43 | 22.12 | 33 | PASS |
| | | | | RB1#74 | 23.2 | 21.86 | 33 | PASS |
| | | | | RB36#0 | 22.42 | 21.31 | 33 | PASS |
| | | | | RB36#18 | 22.4 | 21.08 | 33 | PASS |
| | | | | RB36#39 | 22.46 | 21.35 | 33 | PASS |
| | | | | RB75#0 | 22.39 | 21.21 | 33 | PASS |
| | | | | HCH | RB1#0 | 23.34 | 22.07 | 33 |
| | | | RB1#38 | | 23.42 | 22.21 | 33 | PASS |
| | | | RB1#74 | | 23.38 | 22.13 | 33 | PASS |
| | | | RB36#0 | | 22.41 | 21.28 | 33 | PASS |
| | | | RB36#18 | | 22.4 | 21.18 | 33 | PASS |
| | | | RB36#39 | | 22.42 | 21.27 | 33 | PASS |
| | | | RB75#0 | | 22.47 | 21.33 | 33 | PASS |
| | | 20 | LCH | RB1#0 | 23.18 | 21.83 | 33 | PASS |
| | | | | RB1#50 | 22.4 | 21.14 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB1#99 | 23.38 | 22.11 | 33 | PASS |
| | | | | RB50#0 | 22.19 | 21.05 | 33 | PASS |
| | | | | RB50#25 | 22.18 | 20.99 | 33 | PASS |
| | | | | RB50#50 | 22.27 | 21.21 | 33 | PASS |
| | | | | RB100#0 | 22.25 | 20.98 | 33 | PASS |
| | | | MCH | RB1#0 | 23.31 | 22.17 | 33 | PASS |
| | | | | RB1#50 | 23.14 | 21.87 | 33 | PASS |
| | | | | RB1#99 | 23.4 | 22.25 | 33 | PASS |
| | | | | RB50#0 | 22.32 | 21.06 | 33 | PASS |
| | | | | RB50#25 | 22.41 | 21.25 | 33 | PASS |
| | | | | RB50#50 | 22.37 | 21.17 | 33 | PASS |
| | | | | RB100#0 | 22.4 | 21.30 | 33 | PASS |
| | | | HCH | RB1#0 | 23.37 | 22.24 | 33 | PASS |
| | | | | RB1#50 | 23.2 | 21.85 | 33 | PASS |
| | | | | RB1#99 | 23.3 | 22.09 | 33 | PASS |
| | | | | RB50#0 | 22.43 | 21.29 | 33 | PASS |
| | | | | RB50#25 | 22.29 | 21.09 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB50#50 | 22.33 | 21.16 | 33 | PASS |
| | | | | RB100#0 | 22.28 | 20.98 | 33 | PASS |
| | LTE/TM2 | 5 | LCH | RB1#0 | 22.53 | 21.39 | 33 | PASS |
| | | | | RB1#13 | 22.42 | 21.25 | 33 | PASS |
| | | | | RB1#24 | 22.38 | 21.24 | 33 | PASS |
| | | | | RB12#0 | 21.07 | 19.72 | 33 | PASS |
| | | | | RB12#6 | 21.01 | 19.92 | 33 | PASS |
| | | | | RB12#13 | 21.24 | 20.15 | 33 | PASS |
| | | | | RB25#0 | 21.08 | 19.85 | 33 | PASS |
| | | | MCH | RB1#0 | 22.58 | 21.36 | 33 | PASS |
| | | | | RB1#13 | 22.65 | 21.48 | 33 | PASS |
| | | | | RB1#24 | 22.58 | 21.30 | 33 | PASS |
| | | | | RB12#0 | 21.38 | 20.16 | 33 | PASS |
| | | | | RB12#6 | 21.39 | 20.32 | 33 | PASS |
| | | | | RB12#13 | 21.38 | 20.25 | 33 | PASS |
| HCH | RB25#0 | 21.3 | 19.98 | 33 | PASS | | | |
| | | | HCH | RB1#0 | 22.63 | 21.36 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB1#13 | 22.69 | 21.42 | 33 | PASS |
| | | | | RB1#24 | 22.69 | 21.37 | 33 | PASS |
| | | | | RB12#0 | 21.49 | 20.18 | 33 | PASS |
| | | | | RB12#6 | 21.38 | 20.22 | 33 | PASS |
| | | | | RB12#13 | 21.55 | 20.35 | 33 | PASS |
| | | | | RB25#0 | 21.37 | 20.25 | 33 | PASS |
| | | | | RB1#0 | 22.28 | 21.01 | 33 | PASS |
| | | | | RB1#25 | 21.84 | 20.61 | 33 | PASS |
| | | | | RB1#49 | 22.29 | 21.00 | 33 | PASS |
| | | | LCH | RB25#0 | 21.03 | 19.72 | 33 | PASS |
| | | | | RB25#13 | 21.07 | 19.73 | 33 | PASS |
| | | 10 | | RB25#25 | 21.13 | 19.96 | 33 | PASS |
| | | | | RB50#0 | 21.03 | 19.69 | 33 | PASS |
| | | | | RB1#0 | 22.46 | 21.27 | 33 | PASS |
| | | | MCH | RB1#25 | 22.76 | 21.57 | 33 | PASS |
| | | | | RB1#49 | 22.57 | 21.43 | 33 | PASS |
| | | | | RB25#0 | 21.33 | 20.13 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB25#13 | 21.31 | 20.16 | 33 | PASS |
| | | | | RB25#25 | 21.33 | 20.23 | 33 | PASS |
| | | | | RB50#0 | 21.36 | 20.20 | 33 | PASS |
| | | | HCH | RB1#0 | 22.77 | 21.62 | 33 | PASS |
| | | | | RB1#25 | 22.5 | 21.28 | 33 | PASS |
| | | | | RB1#49 | 22.79 | 21.52 | 33 | PASS |
| | | | | RB25#0 | 21.29 | 20.01 | 33 | PASS |
| | | | | RB25#13 | 21.18 | 19.90 | 33 | PASS |
| | | | | RB25#25 | 21.24 | 19.91 | 33 | PASS |
| | | RB50#0 | 21.18 | 20.01 | 33 | PASS | | |
| | | 15 | LCH | RB1#0 | 22.45 | 21.19 | 33 | PASS |
| | | | | RB1#38 | 22.57 | 21.32 | 33 | PASS |
| | | | | RB1#74 | 22.4 | 21.15 | 33 | PASS |
| | | | | RB36#0 | 21.07 | 19.91 | 33 | PASS |
| | | | | RB36#18 | 21.14 | 19.93 | 33 | PASS |
| RB36#39 | 21.23 | | | 20.08 | 33 | PASS | | |
| | | | | RB75#0 | 21.05 | 19.99 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | MCH | RB1#0 | 22.4 | 21.15 | 33 | PASS |
| | | | | RB1#38 | 22.68 | 21.60 | 33 | PASS |
| | | | | RB1#74 | 22.53 | 21.47 | 33 | PASS |
| | | | | RB36#0 | 21.22 | 19.92 | 33 | PASS |
| | | | | RB36#18 | 21.38 | 20.08 | 33 | PASS |
| | | | | RB36#39 | 21.38 | 20.19 | 33 | PASS |
| | | | | RB75#0 | 21.34 | 20.27 | 33 | PASS |
| | | | HCH | RB1#0 | 22.79 | 21.55 | 33 | PASS |
| | | | | RB1#38 | 22.76 | 21.42 | 33 | PASS |
| | | | | RB1#74 | 22.65 | 21.59 | 33 | PASS |
| | | | | RB36#0 | 21.49 | 20.43 | 33 | PASS |
| | | | | RB36#18 | 21.35 | 20.30 | 33 | PASS |
| | | | | RB36#39 | 21.35 | 20.06 | 33 | PASS |
| | | | | RB75#0 | 21.23 | 20.08 | 33 | PASS |
| | | 20 | LCH | RB1#0 | 22.54 | 21.25 | 33 | PASS |
| RB1#50 | 22.23 | | | 20.91 | 33 | PASS | | |
| RB1#99 | 22.68 | | | 21.44 | 33 | PASS | | |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB50#0 | 21.02 | 19.97 | 33 | PASS |
| | | | | RB50#25 | 21.08 | 20.01 | 33 | PASS |
| | | | | RB50#50 | 21.11 | 20.05 | 33 | PASS |
| | | | | RB100#0 | 21.09 | 19.95 | 33 | PASS |
| | | | MCH | RB1#0 | 22.55 | 21.31 | 33 | PASS |
| | | | | RB1#50 | 22.35 | 21.30 | 33 | PASS |
| | | | | RB1#99 | 22.64 | 21.34 | 33 | PASS |
| | | | | RB50#0 | 21.22 | 19.92 | 33 | PASS |
| | | | | RB50#25 | 21.37 | 20.15 | 33 | PASS |
| | | | | RB50#50 | 21.43 | 20.36 | 33 | PASS |
| | | | | RB100#0 | 21.33 | 20.20 | 33 | PASS |
| | | | | HCH | RB1#0 | 22.66 | 21.58 | 33 |
| | | | RB1#50 | | 22.43 | 21.16 | 33 | PASS |
| | | | RB1#99 | | 22.68 | 21.47 | 33 | PASS |
| | | | RB50#0 | | 21.4 | 20.32 | 33 | PASS |
| | | | RB50#25 | | 21.26 | 20.00 | 33 | PASS |
| | | | RB50#50 | | 21.28 | 19.94 | 33 | PASS |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP[dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| | | | | RB100#0 | 21.36 | 20.06 | 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 |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| BAND38 | LTE/TM1 | 5 | LCH | RB1#0 | 4.67 | 13 | PASS |
| | | | | RB1#13 | 4.56 | 13 | PASS |
| | | | | RB1#24 | 4.6 | 13 | PASS |
| | | | | RB12#0 | 5.76 | 13 | PASS |
| | | | | RB12#6 | 5.81 | 13 | PASS |
| | | | | RB12#13 | 5.77 | 13 | PASS |
| | | | RB25#0 | 6.1 | 13 | PASS | |
| | | | MCH | RB1#0 | 4.56 | 13 | PASS |
| | | | | RB1#13 | 4.59 | 13 | PASS |
| | | | | RB1#24 | 4.48 | 13 | PASS |
| | | | | RB12#0 | 5.95 | 13 | PASS |
