



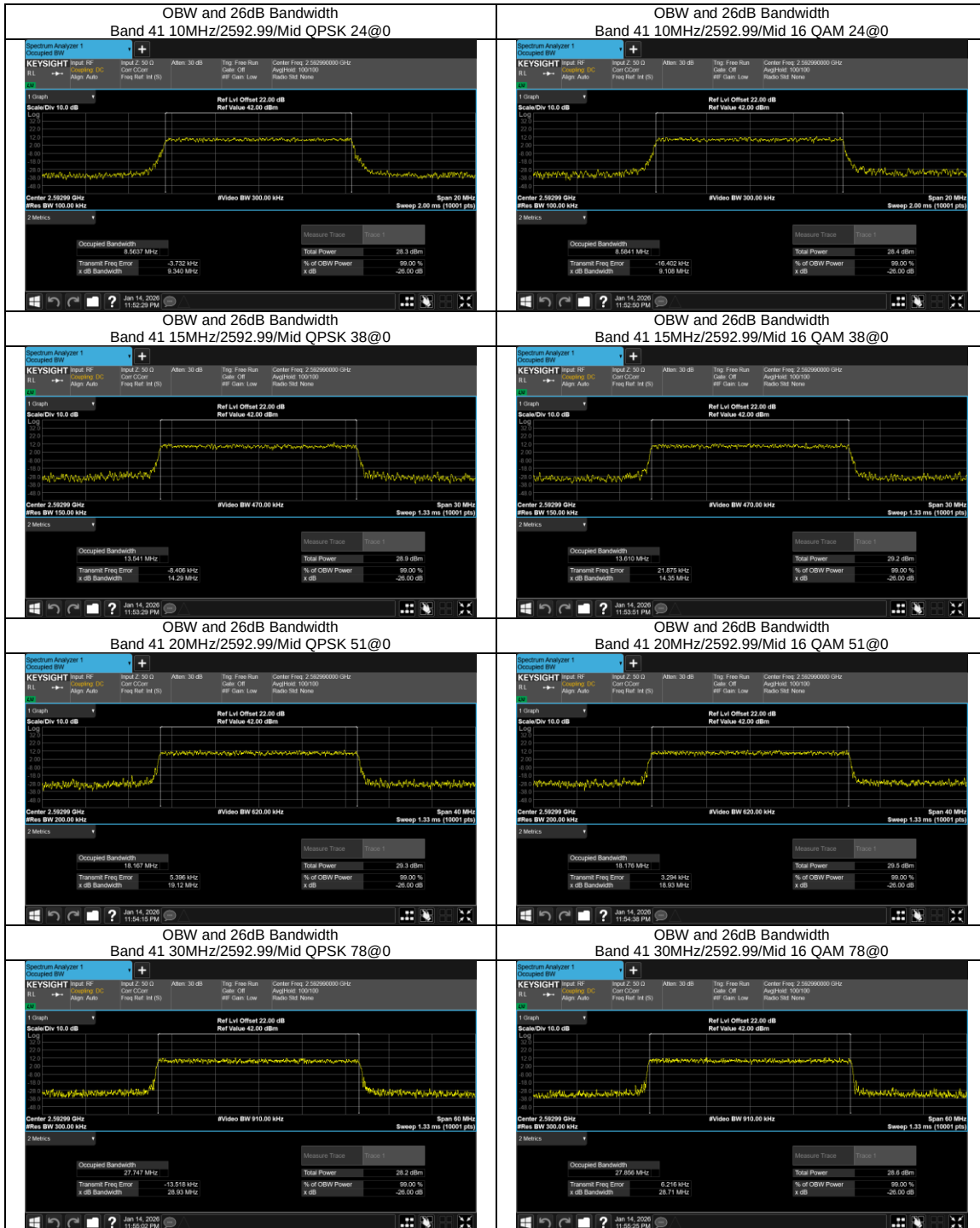
## Occupied Bandwidth

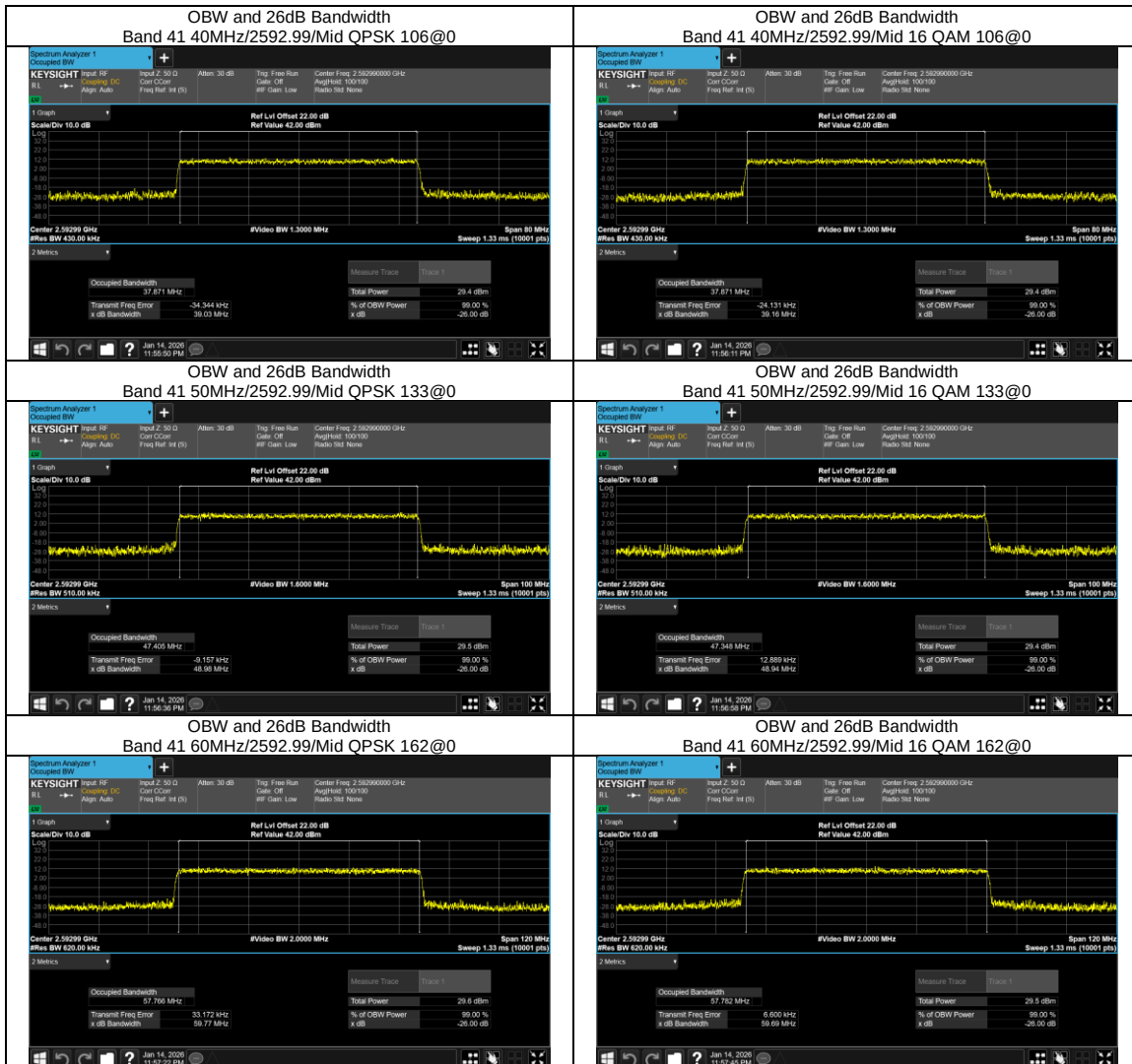
### Test Result

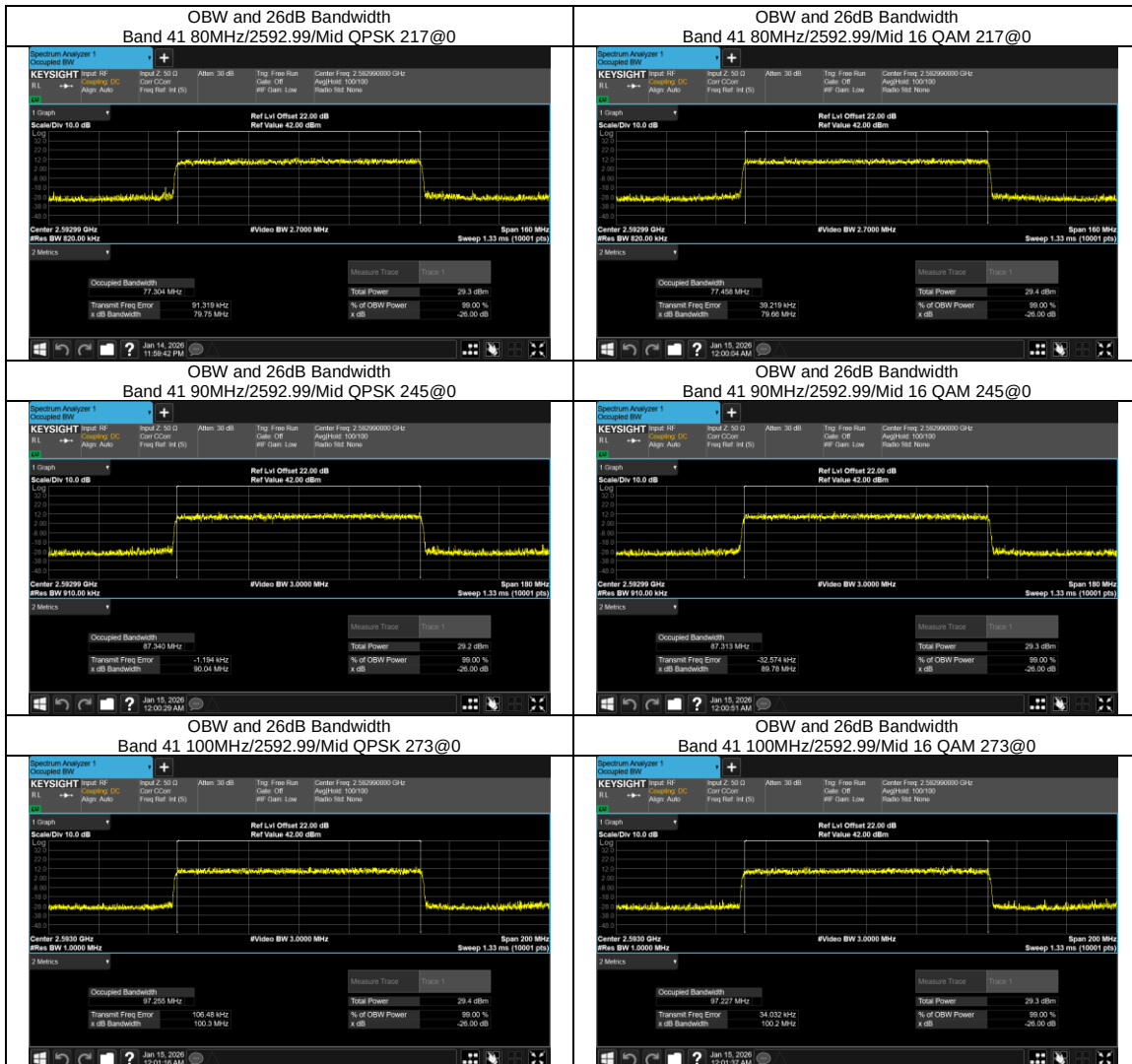
| NR Band | SCS | BandWidth | Arfcn  | Freq(MHz) | Modulation     | RB    | OBW(MHz) | 26dB OBW(MHz) |
|---------|-----|-----------|--------|-----------|----------------|-------|----------|---------------|
| 41      | 30  | 10        | 518598 | 2592.99   | CP-OFDM QPSK   | 24@0  | 8.56     | 9.34          |
| 41      | 30  | 10        | 518598 | 2592.99   | CP-OFDM 16 QAM | 24@0  | 8.58     | 9.108         |
| 41      | 30  | 15        | 518598 | 2592.99   | CP-OFDM QPSK   | 38@0  | 13.54    | 14.29         |
| 41      | 30  | 15        | 518598 | 2592.99   | CP-OFDM 16 QAM | 38@0  | 13.61    | 14.35         |
| 41      | 30  | 20        | 518598 | 2592.99   | CP-OFDM QPSK   | 51@0  | 18.17    | 19.12         |
| 41      | 30  | 20        | 518598 | 2592.99   | CP-OFDM 16 QAM | 51@0  | 18.18    | 18.93         |
| 41      | 30  | 30        | 518598 | 2592.99   | CP-OFDM QPSK   | 78@0  | 27.75    | 28.93         |
| 41      | 30  | 30        | 518598 | 2592.99   | CP-OFDM 16 QAM | 78@0  | 27.86    | 28.71         |
