

## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | EIRP(dBm) | Limit(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|-----------|------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#0            | 23.22       | 24.62     | 33         | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#2            | 23.45       | 24.85     | 33         | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#5            | 23.28       | 24.68     | 33         | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0            | 22.29       | 23.69     | 33         | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#0            | 23.34       | 24.74     | 33         | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#2            | 23.50       | 24.9      | 33         | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#5            | 23.20       | 24.6      | 33         | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0            | 22.14       | 23.54     | 33         | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#0            | 23.17       | 24.57     | 33         | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#2            | 23.19       | 24.59     | 33         | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#5            | 23.23       | 24.63     | 33         | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0            | 22.20       | 23.6      | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#0            | 22.56       | 23.96     | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#2            | 22.82       | 24.22     | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#5            | 22.80       | 24.2      | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 6RB#0            | 21.30       | 22.7      | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 1RB#0            | 22.65       | 24.05     | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 1RB#2            | 22.73       | 24.13     | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 1RB#5            | 22.64       | 24.04     | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 6RB#0            | 21.25       | 22.65     | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 1RB#0            | 22.63       | 24.03     | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 1RB#2            | 22.73       | 24.13     | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 1RB#5            | 22.66       | 24.06     | 33         | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 6RB#0            | 21.17       | 22.57     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 1RB#0            | 23.31       | 24.71     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 1RB#8            | 23.11       | 24.51     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 1RB#14           | 23.18       | 24.58     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 15RB#0           | 22.24       | 23.64     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 1RB#0            | 23.32       | 24.72     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 1RB#8            | 23.18       | 24.58     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 1RB#14           | 23.42       | 24.82     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 15RB#0           | 22.25       | 23.65     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 1RB#0            | 23.31       | 24.71     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 1RB#8            | 23.17       | 24.57     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 1RB#14           | 23.31       | 24.71     | 33         | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 15RB#0           | 22.25       | 23.65     | 33         | PASS    |

|       |       |       |       |        |       |       |    |      |
|-------|-------|-------|-------|--------|-------|-------|----|------|
| Band2 | 3MHz  | 16QAM | 18615 | 1RB#0  | 22.68 | 24.08 | 33 | PASS |
| Band2 | 3MHz  | 16QAM | 18615 | 1RB#8  | 22.52 | 23.92 | 33 | PASS |
| Band2 | 3MHz  | 16QAM | 18615 | 1RB#14 | 22.50 | 23.9  | 33 | PASS |
| Band2 | 3MHz  | 16QAM | 18615 | 15RB#0 | 21.33 | 22.73 | 33 | PASS |
| Band2 | 3MHz  | 16QAM | 18900 | 1RB#0  | 22.67 | 24.07 | 33 | PASS |
| Band2 | 3MHz  | 16QAM | 18900 | 1RB#8  | 22.61 | 24.01 | 33 | PASS |
| Band2 | 3MHz  | 16QAM | 18900 | 1RB#14 | 22.70 | 24.1  | 33 | PASS |
| Band2 | 3MHz  | 16QAM | 18900 | 15RB#0 | 21.26 | 22.66 | 33 | PASS |
| Band2 | 3MHz  | 16QAM | 19185 | 1RB#0  | 22.63 | 24.03 | 33 | PASS |
| Band2 | 3MHz  | 16QAM | 19185 | 1RB#8  | 22.61 | 24.01 | 33 | PASS |
| Band2 | 3MHz  | 16QAM | 19185 | 1RB#14 | 22.68 | 24.08 | 33 | PASS |
| Band2 | 3MHz  | 16QAM | 19185 | 15RB#0 | 21.23 | 22.63 | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 18625 | 1RB#0  | 23.24 | 24.64 | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 18625 | 1RB#12 | 23.48 | 24.88 | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 18625 | 1RB#24 | 23.15 | 24.55 | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 18625 | 25RB#0 | 22.23 | 23.63 | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 18900 | 1RB#0  | 23.32 | 24.72 | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 18900 | 1RB#12 | 23.31 | 24.71 | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 18900 | 1RB#24 | 23.46 | 24.86 | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 18900 | 25RB#0 | 22.19 | 23.59 | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 19175 | 1RB#0  | 23.20 | 24.6  | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 19175 | 1RB#12 | 23.48 | 24.88 | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 19175 | 1RB#24 | 23.17 | 24.57 | 33 | PASS |
| Band2 | 5MHz  | QPSK  | 19175 | 25RB#0 | 22.30 | 23.7  | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 1RB#0  | 22.63 | 24.03 | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 1RB#12 | 23.10 | 24.5  | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 1RB#24 | 22.63 | 24.03 | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 25RB#0 | 21.34 | 22.74 | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#0  | 22.80 | 24.2  | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#12 | 22.90 | 24.3  | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#24 | 22.85 | 24.25 | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 25RB#0 | 21.31 | 22.71 | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#0  | 22.57 | 23.97 | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#12 | 22.89 | 24.29 | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#24 | 22.48 | 23.88 | 33 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 25RB#0 | 21.28 | 22.68 | 33 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#0  | 23.41 | 24.81 | 33 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#24 | 23.30 | 24.7  | 33 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#49 | 23.30 | 24.7  | 33 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 50RB#0 | 22.18 | 23.58 | 33 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#0  | 23.37 | 24.77 | 33 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#24 | 23.34 | 24.74 | 33 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#49 | 23.38 | 24.78 | 33 | PASS |



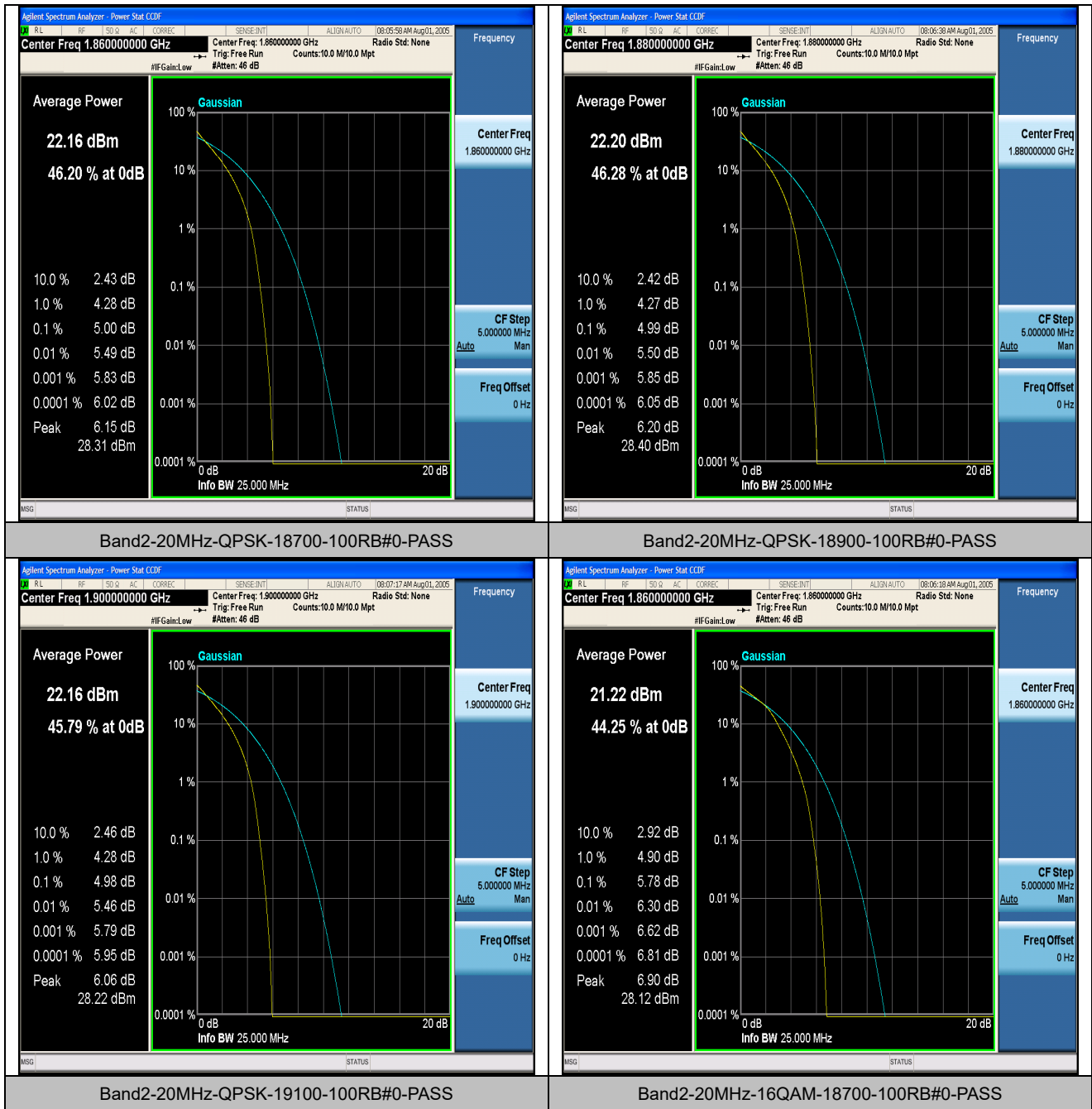
|       |       |       |       |        |       |       |    |      |
|-------|-------|-------|-------|--------|-------|-------|----|------|
| Band2 | 10MHz | QPSK  | 18900 | 50RB#0 | 22.35 | 23.75 | 33 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#0  | 23.40 | 24.8  | 33 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#24 | 23.34 | 24.74 | 33 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#49 | 23.48 | 24.88 | 33 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 50RB#0 | 22.26 | 23.66 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0  | 22.68 | 24.08 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#24 | 22.77 | 24.17 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#49 | 22.47 | 23.87 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0 | 21.24 | 22.64 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#0  | 22.81 | 24.21 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#24 | 22.72 | 24.12 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#49 | 22.72 | 24.12 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0 | 21.24 | 22.64 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#0  | 22.64 | 24.04 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#24 | 22.93 | 24.33 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#49 | 22.77 | 24.17 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0 | 21.29 | 22.69 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#0  | 23.56 | 24.96 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#38 | 23.29 | 24.69 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#74 | 23.31 | 24.71 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 75RB#0 | 22.22 | 23.62 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#0  | 23.62 | 25.02 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#38 | 23.31 | 24.71 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#74 | 23.31 | 24.71 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 75RB#0 | 22.29 | 23.69 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#0  | 23.43 | 24.83 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#38 | 23.25 | 24.65 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#74 | 23.31 | 24.71 | 33 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 75RB#0 | 22.23 | 23.63 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0  | 22.75 | 24.15 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#38 | 22.60 | 24    | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#74 | 22.61 | 24.01 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0 | 21.29 | 22.69 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#0  | 22.95 | 24.35 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#38 | 22.67 | 24.07 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#74 | 22.71 | 24.11 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0 | 21.39 | 22.79 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0  | 23.05 | 24.45 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#38 | 22.75 | 24.15 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#74 | 22.47 | 23.87 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0 | 21.27 | 22.67 | 33 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#0  | 23.39 | 24.79 | 33 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#49 | 23.13 | 24.53 | 33 | PASS |

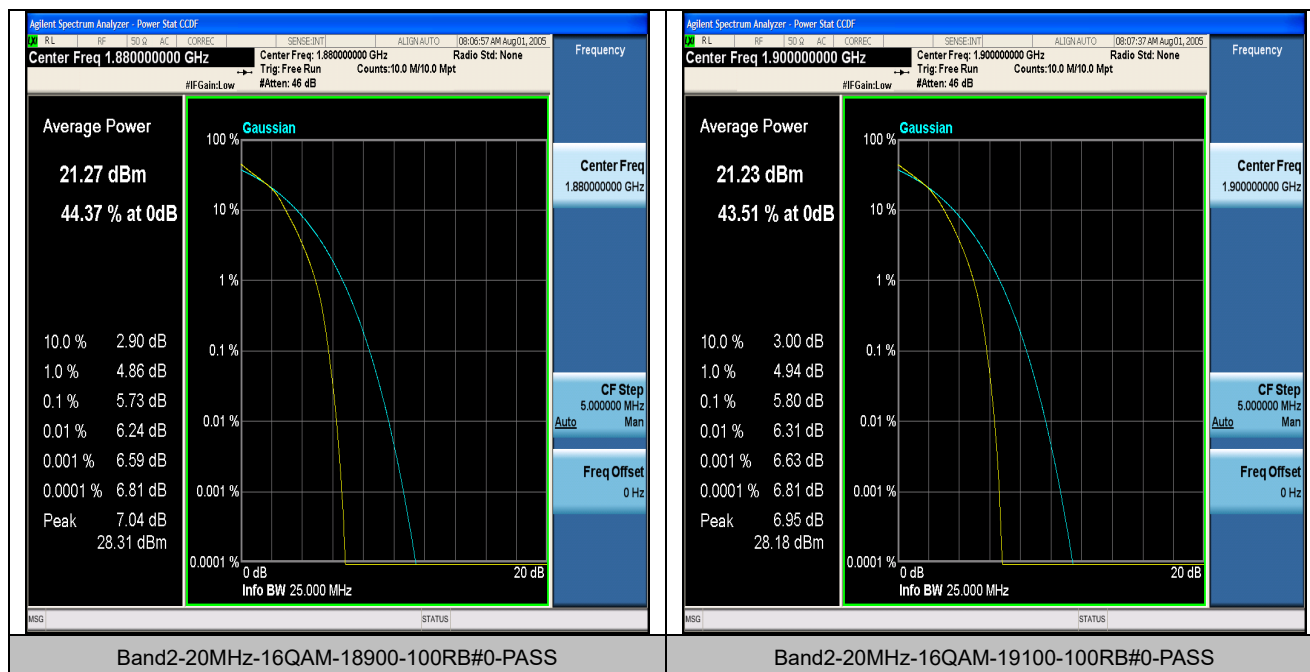
|       |       |       |       |         |       |       |    |      |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band2 | 20MHz | QPSK  | 18700 | 1RB#99  | 23.28 | 24.68 | 33 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 100RB#0 | 22.16 | 23.56 | 33 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#0   | 23.45 | 24.85 | 33 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#49  | 23.32 | 24.72 | 33 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#99  | 23.58 | 24.98 | 33 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 100RB#0 | 22.33 | 23.73 | 33 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#0   | 23.55 | 24.95 | 33 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#49  | 23.22 | 24.62 | 33 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#99  | 23.17 | 24.57 | 33 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 100RB#0 | 22.29 | 23.69 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0   | 22.67 | 24.07 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#49  | 22.79 | 24.19 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#99  | 22.51 | 23.91 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 21.25 | 22.65 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#0   | 22.81 | 24.21 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#49  | 22.75 | 24.15 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#99  | 22.78 | 24.18 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 21.41 | 22.81 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#0   | 22.90 | 24.3  | 33 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#49  | 22.53 | 23.93 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#99  | 22.66 | 24.06 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 21.26 | 22.66 | 33 | PASS |

