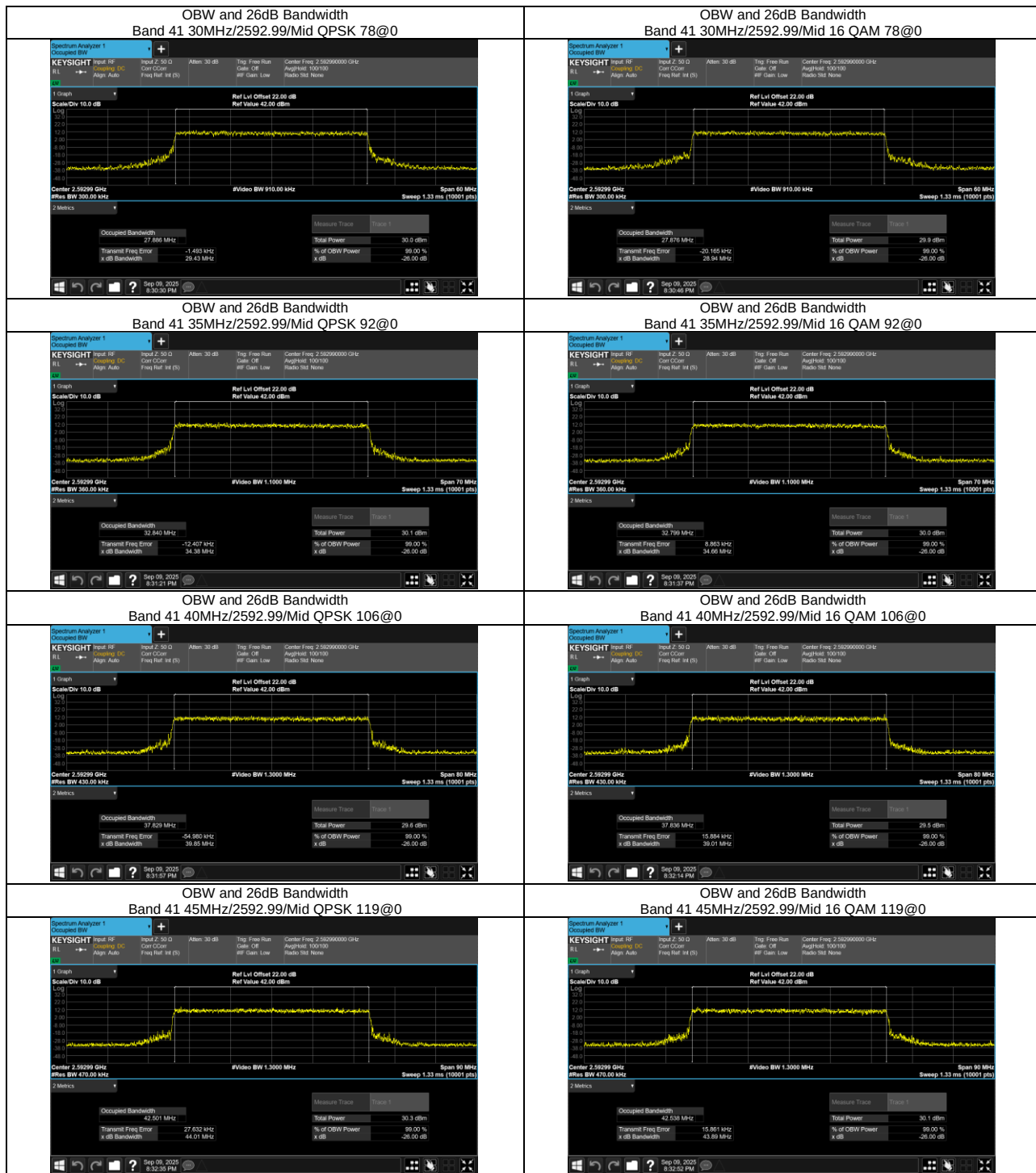
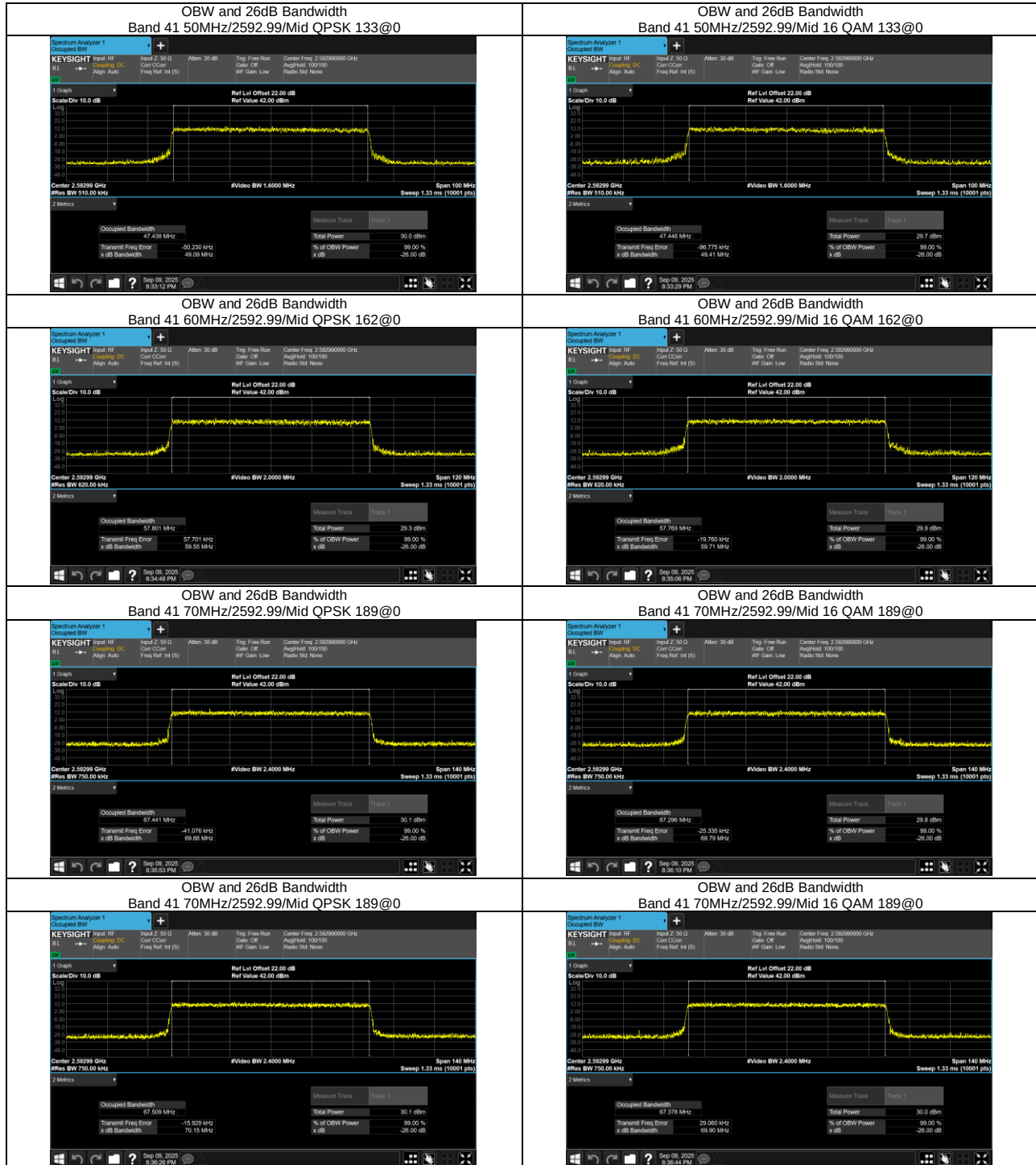
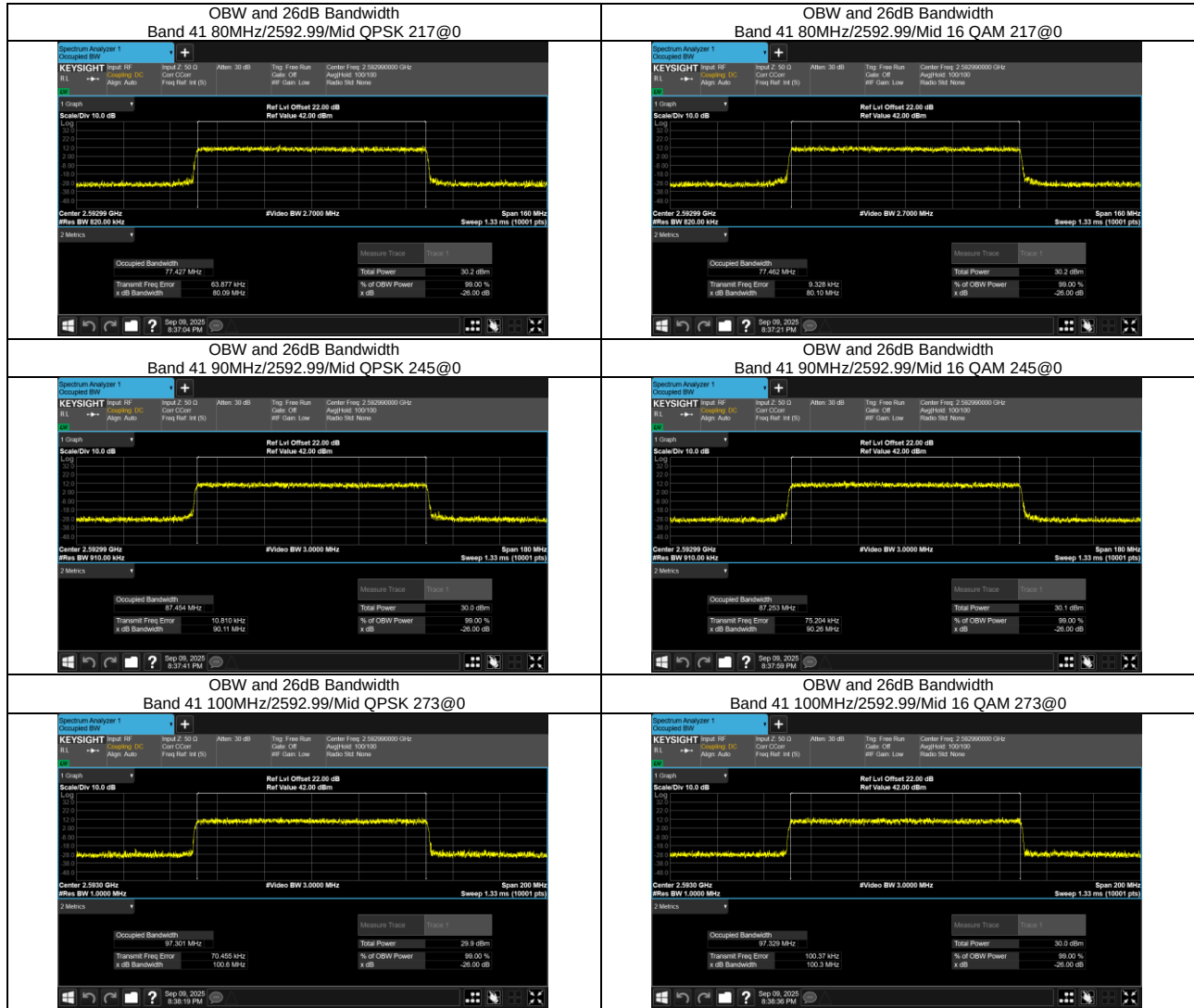










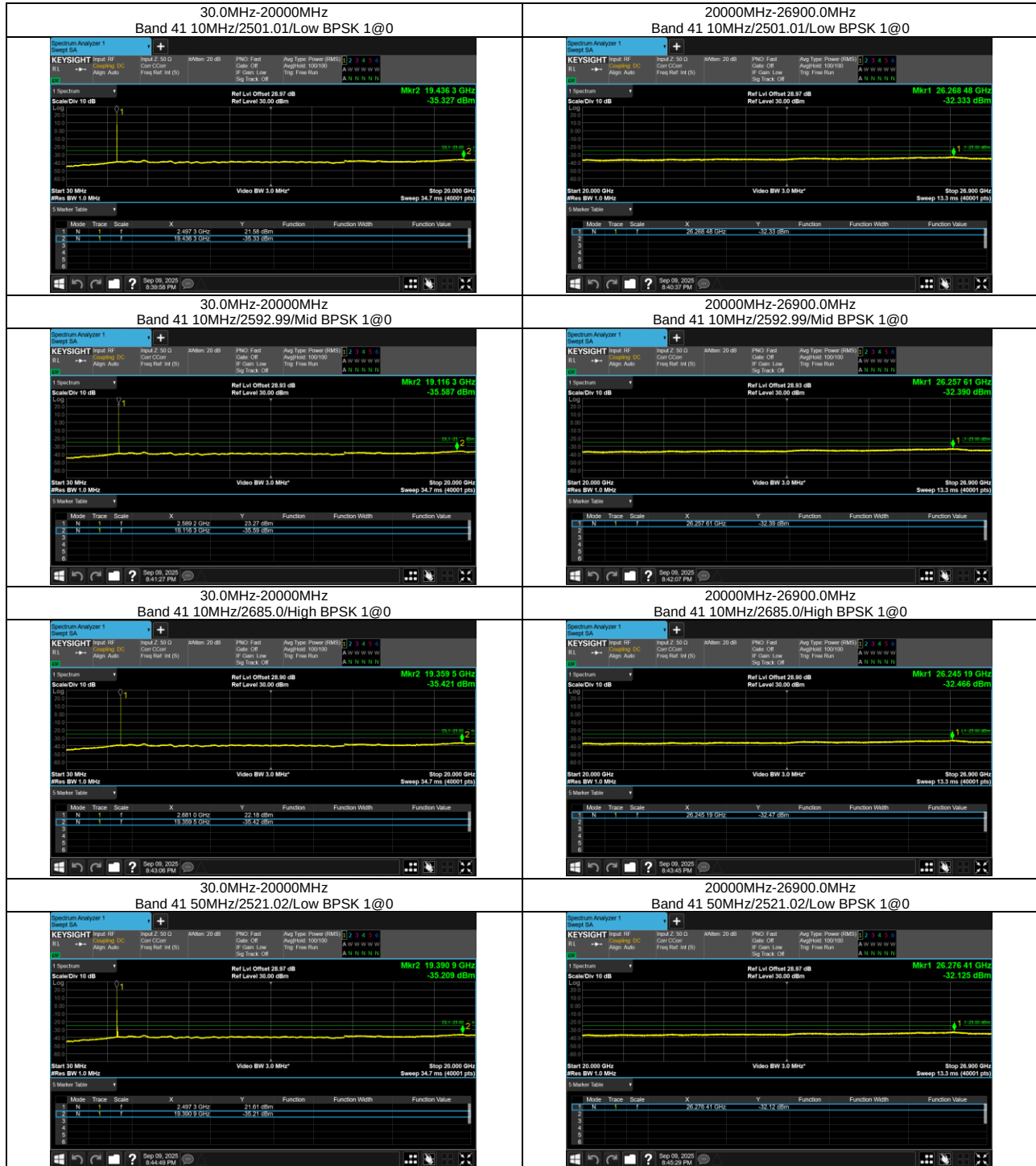
## Conducted Spurious Emissions

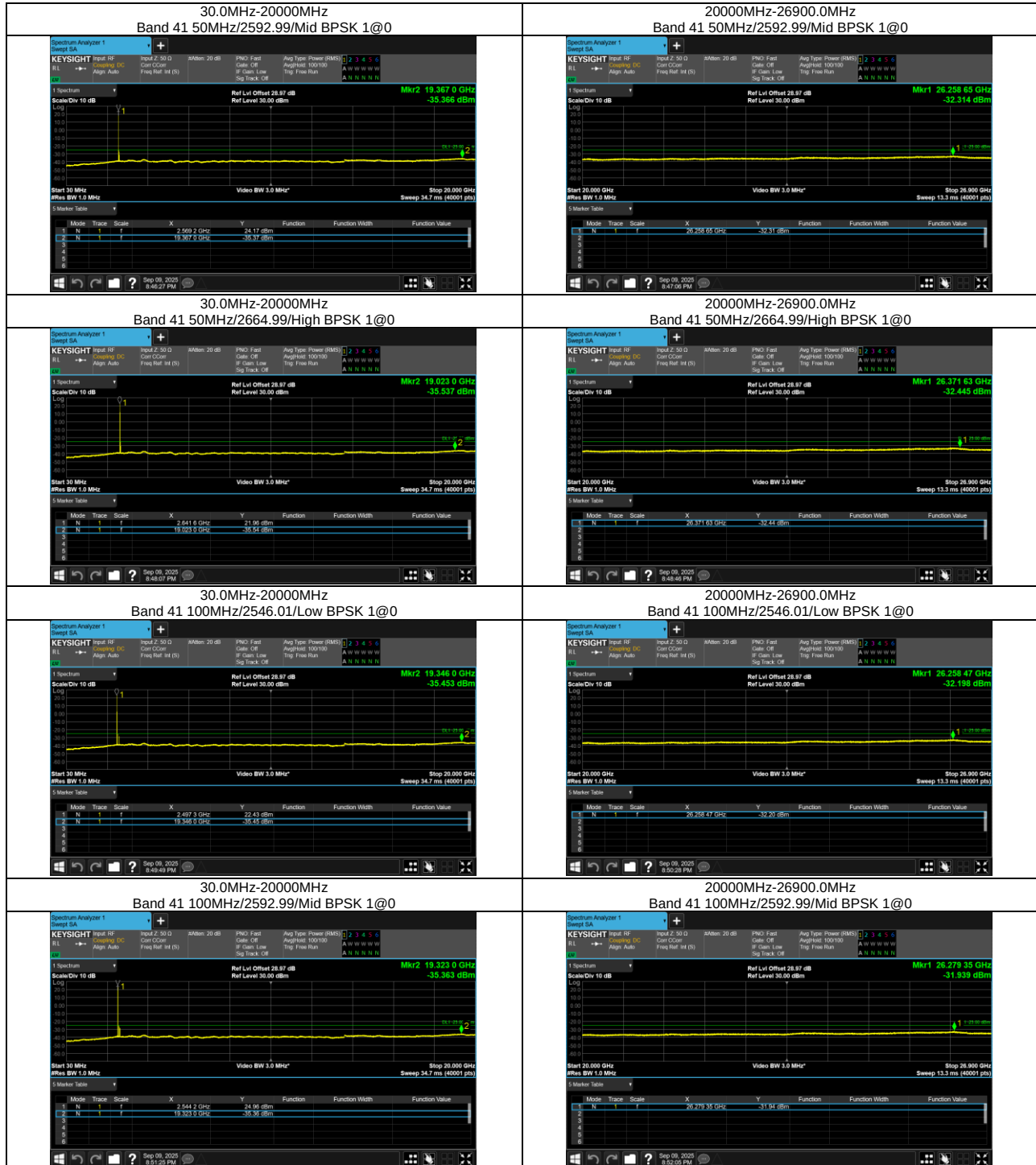
### Test Result

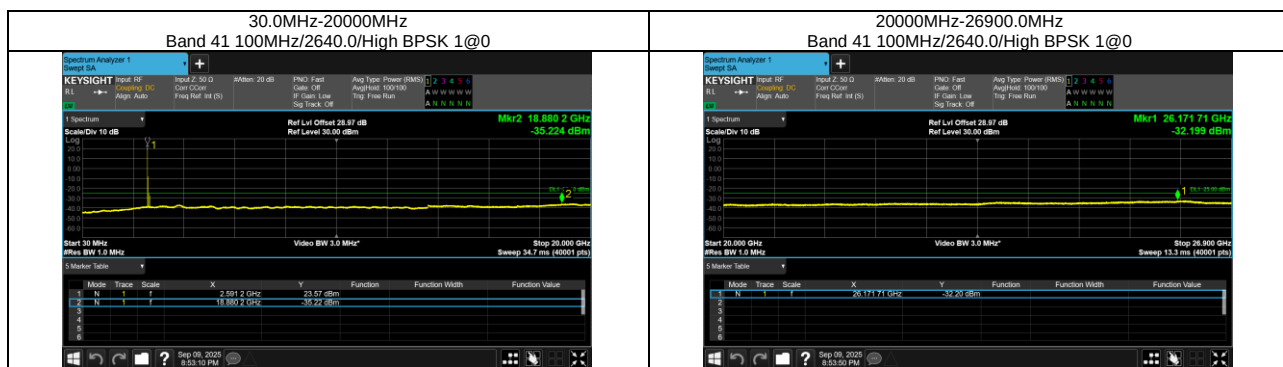
| NR Band | SCS | BandWidth | Arfcn  | Freq(MHz) | Modulation      | RB  | Freq_Range          | Result  | Limit | Verdict |
|---------|-----|-----------|--------|-----------|-----------------|-----|---------------------|---------|-------|---------|
| 41      | 30  | 10        | 500202 | 2501.01   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | 21.582  | -     | -       |
| 41      | 30  | 10        | 500202 | 2501.01   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | -35.327 | -25   | PASS    |
| 41      | 30  | 10        | 500202 | 2501.01   | DFT-s-OFDM BPSK | 1@0 | 20000MHz-26900.0MHz | -32.333 | -25   | PASS    |
