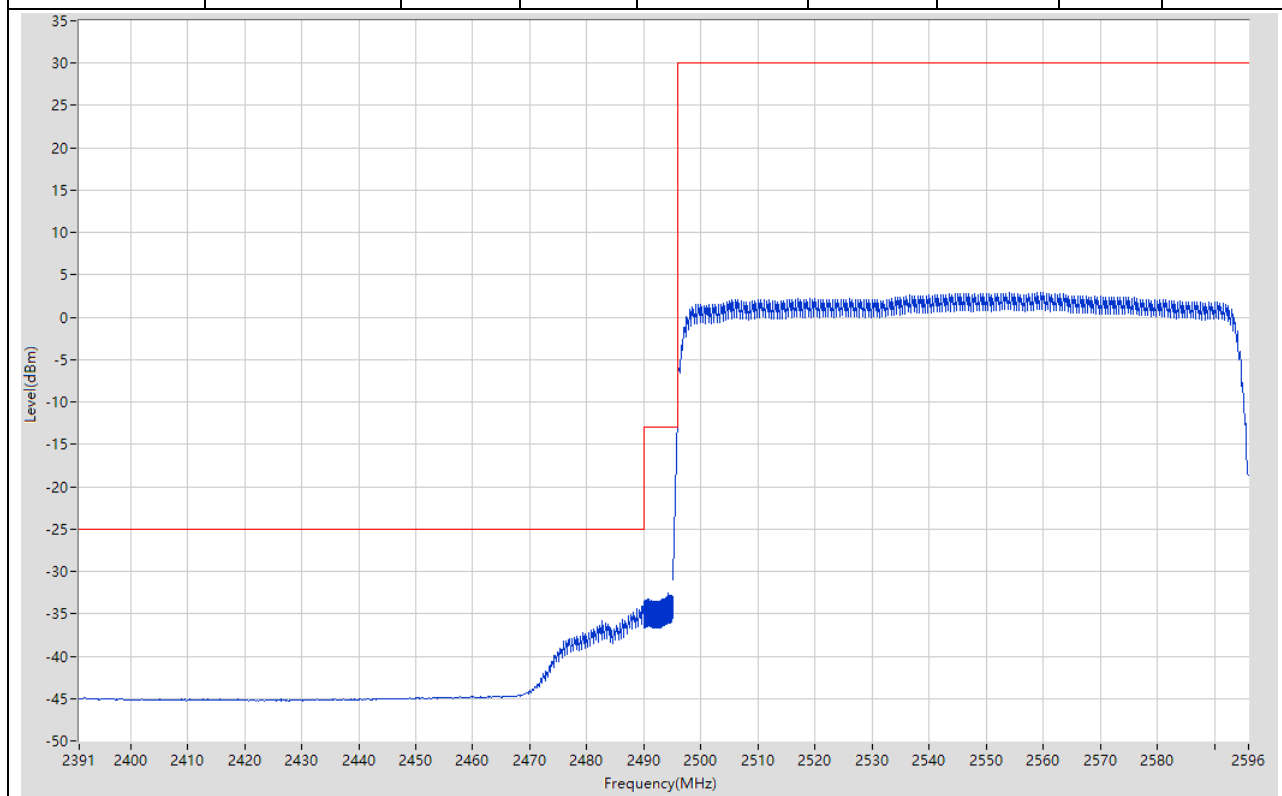


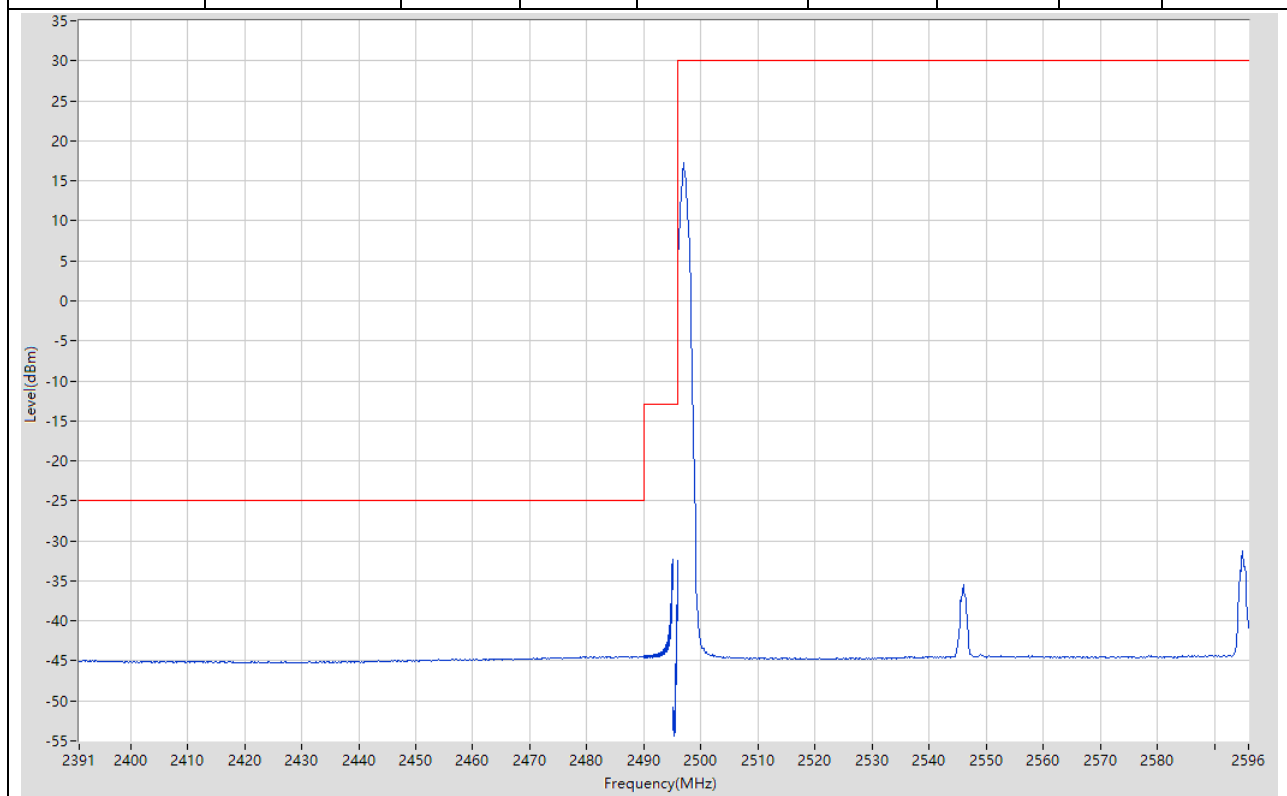
**46.18. Band Edge for SA(NTNV)(Subtest:2, Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detect or | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|-----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS       | 2489.835        | -34.11      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS       | 2494.167        | -32.52      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 2         | RMS       | 2496            | -14.11      | -13         | Pass    | 2           |
| 2496                  | 2596                 | 2         | RMS       | 2559            | 2.95        | 30          | Pass    | 601         |



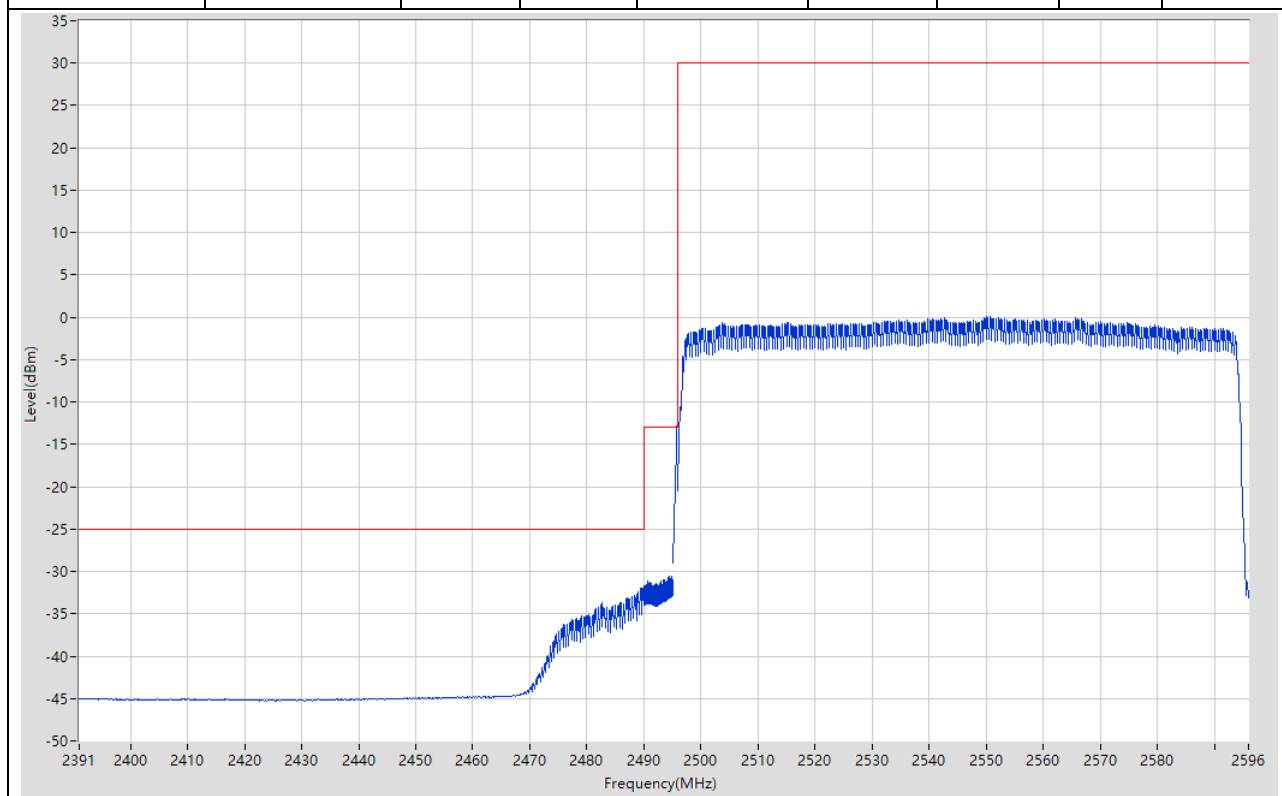
**46.19. Band Edge for SA(NTNV)(Subtest:3, Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detect or | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|-----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS       | 2489.835        | -44.41      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS       | 2494.992        | -32.33      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 0.051     | RMS       | 2496            | -32.42      | -13         | Pass    | 601         |
| 2496                  | 2596                 | 1         | RMS       | 2497            | 17.23       | 30          | Pass    | 601         |



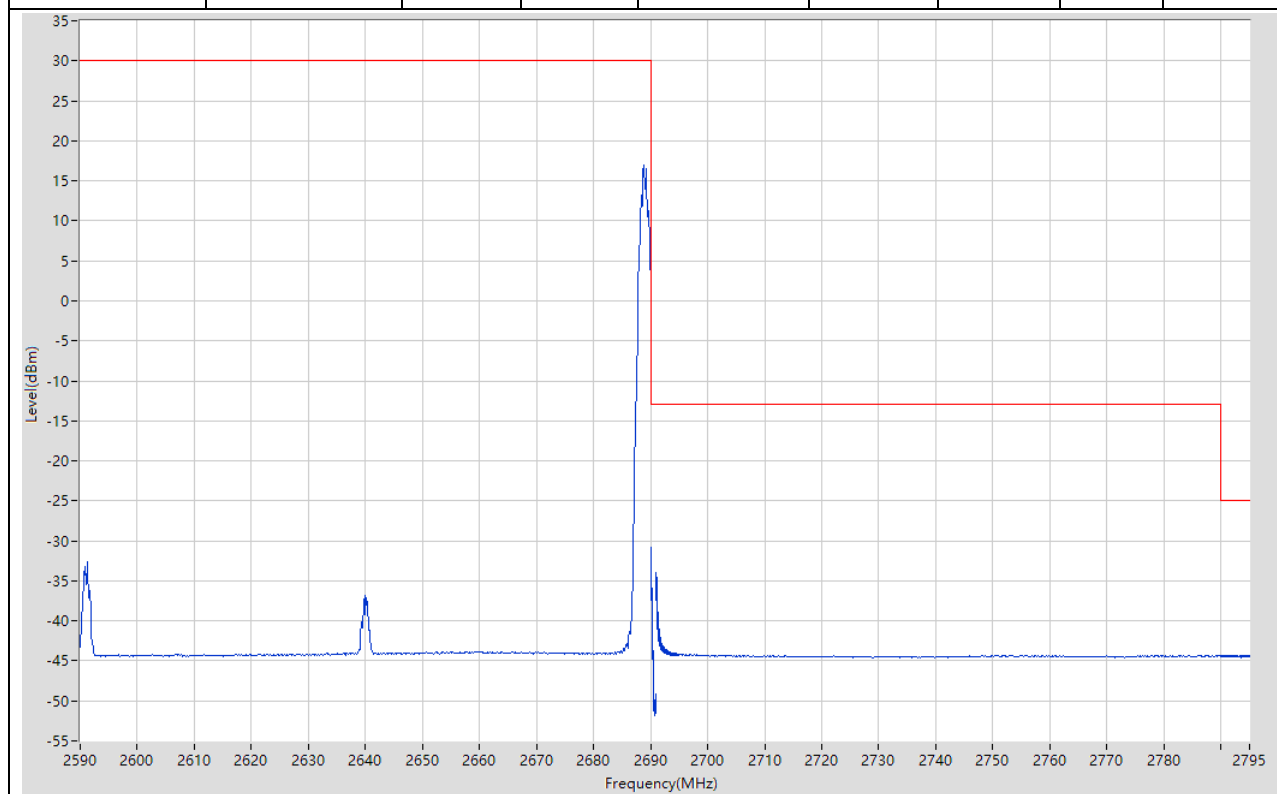
**46.20. Band Edge for SA(NTNV)(Subtest:4, Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detect or | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|-----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS       | 2490            | -31.92      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS       | 2494.817        | -30.54      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 2         | RMS       | 2496            | -15.34      | -13         | Pass    | 2           |
| 2496                  | 2596                 | 1         | RMS       | 2550.167        | 0.16        | 30          | Pass    | 601         |



**46.21. Band Edge for SA(NTNV)(Subtest:5, Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detect or | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|-----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS       | 2688.833        | 16.93       | 30          | Pass    | 601         |
| 2690                  | 2691                 | 0.1       | RMS       | 2690.003        | -30.76      | -13         | Pass    | 601         |
| 2691                  | 2695                 | 1         | RMS       | 2691.007        | -33.91      | -13         | Pass    | 601         |
| 2695                  | 2790                 | 1         | RMS       | 2695.158        | -44.16      | -13         | Pass    | 601         |
| 2790                  | 2795                 | 1         | RMS       | 2793.758        | -44.35      | -25         | Pass    | 601         |



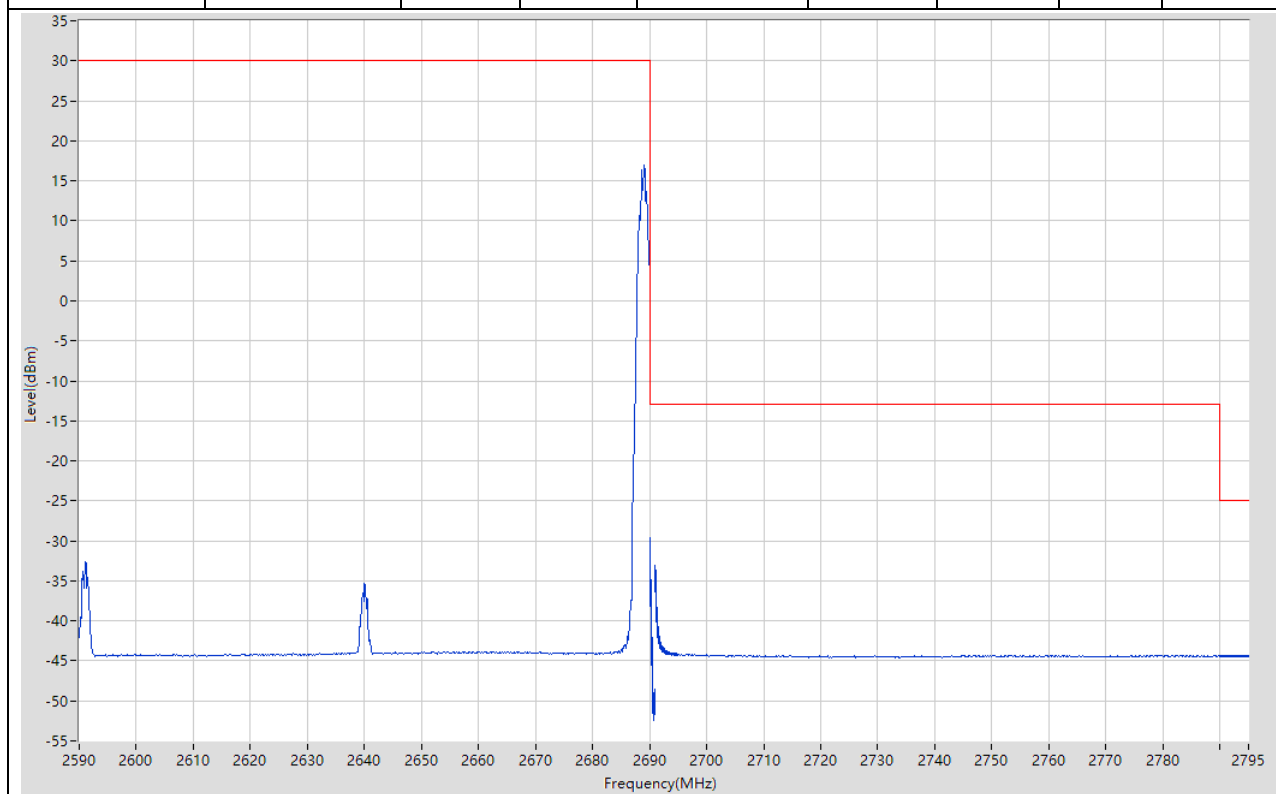
**46.22. Band Edge for SA(NTNV)(Subtest:6, Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detect or | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|-----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS       | 2667.5          | -0.02       | 30          | Pass    | 601         |
| 2690                  | 2691                 | 2         | RMS       | 2690            | -34.22      | -13         | Pass    | 2           |
| 2691                  | 2695                 | 1         | RMS       | 2694.093        | -36.07      | -13         | Pass    | 601         |
| 2695                  | 2790                 | 1         | RMS       | 2695.158        | -36.84      | -13         | Pass    | 601         |
| 2790                  | 2795                 | 1         | RMS       | 2793.992        | -44.29      | -25         | Pass    | 601         |



**46.23. Band Edge for SA(NTNV)(Subtest:7, Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detect or | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|-----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS       | 2689            | 17.03       | 30          | Pass    | 601         |
| 2690                  | 2691                 | 0.1       | RMS       | 2690.002        | -29.6       | -13         | Pass    | 601         |
| 2691                  | 2695                 | 1         | RMS       | 2691.007        | -33.02      | -13         | Pass    | 601         |
| 2695                  | 2790                 | 1         | RMS       | 2695.158        | -44.15      | -13         | Pass    | 601         |
| 2790                  | 2795                 | 1         | RMS       | 2792.083        | -44.31      | -25         | Pass    | 601         |



**46.24. Band Edge for SA(NTNV)(Subtest:8, Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

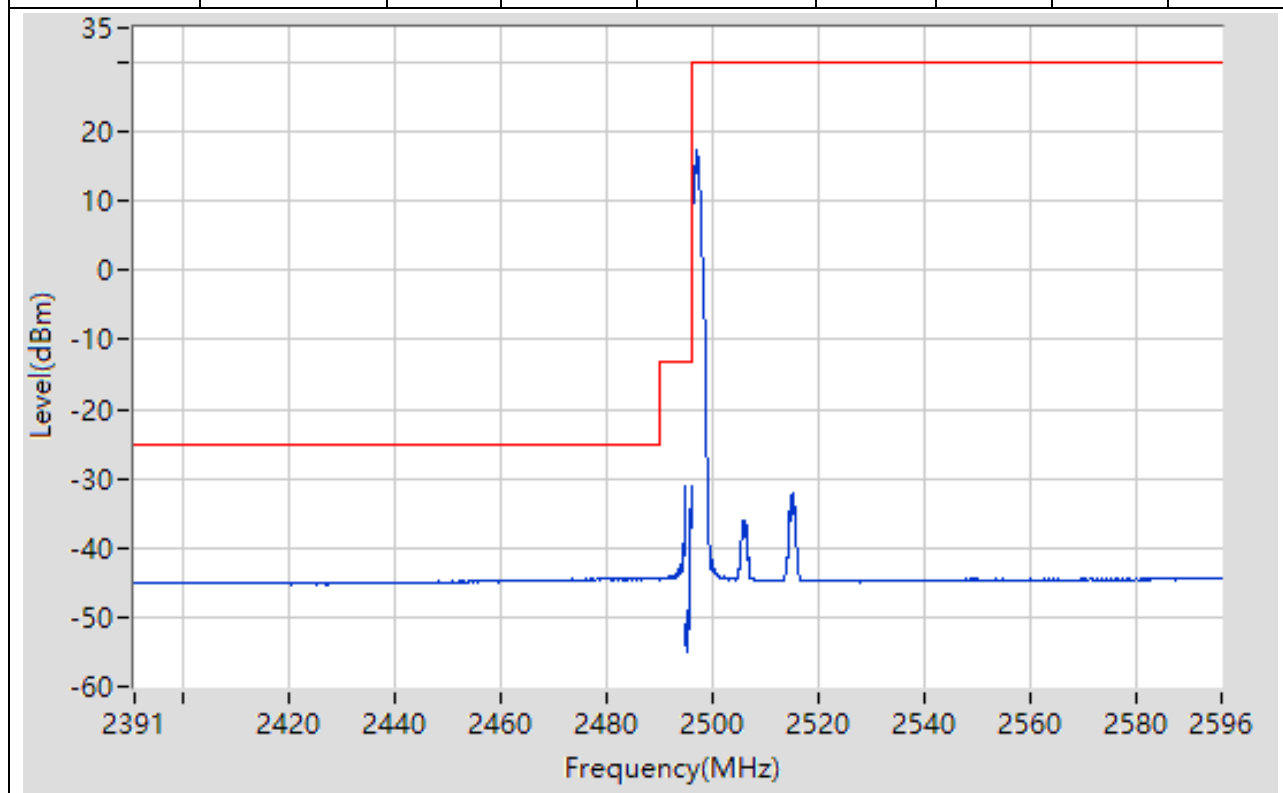
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detect or | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|-----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS       | 2660.333        | 0.04        | 30          | Pass    | 601         |
| 2690                  | 2691                 | 2         | RMS       | 2690            | -32.59      | -13         | Pass    | 2           |
| 2691                  | 2695                 | 1         | RMS       | 2693.967        | -34.07      | -13         | Pass    | 601         |
| 2695                  | 2790                 | 1         | RMS       | 2695.475        | -34.82      | -13         | Pass    | 601         |
| 2790                  | 2795                 | 1         | RMS       | 2790.108        | -44.29      | -25         | Pass    | 601         |



## 47. n41 30kHz(MIMO\_ANT3)

47.1. Band Edge for SA(NTNV)(Subtest:1, Channel:501204, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)

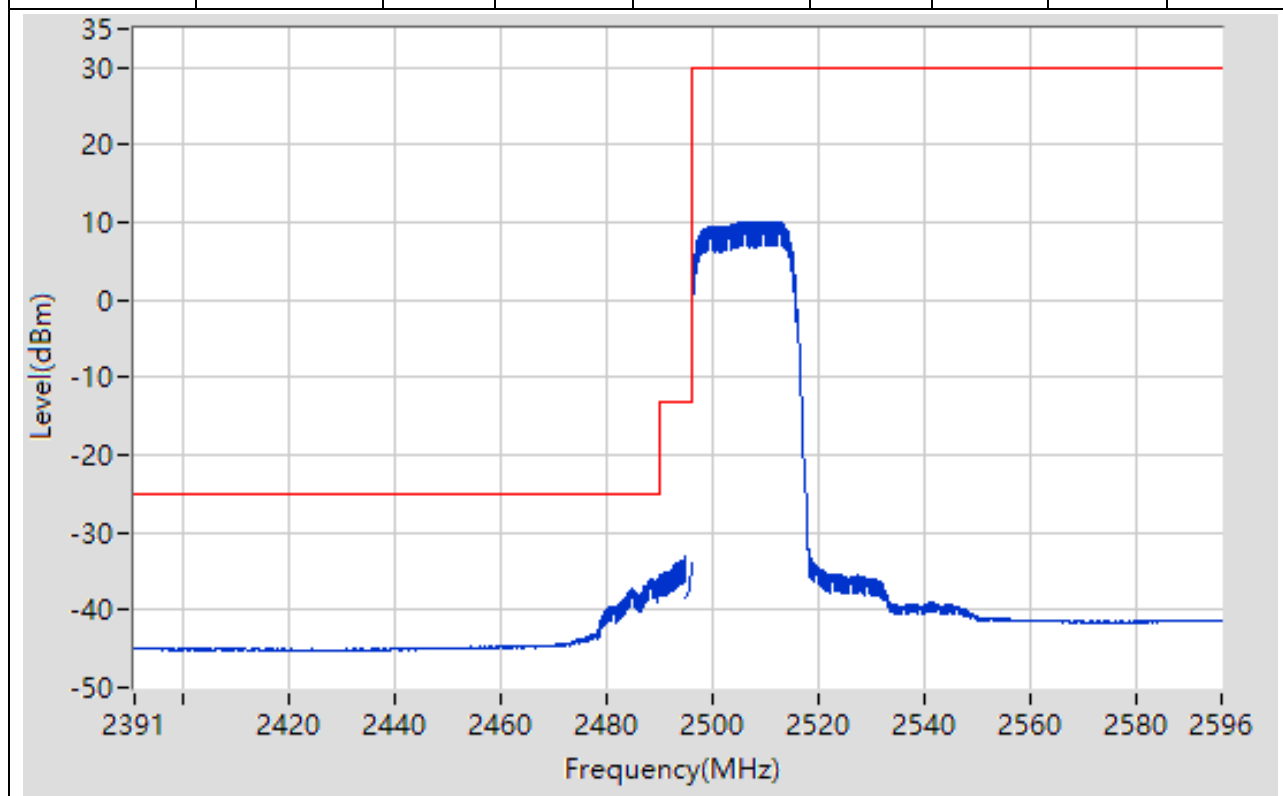
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2488.02         | -44.34      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2494.992        | -31.16      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 0.051     | RMS      | 2496            | -31.21      | -13         | Pass    | 601         |
| 2496                  | 2596                 | 1         | RMS      | 2497            | 17.41       | 30          | Pass    | 601         |