**Peak-to-Average Ratio(CCDF)****Test Result**

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band2 | 20MHz     | QPSK       | 18700   | 100RB#0          | 5.00       | 13        | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 100RB#0          | 4.99       | 13        | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 100RB#0          | 4.98       | 13        | PASS    |
| Band2 | 20MHz     | 16QAM      | 18700   | 100RB#0          | 5.78       | 13        | PASS    |
| Band2 | 20MHz     | 16QAM      | 18900   | 100RB#0          | 5.73       | 13        | PASS    |
| Band2 | 20MHz     | 16QAM      | 19100   | 100RB#0          | 5.80       | 13        | PASS    |

## Test Graphs



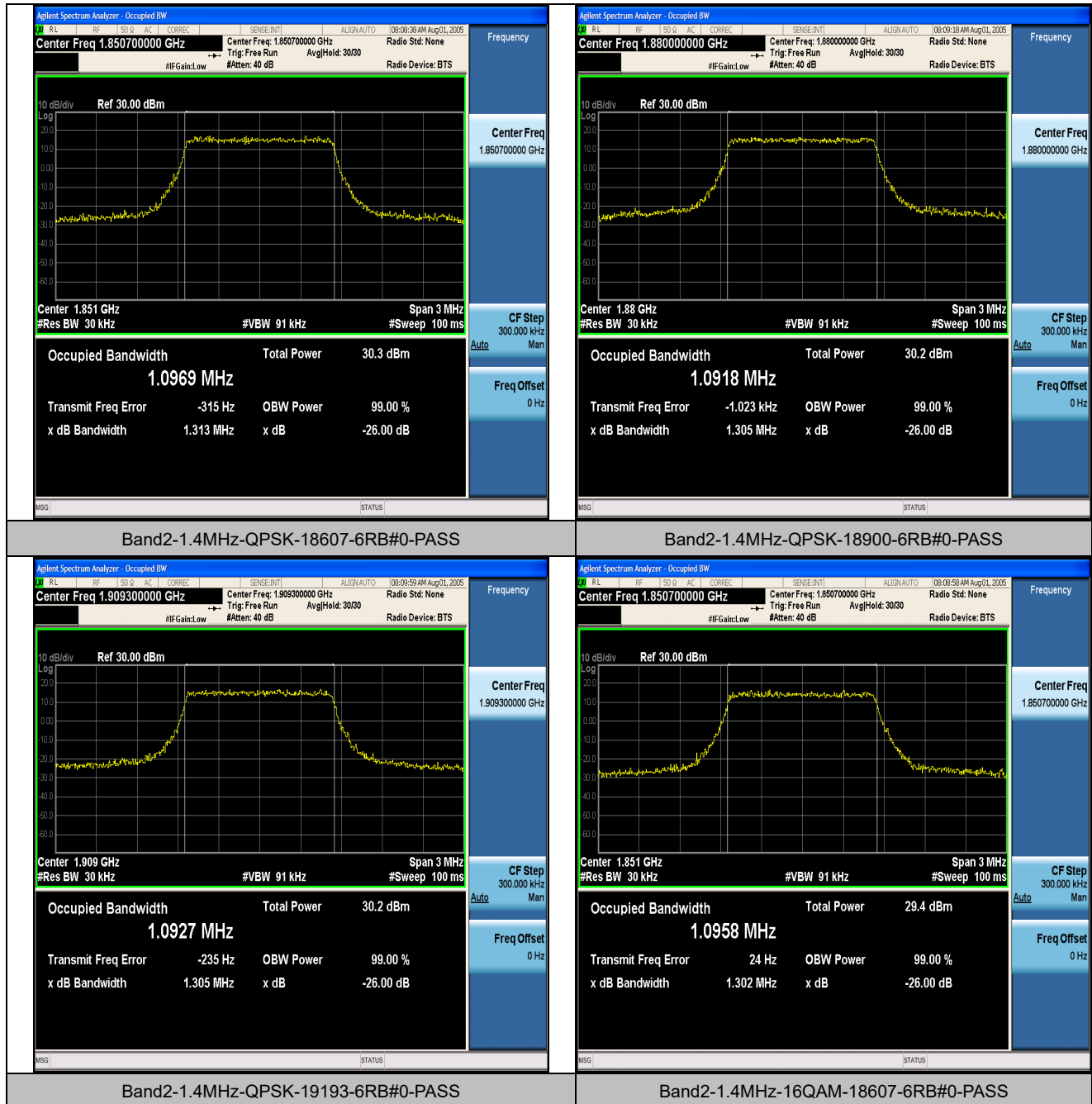


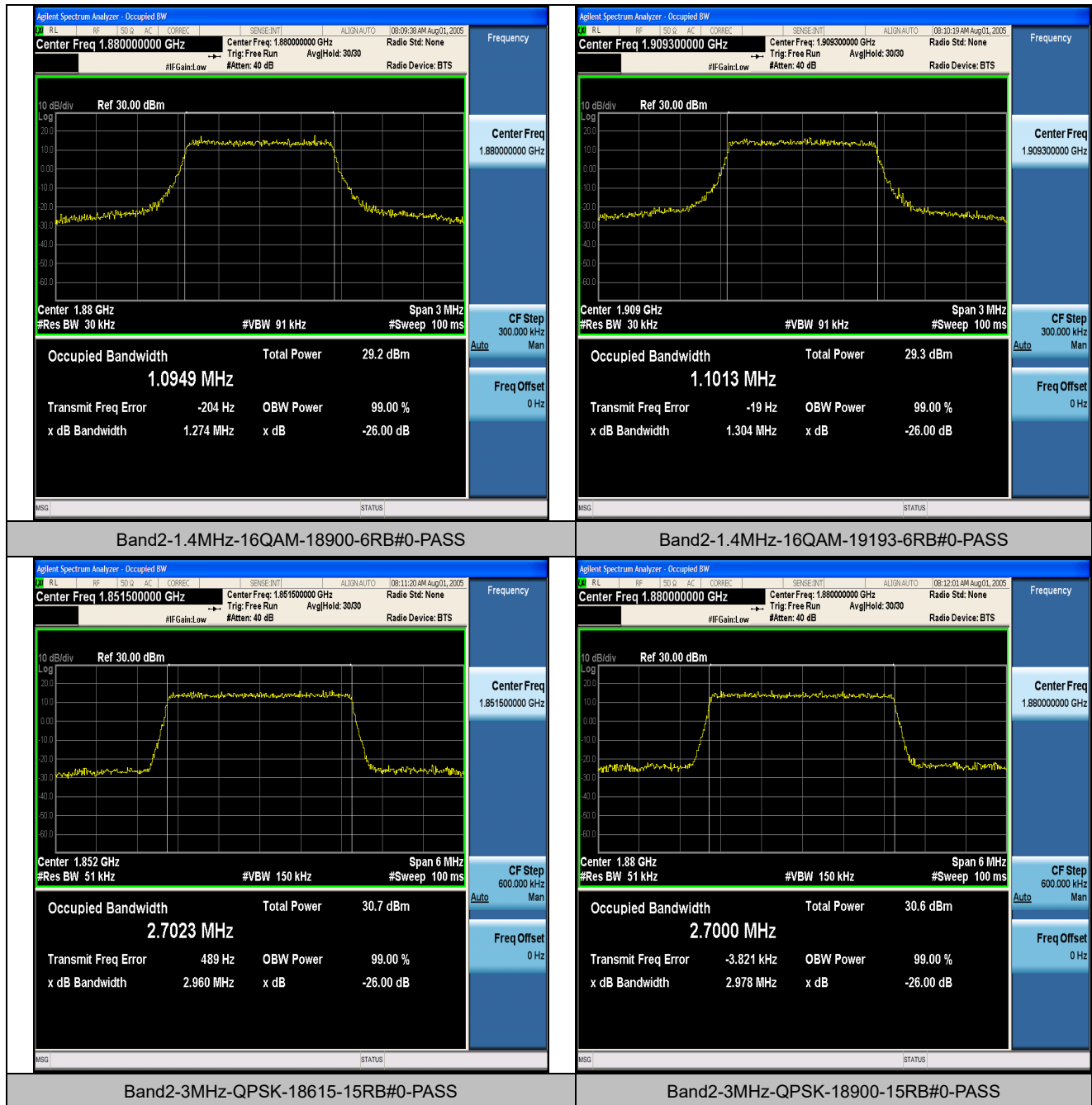
## 26dB Bandwidth and Occupied Bandwidth

