



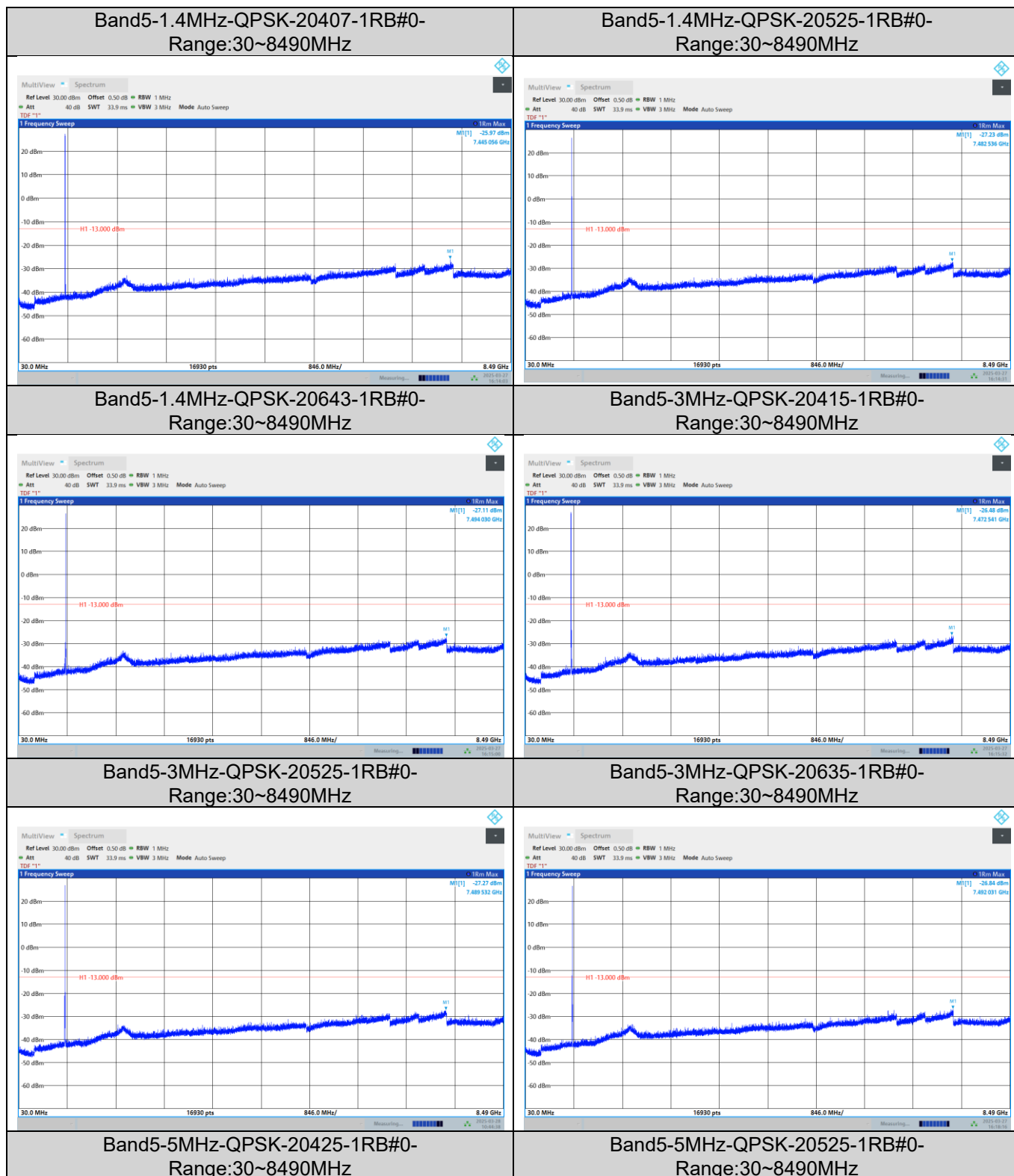
**BUREAU VERITAS** Test Report No.: PSU-QSU2503210311RF01  
**CONDUCTED SPURIOUS EMISSION**

