# 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 | 23.55 | 23.75 | 33 | PASS |
| | | | | RB1#13 | 23.67 | 23.87 | 33 | PASS |
| | | | | RB1#24 | 23.49 | 23.69 | 33 | PASS |
| | | | | RB12#0 | 22.72 | 22.92 | 33 | PASS |
| | | | | RB12#6 | 22.75 | 22.95 | 33 | PASS |
| | | | | RB12#13 | 22.61 | 22.81 | 33 | PASS |
| | | | | RB25#0 | 22.67 | 22.87 | 33 | PASS |
| | | | MCH | RB1#0 | 23.61 | 23.81 | 33 | PASS |
| | | | | RB1#13 | 23.58 | 23.78 | 33 | PASS |
| | | | | RB1#24 | 23.58 | 23.78 | 33 | PASS |
| | | | | RB12#0 | 22.72 | 22.92 | 33 | PASS |
| | | | | RB12#6 | 22.8 | 23 | 33 | PASS |
| | | | | RB12#13 | 22.76 | 22.96 | 33 | PASS |
| | | | | RB25#0 | 22.77 | 22.97 | 33 | PASS |
| | | | HCH | RB1#0 | 23.48 | 23.68 | 33 | PASS |
| | | | | RB1#13 | 23.57 | 23.77 | 33 | PASS |
| | | | | RB1#24 | 23.23 | 23.43 | 33 | PASS |
| | | | | RB12#0 | 22.77 | 22.97 | 33 | PASS |
| | | | | RB12#6 | 22.83 | 23.03 | 33 | PASS |
| | | | | RB12#13 | 22.8 | 23 | 33 | PASS |
| | | | | RB25#0 | 22.89 | 23.09 | 33 | PASS |
| | | 10 | LCH | RB1#0 | 23.85 | 24.05 | 33 | PASS |
| | | | | RB1#25 | 23.99 | 24.19 | 33 | PASS |
| | | | | RB1#49 | 23.7 | 23.9 | 33 | PASS |
| | | | | RB25#0 | 22.83 | 23.03 | 33 | PASS |
| | | | | RB25#13 | 22.68 | 22.88 | 33 | PASS |
| | | | | RB25#25 | 22.65 | 22.85 | 33 | PASS |
| | | | | RB50#0 | 22.74 | 22.94 | 33 | PASS |
| | | | MCH | RB1#0 | 23.71 | 23.91 | 33 | PASS |
| | | | | RB1#25 | 23.79 | 23.99 | 33 | PASS |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | RB1#49 | 23.65 | 23.85 | 33 | PASS |
| | | | | RB25#0 | 22.88 | 23.08 | 33 | PASS |
| | | | | RB25#13 | 22.85 | 23.05 | 33 | PASS |
| | | | | RB25#25 | 22.78 | 22.98 | 33 | PASS |
| | | | | RB50#0 | 22.92 | 23.12 | 33 | PASS |
| | | | HCH | RB1#0 | 23.68 | 23.88 | 33 | PASS |
| | | | | RB1#25 | 23.94 | 24.14 | 33 | PASS |
| | | | | RB1#49 | 23.44 | 23.64 | 33 | PASS |
| | | | | RB25#0 | 22.94 | 23.14 | 33 | PASS |
| | | | | RB25#13 | 22.91 | 23.11 | 33 | PASS |
| | | | | RB25#25 | 22.87 | 23.07 | 33 | PASS |
| | | | | RB50#0 | 22.91 | 23.11 | 33 | PASS |
| | | 15 | LCH | RB1#0 | 23.67 | 23.87 | 33 | PASS |
| | | | | RB1#38 | 23.85 | 24.05 | 33 | PASS |
| | | | | RB1#74 | 23.61 | 23.81 | 33 | PASS |
| | | | | RB36#0 | 22.73 | 22.93 | 33 | PASS |
| | | | | RB36#18 | 22.67 | 22.87 | 33 | PASS |
| | | | | RB36#39 | 22.75 | 22.95 | 33 | PASS |
| | | | | RB75#0 | 22.67 | 22.87 | 33 | PASS |
| | | | MCH | RB1#0 | 23.58 | 23.78 | 33 | PASS |
| | | | | RB1#38 | 23.63 | 23.83 | 33 | PASS |
| | | | | RB1#74 | 23.69 | 23.89 | 33 | PASS |
| | | | | RB36#0 | 22.88 | 23.08 | 33 | PASS |
| | | | | RB36#18 | 22.87 | 23.07 | 33 | PASS |
| | | | | RB36#39 | 22.82 | 23.02 | 33 | PASS |
| | | | | RB75#0 | 22.88 | 23.08 | 33 | PASS |
| | | | HCH | RB1#0 | 23.6 | 23.8 | 33 | PASS |
| | | | | RB1#38 | 23.84 | 24.04 | 33 | PASS |
| | | | | RB1#74 | 23.33 | 23.53 | 33 | PASS |
| | | | | RB36#0 | 22.77 | 22.97 | 33 | PASS |
| | | | | RB36#18 | 22.87 | 23.07 | 33 | PASS |
| | | | | RB36#39 | 22.88 | 23.08 | 33 | PASS |
| | | | | RB75#0 | 22.71 | 22.91 | 33 | PASS |
| | | 20 | LCH | RB1#0 | 23.5 | 23.7 | 33 | PASS |
| | | | | RB1#50 | 23.67 | 23.87 | 33 | PASS |
| | | | | RB1#99 | 23.14 | 23.34 | 33 | PASS |
| | | | | RB50#0 | 22.71 | 22.91 | 33 | PASS |
| | | | | RB50#25 | 22.72 | 22.92 | 33 | PASS |
| | | | | RB50#50 | 22.59 | 22.79 | 33 | PASS |
| | | | | RB100#0 | 22.69 | 22.89 | 33 | PASS |
| | | | MCH | RB1#0 | 23.26 | 23.46 | 33 | PASS |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | RB1#50 | 23.84 | 24.04 | 33 | PASS |
| | | | | RB1#99 | 23.24 | 23.44 | 33 | PASS |
| | | | | RB50#0 | 22.94 | 23.14 | 33 | PASS |
| | | | | RB50#25 | 22.91 | 23.11 | 33 | PASS |
| | | | | RB50#50 | 22.88 | 23.08 | 33 | PASS |
| | | | | RB100#0 | 22.81 | 23.01 | 33 | PASS |
| | | | HCH | RB1#0 | 23.53 | 23.73 | 33 | PASS |
| | | | | RB1#50 | 24.03 | 24.23 | 33 | PASS |
| | | | | RB1#99 | 22.95 | 23.15 | 33 | PASS |
| | | | | RB50#0 | 22.76 | 22.96 | 33 | PASS |
| | | | | RB50#25 | 22.8 | 23 | 33 | PASS |
| | | | | RB50#50 | 22.85 | 23.05 | 33 | PASS |
| | | | | RB100#0 | 22.82 | 23.02 | 33 | PASS |
| | LTE/TM 2 | 5 | LCH | RB1#0 | 22.5 | 22.7 | 33 | PASS |
| | | | | RB1#13 | 22.33 | 22.53 | 33 | PASS |
| | | | | RB1#24 | 22.04 | 22.24 | 33 | PASS |
| | | | | RB12#0 | 21.49 | 21.69 | 33 | PASS |
| | | | | RB12#6 | 21.56 | 21.76 | 33 | PASS |
| | | | | RB12#13 | 21.42 | 21.62 | 33 | PASS |
| | | | | RB25#0 | 21.69 | 21.89 | 33 | PASS |
| | | | MCH | RB1#0 | 22.27 | 22.47 | 33 | PASS |
| | | | | RB1#13 | 22.25 | 22.45 | 33 | PASS |
| | | | | RB1#24 | 22.03 | 22.23 | 33 | PASS |
| | | | | RB12#0 | 21.64 | 21.84 | 33 | PASS |
| | | | | RB12#6 | 21.73 | 21.93 | 33 | PASS |
| | | | | RB12#13 | 21.69 | 21.89 | 33 | PASS |
| | | | | RB25#0 | 21.96 | 22.16 | 33 | PASS |
| | | | HCH | RB1#0 | 22.76 | 22.96 | 33 | PASS |
| | | | | RB1#13 | 22.81 | 23.01 | 33 | PASS |
| | | | | RB1#24 | 22.43 | 22.63 | 33 | PASS |
| | | | | RB12#0 | 21.79 | 21.99 | 33 | PASS |
| | | | | RB12#6 | 21.93 | 22.13 | 33 | PASS |
| | | | | RB12#13 | 21.79 | 21.99 | 33 | PASS |
| | | | | RB25#0 | 21.76 | 21.96 | 33 | PASS |
| | | 10 | LCH | RB1#0 | 22.71 | 22.91 | 33 | PASS |
| | | | | RB1#25 | 22.83 | 23.03 | 33 | PASS |
| | | | | RB1#49 | 22.49 | 22.69 | 33 | PASS |
| | | | | RB25#0 | 21.77 | 21.97 | 33 | PASS |
| | | | | RB25#13 | 21.73 | 21.93 | 33 | PASS |
| | | | | RB25#25 | 21.47 | 21.67 | 33 | PASS |
| | | | | RB50#0 | 21.63 | 21.83 | 33 | PASS |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | MCH | RB1#0 | 22.55 | 22.75 | 33 | PASS |
| | | | | RB1#25 | 23.17 | 23.37 | 33 | PASS |
| | | | | RB1#49 | 22.62 | 22.82 | 33 | PASS |
| | | | | RB25#0 | 21.97 | 22.17 | 33 | PASS |
| | | | | RB25#13 | 21.91 | 22.11 | 33 | PASS |
| | | | | RB25#25 | 21.78 | 21.98 | 33 | PASS |
| | | | | RB50#0 | 21.81 | 22.01 | 33 | PASS |
| | | | HCH | RB1#0 | 22.62 | 22.82 | 33 | PASS |
| | | | | RB1#25 | 22.92 | 23.12 | 33 | PASS |
| | | | | RB1#49 | 22.35 | 22.55 | 33 | PASS |
| | | | | RB25#0 | 22.12 | 22.32 | 33 | PASS |
| | | | | RB25#13 | 22.05 | 22.25 | 33 | PASS |
| | | | | RB25#25 | 21.86 | 22.06 | 33 | PASS |
| | | | | RB50#0 | 21.88 | 22.08 | 33 | PASS |
| | | 15 | LCH | RB1#0 | 22.73 | 22.93 | 33 | PASS |
| | | | | RB1#38 | 22.51 | 22.71 | 33 | PASS |
| | | | | RB1#74 | 22.73 | 22.93 | 33 | PASS |
| | | | | RB36#0 | 21.71 | 21.91 | 33 | PASS |
| | | | | RB36#18 | 21.64 | 21.84 | 33 | PASS |
| | | | | RB36#39 | 21.58 | 21.78 | 33 | PASS |
| | | | | RB75#0 | 21.66 | 21.86 | 33 | PASS |
| | | | MCH | RB1#0 | 22.46 | 22.66 | 33 | PASS |
| | | | | RB1#38 | 22.73 | 22.93 | 33 | PASS |
| | | | | RB1#74 | 22.77 | 22.97 | 33 | PASS |
| | | | | RB36#0 | 21.85 | 22.05 | 33 | PASS |
| | | | | RB36#18 | 21.68 | 21.88 | 33 | PASS |
| | | | | RB36#39 | 21.68 | 21.88 | 33 | PASS |
| | | | | RB75#0 | 21.82 | 22.02 | 33 | PASS |
| | | | HCH | RB1#0 | 22.27 | 22.47 | 33 | PASS |
| | | | | RB1#38 | 22.92 | 23.12 | 33 | PASS |
| | | | | RB1#74 | 21.9 | 22.1 | 33 | PASS |
| | | | | RB36#0 | 21.98 | 22.18 | 33 | PASS |
| | | | | RB36#18 | 22.09 | 22.29 | 33 | PASS |
| | | | | RB36#39 | 21.79 | 21.99 | 33 | PASS |
| | | | | RB75#0 | 21.73 | 21.93 | 33 | PASS |
| | | 20 | LCH | RB1#0 | 22.53 | 22.73 | 33 | PASS |
| | | | | RB1#50 | 23.19 | 23.39 | 33 | PASS |
| | | | | RB1#99 | 22.28 | 22.48 | 33 | PASS |
| | | | | RB50#0 | 21.7 | 21.9 | 33 | PASS |
| | | | | RB50#25 | 21.71 | 21.91 | 33 | PASS |
| | | | | RB50#50 | 21.59 | 21.79 | 33 | PASS |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | RB100#0 | 21.63 | 21.83 | 33 | PASS |
| | | | MCH | RB1#0 | 22.37 | 22.57 | 33 | PASS |
| | | | | RB1#50 | 23.06 | 23.26 | 33 | PASS |
| | | | | RB1#99 | 22.33 | 22.53 | 33 | PASS |
| | | | | RB50#0 | 21.84 | 22.04 | 33 | PASS |
| | | | | RB50#25 | 21.79 | 21.99 | 33 | PASS |
| | | | | RB50#50 | 21.62 | 21.82 | 33 | PASS |
| | | | | RB100#0 | 21.77 | 21.97 | 33 | PASS |
| | | | HCH | RB1#0 | 22.73 | 22.93 | 33 | PASS |
| | | | | RB1#50 | 22.64 | 22.84 | 33 | PASS |
| | | | | RB1#99 | 22.34 | 22.54 | 33 | PASS |
| | | | | RB50#0 | 21.64 | 21.84 | 33 | PASS |
| | | | | RB50#25 | 21.77 | 21.97 | 33 | PASS |
| | | | | RB50#50 | 21.83 | 22.03 | 33 | PASS |
| | | | | RB100#0 | 21.71 | 21.91 | 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,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b, SGP = Signal Generator Level

