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# 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 |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| BAND2          | LTE/TM1   | 1.4            | LCH          | RB1#0   | 23.76         | 23.46     | 33          | PASS    |
|                |           |                |              | RB1#3   | 23.79         | 23.49     | 33          | PASS    |
|                |           |                |              | RB1#5   | 23.7          | 23.4      | 33          | PASS    |
|                |           |                |              | RB3#0   | 23.8          | 23.5      | 33          | PASS    |
|                |           |                |              | RB3#2   | 23.85         | 23.55     | 33          | PASS    |
|                |           |                |              | RB3#3   | 23.84         | 23.54     | 33          | PASS    |
|                |           |                |              | RB6#0   | 22.78         | 22.48     | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 23.42         | 23.12     | 33          | PASS    |
|                |           |                |              | RB1#3   | 23.69         | 23.39     | 33          | PASS    |
|                |           |                |              | RB1#5   | 23.31         | 23.01     | 33          | PASS    |
|                |           |                |              | RB3#0   | 23.65         | 23.35     | 33          | PASS    |
|                |           |                |              | RB3#2   | 23.9          | 23.6      | 33          | PASS    |
|                |           |                |              | RB3#3   | 23.65         | 23.35     | 33          | PASS    |
|                |           |                |              | RB6#0   | 22.71         | 22.41     | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.26         | 22.96     | 33          | PASS    |
|                |           |                |              | RB1#3   | 23.33         | 23.03     | 33          | PASS    |
|                |           |                |              | RB1#5   | 23.27         | 22.97     | 33          | PASS    |
|                |           |                |              | RB3#0   | 23.44         | 23.14     | 33          | PASS    |
|                |           |                |              | RB3#2   | 23.41         | 23.11     | 33          | PASS    |
|                |           |                |              | RB3#3   | 23.31         | 23.01     | 33          | PASS    |
|                |           |                |              | RB6#0   | 22.53         | 22.23     | 33          | PASS    |
|                |           | 3              | LCH          | RB1#0   | 23.9          | 23.6      | 33          | PASS    |
|                |           |                |              | RB1#7   | 24.14         | 23.84     | 33          | PASS    |
|                |           |                |              | RB1#14  | 23.84         | 23.54     | 33          | PASS    |
|                |           |                |              | RB8#0   | 22.83         | 22.53     | 33          | PASS    |
|                |           |                |              | RB8#4   | 22.77         | 22.47     | 33          | PASS    |
|                |           |                |              | RB8#7   | 22.8          | 22.5      | 33          | PASS    |
|                |           |                |              | RB15#0  | 22.9          | 22.6      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 23.53         | 23.23     | 33          | PASS    |
|                |           |                |              | RB1#7   | 23.8          | 23.5      | 33          | PASS    |

|  |  |    |     |         |       |       |    |      |
|--|--|----|-----|---------|-------|-------|----|------|
|  |  |    |     | RB1#14  | 23.46 | 23.16 | 33 | PASS |
|  |  |    |     | RB8#0   | 22.68 | 22.38 | 33 | PASS |
|  |  |    |     | RB8#4   | 22.63 | 22.33 | 33 | PASS |
|  |  |    |     | RB8#7   | 22.68 | 22.38 | 33 | PASS |
|  |  |    |     | RB15#0  | 22.69 | 22.39 | 33 | PASS |
|  |  |    | HCH | RB1#0   | 23.65 | 23.35 | 33 | PASS |
|  |  |    |     | RB1#7   | 23.5  | 23.2  | 33 | PASS |
|  |  |    |     | RB1#14  | 23.43 | 23.13 | 33 | PASS |
|  |  |    |     | RB8#0   | 22.55 | 22.25 | 33 | PASS |
|  |  |    |     | RB8#4   | 22.47 | 22.17 | 33 | PASS |
|  |  |    |     | RB8#7   | 22.49 | 22.19 | 33 | PASS |
|  |  |    |     | RB15#0  | 22.47 | 22.17 | 33 | PASS |
|  |  | 5  | LCH | RB1#0   | 23.76 | 23.46 | 33 | PASS |
|  |  |    |     | RB1#13  | 24.01 | 23.71 | 33 | PASS |
|  |  |    |     | RB1#24  | 23.69 | 23.39 | 33 | PASS |
|  |  |    |     | RB12#0  | 22.79 | 22.49 | 33 | PASS |
|  |  |    |     | RB12#6  | 22.87 | 22.57 | 33 | PASS |
|  |  |    |     | RB12#13 | 22.84 | 22.54 | 33 | PASS |
|  |  |    |     | RB25#0  | 22.77 | 22.47 | 33 | PASS |
|  |  |    | MCH | RB1#0   | 23.77 | 23.47 | 33 | PASS |
|  |  |    |     | RB1#13  | 23.82 | 23.52 | 33 | PASS |
|  |  |    |     | RB1#24  | 23.53 | 23.23 | 33 | PASS |
|  |  |    |     | RB12#0  | 22.69 | 22.39 | 33 | PASS |
|  |  |    |     | RB12#6  | 22.7  | 22.4  | 33 | PASS |
|  |  |    |     | RB12#13 | 22.67 | 22.37 | 33 | PASS |
|  |  |    |     | RB25#0  | 22.69 | 22.39 | 33 | PASS |
|  |  |    | HCH | RB1#0   | 23.11 | 22.81 | 33 | PASS |
|  |  |    |     | RB1#13  | 23.13 | 22.83 | 33 | PASS |
|  |  |    |     | RB1#24  | 22.94 | 22.64 | 33 | PASS |
|  |  |    |     | RB12#0  | 22.47 | 22.17 | 33 | PASS |
|  |  |    |     | RB12#6  | 22.52 | 22.22 | 33 | PASS |
|  |  |    |     | RB12#13 | 22.45 | 22.15 | 33 | PASS |
|  |  |    |     | RB25#0  | 22.49 | 22.19 | 33 | PASS |
|  |  | 10 | LCH | RB1#0   | 23.77 | 23.47 | 33 | PASS |
|  |  |    |     | RB1#25  | 24.1  | 23.8  | 33 | PASS |
|  |  |    |     | RB1#49  | 23.65 | 23.35 | 33 | PASS |
|  |  |    |     | RB25#0  | 22.84 | 22.54 | 33 | PASS |
|  |  |    |     | RB25#13 | 22.79 | 22.49 | 33 | PASS |
|  |  |    |     | RB25#25 | 22.78 | 22.48 | 33 | PASS |
|  |  |    |     | RB50#0  | 22.76 | 22.46 | 33 | PASS |
|  |  |    | MCH | RB1#0   | 23.6  | 23.3  | 33 | PASS |

|  |  |    |     |         |       |       |    |      |
|--|--|----|-----|---------|-------|-------|----|------|
|  |  |    |     | RB1#25  | 24    | 23.7  | 33 | PASS |
|  |  |    |     | RB1#49  | 23.55 | 23.25 | 33 | PASS |
|  |  |    |     | RB25#0  | 22.75 | 22.45 | 33 | PASS |
|  |  |    |     | RB25#13 | 22.72 | 22.42 | 33 | PASS |
|  |  |    |     | RB25#25 | 22.65 | 22.35 | 33 | PASS |
|  |  |    |     | RB50#0  | 22.68 | 22.38 | 33 | PASS |
|  |  |    | HCH | RB1#0   | 23.58 | 23.28 | 33 | PASS |
|  |  |    |     | RB1#25  | 23.64 | 23.34 | 33 | PASS |
|  |  |    |     | RB1#49  | 23.39 | 23.09 | 33 | PASS |
|  |  |    |     | RB25#0  | 22.64 | 22.34 | 33 | PASS |
|  |  |    |     | RB25#13 | 22.6  | 22.3  | 33 | PASS |
|  |  |    |     | RB25#25 | 22.48 | 22.18 | 33 | PASS |
|  |  |    |     | RB50#0  | 22.59 | 22.29 | 33 | PASS |
|  |  | 15 | LCH | RB1#0   | 23.75 | 23.45 | 33 | PASS |
|  |  |    |     | RB1#38  | 23.98 | 23.68 | 33 | PASS |
|  |  |    |     | RB1#74  | 23.68 | 23.38 | 33 | PASS |
|  |  |    |     | RB38#0  | 22.81 | 22.51 | 33 | PASS |
|  |  |    |     | RB38#19 | 22.75 | 22.45 | 33 | PASS |
|  |  |    |     | RB38#39 | 22.74 | 22.44 | 33 | PASS |
|  |  |    |     | RB75#0  | 22.78 | 22.48 | 33 | PASS |
|  |  |    | MCH | RB1#0   | 23.69 | 23.39 | 33 | PASS |
|  |  |    |     | RB1#38  | 23.47 | 23.17 | 33 | PASS |
|  |  |    |     | RB1#74  | 23.55 | 23.25 | 33 | PASS |
|  |  |    |     | RB38#0  | 22.69 | 22.39 | 33 | PASS |
|  |  |    |     | RB38#19 | 22.72 | 22.42 | 33 | PASS |
|  |  |    |     | RB38#39 | 22.66 | 22.36 | 33 | PASS |
|  |  |    |     | RB75#0  | 22.68 | 22.38 | 33 | PASS |
|  |  |    | HCH | RB1#0   | 23.42 | 23.12 | 33 | PASS |
|  |  |    |     | RB1#38  | 23.6  | 23.3  | 33 | PASS |
|  |  |    |     | RB1#74  | 23.41 | 23.11 | 33 | PASS |
|  |  |    |     | RB38#0  | 22.53 | 22.23 | 33 | PASS |
|  |  |    |     | RB38#19 | 22.61 | 22.31 | 33 | PASS |
|  |  |    |     | RB38#39 | 22.52 | 22.22 | 33 | PASS |
|  |  |    |     | RB75#0  | 22.53 | 22.23 | 33 | PASS |
|  |  | 20 | LCH | RB1#0   | 23.63 | 23.33 | 33 | PASS |
|  |  |    |     | RB1#50  | 23.8  | 23.5  | 33 | PASS |
|  |  |    |     | RB1#99  | 23.1  | 22.8  | 33 | PASS |
|  |  |    |     | RB50#0  | 22.74 | 22.44 | 33 | PASS |
|  |  |    |     | RB50#25 | 22.76 | 22.46 | 33 | PASS |
|  |  |    |     | RB50#50 | 22.72 | 22.42 | 33 | PASS |
|  |  |    |     | RB100#0 | 22.77 | 22.47 | 33 | PASS |

|  |             |     |     |         |       |       |    |      |
|--|-------------|-----|-----|---------|-------|-------|----|------|
|  |             |     | MCH | RB1#0   | 23.32 | 23.02 | 33 | PASS |
|  |             |     |     | RB1#50  | 23.79 | 23.49 | 33 | PASS |
|  |             |     |     | RB1#99  | 23.13 | 22.83 | 33 | PASS |
|  |             |     |     | RB50#0  | 22.74 | 22.44 | 33 | PASS |
|  |             |     |     | RB50#25 | 22.7  | 22.4  | 33 | PASS |
|  |             |     |     | RB50#50 | 22.6  | 22.3  | 33 | PASS |
|  |             |     |     | RB100#0 | 22.73 | 22.43 | 33 | PASS |
|  |             |     | HCH | RB1#0   | 23.48 | 23.18 | 33 | PASS |
|  |             |     |     | RB1#50  | 23.72 | 23.42 | 33 | PASS |
|  |             |     |     | RB1#99  | 23.36 | 23.06 | 33 | PASS |
|  |             |     |     | RB50#0  | 22.55 | 22.25 | 33 | PASS |
|  |             |     |     | RB50#25 | 22.54 | 22.24 | 33 | PASS |
|  |             |     |     | RB50#50 | 22.55 | 22.25 | 33 | PASS |
|  |             |     |     | RB100#0 | 22.54 | 22.24 | 33 | PASS |
|  | LTE/TM<br>2 | 1.4 | LCH | RB1#0   | 22.48 | 22.18 | 33 | PASS |
|  |             |     |     | RB1#3   | 22.56 | 22.26 | 33 | PASS |
|  |             |     |     | RB1#5   | 22.49 | 22.19 | 33 | PASS |
|  |             |     |     | RB3#0   | 22.67 | 22.37 | 33 | PASS |
|  |             |     |     | RB3#2   | 22.71 | 22.41 | 33 | PASS |
|  |             |     |     | RB3#3   | 22.66 | 22.36 | 33 | PASS |
|  |             |     |     | RB6#0   | 21.77 | 21.47 | 33 | PASS |
|  |             |     | MCH | RB1#0   | 22.87 | 22.57 | 33 | PASS |
|  |             |     |     | RB1#3   | 22.97 | 22.67 | 33 | PASS |
|  |             |     |     | RB1#5   | 22.98 | 22.68 | 33 | PASS |
|  |             |     |     | RB3#0   | 22.66 | 22.36 | 33 | PASS |
|  |             |     |     | RB3#2   | 22.7  | 22.4  | 33 | PASS |
|  |             |     |     | RB3#3   | 22.73 | 22.43 | 33 | PASS |
|  |             |     |     | RB6#0   | 21.73 | 21.43 | 33 | PASS |
|  |             |     | HCH | RB1#0   | 22.11 | 21.81 | 33 | PASS |
|  |             |     |     | RB1#3   | 22.02 | 21.72 | 33 | PASS |
|  |             |     |     | RB1#5   | 22    | 21.7  | 33 | PASS |
|  |             |     |     | RB3#0   | 22.58 | 22.28 | 33 | PASS |
|  |             |     |     | RB3#2   | 22.51 | 22.21 | 33 | PASS |
|  |             |     |     | RB3#3   | 22.64 | 22.34 | 33 | PASS |
|  |             |     |     | RB6#0   | 21.35 | 21.05 | 33 | PASS |
|  |             | 3   | LCH | RB1#0   | 22.47 | 22.17 | 33 | PASS |
|  |             |     |     | RB1#7   | 22.9  | 22.6  | 33 | PASS |
|  |             |     |     | RB1#14  | 22.47 | 22.17 | 33 | PASS |
|  |             |     |     | RB8#0   | 21.56 | 21.26 | 33 | PASS |
|  |             |     |     | RB8#4   | 21.53 | 21.23 | 33 | PASS |
|  |             |     |     | RB8#7   | 21.68 | 21.38 | 33 | PASS |

|  |  |    |     |         |       |       |    |      |
|--|--|----|-----|---------|-------|-------|----|------|
|  |  |    |     | RB15#0  | 21.6  | 21.3  | 33 | PASS |
|  |  |    | MCH | RB1#0   | 22.79 | 22.49 | 33 | PASS |
|  |  |    |     | RB1#7   | 22.63 | 22.33 | 33 | PASS |
|  |  |    |     | RB1#14  | 22.35 | 22.05 | 33 | PASS |
|  |  |    |     | RB8#0   | 21.52 | 21.22 | 33 | PASS |
|  |  |    |     | RB8#4   | 21.47 | 21.17 | 33 | PASS |
|  |  |    |     | RB8#7   | 21.5  | 21.2  | 33 | PASS |
|  |  |    |     | RB15#0  | 21.51 | 21.21 | 33 | PASS |
|  |  |    | HCH | RB1#0   | 22.32 | 22.02 | 33 | PASS |
|  |  |    |     | RB1#7   | 22.43 | 22.13 | 33 | PASS |
|  |  |    |     | RB1#14  | 21.95 | 21.65 | 33 | PASS |
|  |  |    |     | RB8#0   | 21.3  | 21    | 33 | PASS |
|  |  |    |     | RB8#4   | 21.3  | 21    | 33 | PASS |
|  |  |    |     | RB8#7   | 21.48 | 21.18 | 33 | PASS |
|  |  |    |     | RB15#0  | 21.53 | 21.23 | 33 | PASS |
|  |  | 5  | LCH | RB1#0   | 22.4  | 22.1  | 33 | PASS |
|  |  |    |     | RB1#13  | 22.46 | 22.16 | 33 | PASS |
|  |  |    |     | RB1#24  | 22.11 | 21.81 | 33 | PASS |
|  |  |    |     | RB12#0  | 21.48 | 21.18 | 33 | PASS |
|  |  |    |     | RB12#6  | 21.67 | 21.37 | 33 | PASS |
|  |  |    |     | RB12#13 | 21.71 | 21.41 | 33 | PASS |
|  |  |    |     | RB25#0  | 21.73 | 21.43 | 33 | PASS |
|  |  |    | MCH | RB1#0   | 22.15 | 21.85 | 33 | PASS |
|  |  |    |     | RB1#13  | 22.1  | 21.8  | 33 | PASS |
|  |  |    |     | RB1#24  | 21.92 | 21.62 | 33 | PASS |
|  |  |    |     | RB12#0  | 21.4  | 21.1  | 33 | PASS |
|  |  |    |     | RB12#6  | 21.45 | 21.15 | 33 | PASS |
|  |  |    |     | RB12#13 | 21.38 | 21.08 | 33 | PASS |
|  |  |    |     | RB25#0  | 21.68 | 21.38 | 33 | PASS |
|  |  |    | HCH | RB1#0   | 22.61 | 22.31 | 33 | PASS |
|  |  |    |     | RB1#13  | 22.54 | 22.24 | 33 | PASS |
|  |  |    |     | RB1#24  | 22.53 | 22.23 | 33 | PASS |
|  |  |    |     | RB12#0  | 21.52 | 21.22 | 33 | PASS |
|  |  |    |     | RB12#6  | 21.56 | 21.26 | 33 | PASS |
|  |  |    |     | RB12#13 | 21.37 | 21.07 | 33 | PASS |
|  |  |    |     | RB25#0  | 21.28 | 20.98 | 33 | PASS |
|  |  | 10 | LCH | RB1#0   | 22.8  | 22.5  | 33 | PASS |
|  |  |    |     | RB1#25  | 22.95 | 22.65 | 33 | PASS |
|  |  |    |     | RB1#49  | 22.58 | 22.28 | 33 | PASS |
|  |  |    |     | RB25#0  | 21.76 | 21.46 | 33 | PASS |
|  |  |    |     | RB25#13 | 21.81 | 21.51 | 33 | PASS |

|  |  |    |     |         |       |       |    |      |
|--|--|----|-----|---------|-------|-------|----|------|
|  |  |    |     | RB25#25 | 21.82 | 21.52 | 33 | PASS |
|  |  |    |     | RB50#0  | 21.6  | 21.3  | 33 | PASS |
|  |  |    | MCH | RB1#0   | 22.5  | 22.2  | 33 | PASS |
|  |  |    |     | RB1#25  | 22.97 | 22.67 | 33 | PASS |
|  |  |    |     | RB1#49  | 22.46 | 22.16 | 33 | PASS |
|  |  |    |     | RB25#0  | 21.82 | 21.52 | 33 | PASS |
|  |  |    |     | RB25#13 | 21.74 | 21.44 | 33 | PASS |
|  |  |    |     | RB25#25 | 21.69 | 21.39 | 33 | PASS |
|  |  |    |     | RB50#0  | 21.64 | 21.34 | 33 | PASS |
|  |  |    | HCH | RB1#0   | 22.24 | 21.94 | 33 | PASS |
|  |  |    |     | RB1#25  | 22.28 | 21.98 | 33 | PASS |
|  |  |    |     | RB1#49  | 21.95 | 21.65 | 33 | PASS |
|  |  |    |     | RB25#0  | 21.87 | 21.57 | 33 | PASS |
|  |  |    |     | RB25#13 | 21.74 | 21.44 | 33 | PASS |
|  |  |    |     | RB25#25 | 21.57 | 21.27 | 33 | PASS |
|  |  |    |     | RB50#0  | 21.6  | 21.3  | 33 | PASS |
|  |  | 15 | LCH | RB1#0   | 22.87 | 22.57 | 33 | PASS |
|  |  |    |     | RB1#38  | 22.82 | 22.52 | 33 | PASS |
|  |  |    |     | RB1#74  | 22.74 | 22.44 | 33 | PASS |
|  |  |    |     | RB38#0  | 21.88 | 21.58 | 33 | PASS |
|  |  |    |     | RB38#19 | 21.88 | 21.58 | 33 | PASS |
|  |  |    |     | RB38#39 | 21.62 | 21.32 | 33 | PASS |
|  |  |    |     | RB75#0  | 21.73 | 21.43 | 33 | PASS |
|  |  |    | MCH | RB1#0   | 22.73 | 22.43 | 33 | PASS |
|  |  |    |     | RB1#38  | 22.85 | 22.55 | 33 | PASS |
|  |  |    |     | RB1#74  | 22.32 | 22.02 | 33 | PASS |
|  |  |    |     | RB38#0  | 21.68 | 21.38 | 33 | PASS |
|  |  |    |     | RB38#19 | 21.71 | 21.41 | 33 | PASS |
|  |  |    |     | RB38#39 | 21.39 | 21.09 | 33 | PASS |
|  |  |    |     | RB75#0  | 21.54 | 21.24 | 33 | PASS |
|  |  |    | HCH | RB1#0   | 21.96 | 21.66 | 33 | PASS |
|  |  |    |     | RB1#38  | 22.65 | 22.35 | 33 | PASS |
|  |  |    |     | RB1#74  | 21.85 | 21.55 | 33 | PASS |
|  |  |    |     | RB38#0  | 21.53 | 21.23 | 33 | PASS |
|  |  |    |     | RB38#19 | 21.61 | 21.31 | 33 | PASS |
|  |  |    |     | RB38#39 | 21.44 | 21.14 | 33 | PASS |
|  |  |    |     | RB75#0  | 21.61 | 21.31 | 33 | PASS |
|  |  | 20 | LCH | RB1#0   | 22.56 | 22.26 | 33 | PASS |
|  |  |    |     | RB1#50  | 22.96 | 22.66 | 33 | PASS |
|  |  |    |     | RB1#99  | 22.58 | 22.28 | 33 | PASS |
|  |  |    |     | RB50#0  | 21.77 | 21.47 | 33 | PASS |

|  |  |  |     |         |       |       |    |      |
|--|--|--|-----|---------|-------|-------|----|------|
|  |  |  |     | RB50#25 | 21.78 | 21.48 | 33 | PASS |
|  |  |  |     | RB50#50 | 21.67 | 21.37 | 33 | PASS |
|  |  |  |     | RB100#0 | 21.64 | 21.34 | 33 | PASS |
|  |  |  | MCH | RB1#0   | 22.36 | 22.06 | 33 | PASS |
|  |  |  |     | RB1#50  | 22.61 | 22.31 | 33 | PASS |
|  |  |  |     | RB1#99  | 22.14 | 21.84 | 33 | PASS |
|  |  |  |     | RB50#0  | 21.59 | 21.29 | 33 | PASS |
|  |  |  |     | RB50#25 | 21.64 | 21.34 | 33 | PASS |
|  |  |  |     | RB50#50 | 21.56 | 21.26 | 33 | PASS |
|  |  |  |     | RB100#0 | 21.59 | 21.29 | 33 | PASS |
|  |  |  | HCH | RB1#0   | 22.47 | 22.17 | 33 | PASS |
|  |  |  |     | RB1#50  | 23.19 | 22.89 | 33 | PASS |
|  |  |  |     | RB1#99  | 22.45 | 22.15 | 33 | PASS |
|  |  |  |     | RB50#0  | 21.59 | 21.29 | 33 | PASS |
|  |  |  |     | RB50#25 | 21.67 | 21.37 | 33 | PASS |
|  |  |  |     | RB50#50 | 21.62 | 21.32 | 33 | PASS |
|  |  |  |     | RB100#0 | 21.6  | 21.3  | 33 | PASS |

Note1:

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

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

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

b, SGP = Signal Generator Level

Note2:

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

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

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

SET Sweep time = auto - couple.