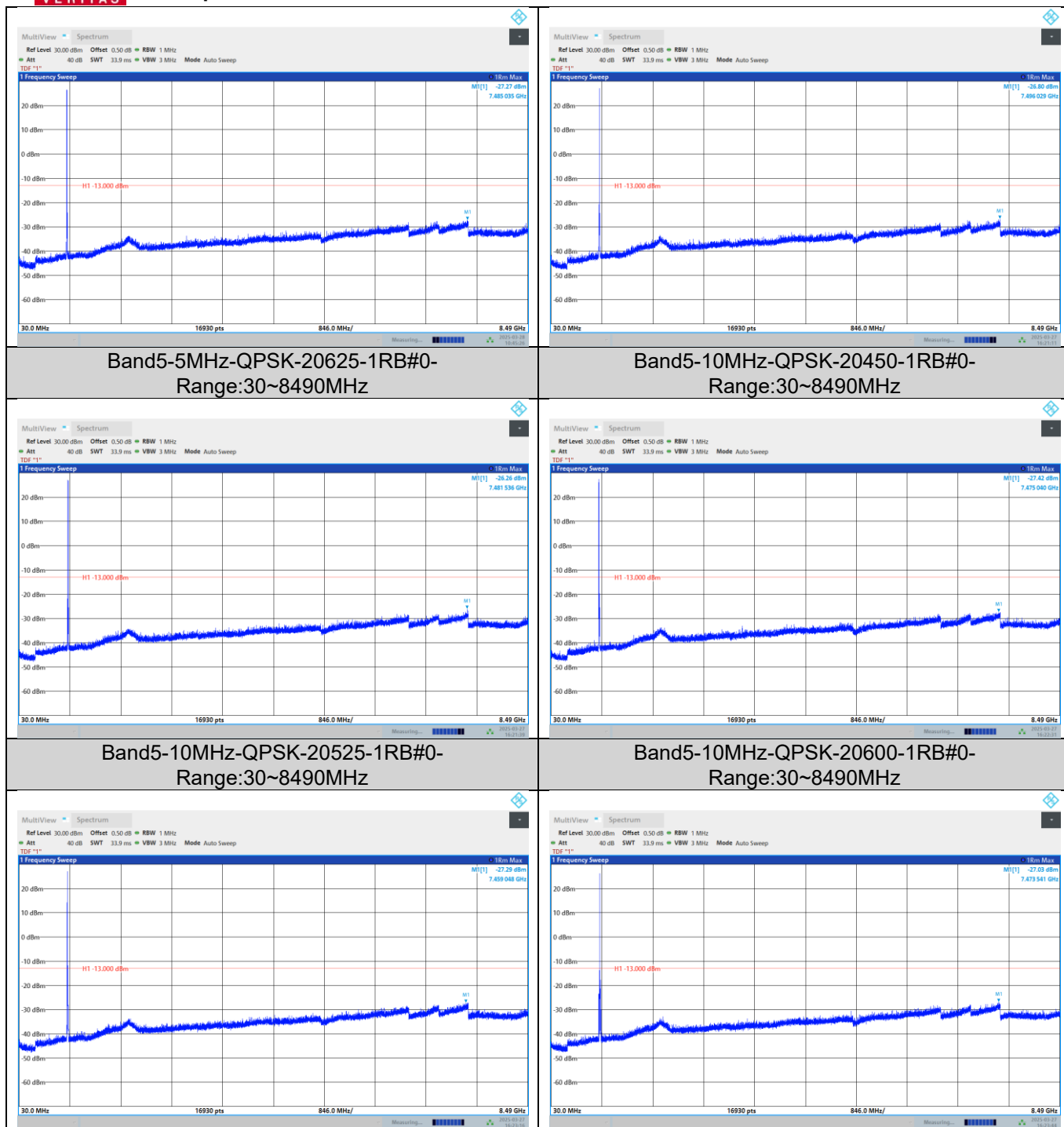
**Test Result**

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range  | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|------------------|--------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |
| Band5 | 10MHz     | QPSK       | 20450   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |
| Band5 | 10MHz     | QPSK       | 20600   | 1RB#0            | Range:30~8490MHz | See Graph    | PASS    |



## Test Graphs







## FREQUENCY STABILITY

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 10MHz     | QPSK       | 20450   | 50RB#0       | LV            | NT               | 9.93           | 0.0120          | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | NT               | 0.46           | 0.0006          | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20450   | 50RB#0       | HV            | NT               | -11.97         | -0.0144         | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20525   | 50RB#0       | LV            | NT               | -0.15          | -0.0002         | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | NT               | -5.94          | -0.0071         | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20525   | 50RB#0       | HV            | NT               | 5.12           | 0.0061          | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20600   | 50RB#0       | LV            | NT               | 14.75          | 0.0175          | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | NT               | -9.66          | -0.0114         | ±2.5        | PASS    |
| Band5   | 10MHz     | QPSK       | 20600   | 50RB#0       | HV            | NT               | 6.36           | 0.0075          | ±2.5        | PASS    |

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | -30              | -10.31         | -0.0124         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | -20              | 6.34           | 0.0076          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | -10              | 6.81           | 0.0082          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 0                | -14.89         | -0.0180         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 10               | 7.28           | 0.0088          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 20               | 1.20           | 0.0014          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 30               | 7.88           | 0.0095          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 40               | 6.62           | 0.0080          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20450   | 50RB#0       | NV            | 50               | -0.76          | -0.0009         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | -30              | -4.65          | -0.0056         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | -20              | -4.89          | -0.0058         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | -10              | 12.88          | 0.0154          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 0                | 7.30           | 0.0087          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 10               | -2.51          | -0.0030         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 20               | 12.35          | 0.0148          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 30               | -12.02         | -0.0144         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 40               | -4.16          | -0.0050         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20525   | 50RB#0       | NV            | 50               | -7.31          | -0.0087         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | -30              | 12.17          | 0.0144          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | -20              | 6.65           | 0.0079          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | -10              | 5.10           | 0.0060          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 0                | -14.94         | -0.0177         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 10               | -7.17          | -0.0085         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 20               | -13.27         | -0.0157         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 30               | 8.15           | 0.0097          | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 40               | -13.37         | -0.0158         | ±2.5        | PASS    |
| Band5       | 10MHz     | QPSK       | 20600   | 50RB#0       | NV            | 50               | -10.70         | -0.0127         | ±2.5        | PASS    |

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