Note2:

SET Span = 1.5 * OBW

SET RBW = 1% of the OBW,not to exceed 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 | 3.95 | 13 | PASS |
| | | | | RB1#13 | 3.82 | 13 | PASS |
| | | | | RB1#24 | 4.04 | 13 | PASS |
| | | | | RB12#0 | 4.59 | 13 | PASS |
| | | | | RB12#6 | 4.53 | 13 | PASS |
| | | | | RB12#13 | 4.67 | 13 | PASS |
| | | | | RB25#0 | 4.93 | 13 | PASS |
| | | | MCH | RB1#0 | 4.23 | 13 | PASS |
| | | | | RB1#13 | 4.1 | 13 | PASS |
| | | | | RB1#24 | 4.33 | 13 | PASS |
| | | | | RB12#0 | 4.81 | 13 | PASS |
| | | | | RB12#6 | 4.76 | 13 | PASS |
| | | | | RB12#13 | 4.84 | 13 | PASS |
| | | | | RB25#0 | 5.23 | 13 | PASS |
| | | | HCH | RB1#0 | 4.17 | 13 | PASS |
| | | | | RB1#13 | 3.94 | 13 | PASS |
| | | | | RB1#24 | 4.22 | 13 | PASS |
| | | | | RB12#0 | 4.81 | 13 | PASS |
| | | | | RB12#6 | 4.68 | 13 | PASS |
| | | | | RB12#13 | 4.73 | 13 | PASS |
| | | | | RB25#0 | 5.16 | 13 | PASS |
| | | 10 | LCH | RB1#0 | 4.11 | 13 | PASS |
| | | | | RB1#25 | 3.81 | 13 | PASS |
| | | | | RB1#49 | 4.12 | 13 | PASS |
| | | | | RB25#0 | 4.7 | 13 | PASS |
| | | | | RB25#13 | 4.63 | 13 | PASS |
| | | | | RB25#25 | 4.76 | 13 | PASS |
| | | | | RB50#0 | 4.85 | 13 | PASS |
| | | | MCH | RB1#0 | 4.22 | 13 | PASS |
| | | | | RB1#25 | 4.2 | 13 | PASS |
| | | | | RB1#49 | 4.43 | 13 | PASS |
| | | | | RB25#0 | 4.9 | 13 | PASS |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|---|---|---|---|---|---|---|---|
| | | | | RB25#13 | 4.91 | 13 | PASS |
| | | | | RB25#25 | 5.06 | 13 | PASS |
| | | | | RB50#0 | 5.76 | 13 | PASS |
| | | | HCH | RB1#0 | 4.18 | 13 | PASS |
| | | | | RB1#25 | 3.87 | 13 | PASS |
| | | | | RB1#49 | 4.14 | 13 | PASS |
| | | | | RB25#0 | 4.91 | 13 | PASS |
| | | | | RB25#13 | 4.7 | 13 | PASS |
| | | | | RB25#25 | 4.83 | 13 | PASS |
| | | | | RB50#0 | 5.61 | 13 | PASS |
| | | 15 | LCH | RB1#0 | 4.09 | 13 | PASS |
| | | | | RB1#38 | 4.04 | 13 | PASS |
| | | | | RB1#74 | 4.07 | 13 | PASS |
| | | | | RB36#0 | 4.73 | 13 | PASS |
| | | | | RB36#18 | 4.63 | 13 | PASS |
| | | | | RB36#39 | 4.67 | 13 | PASS |
| | | | | RB75#0 | 5.47 | 13 | PASS |
| | | | MCH | RB1#0 | 4.19 | 13 | PASS |
| | | | | RB1#38 | 4.22 | 13 | PASS |
| | | | | RB1#74 | 4.46 | 13 | PASS |
| | | | | RB36#0 | 4.89 | 13 | PASS |
| | | | | RB36#18 | 4.89 | 13 | PASS |
| | | | | RB36#39 | 5.01 | 13 | PASS |
| | | | | RB75#0 | 5.54 | 13 | PASS |
| | | | HCH | RB1#0 | 4.33 | 13 | PASS |
| | | | | RB1#38 | 3.97 | 13 | PASS |
| | | | | RB1#74 | 4.18 | 13 | PASS |
| | | | | RB36#0 | 4.92 | 13 | PASS |
| | | | | RB36#18 | 4.73 | 13 | PASS |
| | | | | RB36#39 | 4.81 | 13 | PASS |
| | | | | RB75#0 | 5.53 | 13 | PASS |
| | | 20 | LCH | RB1#0 | 4.26 | 13 | PASS |
| | | | | RB1#50 | 4.02 | 13 | PASS |
| | | | | RB1#99 | 4.2 | 13 | PASS |
| | | | | RB50#0 | 4.82 | 13 | PASS |
| | | | | RB50#25 | 4.59 | 13 | PASS |
| | | | | RB50#50 | 4.73 | 13 | PASS |
| | | | | RB100#0 | 5.66 | 13 | PASS |
| | | | MCH | RB1#0 | 4.35 | 13 | PASS |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|---|---|---|---|---|---|---|---|
| | | | | RB1#50 | 4.19 | 13 | PASS |
| | | | | RB1#99 | 4.6 | 13 | PASS |
| | | | | RB50#0 | 4.92 | 13 | PASS |
| | | | | RB50#25 | 4.96 | 13 | PASS |
| | | | | RB50#50 | 5.04 | 13 | PASS |
| | | | | RB100#0 | 5.41 | 13 | PASS |
| | | | HCH | RB1#0 | 4.57 | 13 | PASS |
| | | | | RB1#50 | 3.93 | 13 | PASS |
| | | | | RB1#99 | 4.42 | 13 | PASS |
| | | | | RB50#0 | 5.01 | 13 | PASS |
| | | | | RB50#25 | 4.81 | 13 | PASS |
| | | | | RB50#50 | 4.86 | 13 | PASS |
| | | | | RB100#0 | 5.28 | 13 | PASS |
| | LTE/TM2 | 5 | LCH | RB1#0 | 4.91 | 13 | PASS |
| | | | | RB1#13 | 4.96 | 13 | PASS |
| | | | | RB1#24 | 5.07 | 13 | PASS |
| | | | | RB12#0 | 5.46 | 13 | PASS |
| | | | | RB12#6 | 5.37 | 13 | PASS |
| | | | | RB12#13 | 5.5 | 13 | PASS |
| | | | | RB25#0 | 6 | 13 | PASS |
| | | | MCH | RB1#0 | 5.25 | 13 | PASS |
| | | | | RB1#13 | 5.16 | 13 | PASS |
| | | | | RB1#24 | 5.47 | 13 | PASS |
| | | | | RB12#0 | 5.8 | 13 | PASS |
| | | | | RB12#6 | 5.69 | 13 | PASS |
| | | | | RB12#13 | 5.84 | 13 | PASS |
| | | | | RB25#0 | 6.48 | 13 | PASS |
| | | | HCH | RB1#0 | 4.72 | 13 | PASS |
| | | | | RB1#13 | 4.55 | 13 | PASS |
| | | | | RB1#24 | 4.84 | 13 | PASS |
| | | | | RB12#0 | 5.59 | 13 | PASS |
| | | | | RB12#6 | 5.5 | 13 | PASS |
| | | | | RB12#13 | 5.64 | 13 | PASS |
| | | | | RB25#0 | 6.04 | 13 | PASS |
| | | 10 | LCH | RB1#0 | 5.14 | 13 | PASS |
| | | | | RB1#25 | 4.82 | 13 | PASS |
| | | | | RB1#49 | 5.18 | 13 | PASS |
| | | | | RB25#0 | 5.68 | 13 | PASS |
| | | | | RB25#13 | 5.55 | 13 | PASS |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|---|---|---|---|---|---|---|---|
| | | | | RB25#25 | 5.69 | 13 | PASS |
| | | | | RB50#0 | 6.59 | 13 | PASS |
| | | | MCH | RB1#0 | 5.23 | 13 | PASS |
| | | | | RB1#25 | 5.17 | 13 | PASS |
| | | | | RB1#49 | 5.47 | 13 | PASS |
| | | | | RB25#0 | 5.69 | 13 | PASS |
| | | | | RB25#13 | 5.72 | 13 | PASS |
| | | | | RB25#25 | 5.88 | 13 | PASS |
| | | | | RB50#0 | 6.24 | 13 | PASS |
| | | | HCH | RB1#0 | 5.1 | 13 | PASS |
| | | | | RB1#25 | 4.88 | 13 | PASS |
| | | | | RB1#49 | 4.9 | 13 | PASS |
| | | | | RB25#0 | 5.64 | 13 | PASS |
| | | | | RB25#13 | 5.57 | 13 | PASS |
| | | | | RB25#25 | 5.63 | 13 | PASS |
| | | | | RB50#0 | 5.92 | 13 | PASS |
| | | 15 | LCH | RB1#0 | 5.17 | 13 | PASS |
| | | | | RB1#38 | 4.86 | 13 | PASS |
| | | | | RB1#74 | 5.06 | 13 | PASS |
| | | | | RB36#0 | 5.71 | 13 | PASS |
| | | | | RB36#18 | 5.6 | 13 | PASS |
| | | | | RB36#39 | 5.65 | 13 | PASS |
| | | | | RB75#0 | 6.14 | 13 | PASS |
| | | | MCH | RB1#0 | 4.83 | 13 | PASS |
| | | | | RB1#38 | 4.83 | 13 | PASS |
| | | | | RB1#74 | 5.18 | 13 | PASS |
| | | | | RB36#0 | 5.9 | 13 | PASS |
| | | | | RB36#18 | 5.89 | 13 | PASS |
| | | | | RB36#39 | 6.04 | 13 | PASS |
| | | | | RB75#0 | 6.33 | 13 | PASS |
| | | | HCH | RB1#0 | 5.22 | 13 | PASS |
| | | | | RB1#38 | 4.83 | 13 | PASS |
| | | | | RB1#74 | 5.09 | 13 | PASS |
| | | | | RB36#0 | 5.84 | 13 | PASS |
| | | | | RB36#18 | 5.63 | 13 | PASS |
| | | | | RB36#39 | 5.78 | 13 | PASS |
| | | | | RB75#0 | 6.17 | 13 | PASS |
| | | 20 | LCH | RB1#0 | 4.64 | 13 | PASS |
| | | | | RB1#50 | 4.48 | 13 | PASS |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|---|---|---|---|---|---|---|---|
| | | | | RB1#99 | 4.58 | 13 | PASS |
| | | | | RB50#0 | 5.7 | 13 | PASS |
| | | | | RB50#25 | 5.49 | 13 | PASS |
| | | | | RB50#50 | 5.57 | 13 | PASS |
| | | | | RB100#0 | 6.32 | 13 | PASS |
| | | | MCH | RB1#0 | 5.08 | 13 | PASS |
| | | | | RB1#50 | 5.02 | 13 | PASS |
| | | | | RB1#99 | 5.41 | 13 | PASS |
| | | | | RB50#0 | 5.86 | 13 | PASS |
| | | | | RB50#25 | 5.89 | 13 | PASS |
| | | | | RB50#50 | 6.09 | 13 | PASS |
| | | | | RB100#0 | 6.53 | 13 | PASS |
| | | | HCH | RB1#0 | 5.32 | 13 | PASS |
| | | | | RB1#50 | 4.95 | 13 | PASS |
| | | | | RB1#99 | 5.1 | 13 | PASS |
| | | | | RB50#0 | 5.99 | 13 | PASS |
| | | | | RB50#25 | 5.81 | 13 | PASS |
| | | | | RB50#50 | 5.79 | 13 | PASS |
| | | | | RB100#0 | 6.24 | 13 | PASS |