| | | | | RB12#6 | 5.86 | 13 | PASS |
| | | | | RB12#13 | 5.9 | 13 | PASS |
| | | | RB25#0 | 5.94 | 13 | PASS | |
| | | | HCH | RB1#0 | 4.25 | 13 | PASS |
| | | | | RB1#13 | 4.21 | 13 | PASS |
| | | | | RB1#24 | 4.28 | 13 | PASS |
| | | | | RB12#0 | 5.87 | 13 | PASS |
| | | RB12#6 | | 5.82 | 13 | PASS | |
| | | RB12#13 | | 5.85 | 13 | PASS | |
| | | RB25#0 | 5.83 | 13 | PASS | | |
| | | 10 | LCH | RB1#0 | 4.61 | 13 | PASS |
| | | | | RB1#25 | 4.78 | 13 | PASS |
| | | | | RB1#49 | 4.58 | 13 | PASS |
| | | | | RB25#0 | 5.69 | 13 | PASS |
| | | | | RB25#13 | 5.57 | 13 | PASS |
| | | | | RB25#25 | 5.7 | 13 | PASS |
| | | | RB50#0 | 5.74 | 13 | PASS | |
| MCH | RB1#0 | | 4.68 | 13 | PASS | | |
| | RB1#25 | | 4.76 | 13 | PASS | | |
| | RB1#49 | | 4.56 | 13 | PASS | | |
| | RB25#0 | 5.64 | 13 | PASS | | | |
| RB25#13 | 5.6 | 13 | PASS | | | | |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| | | | | RB25#25 | 5.68 | 13 | PASS |
| | | | | RB50#0 | 6.04 | 13 | PASS |
| | | | HCH | RB1#0 | 4.52 | 13 | PASS |
| | | | | RB1#25 | 4.59 | 13 | PASS |
| | | | | RB1#49 | 4.51 | 13 | PASS |
| | | | | RB25#0 | 5.66 | 13 | PASS |
| | | | | RB25#13 | 5.57 | 13 | PASS |
| | | | | RB25#25 | 5.65 | 13 | PASS |
| | | | | RB50#0 | 6.12 | 13 | PASS |
| | | | LCH | RB1#0 | 4.79 | 13 | PASS |
| | | | | RB1#38 | 4.8 | 13 | PASS |
| | | | | RB1#74 | 4.65 | 13 | PASS |
| | | | | RB36#0 | 5.93 | 13 | PASS |
| | | | | RB36#18 | 5.89 | 13 | PASS |
| | | | | RB36#39 | 5.94 | 13 | PASS |
| | | RB75#0 | | 6.36 | 13 | PASS | |
| | | MCH | RB1#0 | 4.64 | 13 | PASS | |
| | | | RB1#38 | 4.41 | 13 | PASS | |
| | | | RB1#74 | 4.5 | 13 | PASS | |
| | | | RB36#0 | 5.71 | 13 | PASS | |
| | | | RB36#18 | 5.65 | 13 | PASS | |
| | | | RB36#39 | 5.7 | 13 | PASS | |
| | | | RB75#0 | 6.33 | 13 | PASS | |
| | | HCH | RB1#0 | 4.25 | 13 | PASS | |
| | | | RB1#38 | 4.17 | 13 | PASS | |
| | | | RB1#74 | 4.16 | 13 | PASS | |
| | | | RB36#0 | 5.61 | 13 | PASS | |
| | | | RB36#18 | 5.52 | 13 | PASS | |
| | | | RB36#39 | 5.48 | 13 | PASS | |
| | | | RB75#0 | 6.12 | 13 | PASS | |
| | | 20 | LCH | RB1#0 | 4.43 | 13 | PASS |
| | | | | RB1#50 | 4.53 | 13 | PASS |
| RB1#99 | 4.42 | | | 13 | PASS | | |
| RB50#0 | 5.91 | | | 13 | PASS | | |
| RB50#25 | 5.88 | | | 13 | PASS | | |
| RB50#50 | 5.96 | | | 13 | PASS | | |
| RB100#0 | 6.13 | | | 13 | PASS | | |
| MCH | RB1#0 | | 4.39 | 13 | PASS | | |
| | RB1#50 | | 4.42 | 13 | PASS | | |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| | | | | RB1#99 | 4.3 | 13 | PASS |
| | | | | RB50#0 | 5.8 | 13 | PASS |
| | | | | RB50#25 | 5.76 | 13 | PASS |
| | | | | RB50#50 | 5.86 | 13 | PASS |
| | | | | RB100#0 | 6.21 | 13 | PASS |
| | | | HCH | RB1#0 | 4.18 | 13 | PASS |
| | | | | RB1#50 | 4.23 | 13 | PASS |
| | | | | RB1#99 | 4.1 | 13 | PASS |
| | | | | RB50#0 | 5.82 | 13 | PASS |
| | | | | RB50#25 | 5.8 | 13 | PASS |
| | | | | RB50#50 | 5.75 | 13 | PASS |
| | | | LCH | RB100#0 | 6.43 | 13 | PASS |
| | | | | RB1#0 | 5.39 | 13 | PASS |
| | | | | RB1#13 | 5.37 | 13 | PASS |
| | | | | RB1#24 | 5.43 | 13 | PASS |
| | RB12#0 | 6.56 | | 13 | PASS | | |
| | RB12#6 | 6.6 | | 13 | PASS | | |
| | RB12#13 | 6.9 | | 13 | PASS | | |
| | MCH | RB25#0 | 6.69 | 13 | PASS | | |
| | | RB1#0 | 5.24 | 13 | PASS | | |
| | | RB1#13 | 5.01 | 13 | PASS | | |
| | | RB1#24 | 5.05 | 13 | PASS | | |
| | | RB12#0 | 6.58 | 13 | PASS | | |
| | | RB12#6 | 6.53 | 13 | PASS | | |
| | | RB12#13 | 6.55 | 13 | PASS | | |
| | HCH | RB25#0 | 6.9 | 13 | PASS | | |
| | | RB1#0 | 5.08 | 13 | PASS | | |
| | | RB1#13 | 5 | 13 | PASS | | |
| | | RB1#24 | 5.04 | 13 | PASS | | |
| | | RB12#0 | 6.58 | 13 | PASS | | |
| RB12#6 | | 6.6 | 13 | PASS | | | |
| RB12#13 | | 6.69 | 13 | PASS | | | |
| LCH | RB25#0 | 6.62 | 13 | PASS | | | |
| | RB1#0 | 5.25 | 13 | PASS | | | |
| | RB1#25 | 4.85 | 13 | PASS | | | |
| | RB1#49 | 5.12 | 13 | PASS | | | |
| | RB25#0 | 6.55 | 13 | PASS | | | |
| | RB25#13 | 6.37 | 13 | PASS | | | |
| RB25#25 | 6.48 | 13 | PASS | | | | |
| LTE/TM2 | | 5 | | RB25#25 | 6.48 | 13 | PASS |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict | |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|------|
| | | | | RB50#0 | 6.68 | 13 | PASS | |
| | | | MCH | RB1#0 | 5.03 | 13 | PASS | |
| | | | | RB1#25 | 5.01 | 13 | PASS | |
| | | | | RB1#49 | 5.17 | 13 | PASS | |
| | | | | RB25#0 | 6.64 | 13 | PASS | |
| | | | | RB25#13 | 6.48 | 13 | PASS | |
| | | | | RB25#25 | 6.46 | 13 | PASS | |
| | | | | RB50#0 | 7.15 | 13 | PASS | |
| | | | HCH | RB1#0 | 5.52 | 13 | PASS | |
| | | | | RB1#25 | 5.64 | 13 | PASS | |
| | | | | RB1#49 | 5.42 | 13 | PASS | |
| | | | | RB25#0 | 6.62 | 13 | PASS | |
| | | | | RB25#13 | 6.36 | 13 | PASS | |
| | | | | RB25#25 | 6.52 | 13 | PASS | |
| | | 15 | LCH | | RB1#0 | 5.15 | 13 | PASS |
| | | | | | RB1#38 | 5.13 | 13 | PASS |
| | | | | | RB1#74 | 5.16 | 13 | PASS |
| | | | | | RB36#0 | 6.57 | 13 | PASS |
| | | | | | RB36#18 | 6.74 | 13 | PASS |
| | | | | | RB36#39 | 6.79 | 13 | PASS |
| | | | | | RB75#0 | 7.05 | 13 | PASS |
| | | | MCH | RB1#0 | 5.06 | 13 | PASS | |
| | | | | RB1#38 | 5.01 | 13 | PASS | |
| | | | | RB1#74 | 5.14 | 13 | PASS | |
| | | | | RB36#0 | 6.42 | 13 | PASS | |
| | | | | RB36#18 | 6.61 | 13 | PASS | |
| | | | | RB36#39 | 6.65 | 13 | PASS | |
| | | | | RB75#0 | 7.14 | 13 | PASS | |
| | | HCH | RB1#0 | 4.92 | 13 | PASS | | |
| | | | RB1#38 | 4.94 | 13 | PASS | | |
| | | | RB1#74 | 5.08 | 13 | PASS | | |
| | | | RB36#0 | 6.62 | 13 | PASS | | |
| | | | RB36#18 | 6.57 | 13 | PASS | | |
| | | | RB36#39 | 6.57 | 13 | PASS | | |
| | | | RB75#0 | 6.82 | 13 | PASS | | |
| | | 20 | LCH | RB1#0 | 5.41 | 13 | PASS | |
| | | | | RB1#50 | 5.6 | 13 | PASS | |
| | | | | RB1#99 | 5.39 | 13 | PASS | |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| | | | | RB50#0 | 6.22 | 13 | PASS |
| | | | | RB50#25 | 6.16 | 13 | PASS |
| | | | | RB50#50 | 6.49 | 13 | PASS |
| | | | | RB100#0 | 7.01 | 13 | PASS |
| | | | MCH | RB1#0 | 5.01 | 13 | PASS |
| | | | | RB1#50 | 5.1 | 13 | PASS |
| | | | | RB1#99 | 5.18 | 13 | PASS |
| | | | | RB50#0 | 6.38 | 13 | PASS |
| | | | | RB50#25 | 6.45 | 13 | PASS |
| | | | | RB50#50 | 6.51 | 13 | PASS |
| | | | | RB100#0 | 6.92 | 13 | PASS |
| | | | HCH | RB1#0 | 5.15 | 13 | PASS |
| | | | | RB1#50 | 5.47 | 13 | PASS |
| | | | | RB1#99 | 5.15 | 13 | PASS |
| | | | | RB50#0 | 6.75 | 13 | PASS |
| | | | | RB50#25 | 6.75 | 13 | PASS |
| | | | | RB50#50 | 6.73 | 13 | PASS |
| | | | | RB100#0 | 6.87 | 13 | PASS |