Detector: RMS

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

### Part I - Test Results

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| BAND2              | LTE/TM1   | 1.4                  | LCH          | RB1#0   | 4.36         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.33         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.77         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.79         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.66         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.66         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.58         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.83         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.63         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.72         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.47         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.34         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.41         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.34         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.46         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.38         | 13         | PASS    |
|                    |           | 3                    | LCH          | RB1#0   | 4.65         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.6          | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.19         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.17         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.24         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.72         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.59         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.46         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#14  | 4.59         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.06         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5            | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.22         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.8          | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.49         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.28         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.37         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.06         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.34         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.36         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.49         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.16         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.09         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.34         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.5          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.49         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.53         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.1          | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.01         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 4.98         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.5          | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.56         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.6          | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.16         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.01         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.08         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.5          | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.6          | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.49         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.2          | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.1          | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.12         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB50#0  | 6.04         | 13         | PASS    |
|                    |           |                      |              | RB1#0   | 4.53         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#25  | 4.52         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.61         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.09         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.23         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.2          | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.31         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.3          | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.49         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.04         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.05         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.91         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.46         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.16         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.1          | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.78         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.58         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.55         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.17         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.07         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.2          | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.74         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.4          | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.26         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.52         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 4.98         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 4.91         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.02         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.71         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.67         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.46         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.5          | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB50#0  | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.06         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.98         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.55         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.52         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.63         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.19         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.21         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.26         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6            | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.52         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.18         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.58         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 4.93         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.98         | 13         | PASS    |
|                    | LTE/TM2   | 1.4                  | LCH          | RB1#0   | 5.5          | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.59         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.77         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.72         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.1          | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.6          | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.09         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.19         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.28         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.54         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.38         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.37         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           | 3                    | LCH          | RB1#0   | 5.32         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.43         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.81         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.43         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.4          | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.3          | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.45         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.94         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.81         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.87         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.18         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.44         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.3          | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.48         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 6            | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 6            | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.32         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 5.52         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.01         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.94         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.96         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.39         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.53         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.63         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.01         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.9          | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.39         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.06         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.98         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           | 10                   |              | RB12#6  | 5.98         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.97         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.52         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.48         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.61         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.22         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.17         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.27         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.71         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.62         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.71         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.04         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.03         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.72         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.22         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.33         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.91         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.01         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.98         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.18         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 5.75         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.45         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.54         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.26         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.11         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.12         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.54         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.1          | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.05         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.17         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.21         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.16         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.24         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.54         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.17         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#38  | 5.1          | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.38         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.9          | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.91         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.09         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.34         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 5.1          | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.96         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.05         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.23         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.95         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.04         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.63         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.2          | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.26         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.17         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.15         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.22         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.31         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.22         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.1          | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.89         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.78         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

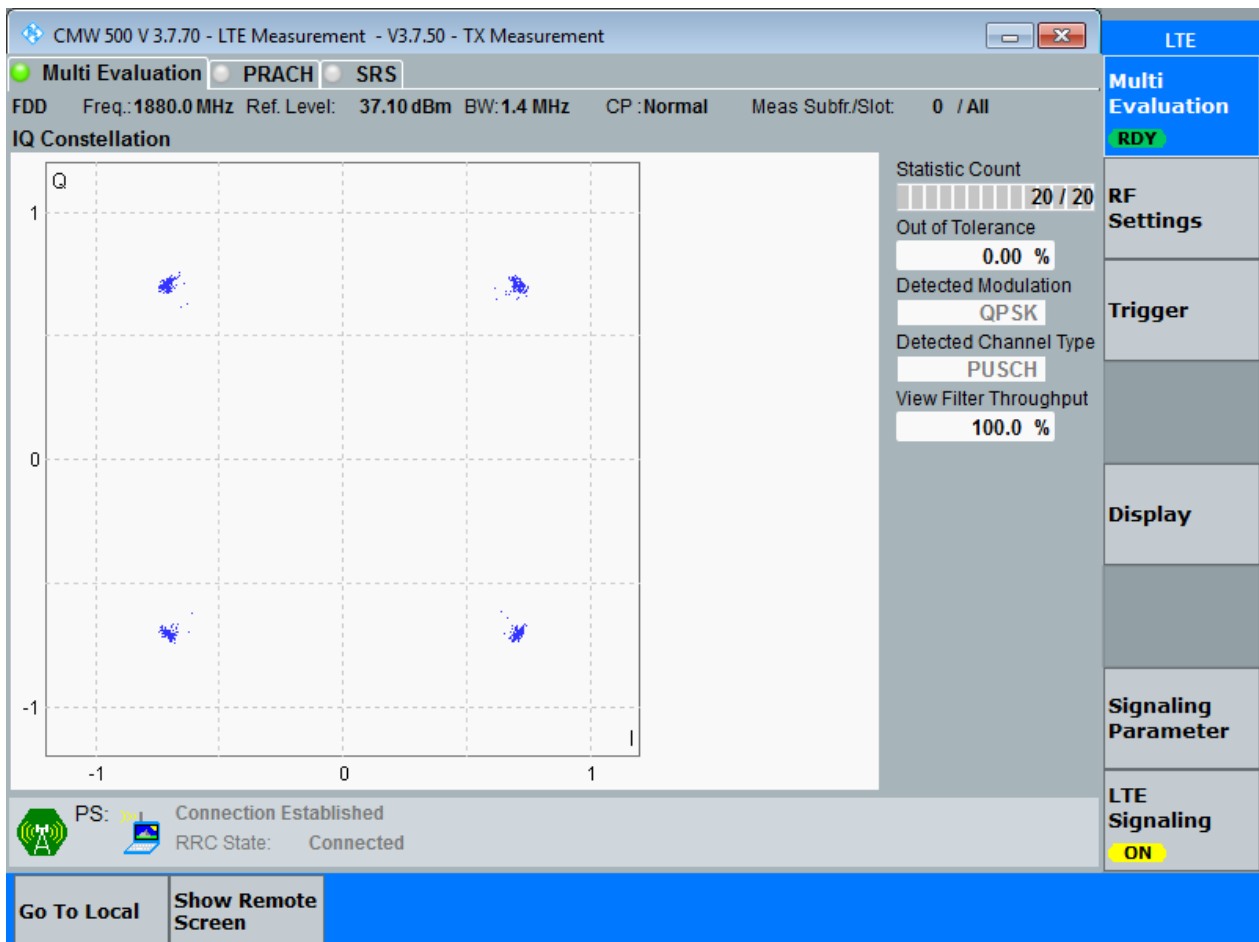
##### 3.1.1 Test Band = BAND2

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

##### 3.1.1.1.1 Test Bandwidth = 1.4

##### 3.1.1.1.1.1 Test Channel = MCH

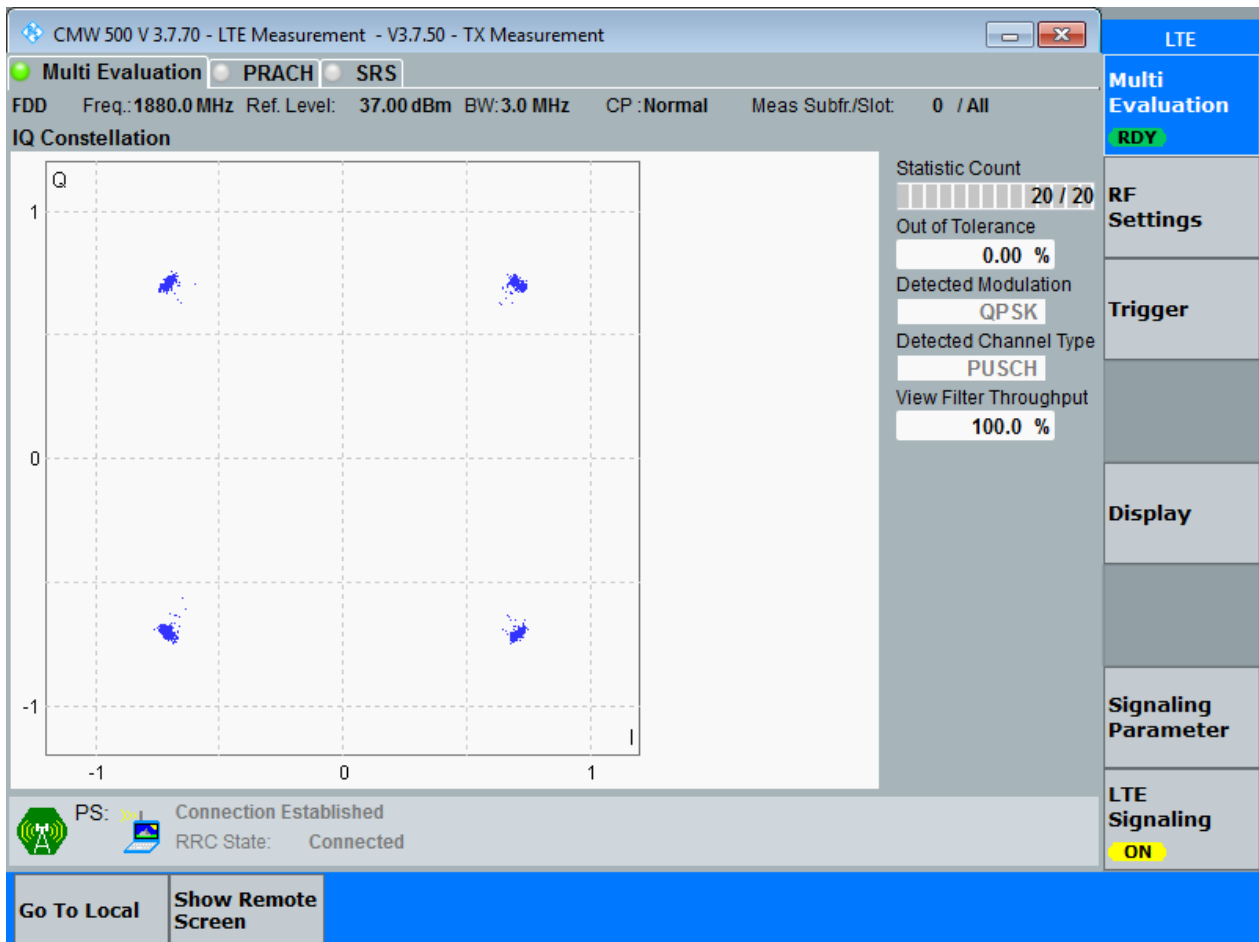
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

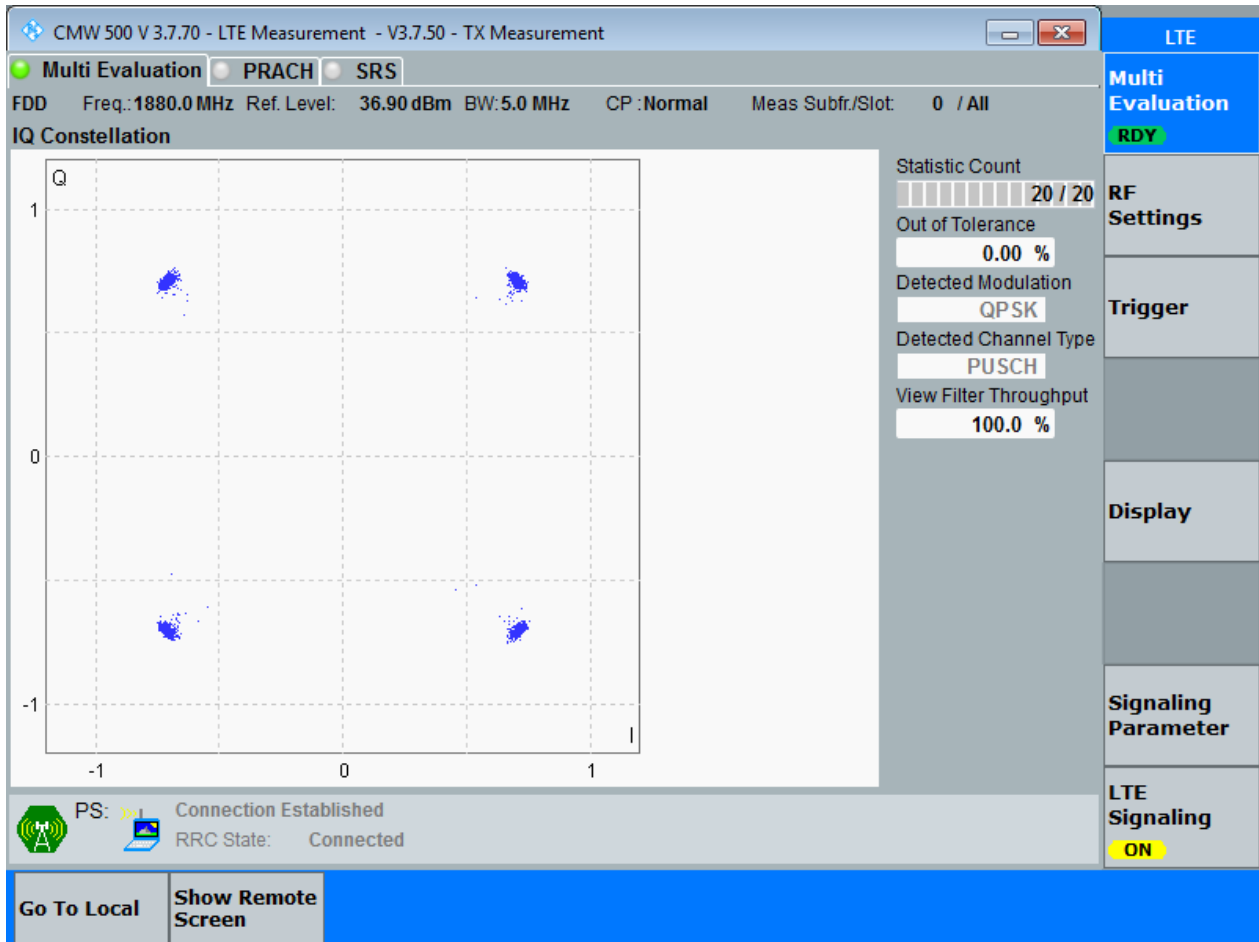
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

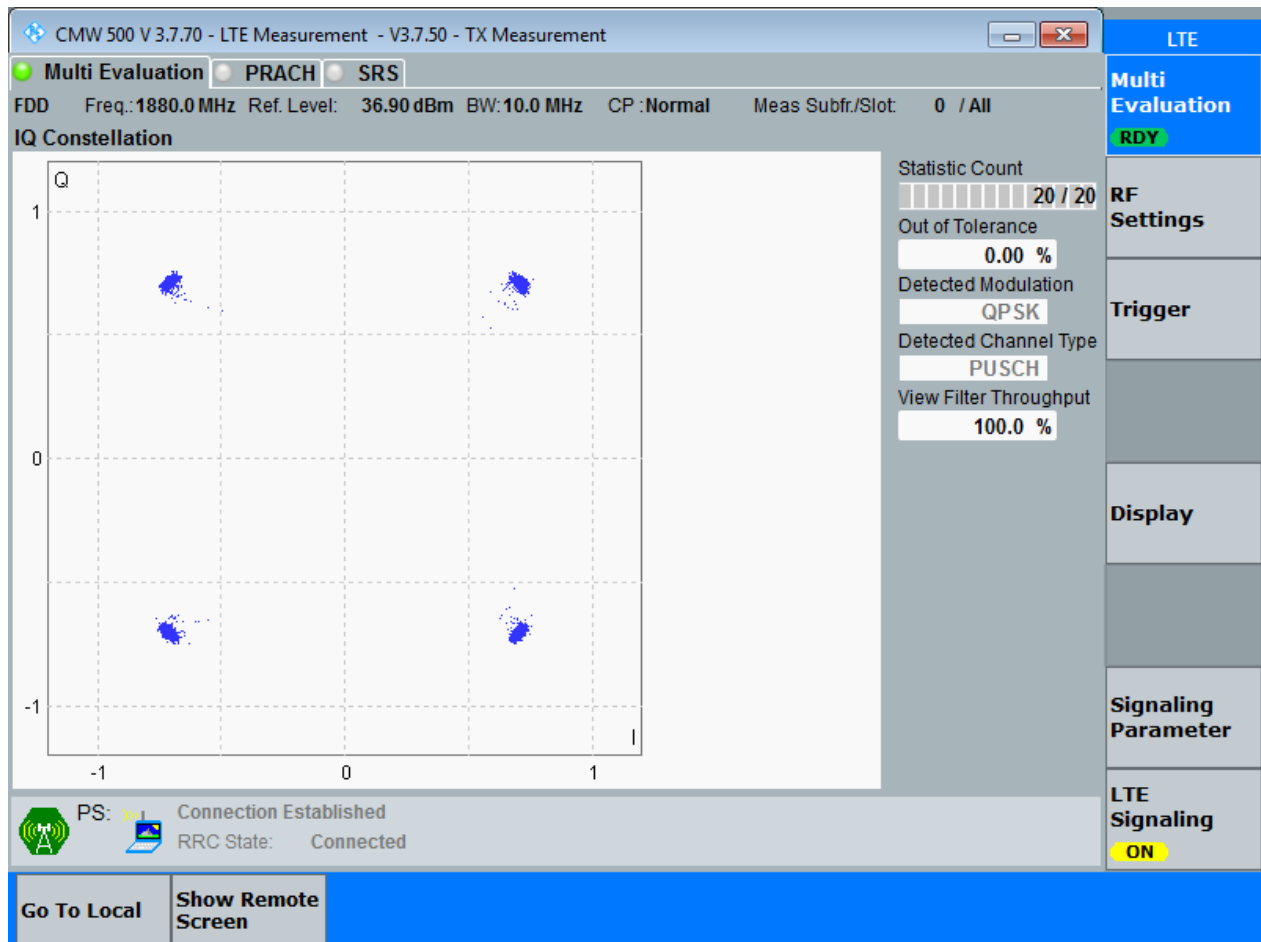
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