# 3Appendix_C: Modulation Characteristics

**Part I - Test Plots**

**3.1 For LTE**

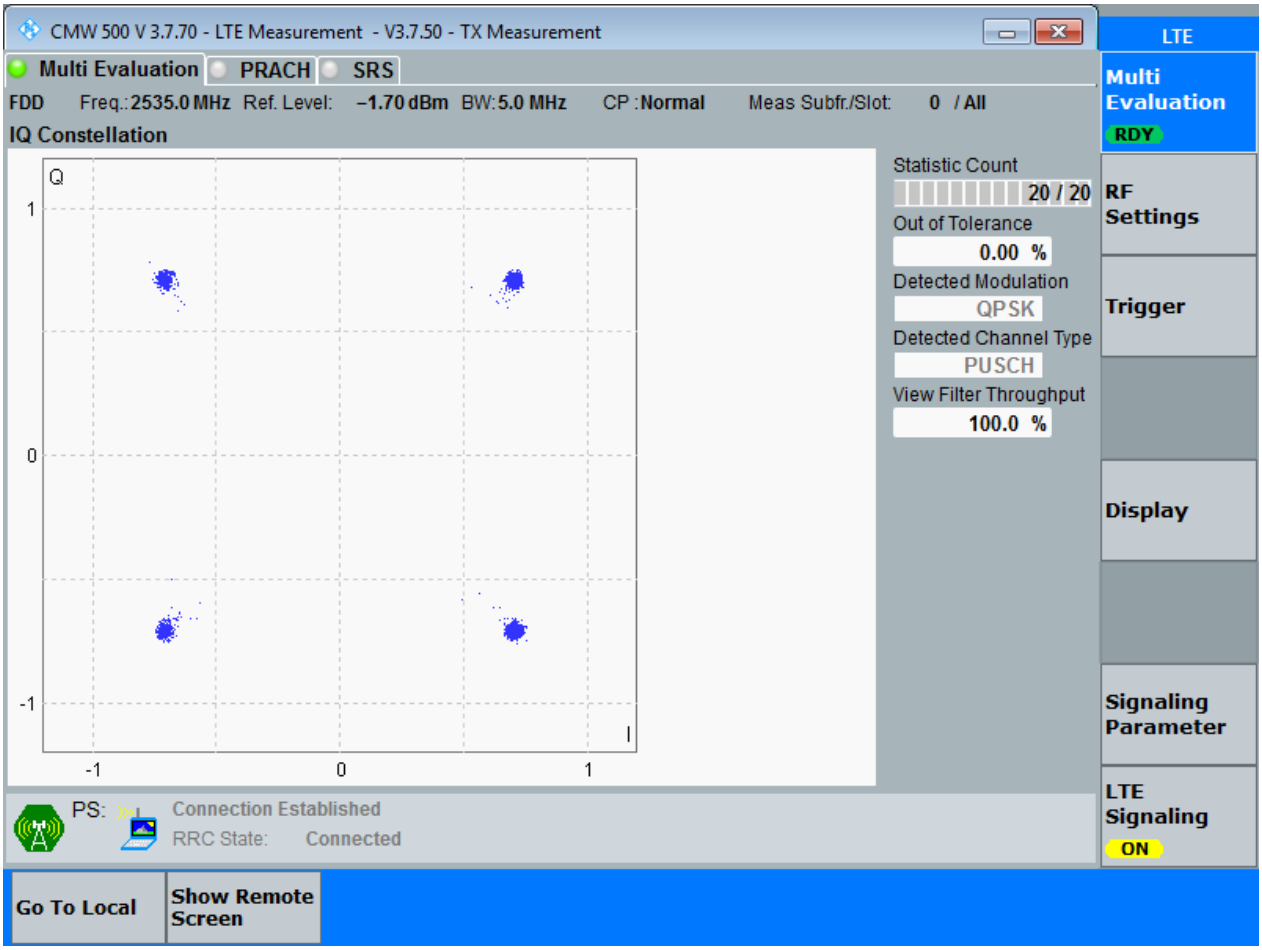
**3.1.1 Test Band = BAND7**

**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**

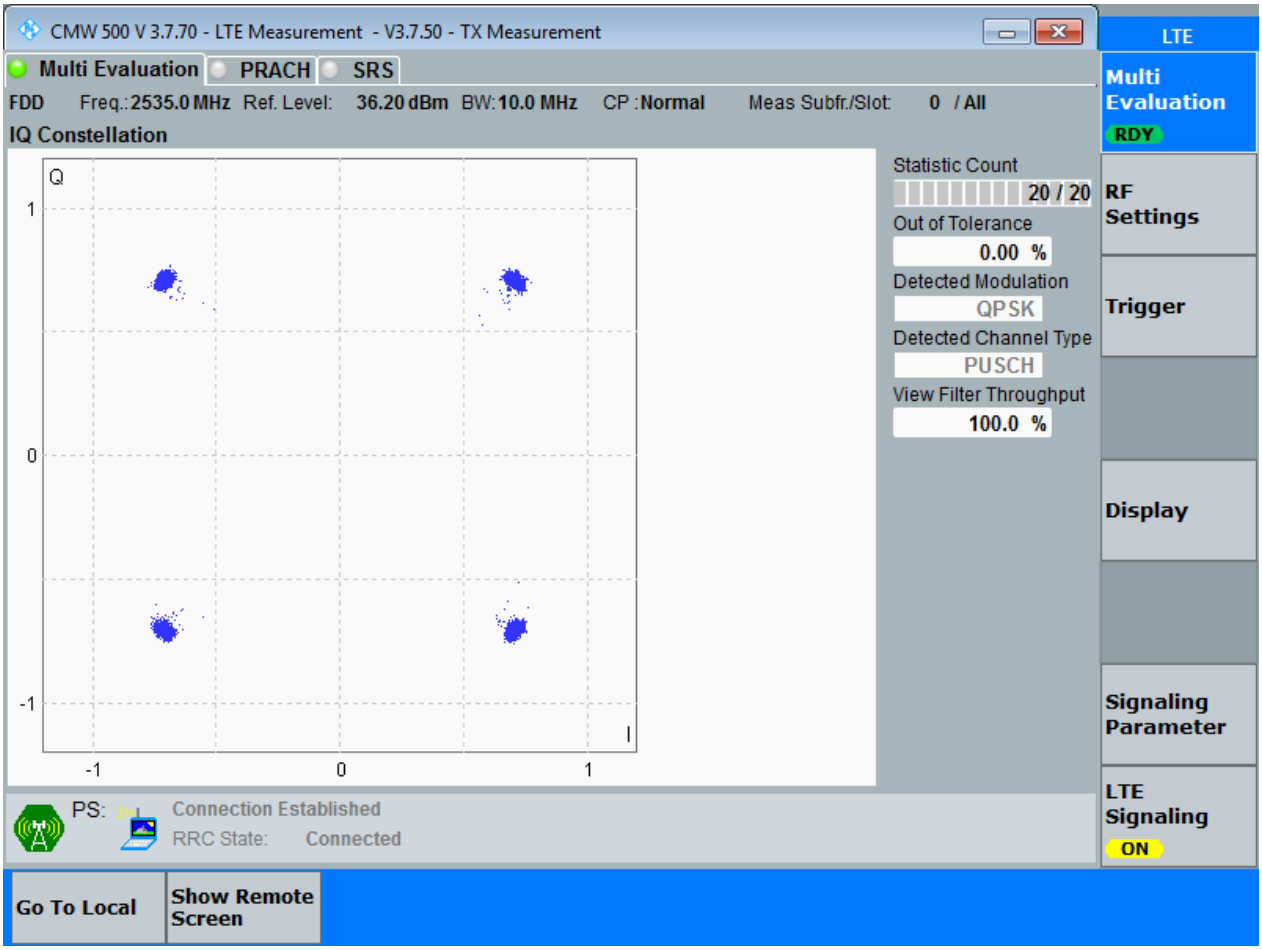
**3.1.1.1.1.1.1 Test RB = RB25#0**



### 3.1.1.1.2 Test Bandwidth = 10

#### 3.1.1.1.2.1 Test Channel = MCH

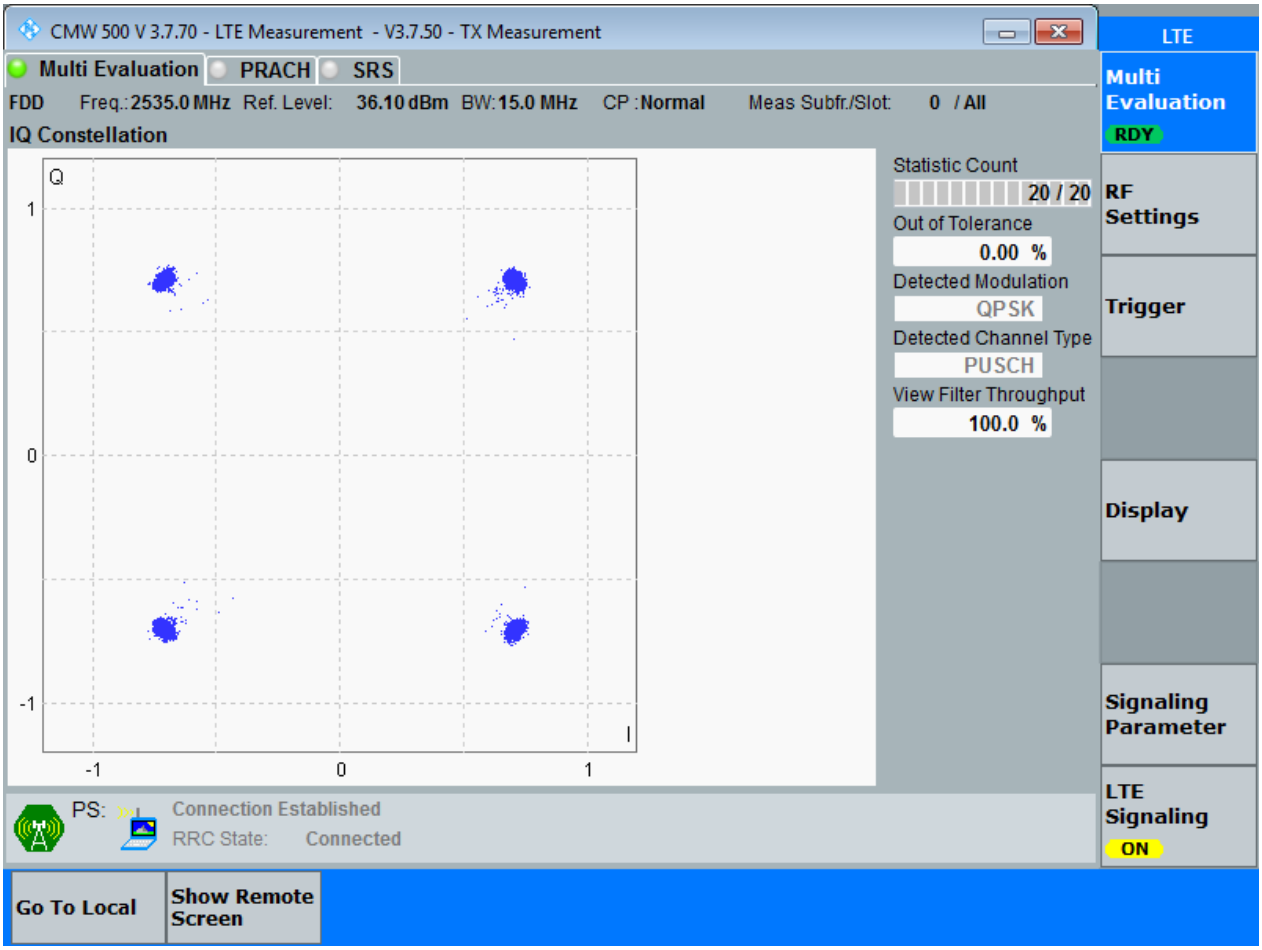
##### 3.1.1.1.2.1.1 Test RB = RB50#0



#### 3.1.1.1.3 Test Bandwidth = 15

##### 3.1.1.1.3.1 Test Channel = MCH

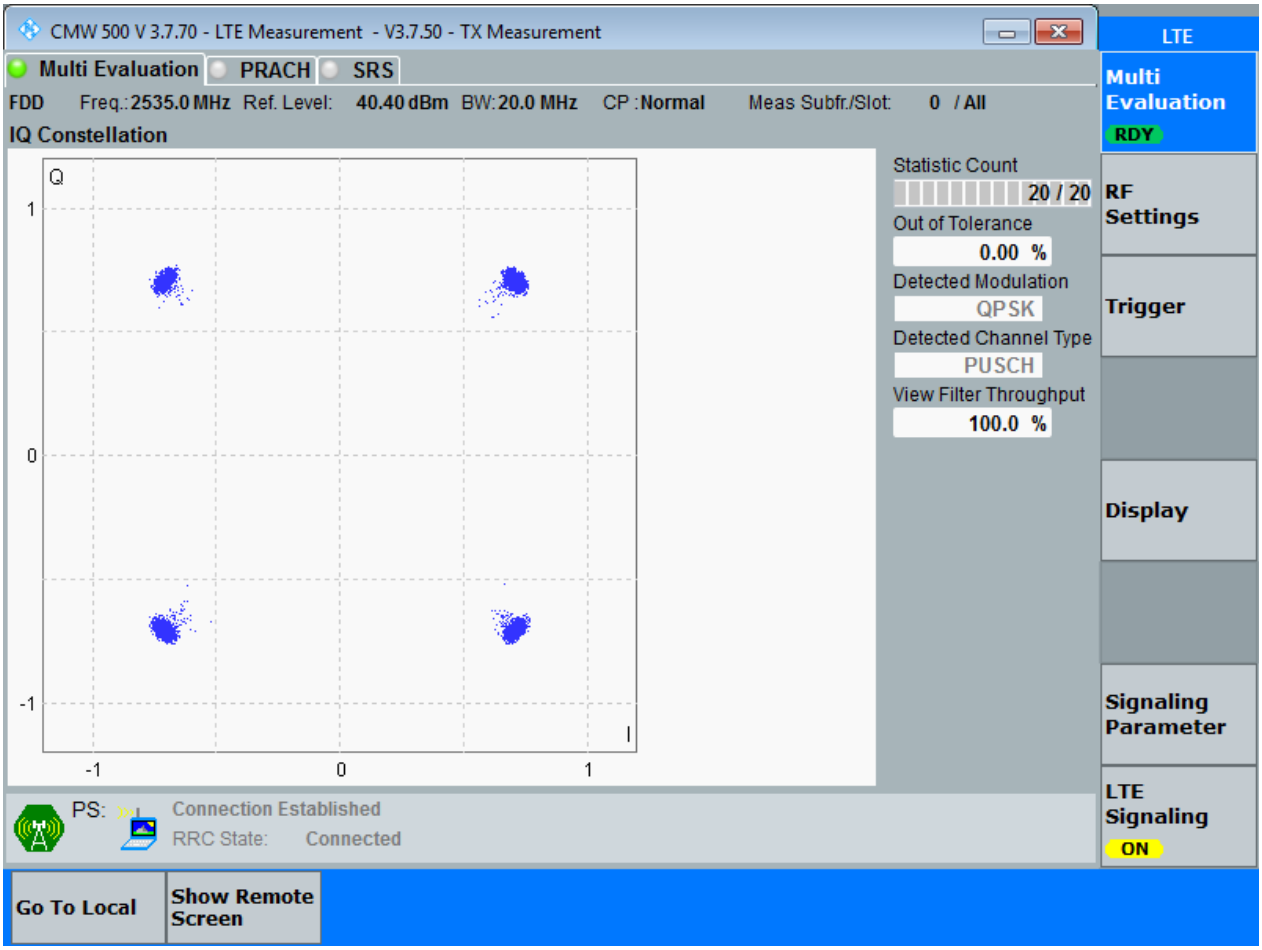
###### 3.1.1.1.3.1.1 Test RB = RB75#0



### 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

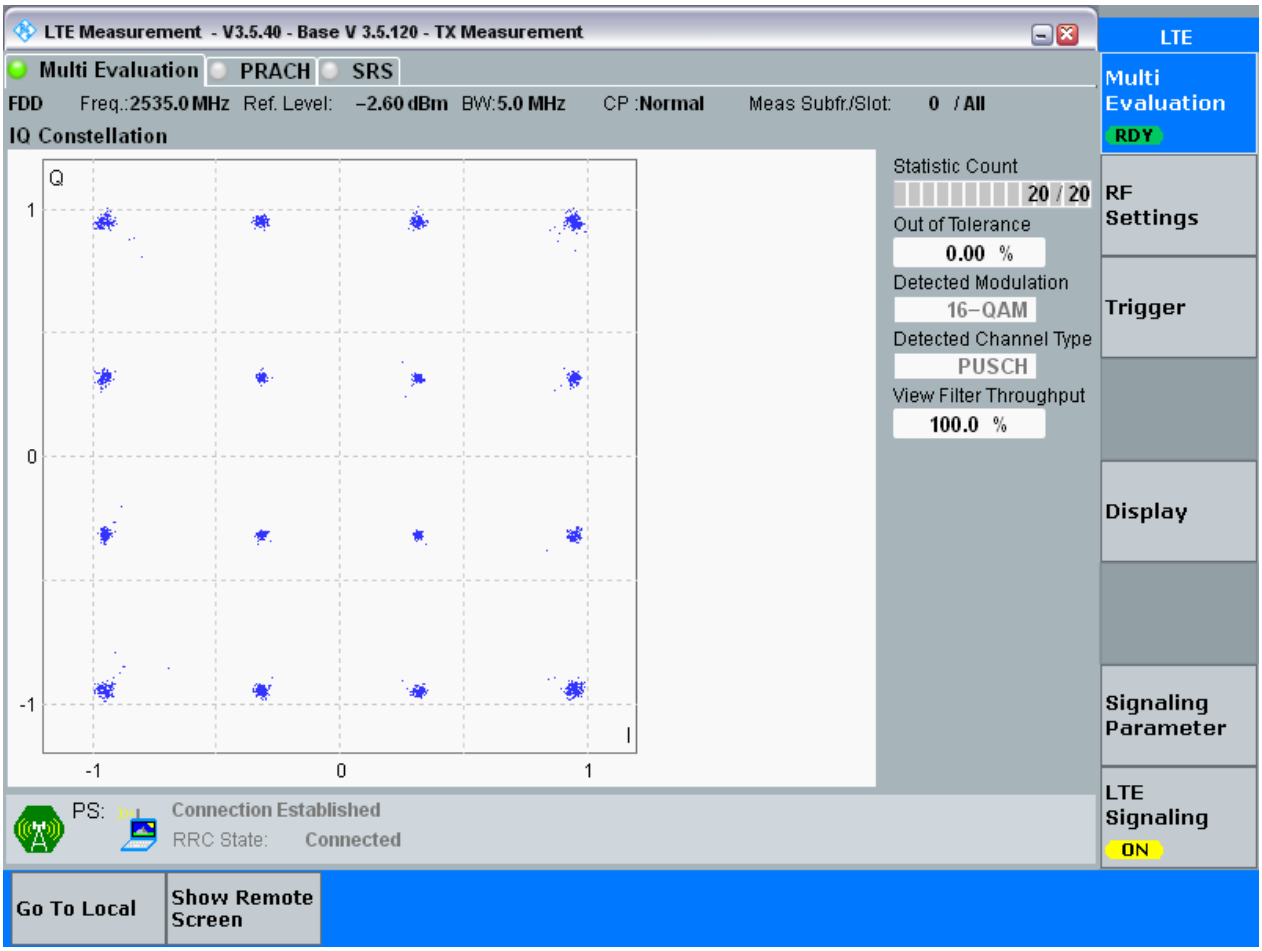


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 5

##### 3.1.1.2.1.1 Test Channel = MCH

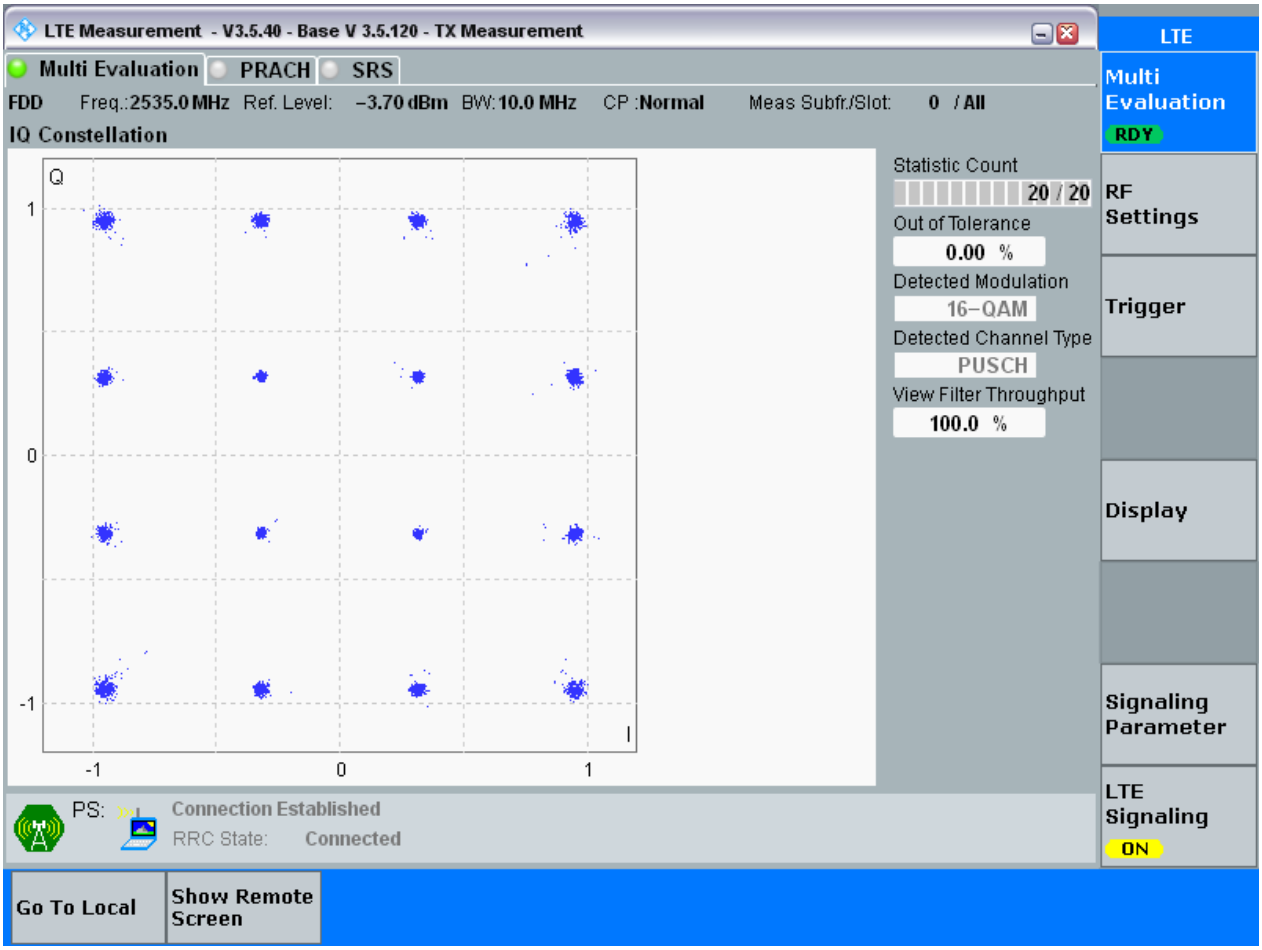
###### 3.1.1.2.1.1.1 Test RB = RB25#0



### 3.1.1.2.2 Test Bandwidth = 10

#### 3.1.1.2.2.1 Test Channel = MCH

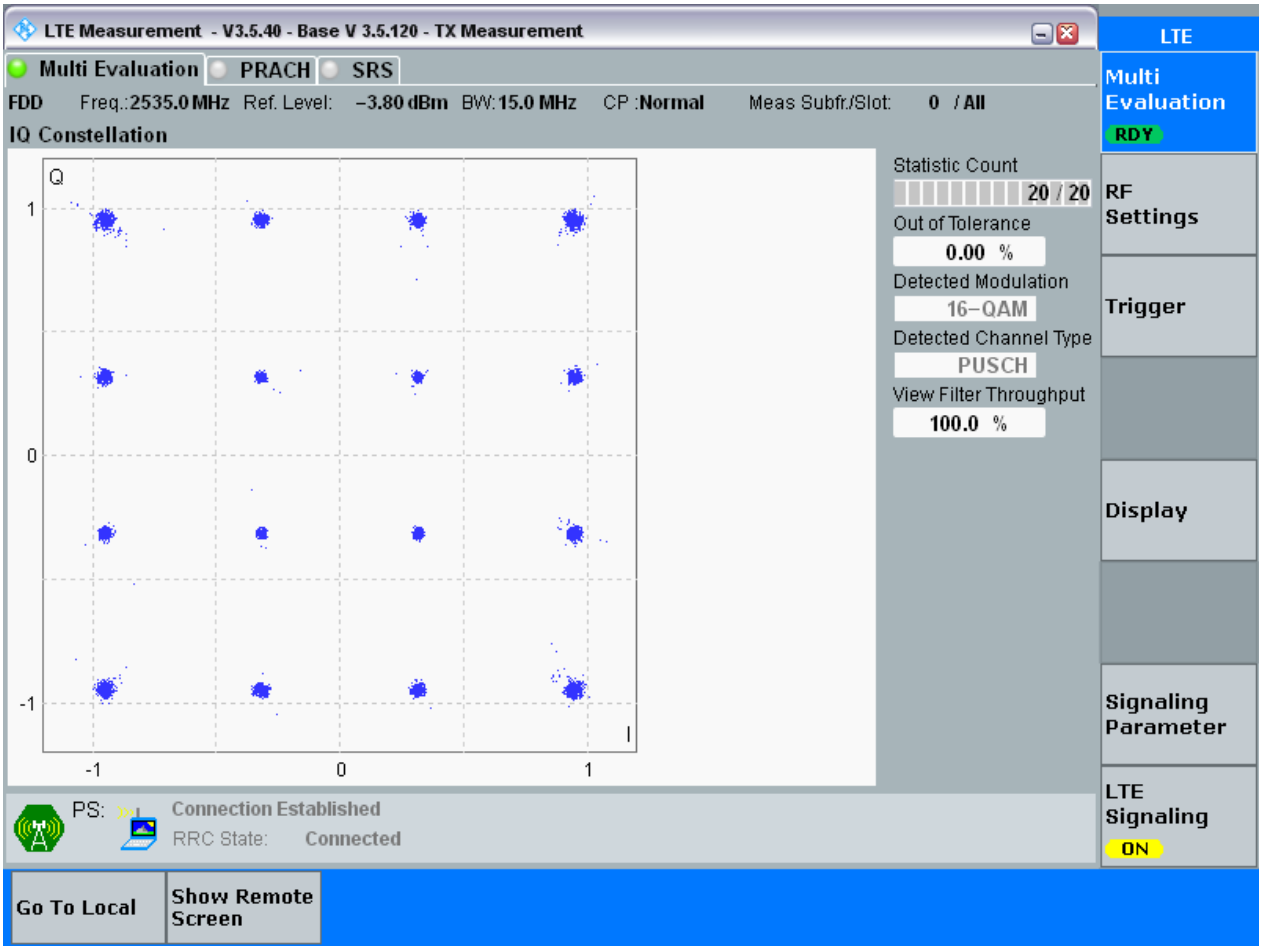
##### 3.1.1.2.2.1.1 Test RB = RB50#0



### 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

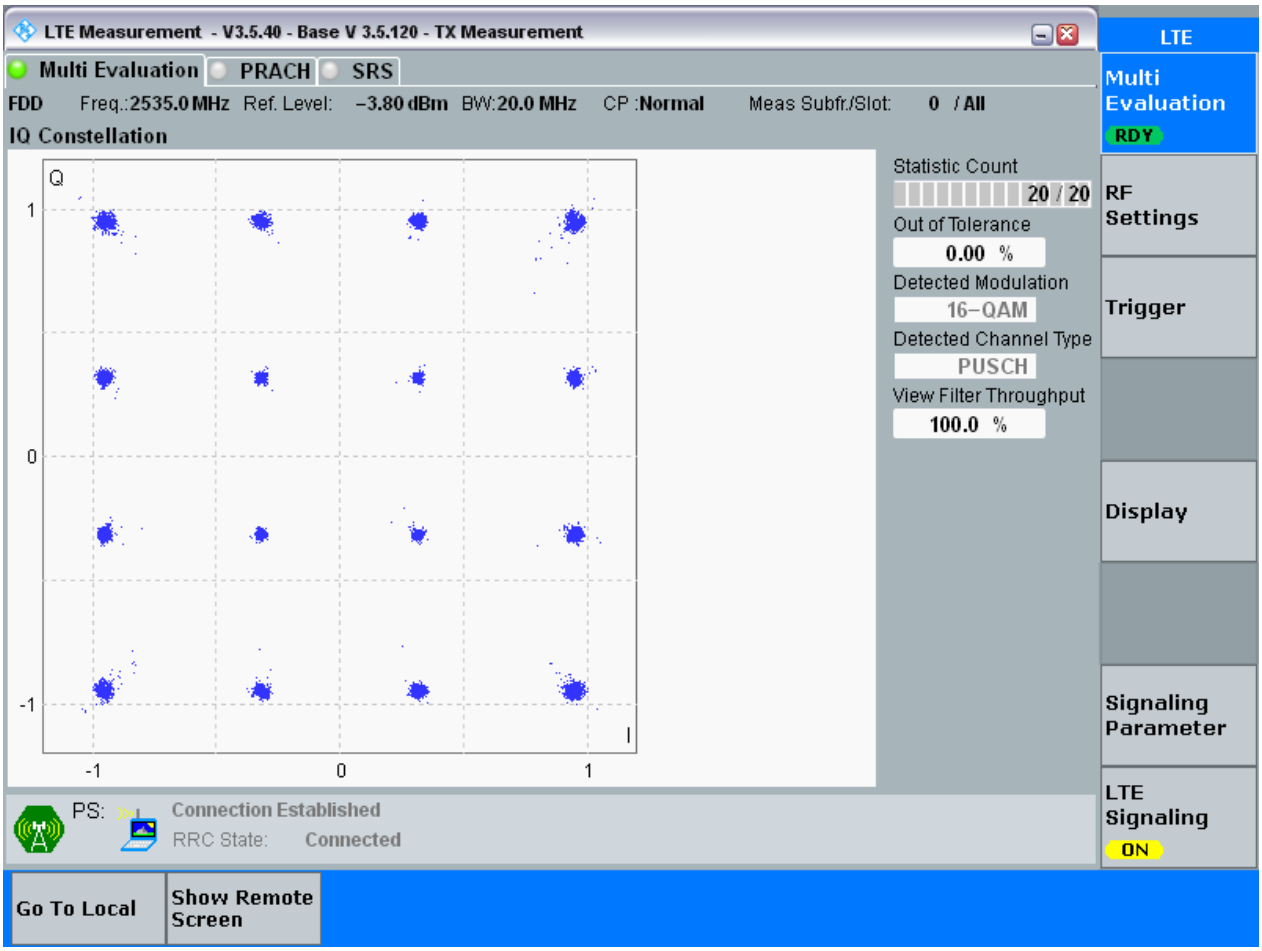