| 41      | 30  | 40        | 518598 | 2592.99   | CP-OFDM QPSK   | 106@0 | 37.87    | 39.03         |
| 41      | 30  | 40        | 518598 | 2592.99   | CP-OFDM 16 QAM | 106@0 | 37.87    | 39.16         |
| 41      | 30  | 50        | 518598 | 2592.99   | CP-OFDM QPSK   | 133@0 | 47.4     | 48.98         |
| 41      | 30  | 50        | 518598 | 2592.99   | CP-OFDM 16 QAM | 133@0 | 47.35    | 48.94         |
| 41      | 30  | 60        | 518598 | 2592.99   | CP-OFDM QPSK   | 162@0 | 57.77    | 59.77         |
| 41      | 30  | 60        | 518598 | 2592.99   | CP-OFDM 16 QAM | 162@0 | 57.78    | 59.69         |
| 41      | 30  | 80        | 518598 | 2592.99   | CP-OFDM QPSK   | 217@0 | 77.3     | 79.75         |
| 41      | 30  | 80        | 518598 | 2592.99   | CP-OFDM 16 QAM | 217@0 | 77.46    | 79.66         |
| 41      | 30  | 90        | 518598 | 2592.99   | CP-OFDM QPSK   | 245@0 | 87.34    | 90.04         |
| 41      | 30  | 90        | 518598 | 2592.99   | CP-OFDM 16 QAM | 245@0 | 87.31    | 89.78         |
| 41      | 30  | 100       | 518598 | 2592.99   | CP-OFDM QPSK   | 273@0 | 97.25    | 100.3         |
| 41      | 30  | 100       | 518598 | 2592.99   | CP-OFDM 16 QAM | 273@0 | 97.23    | 100.2         |