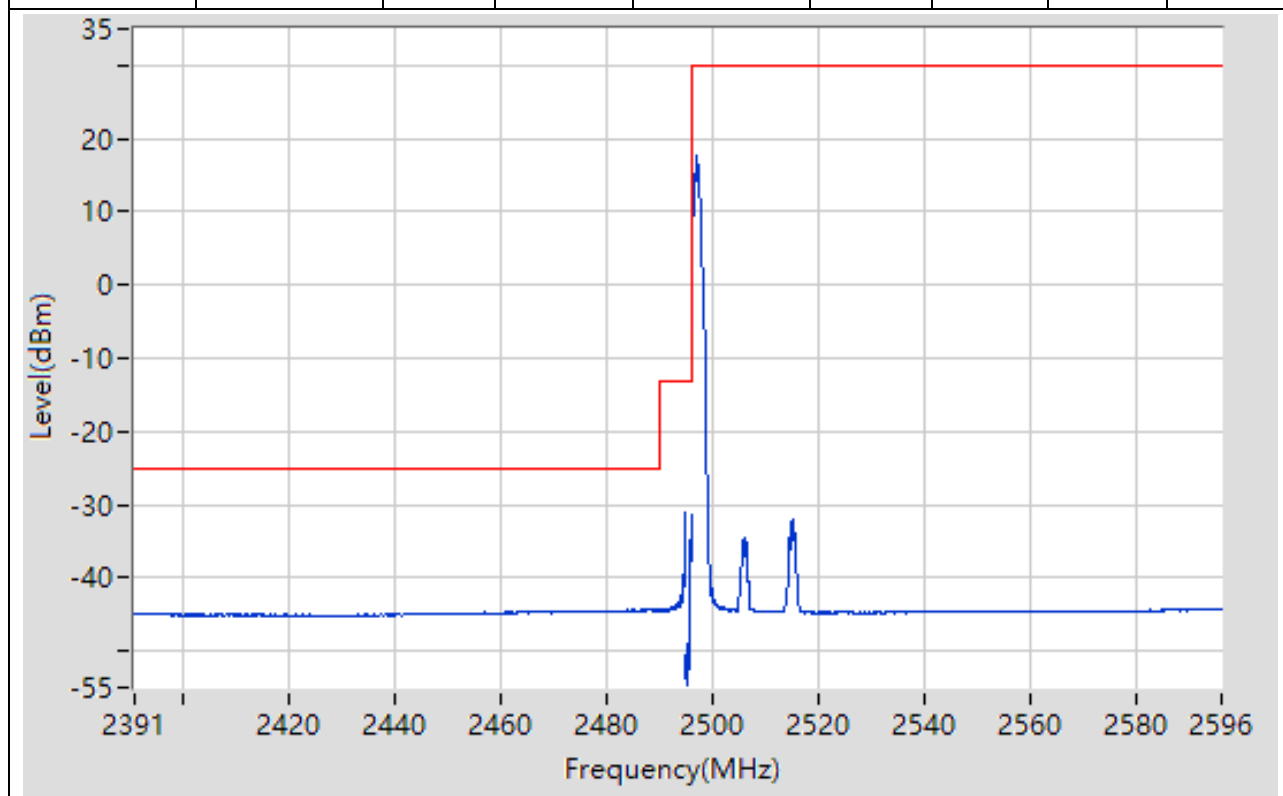
**47.2. Band Edge for SA(NTNV)(Subtest:2, Channel:501204, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2489.835        | -35.83      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2495            | -33.06      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 0.4       | RMS      | 2496            | -34.07      | -13         | Pass    | 4           |
| 2496                  | 2596                 | 2         | RMS      | 2510.167        | 10.13       | 30          | Pass    | 601         |



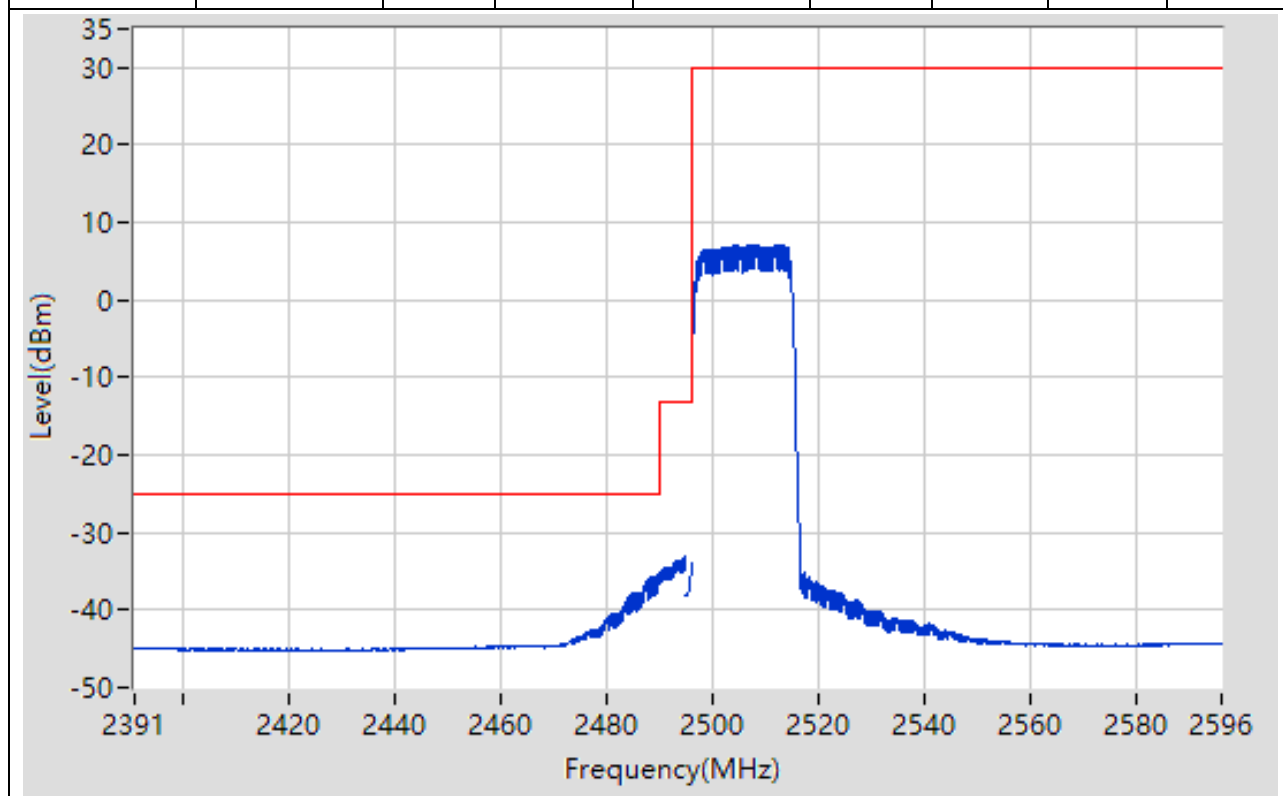
**47.3. Band Edge for SA(NTNV)(Subtest:3, Channel:501204, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2488.185        | -44.26      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2494.992        | -31.24      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 0.051     | RMS      | 2496            | -31.38      | -13         | Pass    | 601         |
| 2496                  | 2596                 | 1         | RMS      | 2497            | 17.55       | 30          | Pass    | 601         |



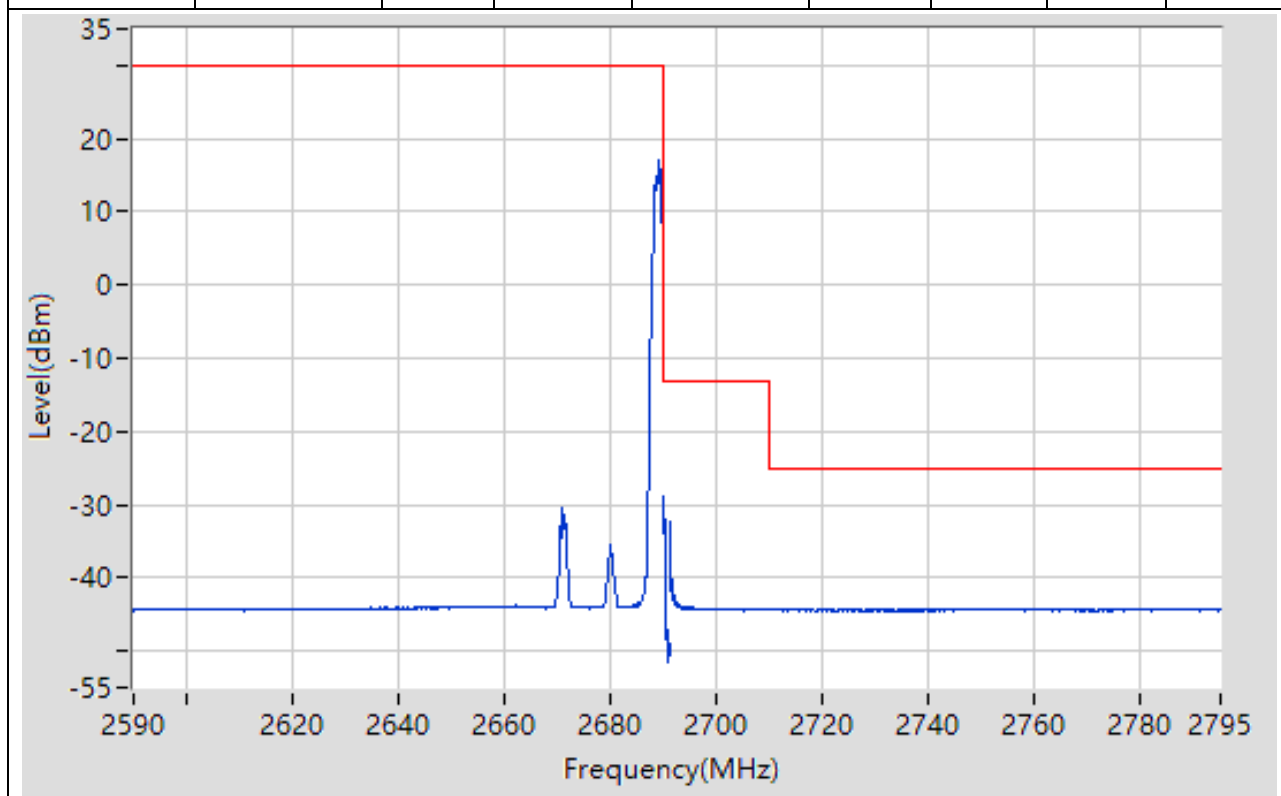
**47.4. Band Edge for SA(NTNV)(Subtest:4, Channel:501204, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2490            | -35.24      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2494.992        | -32.91      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 0.4       | RMS      | 2496            | -33.94      | -13         | Pass    | 4           |
| 2496                  | 2596                 | 1         | RMS      | 2507.333        | 7.17        | 30          | Pass    | 601         |



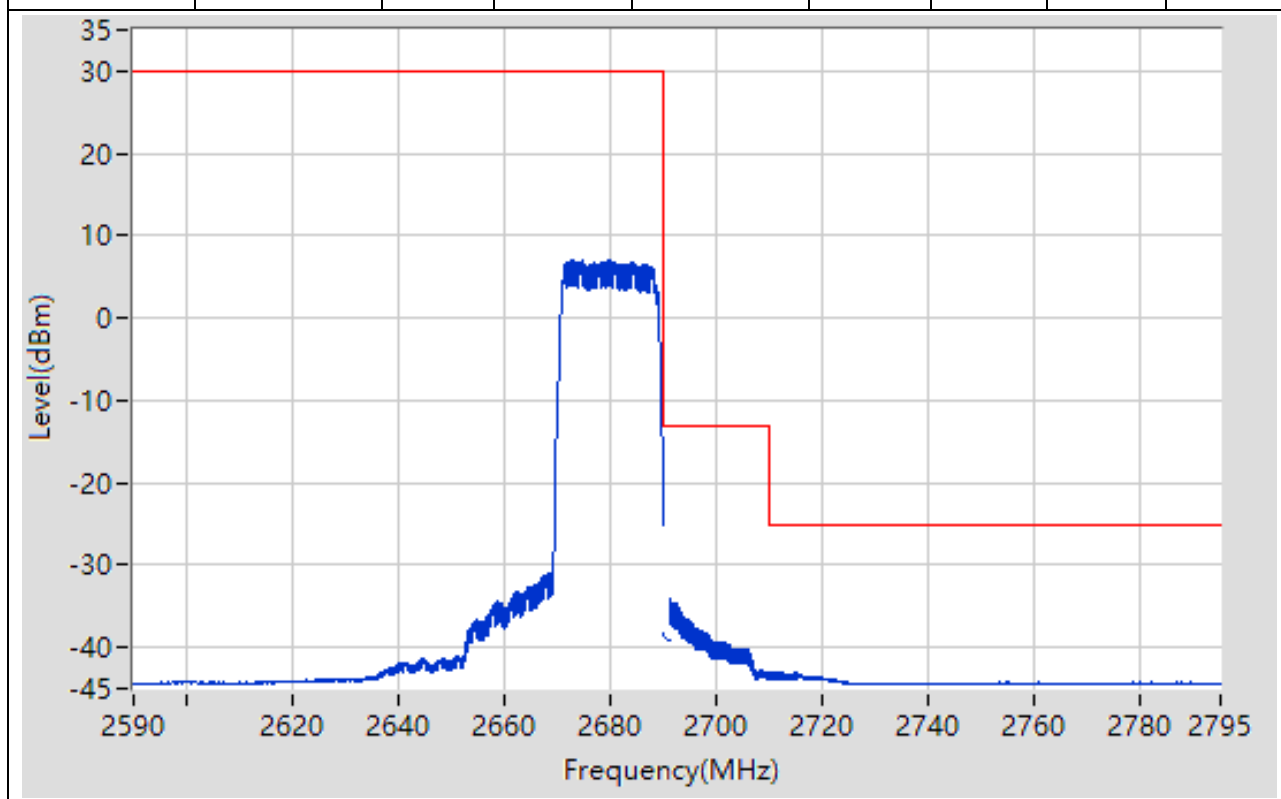
**47.5. Band Edge for SA(NTNV)(Subtest:5, Channel:535998, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2689            | 17.16       | 30          | Pass    | 601         |
| 2690                  | 2691                 | 0.1       | RMS      | 2690            | -29.02      | -13         | Pass    | 601         |
| 2691                  | 2695                 | 1         | RMS      | 2691            | -32.23      | -13         | Pass    | 601         |
| 2695                  | 2710                 | 1         | RMS      | 2695.325        | -44.14      | -13         | Pass    | 601         |
| 2710                  | 2795                 | 1         | RMS      | 2790.608        | -44.28      | -25         | Pass    | 601         |



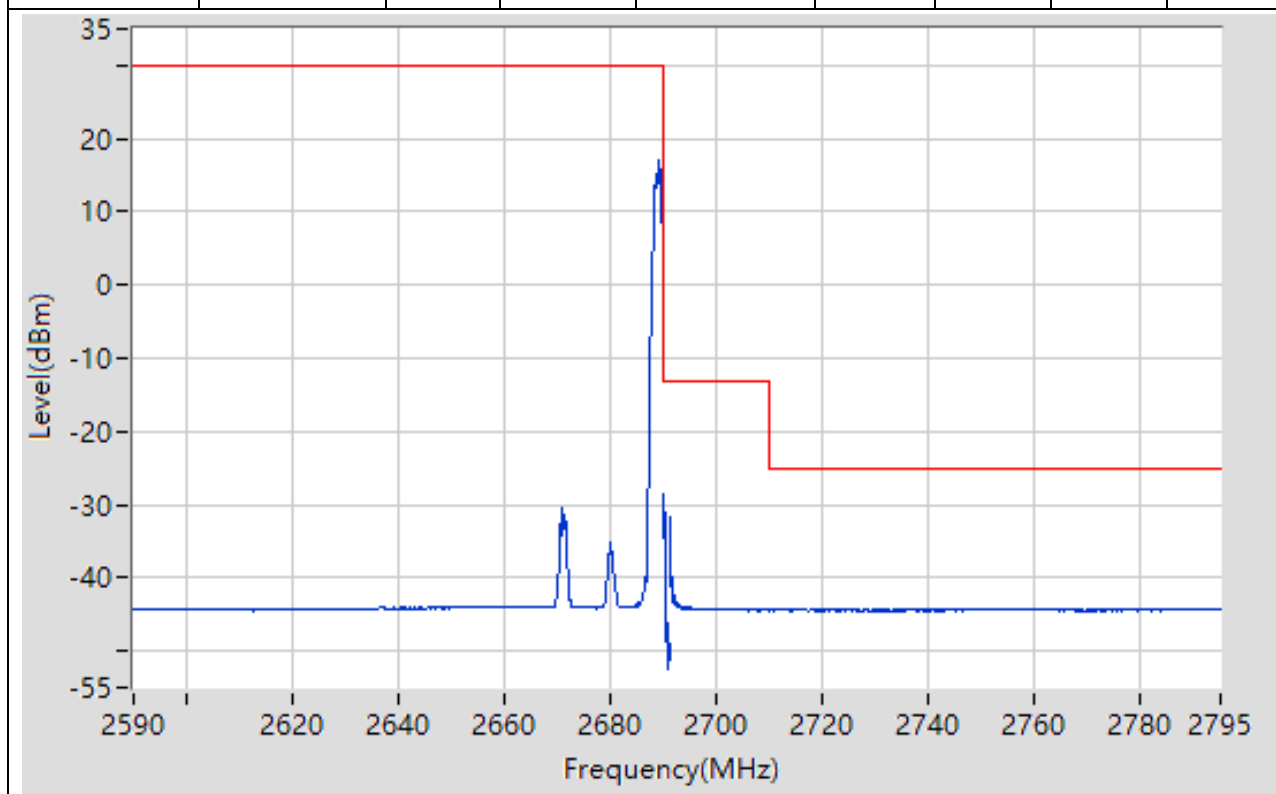
**47.6. Band Edge for SA(NTNV)(Subtest:6, Channel:535998, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2672.667        | 6.97        | 30          | Pass    | 601         |
| 2690                  | 2691                 | 0.4       | RMS      | 2690            | -38.19      | -13         | Pass    | 4           |
| 2691                  | 2695                 | 1         | RMS      | 2691.087        | -34.06      | -13         | Pass    | 601         |
| 2695                  | 2710                 | 1         | RMS      | 2695            | -37.06      | -13         | Pass    | 601         |
| 2710                  | 2715                 | 1         | RMS      | 2711.842        | -42.98      | -25         | Pass    | 601         |
| 2715                  | 2795                 | 1         | RMS      | 2715.267        | -43.12      | -25         | Pass    | 601         |



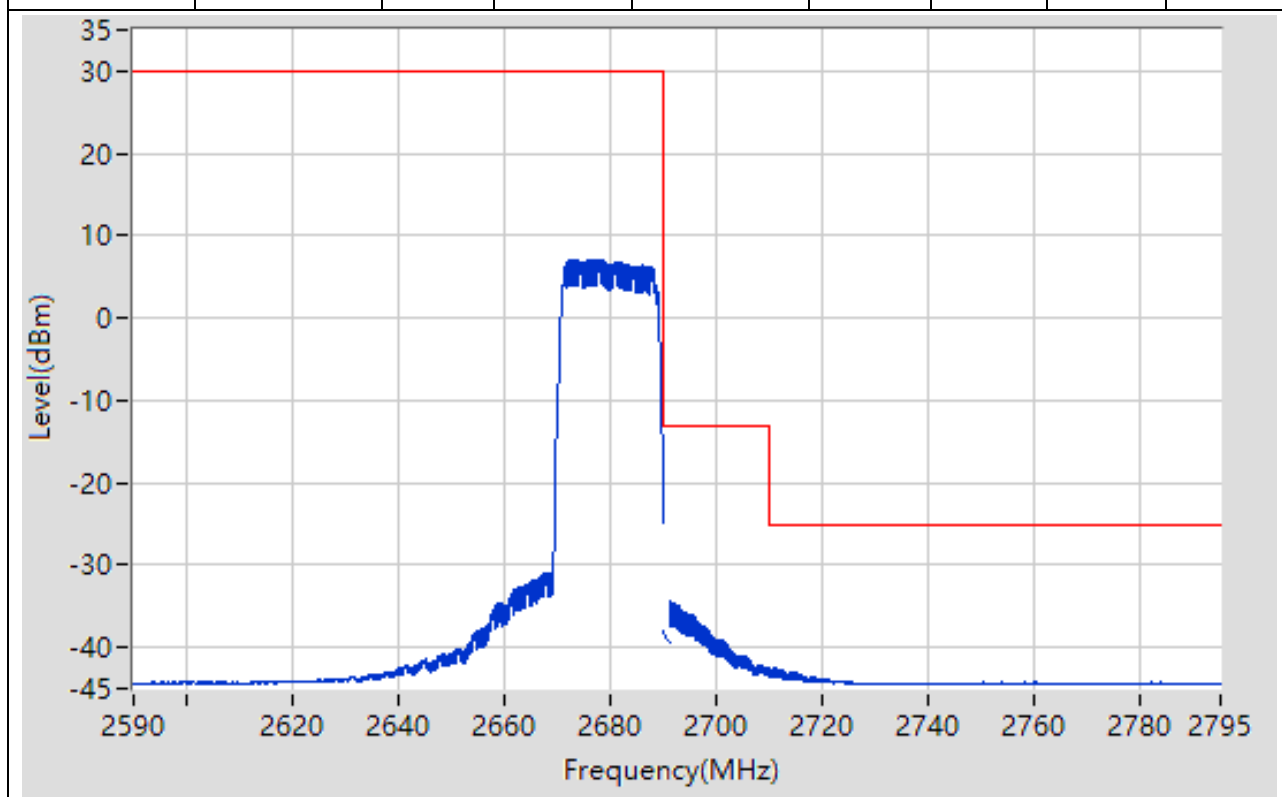
**47.7. Band Edge for SA(NTNV)(Subtest:7, Channel:535998, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2689            | 17.19       | 30          | Pass    | 601         |
| 2690                  | 2691                 | 0.1       | RMS      | 2690.003        | -28.42      | -13         | Pass    | 601         |
| 2691                  | 2695                 | 1         | RMS      | 2691.007        | -31.67      | -13         | Pass    | 601         |
| 2695                  | 2710                 | 1         | RMS      | 2695.05         | -44.09      | -13         | Pass    | 601         |
| 2710                  | 2795                 | 1         | RMS      | 2755.475        | -44.29      | -25         | Pass    | 601         |



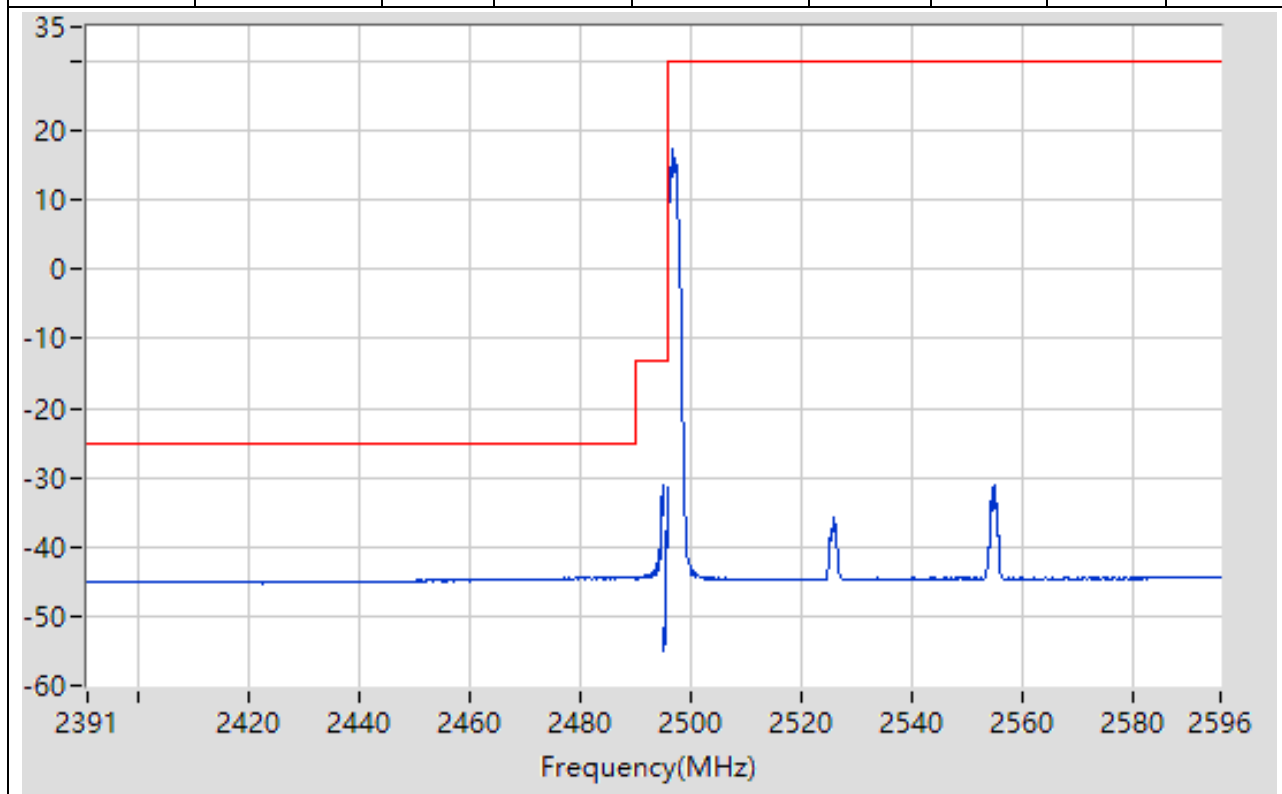
**47.8. Band Edge for SA(NTNV)(Subtest:8, Channel:535998, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2678.167        | 7.06        | 30          | Pass    | 601         |
| 2690                  | 2691                 | 0.4       | RMS      | 2690            | -38.07      | -13         | Pass    | 4           |
| 2691                  | 2695                 | 1         | RMS      | 2691            | -34.28      | -13         | Pass    | 601         |
| 2695                  | 2710                 | 1         | RMS      | 2695.025        | -36.07      | -13         | Pass    | 601         |
| 2710                  | 2715                 | 1         | RMS      | 2710.767        | -42.58      | -25         | Pass    | 601         |
| 2715                  | 2795                 | 1         | RMS      | 2715.133        | -43.22      | -25         | Pass    | 601         |



**47.9. Band Edge for SA(NTNV)(Subtest:1, Channel:505200, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

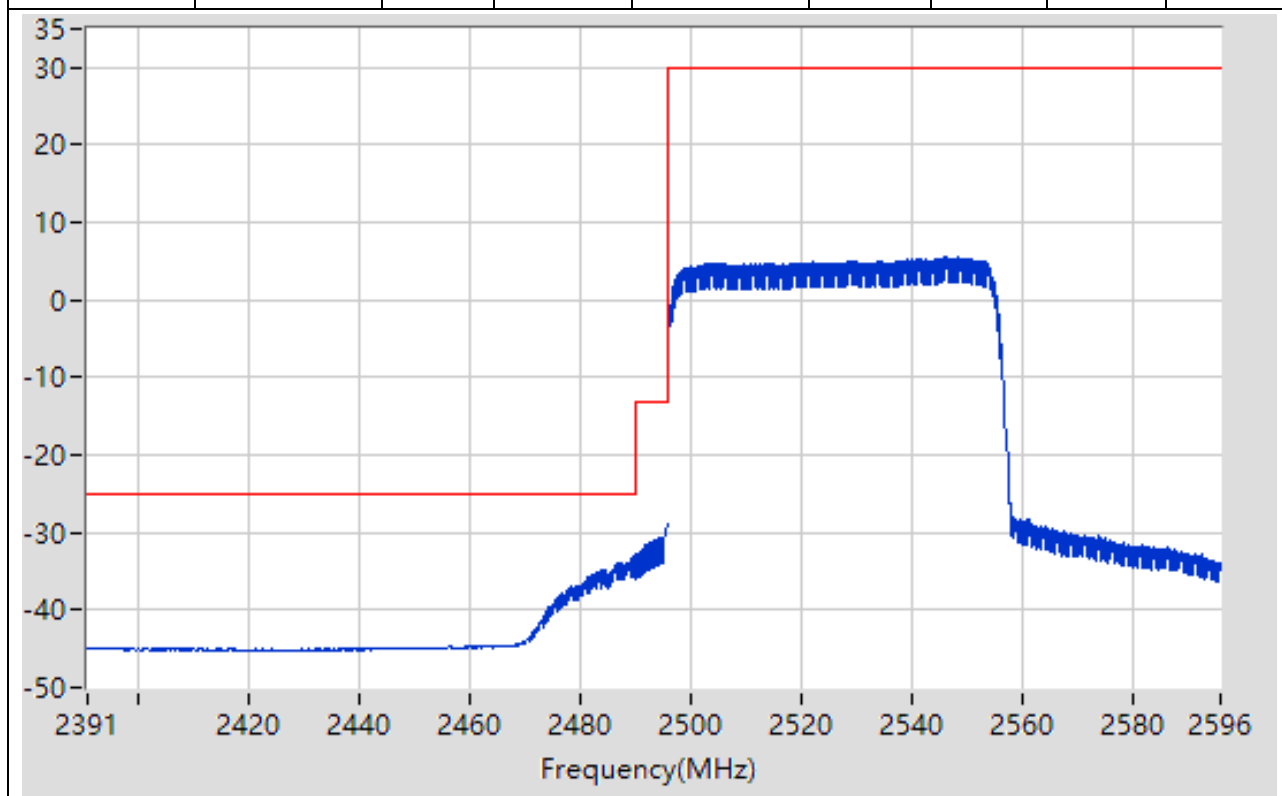
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2489.67         | -44.33      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2495            | -31.03      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 0.051     | RMS      | 2496            | -31.52      | -13         | Pass    | 601         |
| 2496                  | 2596                 | 1         | RMS      | 2497            | 17.37       | 30          | Pass    | 601         |