### 3.1.1.2.4 Test Bandwidth = 20

#### 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 | 5.01 | Pass |
| | | | MCH | RB25#0 | 4.49 | 4.98 | Pass |
| | | | HCH | RB25#0 | 4.49 | 5.01 | Pass |
| | | 10 | LCH | RB50#0 | 8.98 | 9.94 | Pass |
| | | | MCH | RB50#0 | 8.97 | 9.90 | Pass |
| | | | HCH | RB50#0 | 8.98 | 9.88 | Pass |
| | | 15 | LCH | RB75#0 | 13.46 | 14.77 | Pass |
| | | | MCH | RB75#0 | 13.46 | 14.75 | Pass |
| | | | HCH | RB75#0 | 13.43 | 14.70 | Pass |
| | | 20 | LCH | RB100#0 | 17.91 | 19.42 | Pass |
| | | | MCH | RB100#0 | 17.92 | 19.53 | Pass |
| | | | HCH | RB100#0 | 17.91 | 19.43 | Pass |
| | LTE/TM2 | 5 | LCH | RB25#0 | 4.50 | 5.03 | Pass |
| | | | MCH | RB25#0 | 4.49 | 4.96 | Pass |
| | | | HCH | RB25#0 | 4.49 | 4.99 | Pass |
| | | 10 | LCH | RB50#0 | 8.97 | 9.92 | Pass |
| | | | MCH | RB50#0 | 8.98 | 9.89 | Pass |
| | | | HCH | RB50#0 | 8.96 | 9.91 | Pass |
| | | 15 | LCH | RB75#0 | 13.44 | 14.76 | Pass |
| | | | MCH | RB75#0 | 13.42 | 14.72 | Pass |
| | | | HCH | RB75#0 | 13.43 | 14.75 | Pass |
| | | 20 | LCH | RB100#0 | 17.90 | 19.47 | Pass |
| | | | MCH | RB100#0 | 17.89 | 19.54 | Pass |
| | | | HCH | RB100#0 | 17.87 | 19.43 | 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