## Test Graphs





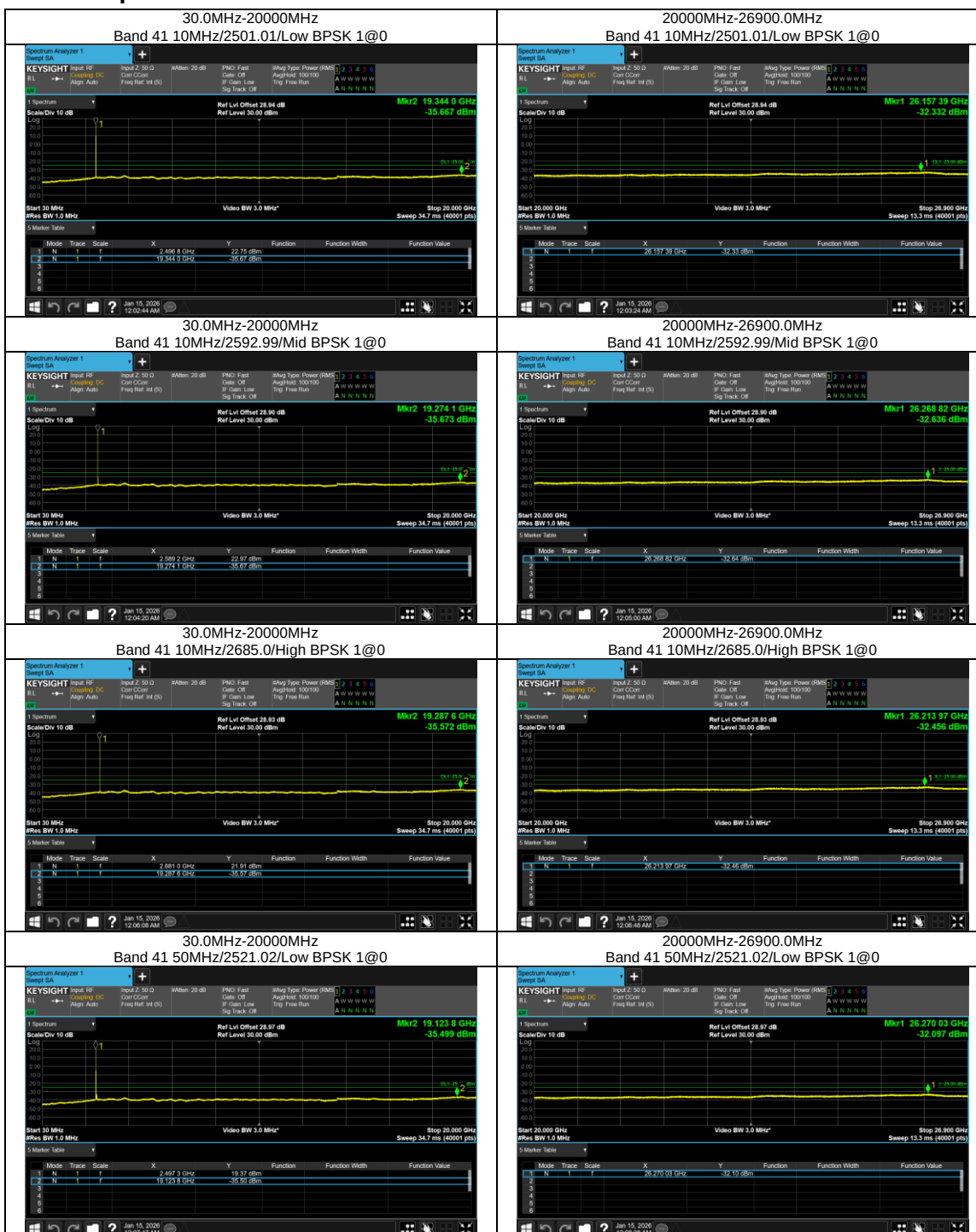


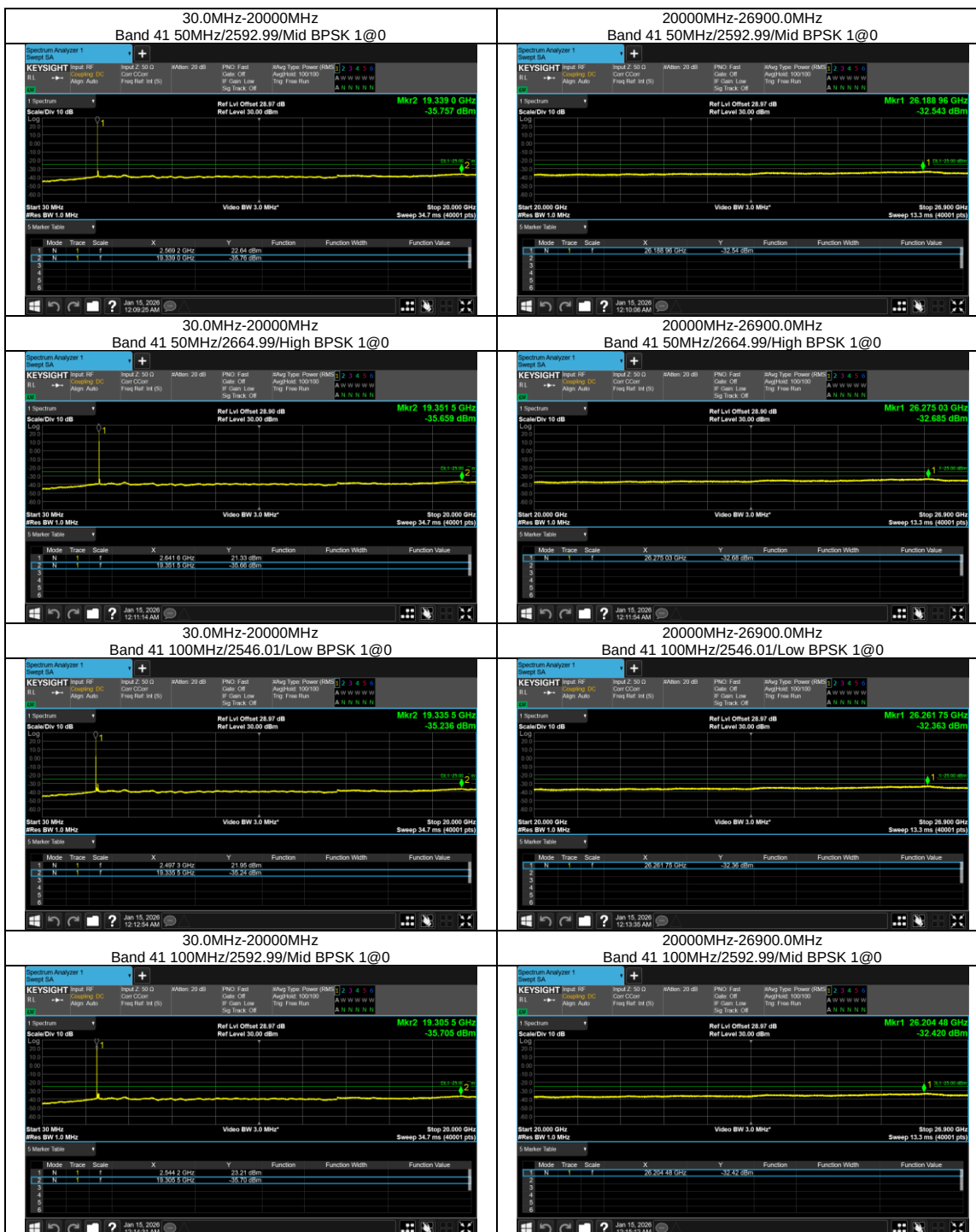
## Conducted Spurious Emissions

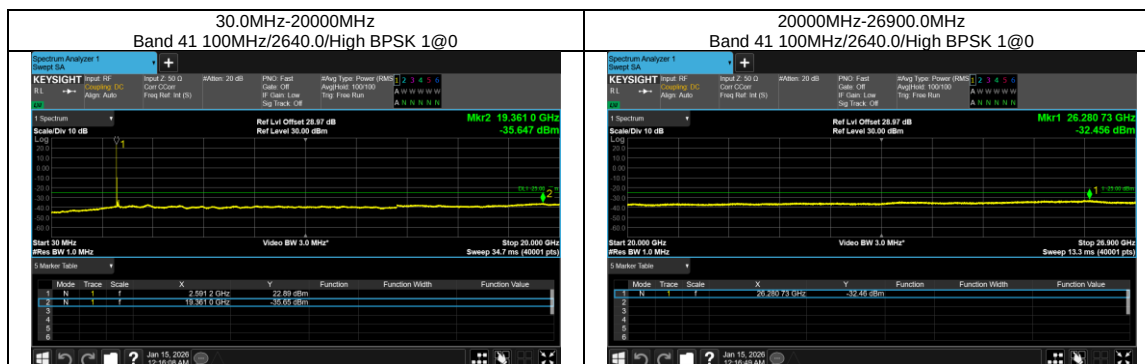
### Test Result

| NR Band | SCS | Band Width | Arfcn  | Freq(MHz) | Modulation      | RB  | Result    | Verdict |
|---------|-----|------------|--------|-----------|-----------------|-----|-----------|---------|
| 41      | 30  | 10         | 500202 | 2501.01   | DFT-s-OFDM BPSK | 1@0 | See graph | ---     |
| 41      | 30  | 10         | 500202 | 2501.01   | DFT-s-OFDM BPSK | 1@0 | See graph | PASS    |
| 41      | 30  | 10         | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | See graph | ---     |
| 41      | 30  | 10         | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | See graph | PASS    |
| 41      | 30  | 10         | 537000 | 2685.0    | DFT-s-OFDM BPSK | 1@0 | See graph | ---     |
| 41      | 30  | 10         | 537000 | 2685.0    | DFT-s-OFDM BPSK | 1@0 | See graph | PASS    |
| 41      | 30  | 50         | 504204 | 2521.02   | DFT-s-OFDM BPSK | 1@0 | See graph | ---     |
| 41      | 30  | 50         | 504204 | 2521.02   | DFT-s-OFDM BPSK | 1@0 | See graph | PASS    |
| 41      | 30  | 50         | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | See graph | ---     |
| 41      | 30  | 50         | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | See graph | PASS    |
| 41      | 30  | 50         | 532998 | 2664.99   | DFT-s-OFDM BPSK | 1@0 | See graph | ---     |
| 41      | 30  | 50         | 532998 | 2664.99   | DFT-s-OFDM BPSK | 1@0 | See graph | PASS    |
| 41      | 30  | 100        | 509202 | 2546.01   | DFT-s-OFDM BPSK | 1@0 | See graph | ---     |
| 41      | 30  | 100        | 509202 | 2546.01   | DFT-s-OFDM BPSK | 1@0 | See graph | PASS    |
| 41      | 30  | 100        | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | See graph | ---     |
| 41      | 30  | 100        | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | See graph | PASS    |
| 41      | 30  | 100        | 528000 | 2640.0    | DFT-s-OFDM BPSK | 1@0 | See graph | ---     |
| 41      | 30  | 100        | 528000 | 2640.0    | DFT-s-OFDM BPSK | 1@0 | See graph | PASS    |