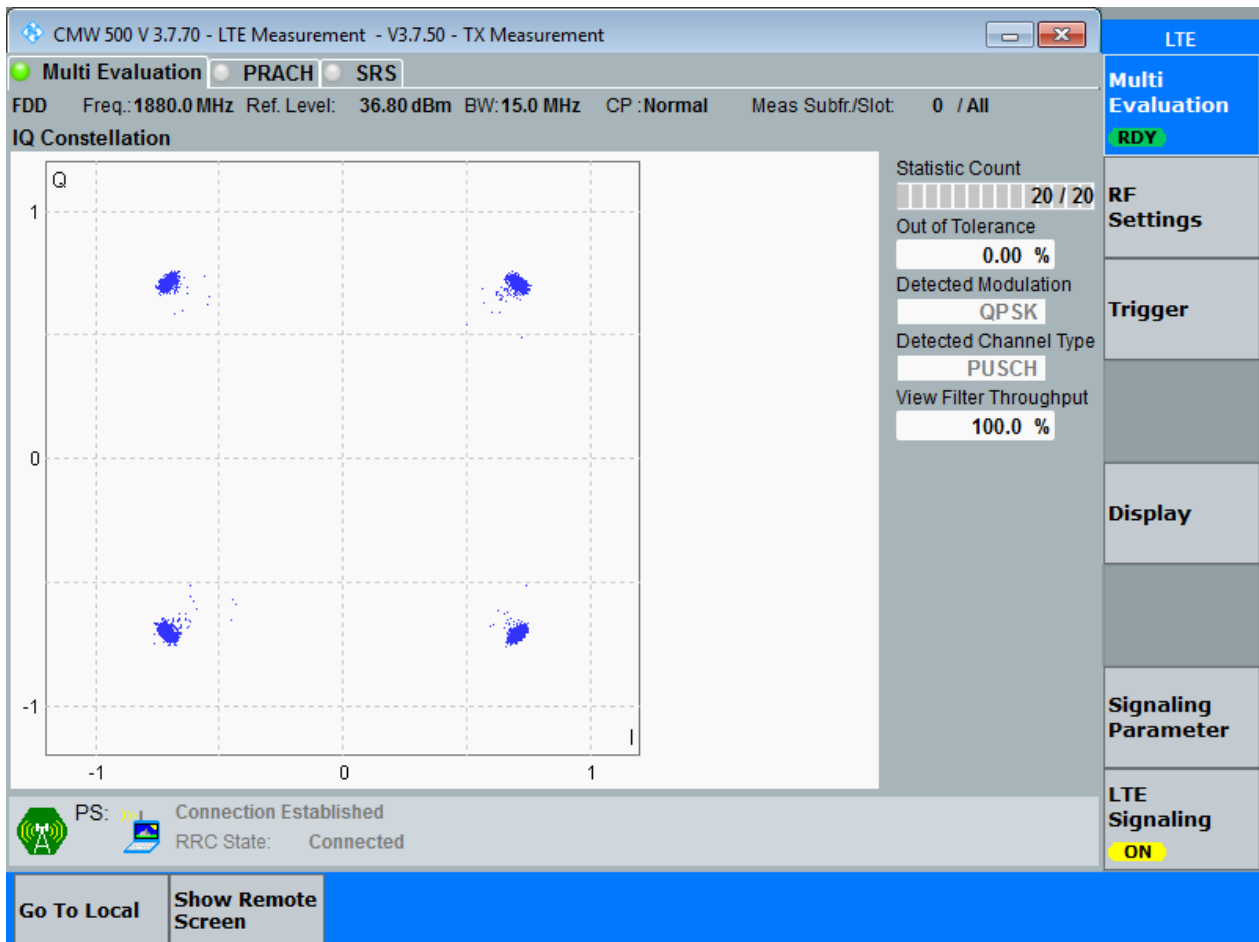
##### 3.1.1.1.4.1.1 Test RB = RB50#0



### 3.1.1.1.5 Test Bandwidth = 15

#### 3.1.1.1.5.1 Test Channel = MCH

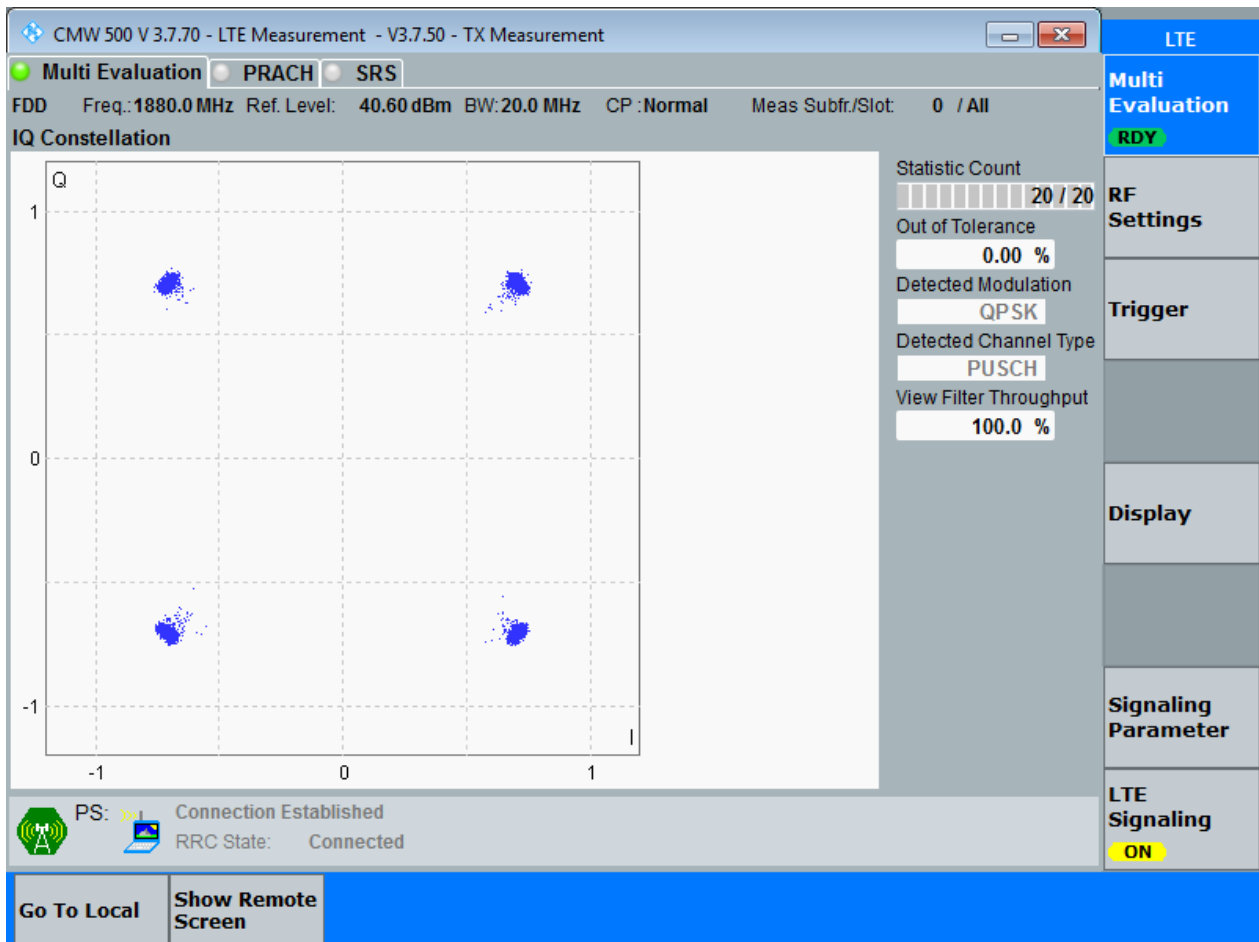
##### 3.1.1.1.5.1.1 Test RB = RB75#0



### 3.1.1.1.6 Test Bandwidth = 20

#### 3.1.1.1.6.1 Test Channel = MCH

##### 3.1.1.1.6.1.1 Test RB = RB100#0

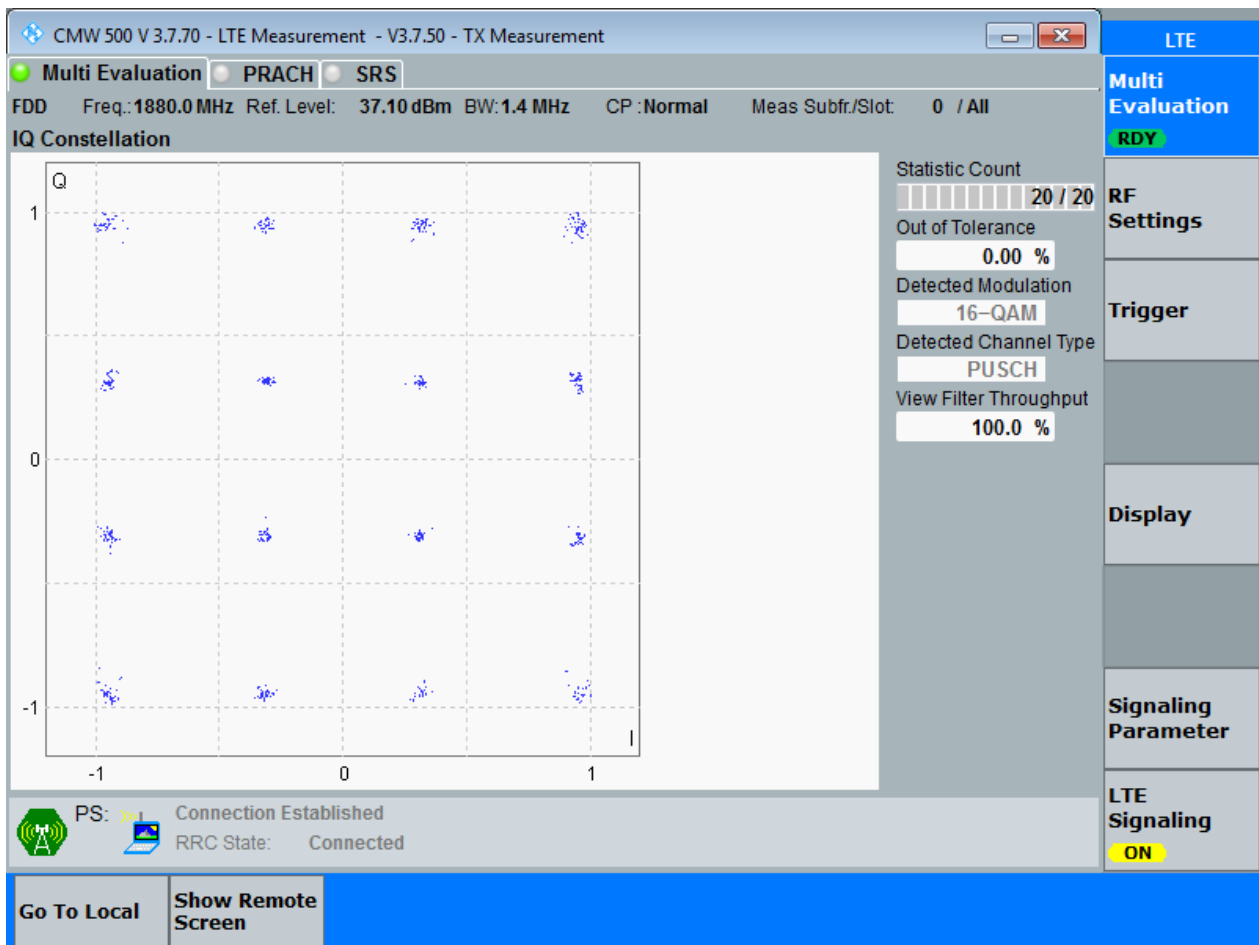


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 1.4

##### 3.1.1.2.1.1 Test Channel = MCH

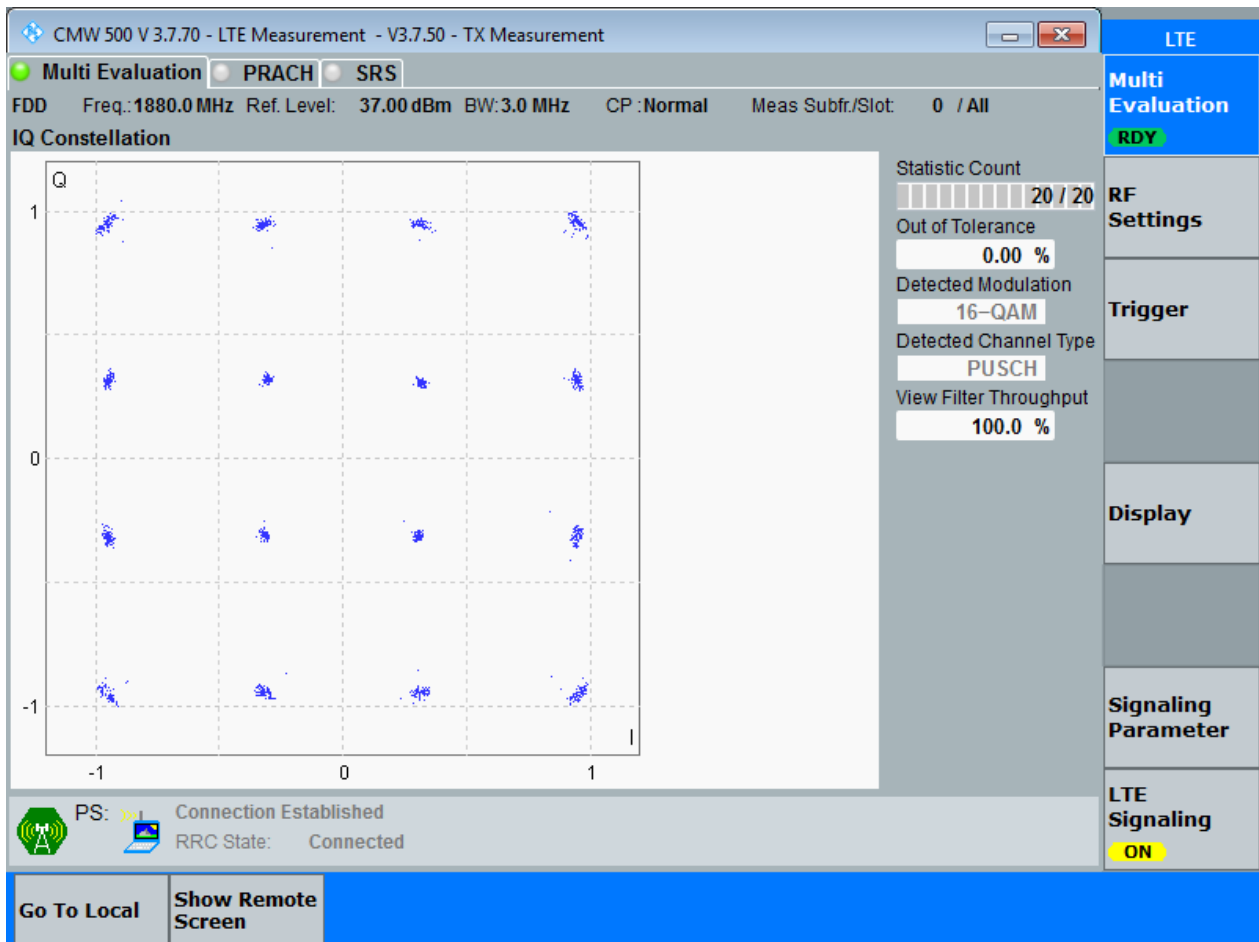
##### 3.1.1.2.1.1.1 Test RB = RB6#0



### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

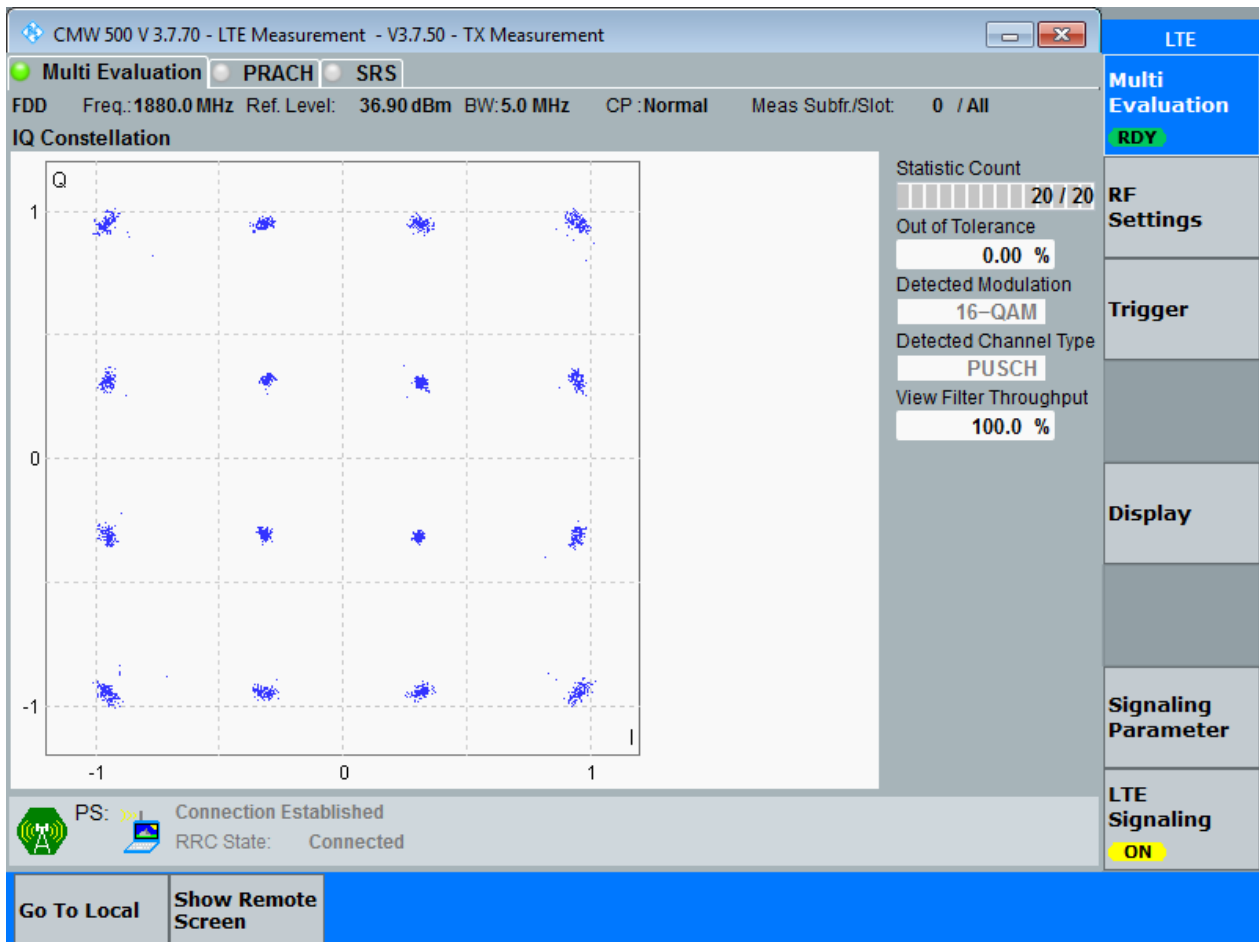
##### 3.1.1.2.2.1.1 Test RB = RB15#0



### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

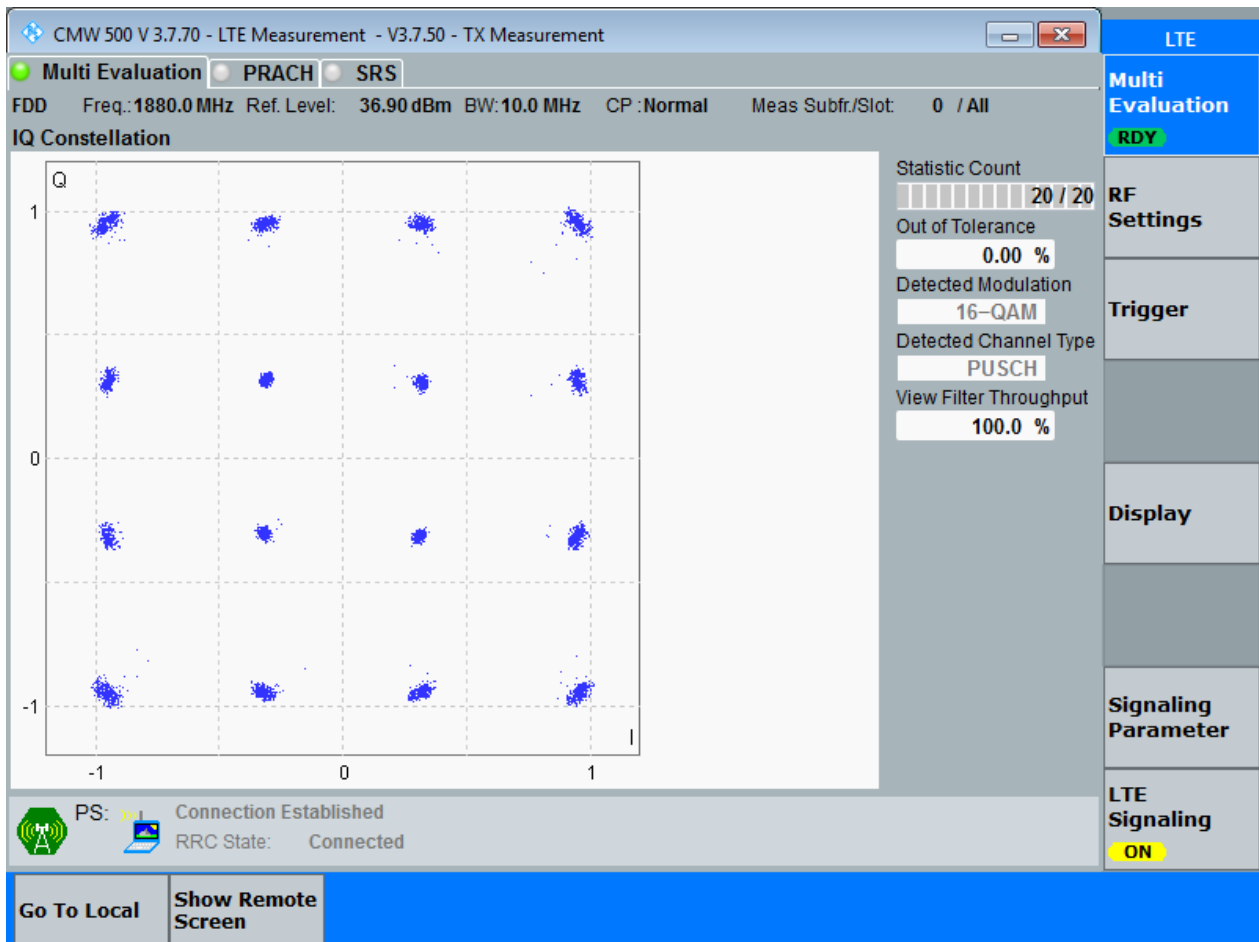
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

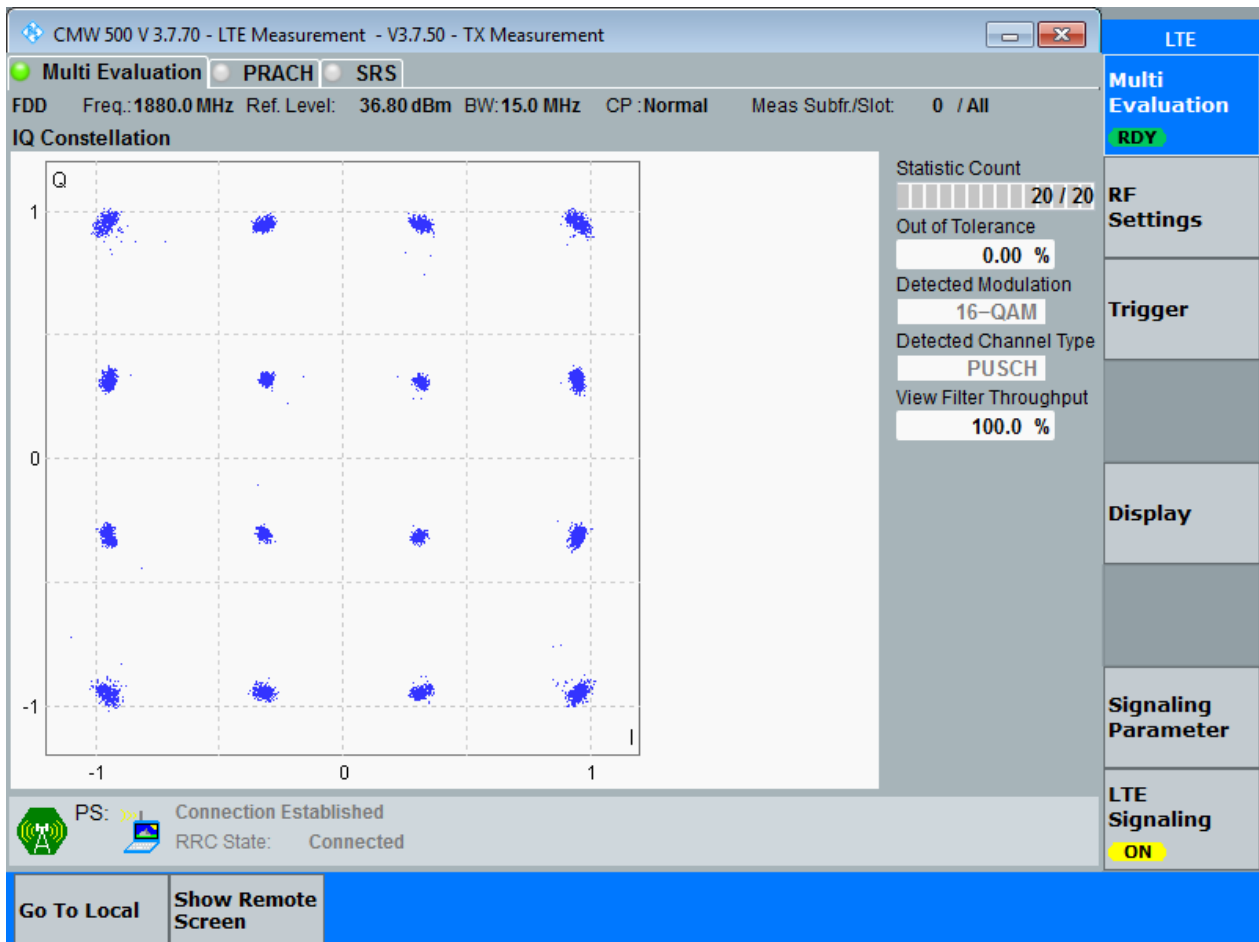
##### 3.1.1.2.4.1.1 Test RB = RB50#0



### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

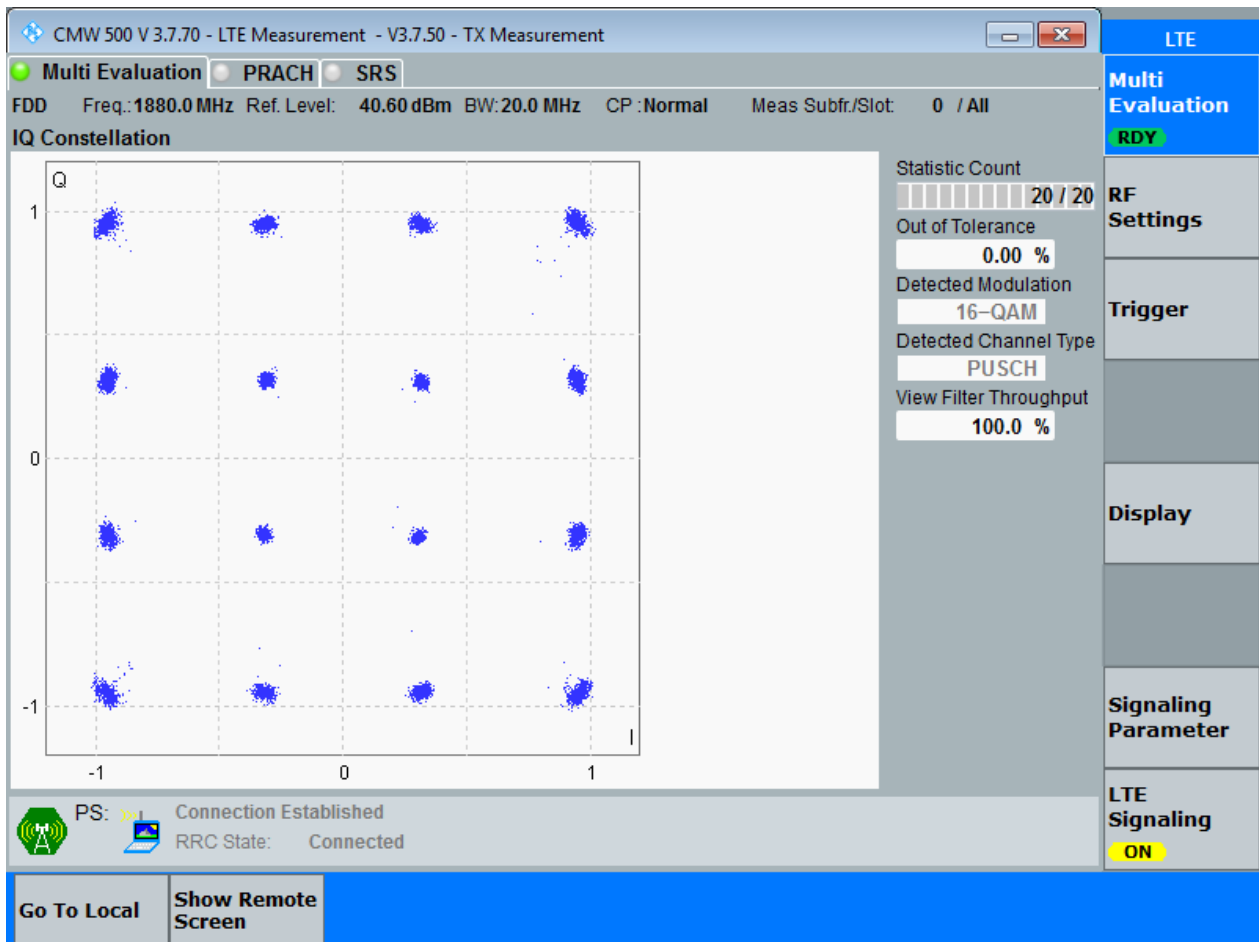
##### 3.1.1.2.5.1.1 Test RB = RB75#0



### 3.1.1.2.6 Test Bandwidth = 20

#### 3.1.1.2.6.1 Test Channel = MCH

##### 3.1.1.2.6.1.1 Test RB = RB100#0



## 4Appendix\_D: Bandwidth

### Part I - Test Results

| Test Band | Test Mode | Test Bandwidth | Test Channel | Test RB | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| BAND2     | LTE/TM1   | 1.4            | LCH          | RB6#0   | 1.09                     | 1.29                     | Pass    |
|           |           |                | MCH          | RB6#0   | 1.09                     | 1.26                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.09                     | 1.29                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.70                     | 3.01                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.71                     | 3.25                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.71                     | 3                        | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.51                     | 5.02                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.49                     | 5.01                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 5.01                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.98                     | 9.92                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.96                     | 9.89                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.98                     | 9.87                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.44                    | 14.70                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.43                    | 14.68                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.42                    | 14.65                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.89                    | 19.39                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.92                    | 19.47                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.91                    | 19.40                    | Pass    |
|           | LTE/TM2   | 1.4            | LCH          | RB6#0   | 1.10                     | 1.31                     | Pass    |
|           |           |                | MCH          | RB6#0   | 1.09                     | 1.30                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.09                     | 1.29                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.71                     | 3.01                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.70                     | 3.01                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.70                     | 3.01                     | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.51                     | 5.02                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.49                     | 4.97                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 5.00                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.97                     | 9.89                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.99                     | 9.89                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.96                     | 9.91                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.42                    | 14.73                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.40                    | 14.67                    | Pass    |



| Test Band | Test Mode | Test Bandwidth | Test Channel | Test RB | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
|           |           |                | HCH          | RB75#0  | 13.41                    | 14.71                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.93                    | 19.51                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.89                    | 19.49                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.86                    | 19.39                    | Pass    |