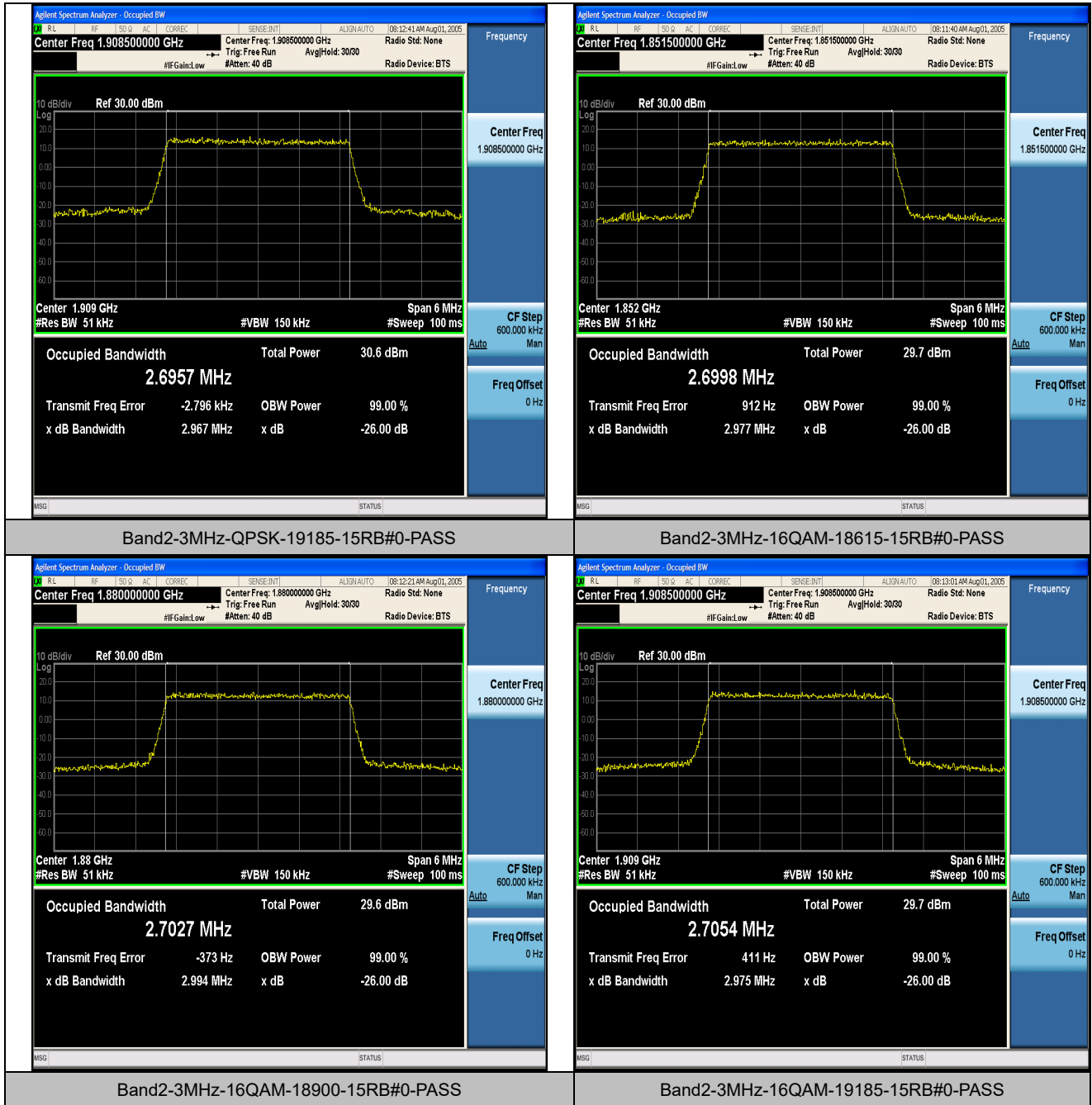
### Test Result

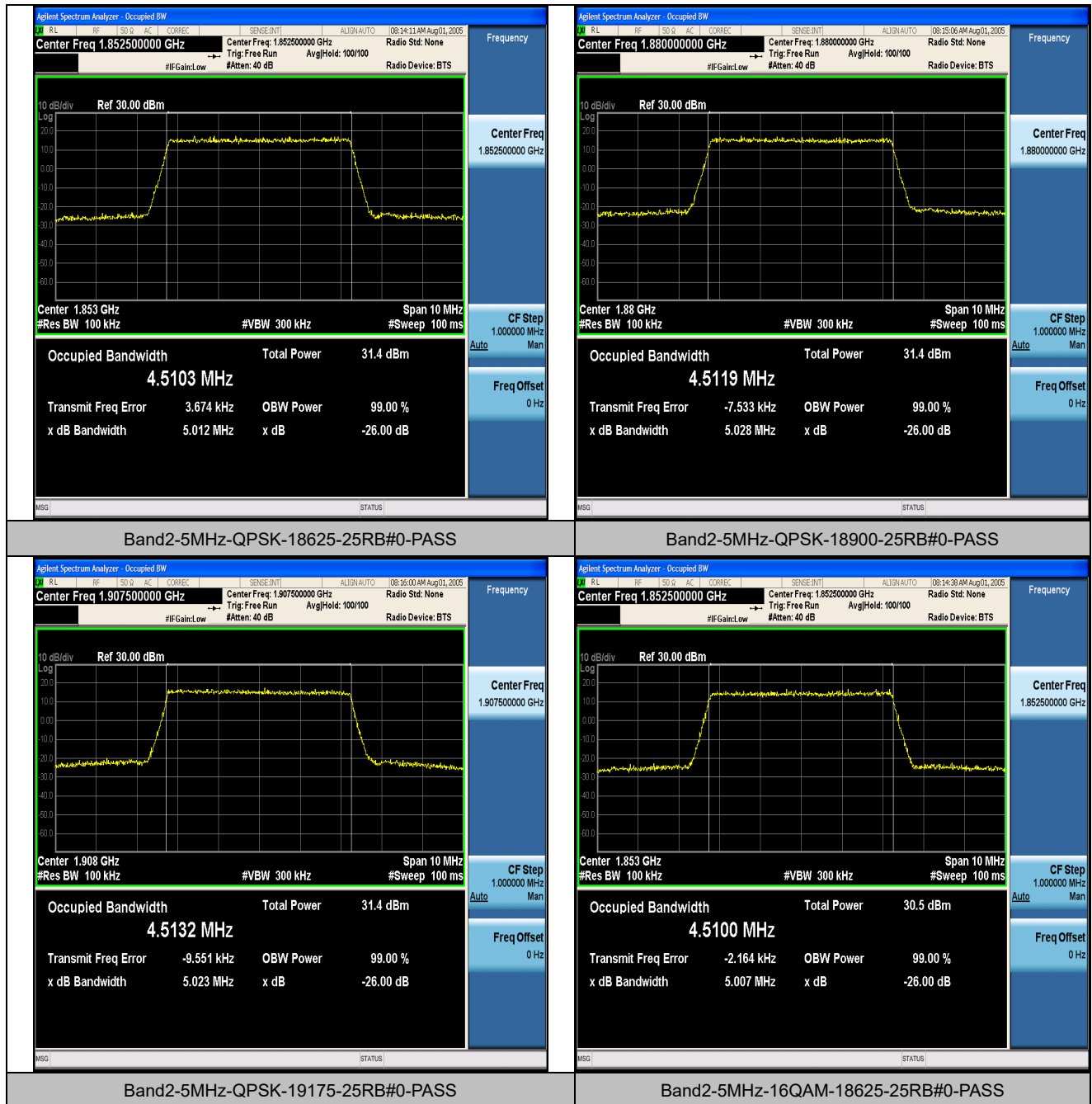
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | Verdict |
|-------|-----------|------------|---------|------------------|-----------------------------|-------------------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0            | 1.0969                      | 1.313                   | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0            | 1.0918                      | 1.305                   | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0            | 1.0927                      | 1.305                   | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 6RB#0            | 1.0958                      | 1.302                   | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 6RB#0            | 1.0949                      | 1.274                   | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 6RB#0            | 1.1013                      | 1.304                   | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 15RB#0           | 2.7023                      | 2.960                   | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 15RB#0           | 2.7000                      | 2.978                   | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 15RB#0           | 2.6957                      | 2.967                   | PASS    |
| Band2 | 3MHz      | 16QAM      | 18615   | 15RB#0           | 2.6998                      | 2.977                   | PASS    |
| Band2 | 3MHz      | 16QAM      | 18900   | 15RB#0           | 2.7027                      | 2.994                   | PASS    |
| Band2 | 3MHz      | 16QAM      | 19185   | 15RB#0           | 2.7054                      | 2.975                   | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 25RB#0           | 4.5103                      | 5.012                   | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 25RB#0           | 4.5119                      | 5.028                   | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 25RB#0           | 4.5132                      | 5.023                   | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 25RB#0           | 4.5100                      | 5.007                   | PASS    |
| Band2 | 5MHz      | 16QAM      | 18900   | 25RB#0           | 4.5049                      | 5.019                   | PASS    |
| Band2 | 5MHz      | 16QAM      | 19175   | 25RB#0           | 4.5088                      | 5.045                   | PASS    |
| Band2 | 10MHz     | QPSK       | 18650   | 50RB#0           | 8.9736                      | 9.869                   | PASS    |
| Band2 | 10MHz     | QPSK       | 18900   | 50RB#0           | 8.9899                      | 9.888                   | PASS    |
| Band2 | 10MHz     | QPSK       | 19150   | 50RB#0           | 8.9704                      | 9.894                   | PASS    |
| Band2 | 10MHz     | 16QAM      | 18650   | 50RB#0           | 8.9804                      | 9.975                   | PASS    |
| Band2 | 10MHz     | 16QAM      | 18900   | 50RB#0           | 8.9756                      | 9.920                   | PASS    |
| Band2 | 10MHz     | 16QAM      | 19150   | 50RB#0           | 8.9694                      | 9.889                   | PASS    |
| Band2 | 15MHz     | QPSK       | 18675   | 75RB#0           | 13.478                      | 14.80                   | PASS    |
| Band2 | 15MHz     | QPSK       | 18900   | 75RB#0           | 13.497                      | 14.82                   | PASS    |
| Band2 | 15MHz     | QPSK       | 19125   | 75RB#0           | 13.441                      | 14.65                   | PASS    |
| Band2 | 15MHz     | 16QAM      | 18675   | 75RB#0           | 13.460                      | 14.75                   | PASS    |
| Band2 | 15MHz     | 16QAM      | 18900   | 75RB#0           | 13.491                      | 14.80                   | PASS    |
| Band2 | 15MHz     | 16QAM      | 19125   | 75RB#0           | 13.455                      | 14.73                   | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 100RB#0          | 17.939                      | 19.55                   | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 100RB#0          | 17.981                      | 19.65                   | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 100RB#0          | 17.890                      | 19.40                   | PASS    |
| Band2 | 20MHz     | 16QAM      | 18700   | 100RB#0          | 17.957                      | 19.53                   | PASS    |
| Band2 | 20MHz     | 16QAM      | 18900   | 100RB#0          | 17.946                      | 19.50                   | PASS    |
| Band2 | 20MHz     | 16QAM      | 19100   | 100RB#0          | 17.920                      | 19.41                   | PASS    |