## Test Graphs







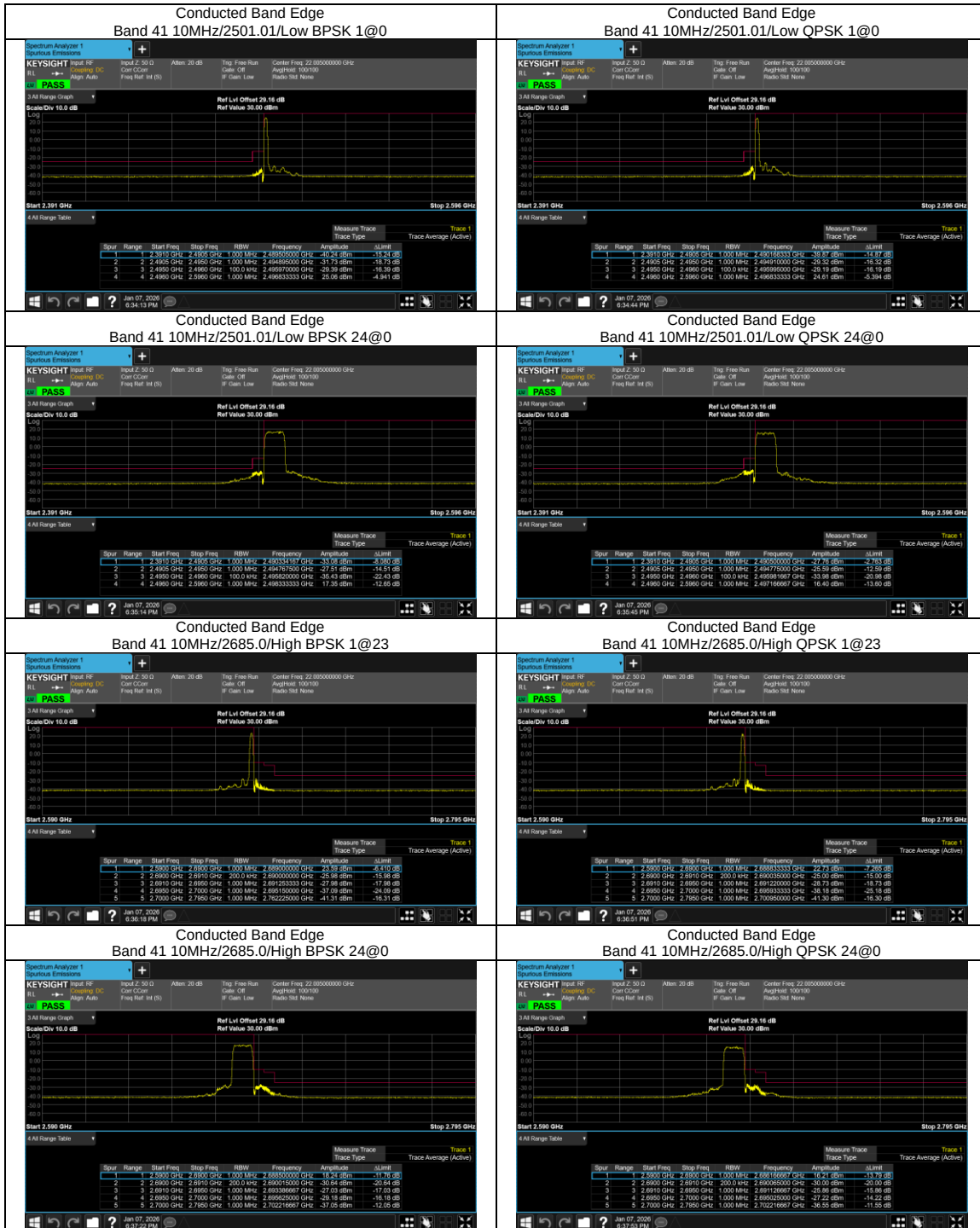
## Conducted Band Edge

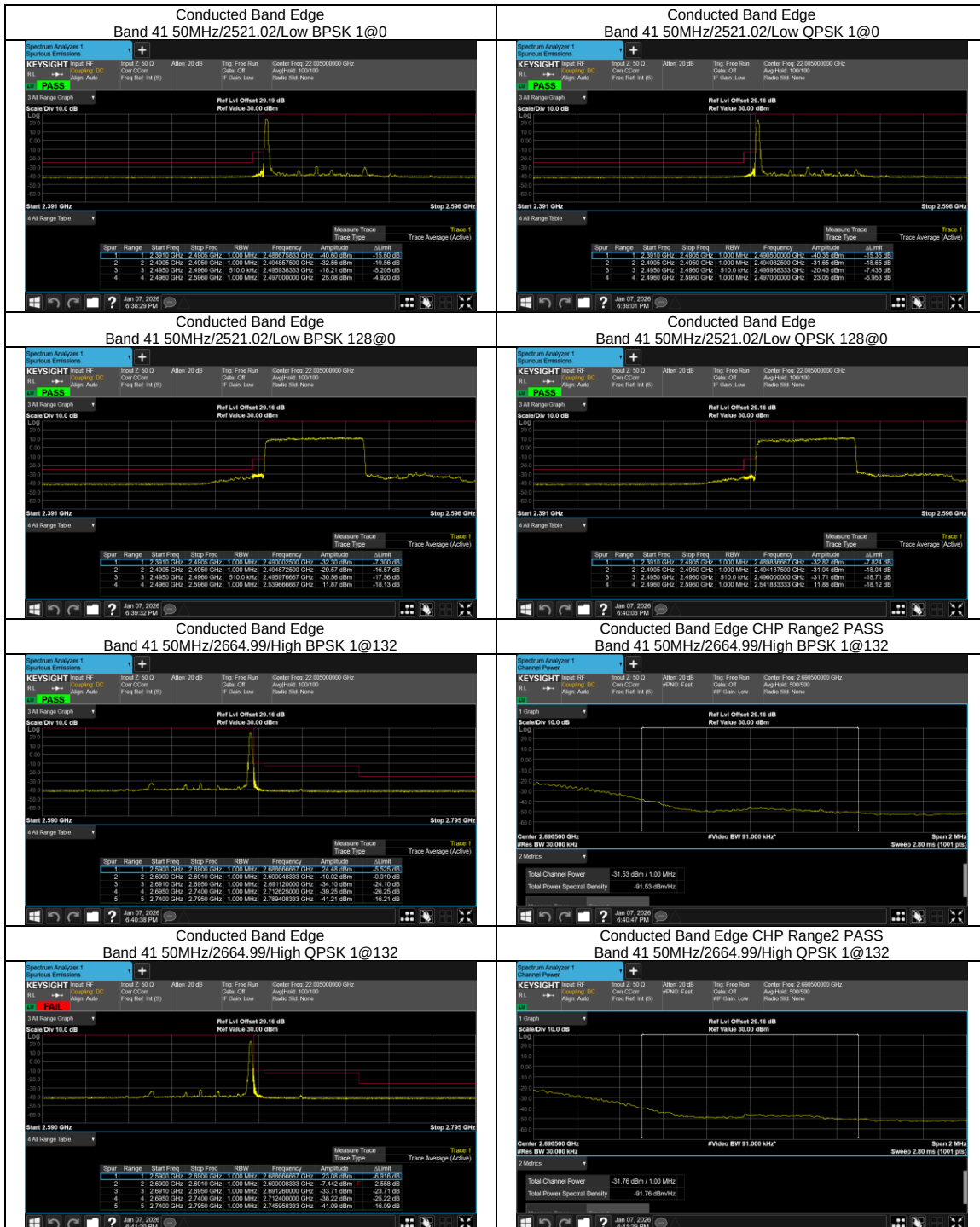
### Test Result

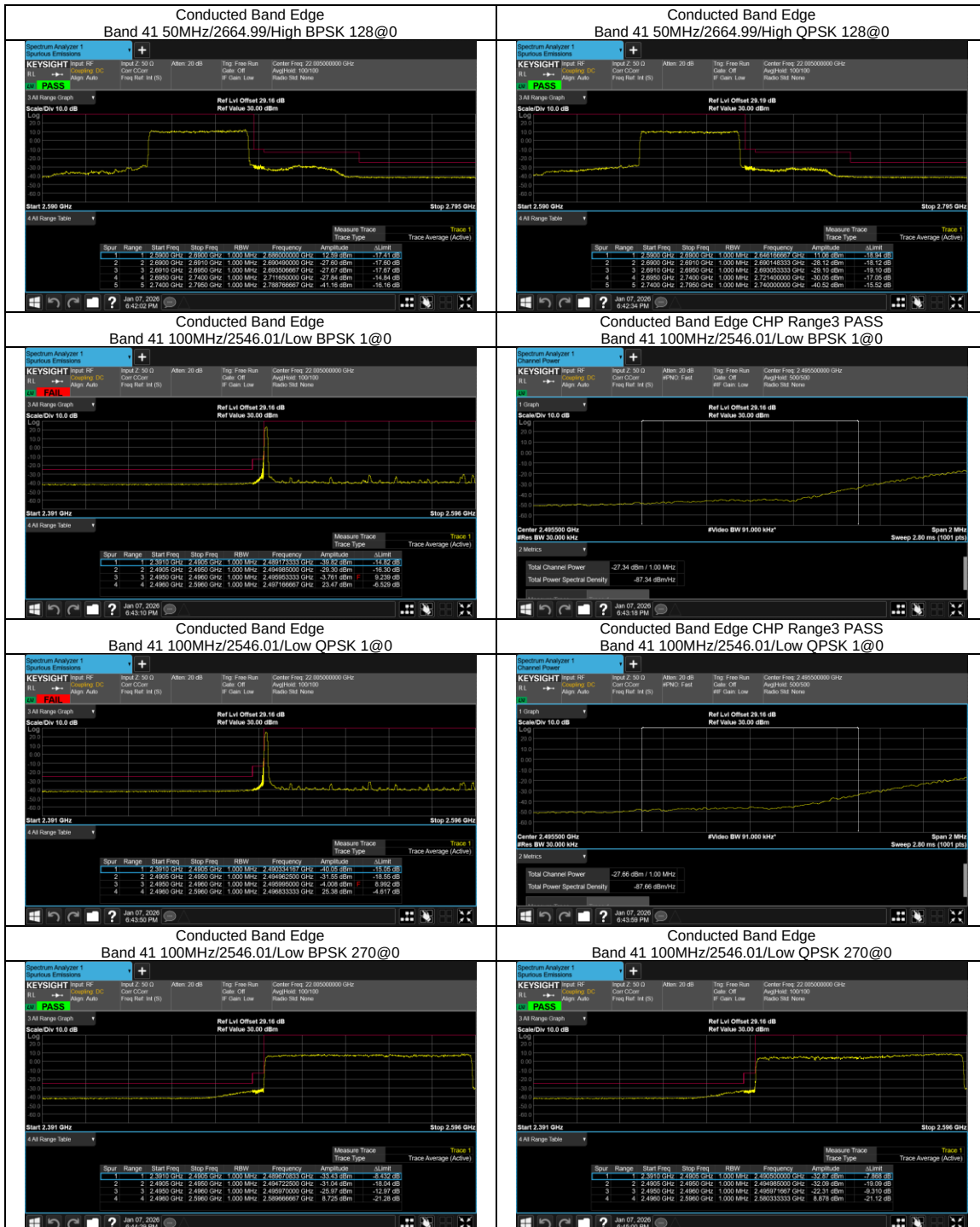
| NR Band | SCS | BandWidth | Arfcn  | Freq(MHz) | Modulation         | RB    | Result    | Verdict |
|---------|-----|-----------|--------|-----------|--------------------|-------|-----------|---------|
| 41      | 30  | 10        | 500202 | 2501.01   | DFT-s-OFDM<br>BPSK | 1@0   | See graph | PASS    |
| 41      | 30  | 10        | 500202 | 2501.01   | DFT-s-OFDM<br>QPSK | 1@0   | See graph | PASS    |
| 41      | 30  | 10        | 500202 | 2501.01   | DFT-s-OFDM<br>BPSK | 24@0  | See graph | PASS    |
| 41      | 30  | 10        | 500202 | 2501.01   | DFT-s-OFDM<br>QPSK | 24@0  | See graph | PASS    |
| 41      | 30  | 10        | 537000 | 2685.0    | DFT-s-OFDM<br>BPSK | 1@23  | See graph | PASS    |