## Part II - Test Plots

### 4.1 For LTE

#### 4.1.1 Test Band = BAND2

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

##### 4.1.1.1.1 Test Bandwidth = 1.4

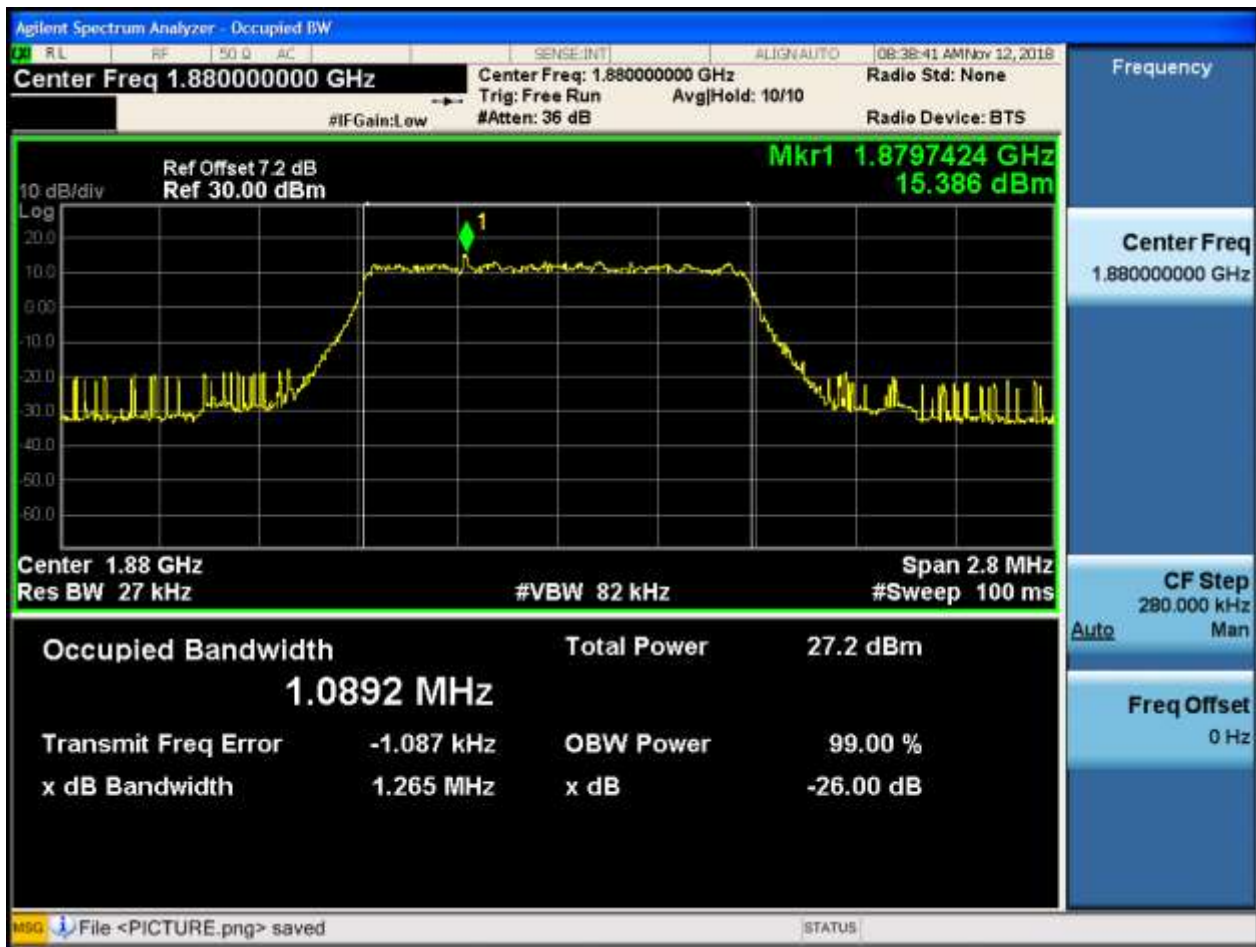
##### 4.1.1.1.1.1 Test Channel = LCH

##### 4.1.1.1.1.1.1 Test RB = RB6#0



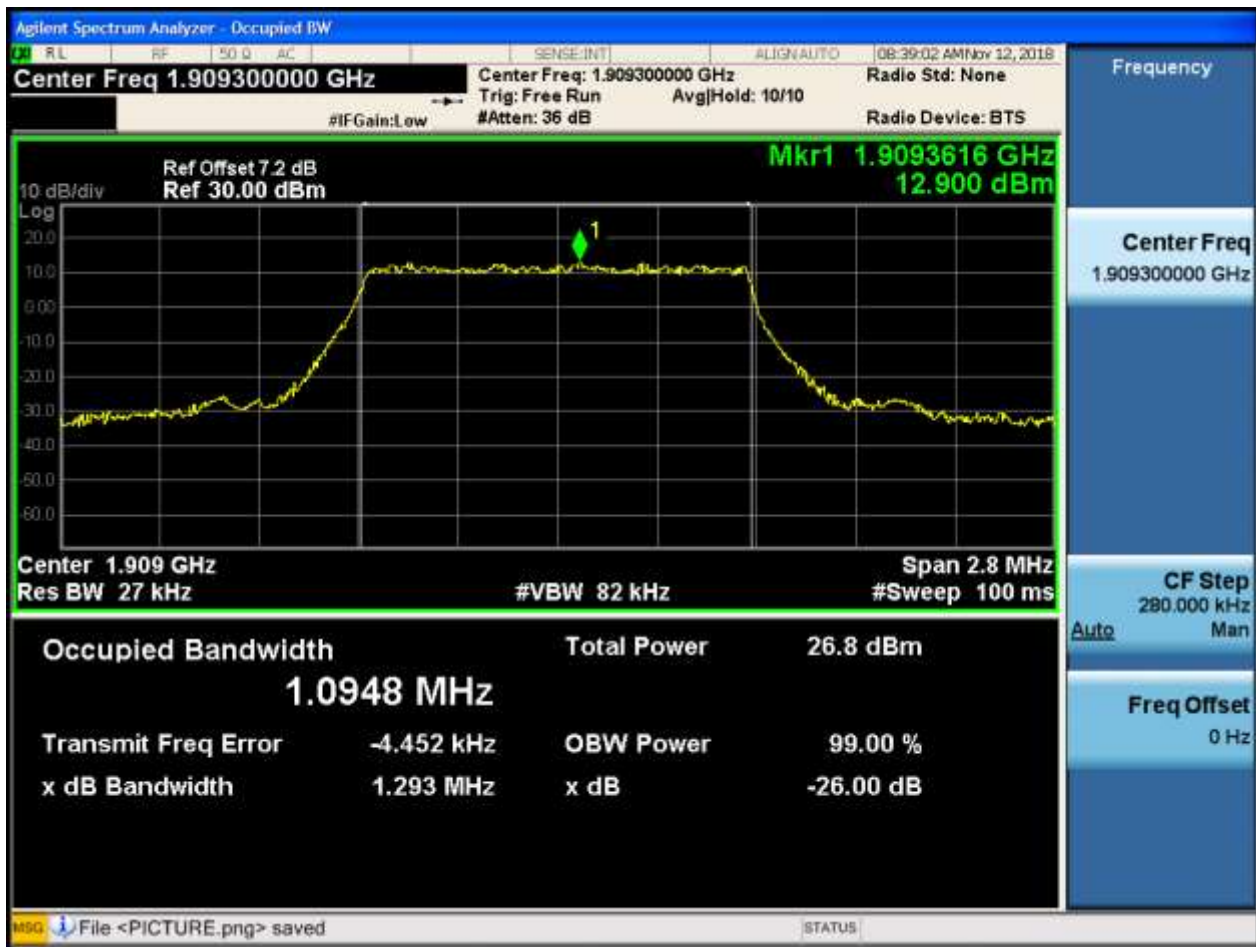
#### 4.1.1.1.1.2 Test Channel = MCH

##### 4.1.1.1.1.2.1 Test RB = RB6#0



#### 4.1.1.1.1.3 Test Channel = HCH

##### 4.1.1.1.1.3.1 Test RB = RB6#0



#### 4.1.1.1.2 Test Bandwidth = 3

##### 4.1.1.1.2.1 Test Channel = LCH

##### 4.1.1.1.2.1.1 Test RB = RB15#0



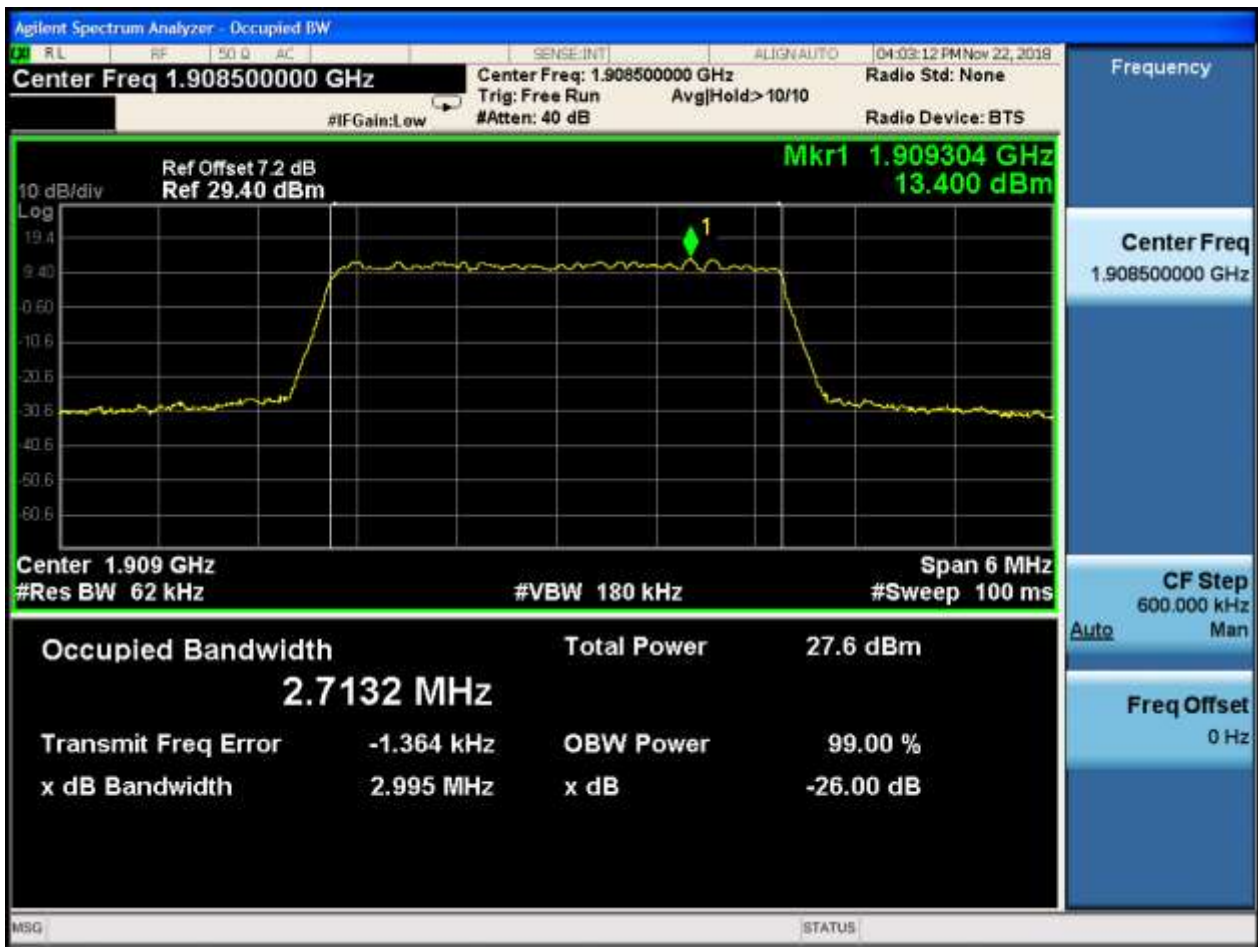
#### 4.1.1.1.2.2 Test Channel = MCH

##### 4.1.1.1.2.2.1 Test RB = RB15#0



#### 4.1.1.1.2.3 Test Channel = HCH

##### 4.1.1.1.2.3.1 Test RB = RB15#0



#### 4.1.1.1.3 Test Bandwidth = 5

##### 4.1.1.1.3.1 Test Channel = LCH

##### 4.1.1.1.3.1.1 Test RB = RB25#0



#### 4.1.1.1.3.2 Test Channel = MCH

##### 4.1.1.1.3.2.1 Test RB = RB25#0



#### 4.1.1.1.3.3 Test Channel = HCH

##### 4.1.1.1.3.3.1 Test RB = RB25#0



#### 4.1.1.1.4 Test Bandwidth = 10

##### 4.1.1.1.4.1 Test Channel = LCH

##### 4.1.1.1.4.1.1 Test RB = RB50#0



#### 4.1.1.1.4.2 Test Channel = MCH

##### 4.1.1.1.4.2.1 Test RB = RB50#0



#### 4.1.1.1.4.3 Test Channel = HCH

##### 4.1.1.1.4.3.1 Test RB = RB50#0



#### 4.1.1.1.5 Test Bandwidth = 15

##### 4.1.1.1.5.1 Test Channel = LCH

##### 4.1.1.1.5.1.1 Test RB = RB75#0



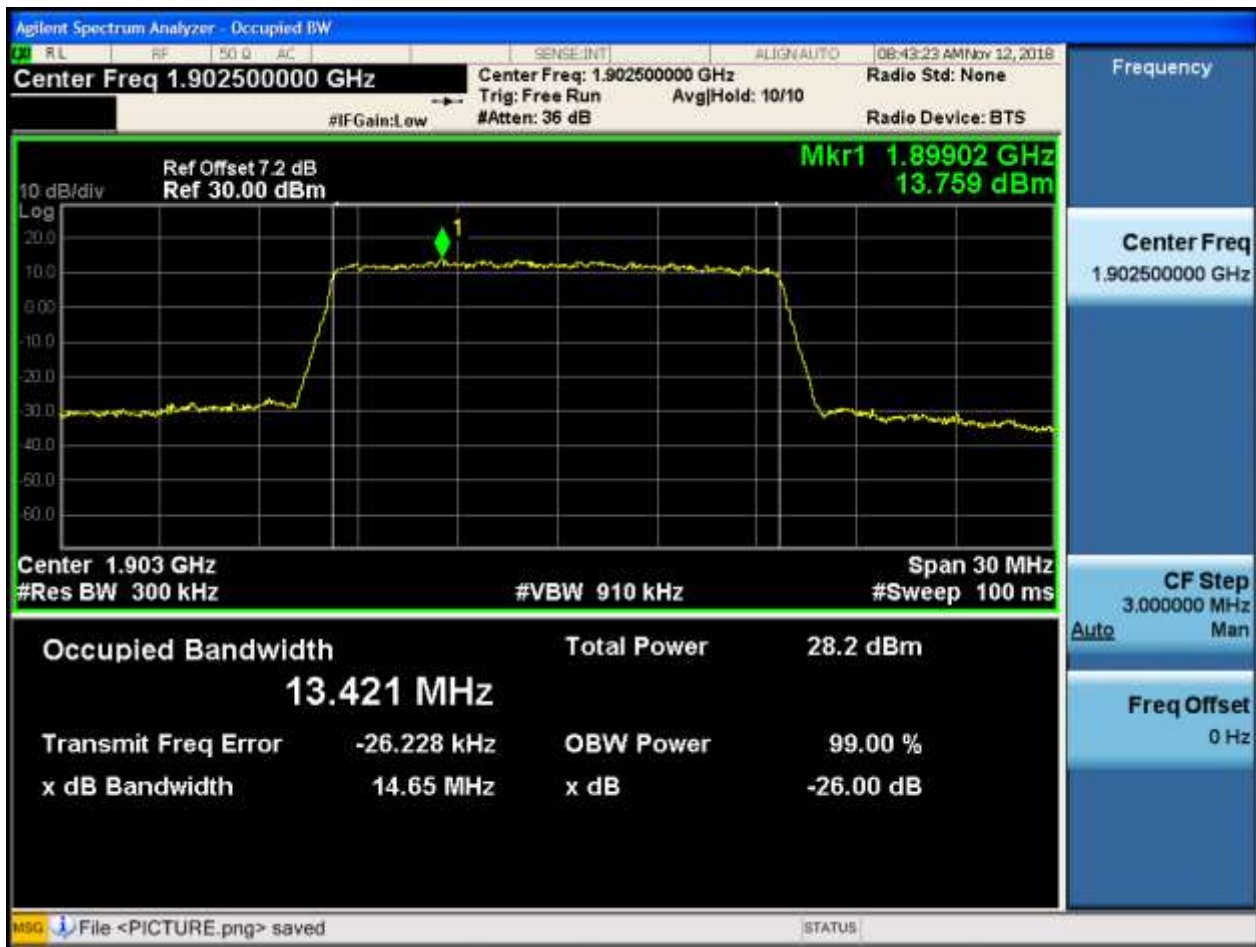