| 41      | 30  | 10        | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | 23.271  | -     | -       |
| 41      | 30  | 10        | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | -35.587 | -25   | PASS    |
| 41      | 30  | 10        | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | 20000MHz-26900.0MHz | -32.39  | -25   | PASS    |
| 41      | 30  | 10        | 537000 | 2685.0    | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | 22.18   | -     | -       |
| 41      | 30  | 10        | 537000 | 2685.0    | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | -35.421 | -25   | PASS    |
| 41      | 30  | 10        | 537000 | 2685.0    | DFT-s-OFDM BPSK | 1@0 | 20000MHz-26900.0MHz | -32.466 | -25   | PASS    |
| 41      | 30  | 50        | 504204 | 2521.02   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | 21.606  | -     | -       |
| 41      | 30  | 50        | 504204 | 2521.02   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | -35.209 | -25   | PASS    |
| 41      | 30  | 50        | 504204 | 2521.02   | DFT-s-OFDM BPSK | 1@0 | 20000MHz-26900.0MHz | -32.125 | -25   | PASS    |
| 41      | 30  | 50        | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | 24.168  | -     | -       |
| 41      | 30  | 50        | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | -35.366 | -25   | PASS    |
| 41      | 30  | 50        | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | 20000MHz-26900.0MHz | -32.314 | -25   | PASS    |
| 41      | 30  | 50        | 532998 | 2664.99   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | 21.964  | -     | -       |
| 41      | 30  | 50        | 532998 | 2664.99   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | -35.537 | -25   | PASS    |
| 41      | 30  | 50        | 532998 | 2664.99   | DFT-s-OFDM BPSK | 1@0 | 20000MHz-26900.0MHz | -32.445 | -25   | PASS    |