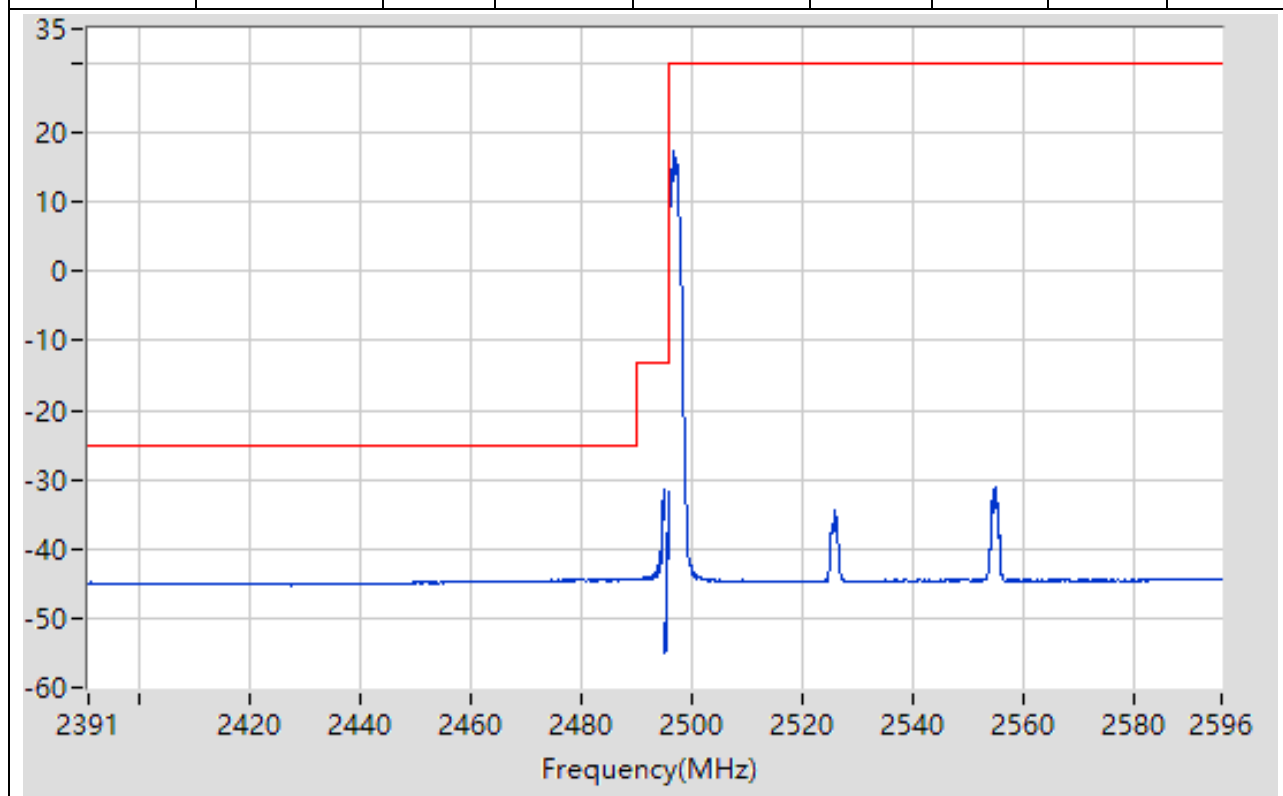
**47.10. Band Edge for SA(NTNV)(Subtest:2, Channel:505200, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2489.835        | -33.17      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2494.967        | -30.61      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 1.2       | RMS      | 2496            | -28.84      | -13         | Pass    | 2           |
| 2496                  | 2596                 | 2         | RMS      | 2546            | 5.51        | 30          | Pass    | 601         |



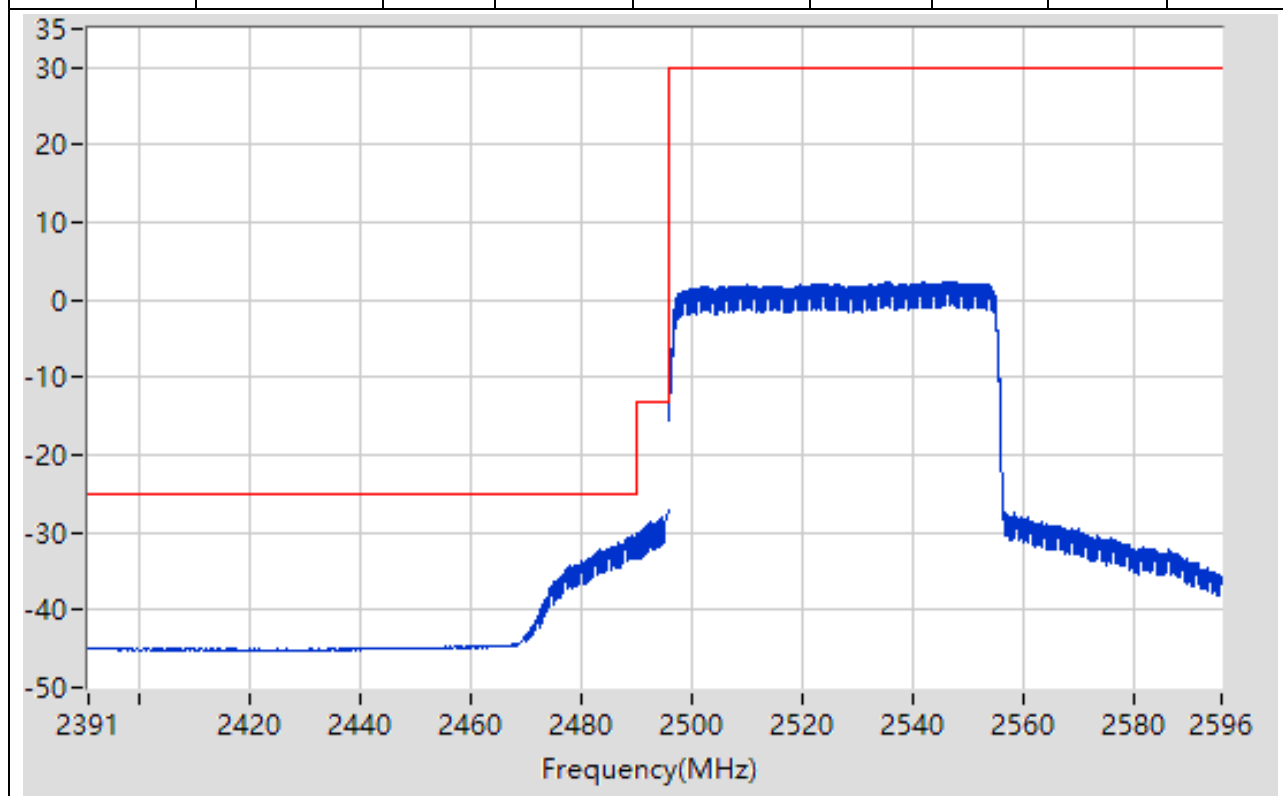
**47.11. Band Edge for SA(NTNV)(Subtest:3, Channel:505200, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2489.835        | -44.39      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2495            | -31.39      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 0.051     | RMS      | 2495.998        | -31.8       | -13         | Pass    | 601         |
| 2496                  | 2596                 | 1         | RMS      | 2497            | 17.5        | 30          | Pass    | 601         |



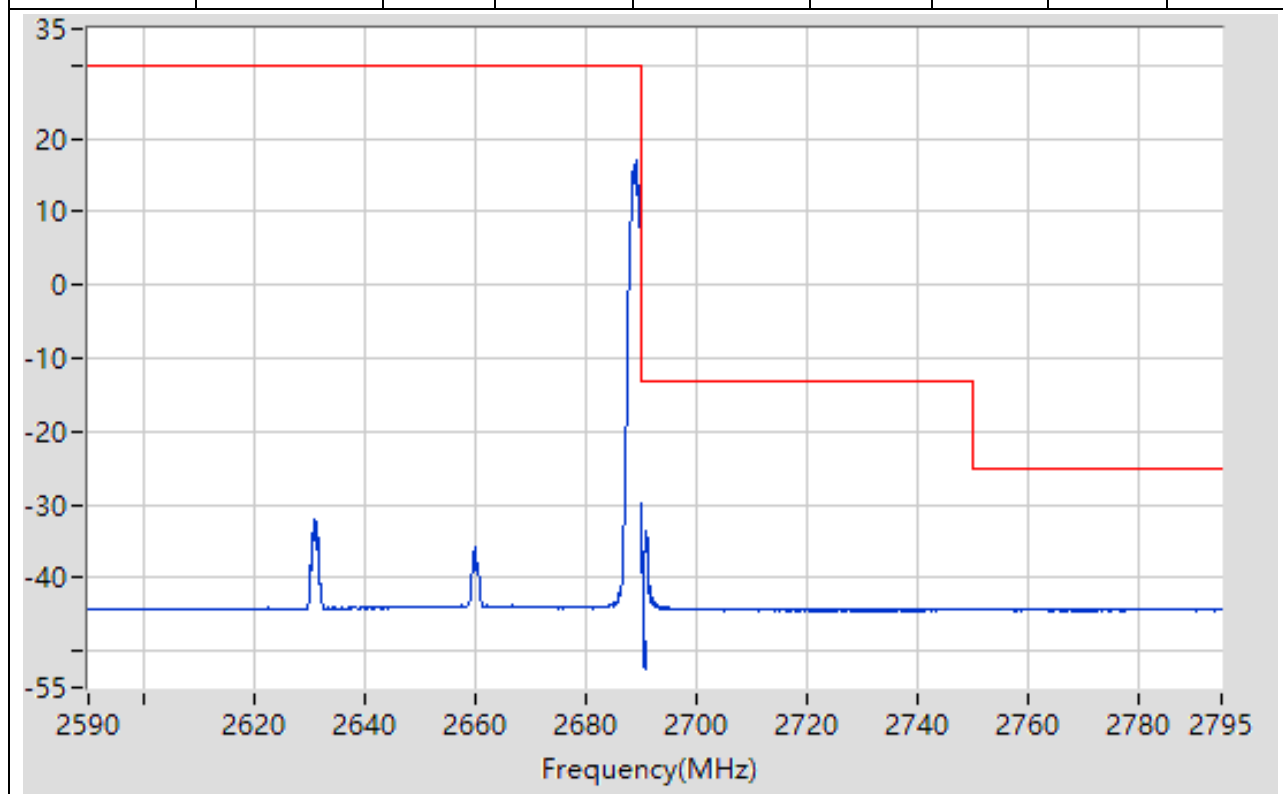
**47.12. Band Edge for SA(NTNV)(Subtest:4, Channel:505200, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2489.175        | -30.44      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2494.667        | -28.15      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 1.2       | RMS      | 2496            | -27.16      | -13         | Pass    | 2           |
| 2496                  | 2596                 | 1         | RMS      | 2547            | 2.45        | 30          | Pass    | 601         |



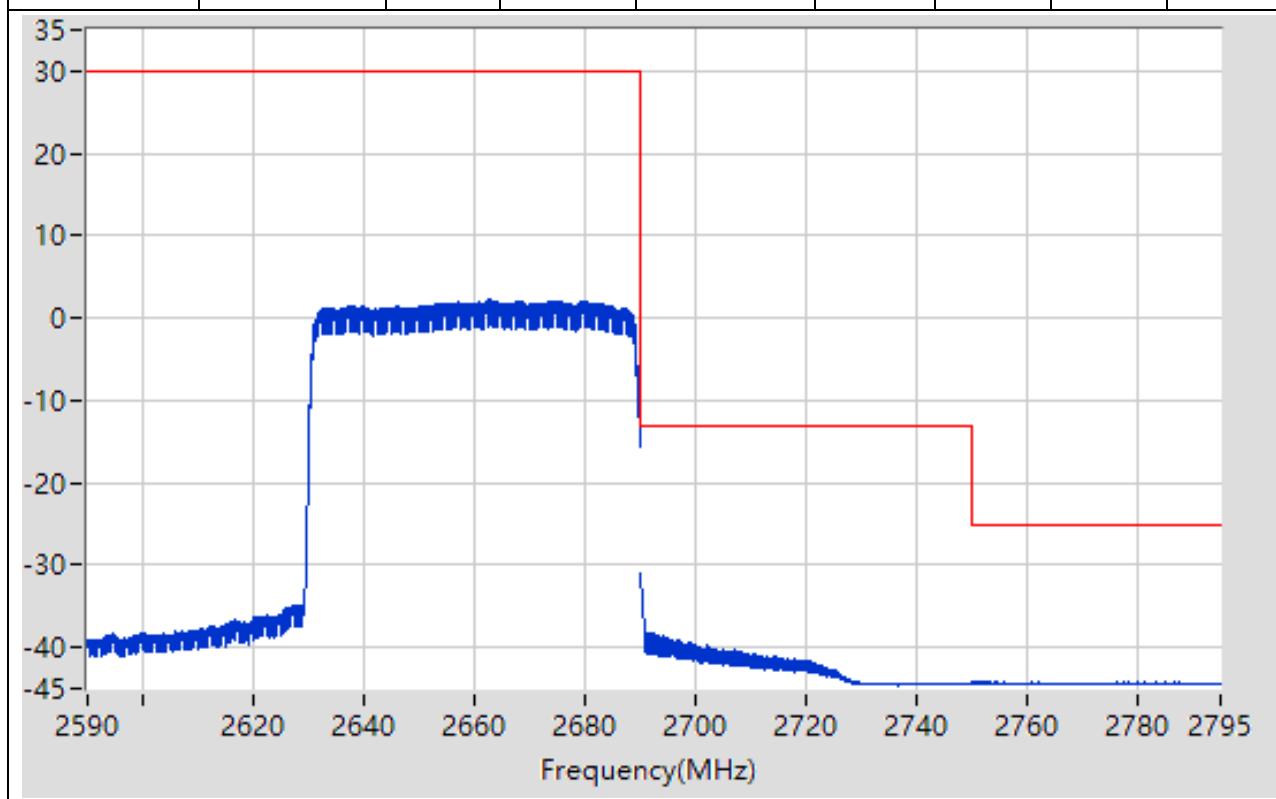
**47.13. Band Edge for SA(NTNV)(Subtest:5, Channel:531996, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2689            | 17.04       | 30          | Pass    | 601         |
| 2690                  | 2691                 | 0.1       | RMS      | 2690            | -29.9       | -13         | Pass    | 601         |
| 2691                  | 2695                 | 1         | RMS      | 2691            | -33.57      | -13         | Pass    | 601         |
| 2695                  | 2750                 | 1         | RMS      | 2695.55         | -44.17      | -13         | Pass    | 601         |
| 2750                  | 2795                 | 1         | RMS      | 2750.525        | -44.26      | -25         | Pass    | 601         |



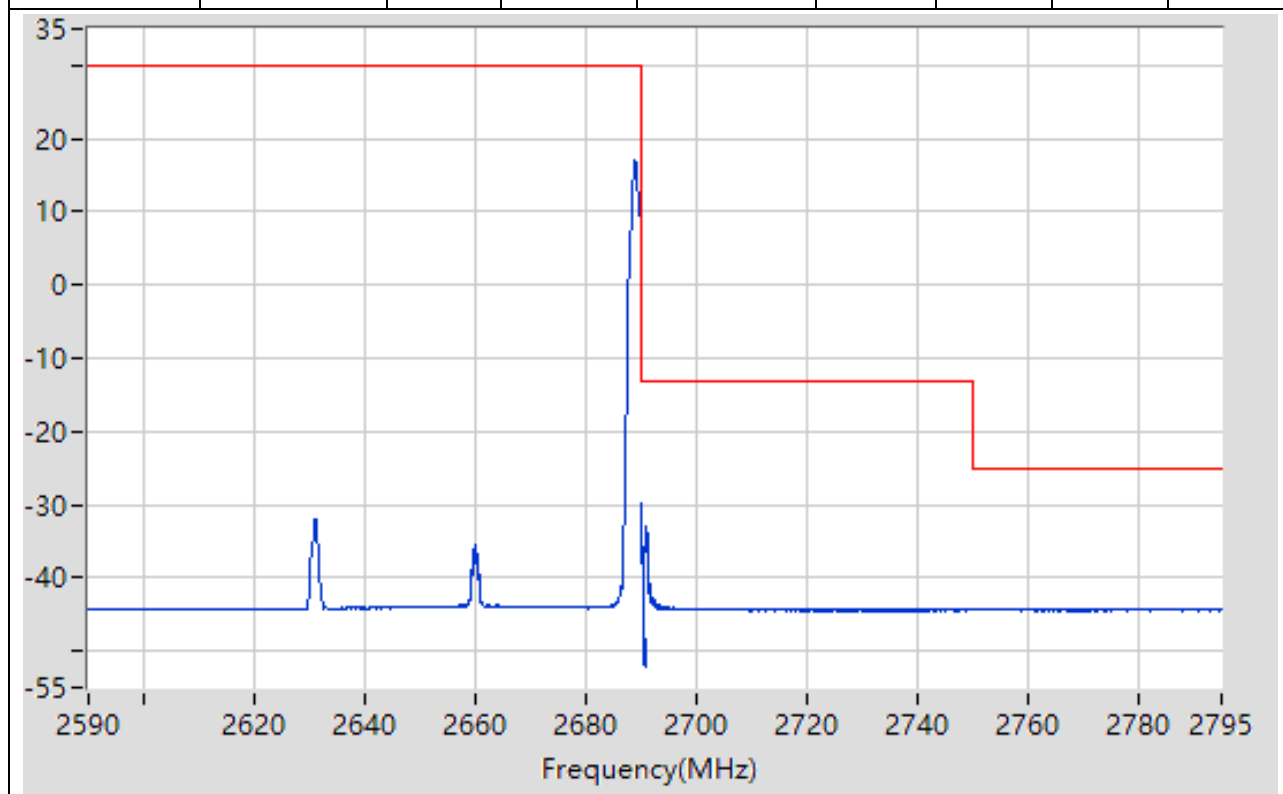
**47.14. Band Edge for SA(NTNV)(Subtest:6, Channel:531996, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2663            | 2.17        | 30          | Pass    | 601         |
| 2690                  | 2691                 | 1.2       | RMS      | 2690            | -30.9       | -13         | Pass    | 2           |
| 2691                  | 2695                 | 1         | RMS      | 2691.367        | -38.19      | -13         | Pass    | 601         |
| 2695                  | 2750                 | 1         | RMS      | 2695.183        | -38.79      | -13         | Pass    | 601         |
| 2750                  | 2755                 | 1         | RMS      | 2751.95         | -44.25      | -25         | Pass    | 601         |
| 2755                  | 2795                 | 1         | RMS      | 2760.8          | -44.26      | -25         | Pass    | 601         |



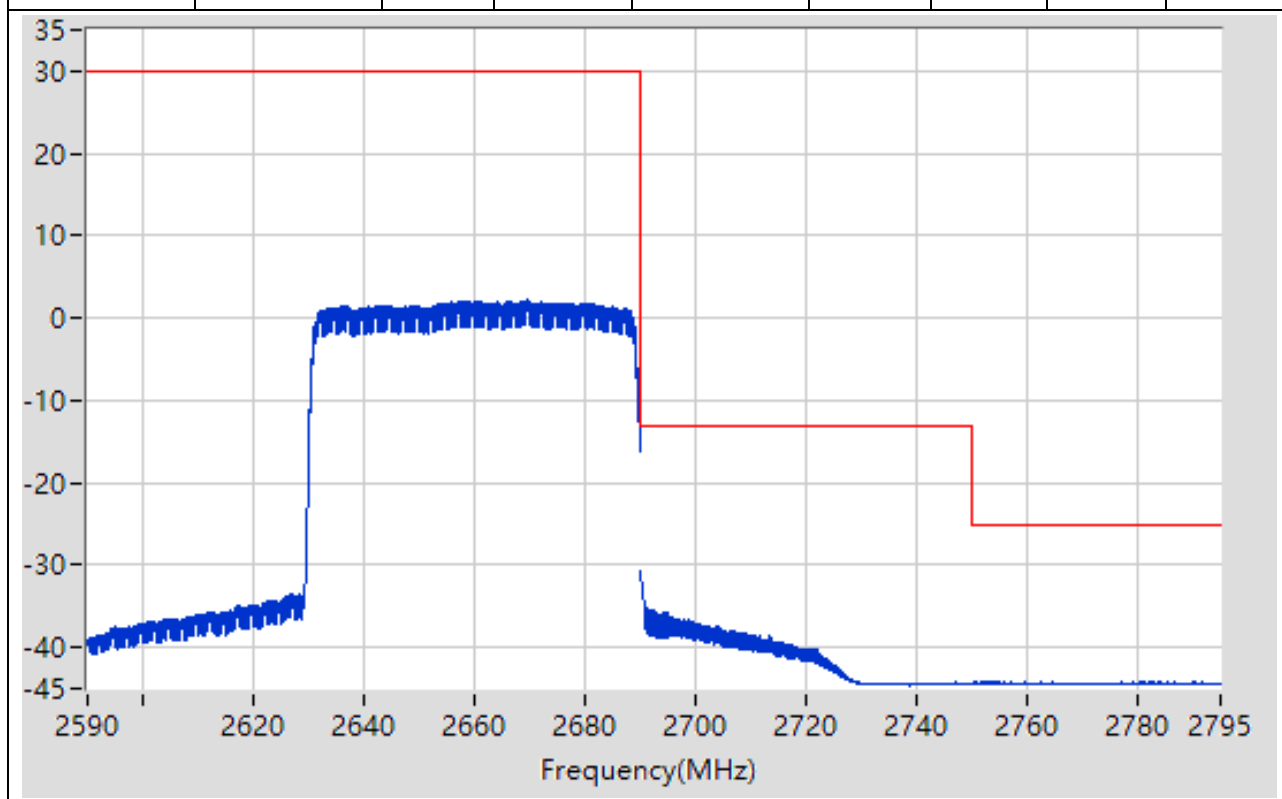
**47.15. Band Edge for SA(NTNV)(Subtest:7, Channel:531996, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2688.833        | 17.11       | 30          | Pass    | 601         |
| 2690                  | 2691                 | 0.1       | RMS      | 2690.003        | -29.73      | -13         | Pass    | 601         |
| 2691                  | 2695                 | 1         | RMS      | 2691.007        | -32.94      | -13         | Pass    | 601         |
| 2695                  | 2750                 | 1         | RMS      | 2695.642        | -44.09      | -13         | Pass    | 601         |
| 2750                  | 2795                 | 1         | RMS      | 2752.25         | -44.26      | -25         | Pass    | 601         |



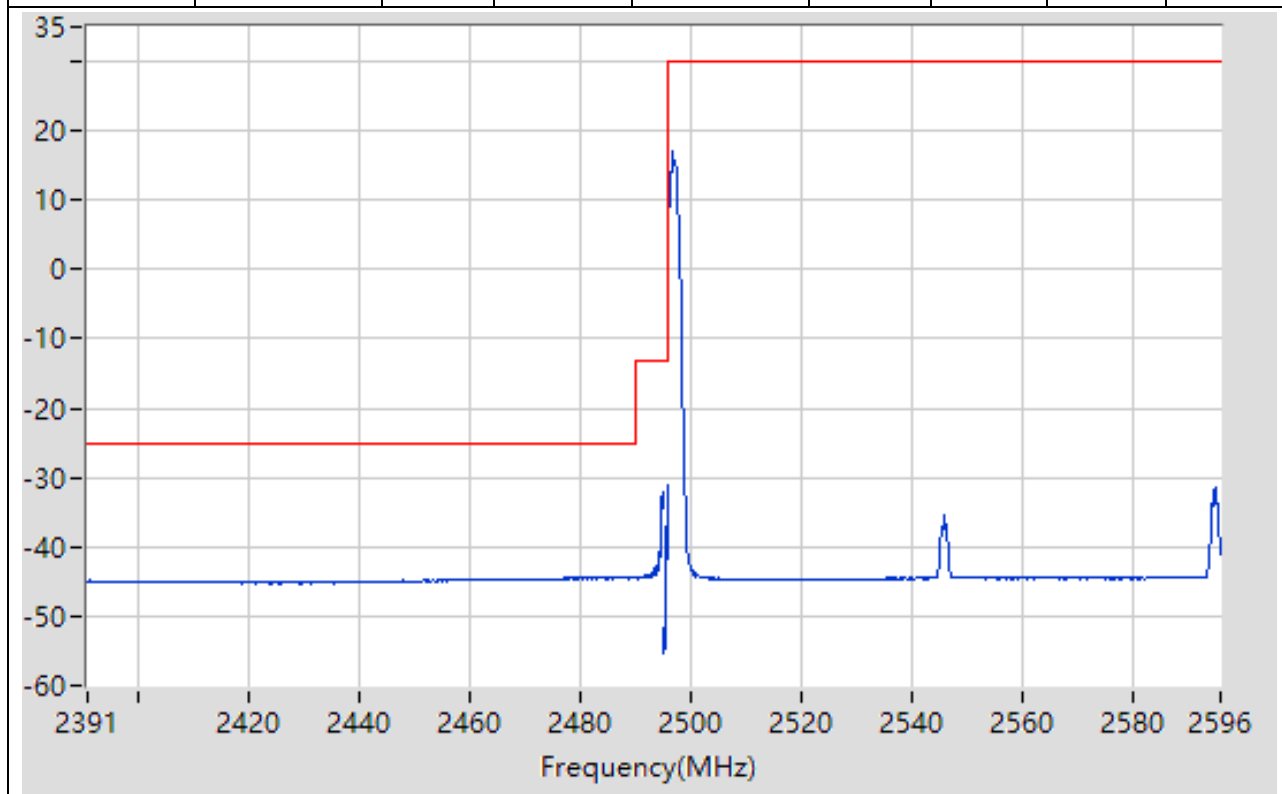
**47.16. Band Edge for SA(NTNV)(Subtest:8, Channel:531996, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2669.667        | 2.23        | 30          | Pass    | 601         |
| 2690                  | 2691                 | 1.2       | RMS      | 2690            | -30.71      | -13         | Pass    | 2           |
| 2691                  | 2695                 | 1         | RMS      | 2691.187        | -35.24      | -13         | Pass    | 601         |
| 2695                  | 2750                 | 1         | RMS      | 2695.367        | -36.29      | -13         | Pass    | 601         |
| 2750                  | 2755                 | 1         | RMS      | 2754.633        | -44.24      | -25         | Pass    | 601         |
| 2755                  | 2795                 | 1         | RMS      | 2779.267        | -44.24      | -25         | Pass    | 601         |



**47.17. Band Edge for SA(NTNV)(Subtest:1, Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

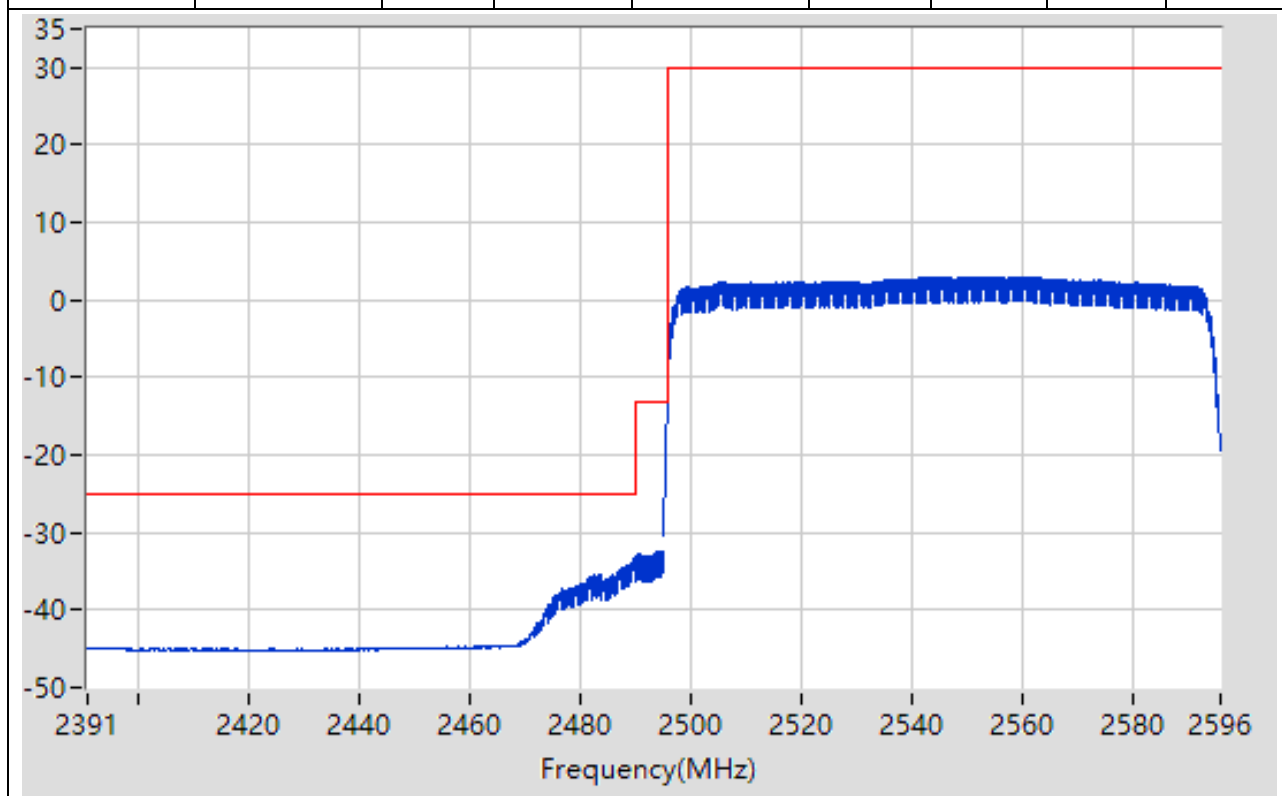
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2489.67         | -44.37      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2494.992        | -31.98      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 0.051     | RMS      | 2495.998        | -31.14      | -13         | Pass    | 601         |
| 2496                  | 2596                 | 1         | RMS      | 2497            | 17.17       | 30          | Pass    | 601         |