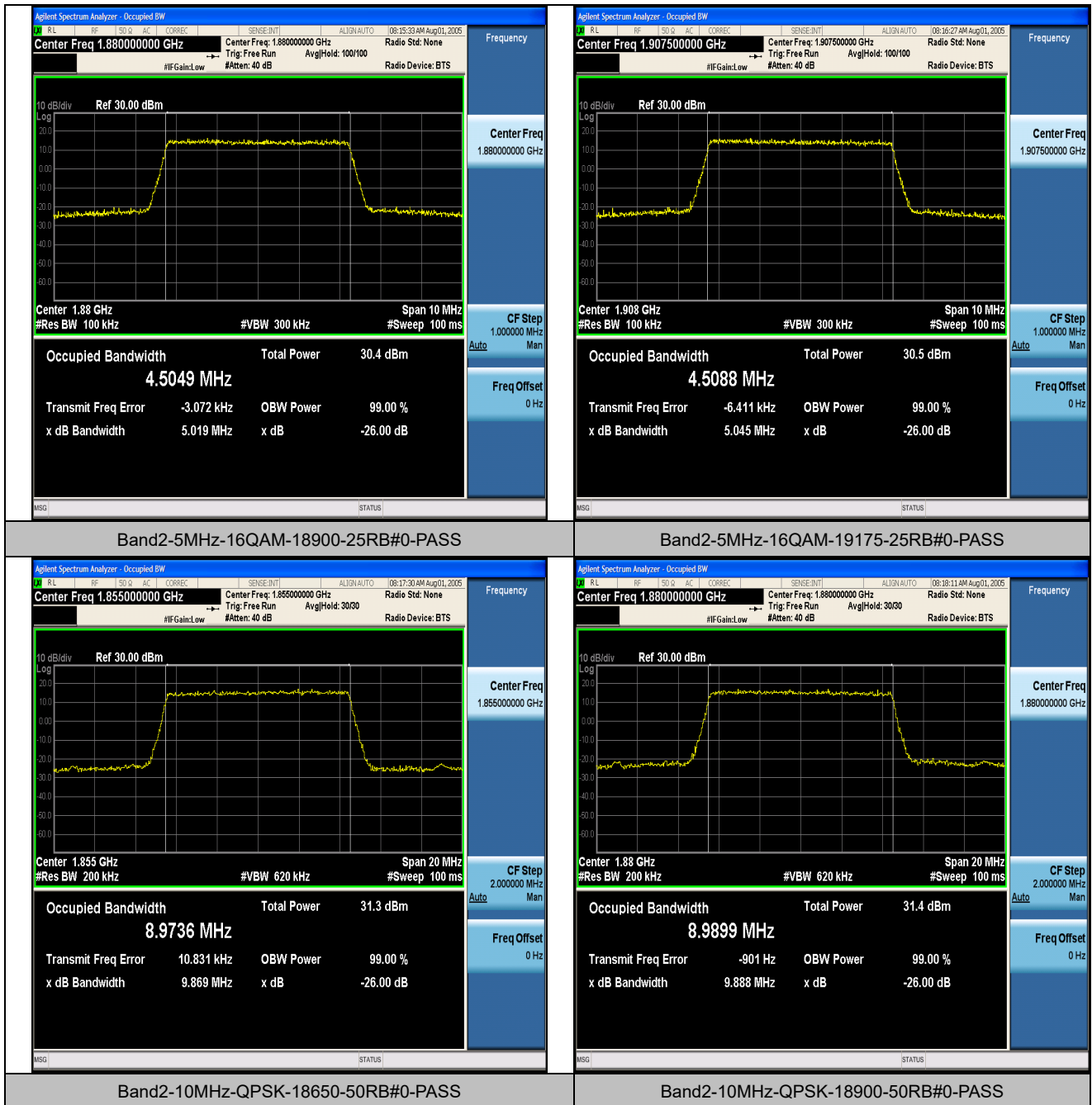
## Test Graphs



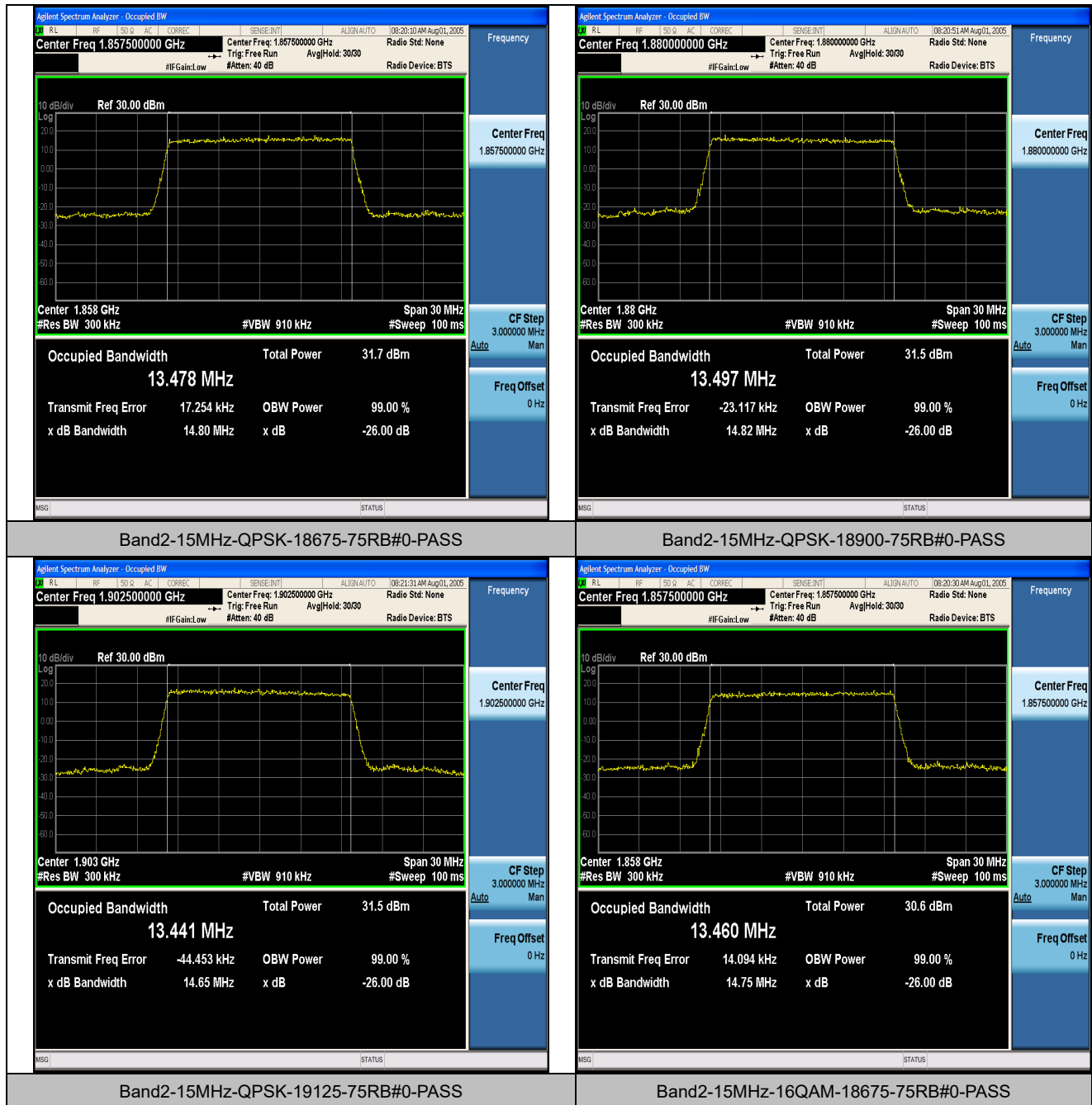


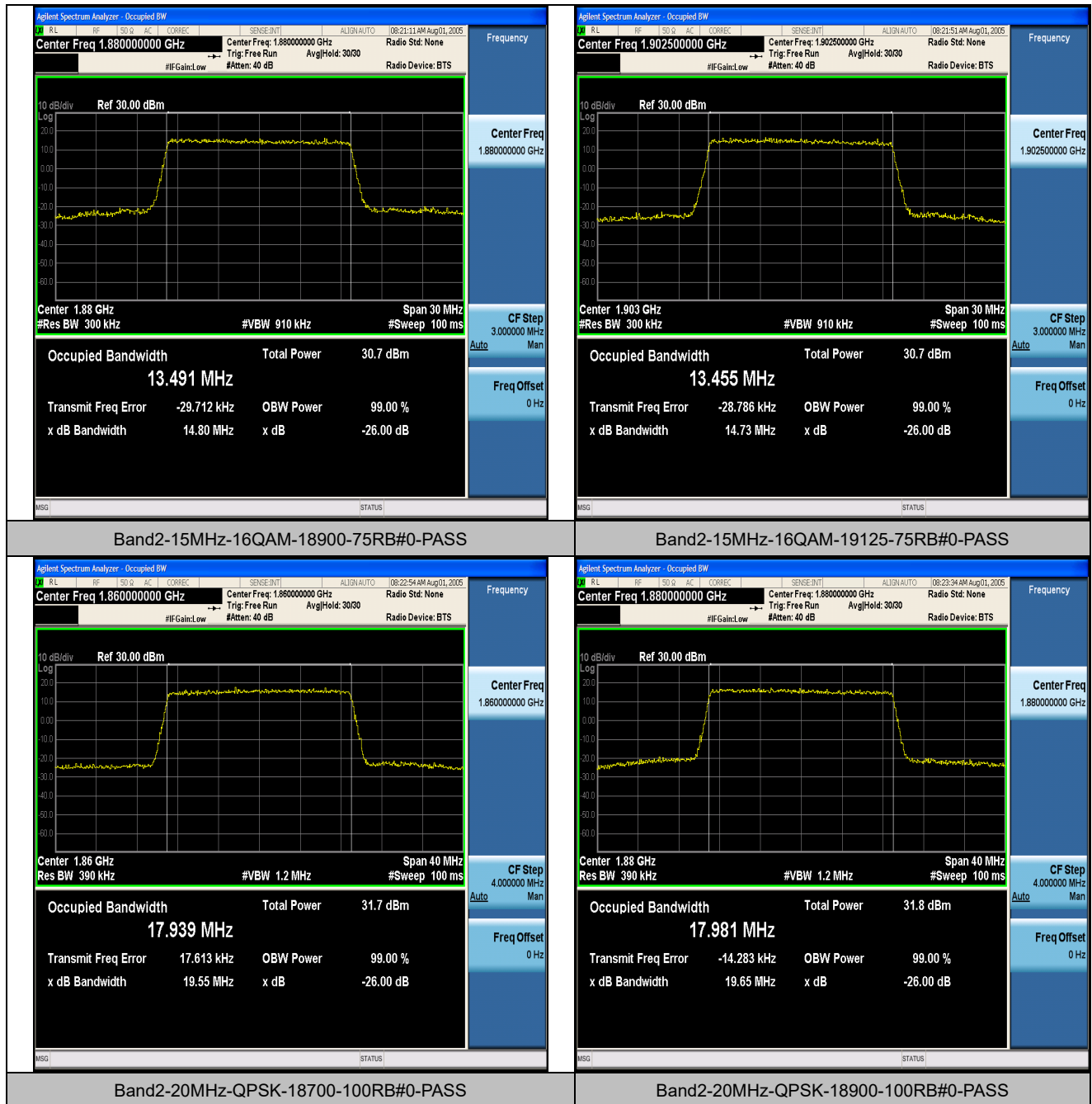


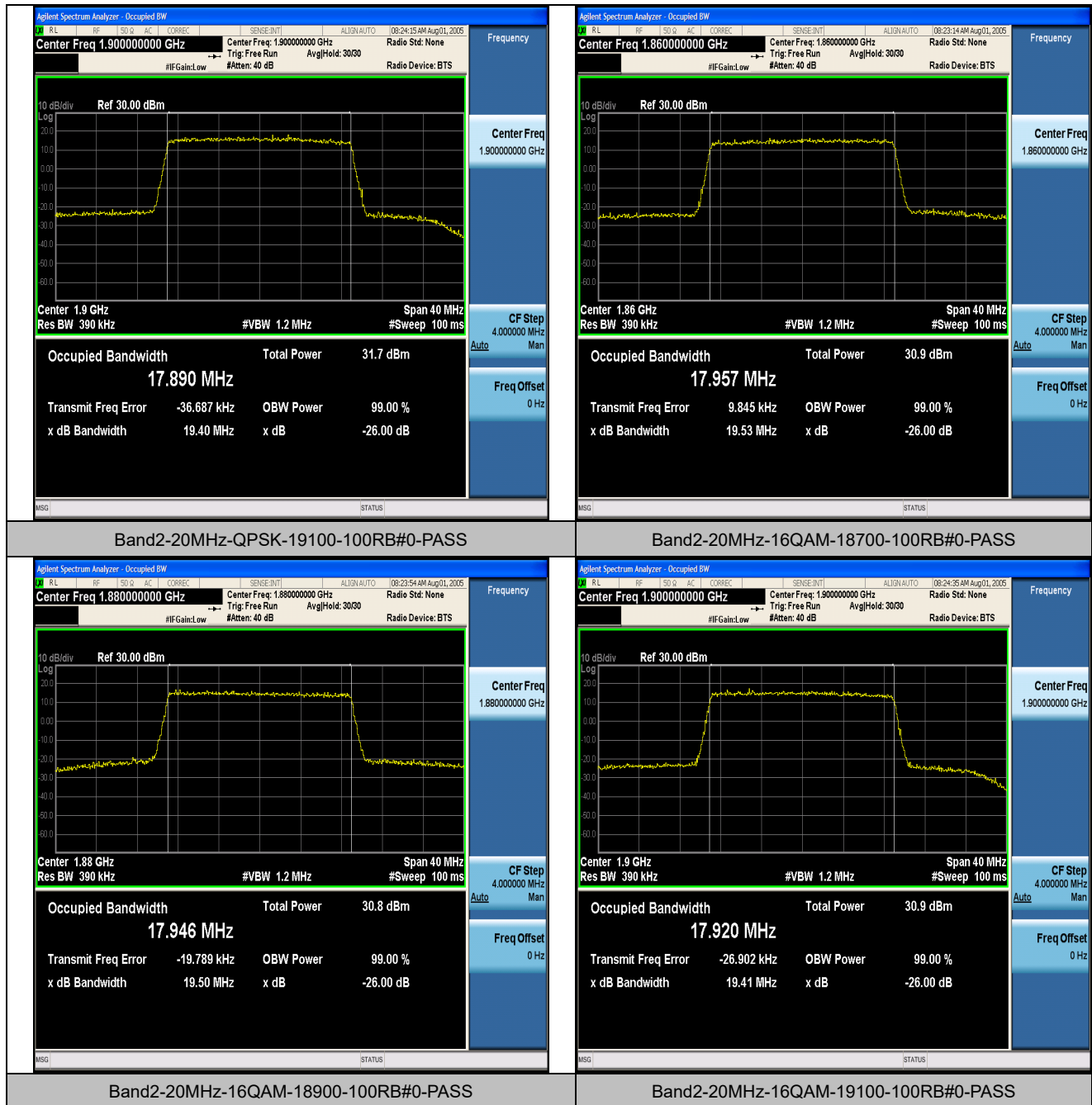






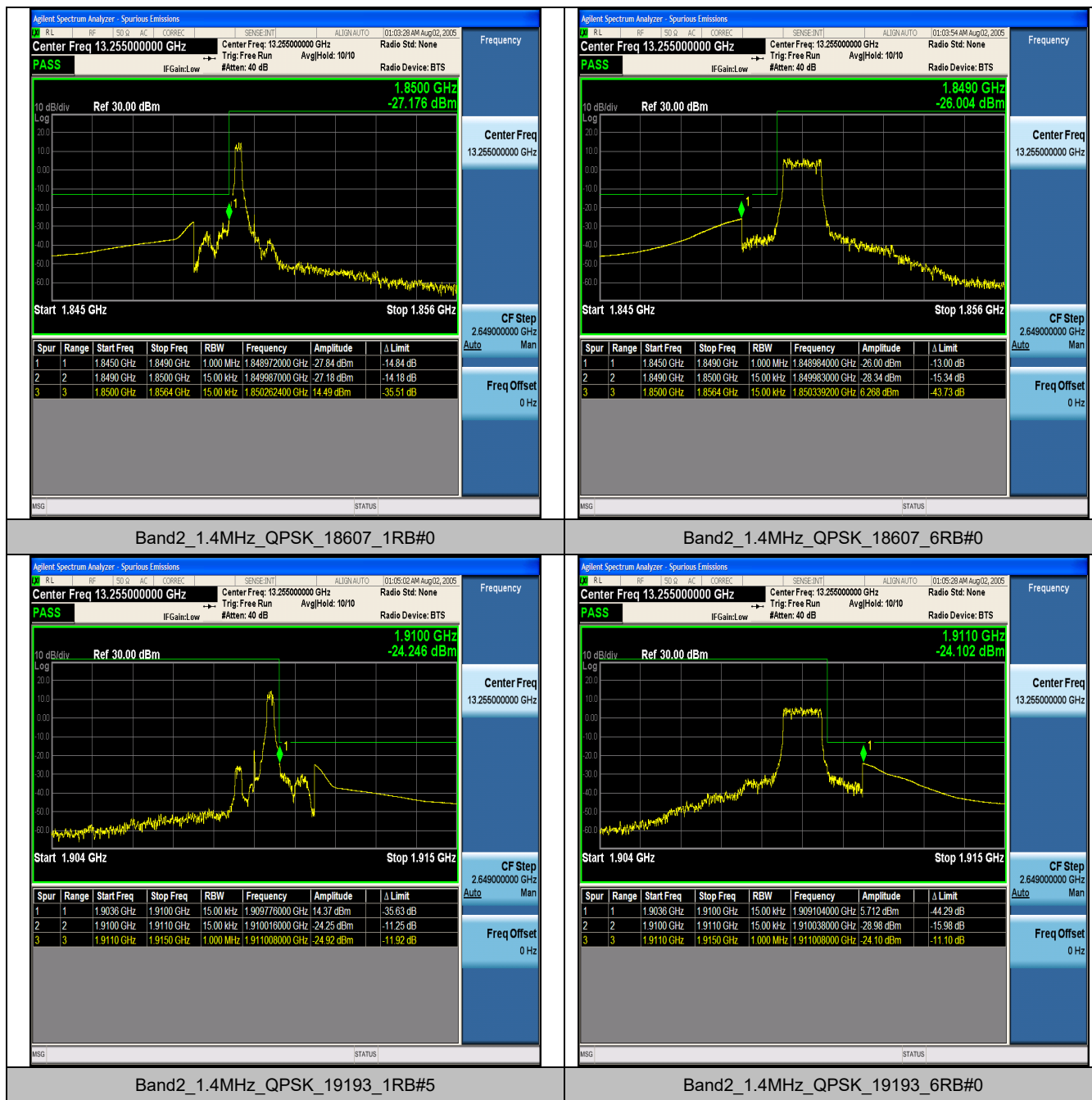


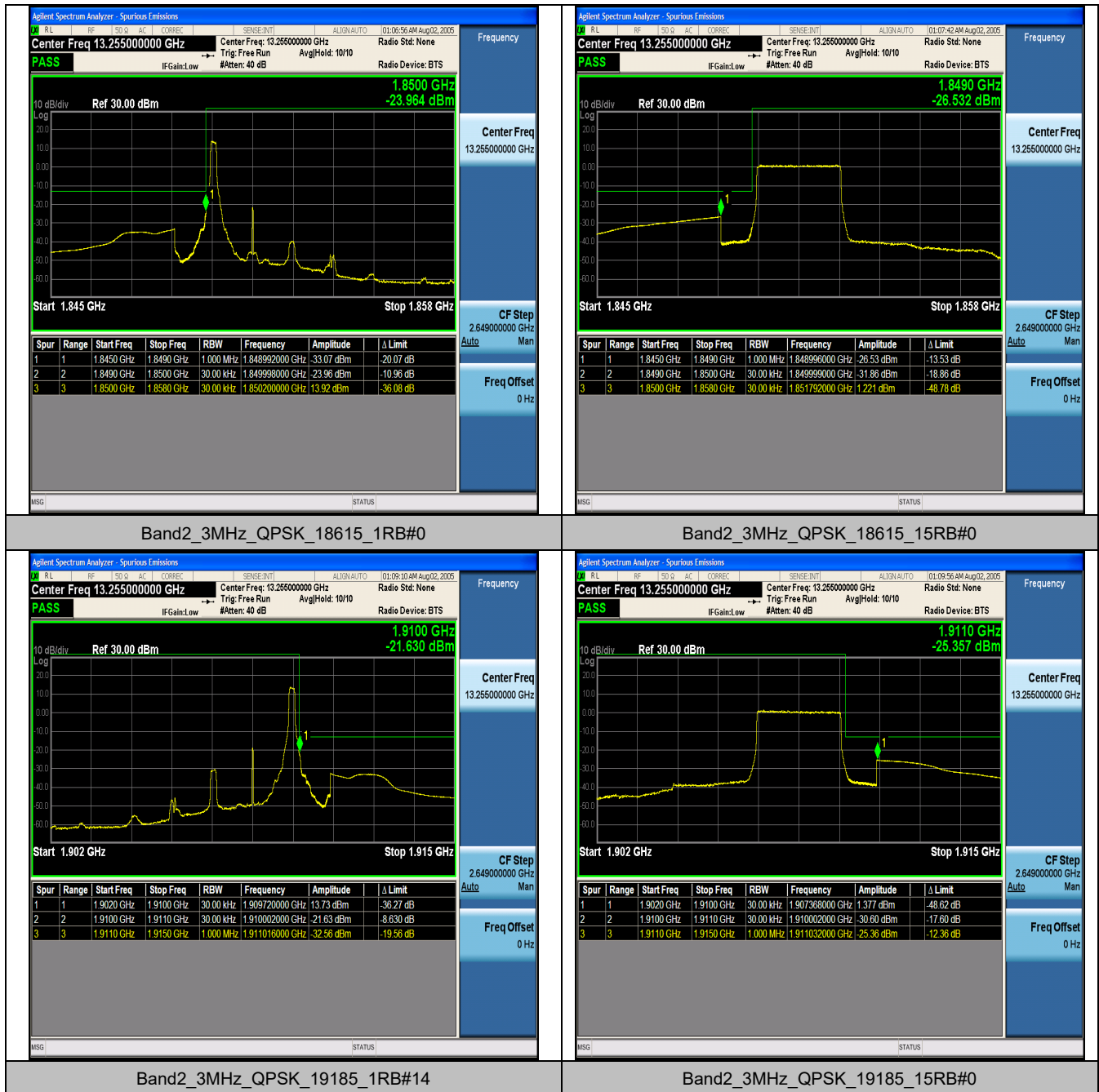


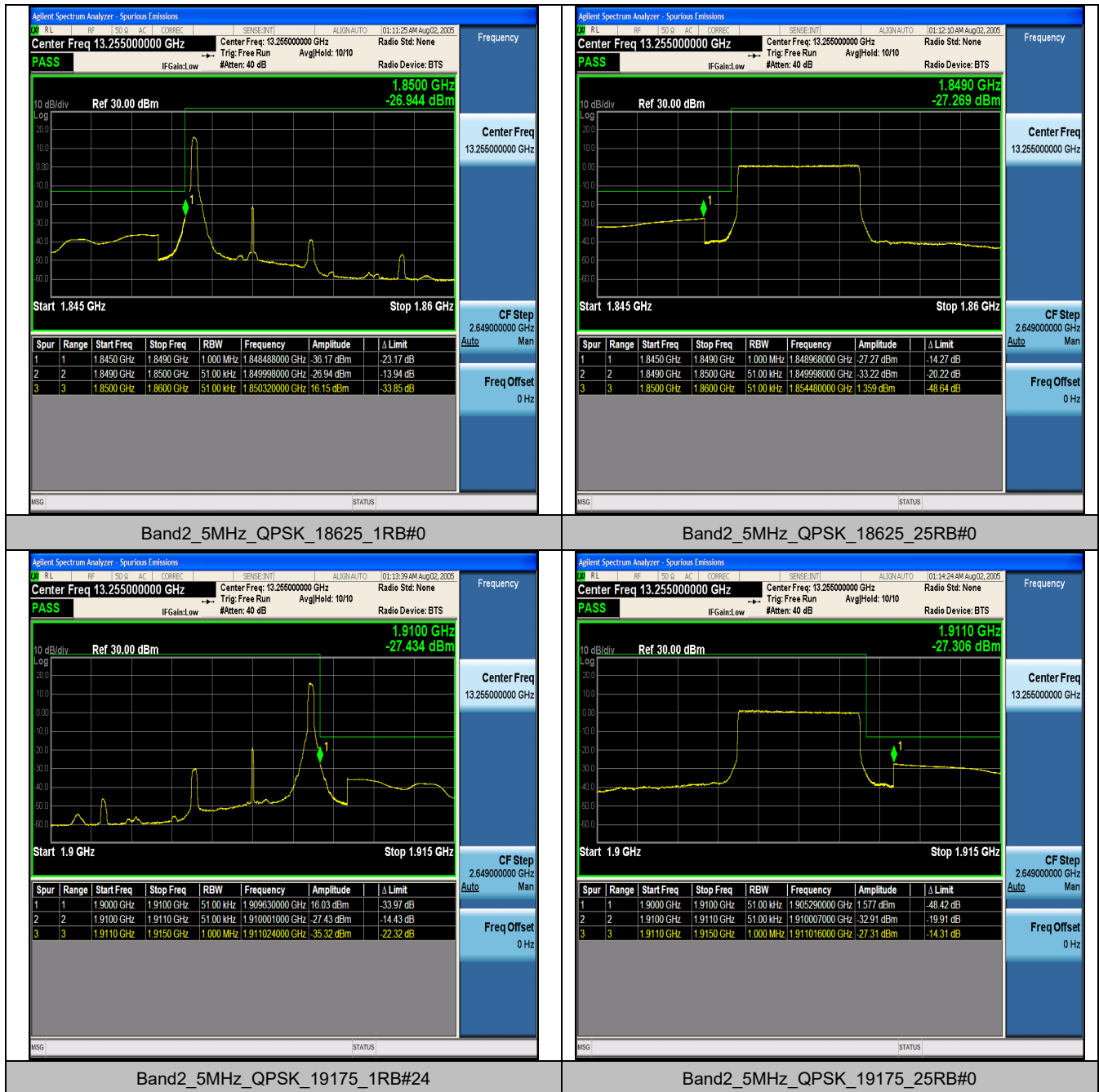


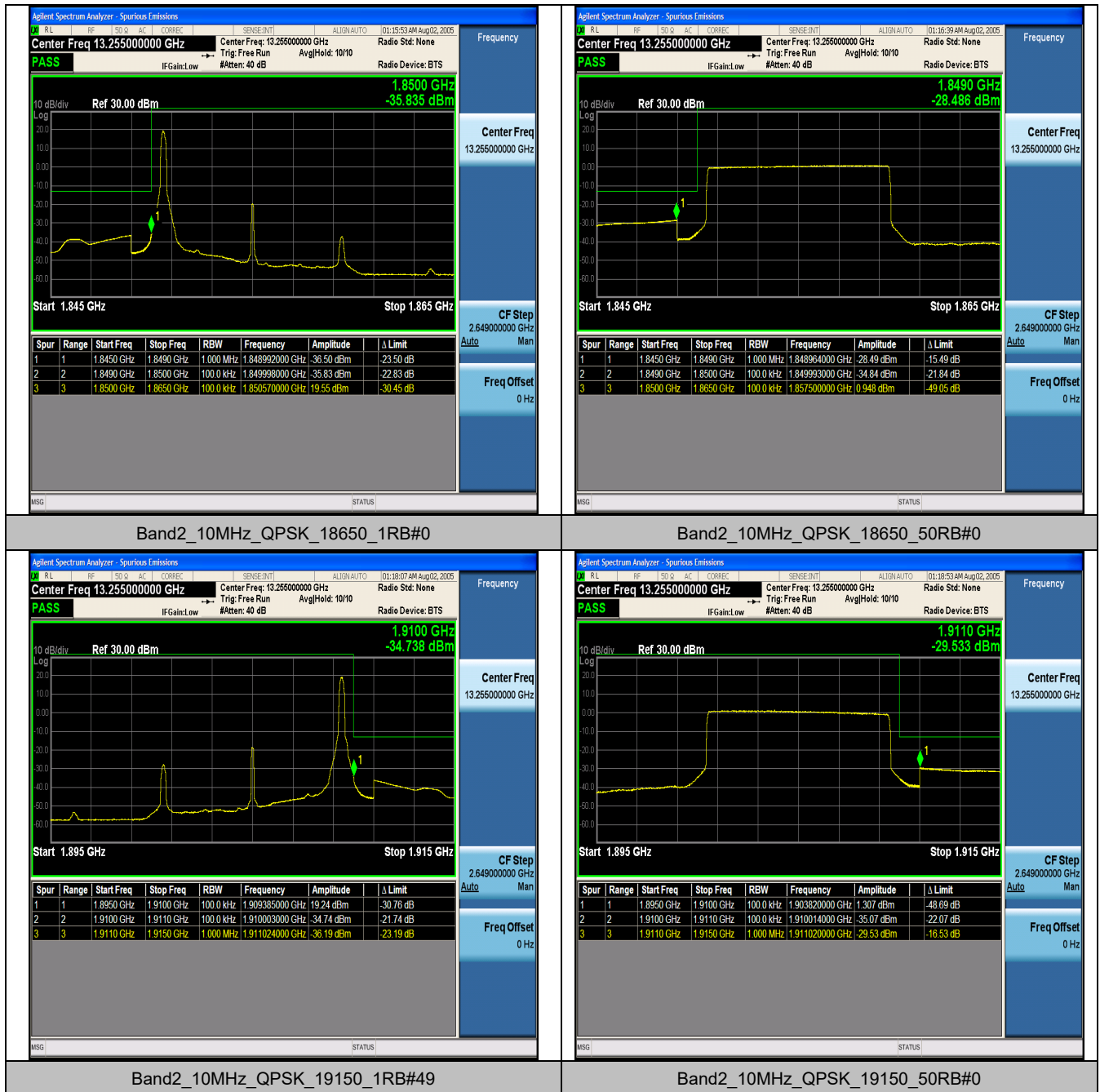
## Band Edge

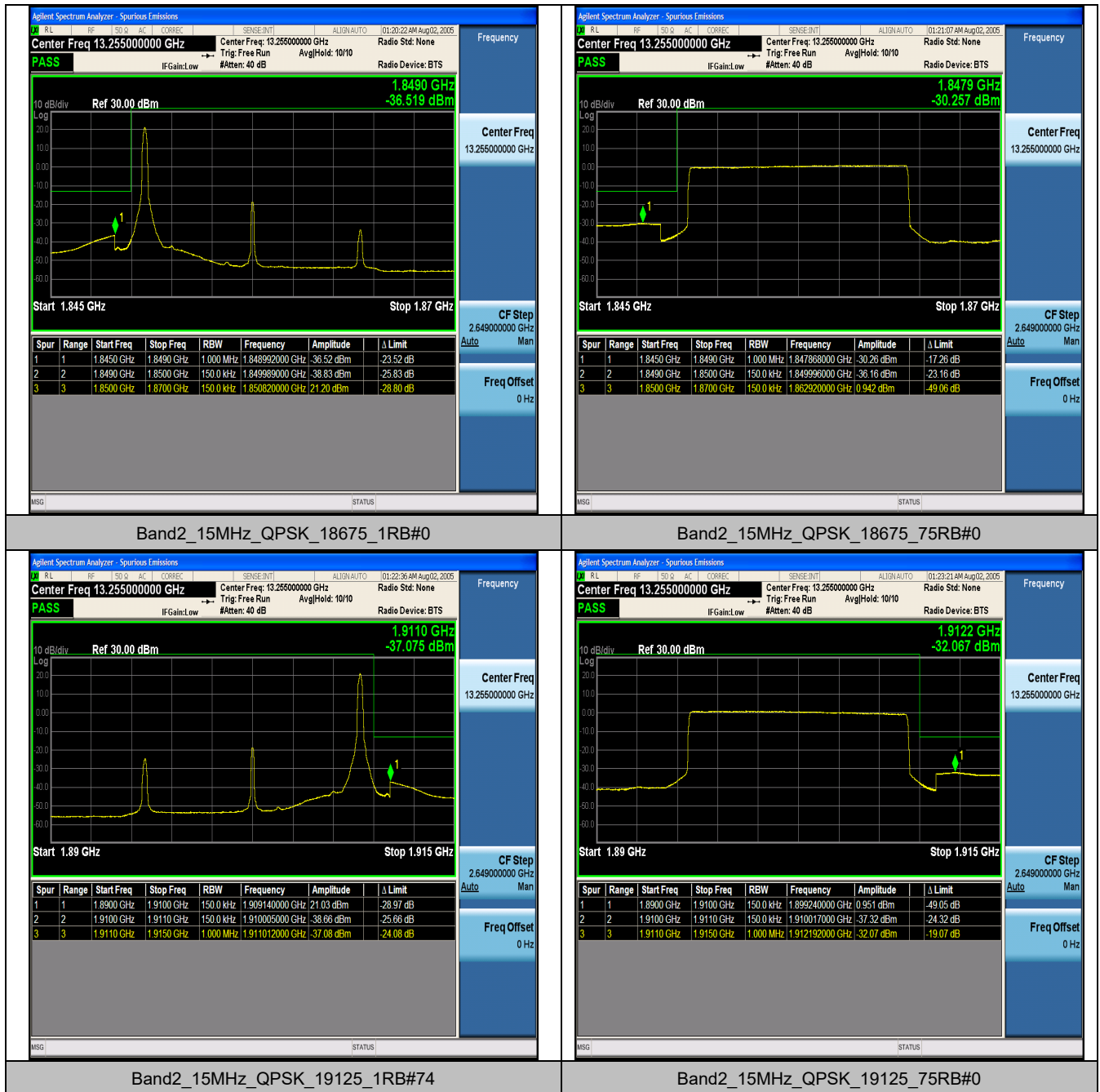
## Test Graphs

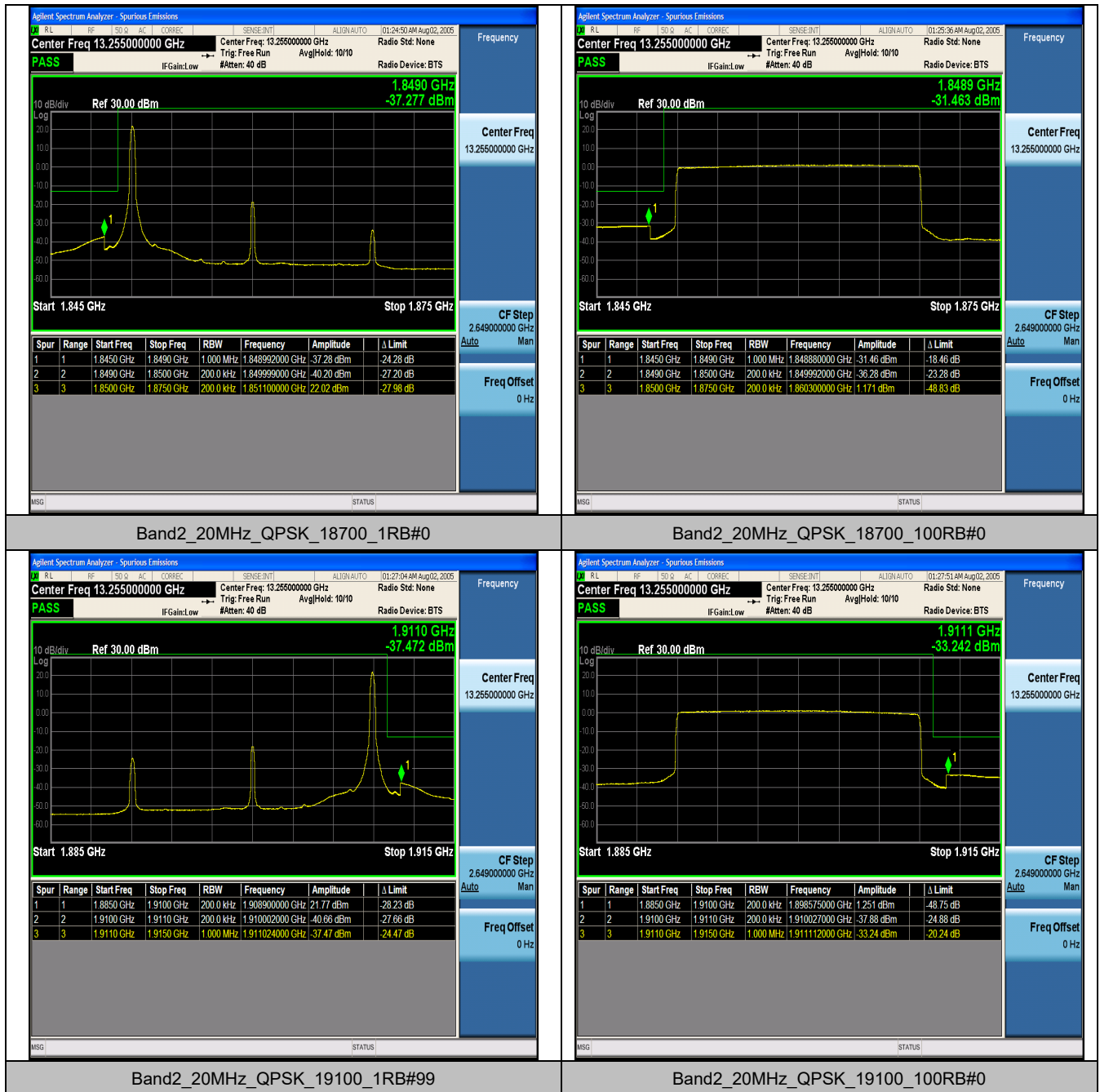






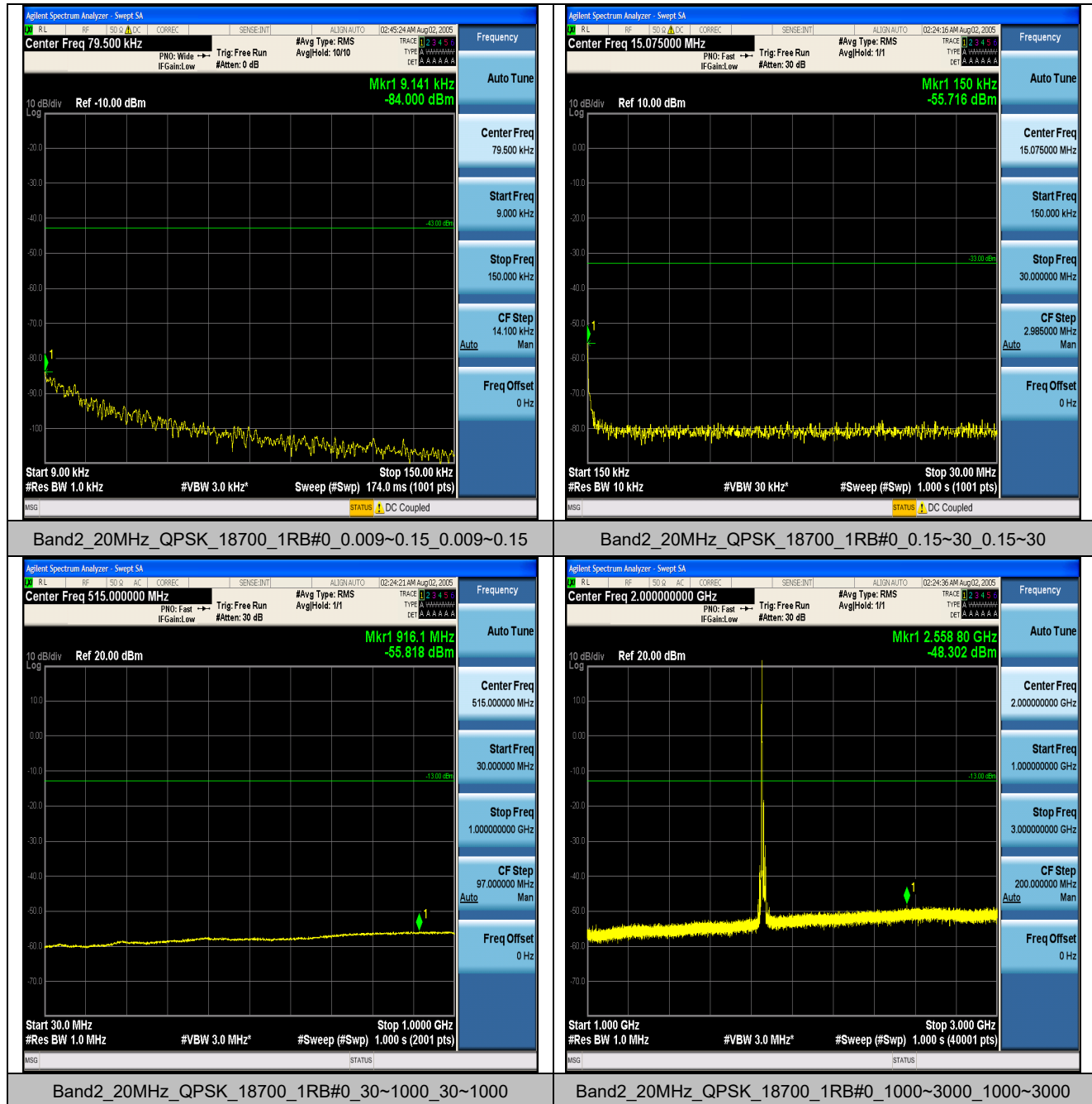


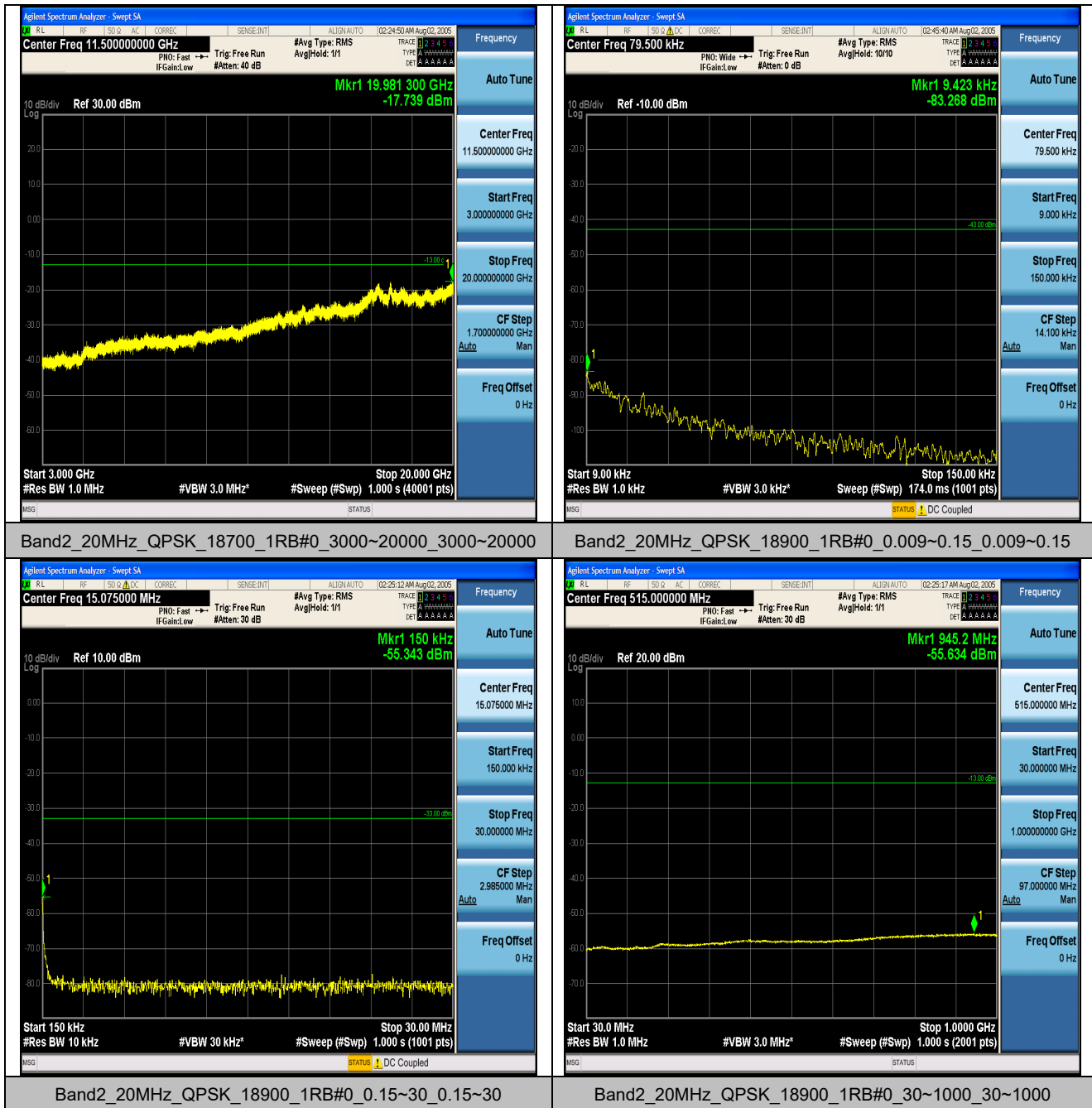


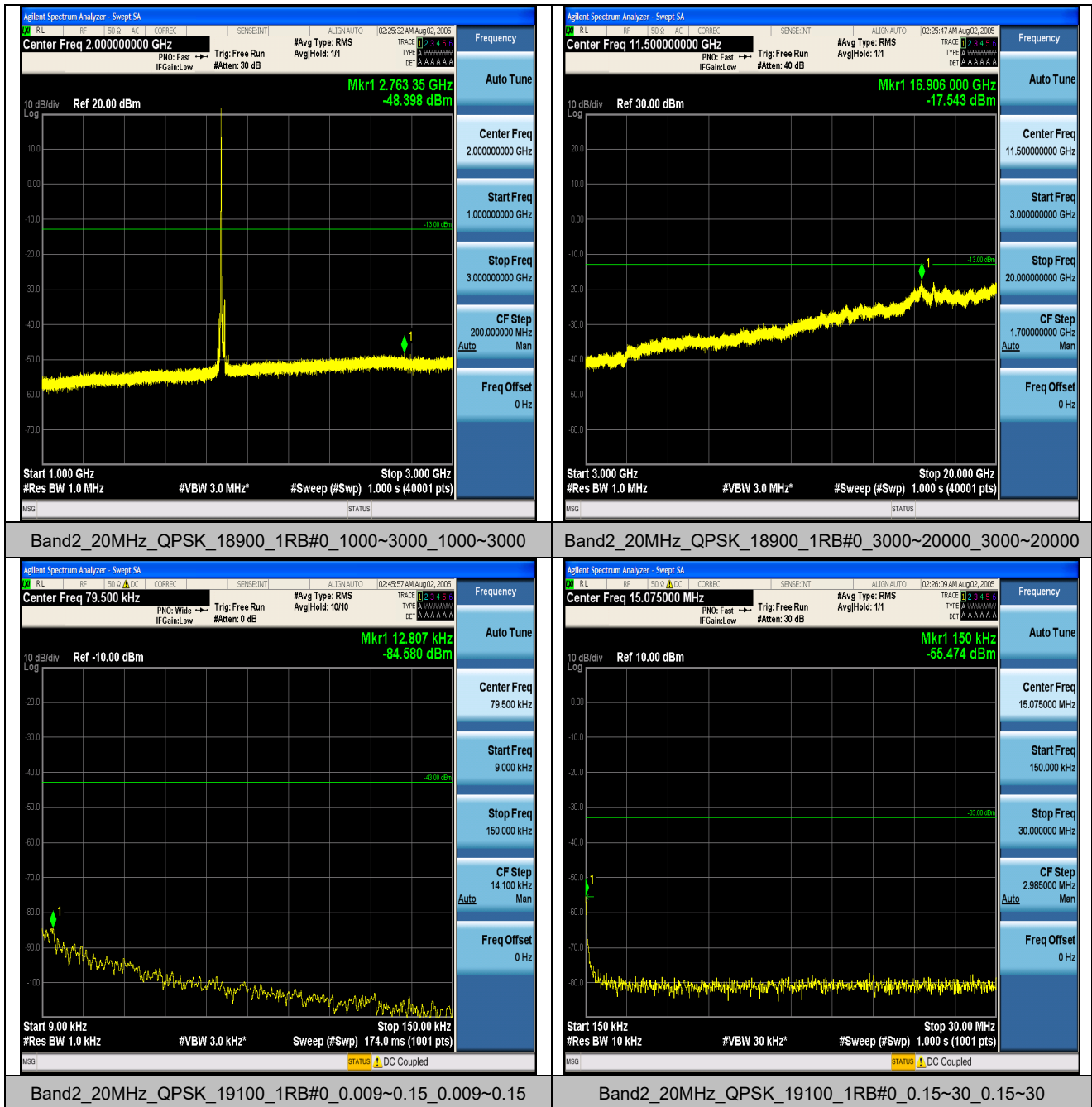


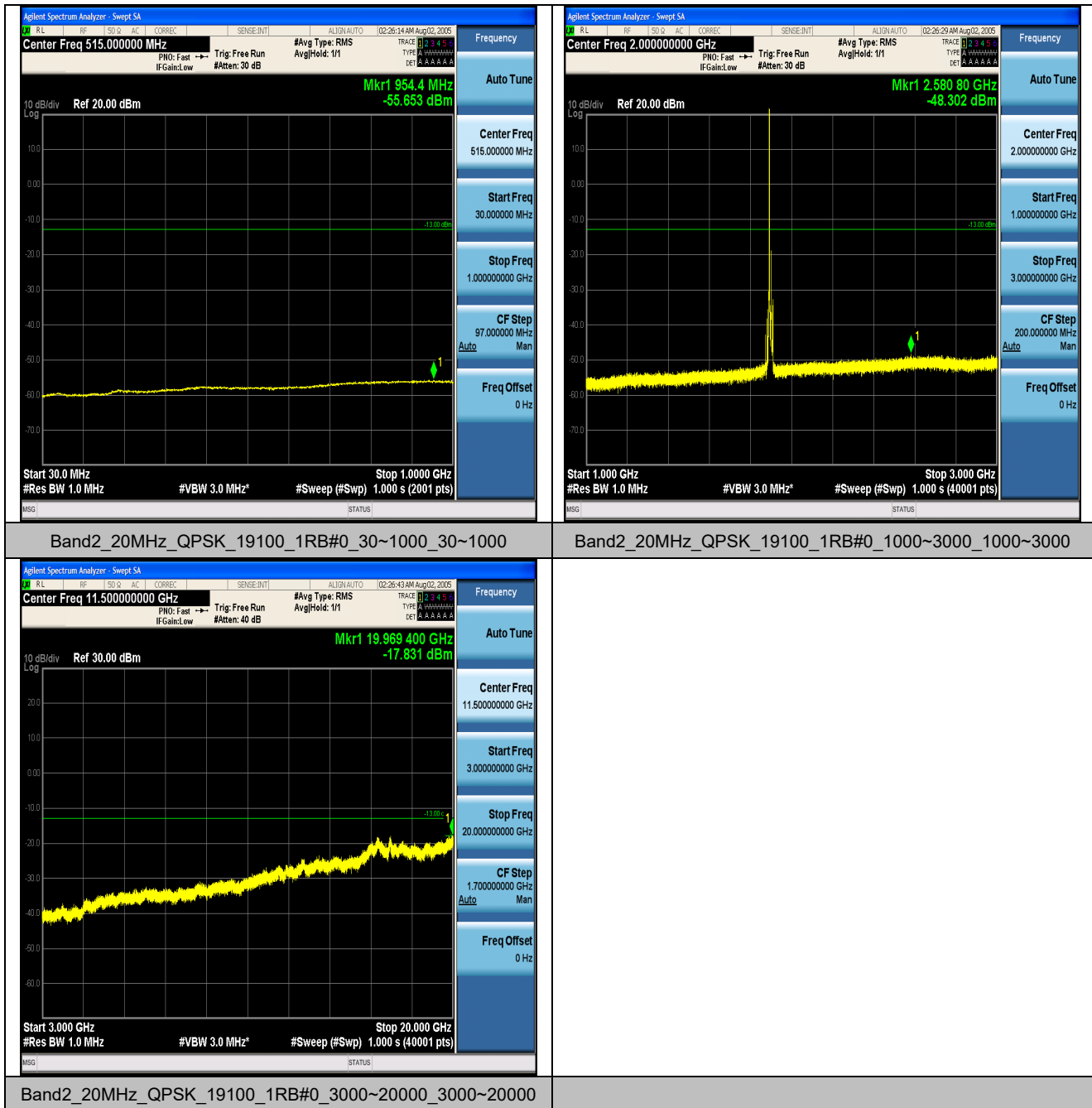
## Conducted Spurious Emission

### Test Graphs









## Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VN            | NT               | -4.40          | -0.002340       | PASS    |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VL            | NT               | -2.50          | -0.001330       | PASS    |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VH            | NT               | -3.40          | -0.001809       | PASS    |