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

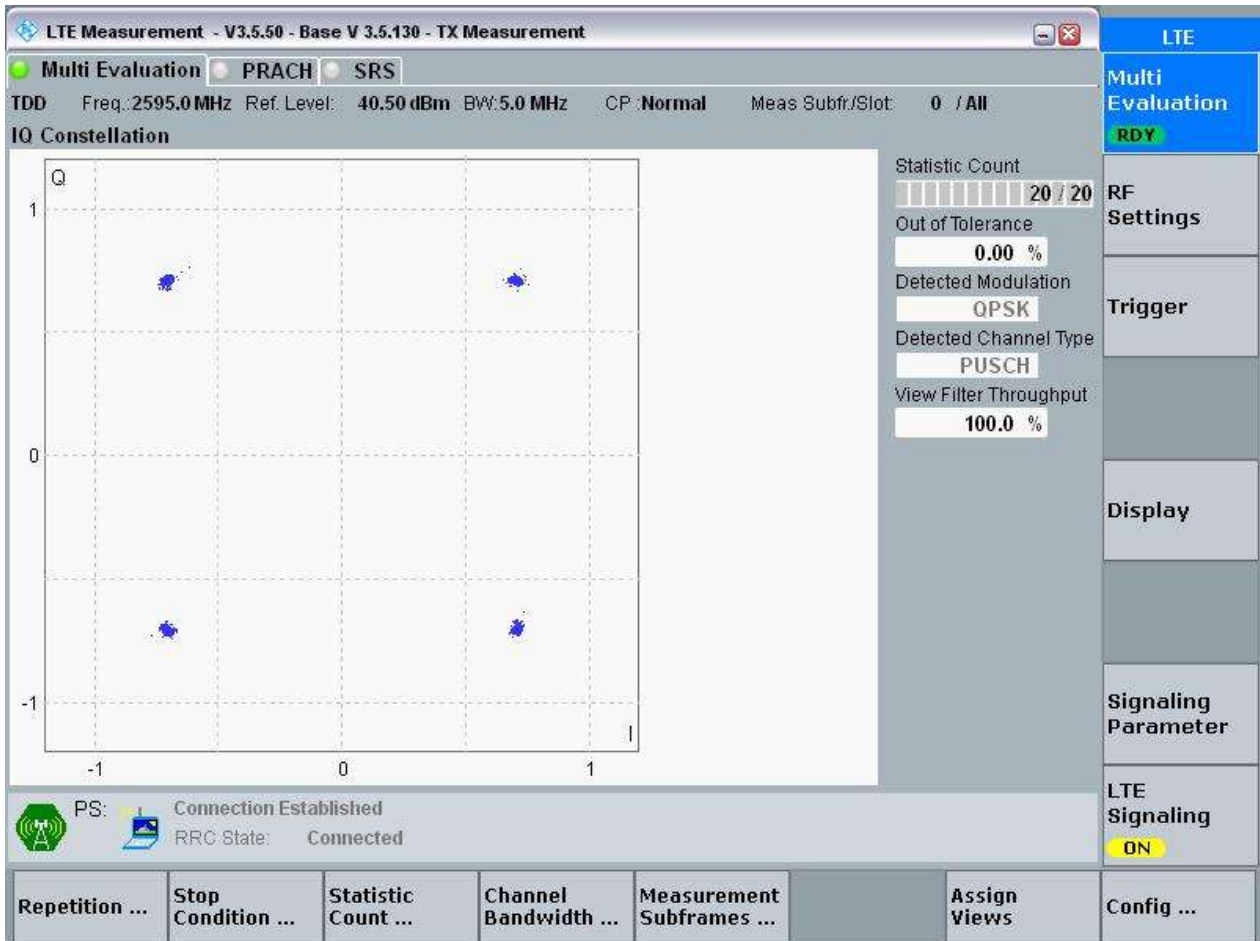
3.1.1 Test Band = BAND38

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 5

3.1.1.1.1.1 Test Channel = MCH

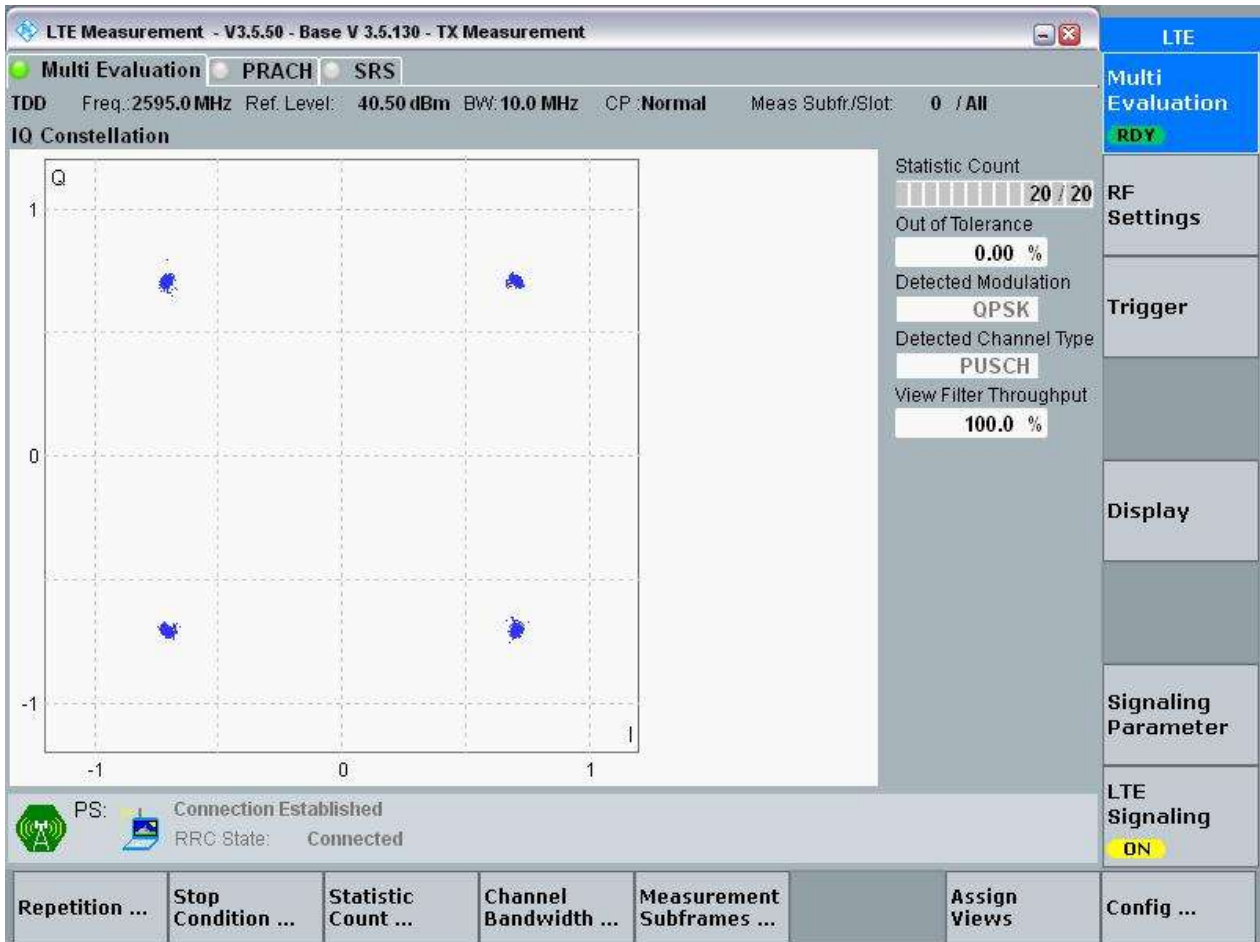
3.1.1.1.1.1.1 Test RB = RB25#0



3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

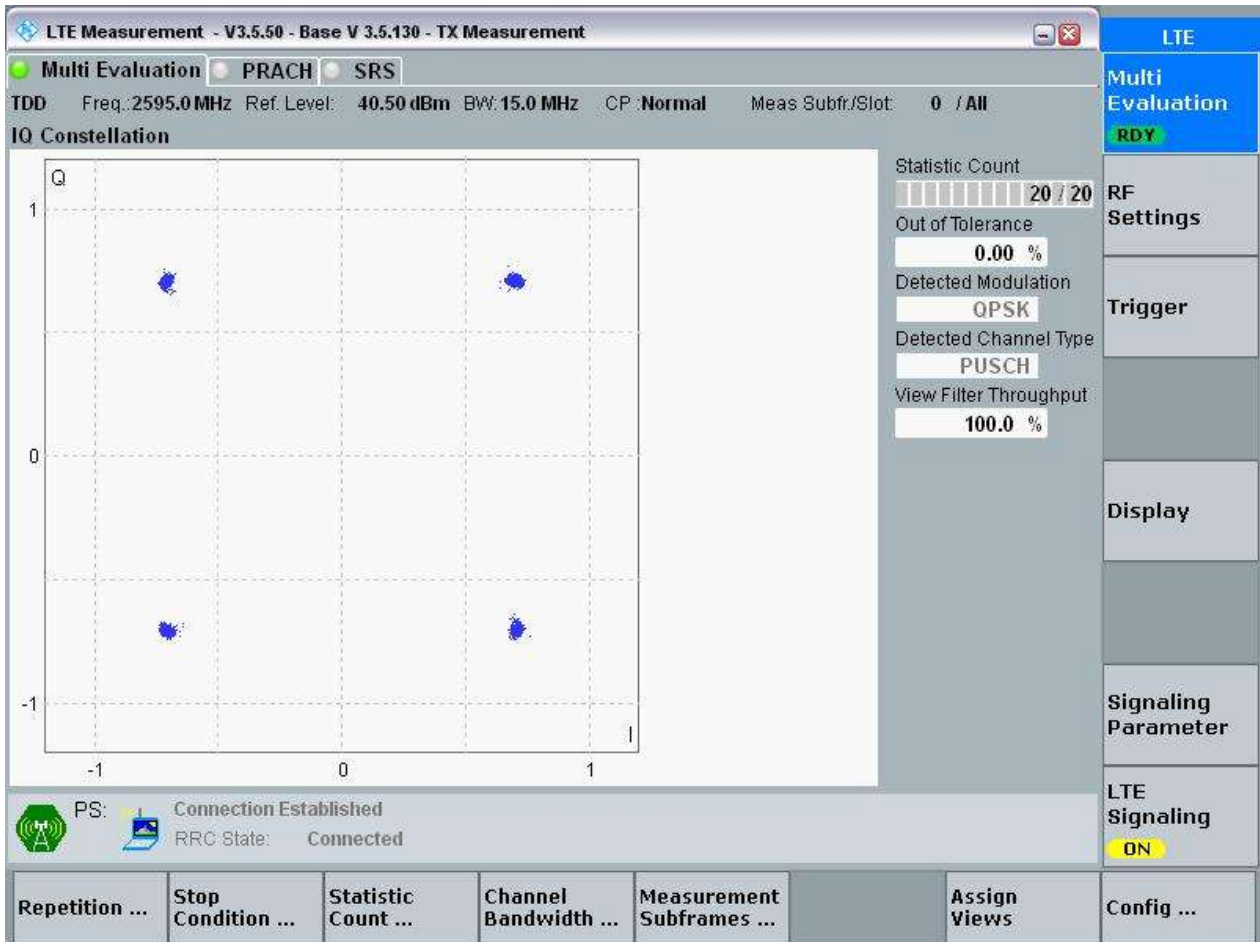
3.1.1.1.2.1.1 Test RB = RB50#0



3.1.1.1.3 Test Bandwidth = 15

3.1.1.1.3.1 Test Channel = MCH

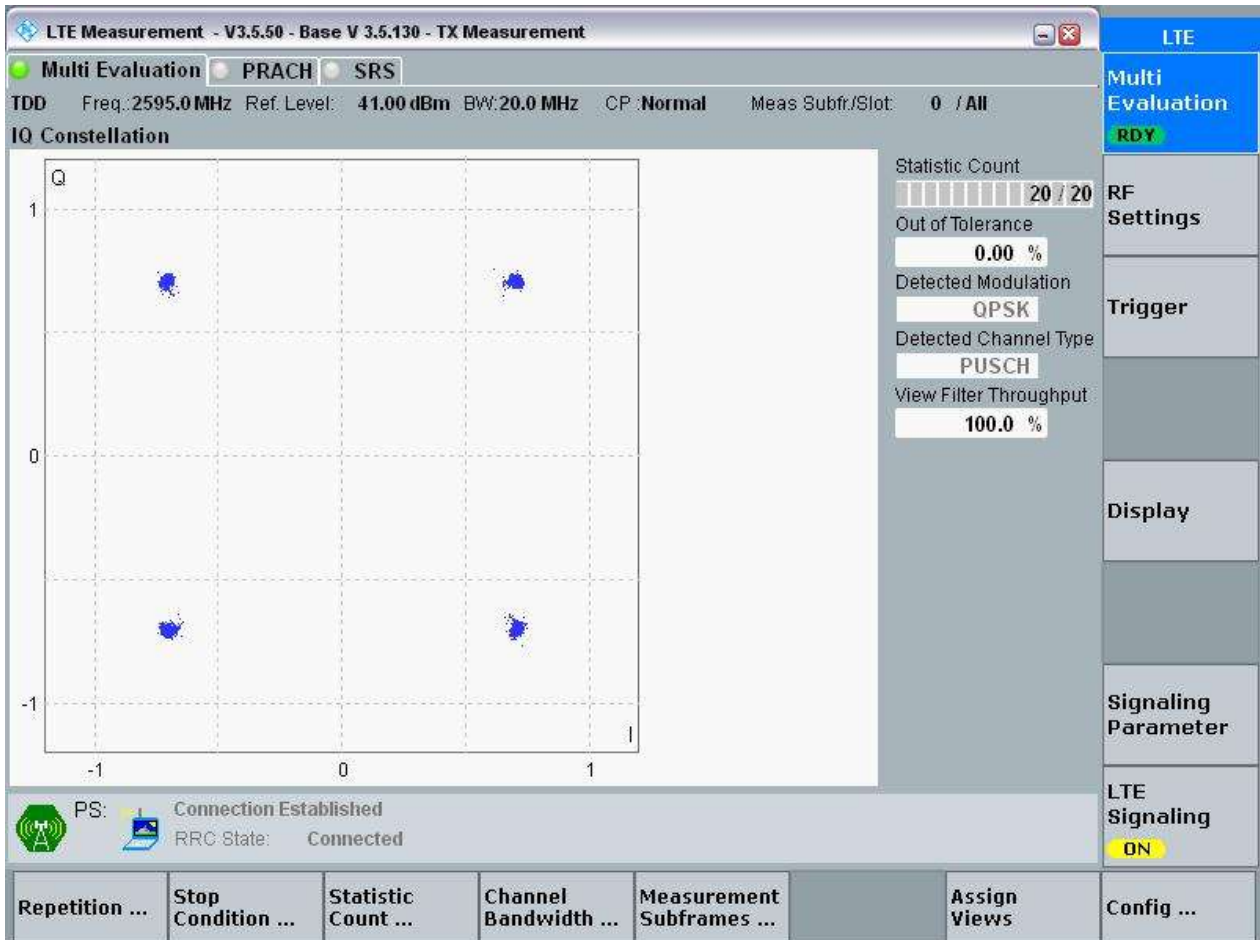
3.1.1.1.3.1.1 Test RB = RB75#0



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

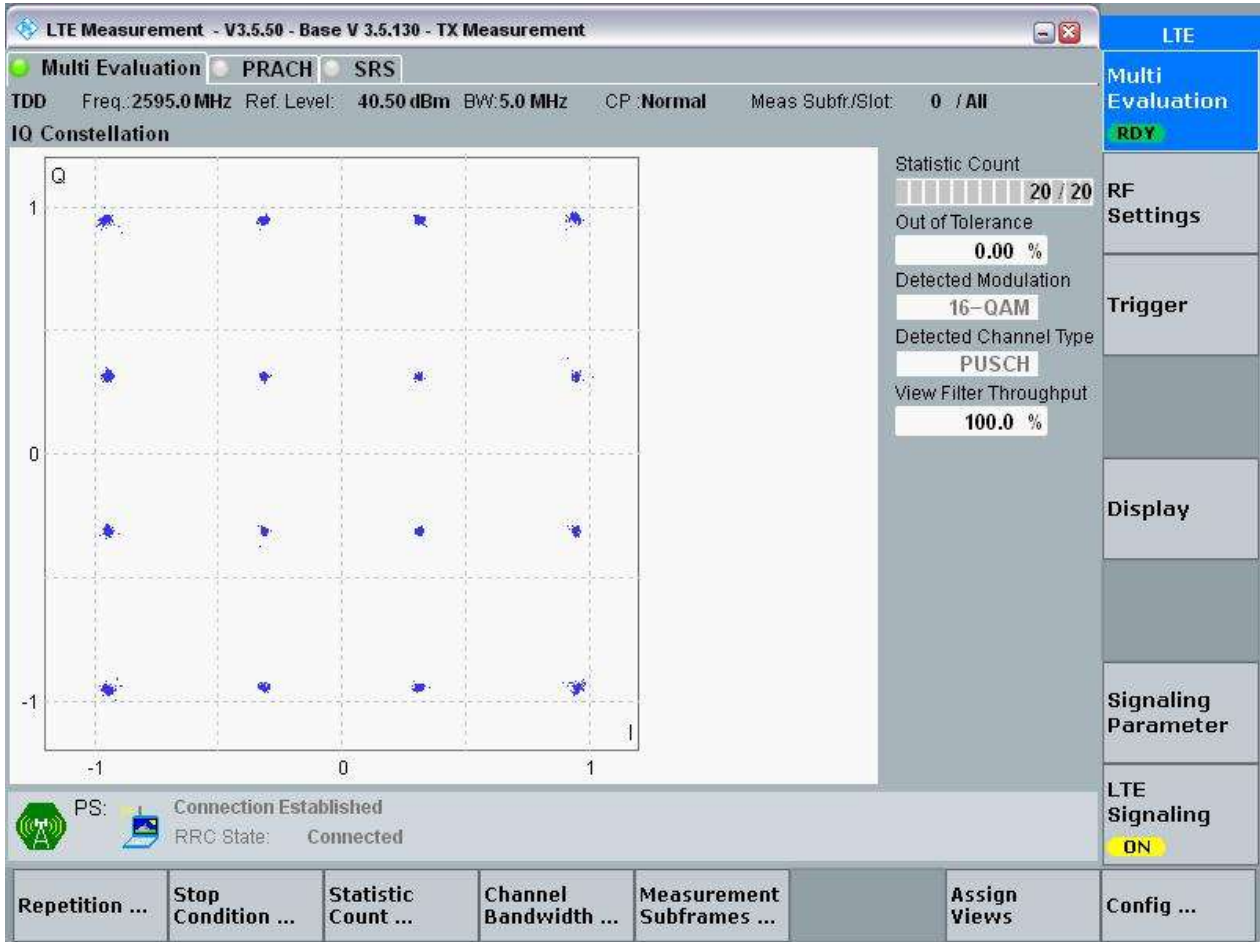


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

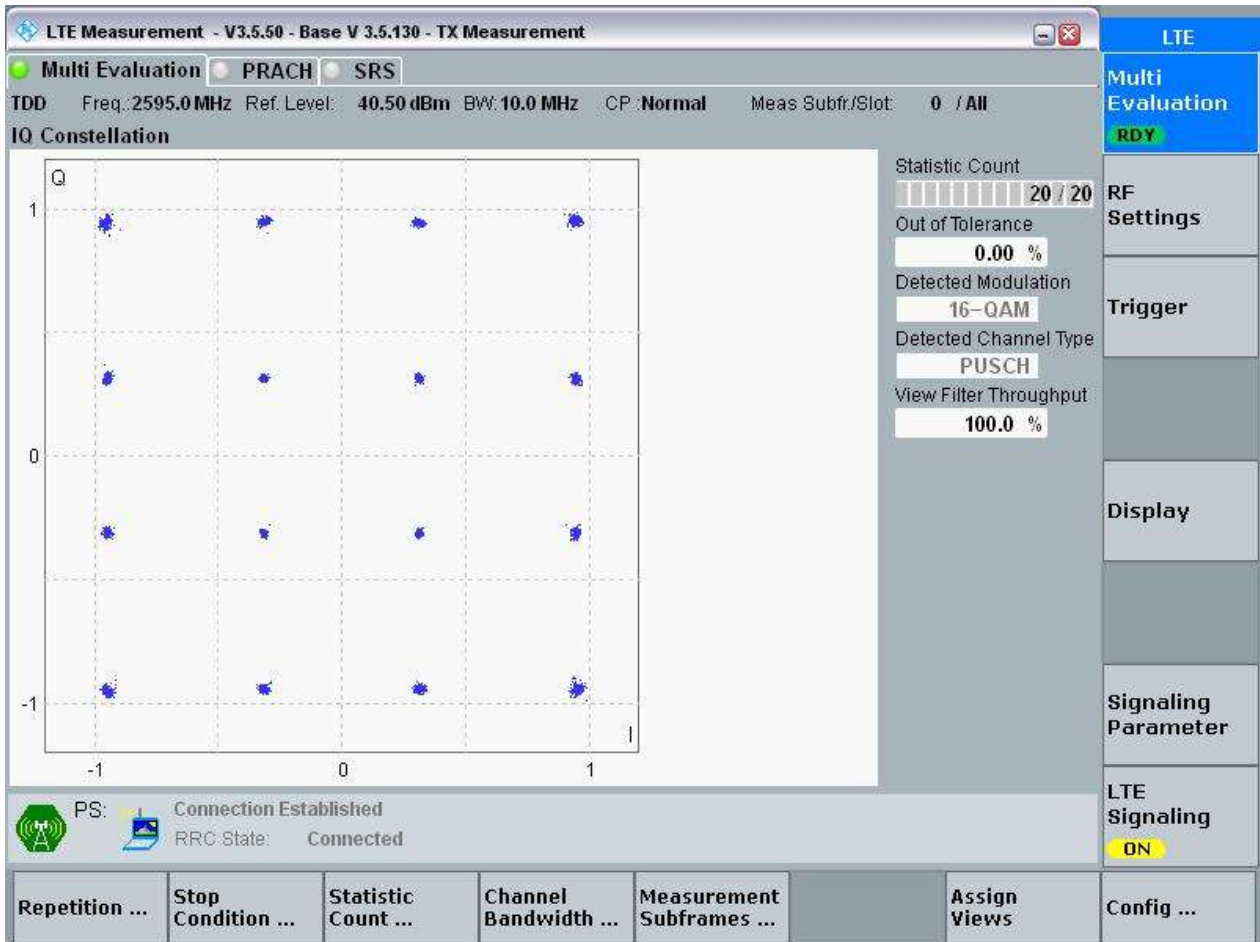
3.1.1.2.1.1.1 Test RB = RB25#0



3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

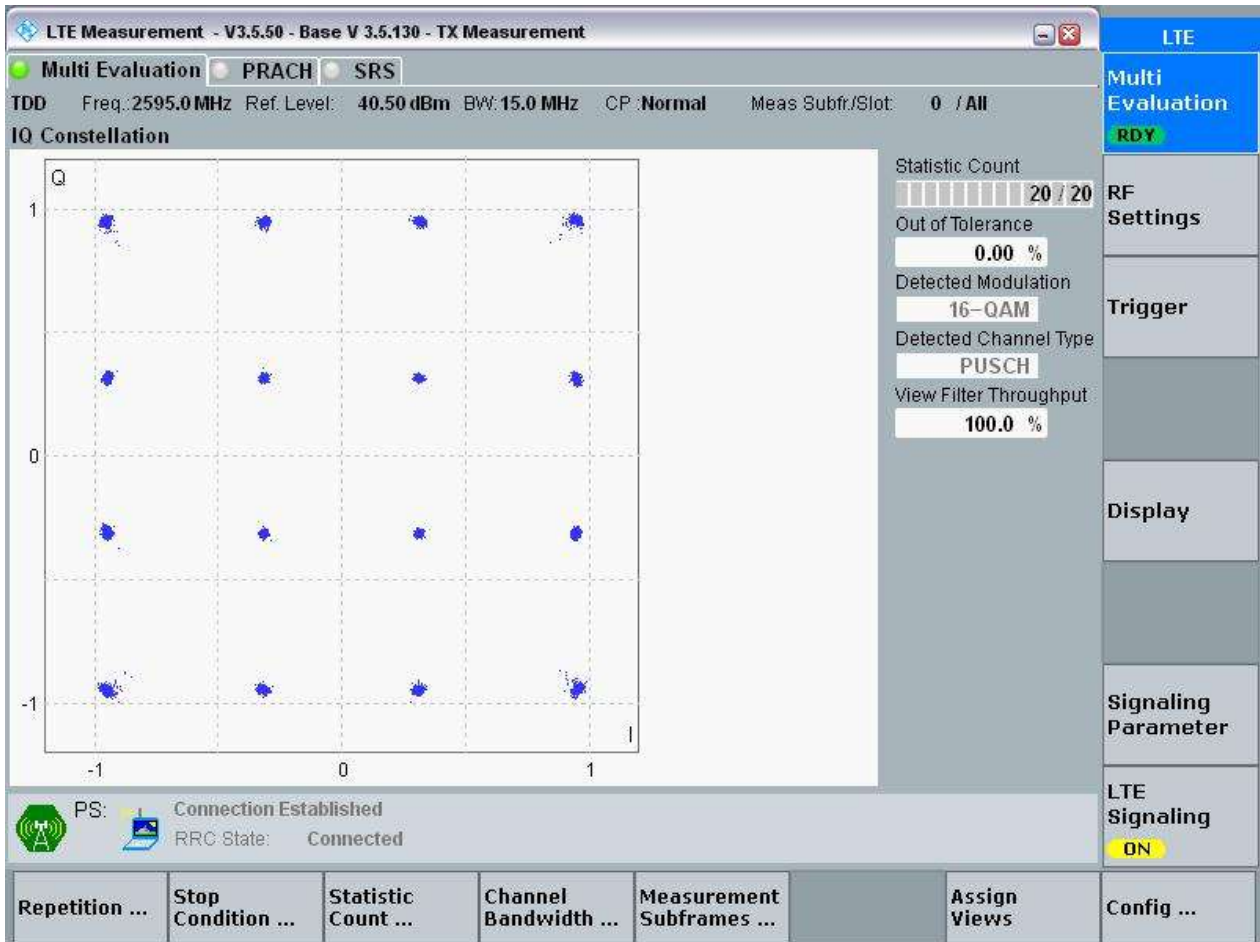
3.1.1.2.2.1.1 Test RB = RB50#0



3.1.1.2.3 Test Bandwidth = 15

3.1.1.2.3.1 Test Channel = MCH

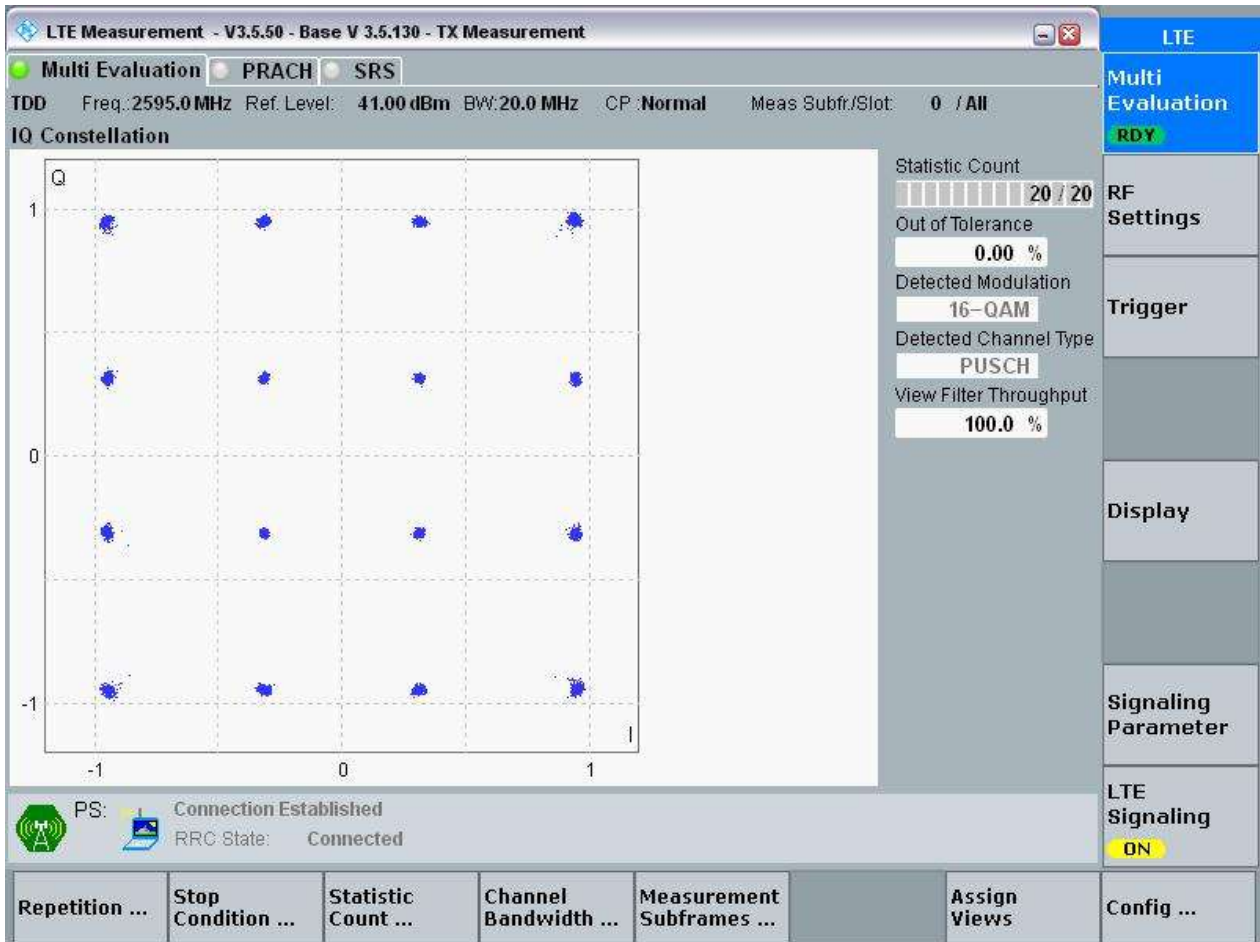
3.1.1.2.3.1.1 Test RB = RB75#0



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 |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| BAND38 | LTE/TM1 | 5 | LCH | RB25#0 | 4.53 | 5.00 | Pass |