| 41      | 30  | 10        | 537000 | 2685.0    | DFT-s-OFDM<br>QPSK | 1@23  | See graph | PASS    |
| 41      | 30  | 10        | 537000 | 2685.0    | DFT-s-OFDM<br>BPSK | 24@0  | See graph | PASS    |
| 41      | 30  | 10        | 537000 | 2685.0    | DFT-s-OFDM<br>QPSK | 24@0  | See graph | PASS    |
| 41      | 30  | 50        | 504204 | 2521.02   | DFT-s-OFDM<br>BPSK | 1@0   | See graph | PASS    |
| 41      | 30  | 50        | 504204 | 2521.02   | DFT-s-OFDM<br>QPSK | 1@0   | See graph | PASS    |
| 41      | 30  | 50        | 504204 | 2521.02   | DFT-s-OFDM<br>BPSK | 128@0 | See graph | PASS    |
| 41      | 30  | 50        | 504204 | 2521.02   | DFT-s-OFDM<br>QPSK | 128@0 | See graph | PASS    |
| 41      | 30  | 50        | 532998 | 2664.99   | DFT-s-OFDM<br>BPSK | 1@132 | See graph | PASS    |
| 41      | 30  | 50        | 532998 | 2664.99   | DFT-s-OFDM<br>QPSK | 1@132 | See graph | PASS    |
| 41      | 30  | 50        | 532998 | 2664.99   | DFT-s-OFDM<br>BPSK | 128@0 | See graph | PASS    |