| Band2   | 20MHz     | 16QAM      | 18900   | 100RB#0      | VN            | NT               | -3.70          | -0.001968       | PASS    |
| Band2   | 20MHz     | 16QAM      | 18900   | 100RB#0      | VL            | NT               | -3.60          | -0.001915       | PASS    |
| Band2   | 20MHz     | 16QAM      | 18900   | 100RB#0      | VH            | NT               | -2.40          | -0.001277       | PASS    |

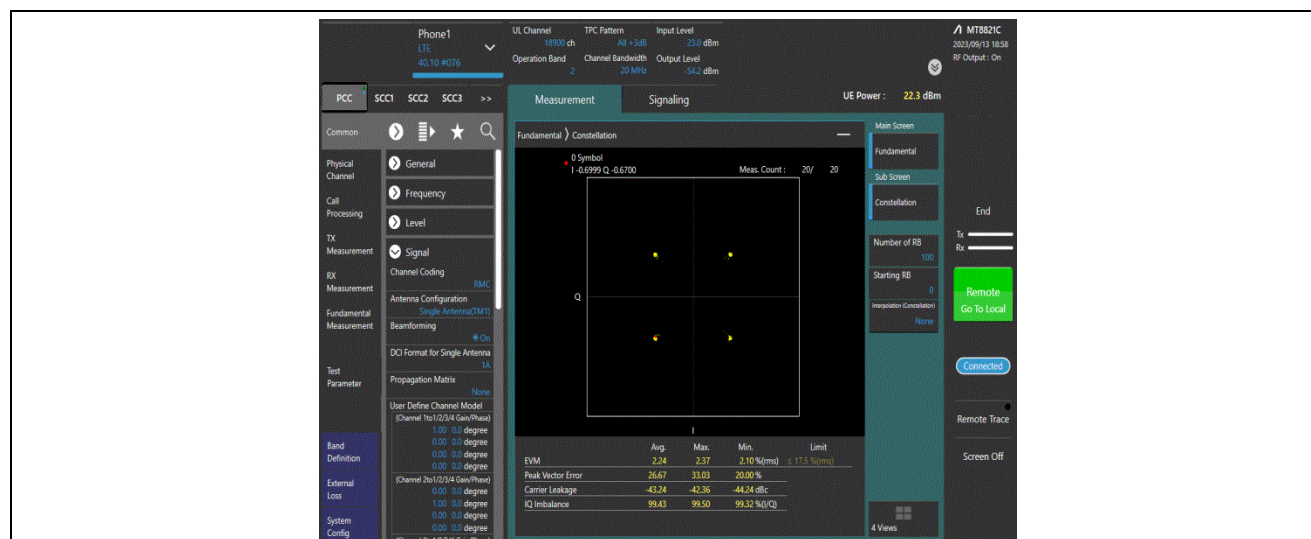
| Temperature |           |            |         |              |               |                  |                |                 |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | -30              | -4.80          | -0.002553       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | -20              | -3.30          | -0.001755       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | -10              | -4.40          | -0.002340       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 0                | -3.00          | -0.001596       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 10               | -3.90          | -0.002074       