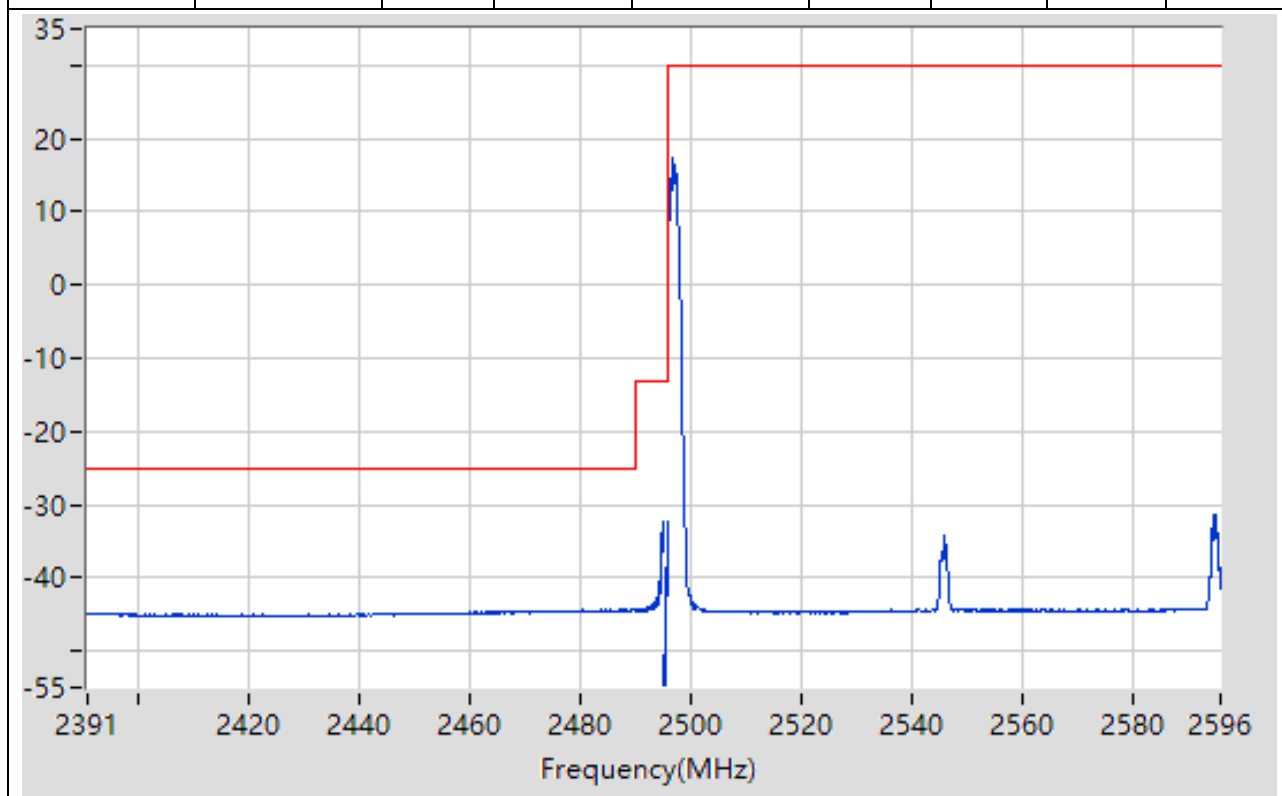
**47.18. Band Edge for SA(NTNV)(Subtest:2, Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2489.67         | -33.42      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2494.617        | -32.41      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 2         | RMS      | 2496            | -15.19      | -13         | Pass    | 2           |
| 2496                  | 2596                 | 2         | RMS      | 2559            | 2.99        | 30          | Pass    | 601         |



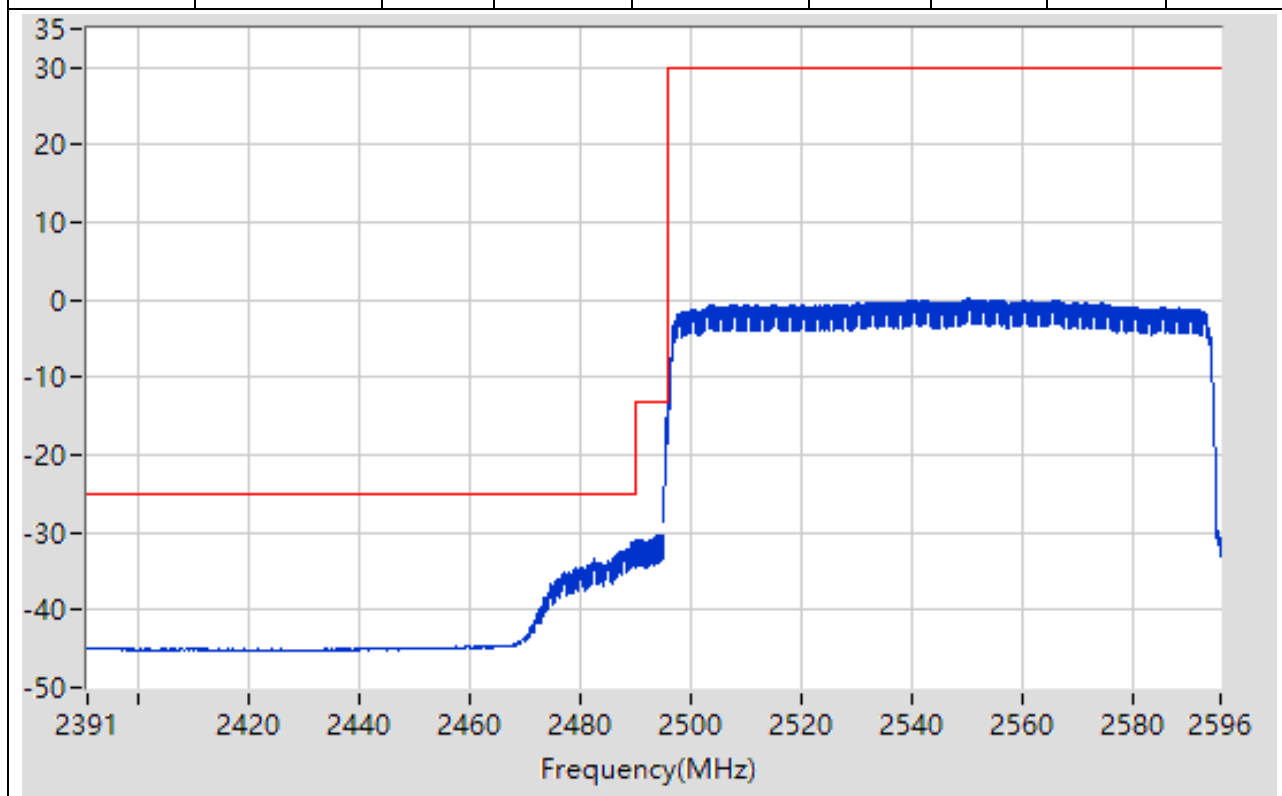
**47.19. Band Edge for SA(NTNV)(Subtest:3, Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2489.67         | -44.41      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2495            | -32.46      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 0.051     | RMS      | 2496            | -32.34      | -13         | Pass    | 601         |
| 2496                  | 2596                 | 1         | RMS      | 2497            | 17.31       | 30          | Pass    | 601         |



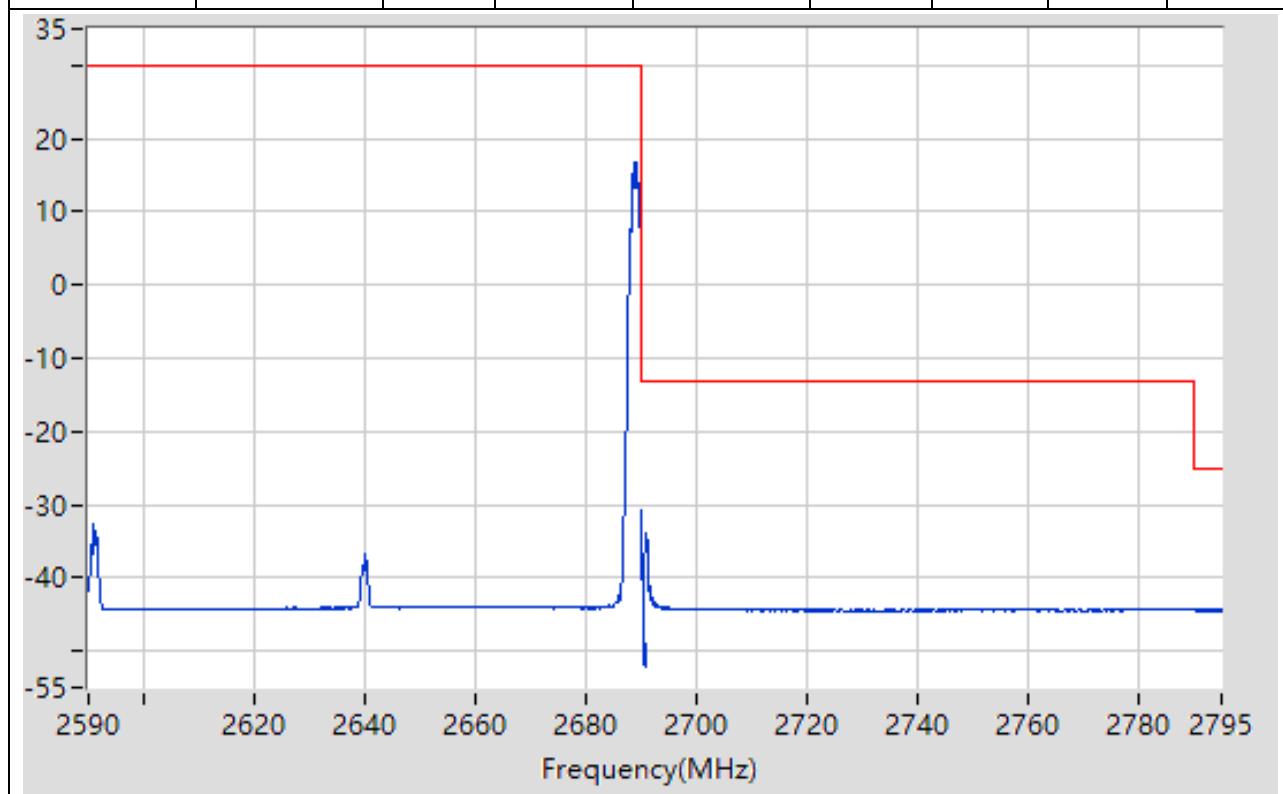
**47.20. Band Edge for SA(NTNV)(Subtest:4, Channel:509202, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2391                  | 2490                 | 1         | RMS      | 2489.67         | -31.25      | -25         | Pass    | 601         |
| 2490                  | 2495                 | 1         | RMS      | 2494.917        | -30.24      | -13         | Pass    | 601         |
| 2495                  | 2496                 | 2         | RMS      | 2496            | -15.39      | -13         | Pass    | 2           |
| 2496                  | 2596                 | 1         | RMS      | 2550.167        | 0.22        | 30          | Pass    | 601         |



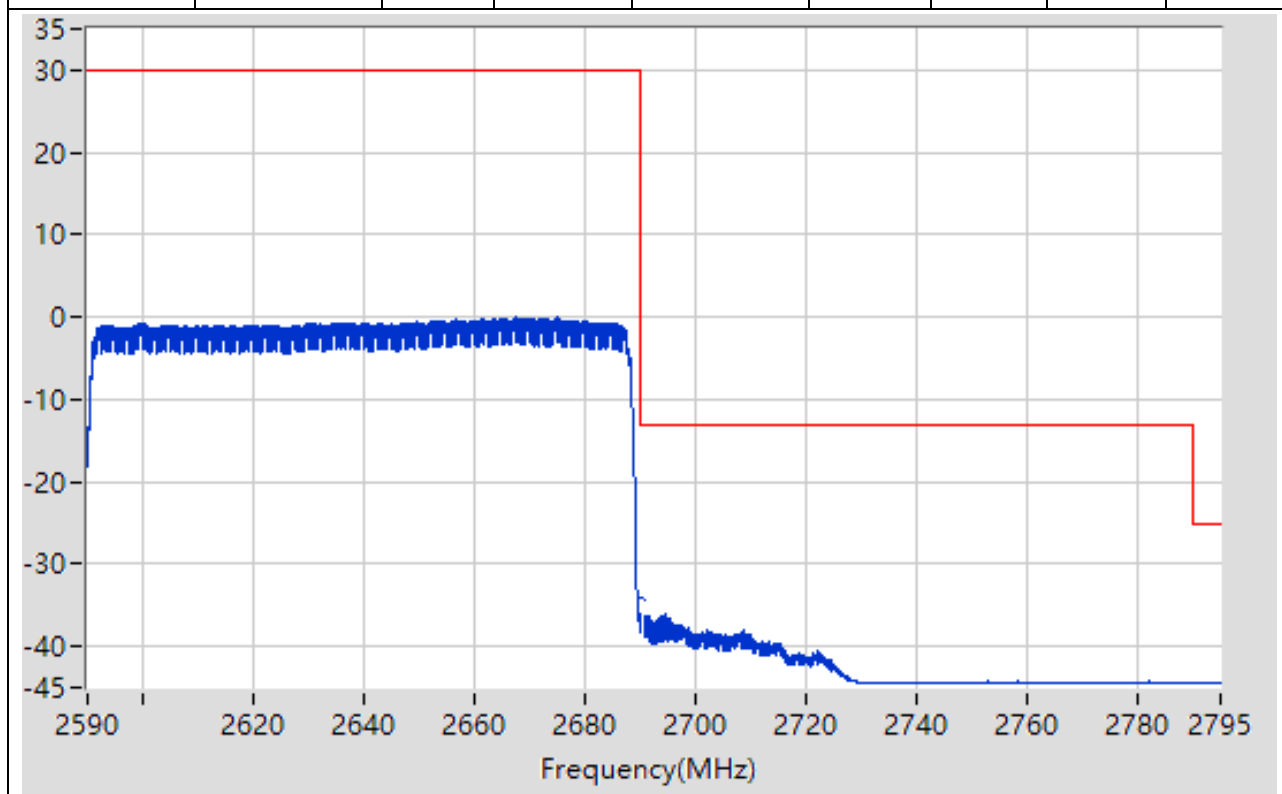
**47.21. Band Edge for SA(NTNV)(Subtest:5, Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2689            | 16.89       | 30          | Pass    | 601         |
| 2690                  | 2691                 | 0.1       | RMS      | 2690.002        | -30.65      | -13         | Pass    | 601         |
| 2691                  | 2695                 | 1         | RMS      | 2691.007        | -33.82      | -13         | Pass    | 601         |
| 2695                  | 2790                 | 1         | RMS      | 2696.108        | -44.16      | -13         | Pass    | 601         |
| 2790                  | 2795                 | 1         | RMS      | 2791.225        | -44.31      | -25         | Pass    | 601         |



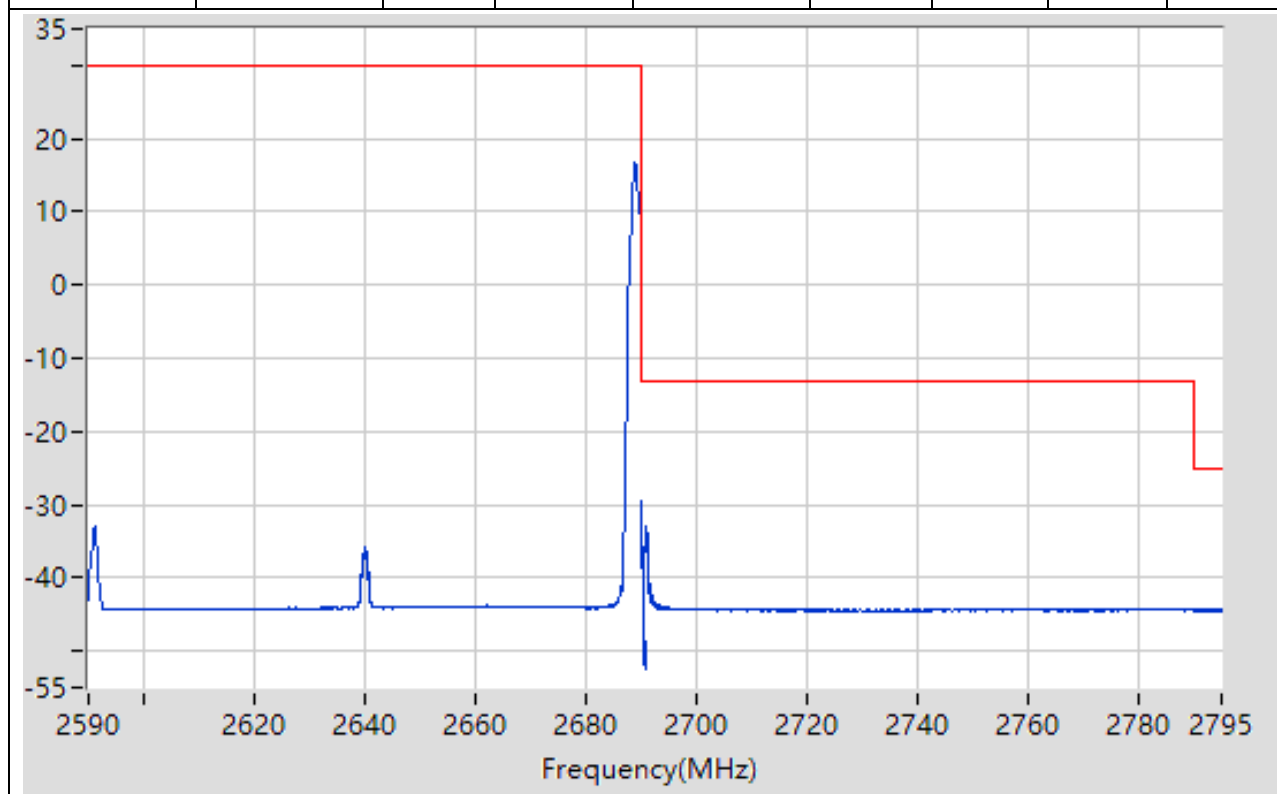
**47.22. Band Edge for SA(NTNV)(Subtest:6, Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2667.5          | -0.07       | 30          | Pass    | 601         |
| 2690                  | 2691                 | 2         | RMS      | 2690            | -34.09      | -13         | Pass    | 2           |
| 2691                  | 2695                 | 1         | RMS      | 2694.42         | -36.15      | -13         | Pass    | 601         |
| 2695                  | 2790                 | 1         | RMS      | 2695.475        | -36.74      | -13         | Pass    | 601         |
| 2790                  | 2795                 | 1         | RMS      | 2794.025        | -44.31      | -25         | Pass    | 601         |



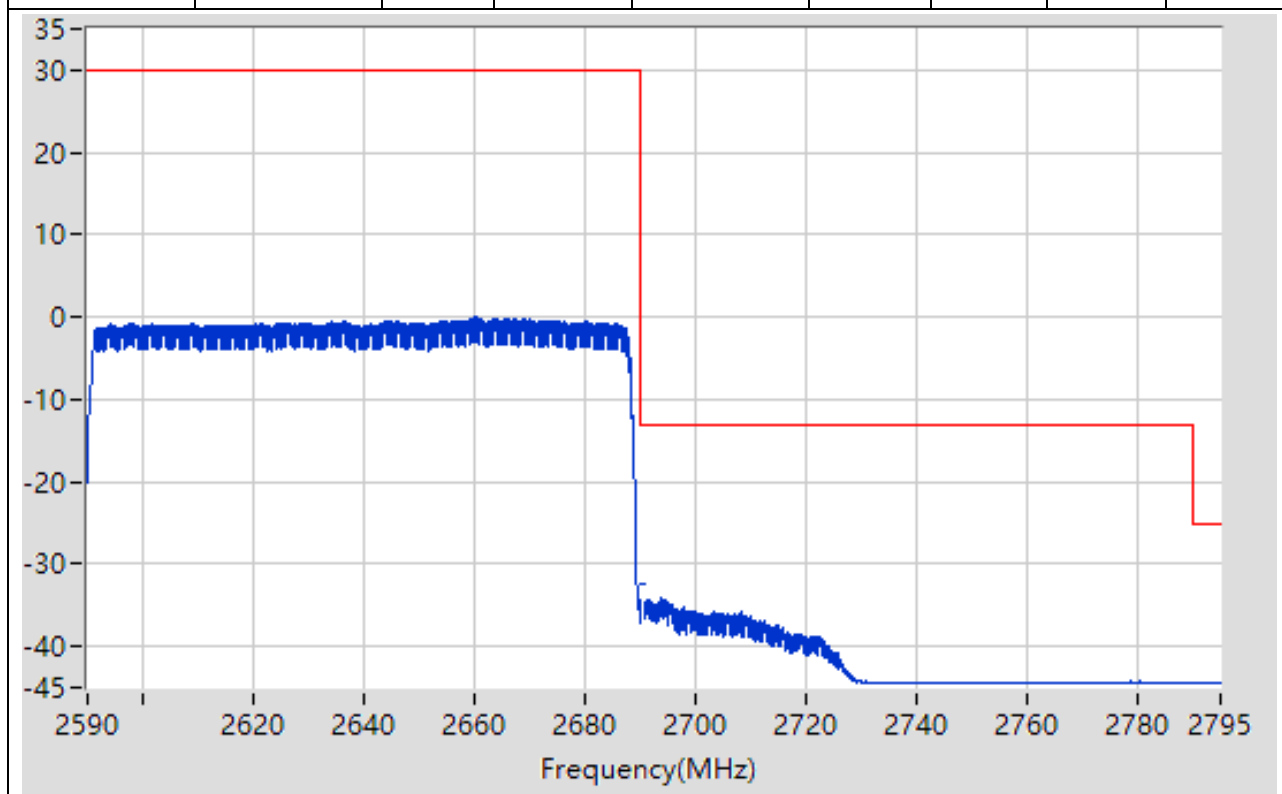
**47.23. Band Edge for SA(NTNV)(Subtest:7, Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2688.833        | 16.9        | 30          | Pass    | 601         |
| 2690                  | 2691                 | 0.1       | RMS      | 2690.002        | -29.58      | -13         | Pass    | 601         |
| 2691                  | 2695                 | 1         | RMS      | 2691.007        | -32.89      | -13         | Pass    | 601         |
| 2695                  | 2790                 | 1         | RMS      | 2695            | -44.14      | -13         | Pass    | 601         |
| 2790                  | 2795                 | 1         | RMS      | 2791.233        | -44.29      | -25         | Pass    | 601         |



**47.24. Band Edge for SA(NTNV)(Subtest:8, Channel:528000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

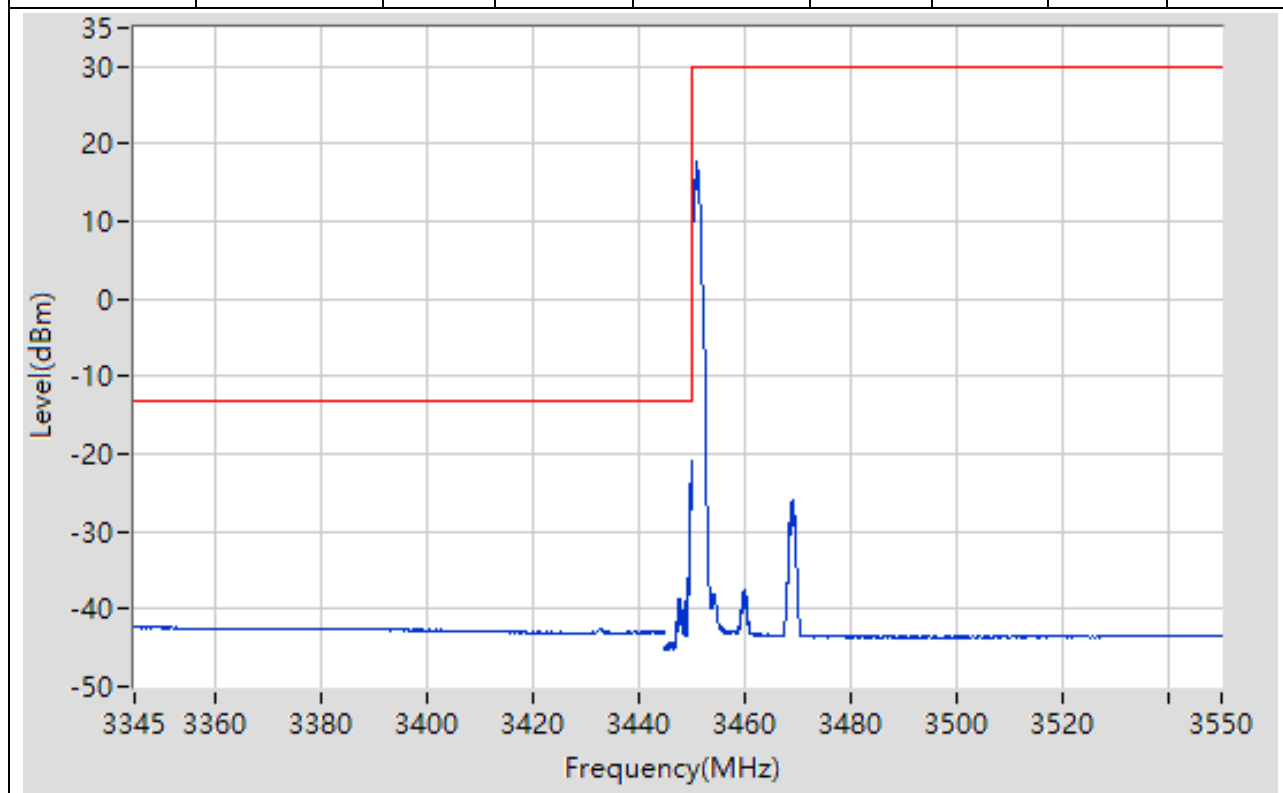
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 2590                  | 2690                 | 1         | RMS      | 2660.333        | 0.03        | 30          | Pass    | 601         |
| 2690                  | 2691                 | 2         | RMS      | 2690            | -32.46      | -13         | Pass    | 2           |
| 2691                  | 2695                 | 1         | RMS      | 2693.867        | -34.14      | -13         | Pass    | 601         |
| 2695                  | 2790                 | 1         | RMS      | 2695            | -34.81      | -13         | Pass    | 601         |
| 2790                  | 2795                 | 1         | RMS      | 2792.783        | -44.3       | -25         | Pass    | 601         |