#### 4.1.1.1.5.2 Test Channel = MCH

##### 4.1.1.1.5.2.1 Test RB = RB75#0



#### 4.1.1.1.5.3 Test Channel = HCH

##### 4.1.1.1.5.3.1 Test RB = RB75#0



#### 4.1.1.1.6 Test Bandwidth = 20

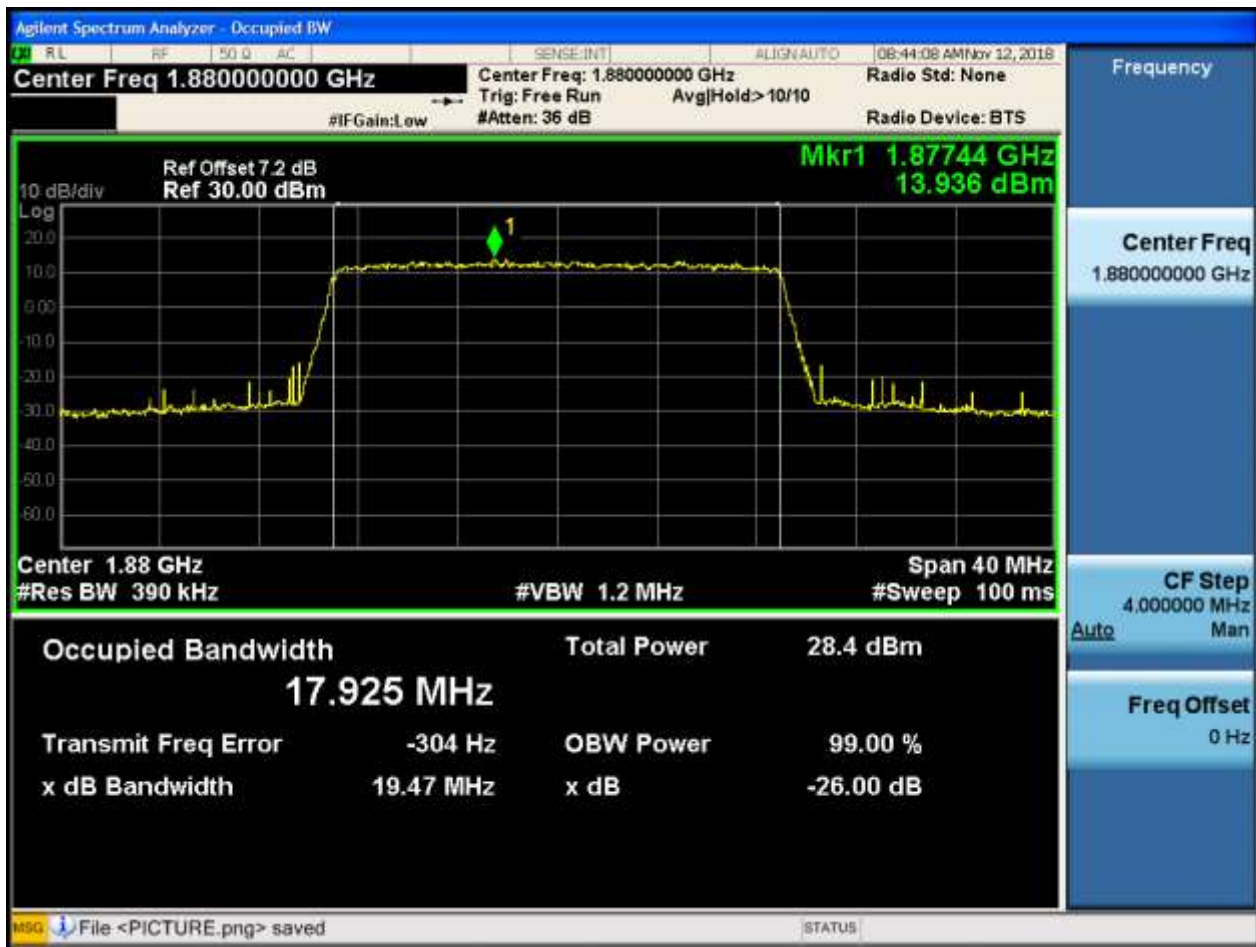
##### 4.1.1.1.6.1 Test Channel = LCH

##### 4.1.1.1.6.1.1 Test RB = RB100#0



#### 4.1.1.1.6.2 Test Channel = MCH

##### 4.1.1.1.6.2.1 Test RB = RB100#0



#### 4.1.1.1.6.3 Test Channel = HCH

##### 4.1.1.1.6.3.1 Test RB = RB100#0



#### 4.1.1.2 Test Mode = LTE/TM2

##### 4.1.1.2.1 Test Bandwidth = 1.4

##### 4.1.1.2.1.1 Test Channel = LCH

##### 4.1.1.2.1.1.1 Test RB = RB6#0



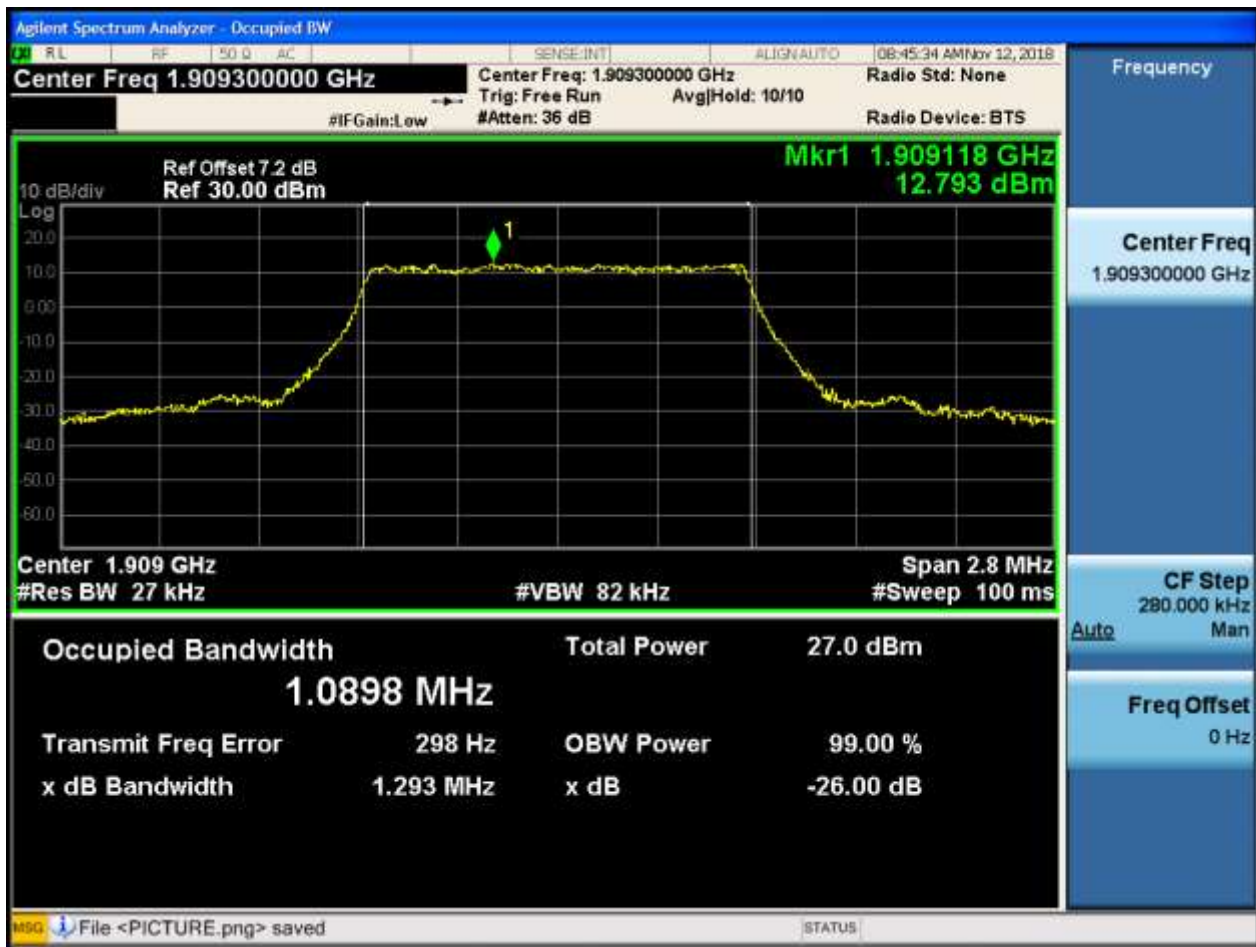
#### 4.1.1.2.1.2 Test Channel = MCH

##### 4.1.1.2.1.2.1 Test RB = RB6#0



#### 4.1.1.2.1.3 Test Channel = HCH

##### 4.1.1.2.1.3.1 Test RB = RB6#0



#### 4.1.1.2.2 Test Bandwidth = 3

##### 4.1.1.2.2.1 Test Channel = LCH

##### 4.1.1.2.2.1.1 Test RB = RB15#0



#### 4.1.1.2.2.2 Test Channel = MCH

##### 4.1.1.2.2.2.1 Test RB = RB15#0



#### 4.1.1.2.2.3 Test Channel = HCH

##### 4.1.1.2.2.3.1 Test RB = RB15#0



#### 4.1.1.2.3 Test Bandwidth = 5

##### 4.1.1.2.3.1 Test Channel = LCH

##### 4.1.1.2.3.1.1 Test RB = RB25#0



#### 4.1.1.2.3.2 Test Channel = MCH

##### 4.1.1.2.3.2.1 Test RB = RB25#0



#### 4.1.1.2.3.3 Test Channel = HCH

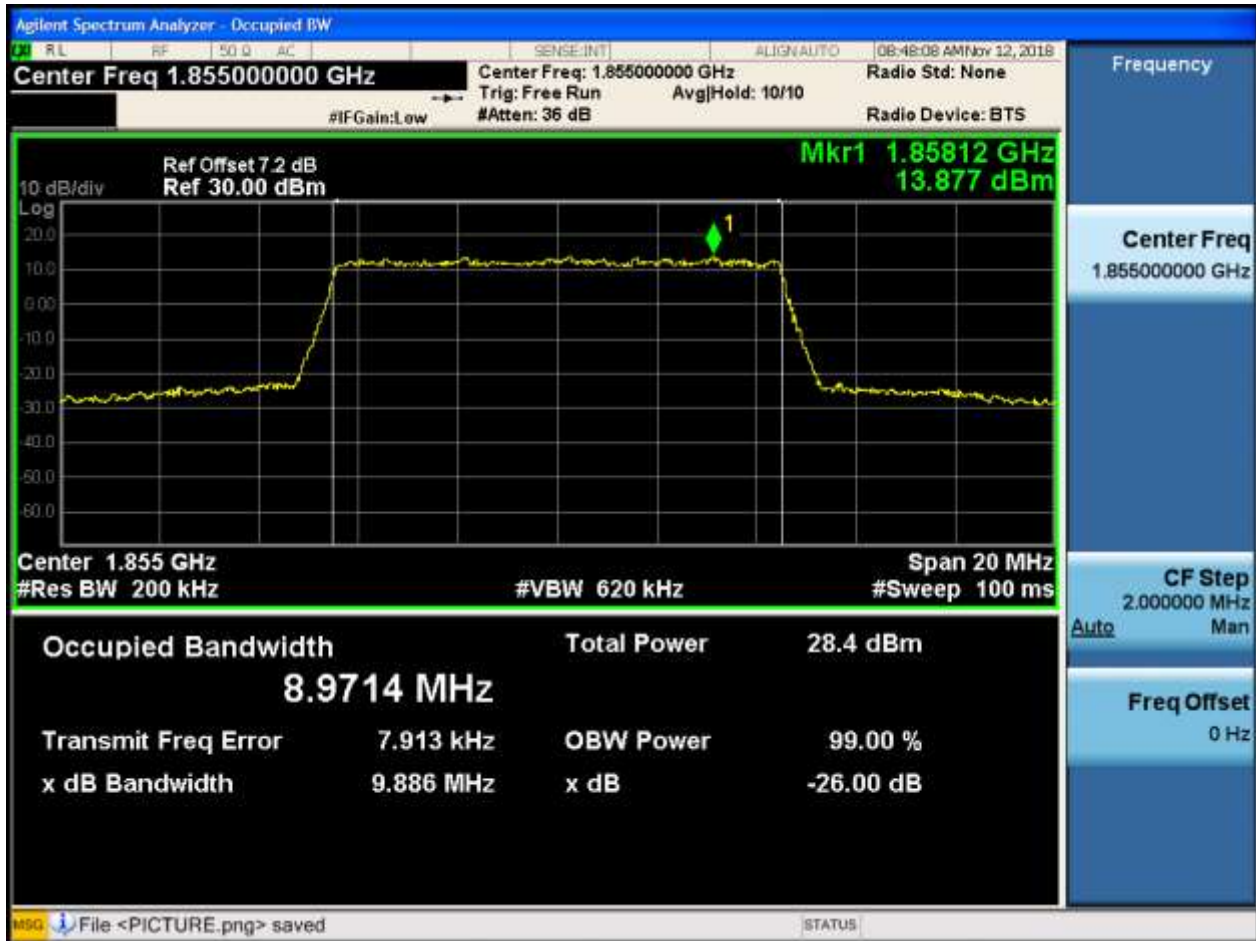
##### 4.1.1.2.3.3.1 Test RB = RB25#0



#### 4.1.1.2.4 Test Bandwidth = 10

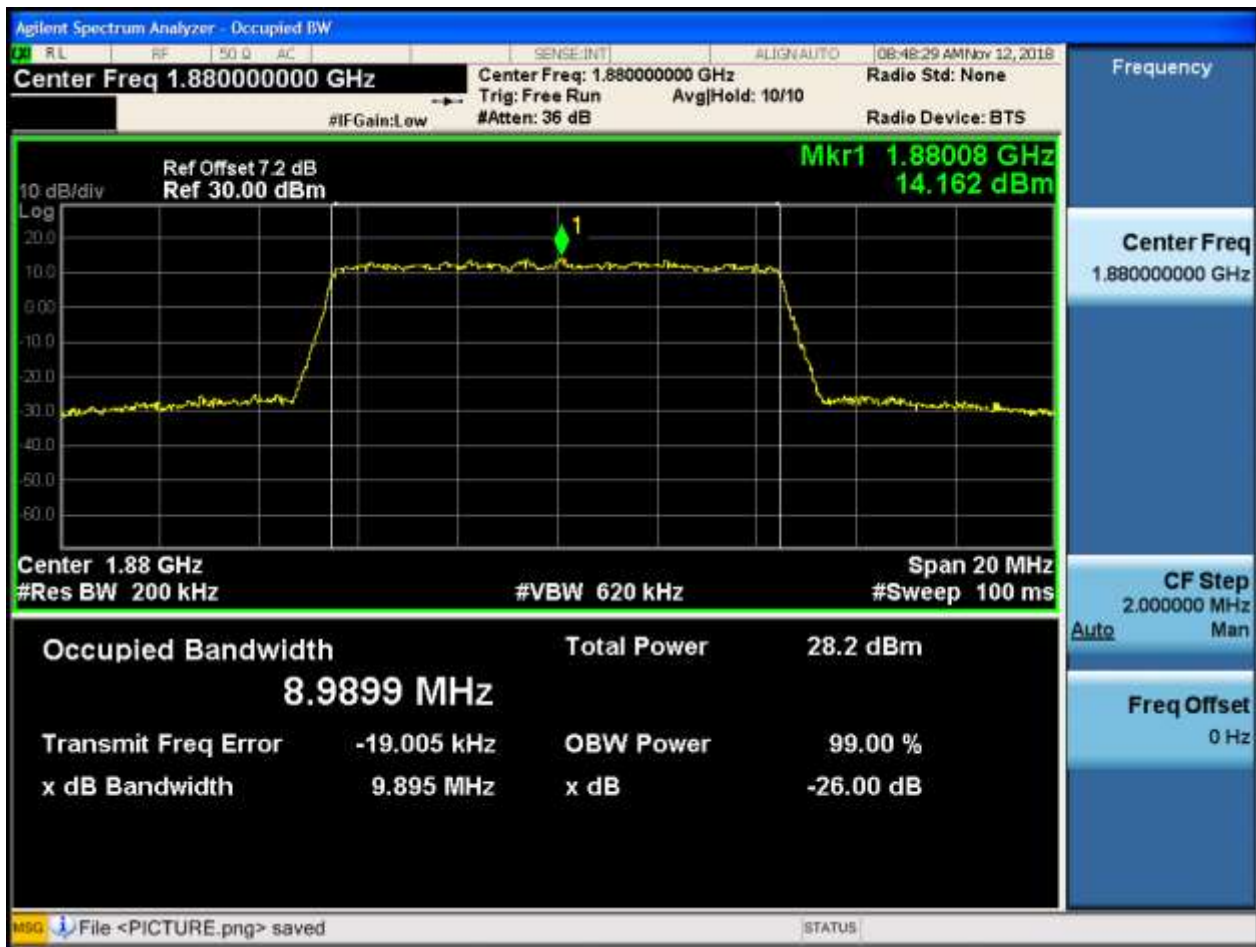
##### 4.1.1.2.4.1 Test Channel = LCH

##### 4.1.1.2.4.1.1 Test RB = RB50#0



#### 4.1.1.2.4.2 Test Channel = MCH

##### 4.1.1.2.4.2.1 Test RB = RB50#0



#### 4.1.1.2.4.3 Test Channel = HCH

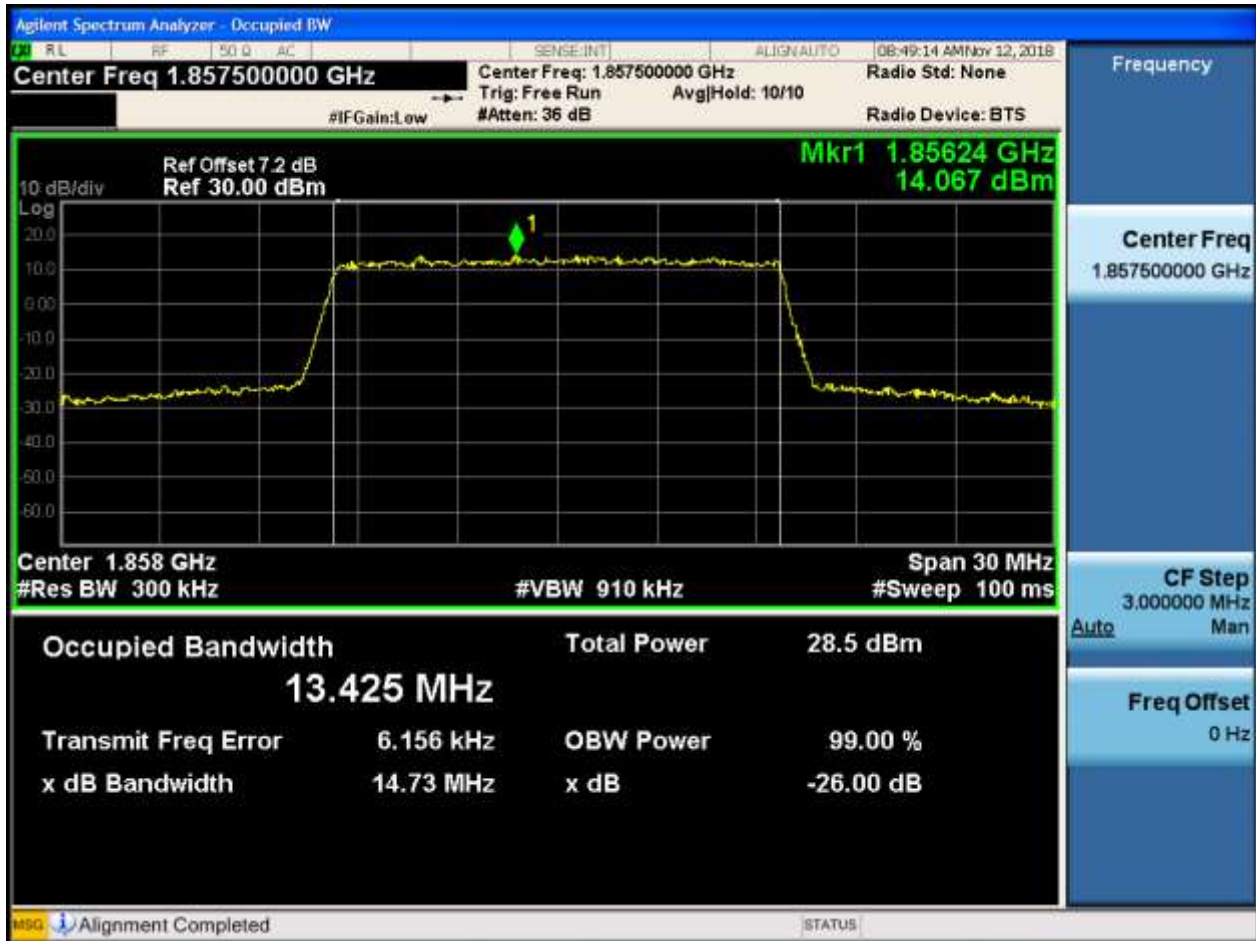