| 41      | 30  | 50        | 532998 | 2664.99   | DFT-s-OFDM<br>QPSK | 128@0 | See graph | PASS    |
| 41      | 30  | 100       | 509202 | 2546.01   | DFT-s-OFDM<br>BPSK | 1@0   | See graph | PASS    |
| 41      | 30  | 100       | 509202 | 2546.01   | DFT-s-OFDM<br>QPSK | 1@0   | See graph | PASS    |
| 41      | 30  | 100       | 509202 | 2546.01   | DFT-s-OFDM<br>BPSK | 270@0 | See graph | PASS    |
| 41      | 30  | 100       | 509202 | 2546.01   | DFT-s-OFDM<br>QPSK | 270@0 | See graph | PASS    |
| 41      | 30  | 100       | 528000 | 2640.0    | DFT-s-OFDM<br>BPSK | 1@272 | See graph | PASS    |
| 41      | 30  | 100       | 528000 | 2640.0    | DFT-s-OFDM<br>QPSK | 1@272 | See graph | PASS    |
| 41      | 30  | 100       | 528000 | 2640.0    | DFT-s-OFDM<br>BPSK | 270@0 | See graph | PASS    |
| 41      | 30  | 100       | 528000 | 2640.0    | DFT-s-OFDM<br>QPSK | 270@0 | See graph | PASS    |