| | | | MCH | RB25#0 | 4.51 | 4.98 | Pass |
| | | | HCH | RB25#0 | 4.51 | 4.96 | Pass |
| | | 10 | LCH | RB50#0 | 9.00 | 9.90 | Pass |
| | | | MCH | RB50#0 | 8.98 | 9.89 | Pass |
| | | | HCH | RB50#0 | 8.99 | 9.91 | Pass |
| | | 15 | LCH | RB75#0 | 13.49 | 15.05 | Pass |
| | | | MCH | RB75#0 | 13.49 | 14.89 | Pass |
| | | | HCH | RB75#0 | 13.47 | 15.15 | Pass |
| | | 20 | LCH | RB100#0 | 17.98 | 19.69 | Pass |
| | | | MCH | RB100#0 | 18.01 | 19.96 | Pass |
| | | | HCH | RB100#0 | 17.96 | 19.68 | Pass |
| | LTE/TM2 | 5 | LCH | RB25#0 | 4.52 | 5.13 | Pass |
| | | | MCH | RB25#0 | 4.49 | 4.98 | Pass |
| | | | HCH | RB25#0 | 4.51 | 5.00 | Pass |
| | | 10 | LCH | RB50#0 | 9.00 | 10.06 | Pass |
| | | | MCH | RB50#0 | 8.98 | 9.91 | Pass |
| | | | HCH | RB50#0 | 9.01 | 9.88 | Pass |
| | | 15 | LCH | RB75#0 | 13.51 | 15.40 | Pass |
| | | | MCH | RB75#0 | 13.55 | 15.02 | Pass |
| | | | HCH | RB75#0 | 13.47 | 14.99 | Pass |
| | | 20 | LCH | RB100#0 | 17.96 | 19.72 | Pass |
| | | | MCH | RB100#0 | 17.98 | 19.79 | Pass |
| | | | HCH | RB100#0 | 18.05 | 19.80 | Pass |