##### 4.1.1.2.4.3.1 Test RB = RB50#0



#### 4.1.1.2.5 Test Bandwidth = 15

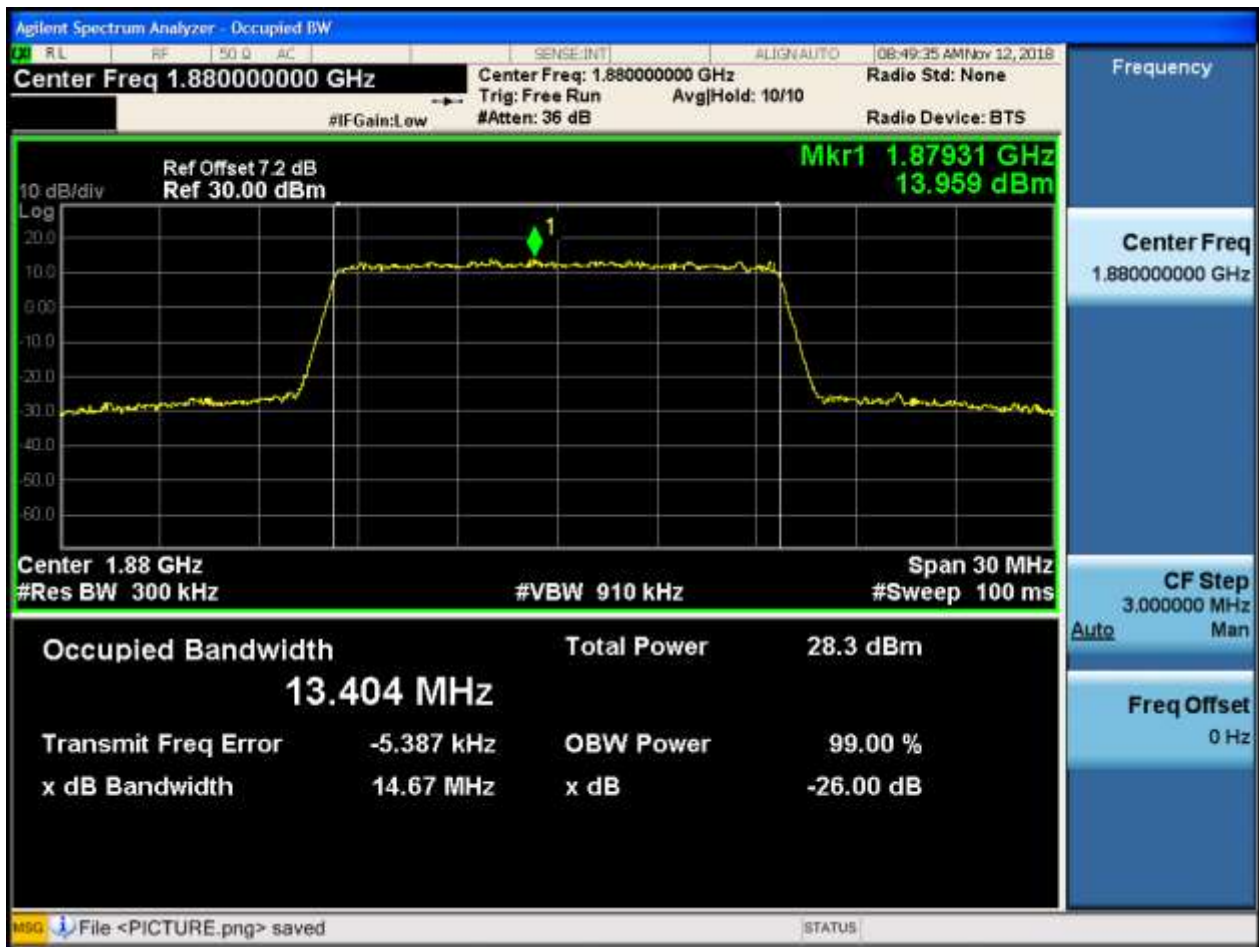
##### 4.1.1.2.5.1 Test Channel = LCH

##### 4.1.1.2.5.1.1 Test RB = RB75#0



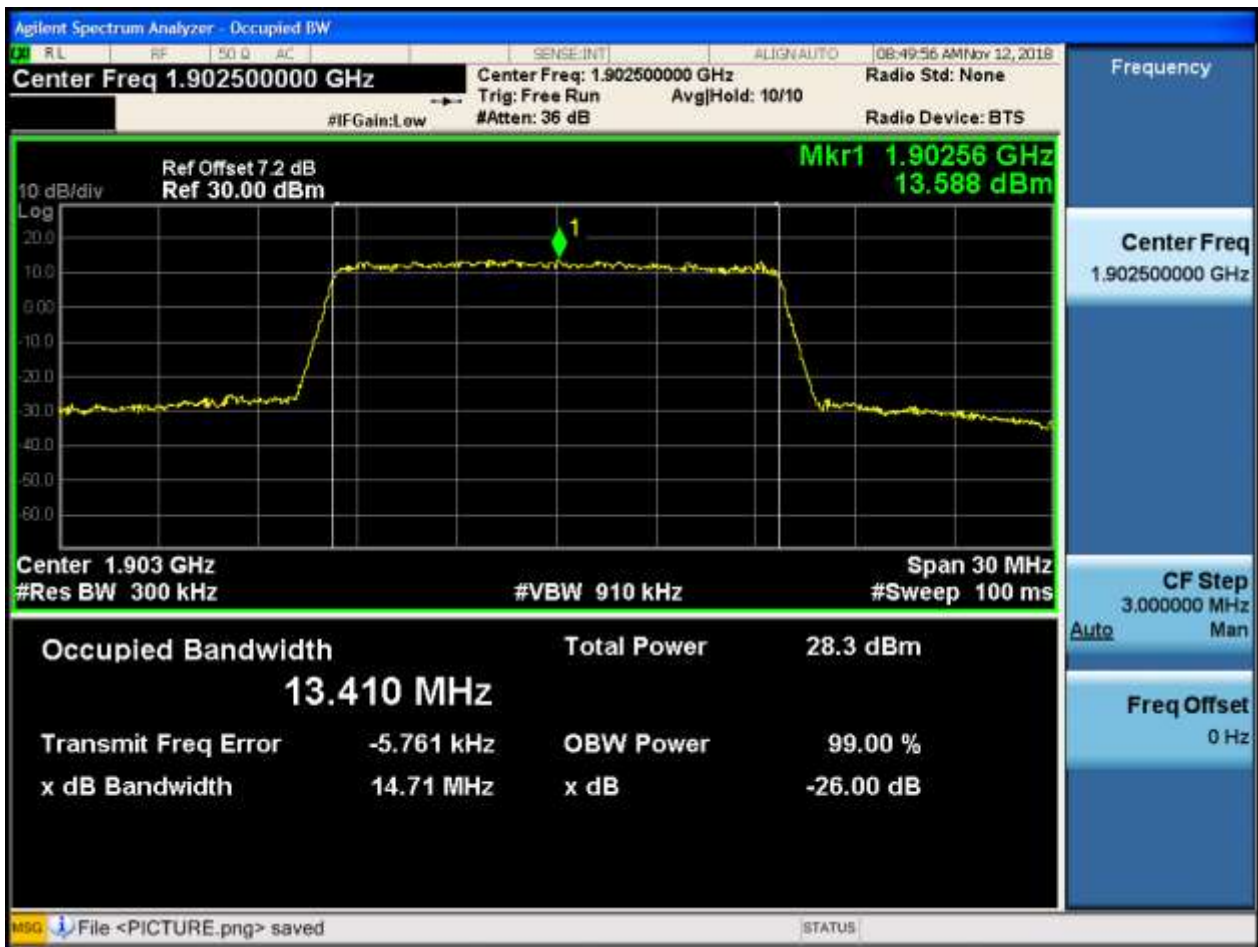
#### 4.1.1.2.5.2 Test Channel = MCH

##### 4.1.1.2.5.2.1 Test RB = RB75#0



#### 4.1.1.2.5.3 Test Channel = HCH

##### 4.1.1.2.5.3.1 Test RB = RB75#0



#### 4.1.1.2.6 Test Bandwidth = 20

##### 4.1.1.2.6.1 Test Channel = LCH

##### 4.1.1.2.6.1.1 Test RB = RB100#0



#### 4.1.1.2.6.2 Test Channel = MCH

##### 4.1.1.2.6.2.1 Test RB = RB100#0



#### 4.1.1.2.6.3 Test Channel = HCH

##### 4.1.1.2.6.3.1 Test RB = RB100#0



## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

##### 5.1.1 Test Band = BAND2

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

##### 5.1.1.1.1 Test Bandwidth = 1.4

##### 5.1.1.1.1.1 Test Channel = LCH

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



### 5.1.1.1.1.2 Test RB = RB1#5



### 5.1.1.1.1.3 Test RB = RB3#2



#### 5.1.1.1.1.4 Test RB = RB6#0

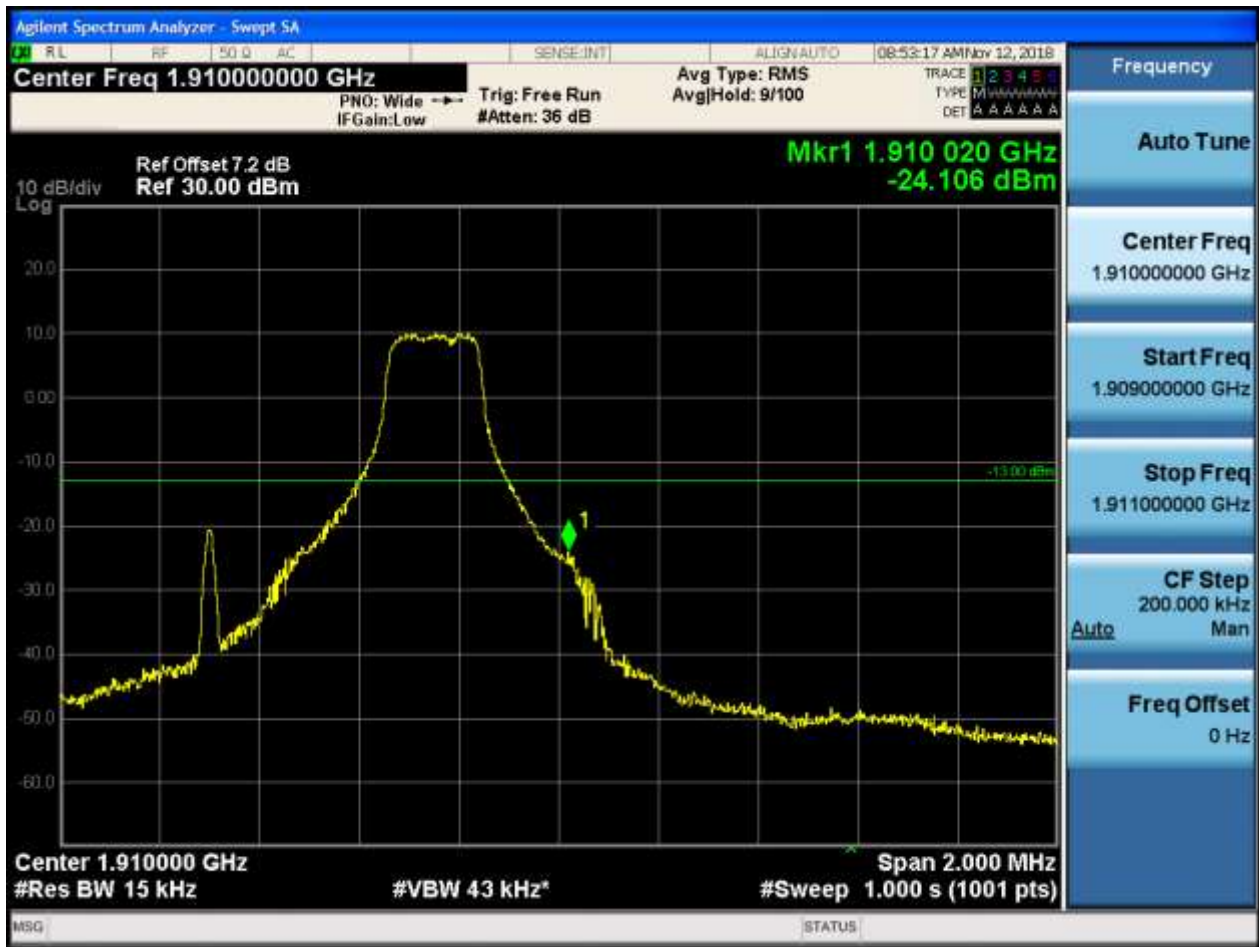


### 5.1.1.1.1.2 Test Channel = HCH

#### 5.1.1.1.1.2.1 Test RB = RB1#0



### 5.1.1.1.1.2.2 Test RB = RB1#5



### 5.1.1.1.1.2.3 Test RB = RB3#2



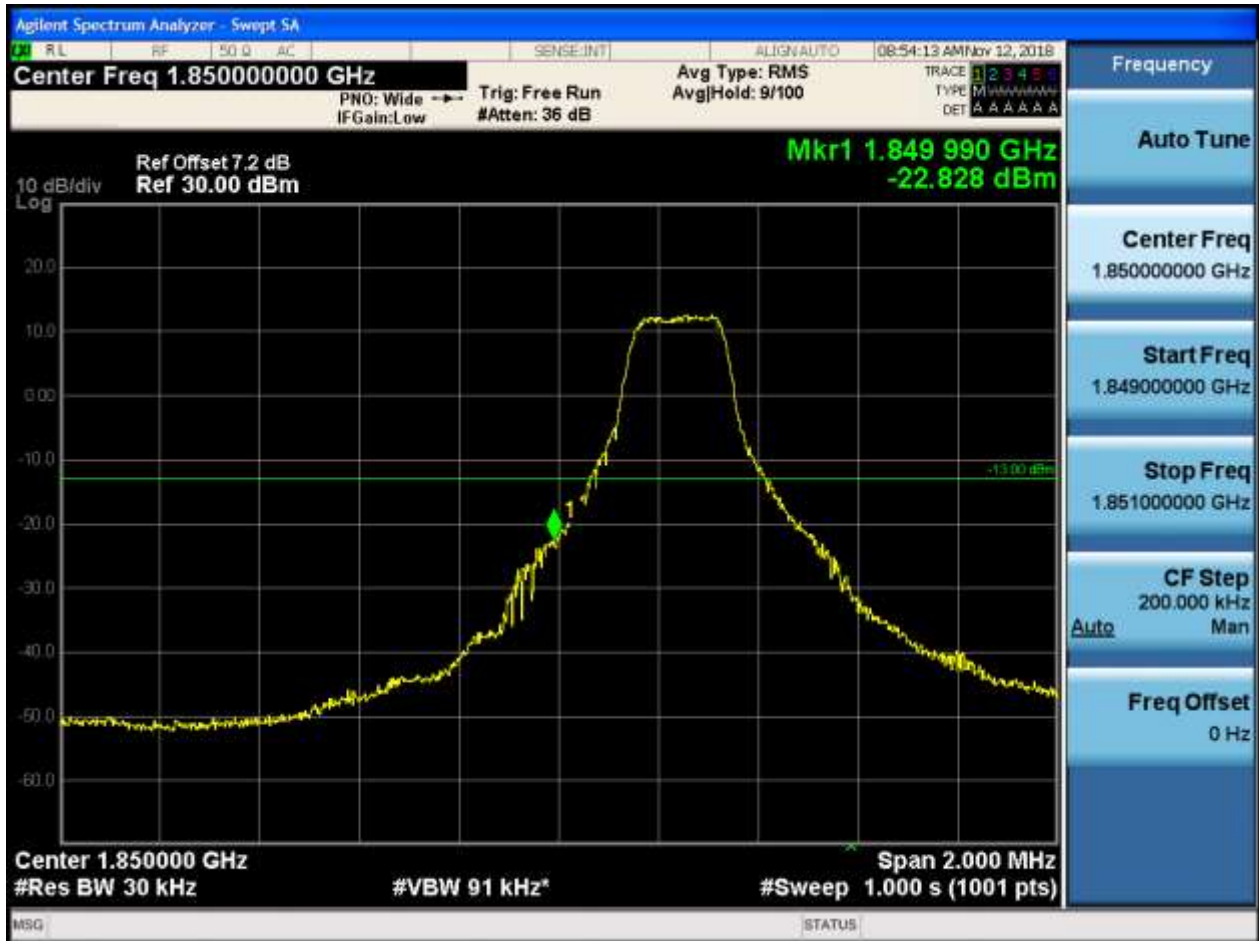
#### 5.1.1.1.1.2.4 Test RB = RB6#0



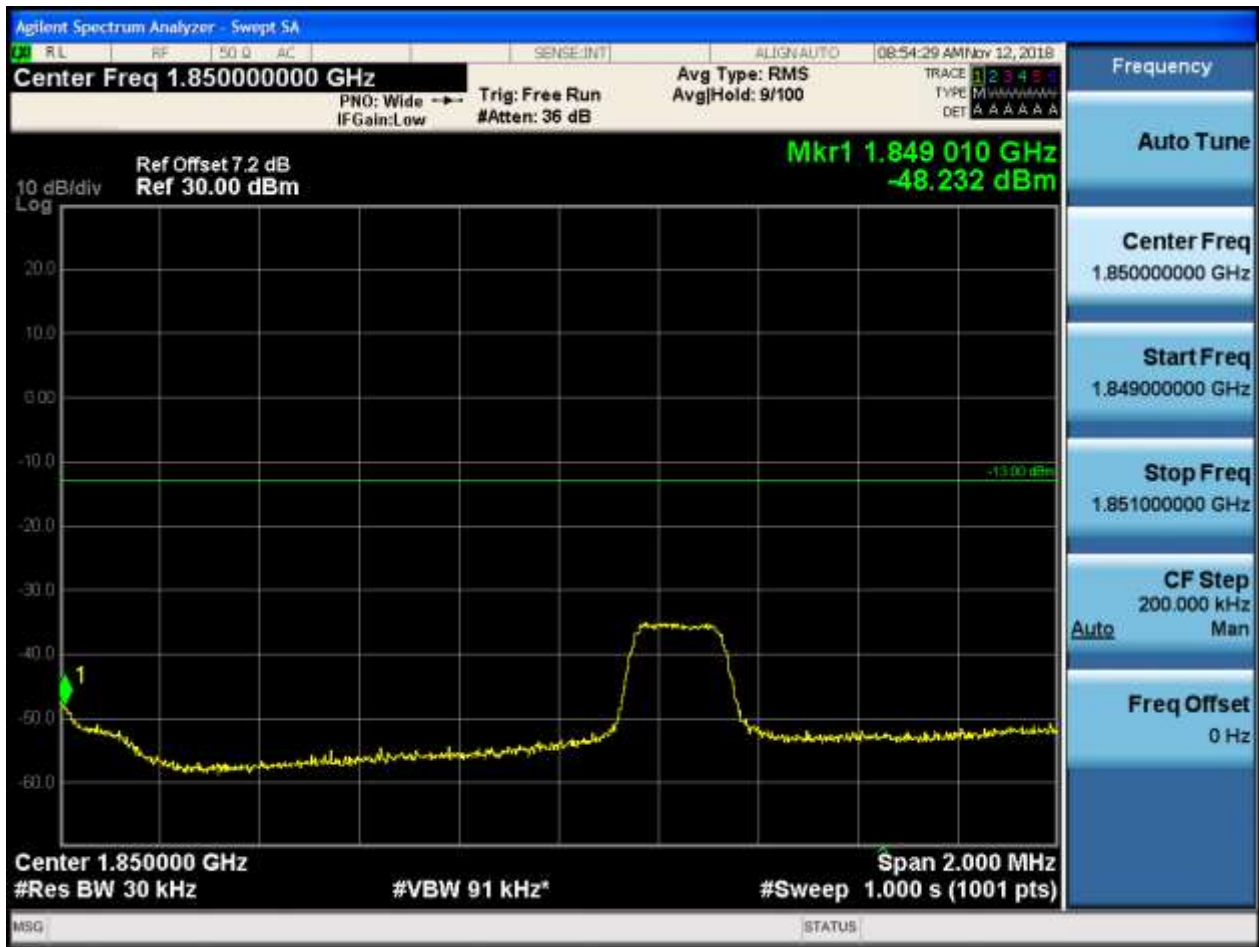
### 5.1.1.1.2 Test Bandwidth = 3

#### 5.1.1.1.2.1 Test Channel = LCH

##### 5.1.1.1.2.1.1 Test RB = RB1#0



### 5.1.1.1.2.1.2 Test RB = RB1#14



### 5.1.1.1.2.1.3 Test RB = RB8#4

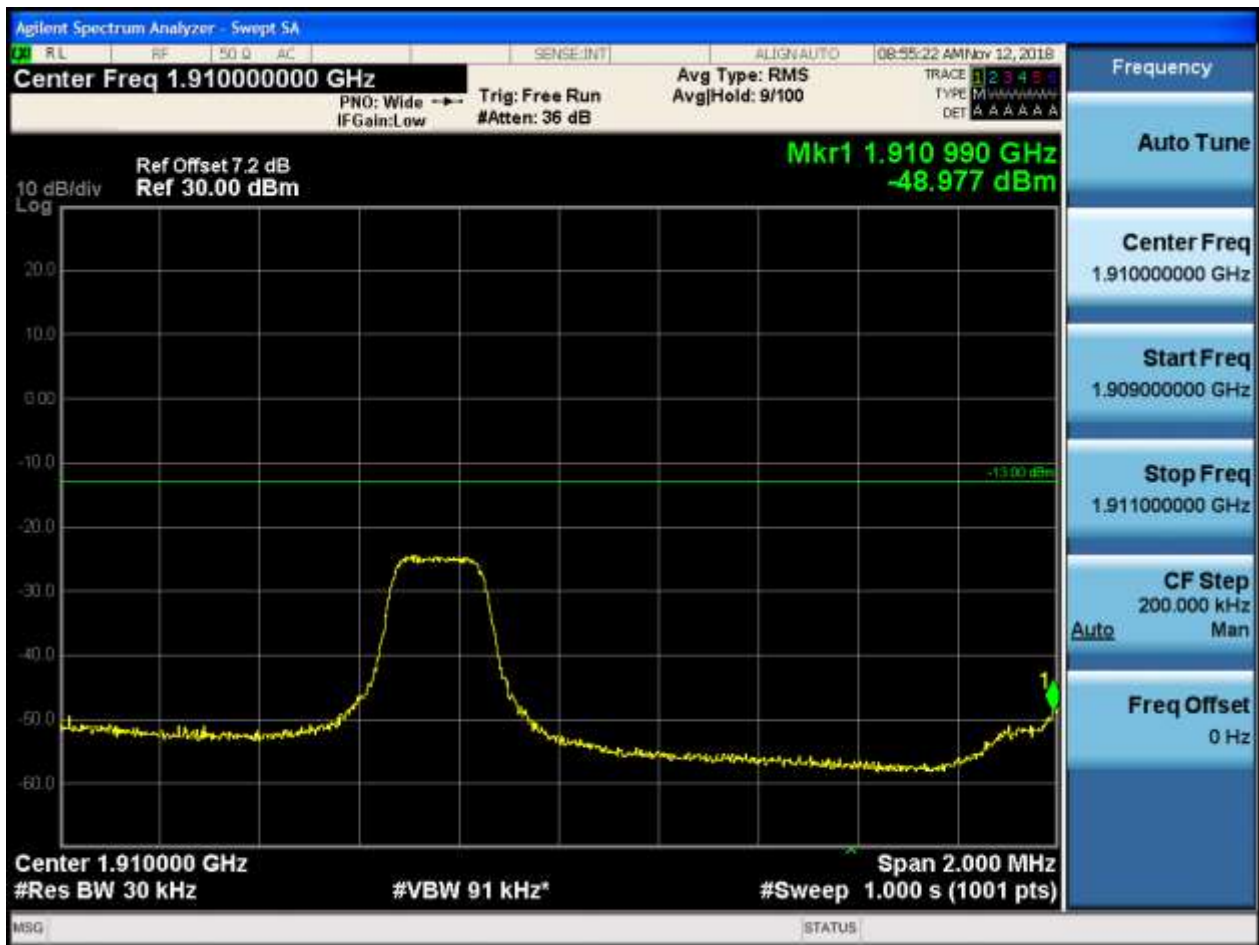