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 20               | -3.20          | -0.001702       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 30               | -2.90          | -0.001543       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 40               | -3.10          | -0.001649       | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 50               | -4.40          | -0.002340       | PASS    |
| Band2       | 20MHz     | 16QAM      | 18900   | 100RB#0      | NV            | -30              | -3.60          | -0.001915       | PASS    |
| Band2       | 20MHz     | 16QAM      | 18900   | 100RB#0      | NV            | -20              | -2.60          | -0.001383       | PASS    |
| Band2       | 20MHz     | 16QAM      | 18900   | 100RB#0      | NV            | -10              | -3.50          | -0.001862       | PASS    |
| Band2       | 20MHz     | 16QAM      | 18900   | 100RB#0      | NV            | 0                | -2.90          | -0.001543       | PASS    |
| Band2       | 20MHz     | 16QAM      | 18900   | 100RB#0      | NV            | 10               | -3.60          | -0.001915       | PASS    |
| Band2       | 20MHz     | 16QAM      | 18900   | 100RB#0      | NV            | 20               | -3.00          | -0.001596       | PASS    |
| Band2       | 20MHz     | 16QAM      | 18900   | 100RB#0      | NV            | 30               | -3.60          | -0.001915       | PASS    |
| Band2       | 20MHz     | 16QAM      | 18900   | 100RB#0      | NV            | 40               | -3.00          | -0.001596       | PASS    |
| Band2       | 20MHz     | 16QAM      | 18900   | 100RB#0      | NV            | 50               | -2.70          | -0.001436       | PASS    |

## Modulation Characteristics

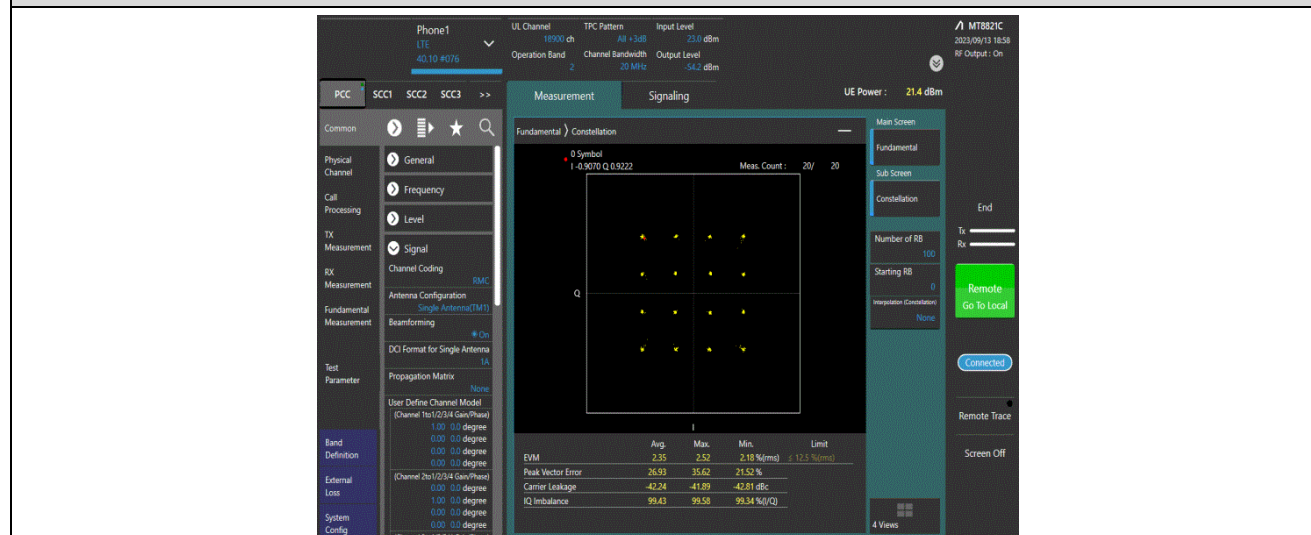
### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result | Verdict |
|-------|-----------|------------|---------|------------------|--------|---------|
| Band2 | 20MHz     | QPSK       | 18900   | 100RB#0          | PASS   | PASS    |
| Band2 | 20MHz     | 16QAM      | 18900   | 100RB#0          | PASS   | PASS    |

## Test Graphs



Band2-20MHz-QPSK-18900-100RB#0

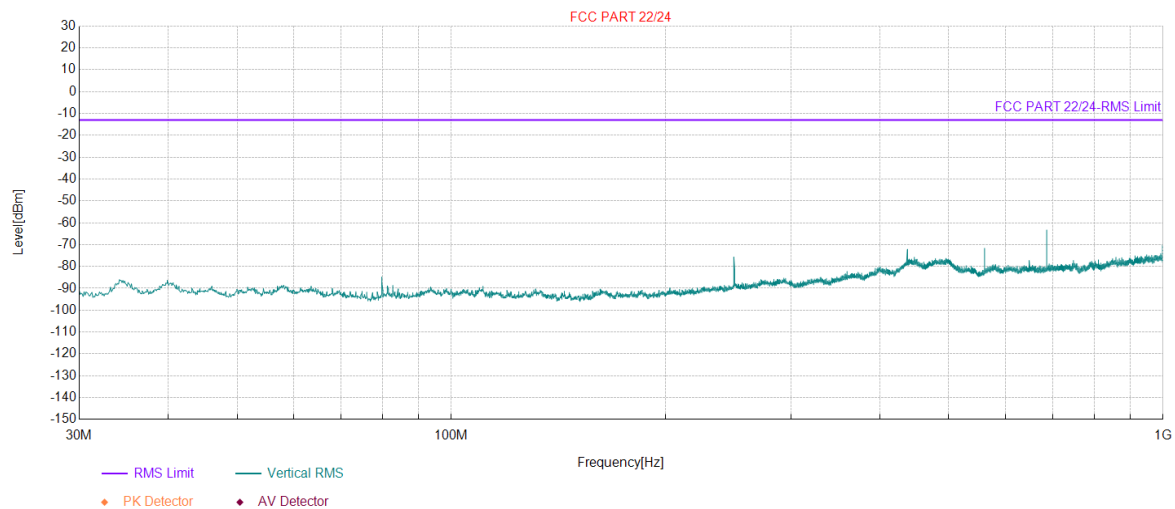
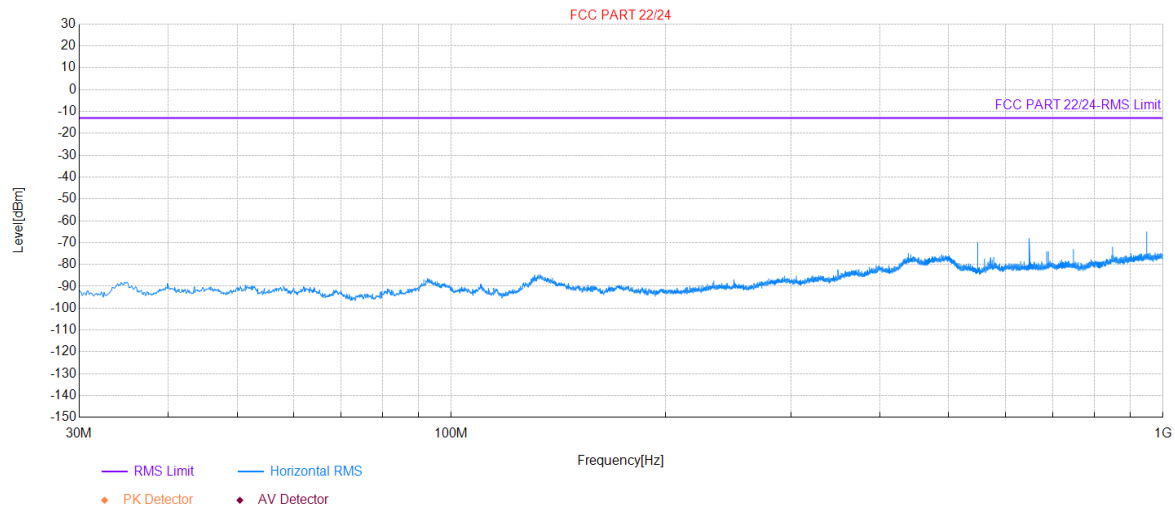