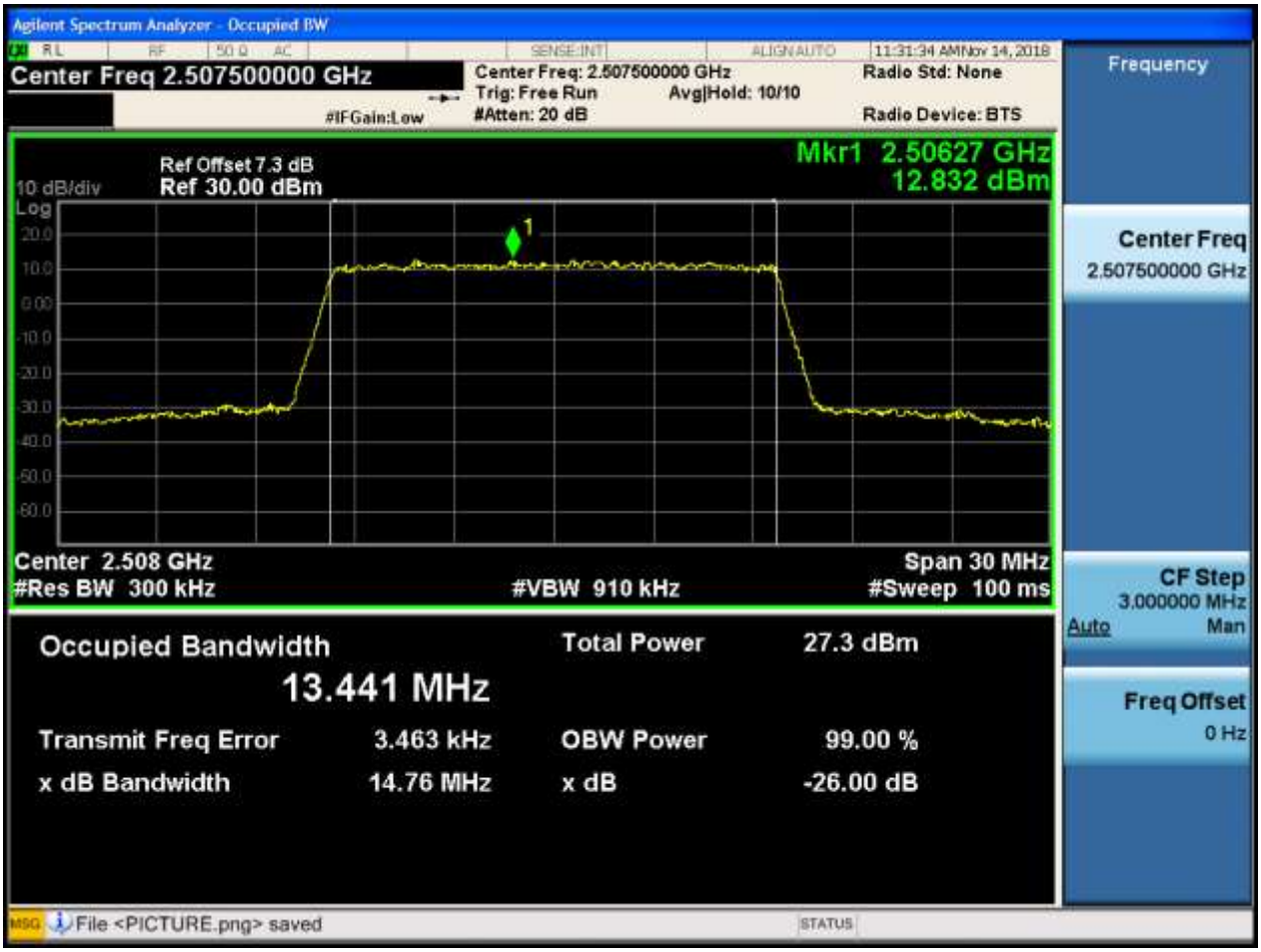
#### 4.1.1.2.2.3 Test Channel = HCH

##### 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**

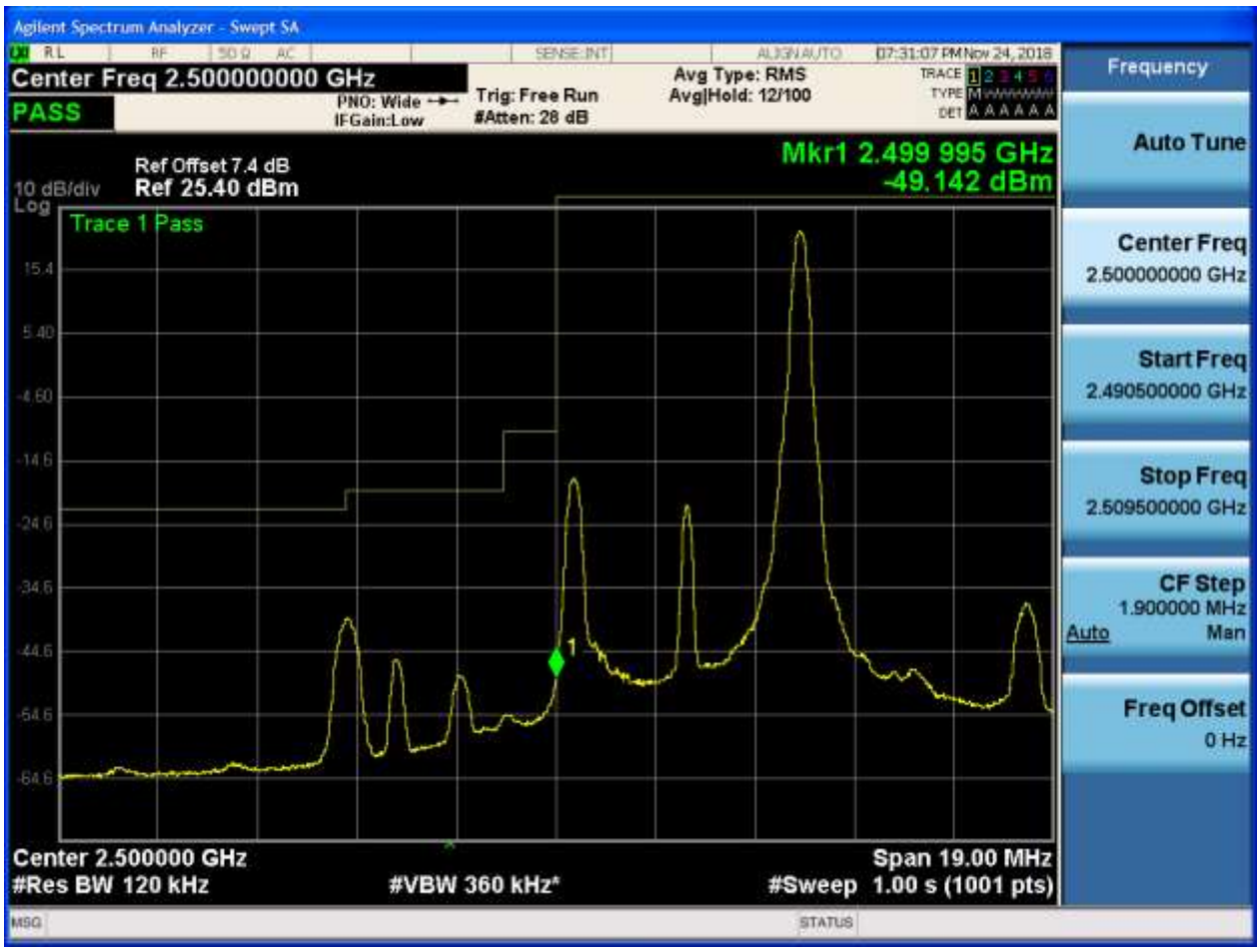
**5.1.1.1 Test Mode = LTE/TM1**

**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**

#### 5.1.1.1.1.1.2 Test RB = RB1#24



#### 5.1.1.1.1.1.3 Test RB = RB12#6

#### 5.1.1.1.1.1.4 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

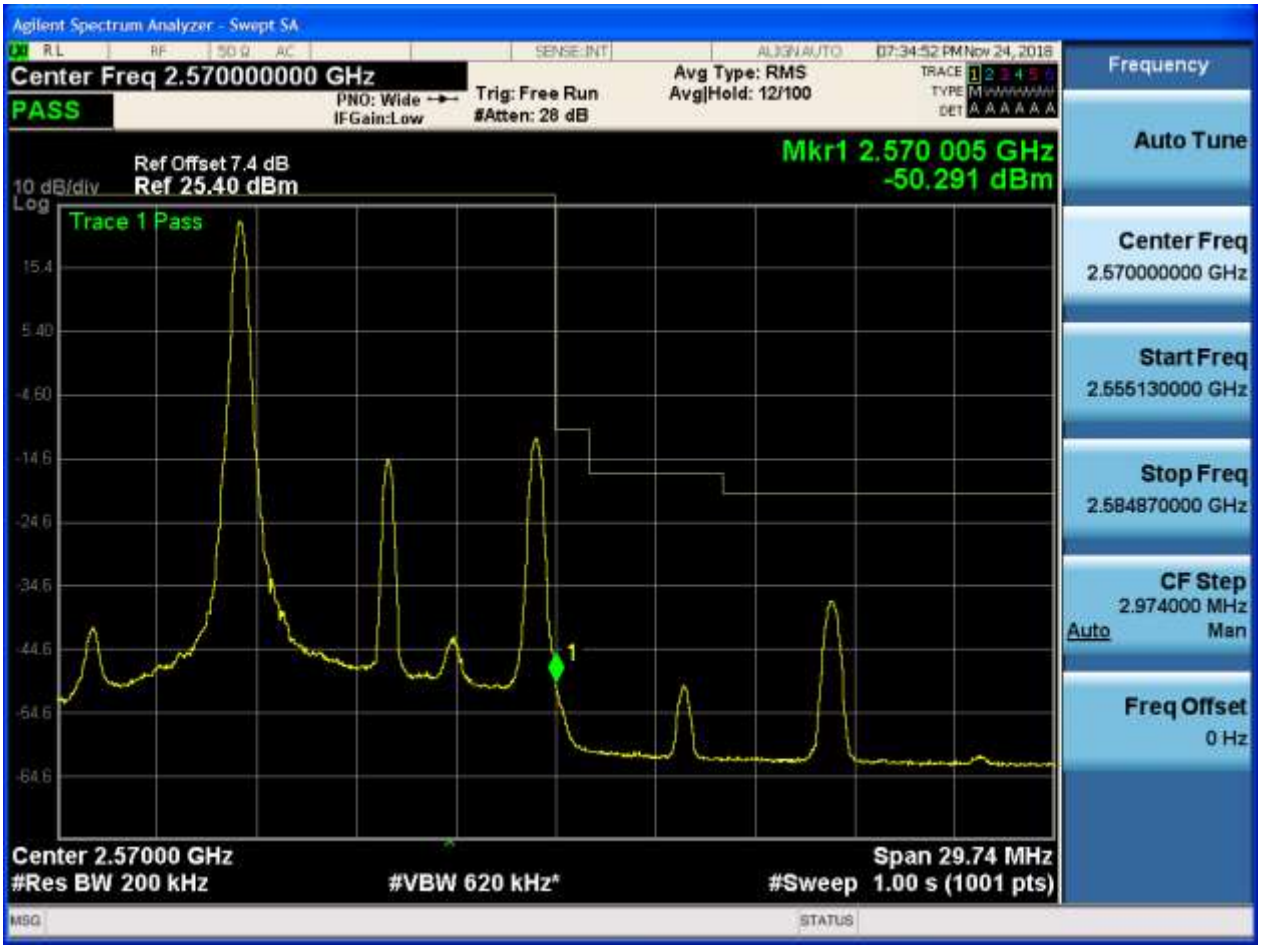