## 48. n77 30kHz(3450-3550MHz)\_MIMO-ANT1

48.1. Band Edge for SA(NTNV)(Subtest:1, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)

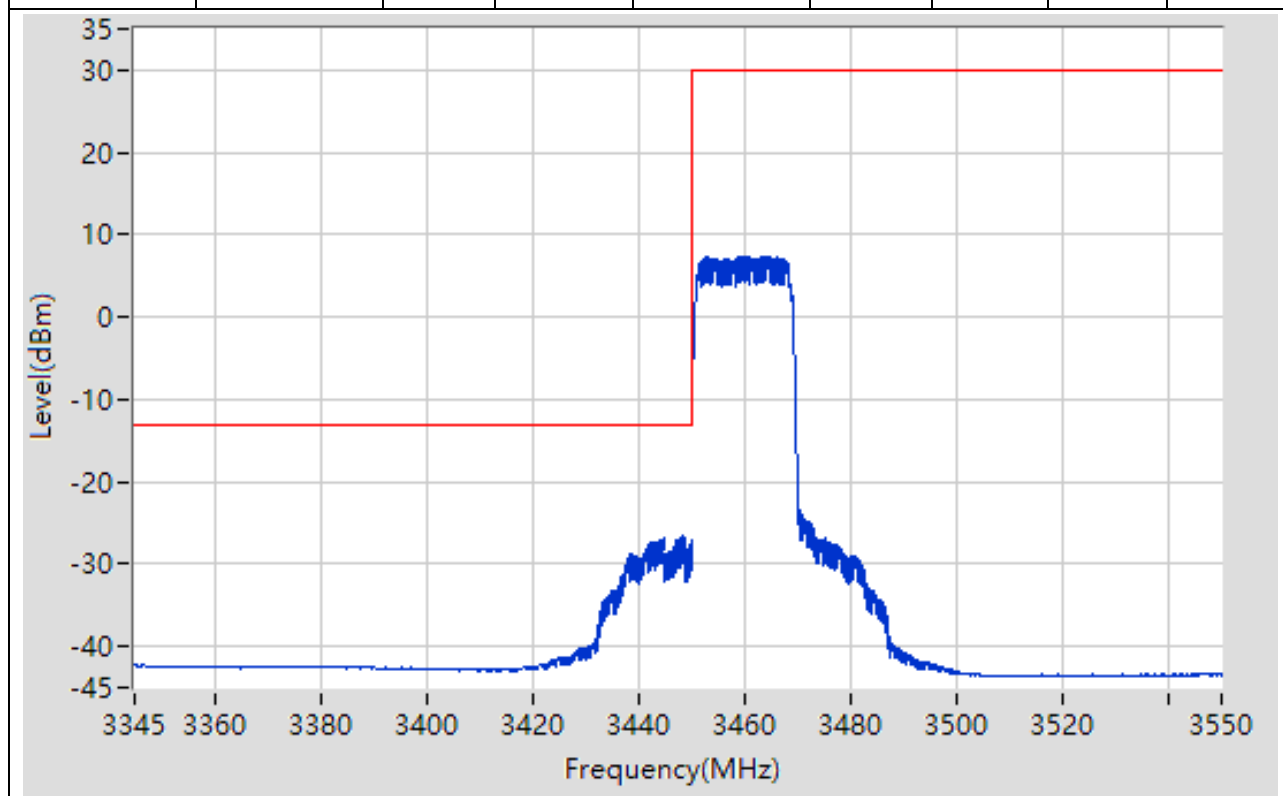
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3349.333        | -42.28      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3447.787        | -38.58      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3449.995        | -21.01      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451            | 17.67       | 30          | Pass    | 601         |





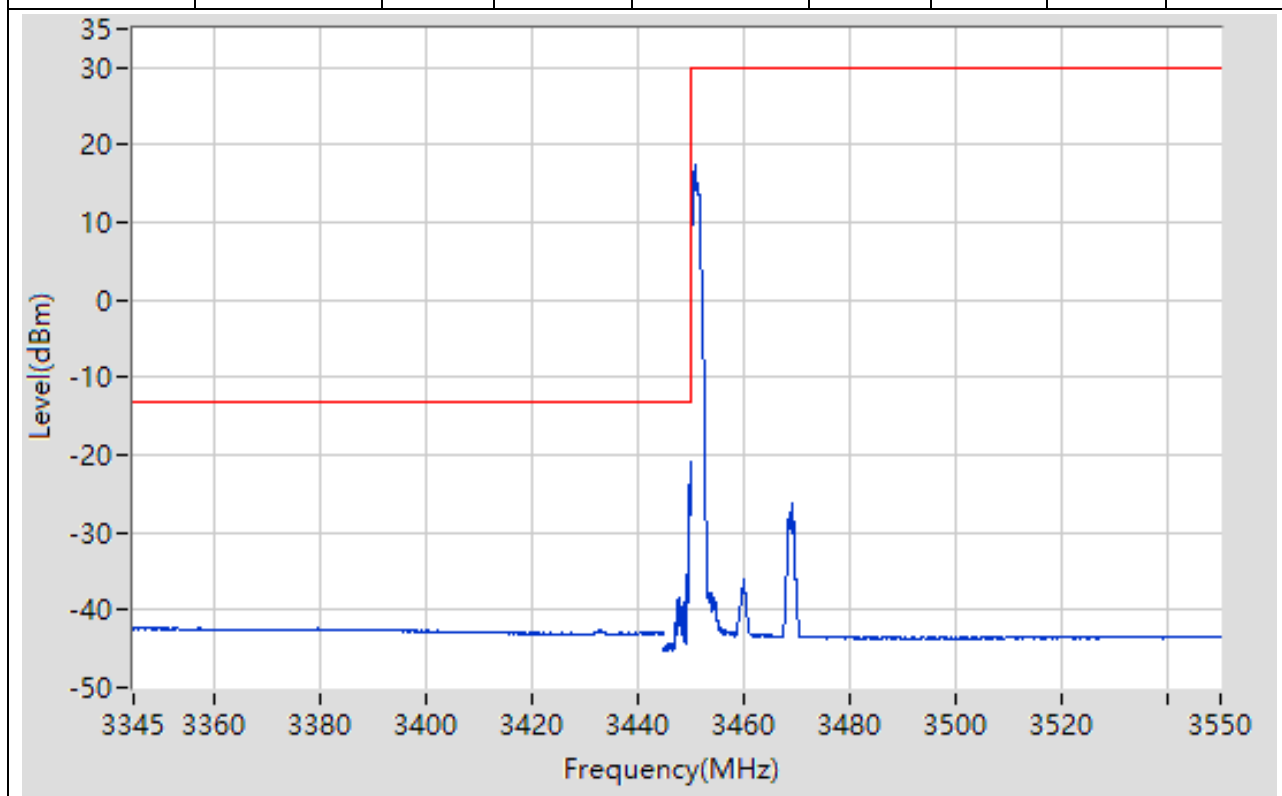
**48.2. Band Edge for SA(NTNV)(Subtest:2, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3445            | -26.95      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.4          | -26.66      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3449.983        | -27         | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3459.833        | 7.43        | 30          | Pass    | 601         |



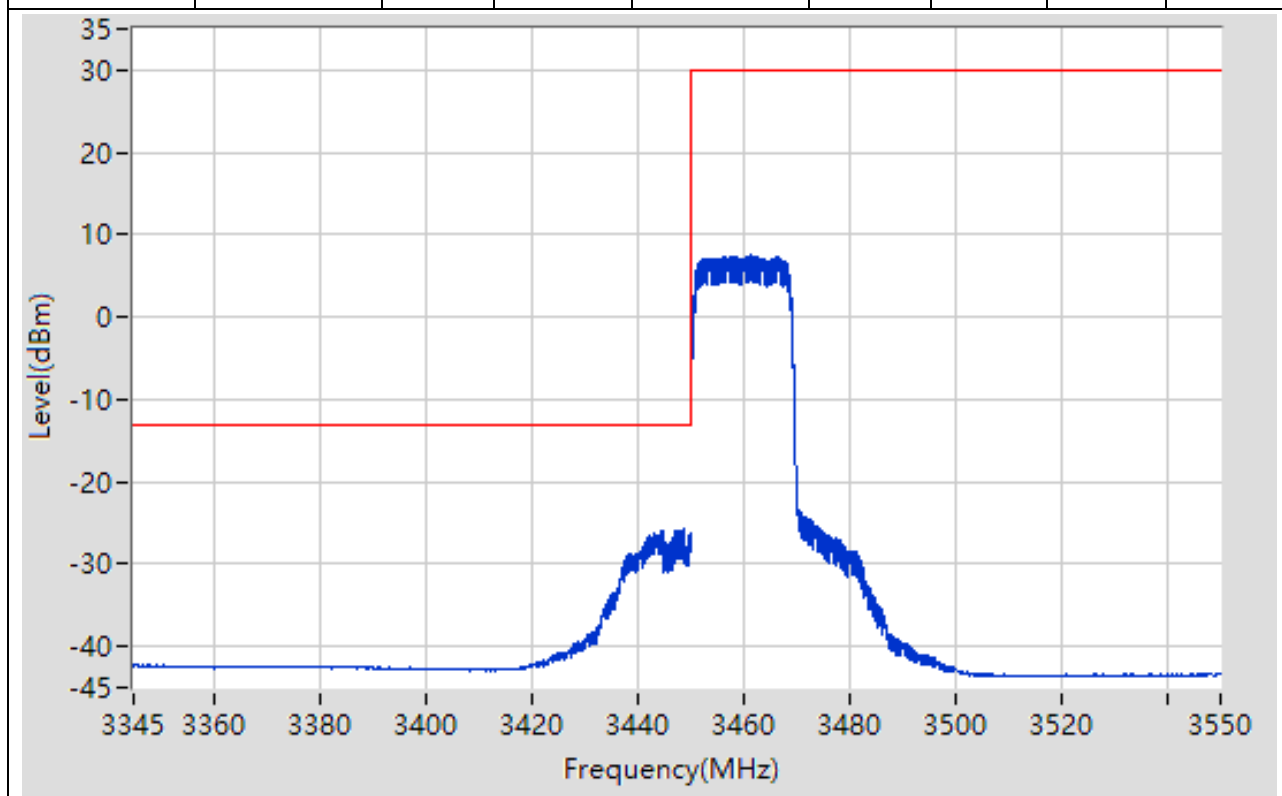
**48.3. Band Edge for SA(NTNV)(Subtest:3, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3346.667        | -42.31      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3447.78         | -38.52      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3449.997        | -20.87      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451            | 17.59       | 30          | Pass    | 601         |



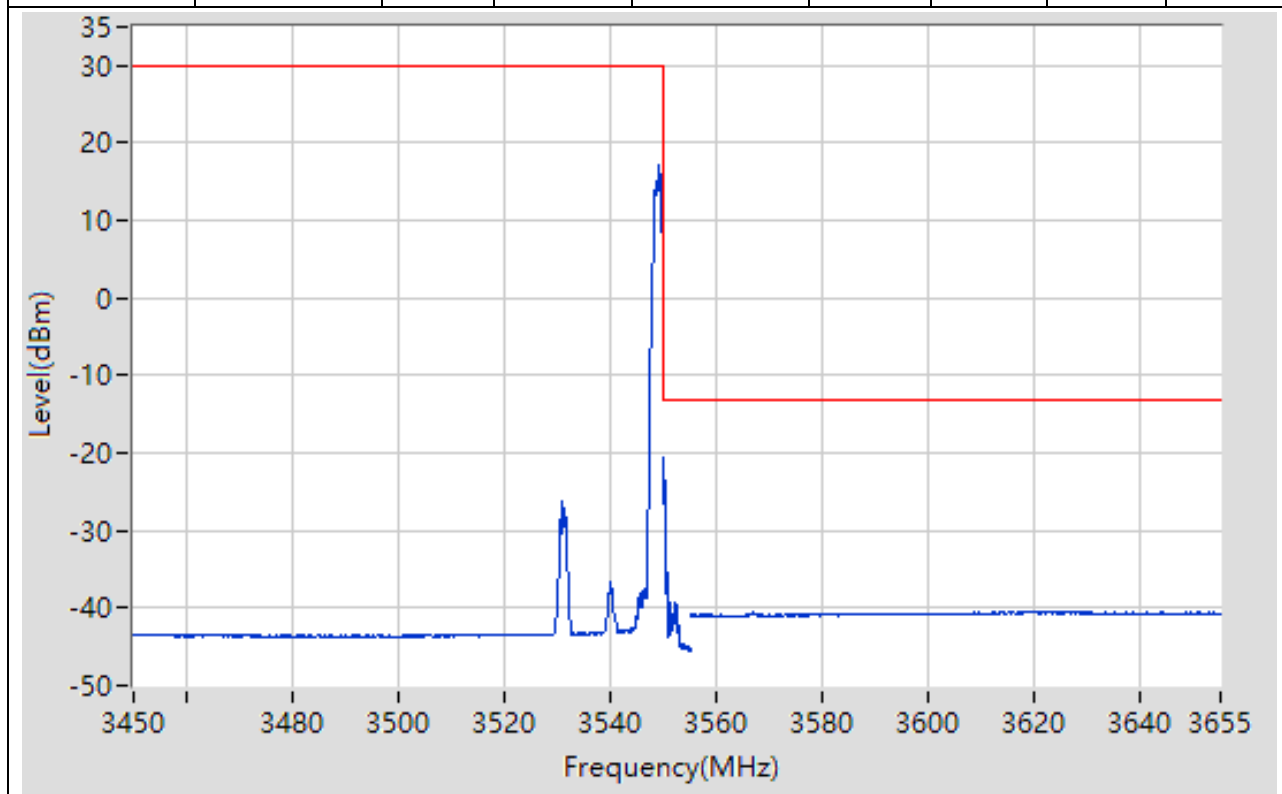
**48.4. Band Edge for SA(NTNV)(Subtest:4, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3445            | -25.89      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.92         | -25.79      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3450            | -26.38      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3461.5          | 7.49        | 30          | Pass    | 601         |



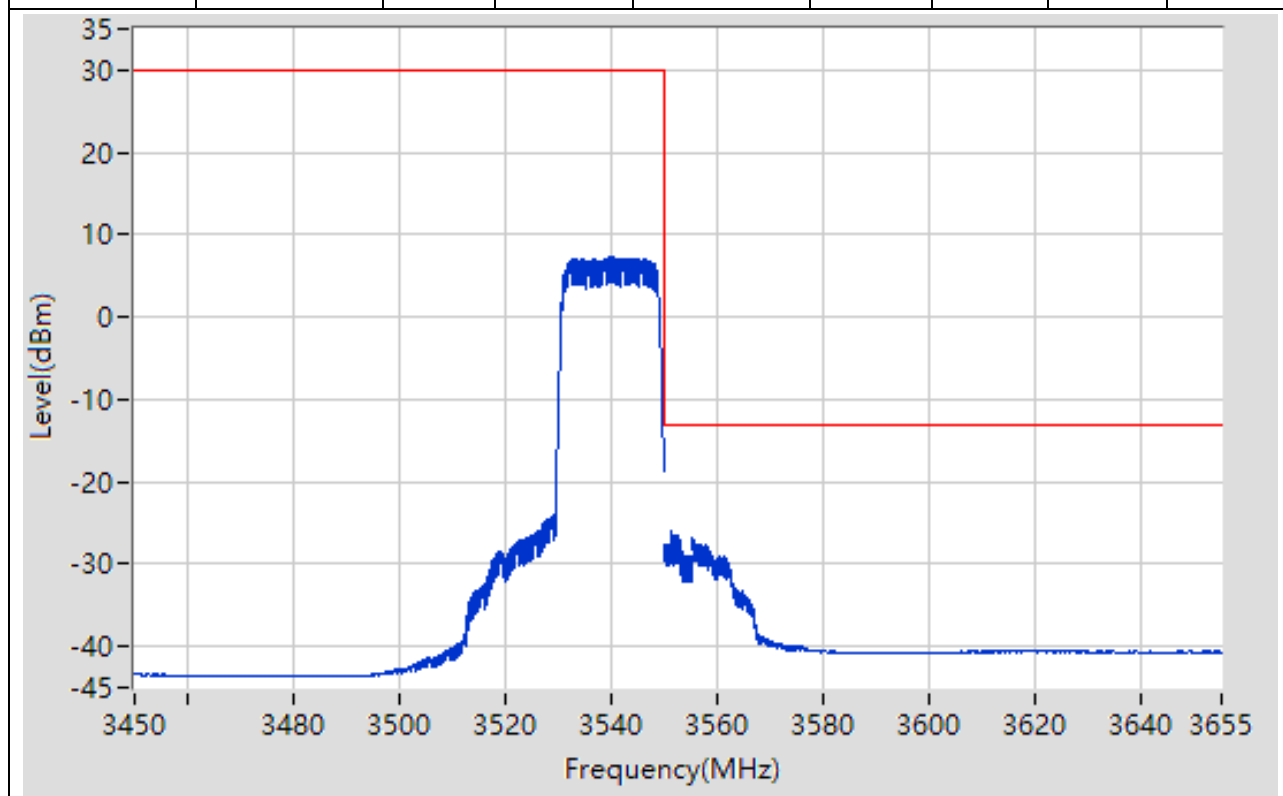
**48.5. Band Edge for SA(NTNV)(Subtest:5, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 17.3        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.39      | RMS      | 3550            | -20.65      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.02         | -39.25      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3618.833        | -40.53      | -13         | Pass    | 601         |



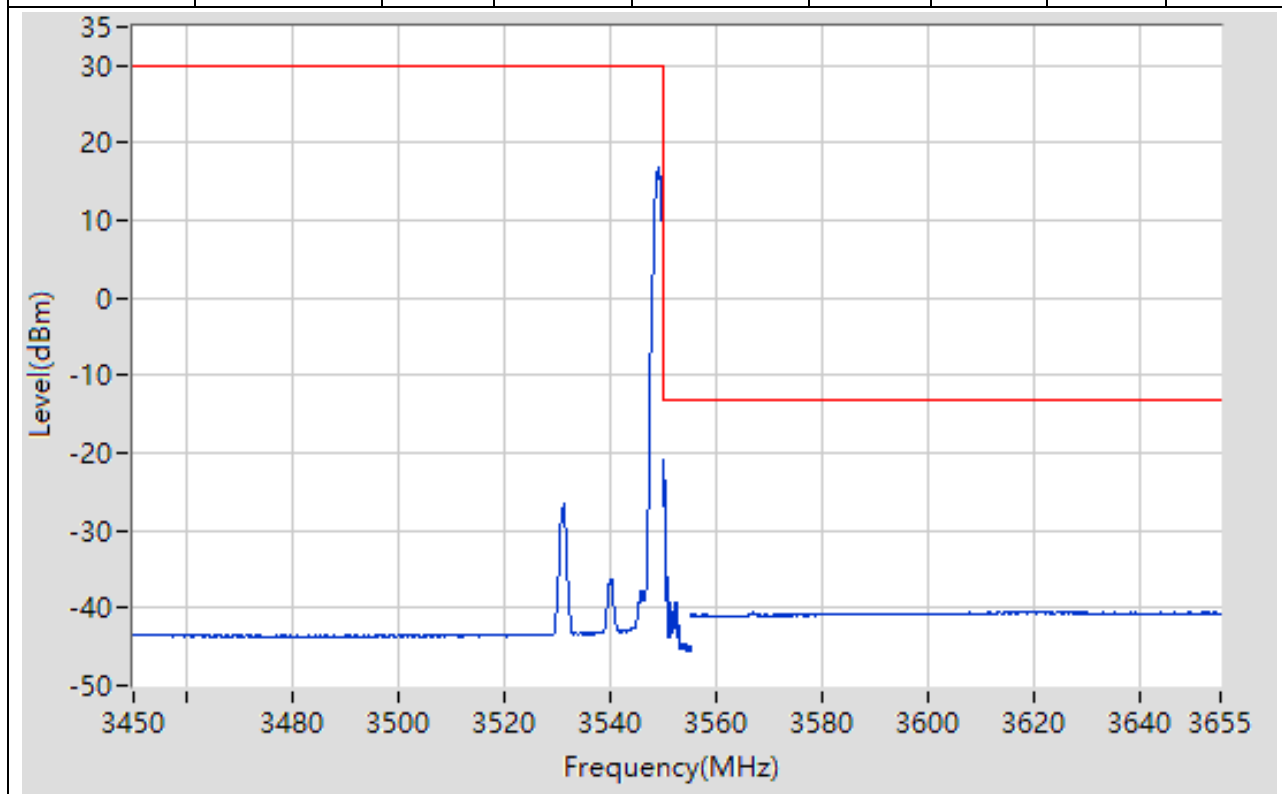
**48.6. Band Edge for SA(NTNV)(Subtest:6, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3539.667        | 7.29        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.39      | RMS      | 3550.013        | -27.59      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.02         | -26         | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555            | -26.95      | -13         | Pass    | 601         |



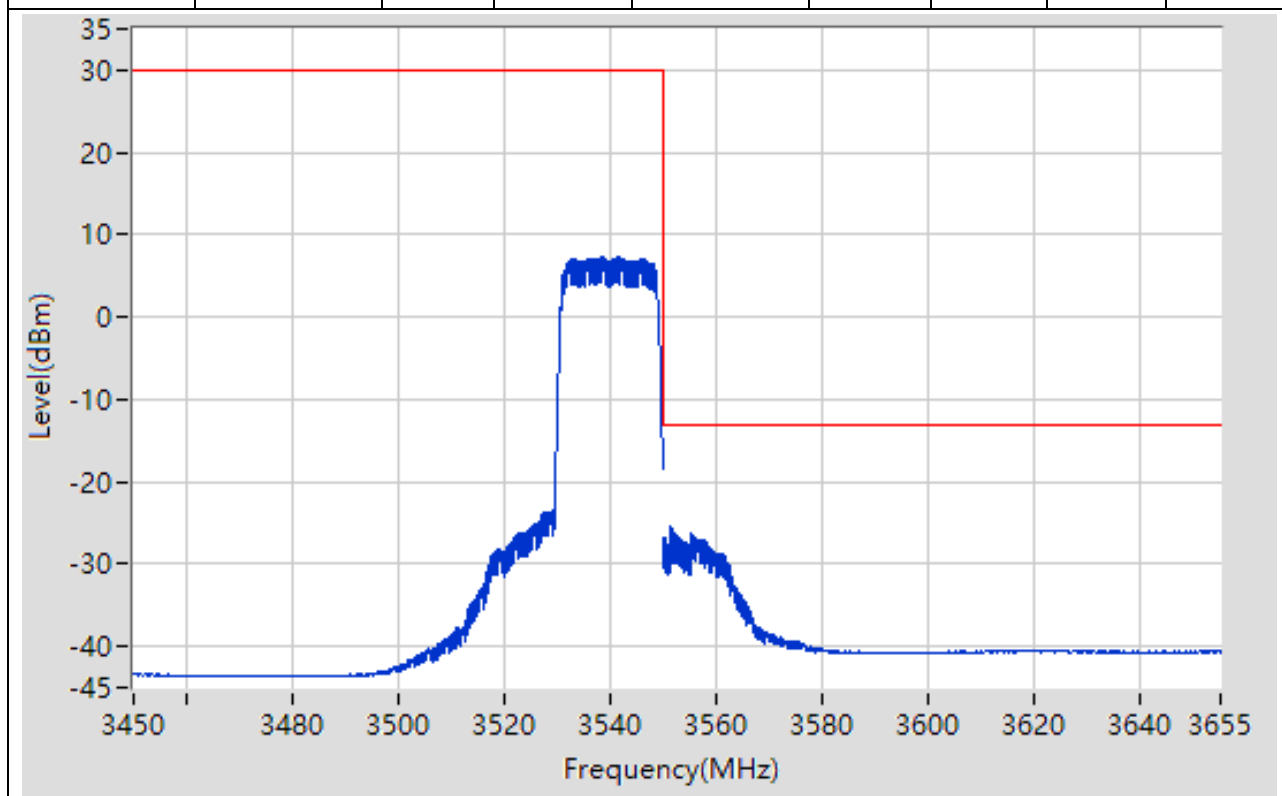
**48.7. Band Edge for SA(NTNV)(Subtest:7, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549.167        | 17          | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.39      | RMS      | 3550.002        | -21         | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3552.193        | -39.25      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3620.167        | -40.53      | -13         | Pass    | 601         |



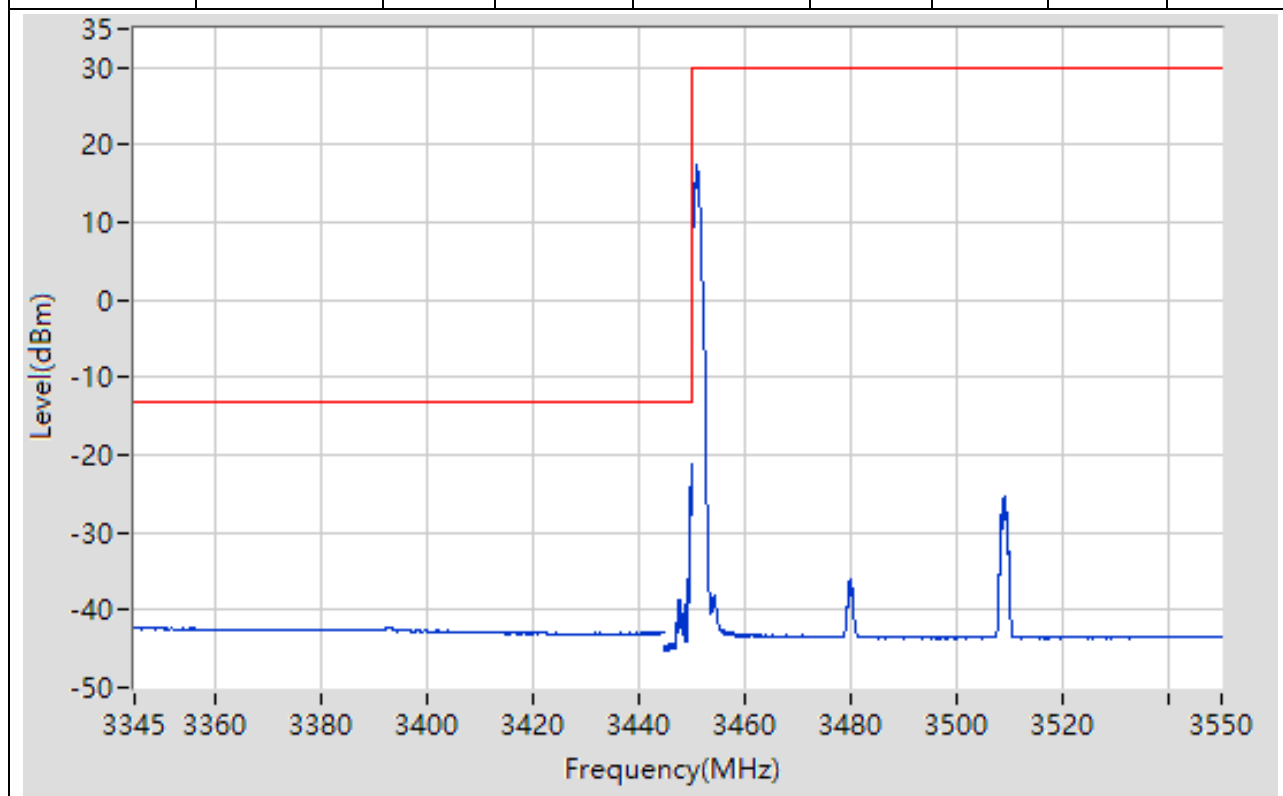
**48.8. Band Edge for SA(NTNV)(Subtest:8, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3541.167        | 7.3         | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.39      | RMS      | 3550.193        | -26.86      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.22         | -25.55      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555            | -26.21      | -13         | Pass    | 601         |