#### 5.1.1.1.2.1.4 Test RB = RB15#0

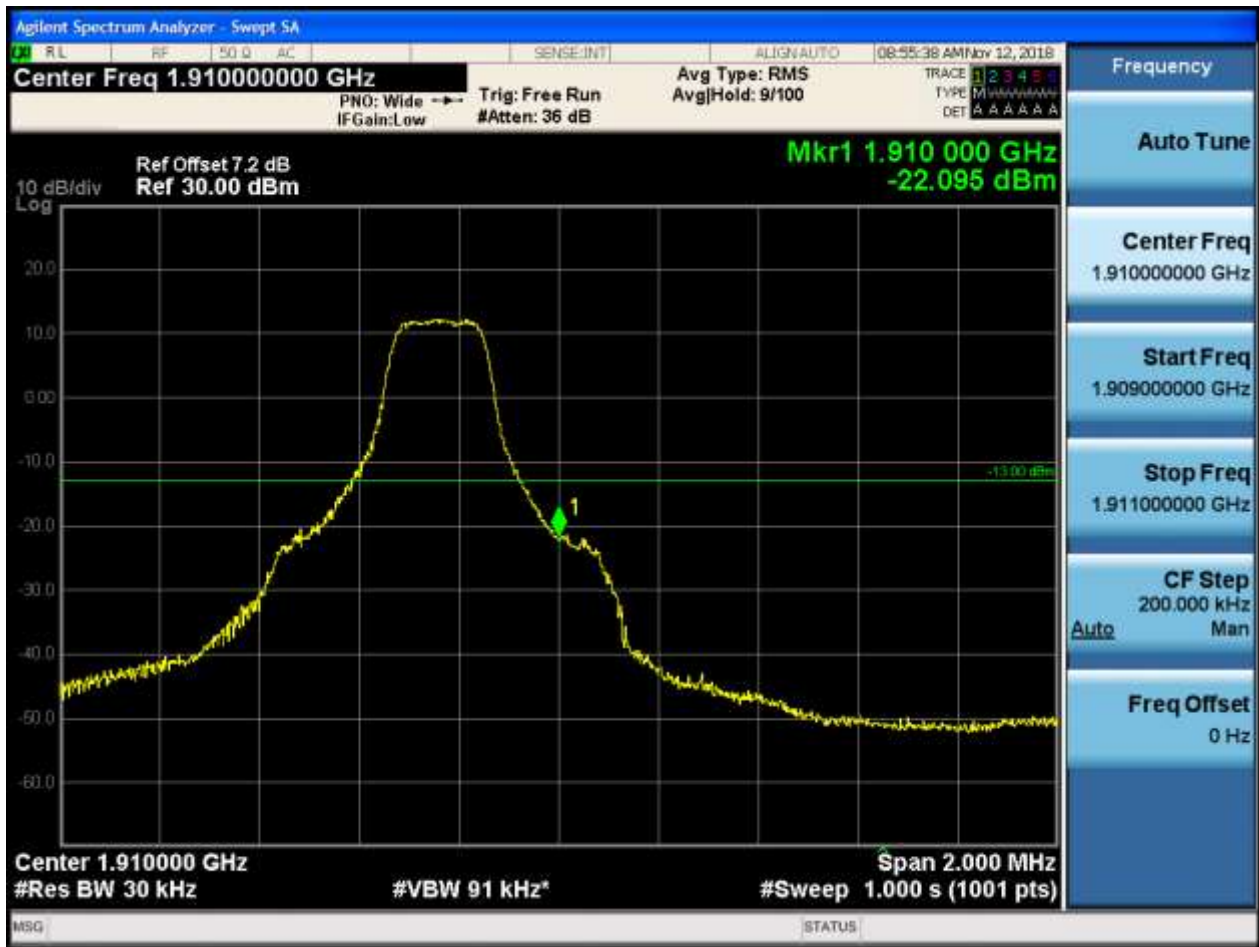


### 5.1.1.1.2.2 Test Channel = HCH

#### 5.1.1.1.2.2.1 Test RB = RB1#0



### 5.1.1.1.2.2.2 Test RB = RB1#14



### 5.1.1.1.2.2.3 Test RB = RB8#4



#### 5.1.1.1.2.2.4 Test RB = RB15#0



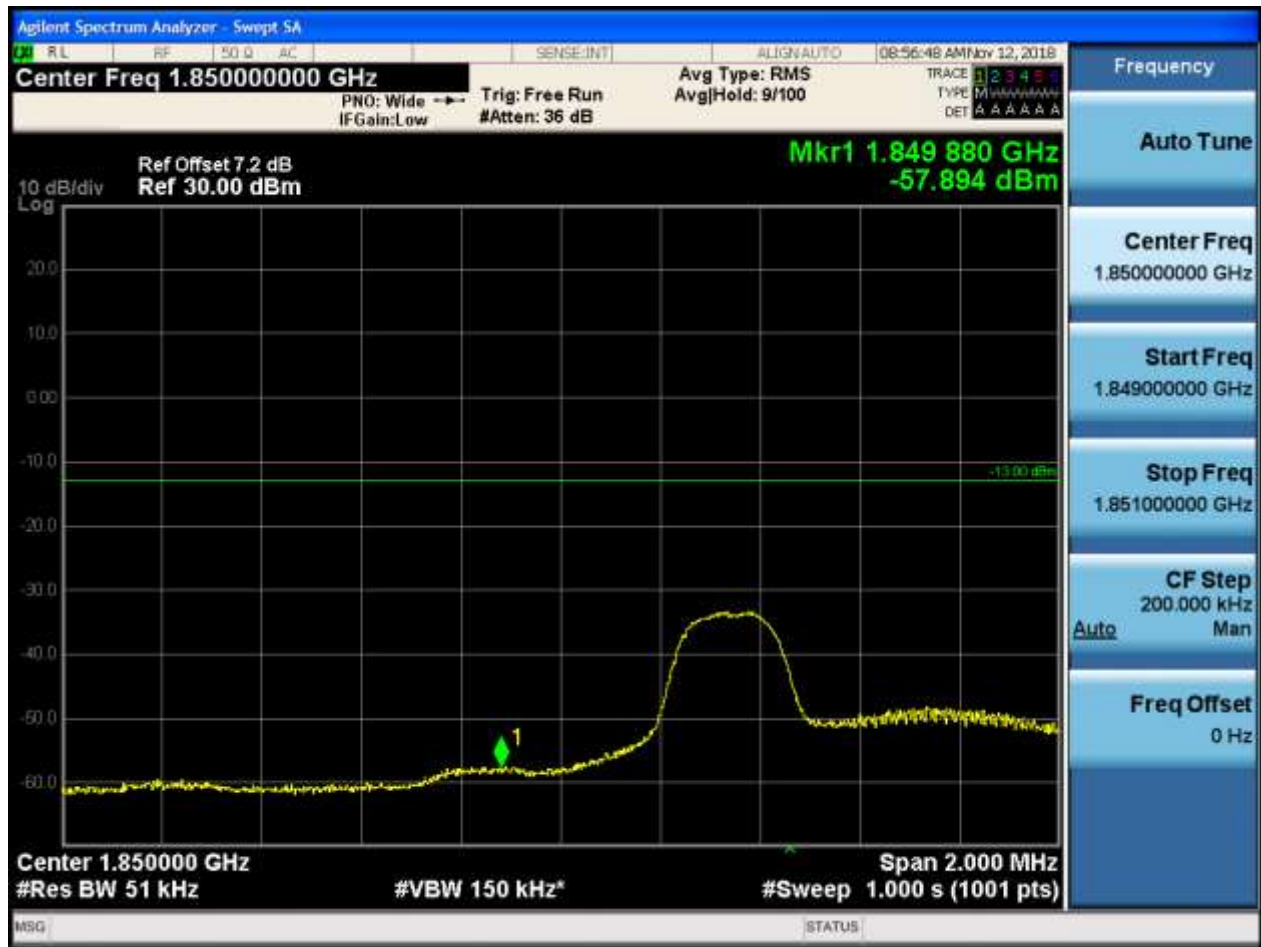
### 5.1.1.1.3 Test Bandwidth = 5

#### 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#24



### 5.1.1.1.3.1.3 Test RB = RB12#6

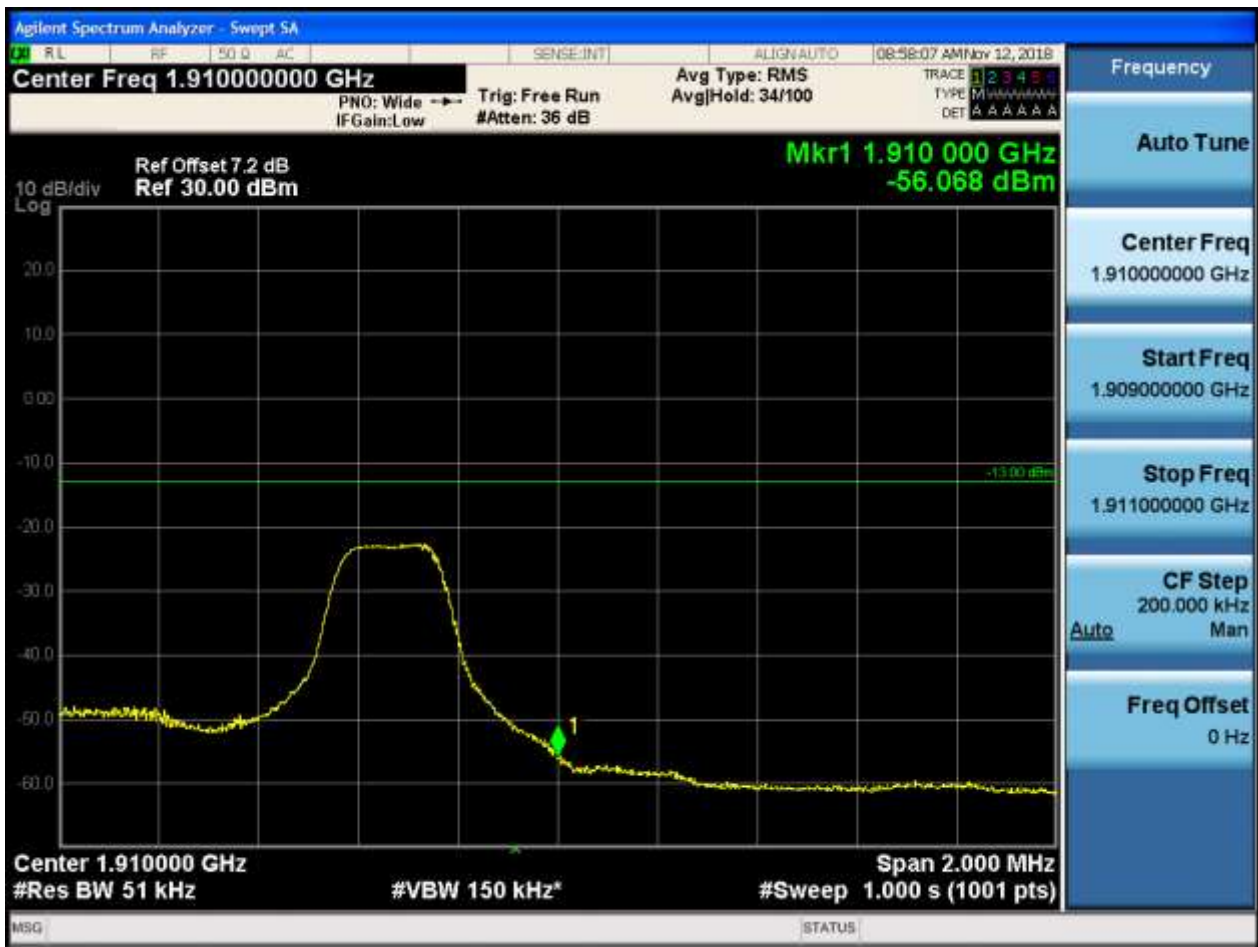


### 5.1.1.1.3.1.4 Test RB = RB25#0

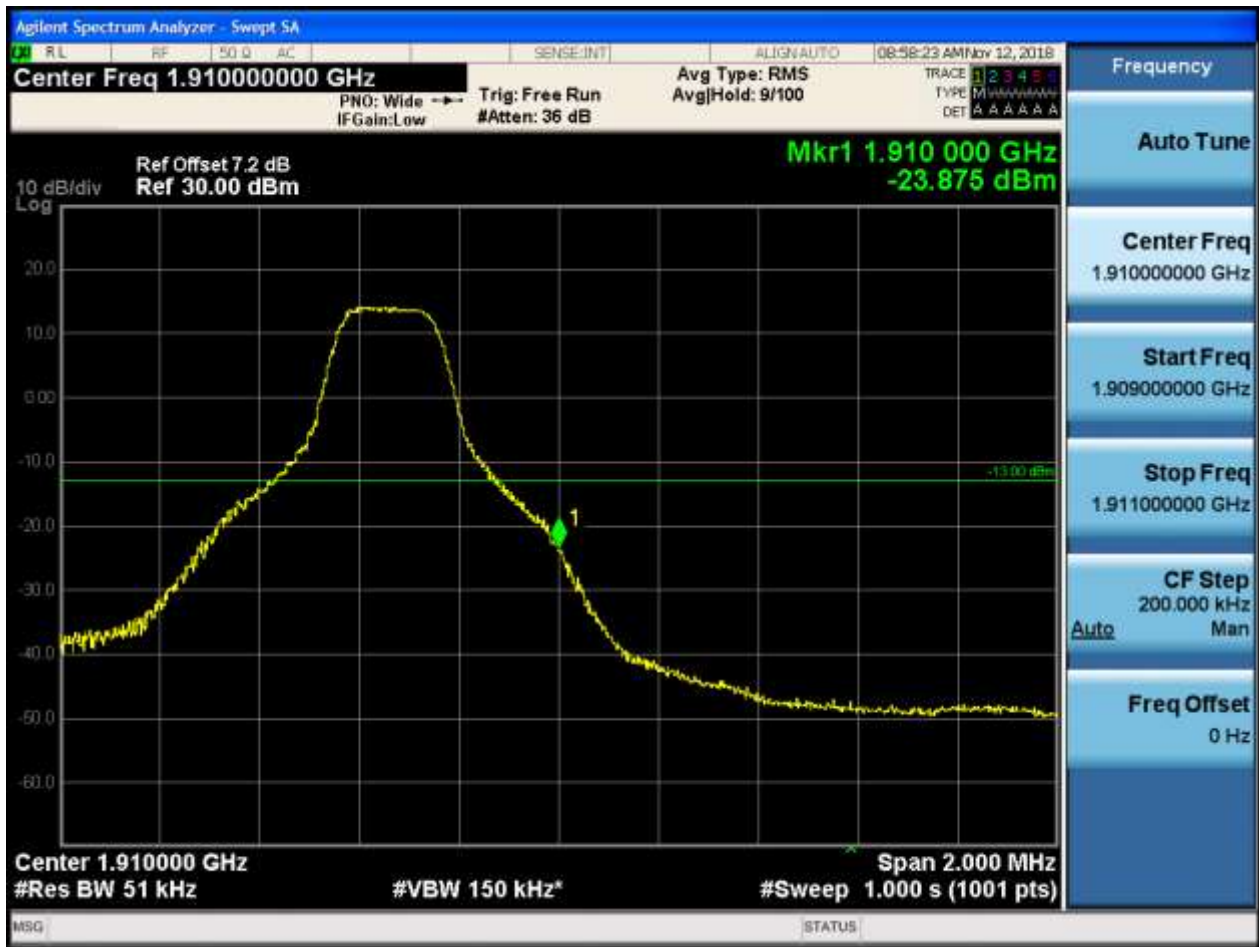


### 5.1.1.1.3.2 Test Channel = HCH

#### 5.1.1.1.3.2.1 Test RB = RB1#0



### 5.1.1.1.3.2.2 Test RB = RB1#24



### 5.1.1.1.3.2.3 Test RB = RB12#6



### 5.1.1.1.3.2.4 Test RB = RB25#0



#### 5.1.1.1.4 Test Bandwidth = 10

##### 5.1.1.1.4.1 Test Channel = LCH

##### 5.1.1.1.4.1.1 Test RB = RB1#0



#### 5.1.1.1.4.1.2 Test RB = RB1#49



### 5.1.1.1.4.1.3 Test RB = RB25#13



#### 5.1.1.1.4.1.4 Test RB = RB50#0



#### 5.1.1.1.4.2 Test Channel = HCH

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



### 5.1.1.1.4.2.2 Test RB = RB1#49



#### 5.1.1.1.4.2.3 Test RB = RB25#13



#### 5.1.1.1.4.2.4 Test RB = RB50#0



### 5.1.1.1.5 Test Bandwidth = 15

#### 5.1.1.1.5.1 Test Channel = LCH

##### 5.1.1.1.5.1.1 Test RB = RB1#0



### 5.1.1.1.5.1.2 Test RB = RB1#74



### 5.1.1.1.5.1.3 Test RB = RB38#19



#### 5.1.1.1.5.1.4 Test RB = RB75#0



### 5.1.1.1.5.2 Test Channel = HCH

#### 5.1.1.1.5.2.1 Test RB = RB1#0



### 5.1.1.1.5.2.2 Test RB = RB1#74



### 5.1.1.1.5.2.3 Test RB = RB38#19



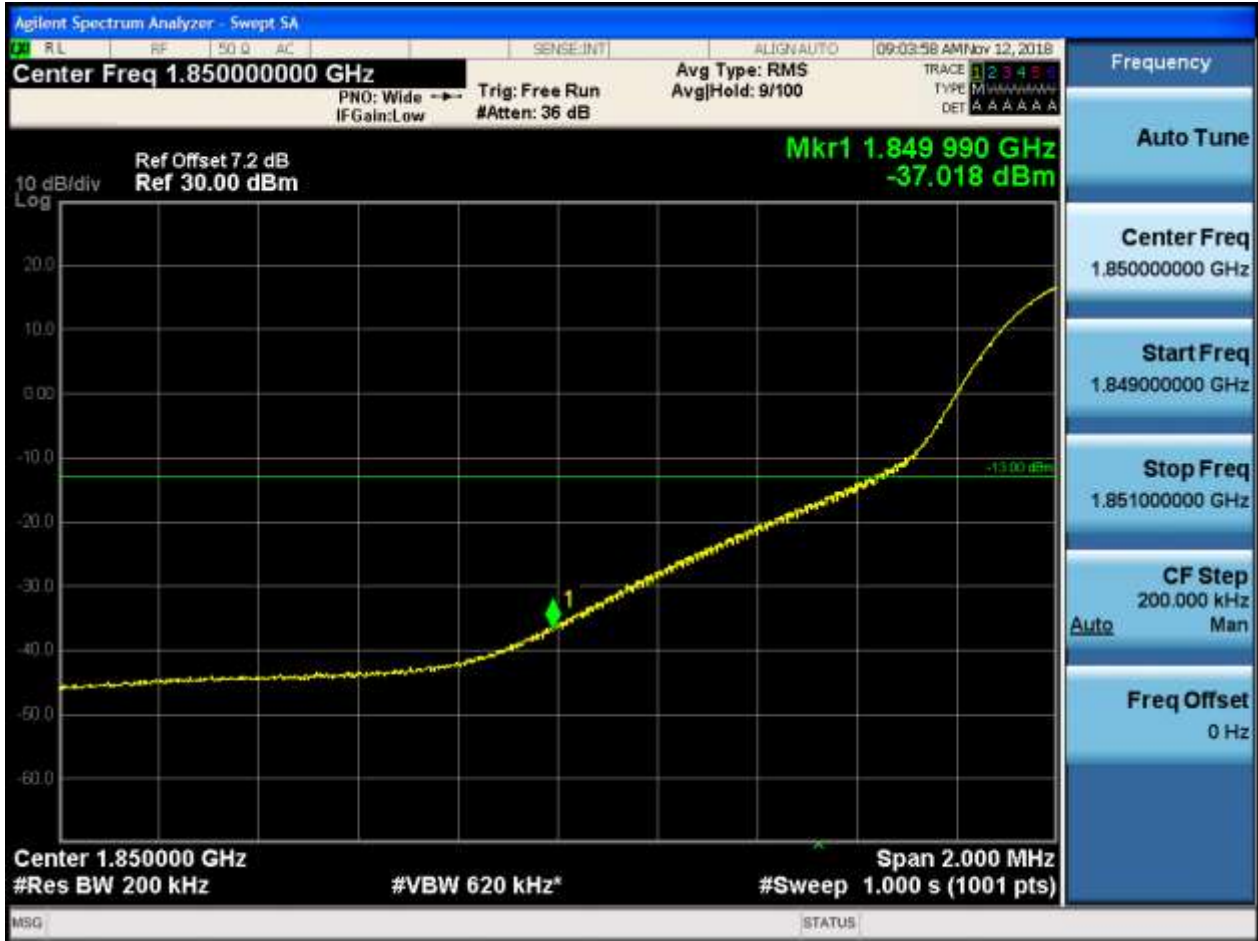