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = BAND38

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

4.1.1.1.1.1 Test Channel = LCH

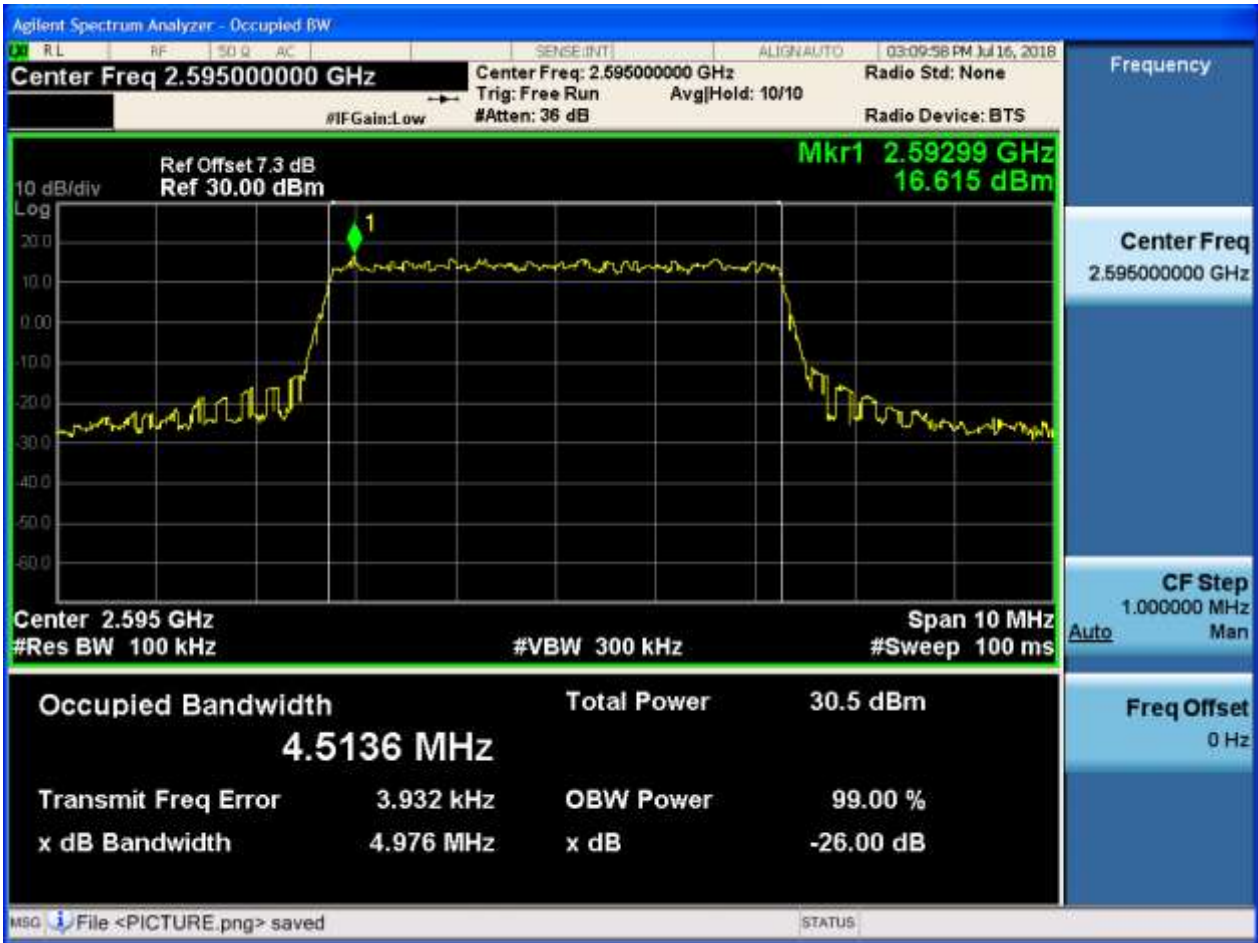
4.1.1.1.1.1.1 Test RB = RB25#0





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

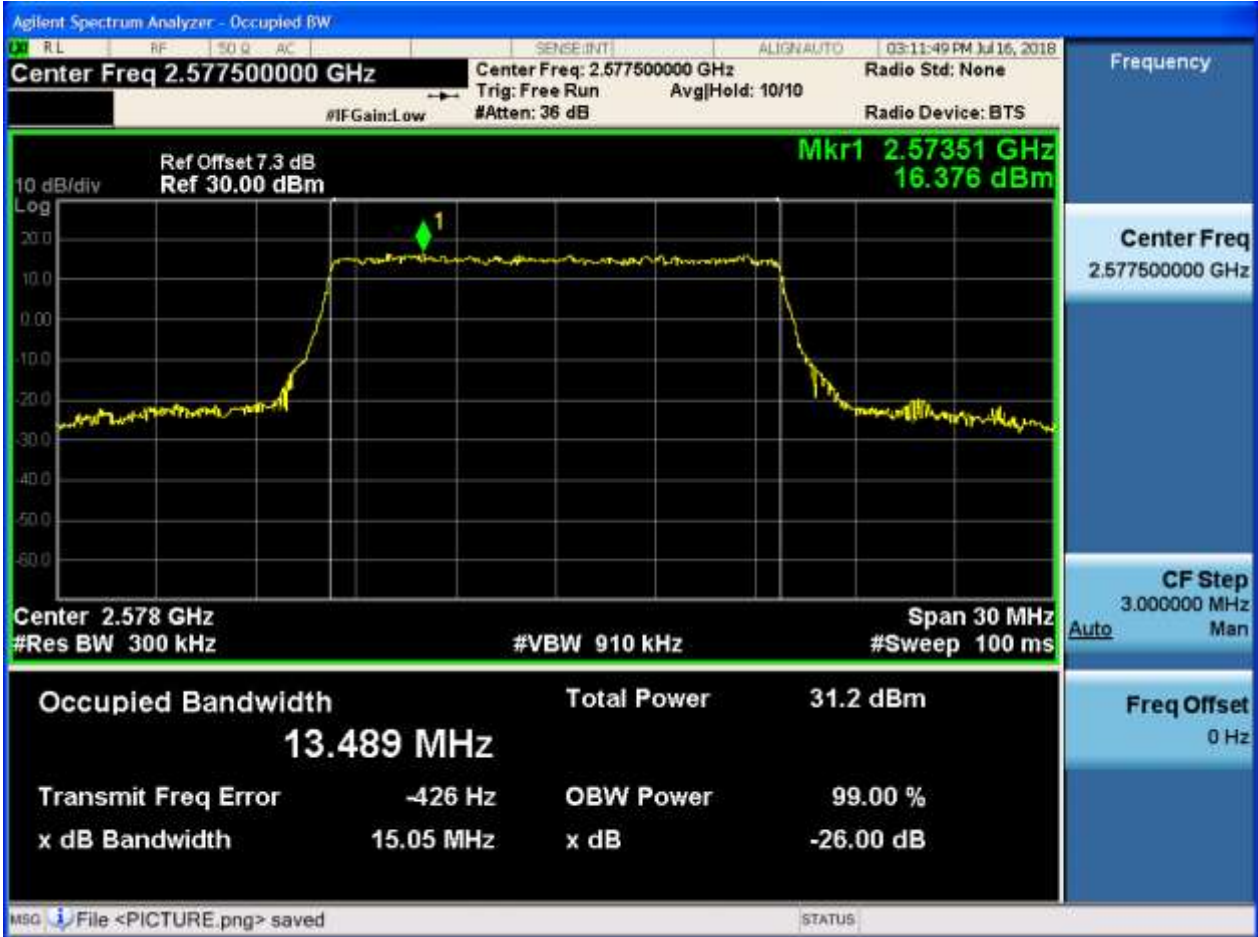
4.1.1.1.2.3.1 Test RB = RB50#0



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 = BAND38

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