Band2-20MHz-16QAM-18900-100RB#0

## Field Strength of Spurious Radiation

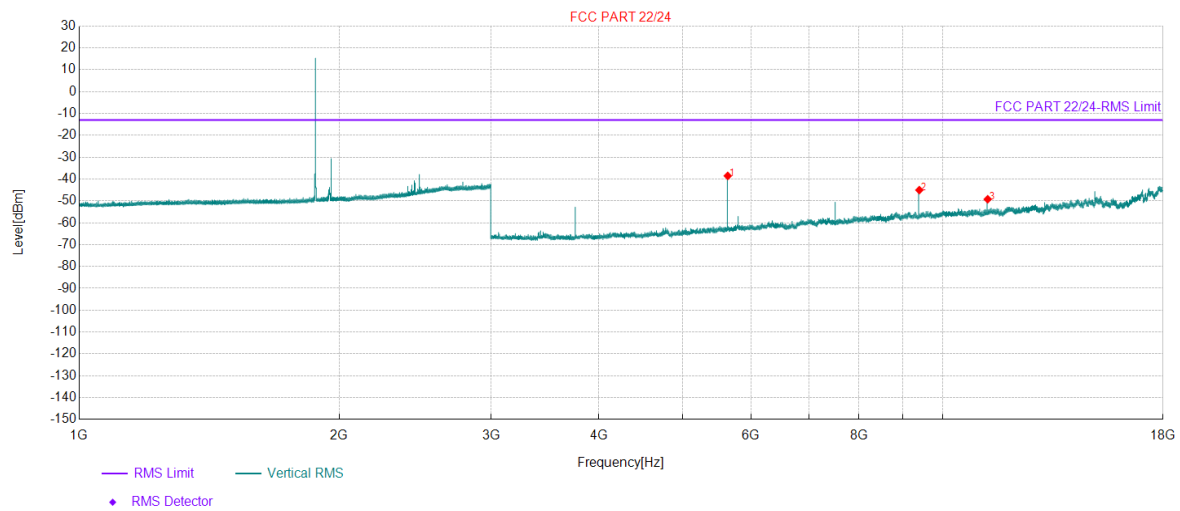
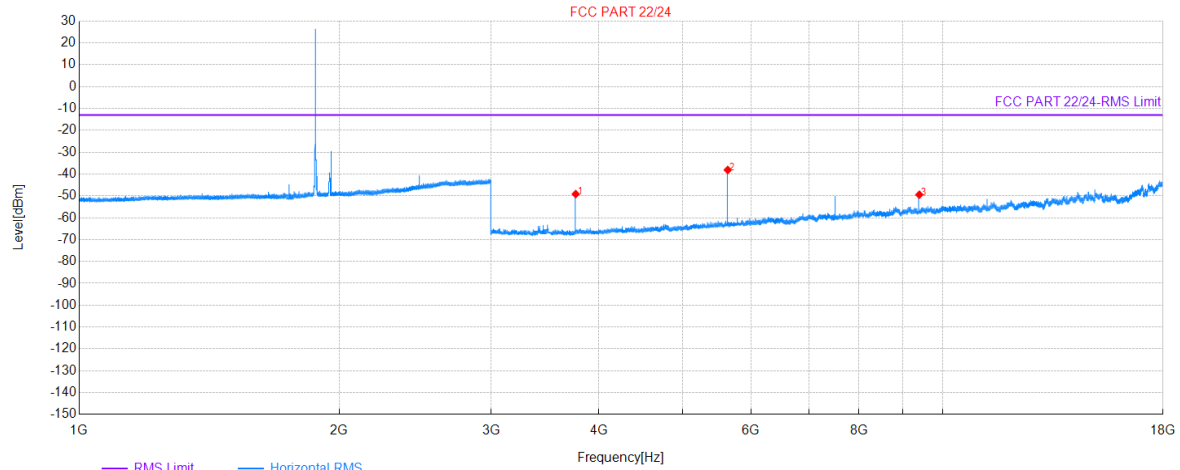
Below 1GHz

LTE Band2-MCH(worst-case)



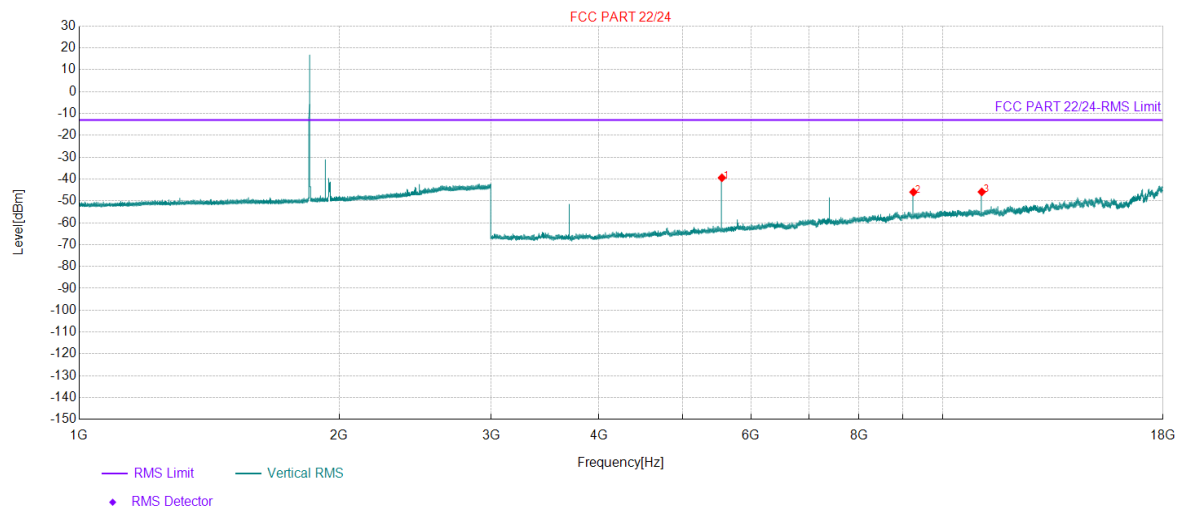
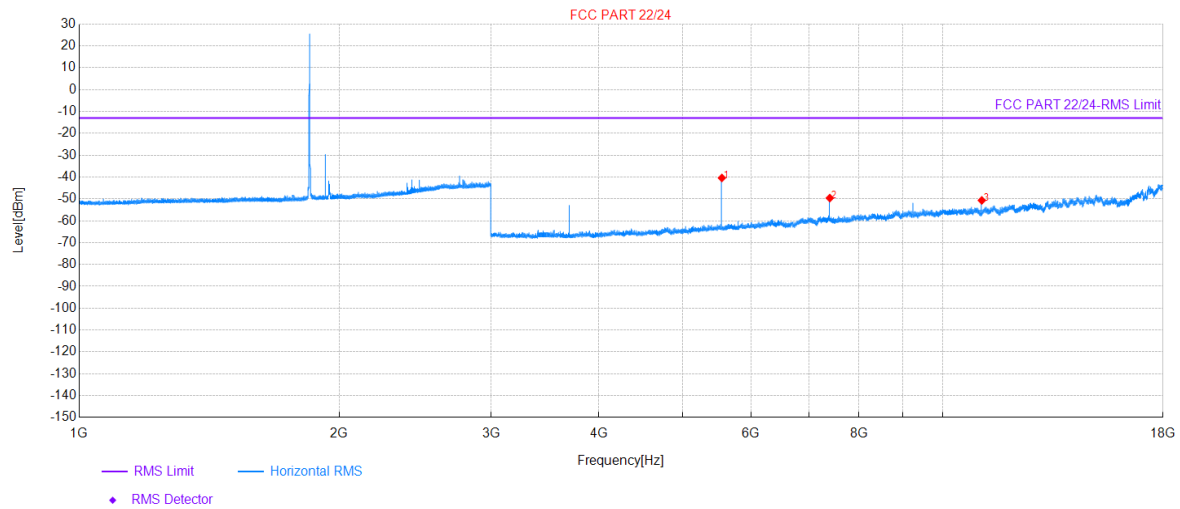
## Above1GHz

### LTE Band2-LCH



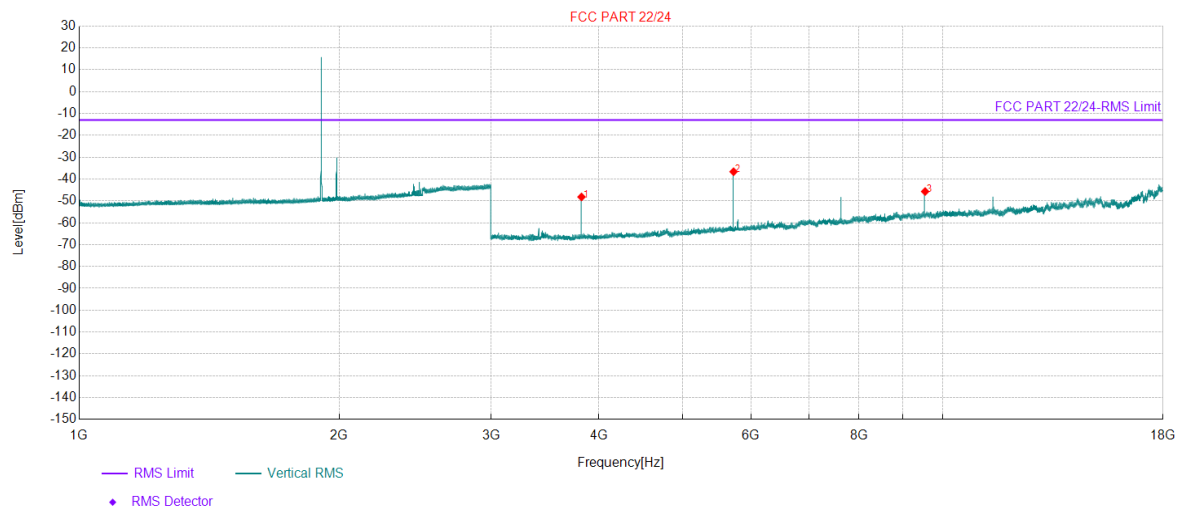
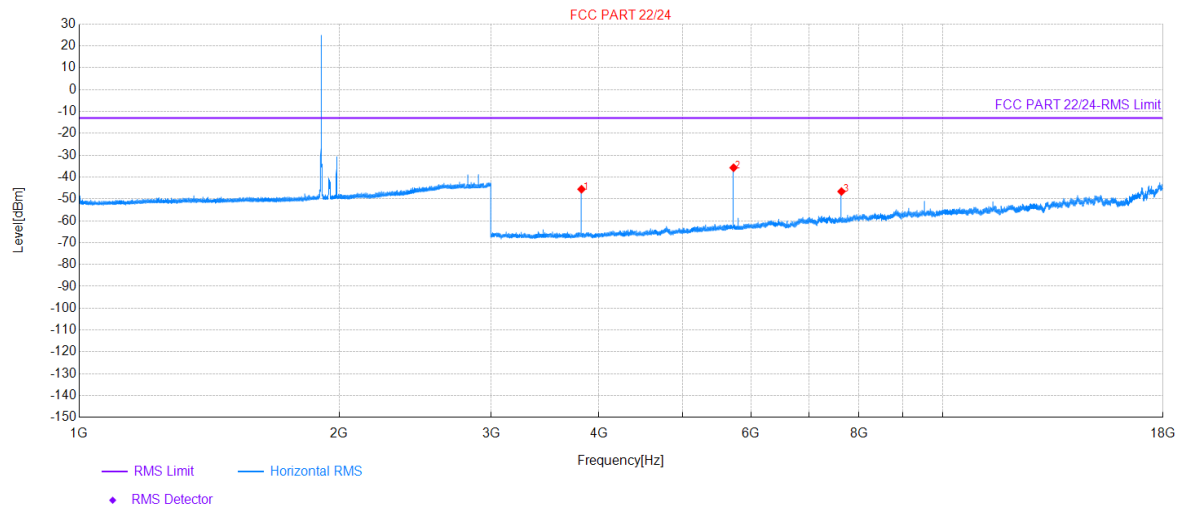
| Data List |             |                |             |             |             |             |             |           |       |            |         |
|-----------|-------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|-------|------------|---------|
| NO.       | Freq. [MHz] | Reading [dBuV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Trace | Polarity   | Verdict |
| 1         | 3759        | 58.10          | -107.27     | -49.17      | -13.00      | 36.17       | 118         | 215       | RMS   | Horizontal | PASS    |
| 2         | 5638.5      | 62.73          | -100.86     | -38.13      | -13.00      | 25.13       | 286         | 58        | RMS   | Horizontal | PASS    |
| 3         | 9398        | 43.88          | -93.33      | -49.45      | -13.00      | 36.45       | 165         | 186       | RMS   | Horizontal | PASS    |
| 1         | 5638.5      | 62.30          | -100.86     | -38.56      | -13.00      | 25.56       | 253         | 113       | RMS   | Vertical   | PASS    |
| 2         | 9397.5      | 48.27          | -93.33      | -45.06      | -13.00      | 32.06       | 270         | 264       | RMS   | Vertical   | PASS    |
| 3         | 11277       | 41.36          | -90.61      | -49.25      | -13.00      | 36.25       | 142         | 184       | RMS   | Vertical   | PASS    |

## LTE Band2-MCH



| Data List |             |                |             |             |             |             |             |           |       |            |         |
|-----------|-------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|-------|------------|---------|
| NO.       | Freq. [MHz] | Reading [dBuV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Trace | Polarity   | Verdict |
| 1         | 5551        | 60.92          | -101.32     | -40.40      | -13.00      | 27.40       | 308         | 57        | RMS   | Horizontal | PASS    |
| 2         | 7401        | 46.67          | -96.28      | -49.61      | -13.00      | 36.61       | 164         | 43        | RMS   | Horizontal | PASS    |
| 3         | 11101.5     | 40.73          | -91.41      | -50.68      | -13.00      | 37.68       | 366         | 21        | RMS   | Horizontal | PASS    |
| 1         | 5551        | 61.89          | -101.32     | -39.43      | -13.00      | 26.43       | 197         | 117       | RMS   | Vertical   | PASS    |
| 2         | 9251        | 46.72          | -92.69      | -45.97      | -13.00      | 32.97       | 172         | 262       | RMS   | Vertical   | PASS    |
| 3         | 11101.5     | 45.54          | -91.41      | -45.87      | -13.00      | 32.87       | 167         | 210       | RMS   | Vertical   | PASS    |

## LTE Band2-HCH



| Data List |                |                   |                |                |                |                |                |              |       |            |         |
|-----------|----------------|-------------------|----------------|----------------|----------------|----------------|----------------|--------------|-------|------------|---------|
| NO.       | Freq.<br>[MHz] | Reading<br>[dBuV] | Factor<br>[dB] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[cm] | Angle<br>[°] | Trace | Polarity   | Verdict |
| 1         | 3817.5         | 61.00             | -106.57        | -45.57         | -13.00         | 32.57          | 381            | 206          | RMS   | Horizontal | PASS    |
| 2         | 5726.5         | 65.02             | -100.76        | -35.74         | -13.00         | 22.74          | 142            | 39           | RMS   | Horizontal | PASS    |
| 3         | 7635.5         | 49.68             | -96.29         | -46.61         | -13.00         | 33.61          | 273            | 138          | RMS   | Horizontal | PASS    |
| 1         | 3817.5         | 58.39             | -106.57        | -48.18         | -13.00         | 35.18          | 300            | 78           | RMS   | Vertical   | PASS    |
| 2         | 5726.5         | 64.13             | -100.76        | -36.63         | -13.00         | 23.63          | 150            | 114          | RMS   | Vertical   | PASS    |
| 3         | 9544           | 47.02             | -92.71         | -45.69         | -13.00         | 32.69          | 116            | 265          | RMS   | Vertical   | PASS    |