#### 5.1.1.1.2.1.2 Test RB = RB1#49

#### 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

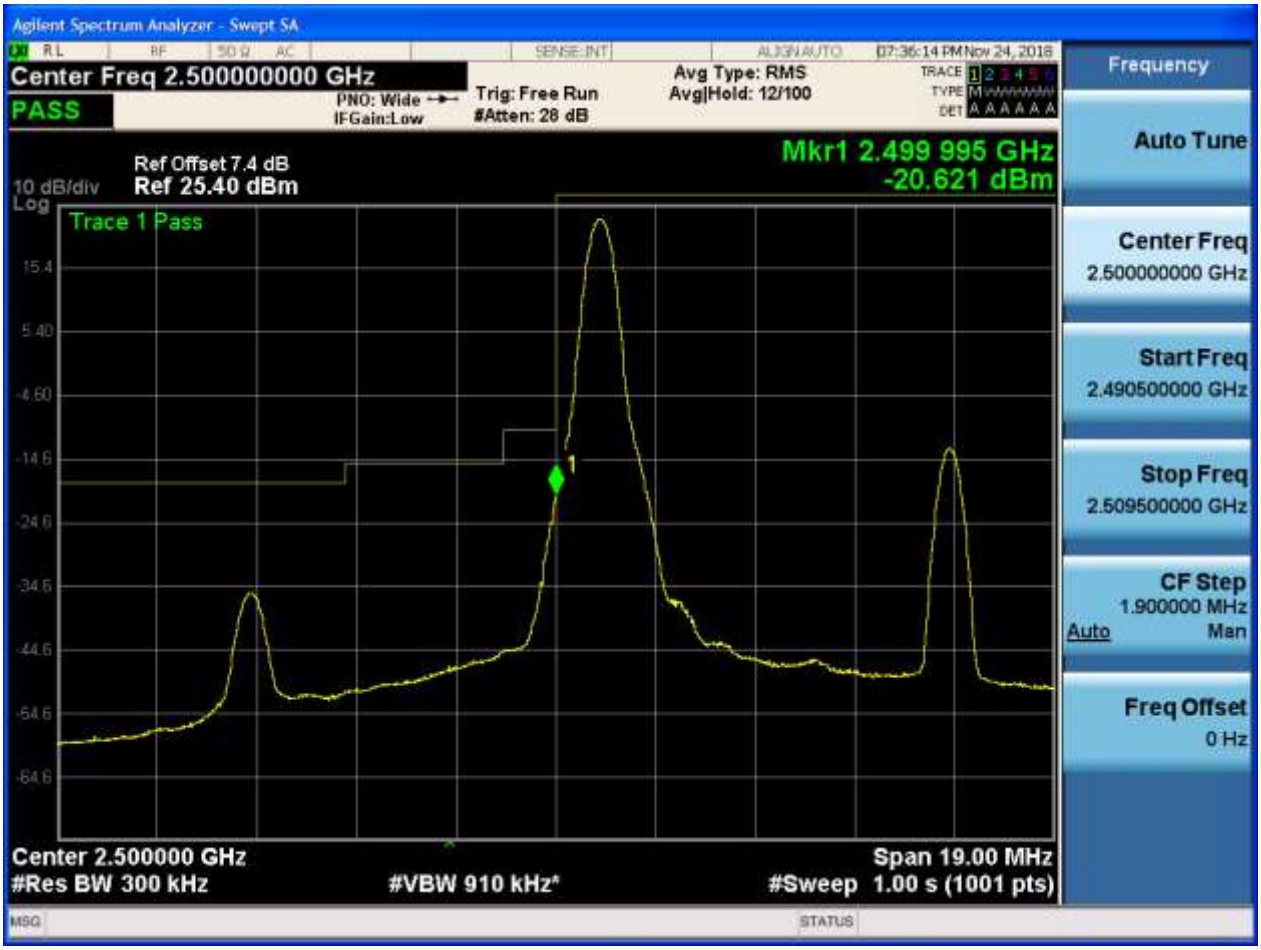
#### 5.1.1.1.2.2.3 Test RB = RB25#13

#### 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

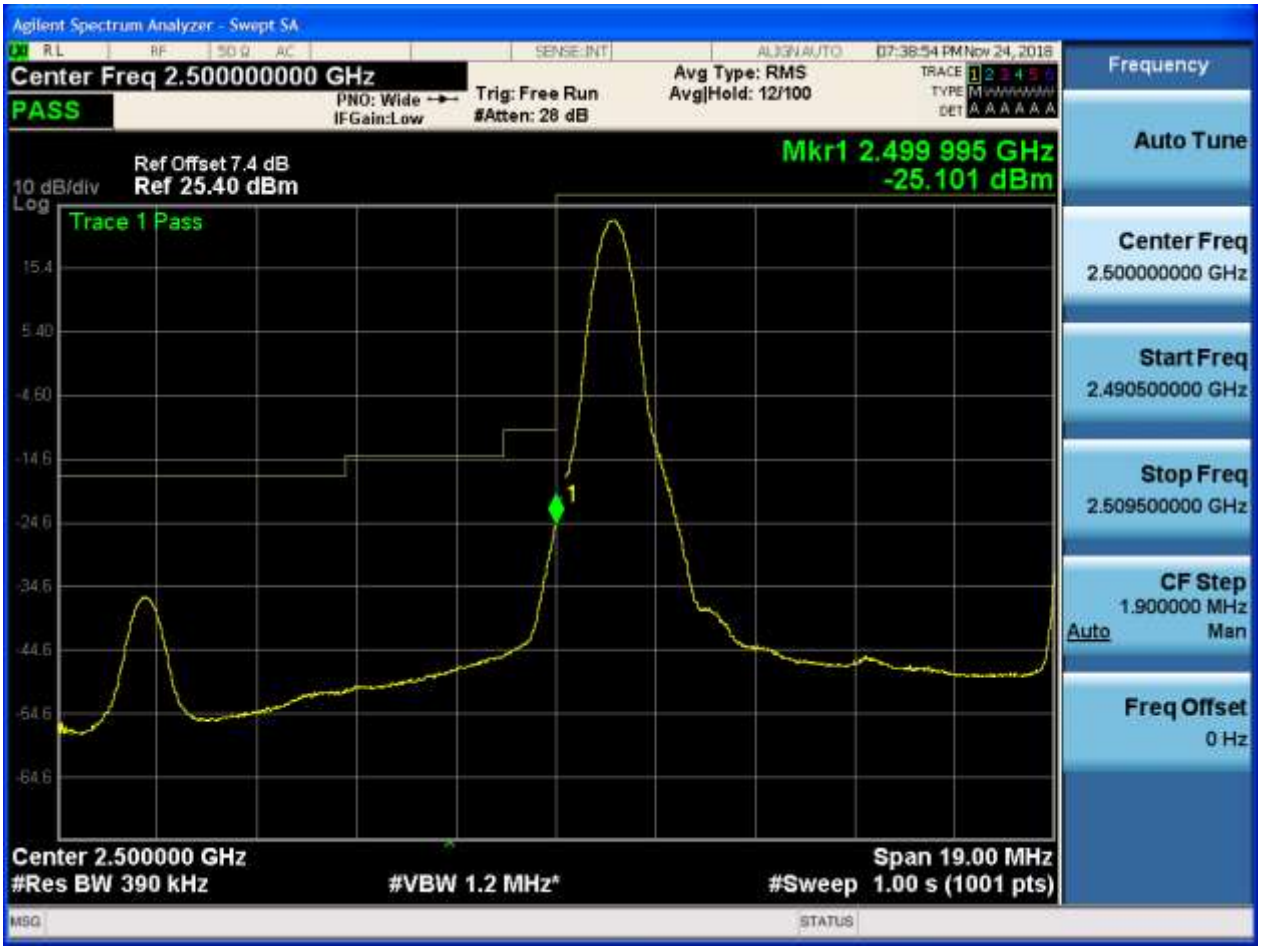
#### 5.1.1.1.3.2.3 Test RB = RB36#18

#### 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

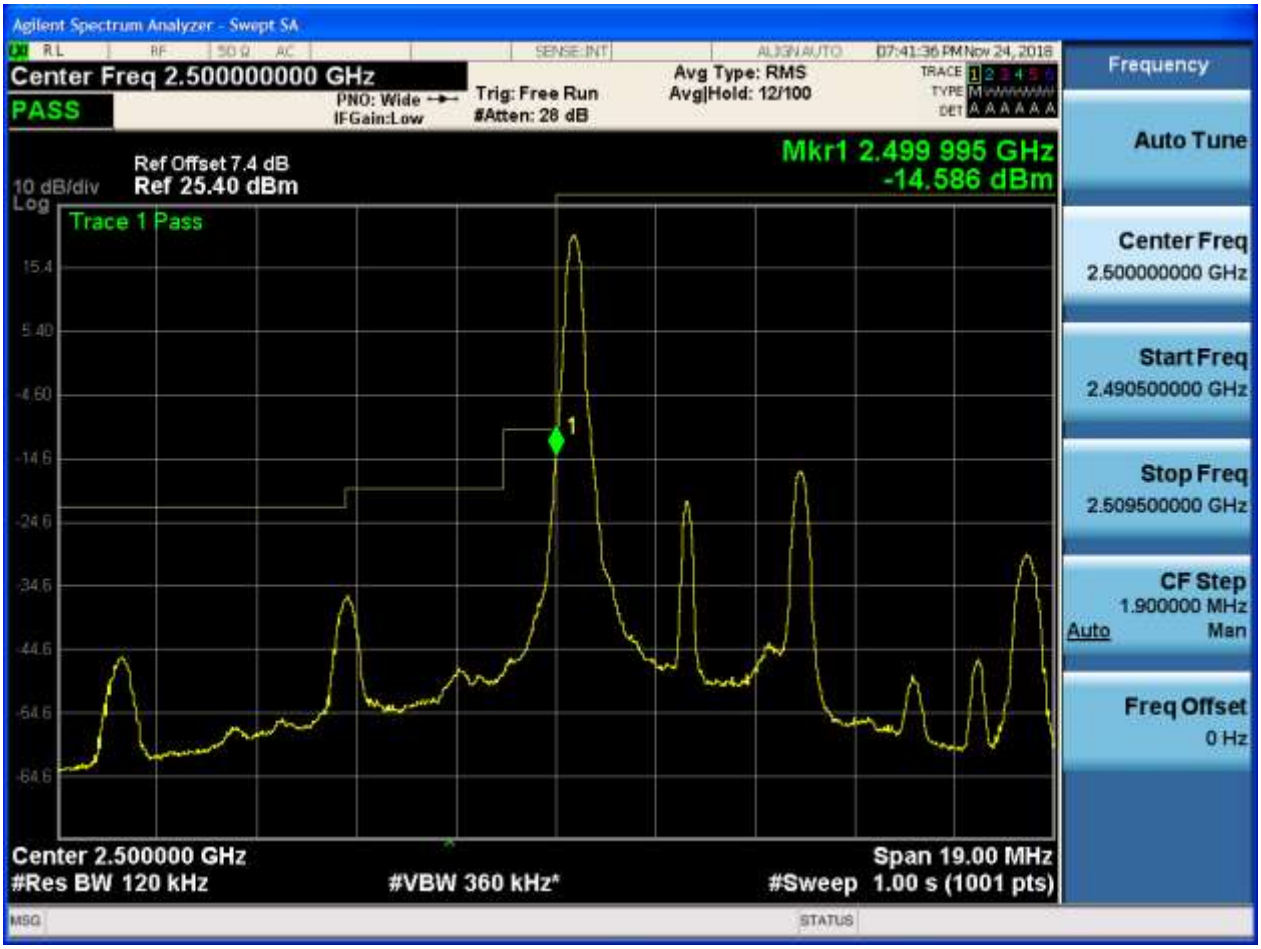
#### 5.1.1.1.4.2.4 Test RB = RB100#0

#### 5.1.1.2 Test Mode = LTE/TM2

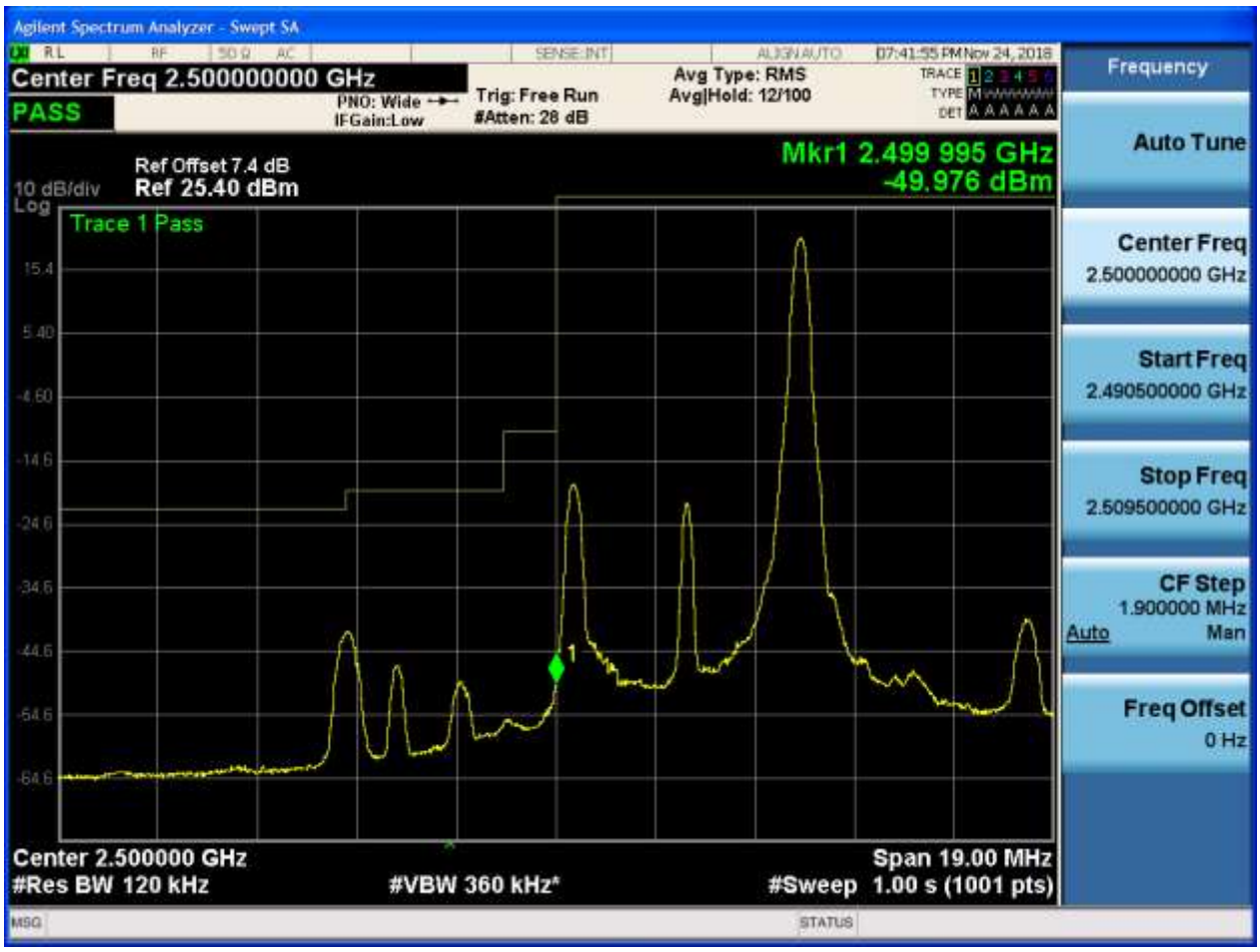