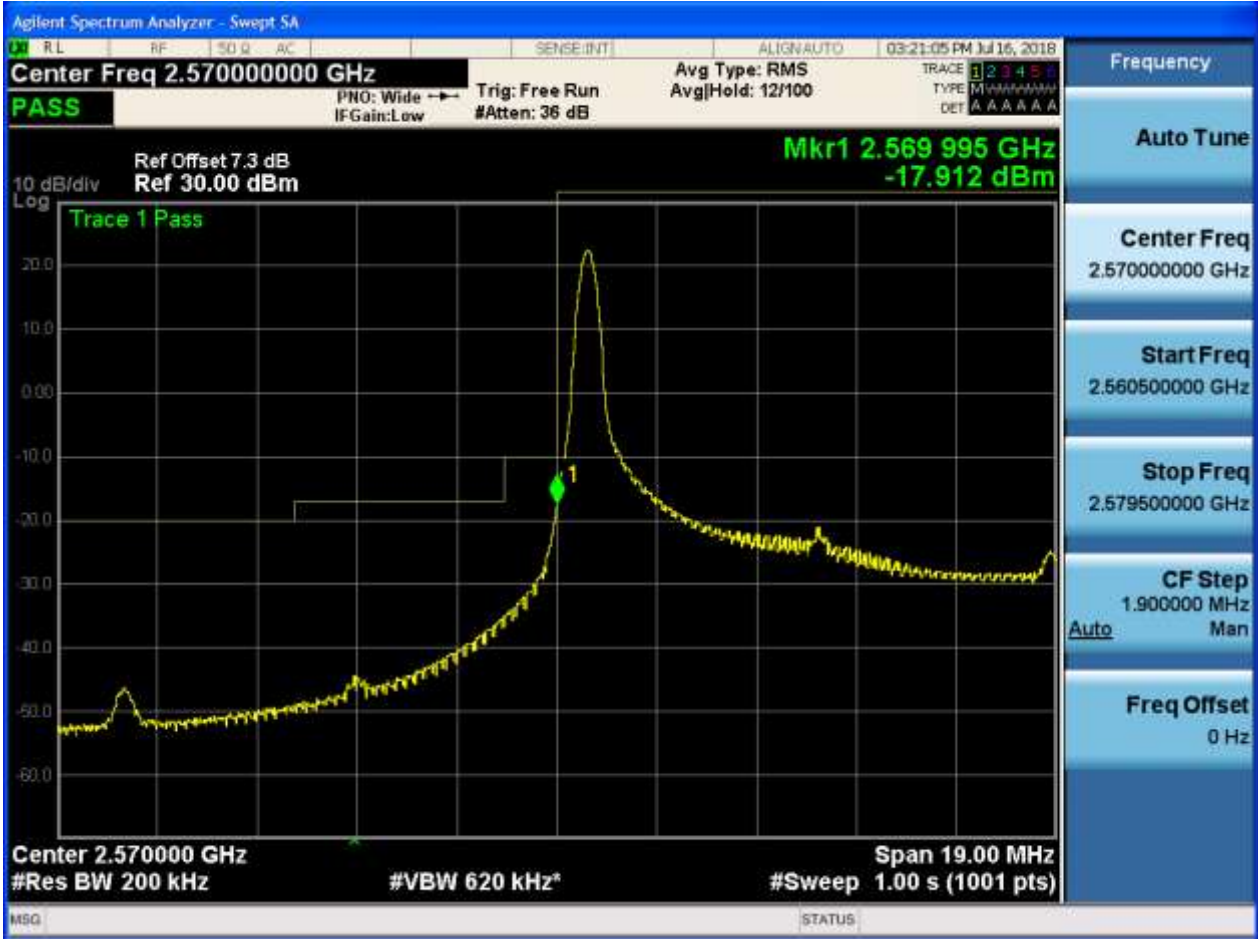
5.1.1.1.1.2.4 Test RB = RB25#0



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

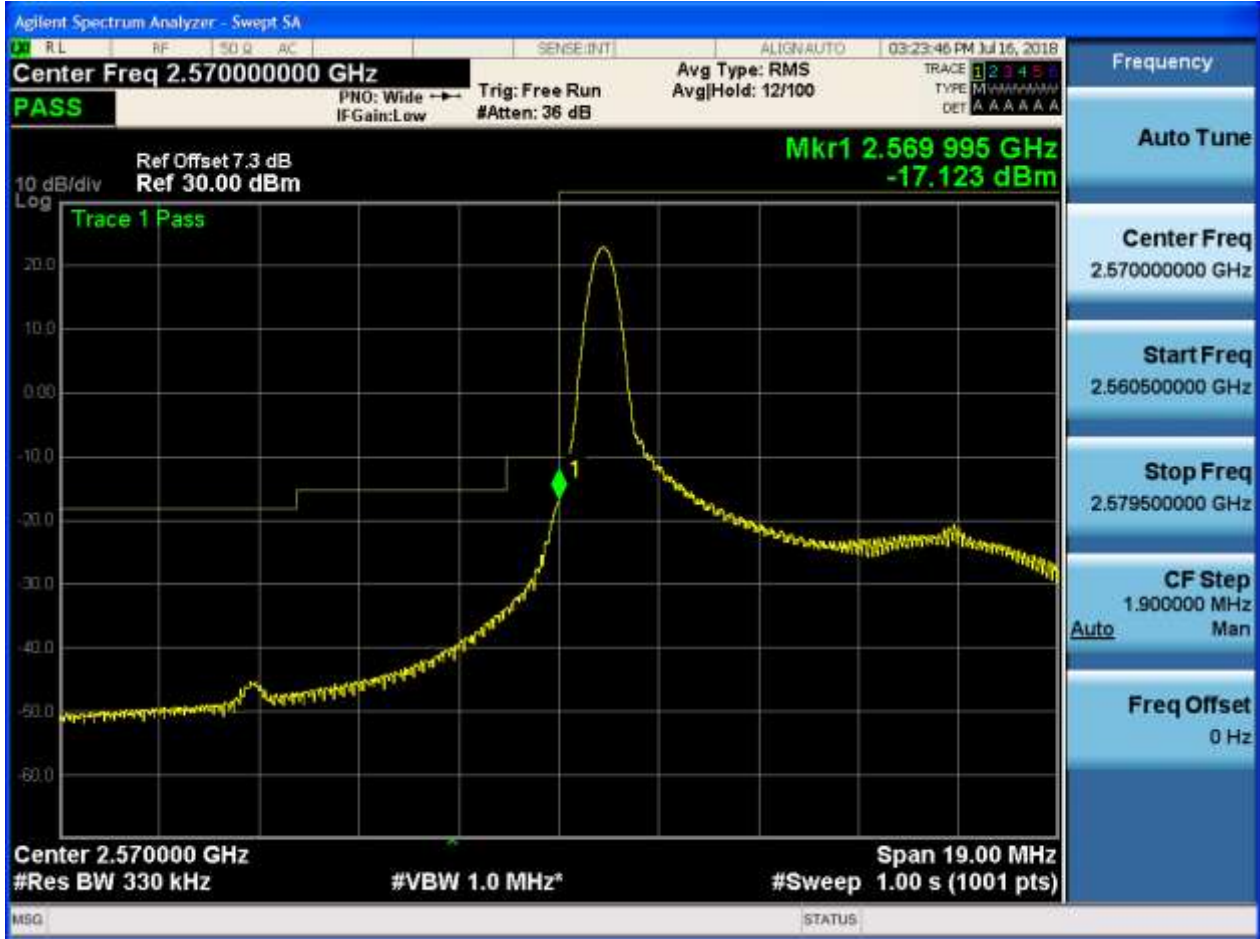




5.1.1.1.3 Test Bandwidth = 15

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





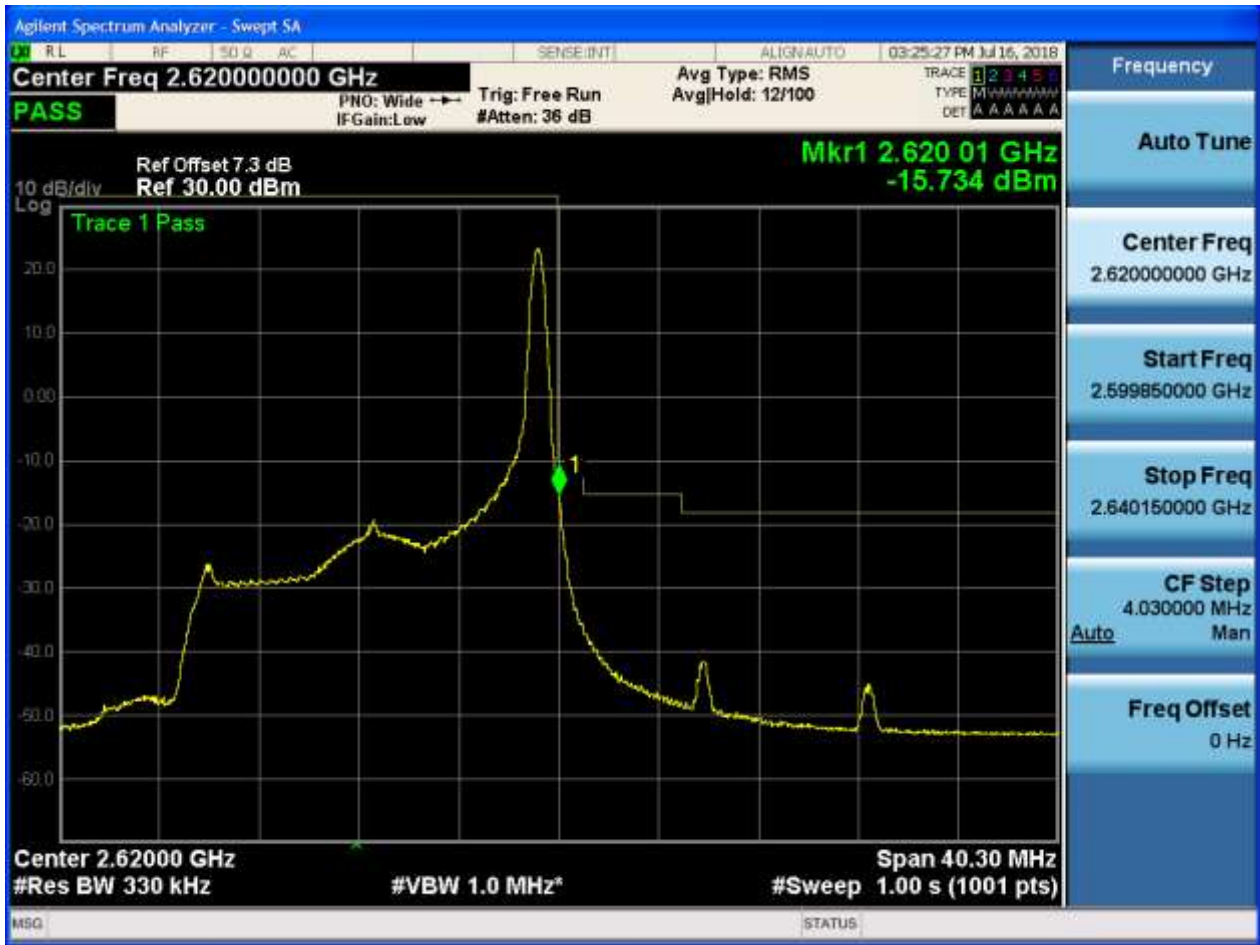
5.1.1.1.3.2 Test Channel = HCH

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

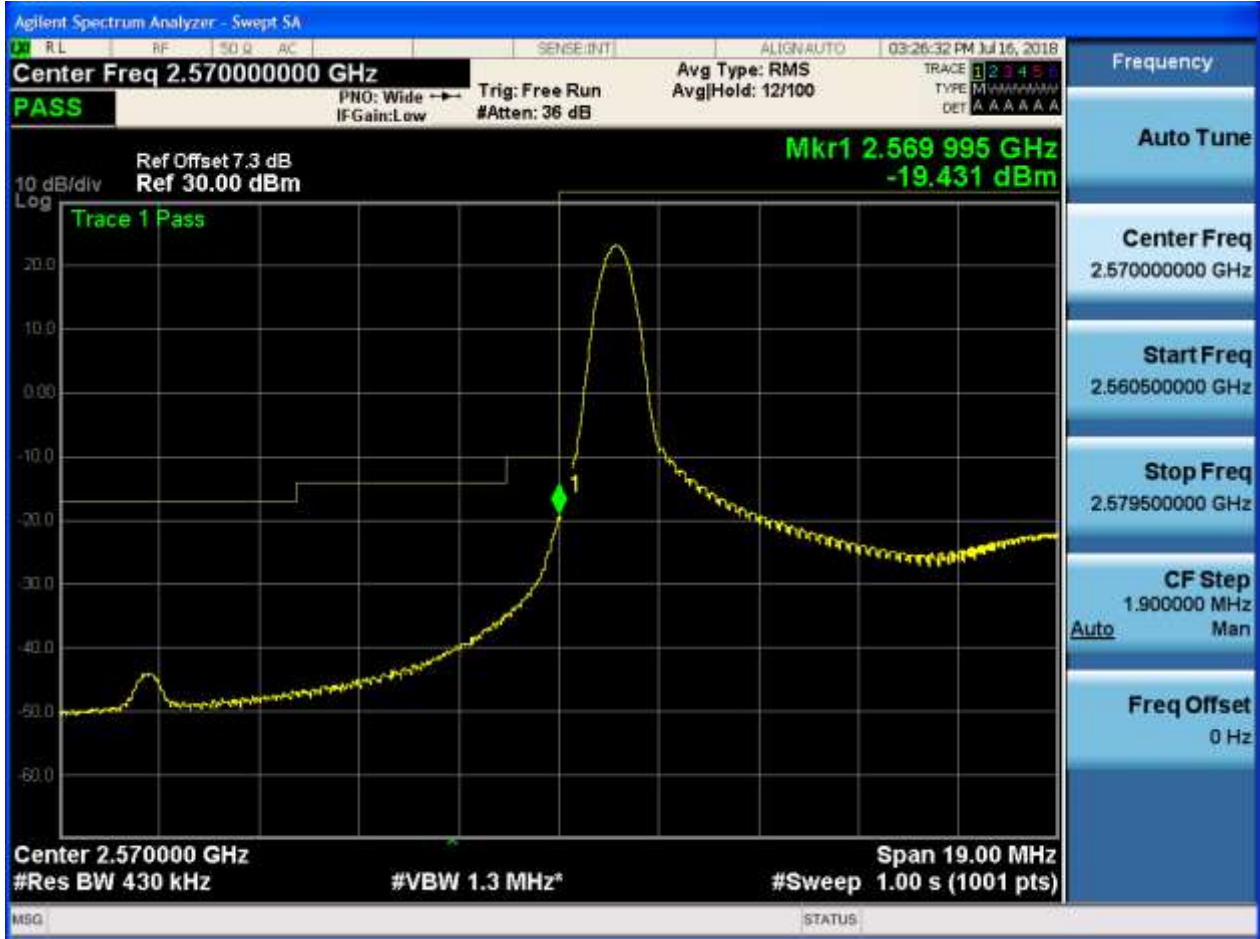




5.1.1.1.4 Test Bandwidth = 20