**48.9. Band Edge for SA(NTNV)(Subtest:1, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

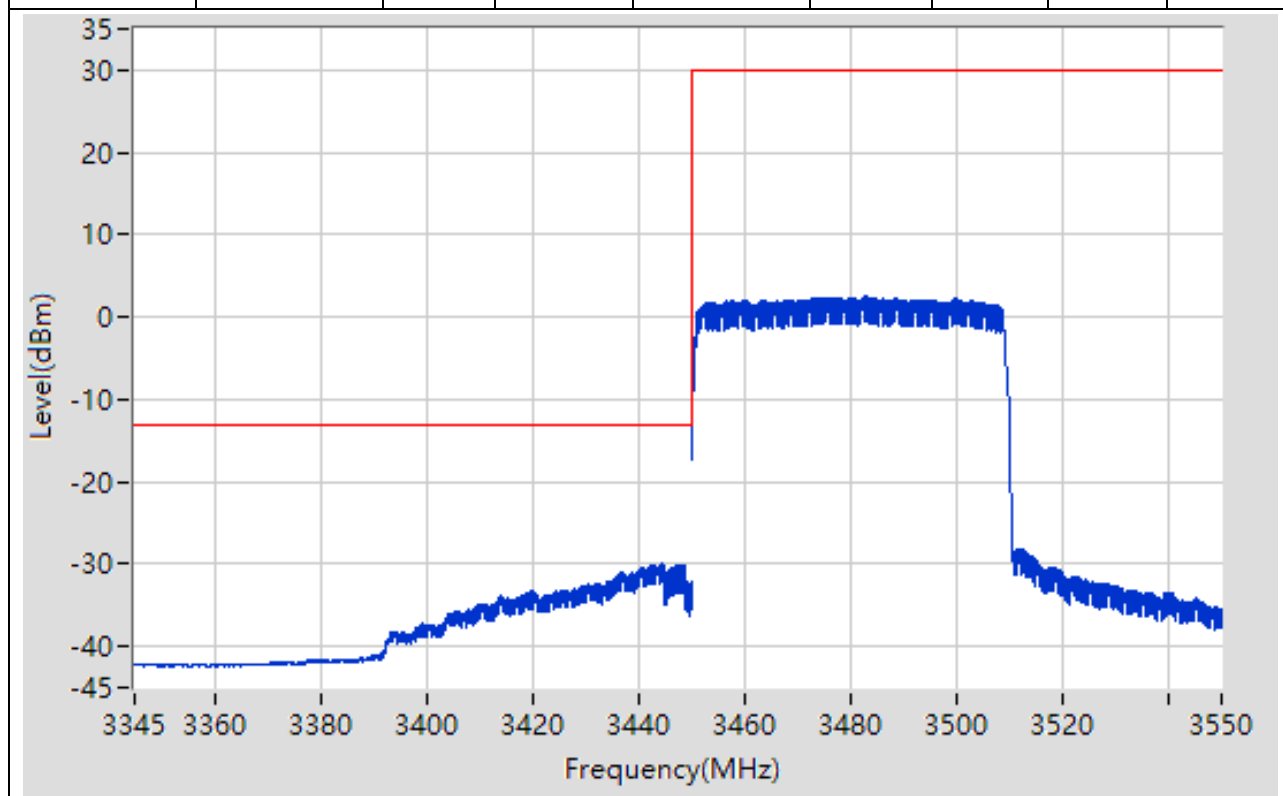
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3392.833        | -42.12      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3447.787        | -38.72      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3449.997        | -21.17      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451            | 17.58       | 30          | Pass    | 601         |





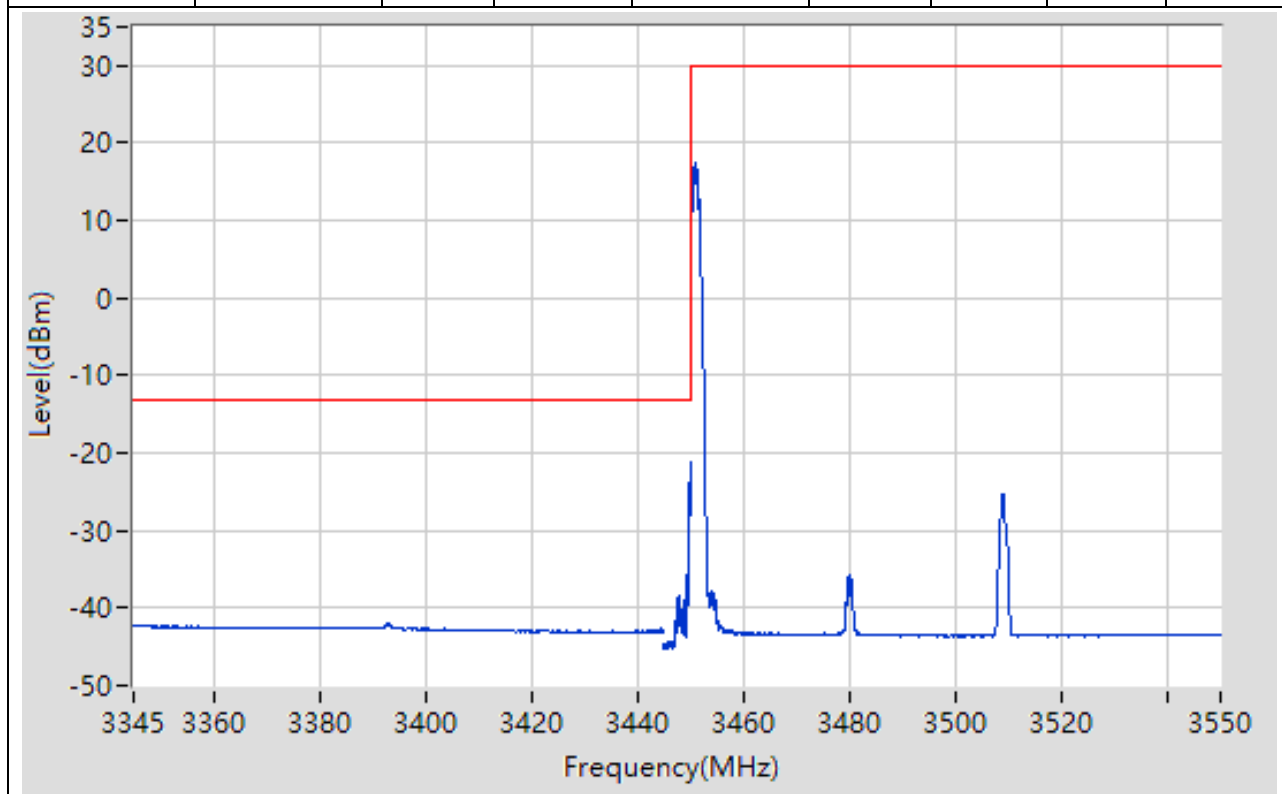
**48.10. Band Edge for SA(NTNV)(Subtest:2, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3444.667        | -30.02      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.693        | -30.14      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3449.998        | -32.04      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3482.667        | 2.49        | 30          | Pass    | 601         |



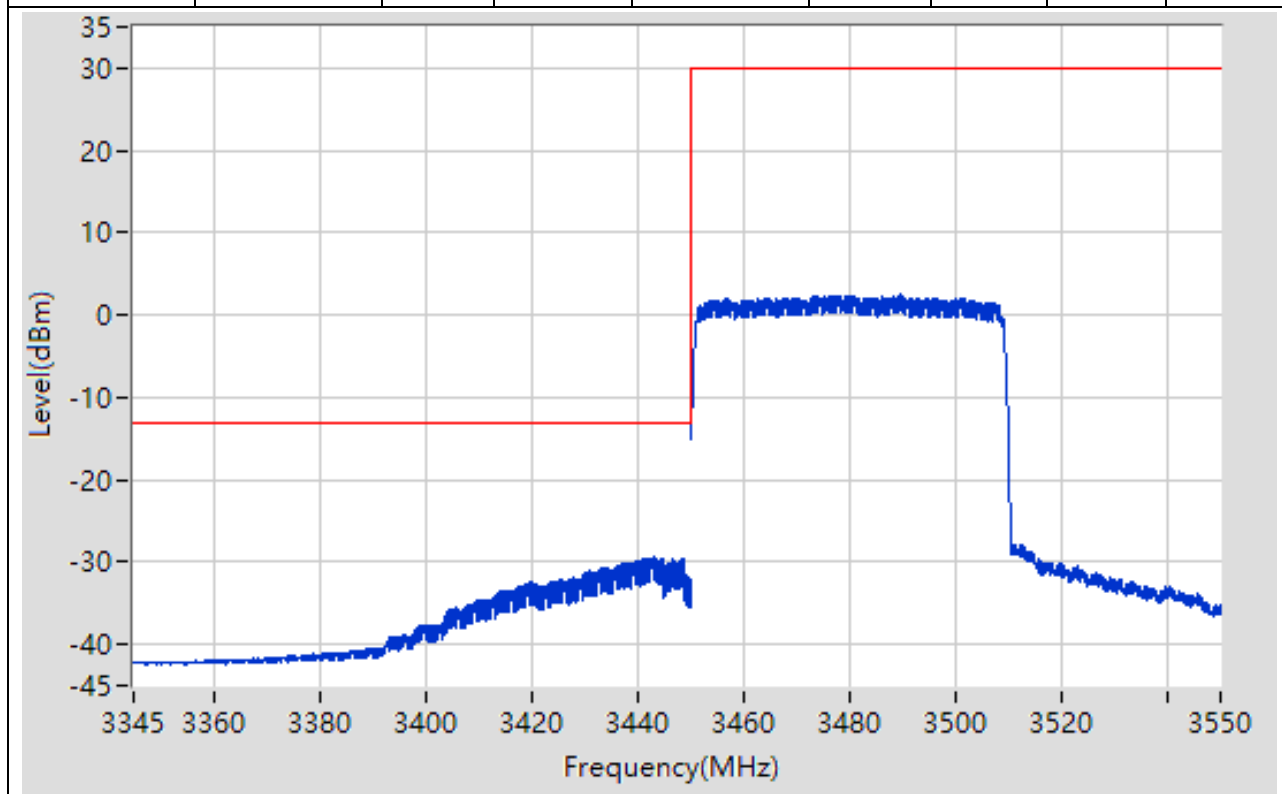
**48.11. Band Edge for SA(NTNV)(Subtest:3, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3393.167        | -41.97      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3447.847        | -38.55      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3450            | -21.12      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.167        | 17.37       | 30          | Pass    | 601         |



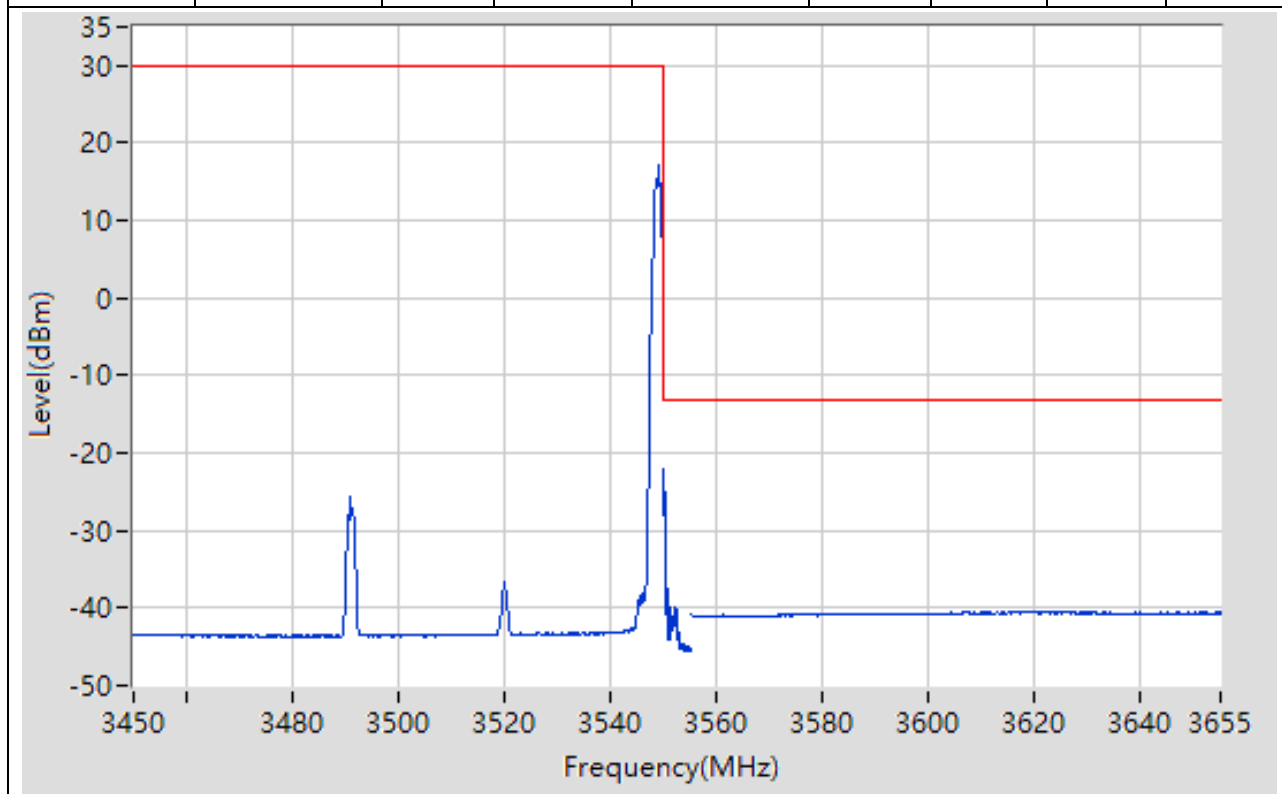
**48.12. Band Edge for SA(NTNV)(Subtest:4, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3443.167        | -29.4       | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.973        | -29.55      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3449.003        | -31.57      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3489.5          | 2.43        | 30          | Pass    | 601         |



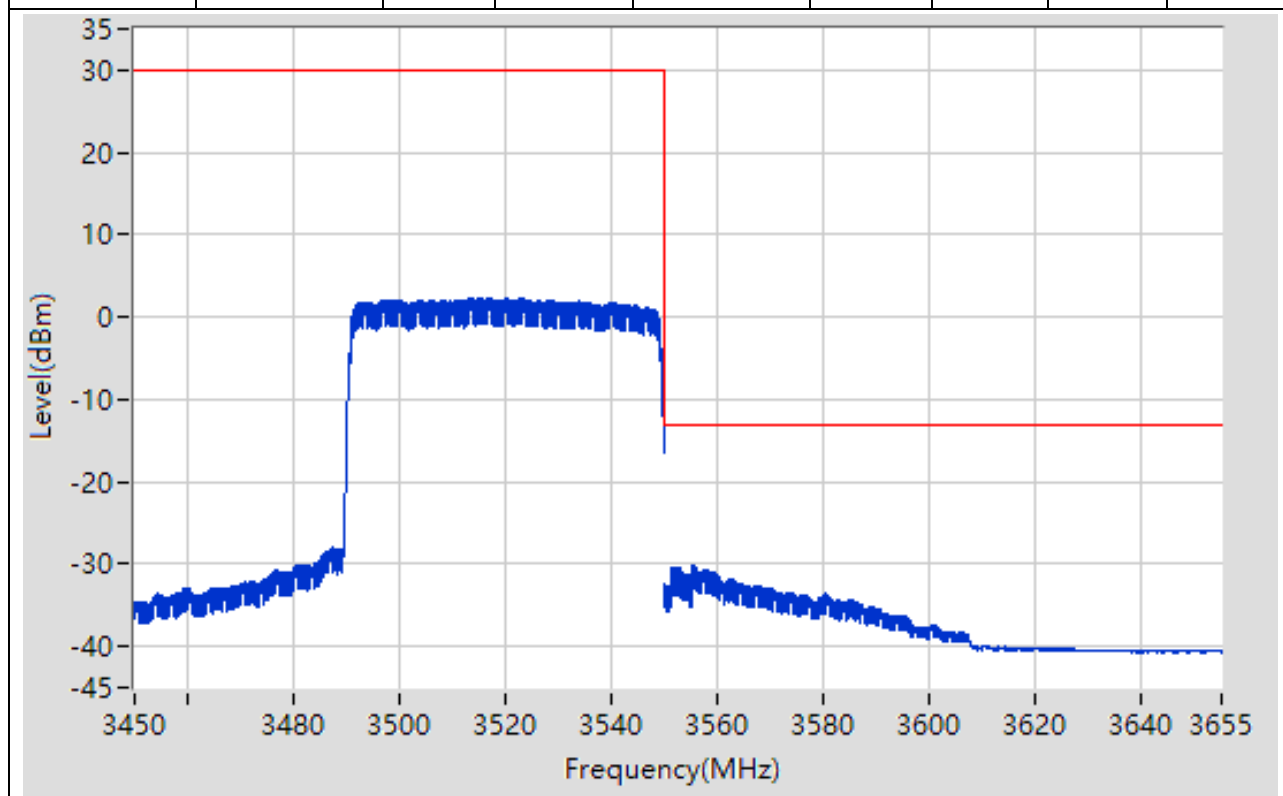
**48.13. Band Edge for SA(NTNV)(Subtest:5, Channel:634664, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 17.06       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.39      | RMS      | 3550.002        | -22.08      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3552.153        | -39.8       | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3606.667        | -40.38      | -13         | Pass    | 601         |



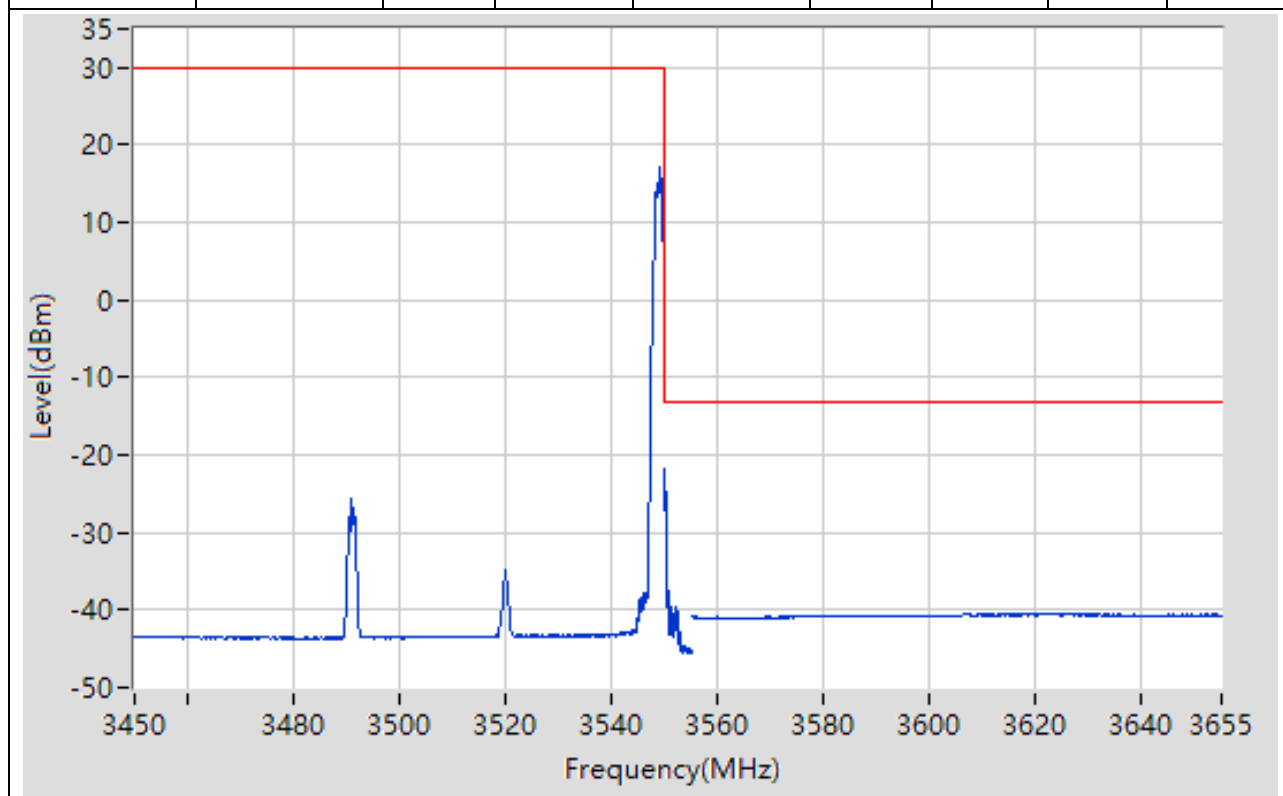
**48.14. Band Edge for SA(NTNV)(Subtest:6, Channel:634664, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3522.833        | 2.26        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.39      | RMS      | 3550.003        | -32.35      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3552.433        | -30.47      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.167        | -30.1       | -13         | Pass    | 601         |



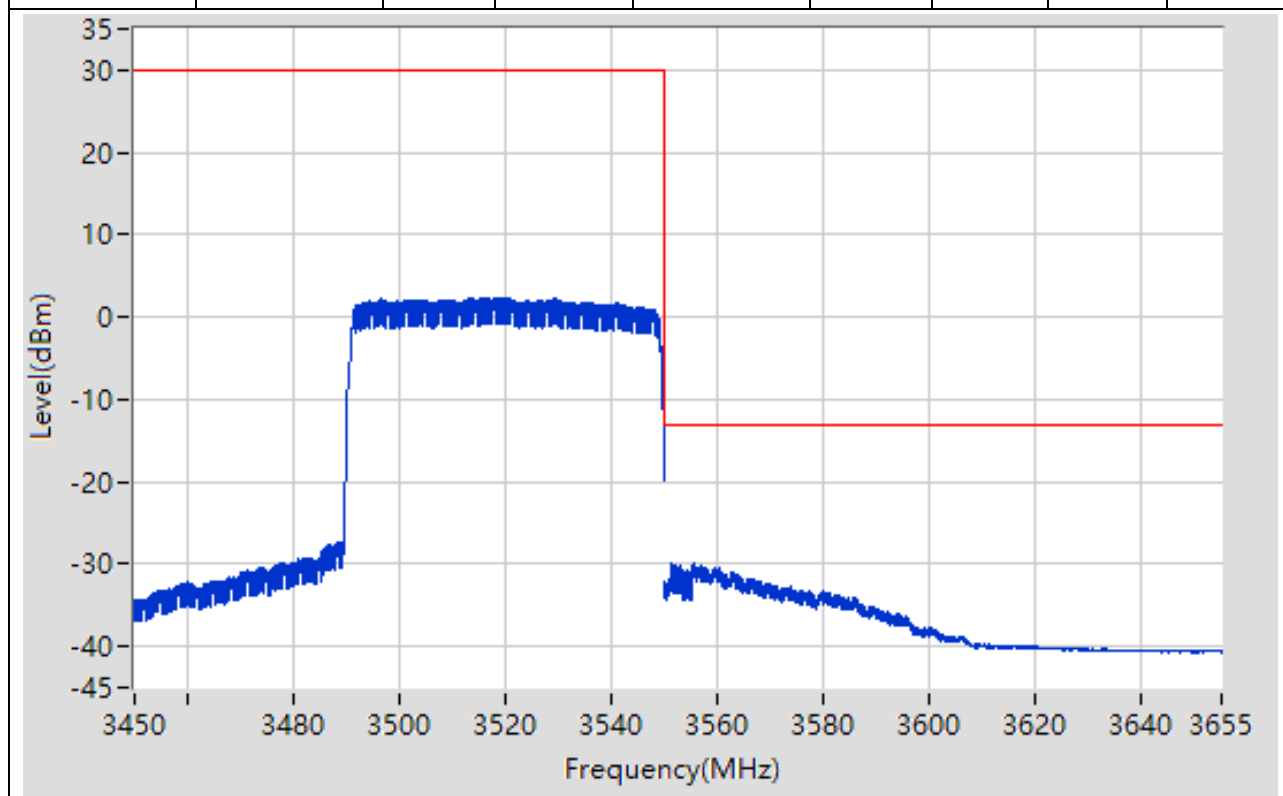
**48.15. Band Edge for SA(NTNV)(Subtest:7, Channel:634664, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 17.03       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.39      | RMS      | 3550            | -21.88      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.027        | -39.52      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3607.167        | -40.37      | -13         | Pass    | 601         |



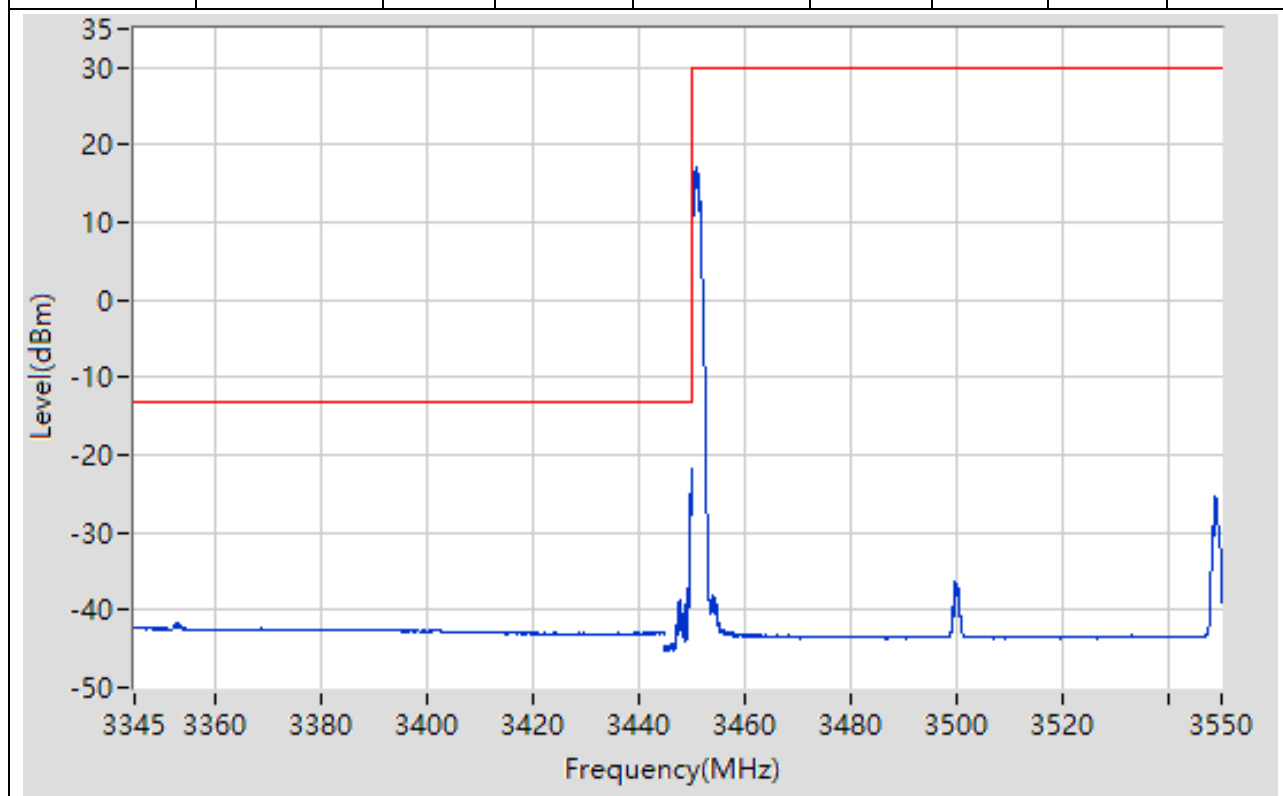
**48.16. Band Edge for SA(NTNV)(Subtest:8, Channel:634664, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3515.667        | 2.27        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.39      | RMS      | 3550.965        | -31.79      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.047        | -30         | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.333        | -29.86      | -13         | Pass    | 601         |



**48.17. Band Edge for SA(NTNV)(Subtest:1, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

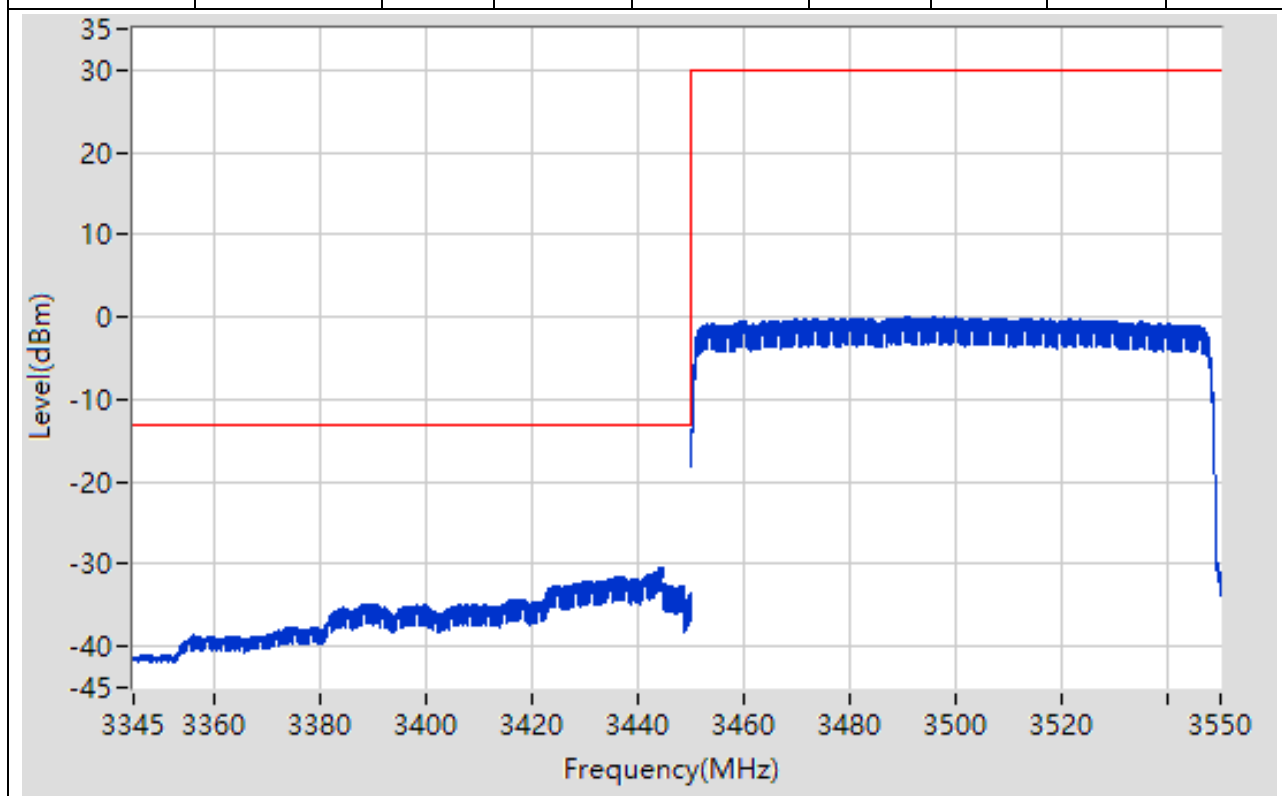
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3353            | -41.79      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3447.767        | -38.71      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3449.997        | -21.85      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3450.833        | 17.19       | 30          | Pass    | 601         |