##### 5.1.1.2.1 Test Bandwidth = 5

###### 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

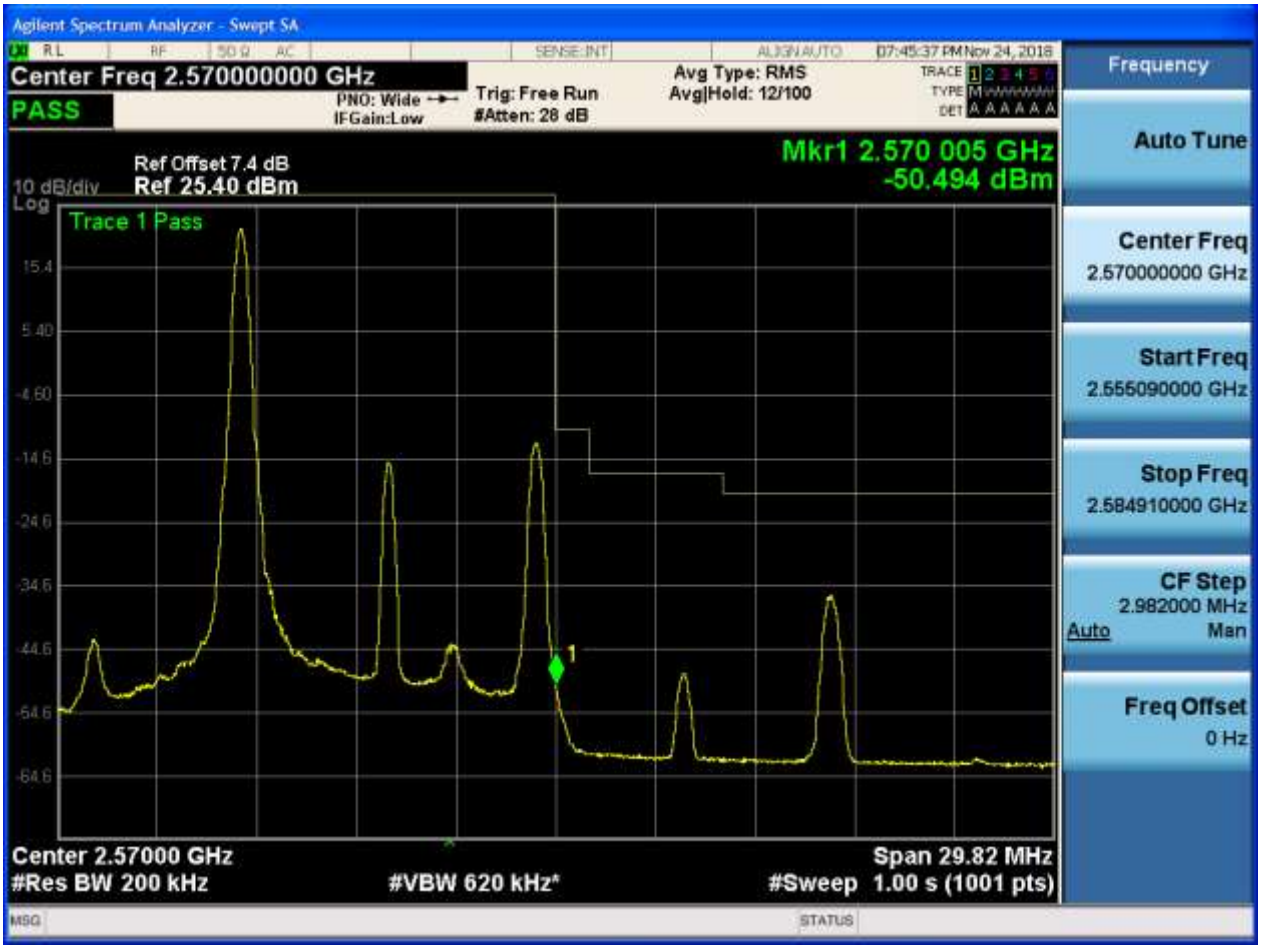
#### 5.1.1.2.2.1.2 Test RB = RB1#49

#### 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 Test RB = RB1#49

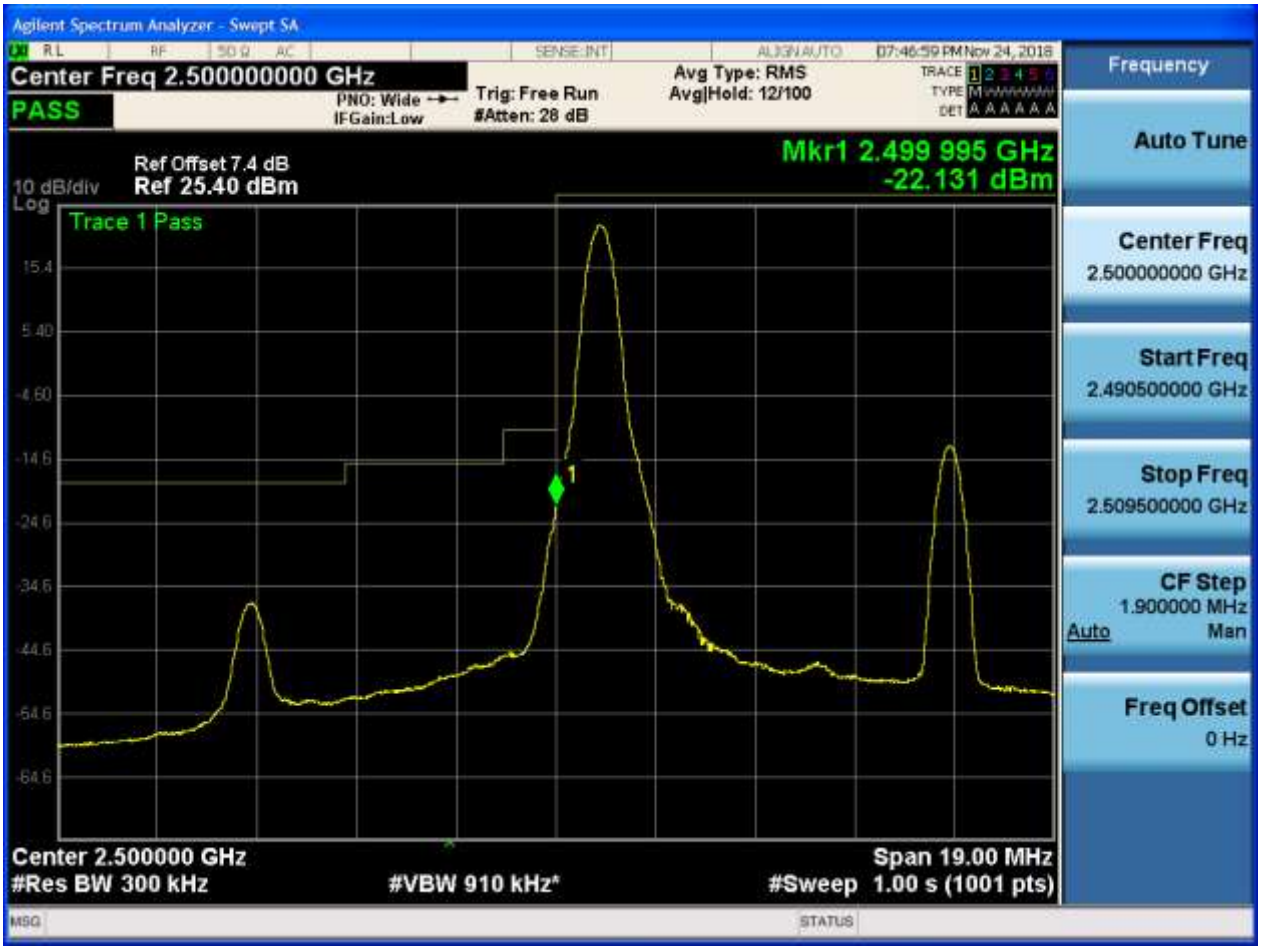
#### 5.1.1.2.2.2.3 Test RB = RB25#13

#### 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



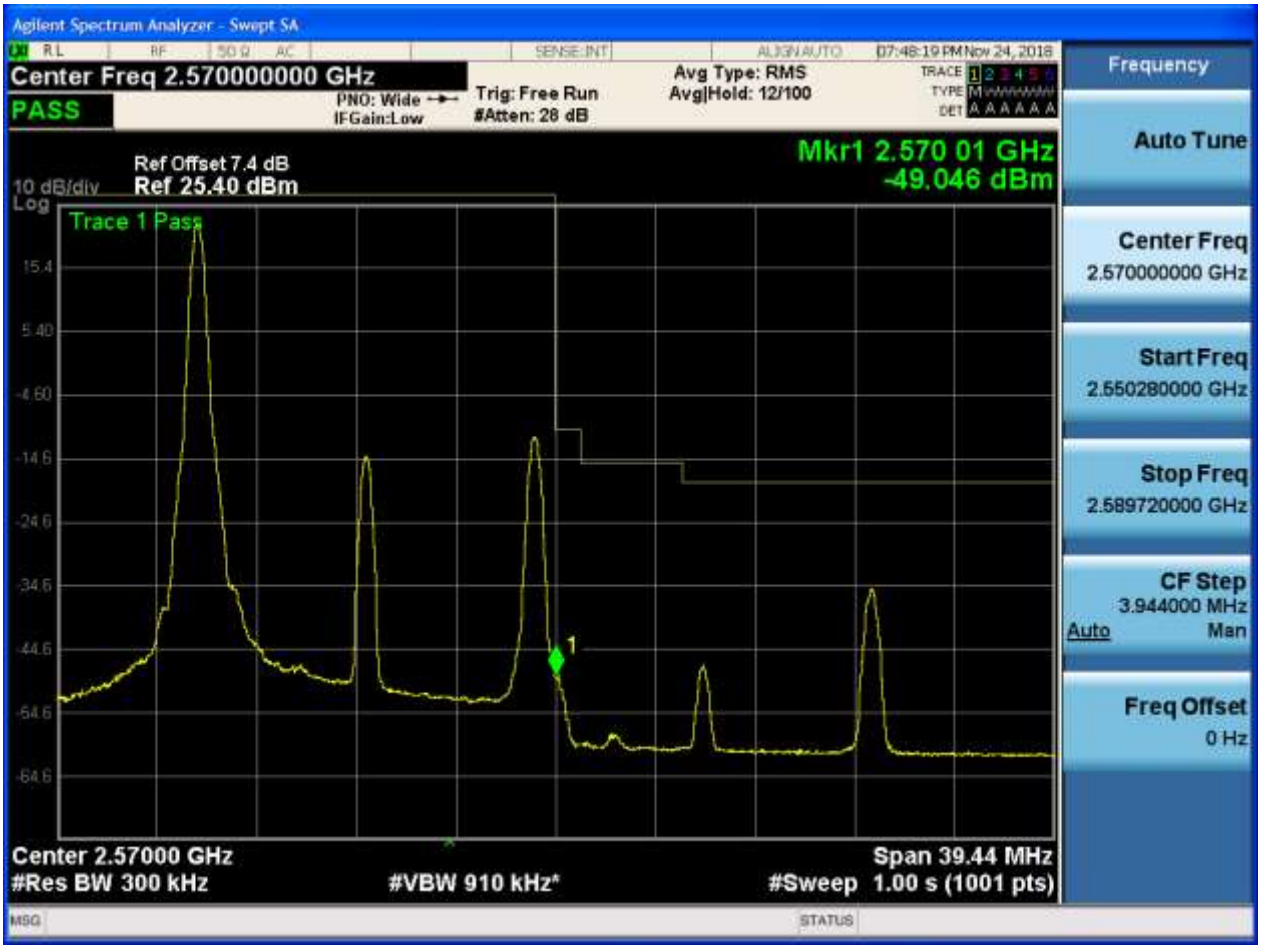