| 41      | 30  | 100       | 509202 | 2546.01   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | 22.432  | -     | -       |
| 41      | 30  | 100       | 509202 | 2546.01   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | -35.453 | -25   | PASS    |
| 41      | 30  | 100       | 509202 | 2546.01   | DFT-s-OFDM BPSK | 1@0 | 20000MHz-26900.0MHz | -32.198 | -25   | PASS    |
| 41      | 30  | 100       | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | 24.963  | -     | -       |
| 41      | 30  | 100       | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | -35.363 | -25   | PASS    |
| 41      | 30  | 100       | 518598 | 2592.99   | DFT-s-OFDM BPSK | 1@0 | 20000MHz-26900.0MHz | -31.939 | -25   | PASS    |
| 41      | 30  | 100       | 528000 | 2640.0    | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | 23.566  | -     | -       |
| 41      | 30  | 100       | 528000 | 2640.0    | DFT-s-OFDM BPSK | 1@0 | 30.0MHz-20000MHz    | -35.224 | -25   | PASS    |
| 41      | 30  | 100       | 528000 | 2640.0    | DFT-s-OFDM BPSK | 1@0 | 20000MHz-26900.0MHz | -32.199 | -25   | PASS    |



Test Graphs









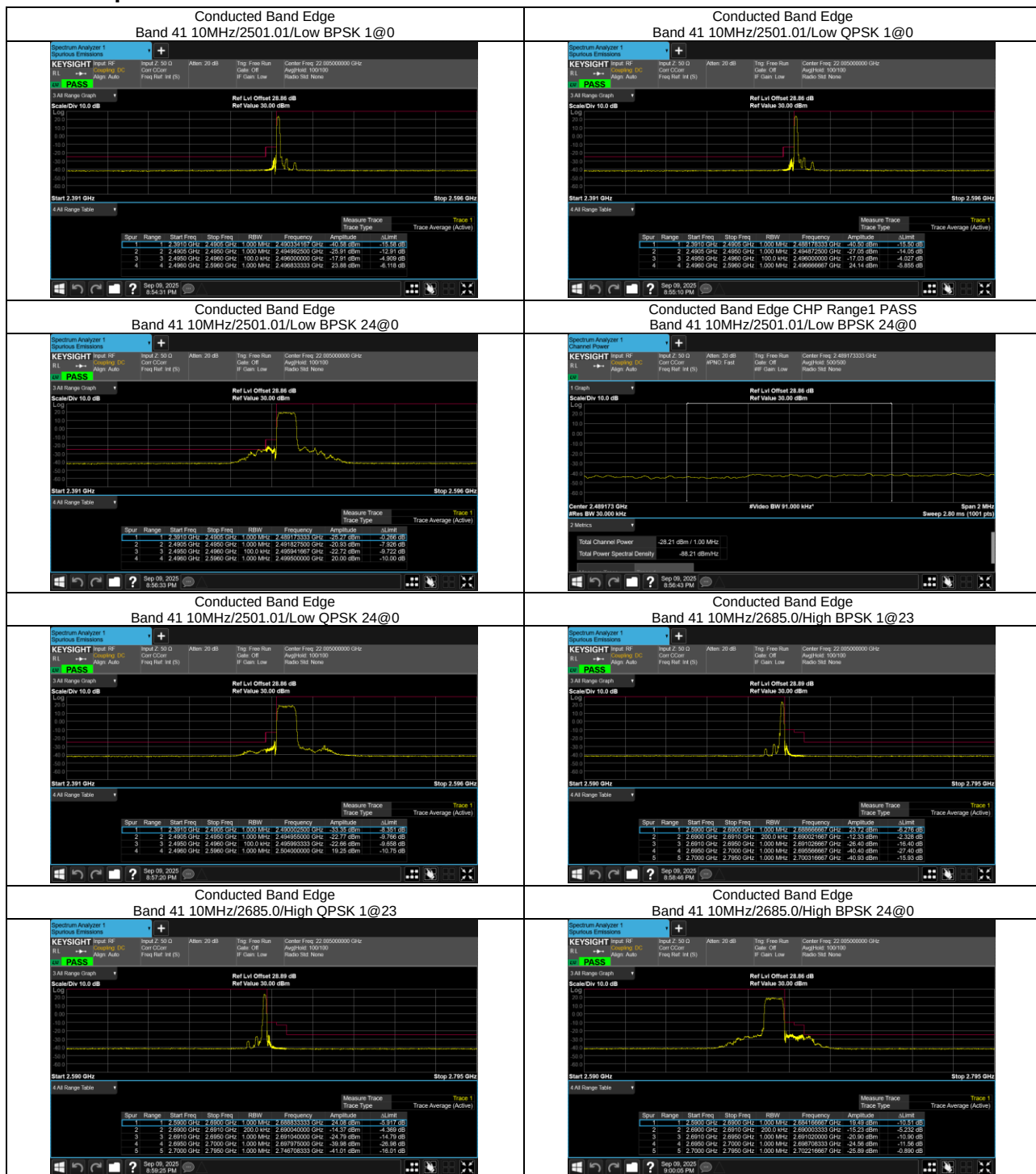
## Conducted Band Edge

### 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    |



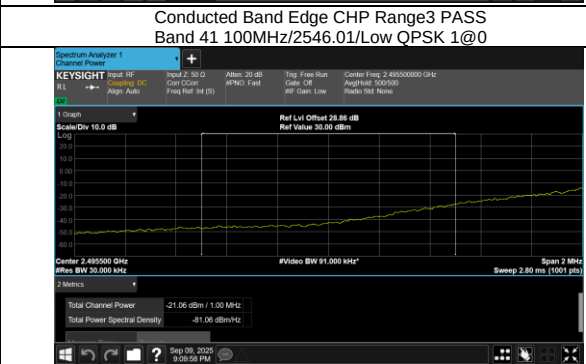
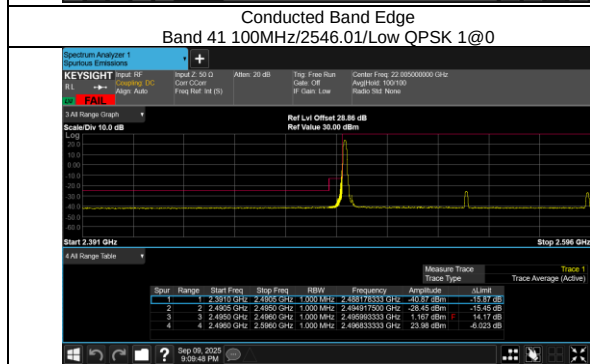
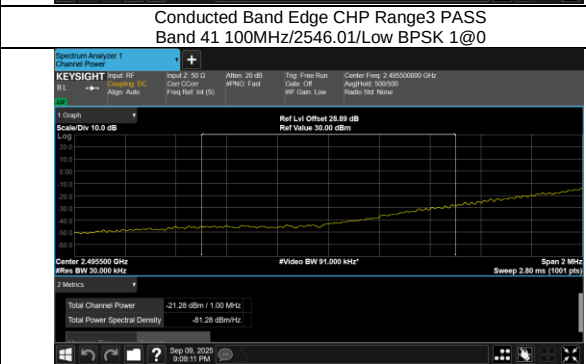
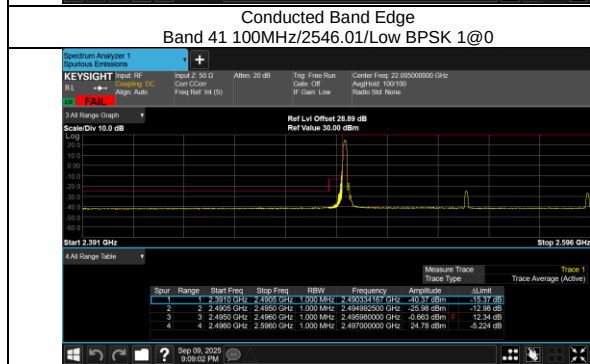
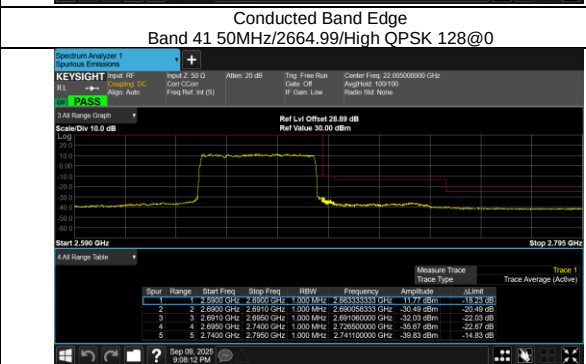
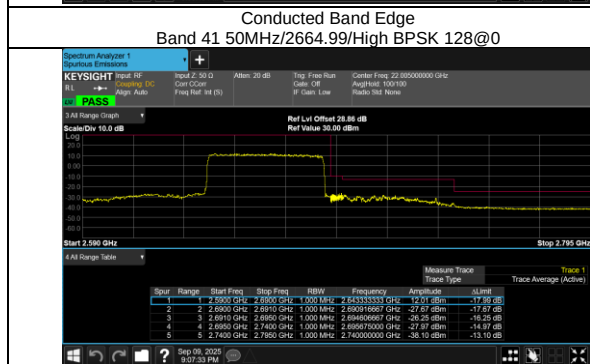
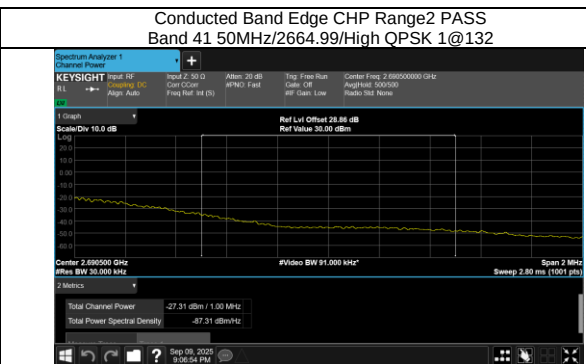
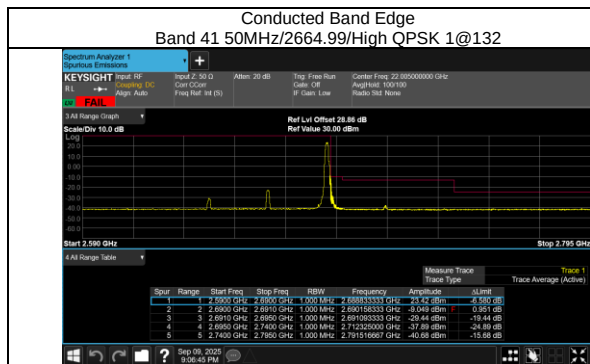
## Test Graphs

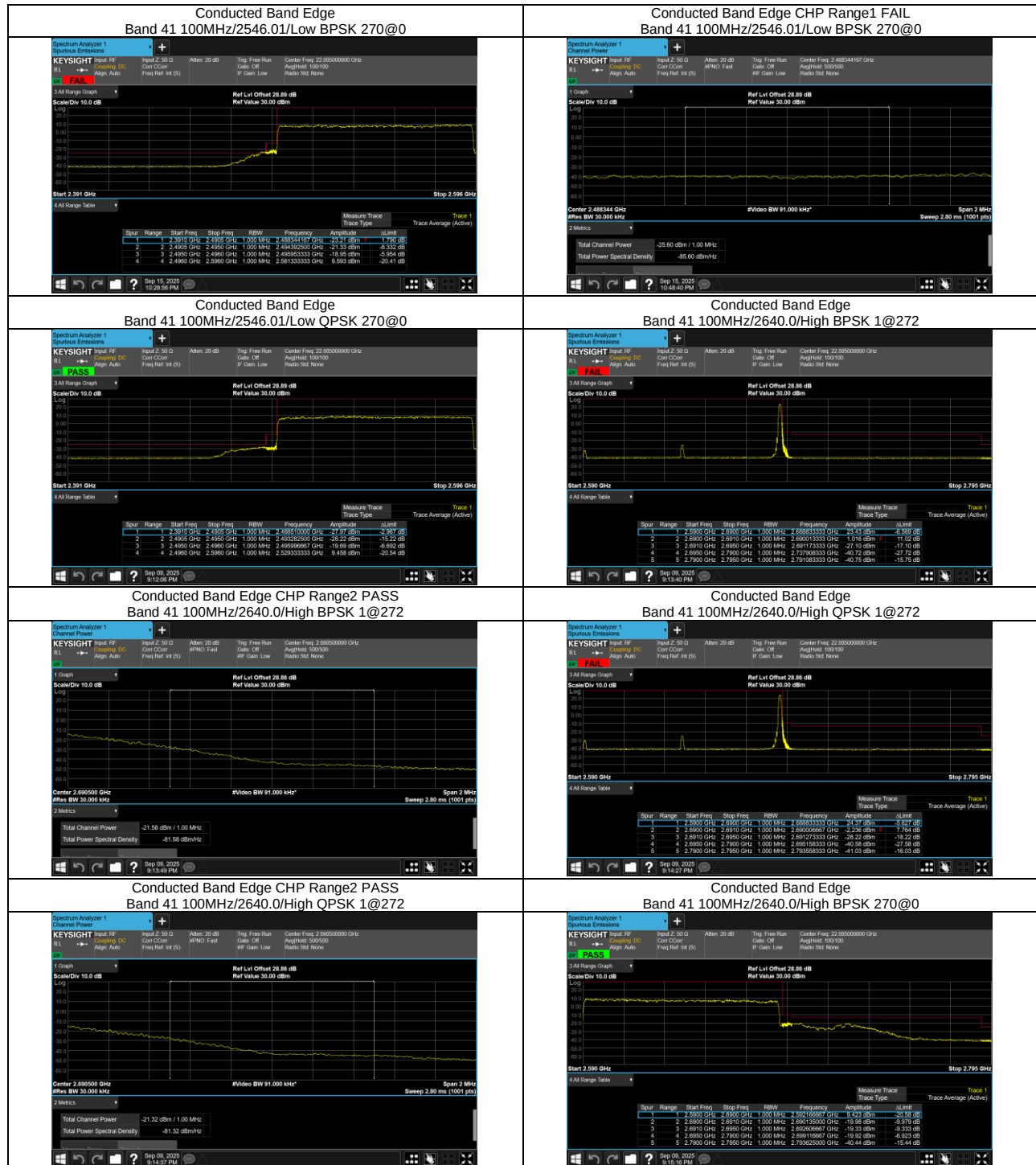


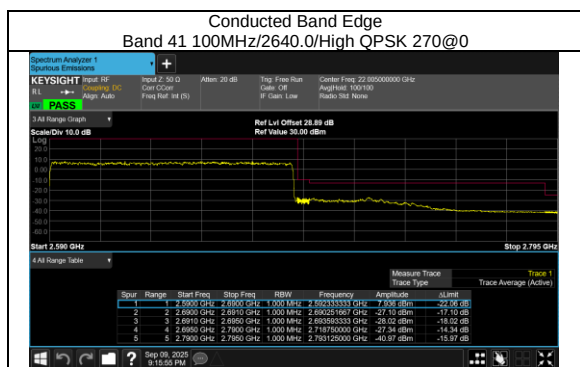




**Report No. : FG581310I**









## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |       |                     |         |
|-----------------|-------|---------------------|---------|