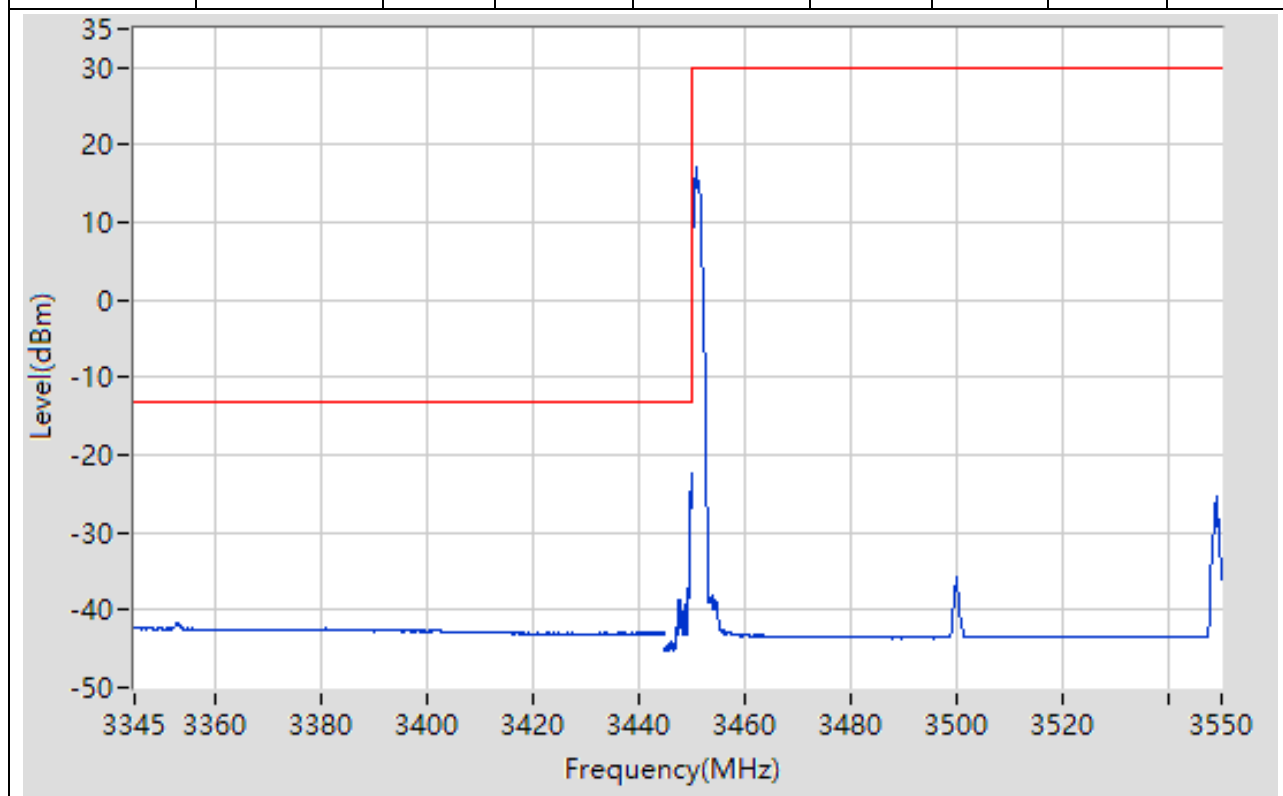
**48.18. Band Edge for SA(NTNV)(Subtest:2, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3445            | -30.4       | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3445.013        | -32.39      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3449.987        | -33.62      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3491            | 0.04        | 30          | Pass    | 601         |



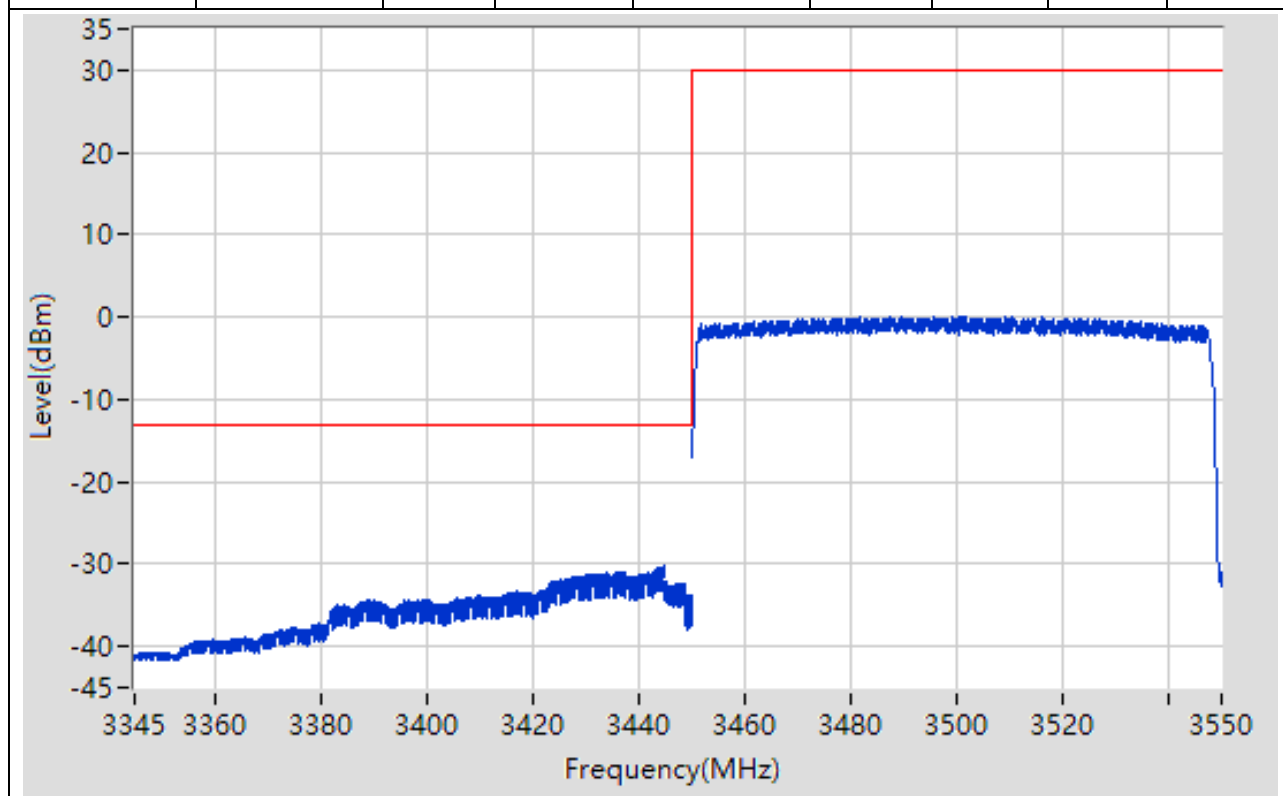
**48.19. Band Edge for SA(NTNV)(Subtest:3, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3352.833        | -41.7       | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3447.807        | -38.76      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3449.99         | -22.28      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.167        | 17.2        | 30          | Pass    | 601         |



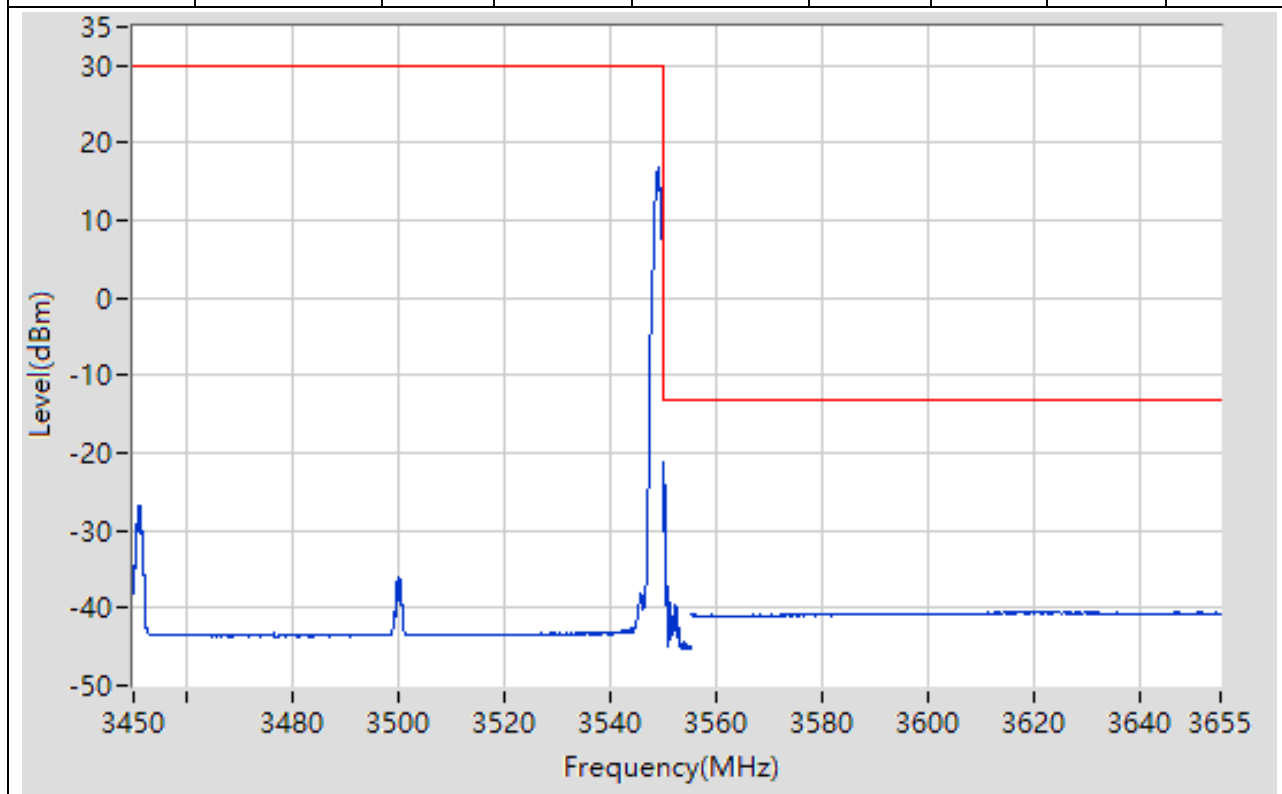
**48.20. Band Edge for SA(NTNV)(Subtest:4, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3445            | -30.31      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3445.313        | -32.18      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.39      | RMS      | 3449.965        | -33.81      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3500.5          | 0.01        | 30          | Pass    | 601         |



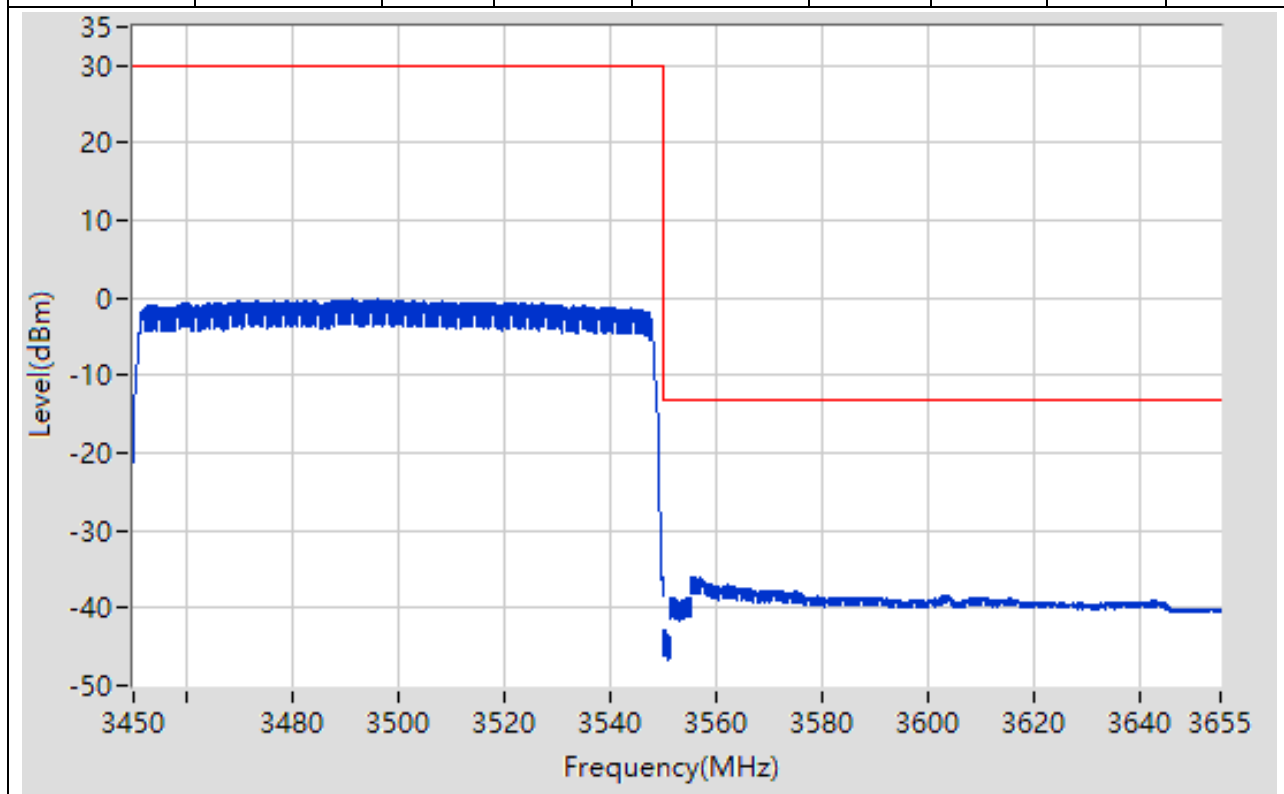
**48.21. Band Edge for SA(NTNV)(Subtest:5, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 17.01       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.39      | RMS      | 3550            | -21.04      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551            | -39.37      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3646.667        | -40.52      | -13         | Pass    | 601         |



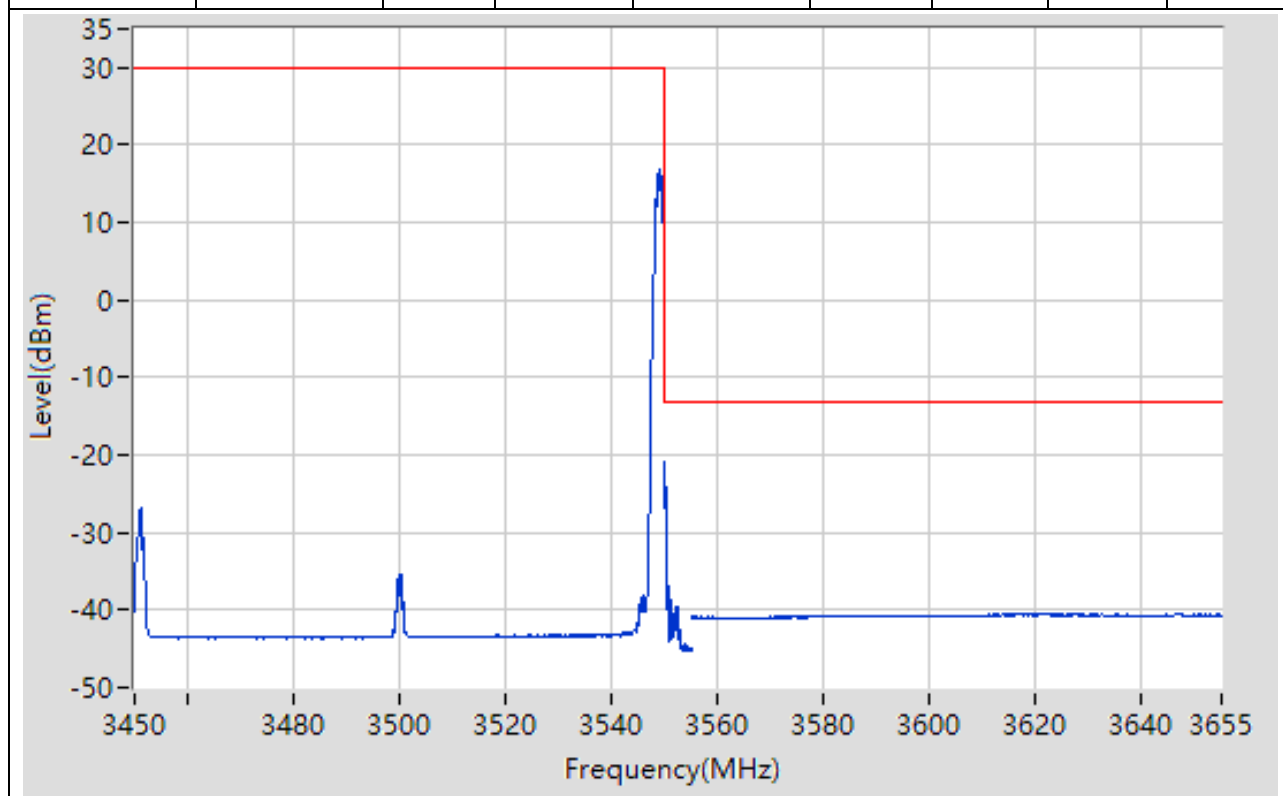
**48.22. Band Edge for SA(NTNV)(Subtest:6, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3491.167        | -0.22       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.155        | -42.85      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.567        | -38.59      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.167        | -36.16      | -13         | Pass    | 601         |



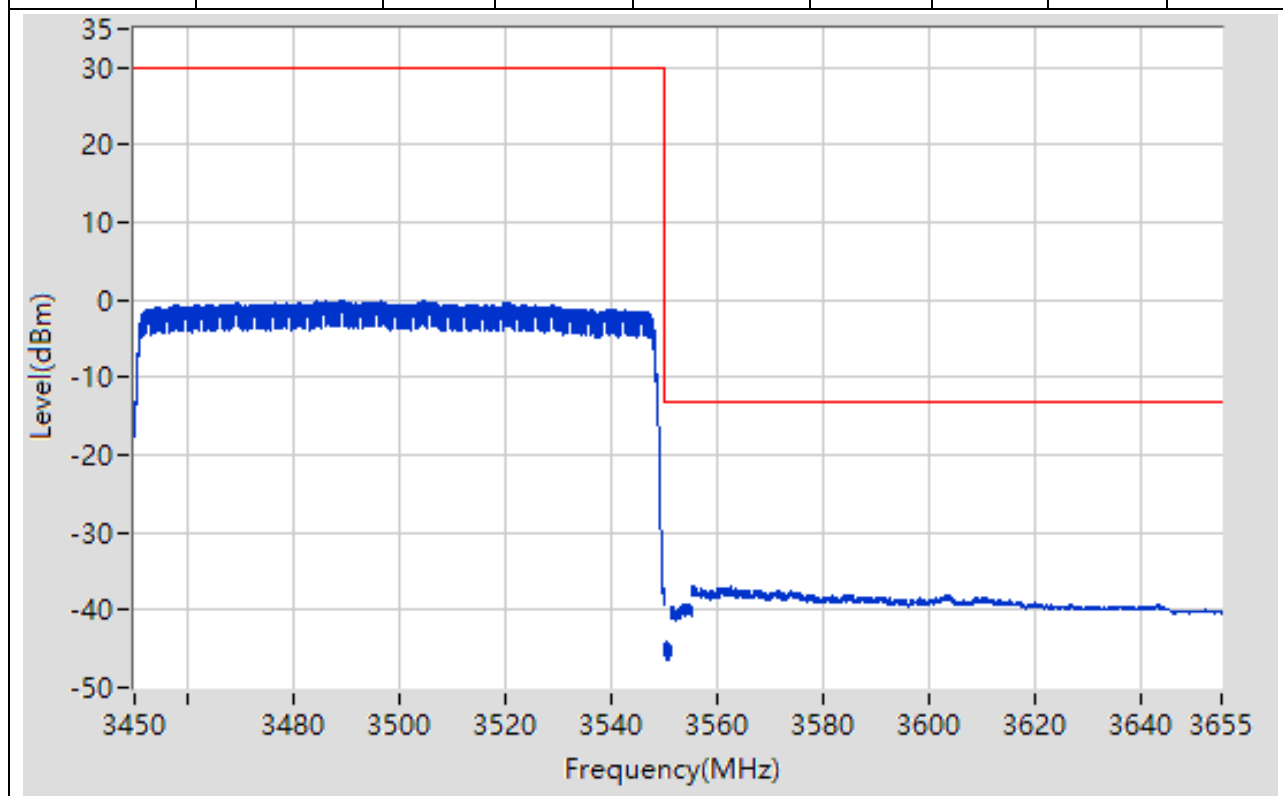
**48.23. Band Edge for SA(NTNV)(Subtest:7, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3548.833        | 16.99       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.39      | RMS      | 3550            | -20.74      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.013        | -38.85      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3646.833        | -40.52      | -13         | Pass    | 601         |



**48.24. Band Edge for SA(NTNV)(Subtest:8, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

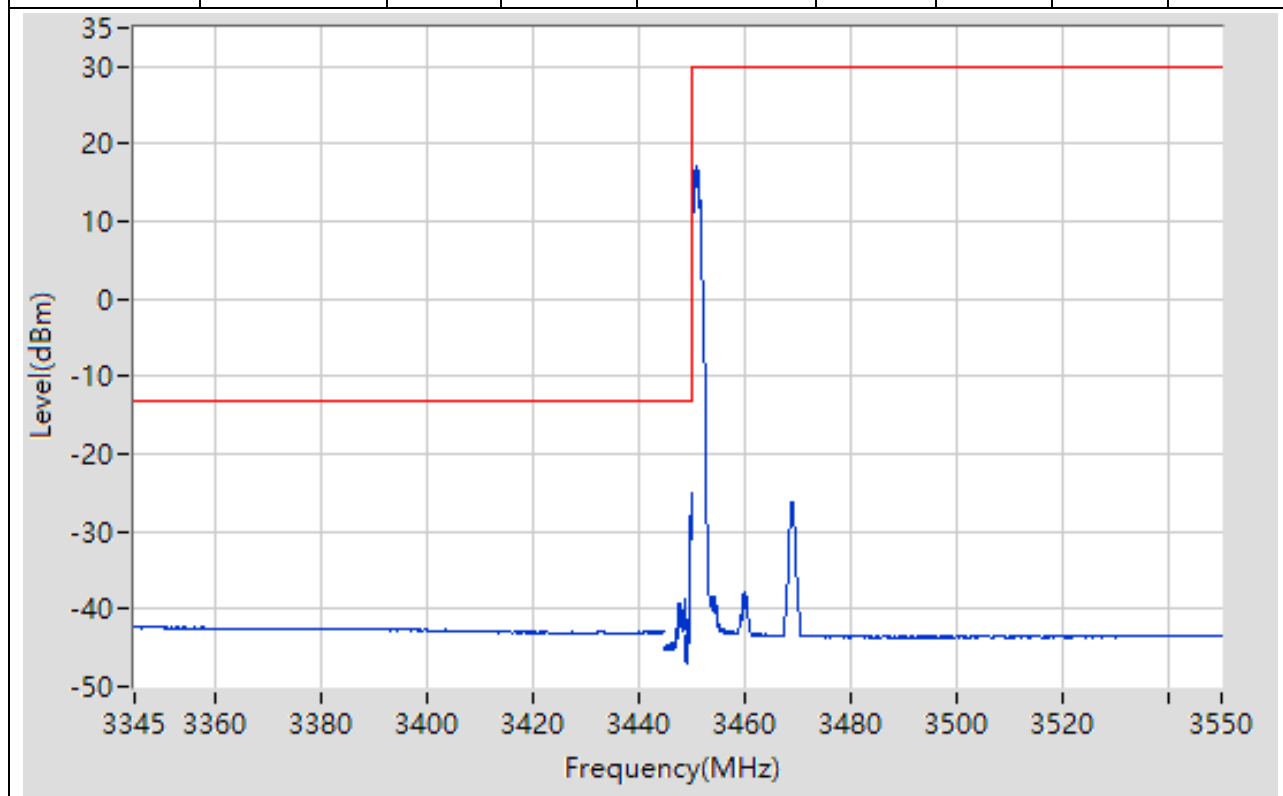
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3496.667        | -0.12       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.147        | -44.16      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3553.467        | -39.23      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.167        | -36.87      | -13         | Pass    | 601         |



## 49. n77 30kHz(3450-3550MHz) \_MIMO-ANT4

49.1. Band Edge for SA(NTNV)(Subtest:1, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)

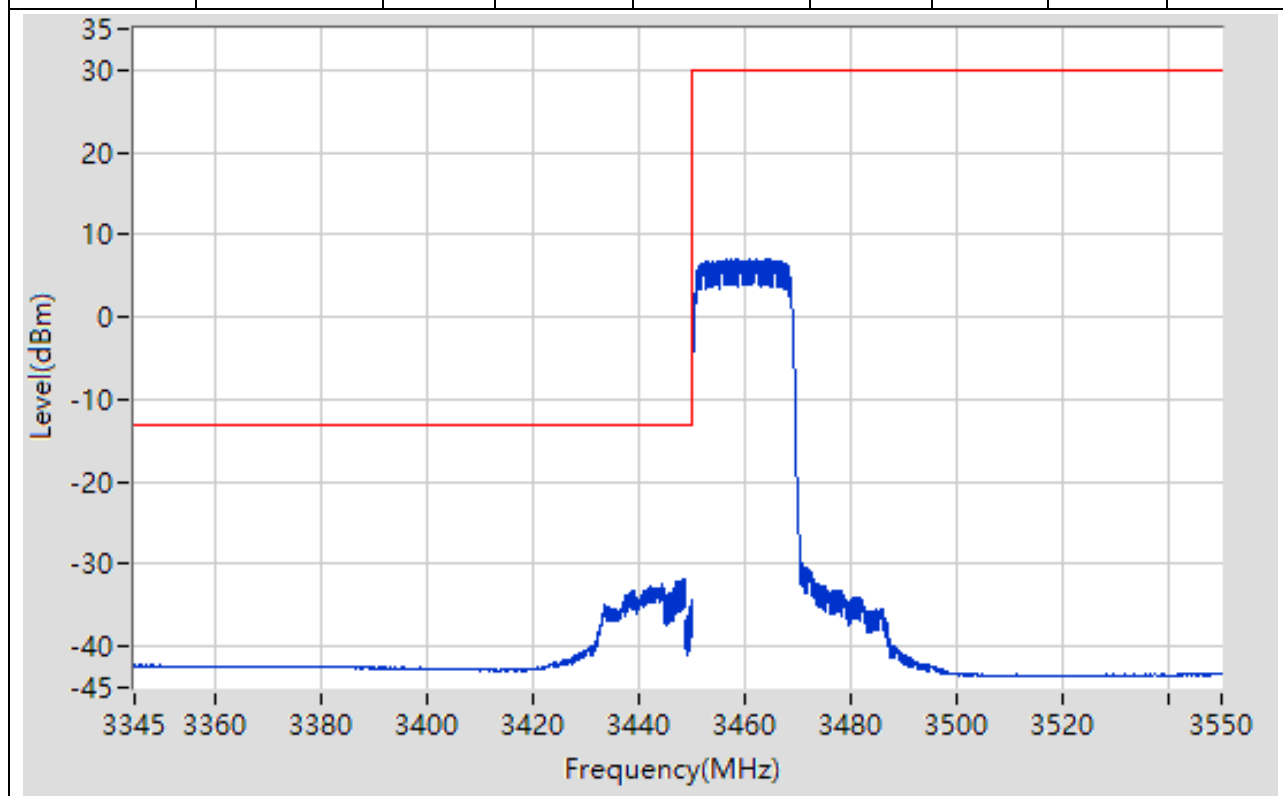
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3349            | -42.27      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.987        | -38.8       | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3450            | -25.16      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.167        | 17.27       | 30          | Pass    | 601         |