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



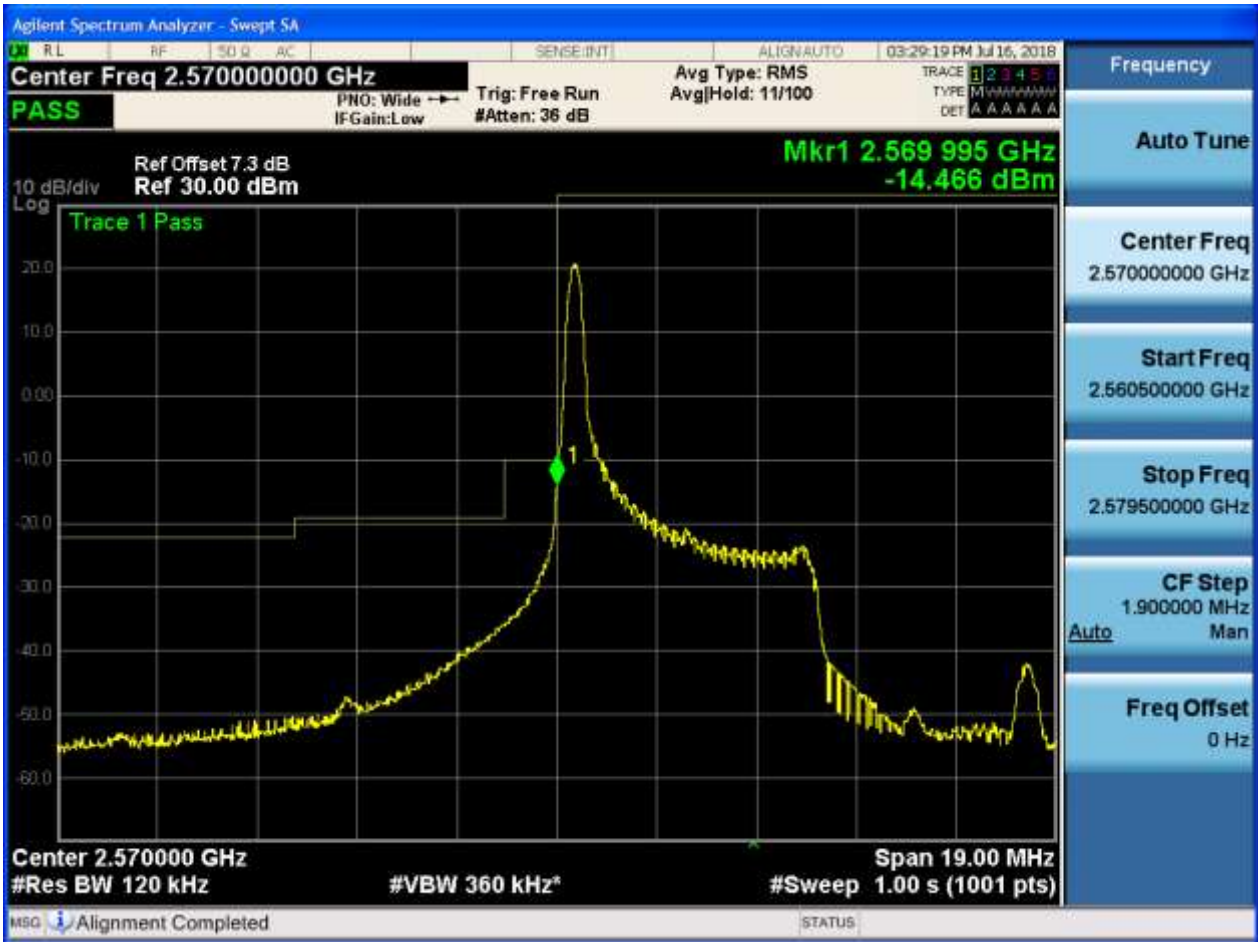


5.1.1.2 Test Mode = LTE/TM2

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



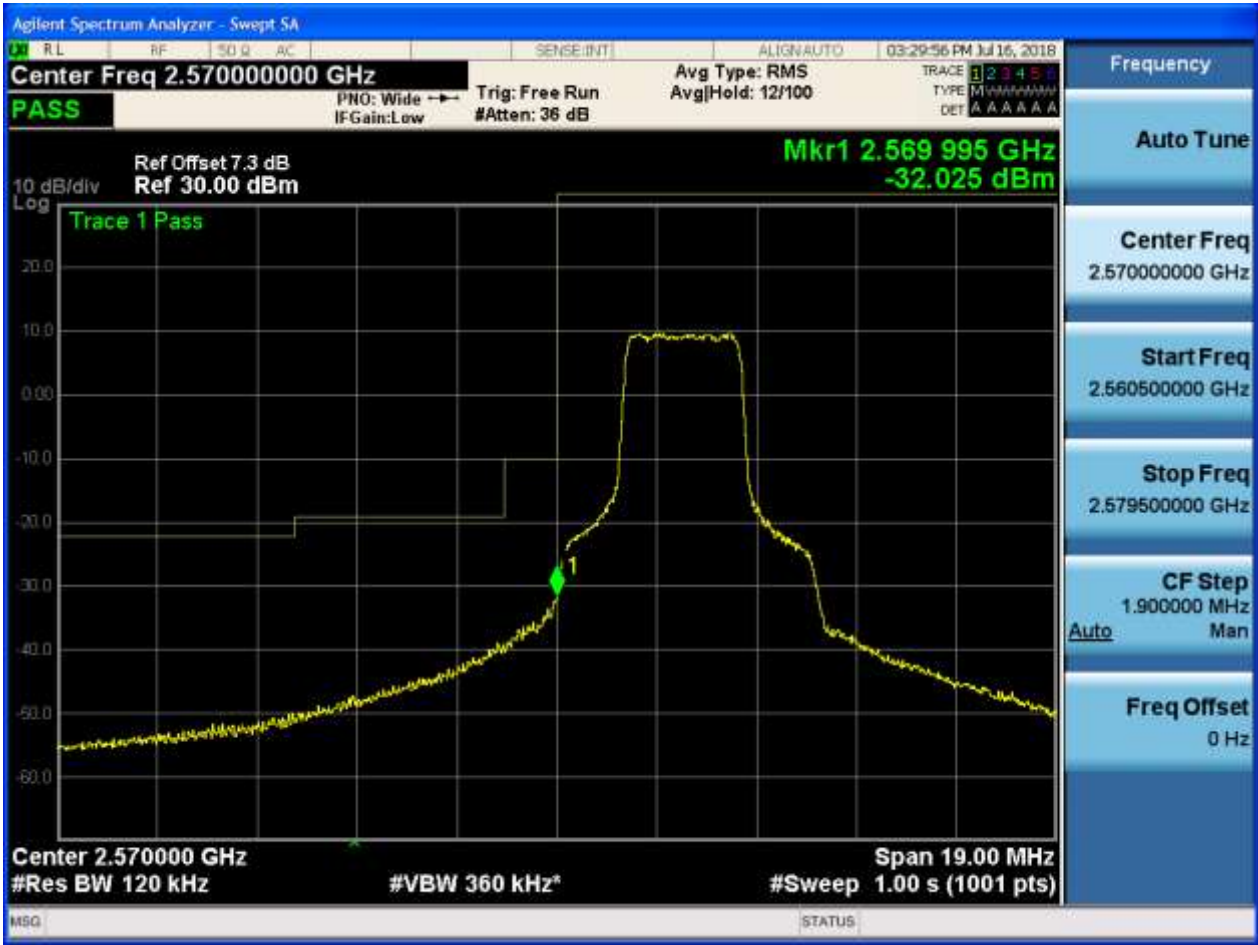


2.1.1.2.1.1.2 Test RB = RB1#24



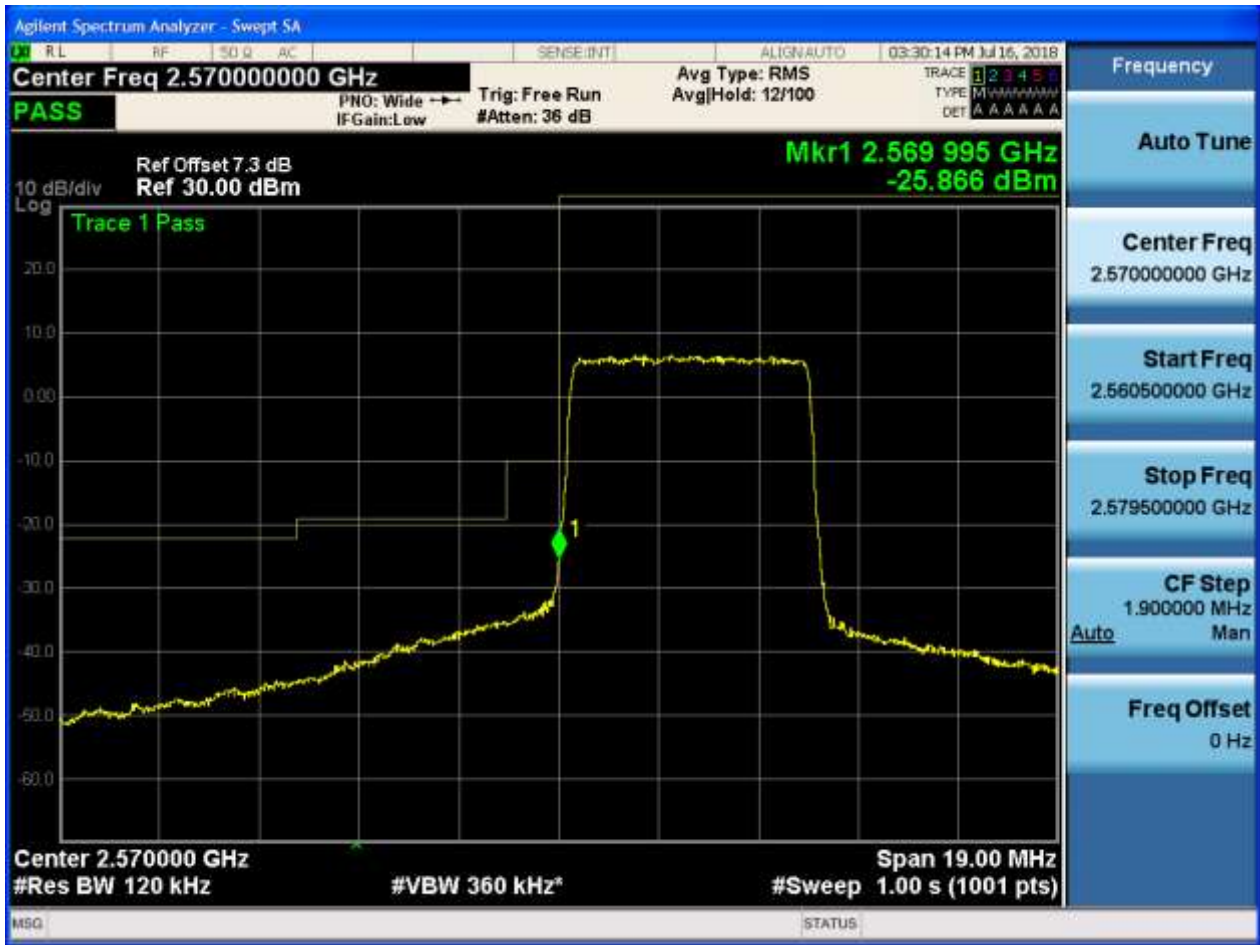


2.1.1.2.1.1.3 Test RB = RB12#6





5.1.1.2.1.1.4 Test RB = RB25#0





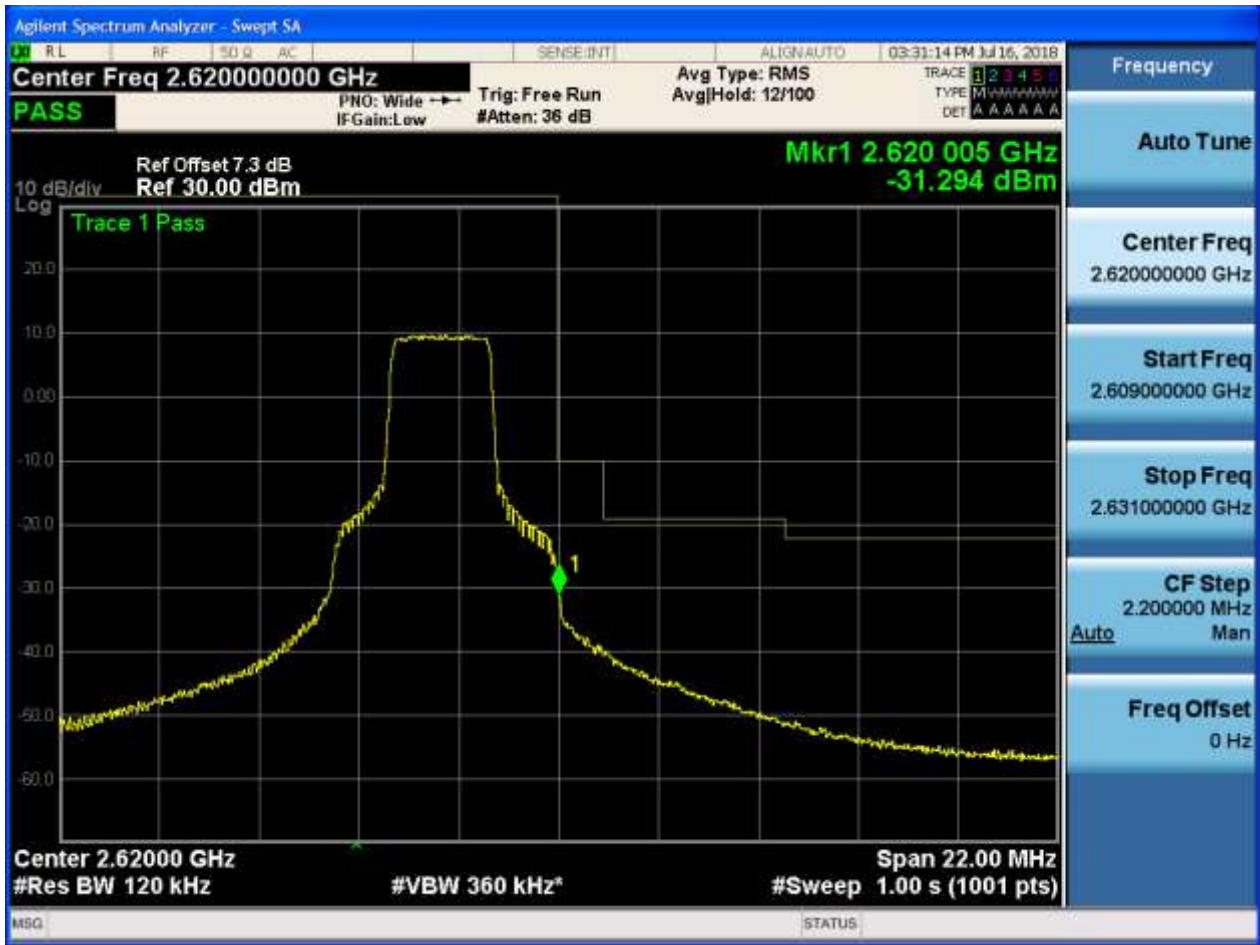
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.3 Test RB = RB12#6