| Test Engineer : | Chris | 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(ANT6) |                   |              |               |                   |                    |                      |                       |                    |
|-------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                        | 5036              | -62.91       | -25           | -37.91            | -73.12             | 3.03                 | 13.24                 | H                  |
|                               | 7556              | -62.06       | -25           | -37.06            | -71.51             | 3.56                 | 13.01                 | H                  |
|                               | 10062             | -61.68       | -25           | -36.68            | -71.20             | 3.92                 | 13.44                 | H                  |
|                               | 5036              | -62.86       | -25           | -37.86            | -73.07             | 3.03                 | 13.24                 | V                  |
|                               | 7556              | -62.01       | -25           | -37.01            | -71.46             | 3.56                 | 13.01                 | V                  |
|                               | 10062             | -62.28       | -25           | -37.28            | -71.80             | 3.92                 | 13.44                 | V                  |

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

| n41 SA / NR 100MHz / QPSK(ANT6) |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                          | 5092              | -62.61       | -25           | -37.61            | -72.82             | 3.03                 | 13.24                 | H                  |
|                                 | 7640              | -61.48       | -25           | -36.48            | -70.93             | 3.56                 | 13.01                 | H                  |
|                                 | 10188             | -61.21       | -25           | -36.21            | -70.73             | 3.92                 | 13.44                 | H                  |
|                                 | 5092              | -62.76       | -25           | -37.76            | -72.97             | 3.03                 | 13.24                 | V                  |
|                                 | 7640              | -61.27       | -25           | -36.27            | -70.72             | 3.56                 | 13.01                 | V                  |
|                                 | 10188             | -61.48       | -25           | -36.48            | -71.00             | 3.92                 | 13.44                 | V                  |

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