### 5.1.1.1.5.2.4 Test RB = RB75#0



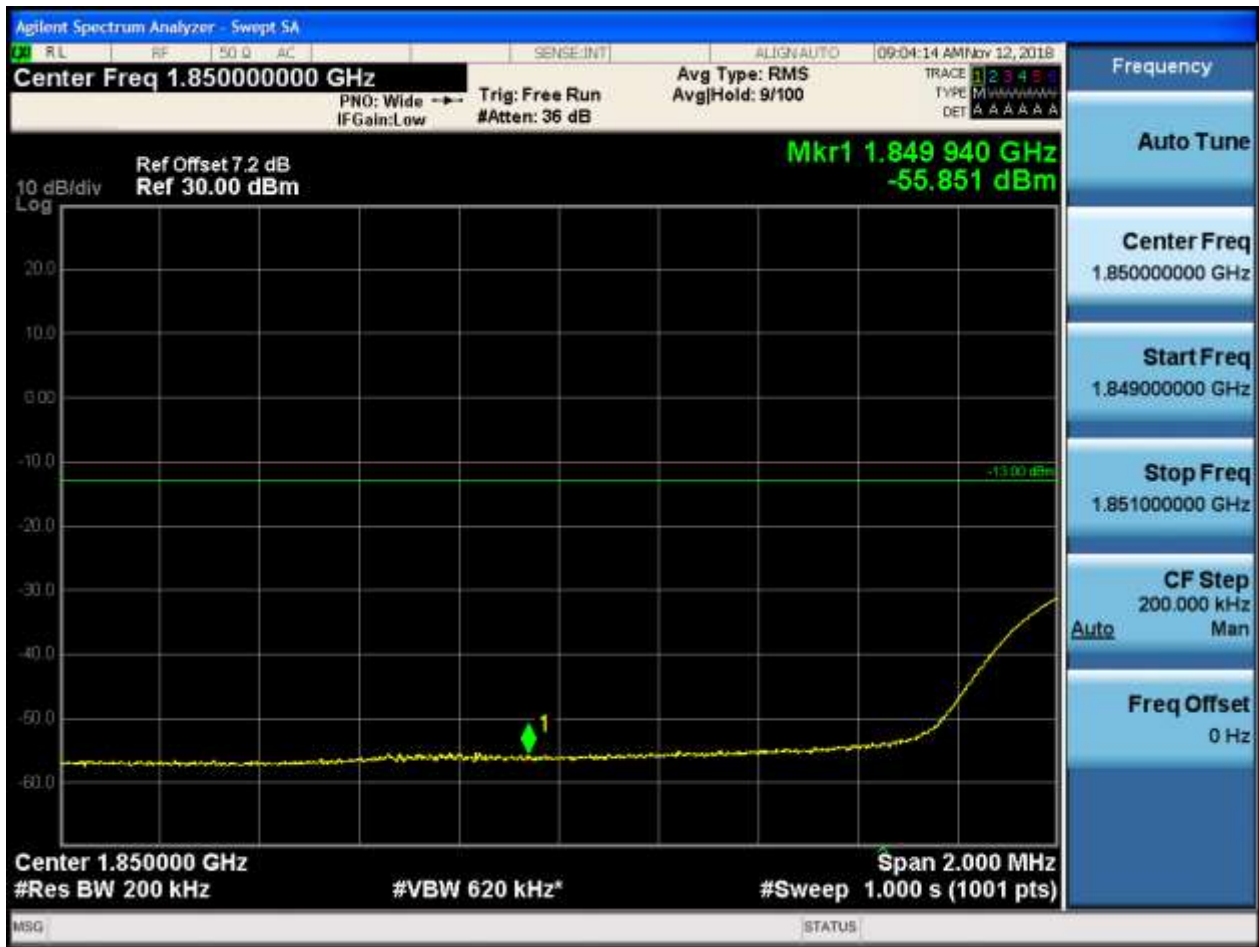
#### 5.1.1.1.6 Test Bandwidth = 20

##### 5.1.1.1.6.1 Test Channel = LCH

##### 5.1.1.1.6.1.1 Test RB = RB1#0



### 5.1.1.1.6.1.2 Test RB = RB1#99



### 5.1.1.1.6.1.3 Test RB = RB50#25

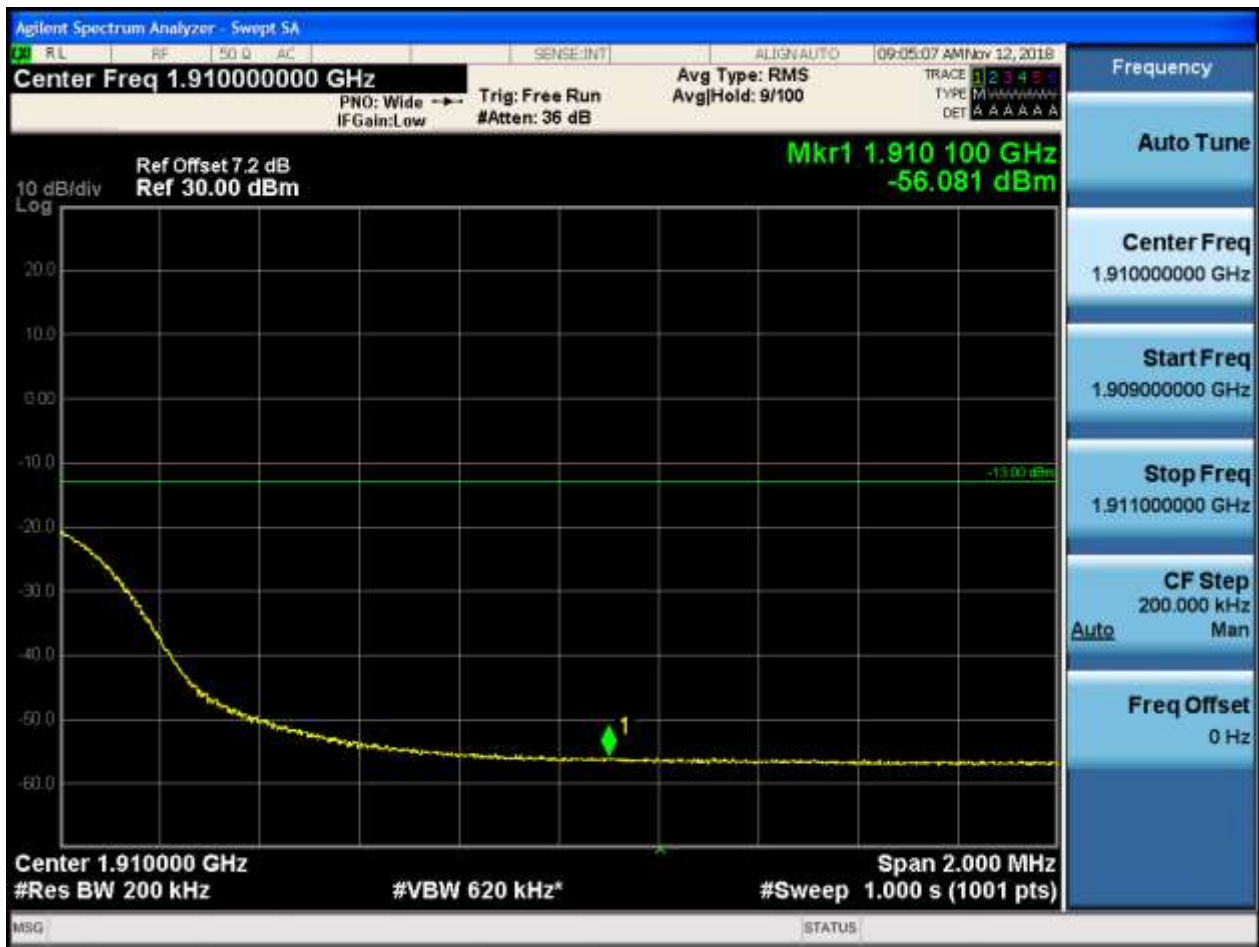


#### 5.1.1.1.6.1.4 Test RB = RB100#0



### 5.1.1.1.6.2 Test Channel = HCH

#### 5.1.1.1.6.2.1 Test RB = RB1#0



### 5.1.1.1.6.2.2 Test RB = RB1#99



### 5.1.1.1.6.2.3 Test RB = RB50#25



### 5.1.1.1.6.2.4 Test RB = RB100#0

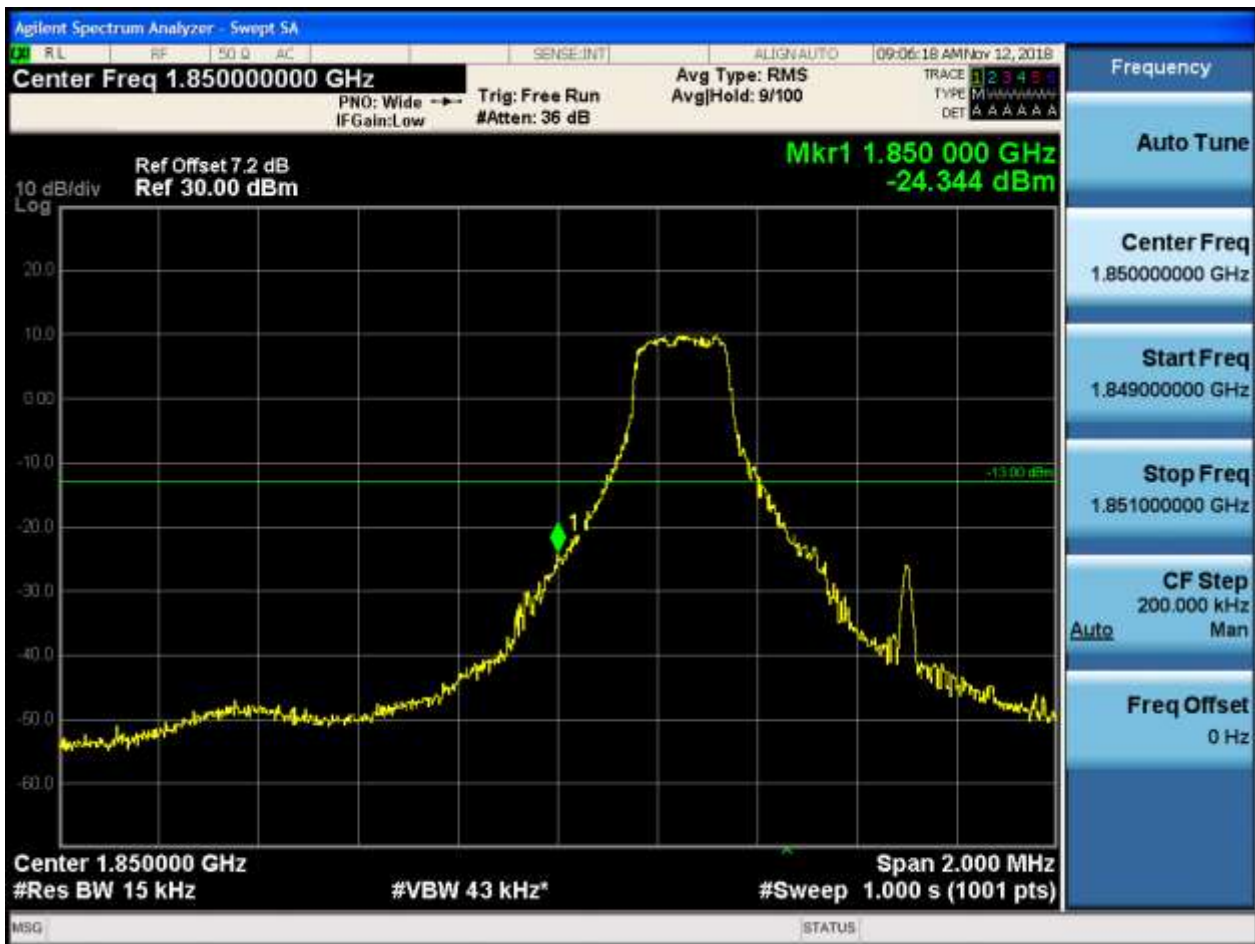


### 5.1.1.2 Test Mode = LTE/TM2

#### 5.1.1.2.1 Test Bandwidth = 1.4

##### 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#5



### 5.1.1.2.1.1.3 Test RB = RB3#2



#### 5.1.1.2.1.1.4 Test RB = RB6#0

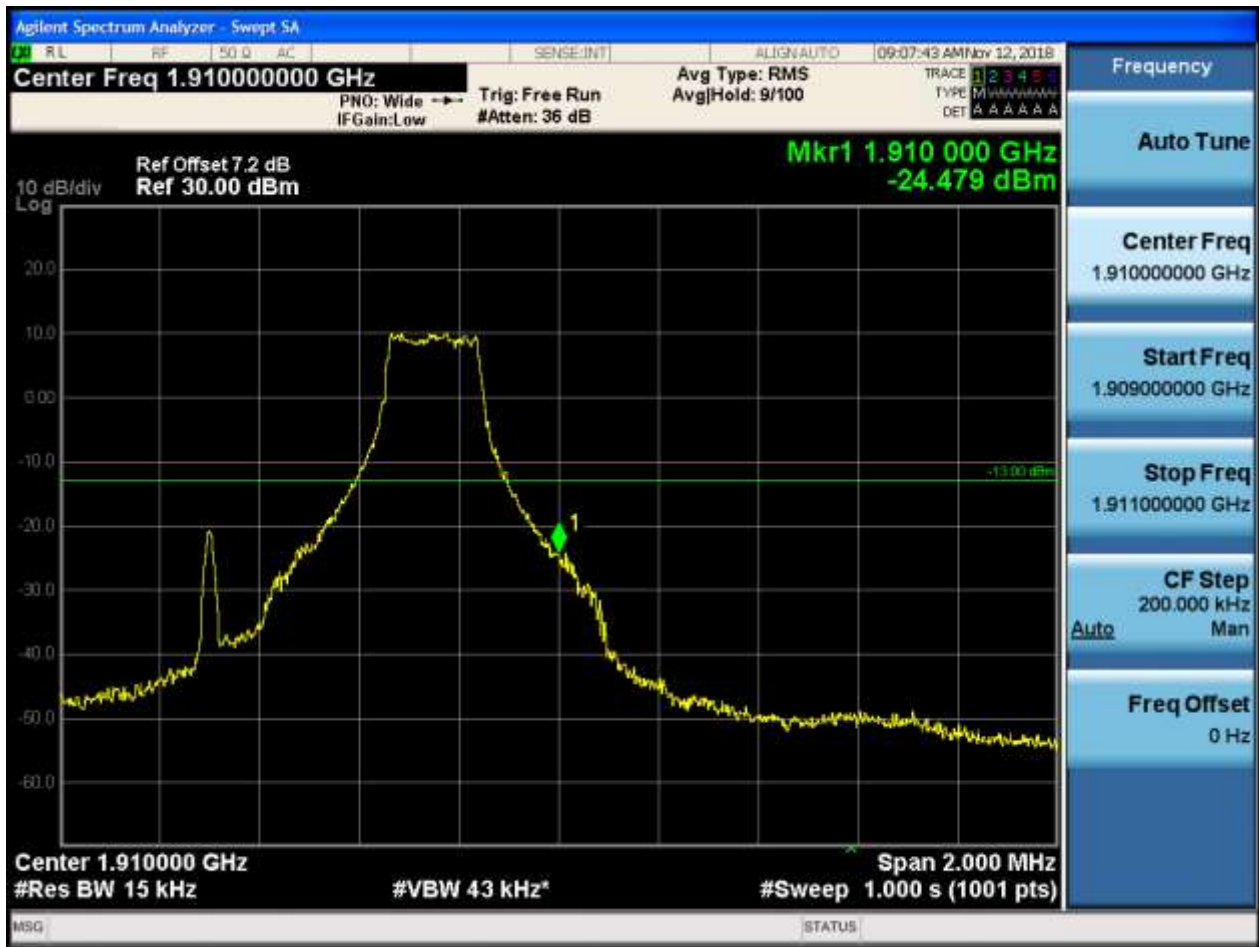


### 5.1.1.2.1.2 Test Channel = HCH

#### 5.1.1.2.1.2.1 Test RB = RB1#0



### 5.1.1.2.1.2.2 Test RB = RB1#5



### 5.1.1.2.1.2.3 Test RB = RB3#2



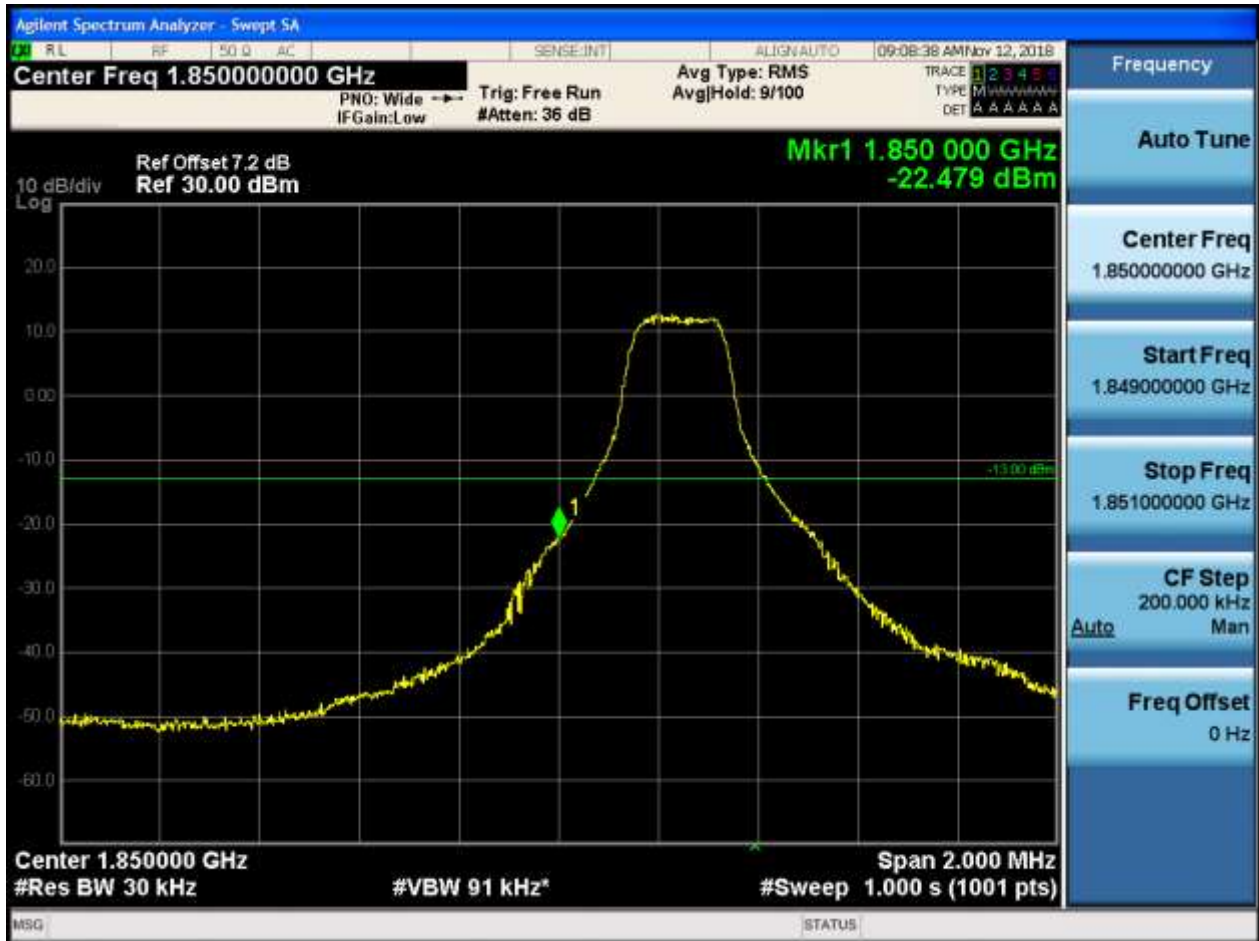
#### 5.1.1.2.1.2.4 Test RB = RB6#0



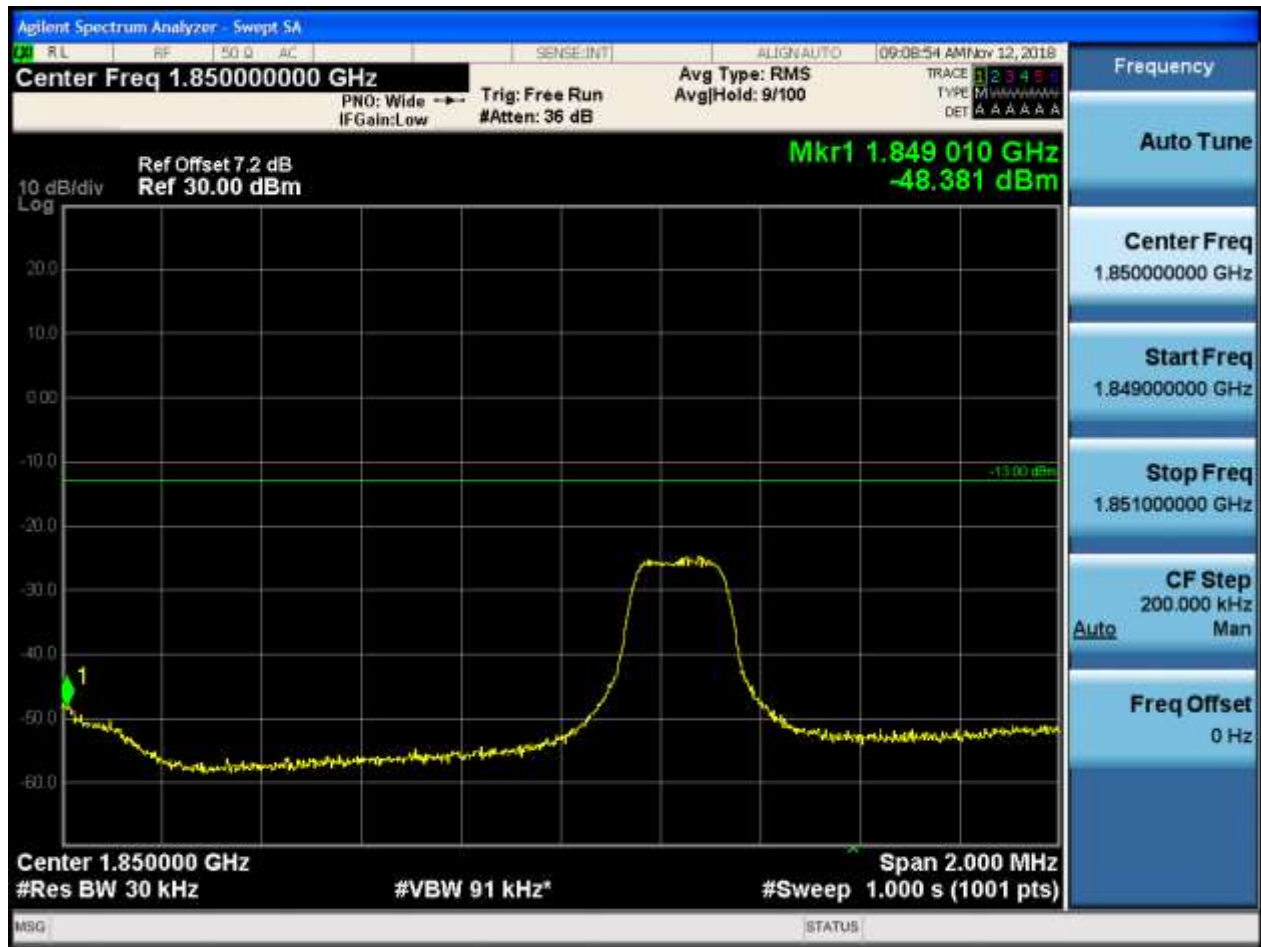
### 5.1.1.2.2 Test Bandwidth = 3

#### 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#14



### 5.1.1.2.2.1.3 Test RB = RB8#4

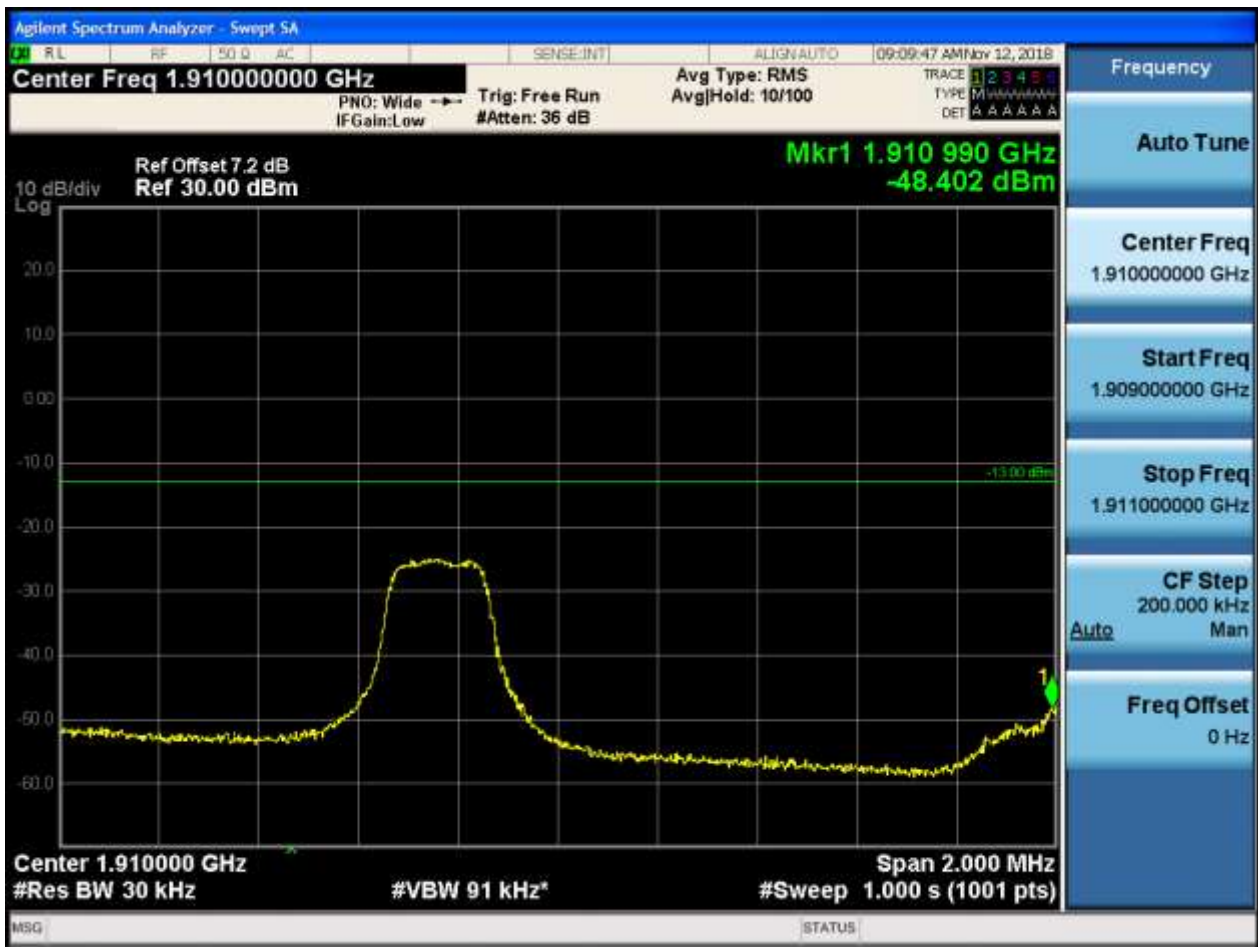


#### 5.1.1.2.2.1.4 Test RB = RB15#0

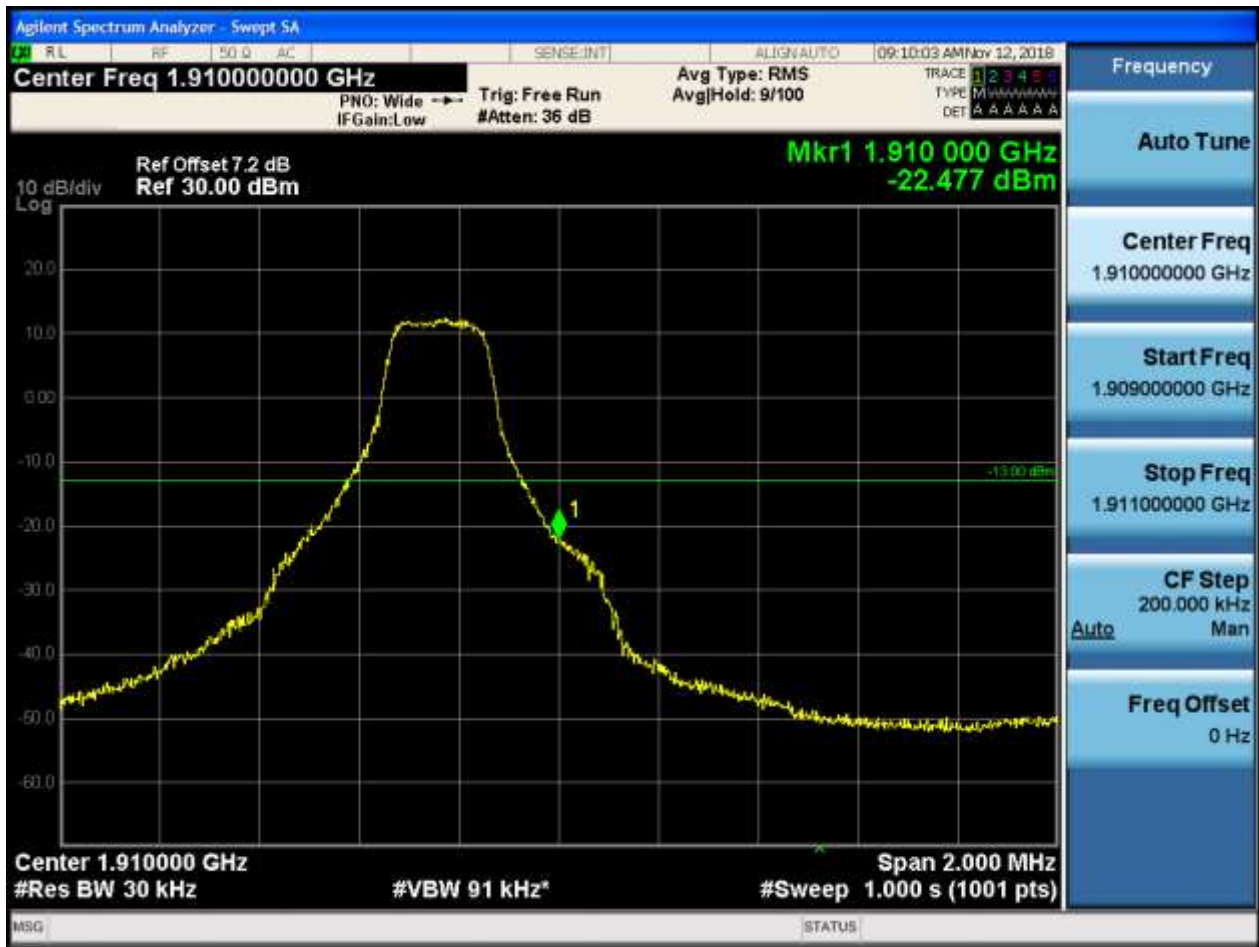


### 5.1.1.2.2.2 Test Channel = HCH

#### 5.1.1.2.2.2.1 Test RB = RB1#0



### 5.1.1.2.2.2 Test RB = RB1#14



### 5.1.1.2.2.3 Test RB = RB8#4



#### 5.1.1.2.2.4 Test RB = RB15#0