5.1.1.2.1.2.4 Test RB = RB25#0

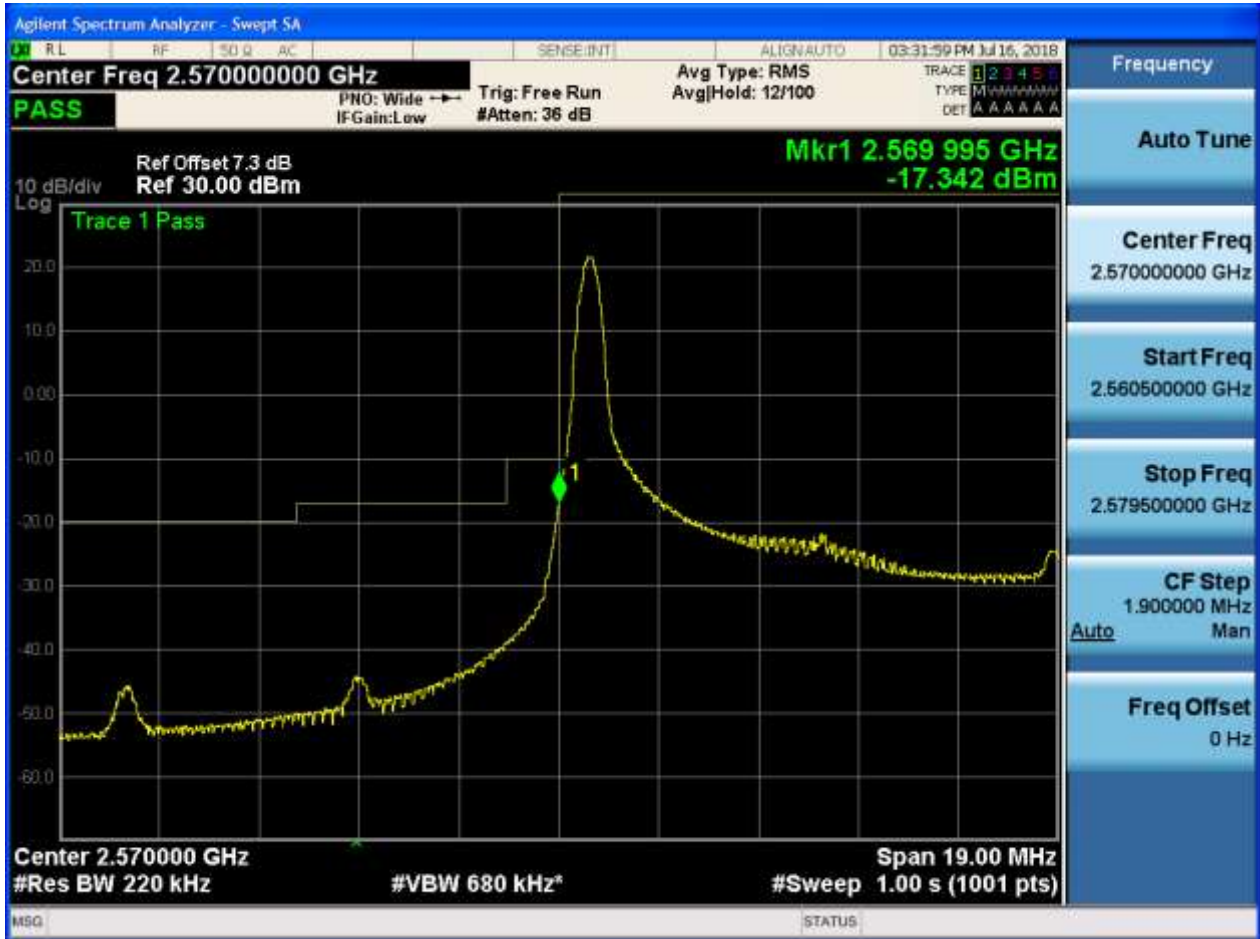




5.1.1.2.2 Test Bandwidth = 10

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



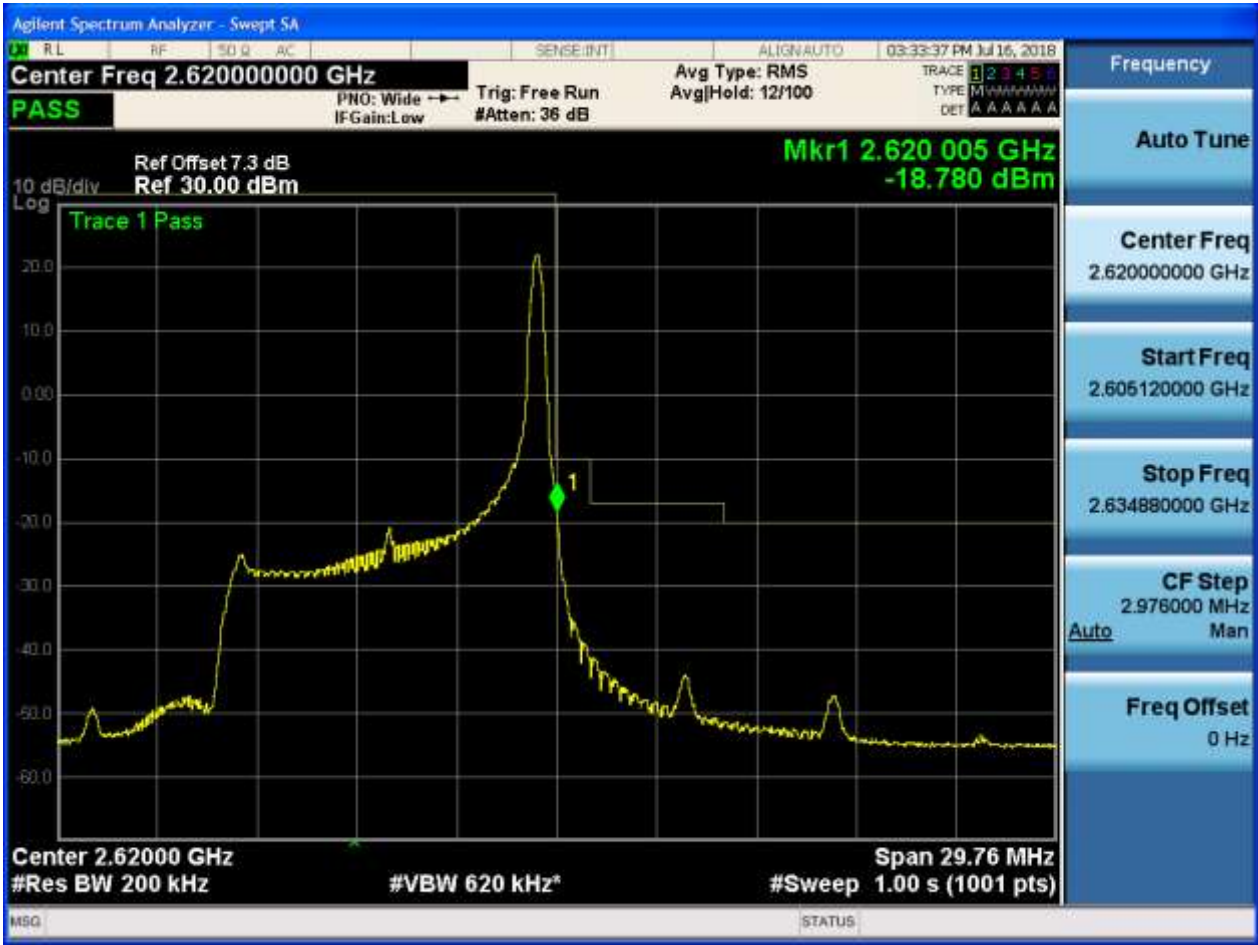
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 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

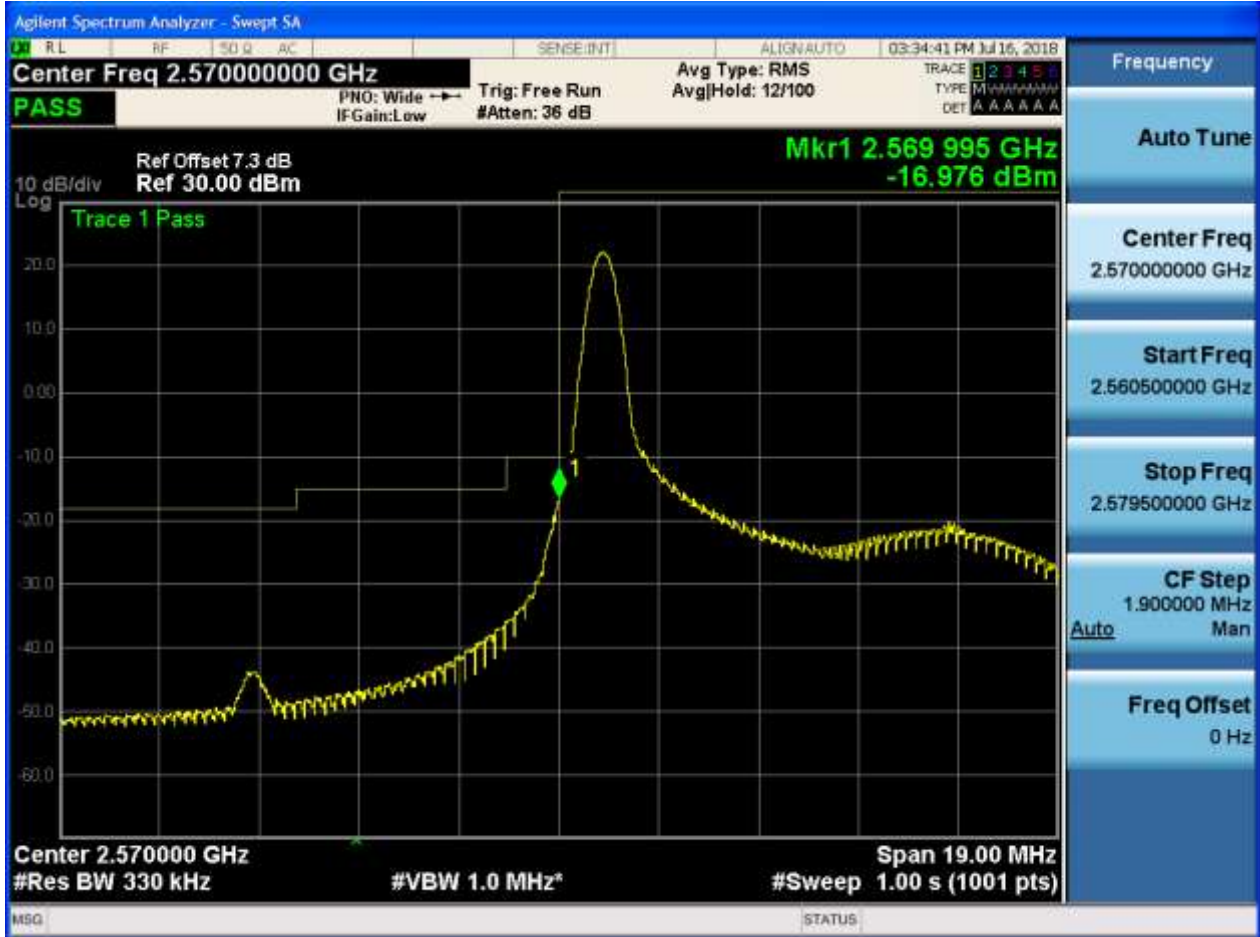




5.1.1.2.3 Test Bandwidth = 15

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

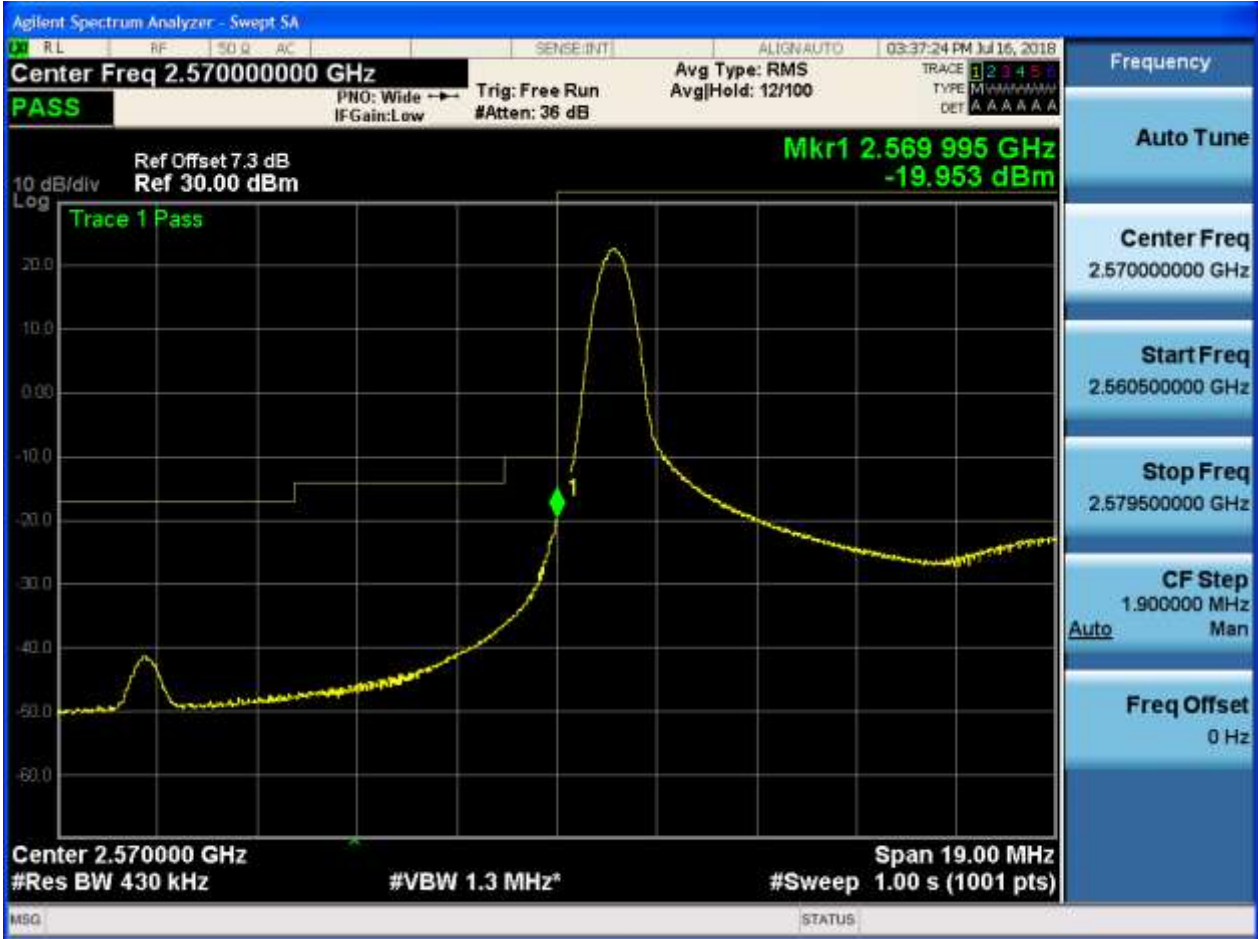




5.1.1.2.4 Test Bandwidth = 20

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