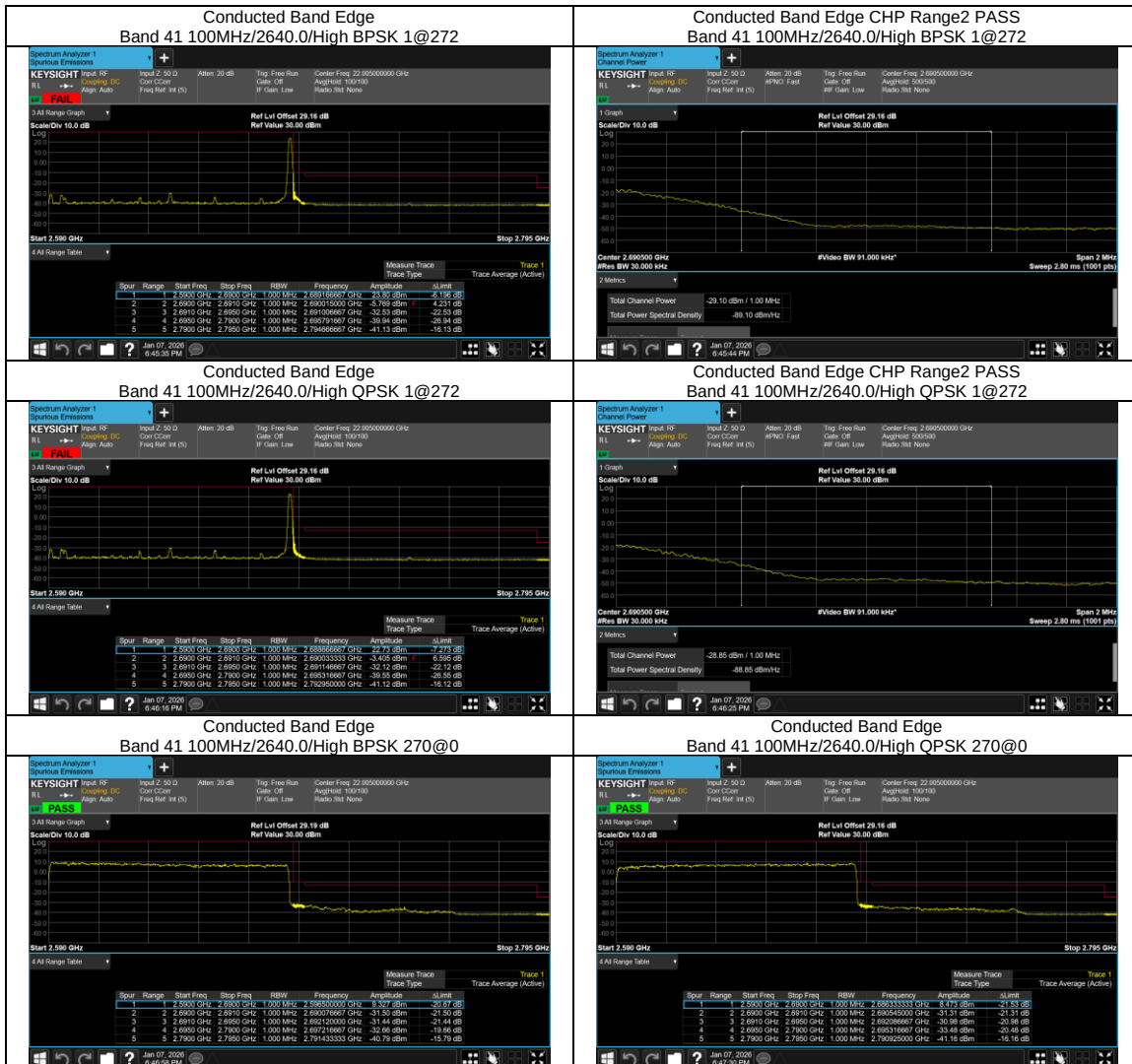


Test Graphs











## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |      |                     |         |
|-----------------|------|---------------------|---------|
| Test Engineer : | Jake | Temperature :       | 21~25°C |
|                 |      | Relative Humidity : | 51~53%  |

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

| n7 SA / NR 50MHz / QPSK(ANT4) |                   |              |               |                   |                    |                      |                       |                    |
|-------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                       | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                        | 5025              | -54.54       | -25           | -29.54            | -64.75             | 3.03                 | 13.24                 | H                  |
|                               | 7537.77           | -52.02       | -25           | -27.02            | -61.47             | 3.56                 | 13.01                 | H                  |
|                               | 10050.36          | -49.22       | -25           | -24.22            | -58.74             | 3.92                 | 13.44                 | H                  |
|                               | 5025.18           | -54.48       | -25           | -29.48            | -64.69             | 3.03                 | 13.24                 | V                  |
|                               | 7537.77           | -52.03       | -25           | -27.03            | -61.48             | 3.56                 | 13.01                 | V                  |
|                               | 10050             | -49.95       | -25           | -24.95            | -59.47             | 3.92                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| DC_66A_n7A / NR 10MHz+50MHz / QPSK(ANT0+ANT4) |                   |              |               |                   |                    |                      |                       |                    |
|-----------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                       | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                        | 5022              | -62.25       | -25           | -37.25            | -72.46             | 3.03                 | 13.24                 | H                  |
|                                               | 7542              | -60.25       | -25           | -35.25            | -69.70             | 3.56                 | 13.01                 | H                  |
|                                               | 10048             | -59.78       | -25           | -34.78            | -69.30             | 3.92                 | 13.44                 | H                  |
|                                               | 5022              | -61.80       | -25           | -36.80            | -72.01             | 3.03                 | 13.24                 | V                  |
|                                               | 7542              | -60.13       | -25           | -35.13            | -69.58             | 3.56                 | 13.01                 | V                  |
|                                               | 10048             | -60.09       | -25           | -35.09            | -69.61             | 3.92                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| n41 SA / NR 100MHz / QPSK(ANT4) |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                         | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                          | 5096.18           | -54.35       | -25           | -29.35            | -64.56             | 3.03                 | 13.24                 | H                  |
|                                 | 7644.27           | -52.22       | -25           | -27.22            | -61.67             | 3.56                 | 13.01                 | H                  |
|                                 | 10185             | -49.03       | -25           | -24.03            | -58.55             | 3.92                 | 13.44                 | H                  |
|                                 | 5100              | -54.09       | -25           | -29.09            | -64.30             | 3.03                 | 13.24                 | V                  |
|                                 | 7644.27           | -52.10       | -25           | -27.10            | -61.55             | 3.56                 | 13.01                 | V                  |
|                                 | 10192.36          | -49.24       | -25           | -24.24            | -58.76             | 3.92                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.