#### 5.1.1.2.3.1.2 Test RB = RB1#74

#### 5.1.1.2.3.1.3 Test RB = RB36#18

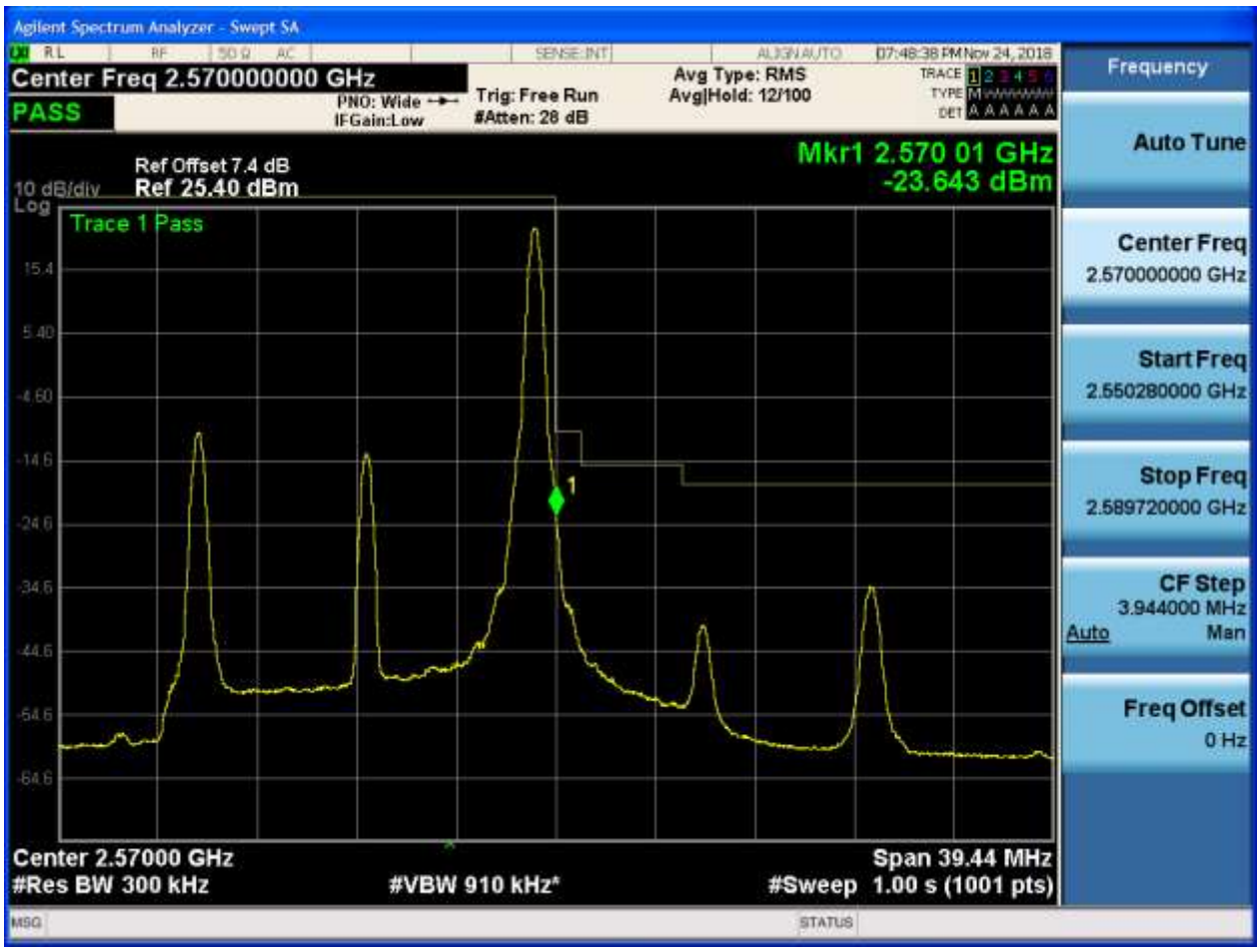
#### 5.1.1.2.3.1.4 Test RB = RB75#0

#### 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



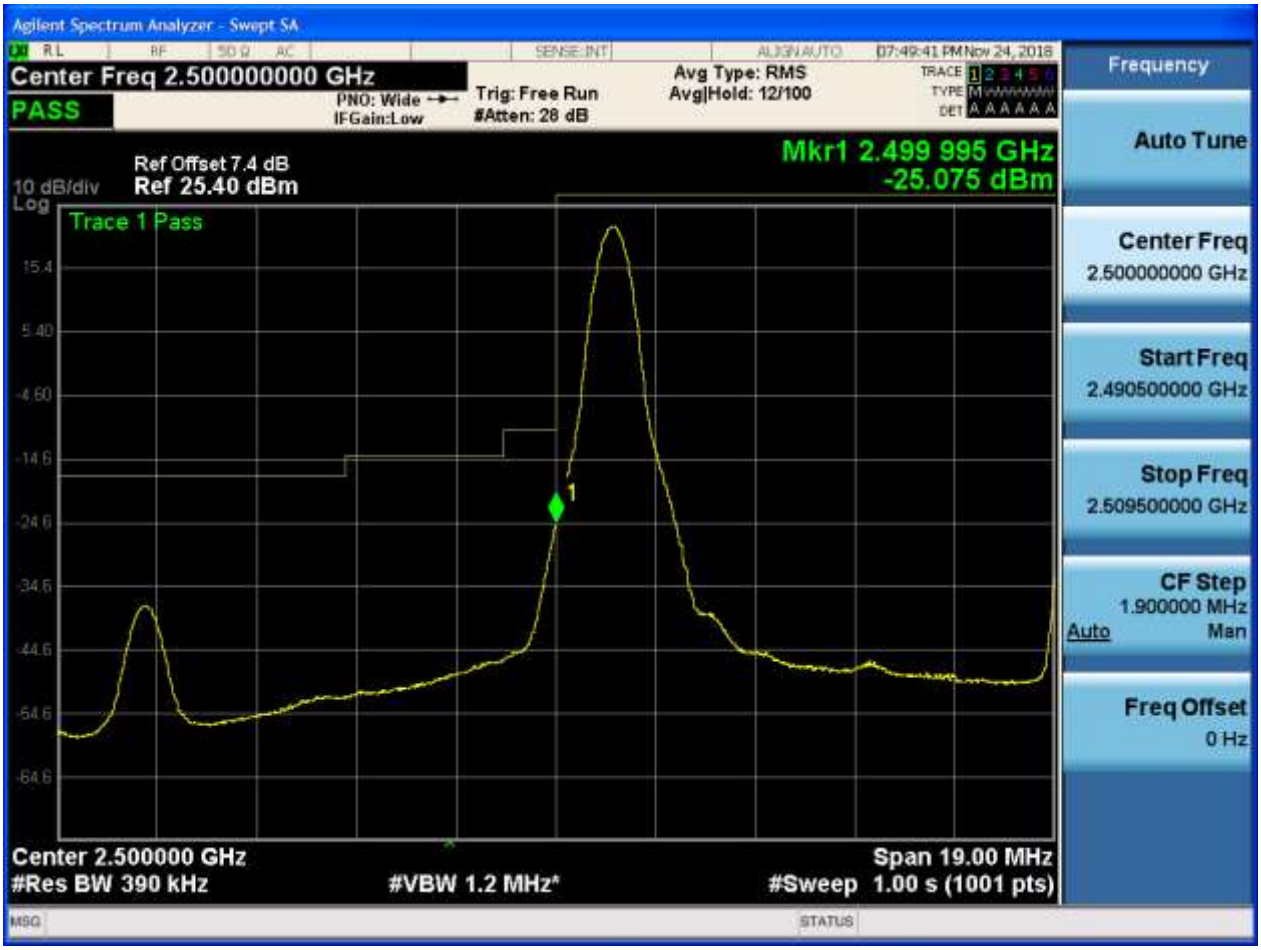
#### 5.1.1.2.3.2.3 Test RB = RB36#18

#### 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

#### 6.1.1.1.1.3 Test Channel = HCH

##### 6.1.1.1.1.3.1 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

#### 6.1.1.1.2.2 Test Channel = MCH

##### 6.1.1.1.2.2.1 Test RB = RB1#0