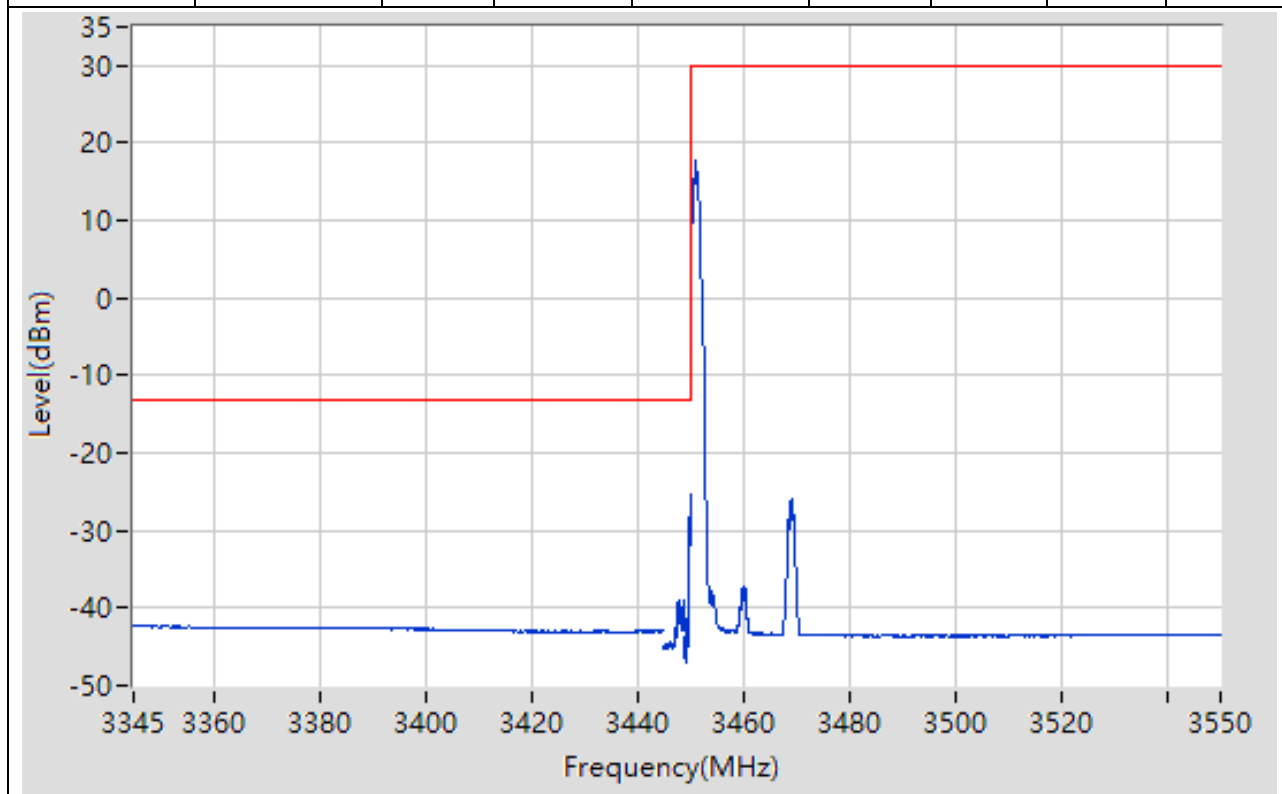
**49.2. Band Edge for SA(NTNV)(Subtest:2, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3444.667        | -32.53      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.313        | -31.78      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.983        | -34.39      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3461.167        | 7.12        | 30          | Pass    | 601         |



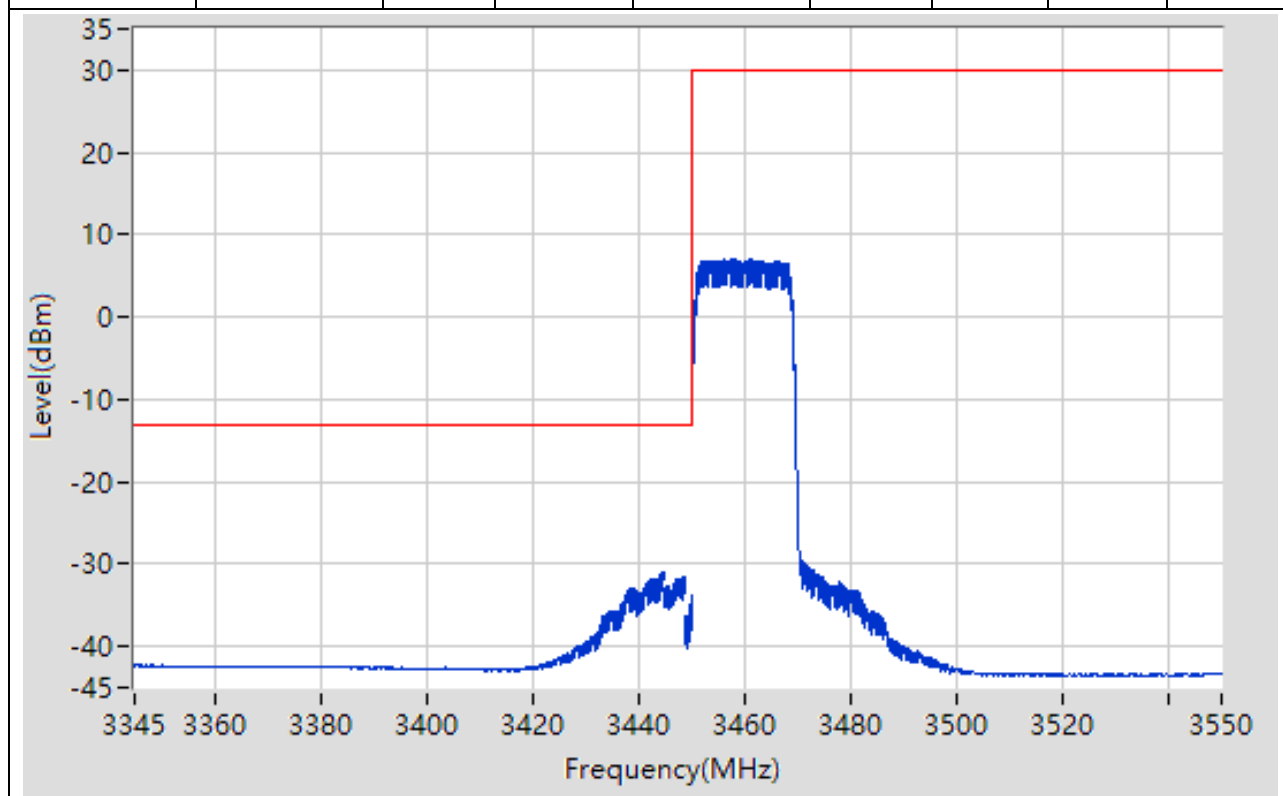
**49.3. Band Edge for SA(NTNV)(Subtest:3, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3346.667        | -42.29      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3449            | -38.98      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.998        | -25.38      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451            | 17.62       | 30          | Pass    | 601         |



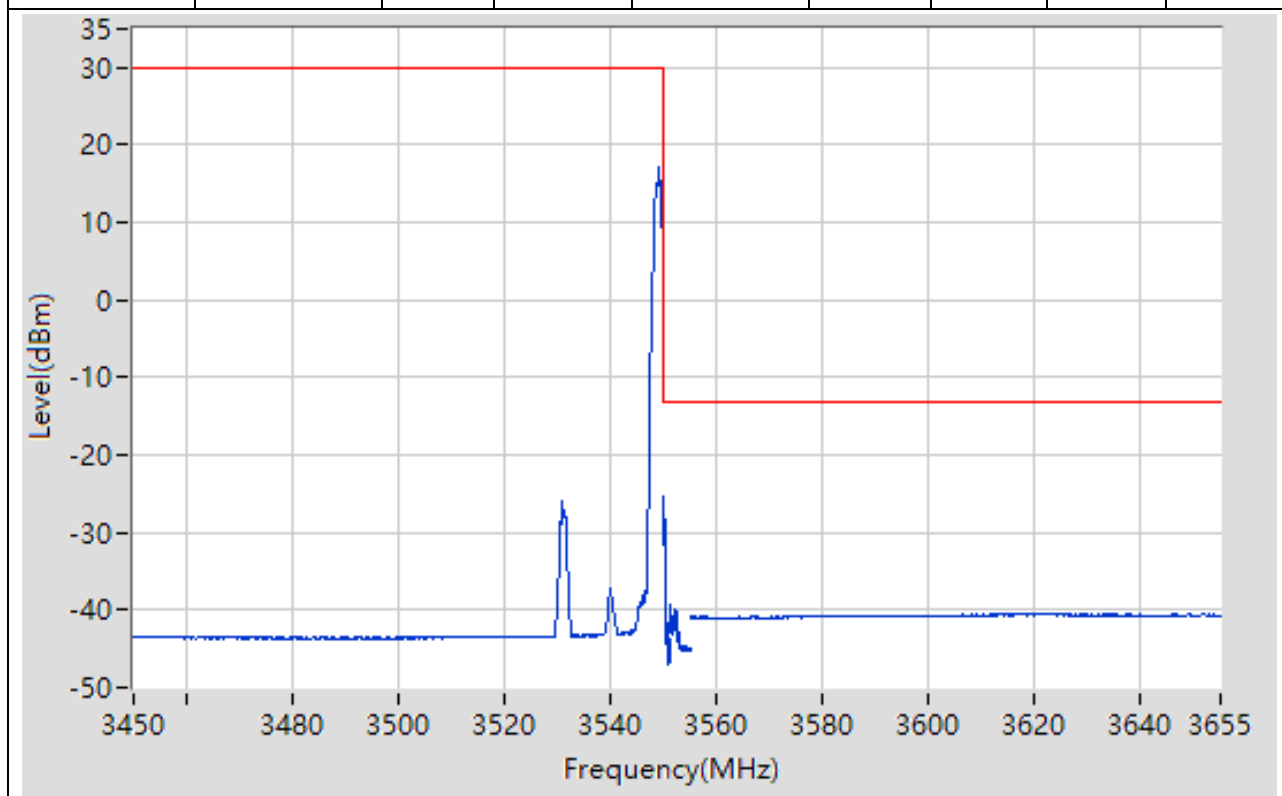
**49.4. Band Edge for SA(NTNV)(Subtest:4, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3445            | -30.96      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.86         | -31.46      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.998        | -33.9       | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3458.167        | 7.01        | 30          | Pass    | 601         |



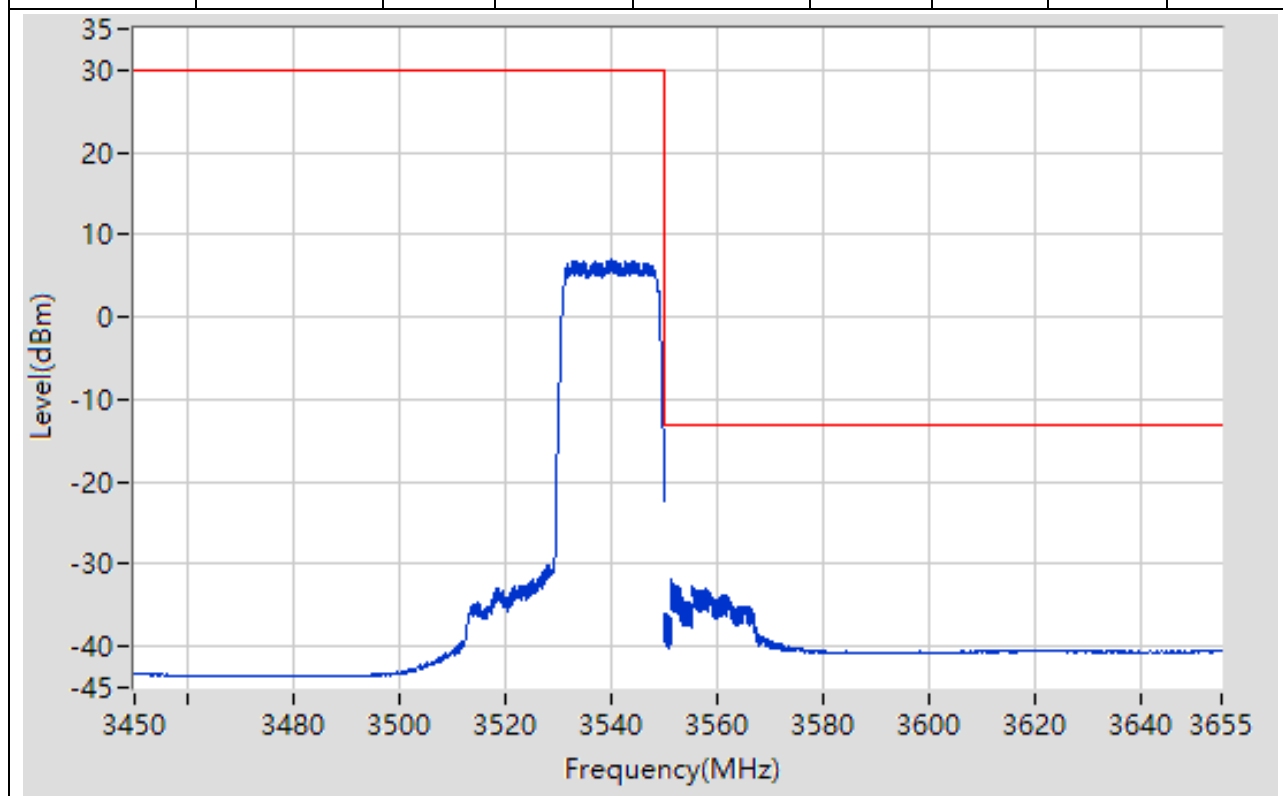
**49.5. Band Edge for SA(NTNV)(Subtest:5, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 17.23       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.002        | -25.29      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.013        | -39.33      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3623.833        | -40.46      | -13         | Pass    | 601         |



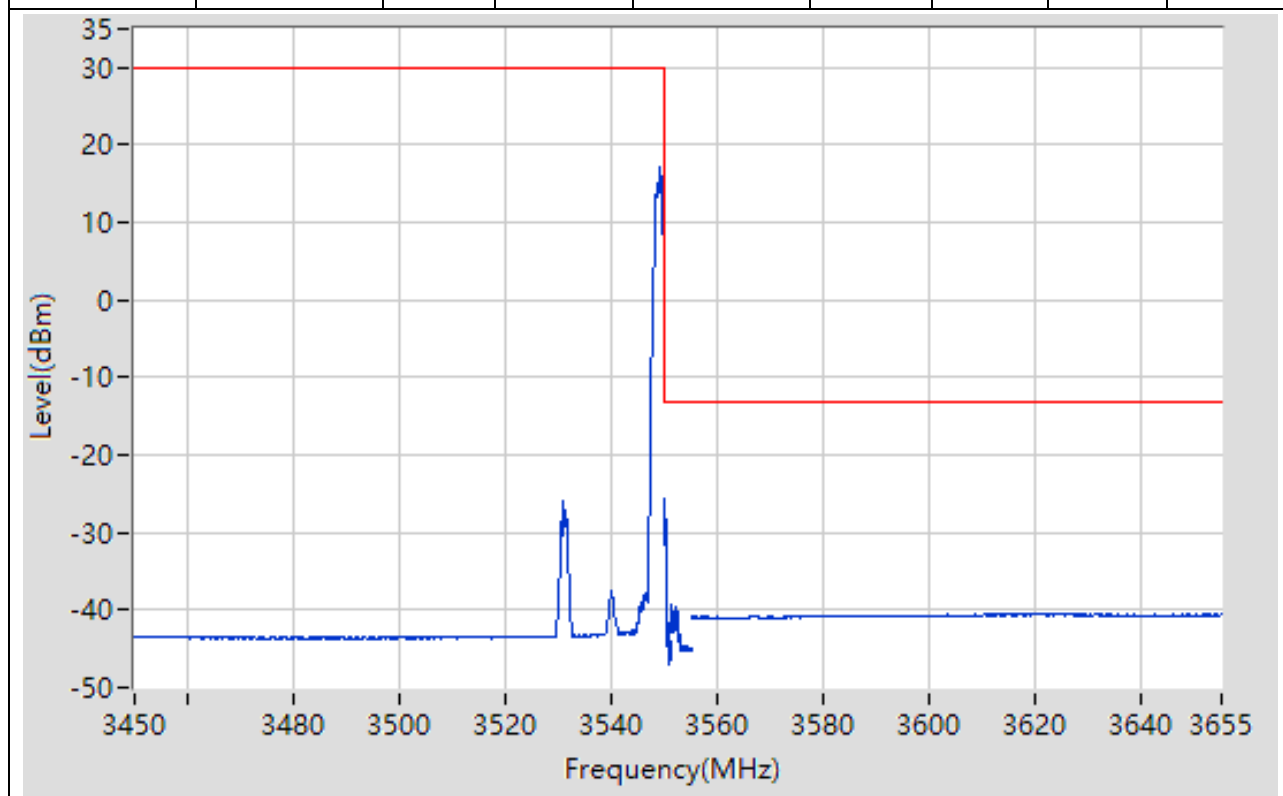
**49.6. Band Edge for SA(NTNV)(Subtest:6, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3539.833        | 6.92        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.003        | -36.07      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.013        | -31.97      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555            | -32.61      | -13         | Pass    | 601         |



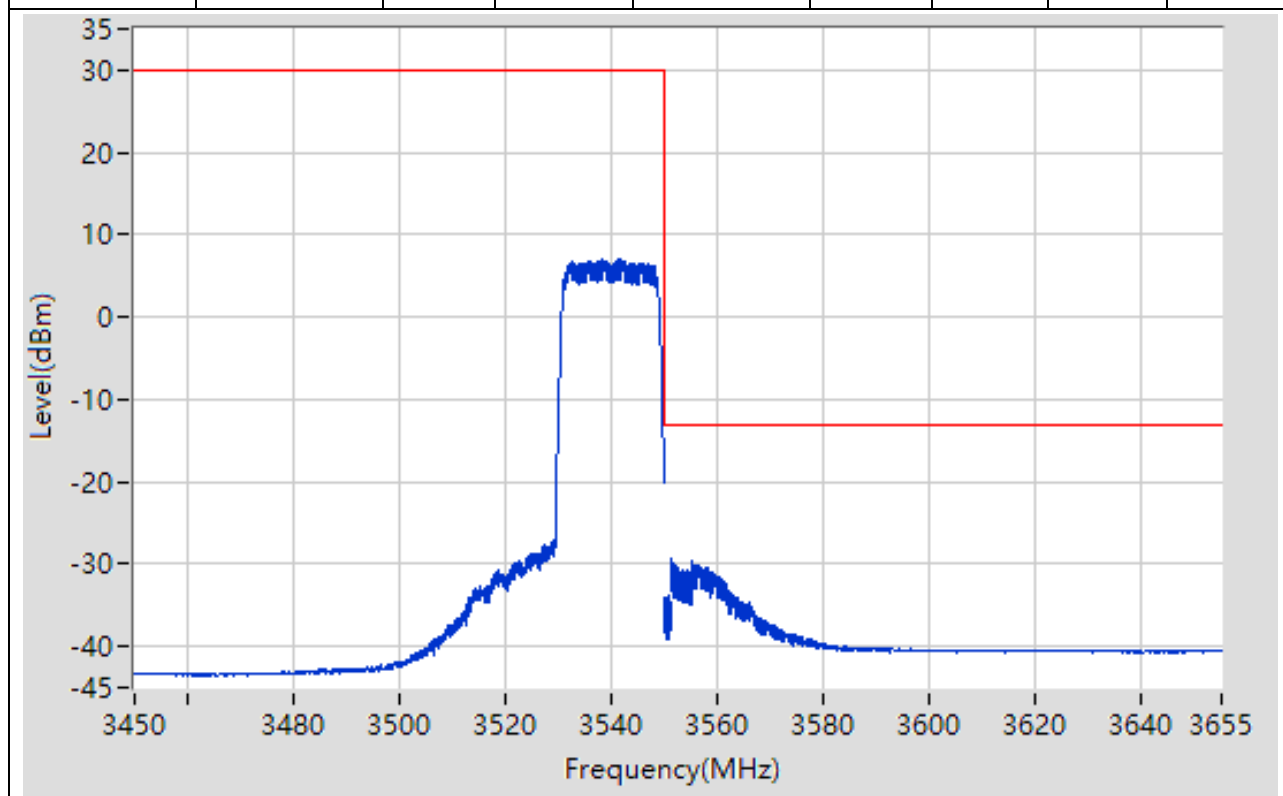
**49.7. Band Edge for SA(NTNV)(Subtest:7, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 17.31       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.013        | -25.63      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551            | -39.24      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3620.5          | -40.48      | -13         | Pass    | 601         |



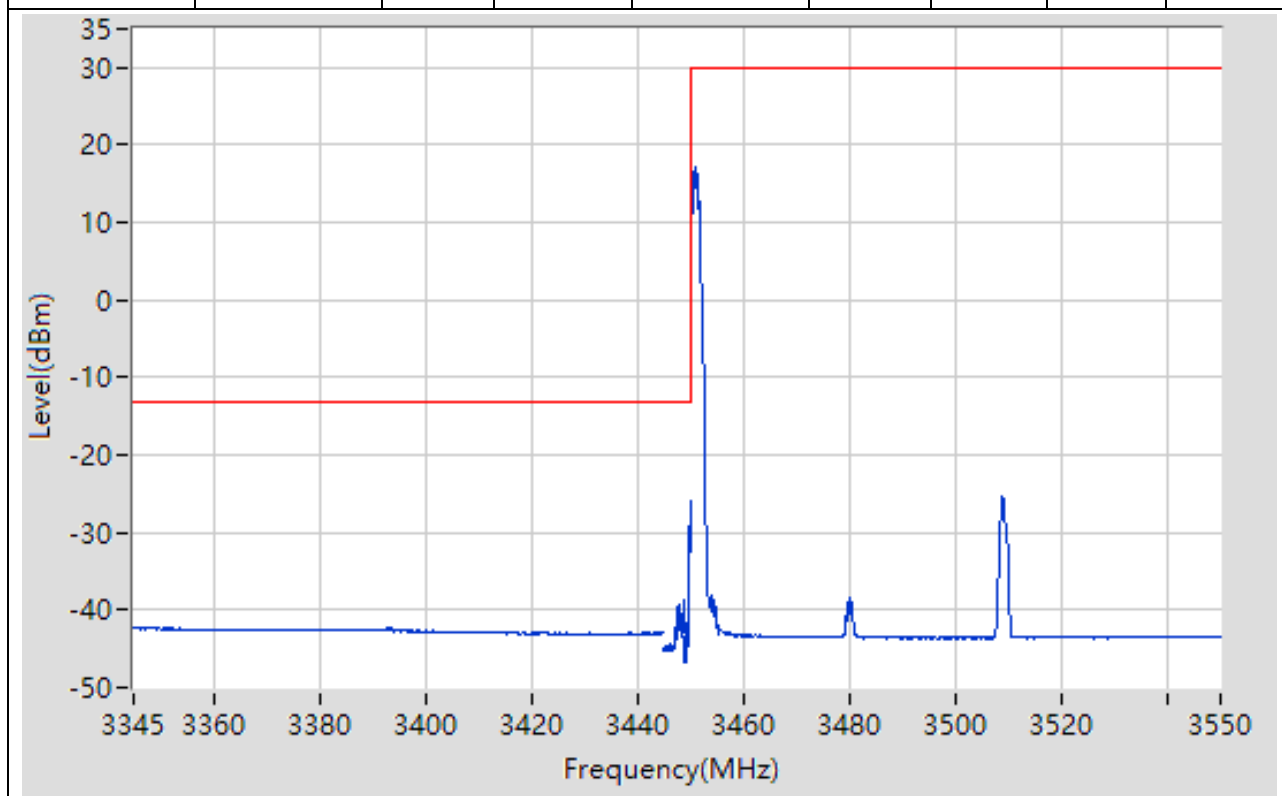
**49.8. Band Edge for SA(NTNV)(Subtest:8, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3538.167        | 6.95        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.848        | -33.91      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.027        | -29.39      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555            | -29.65      | -13         | Pass    | 601         |



**49.9. Band Edge for SA(NTNV)(Subtest:1, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

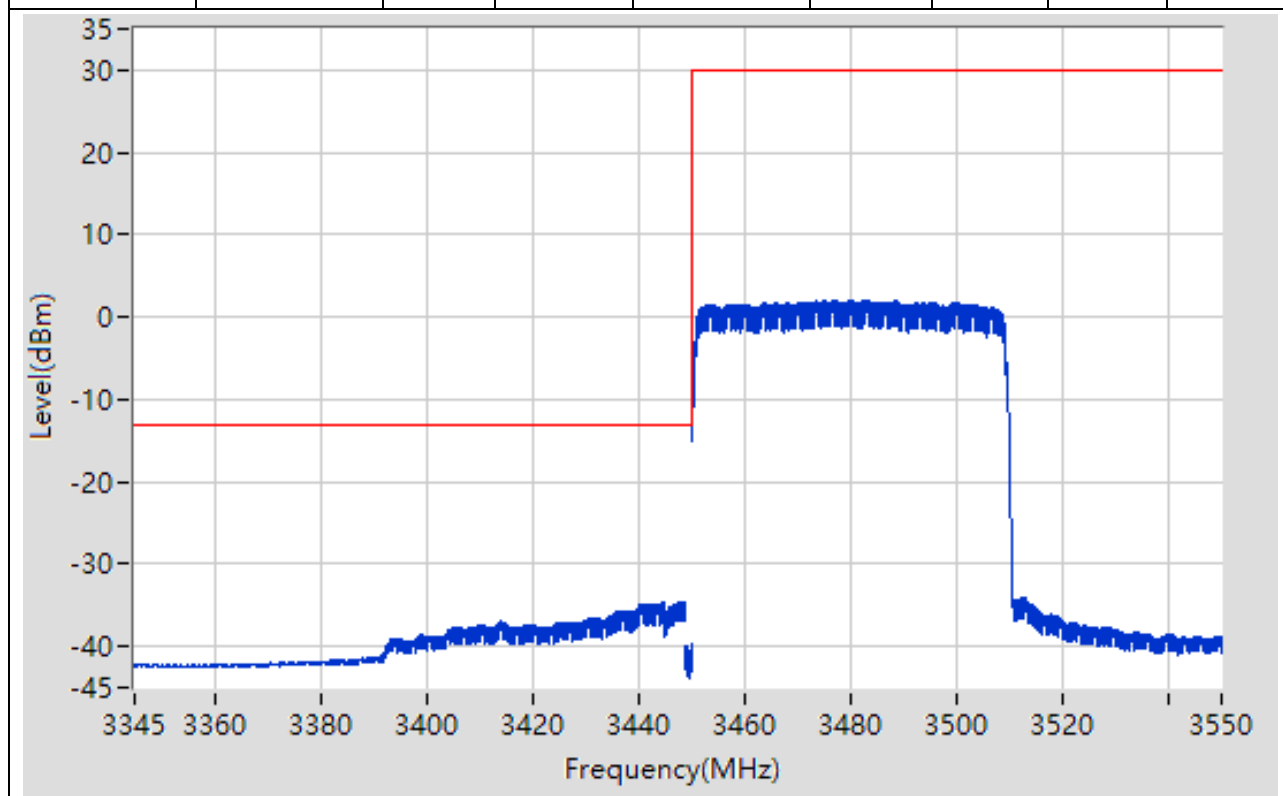
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3346            | -42.28      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3449            | -38.69      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3450            | -25.96      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.167        | 17.14       | 30          | Pass    | 601         |





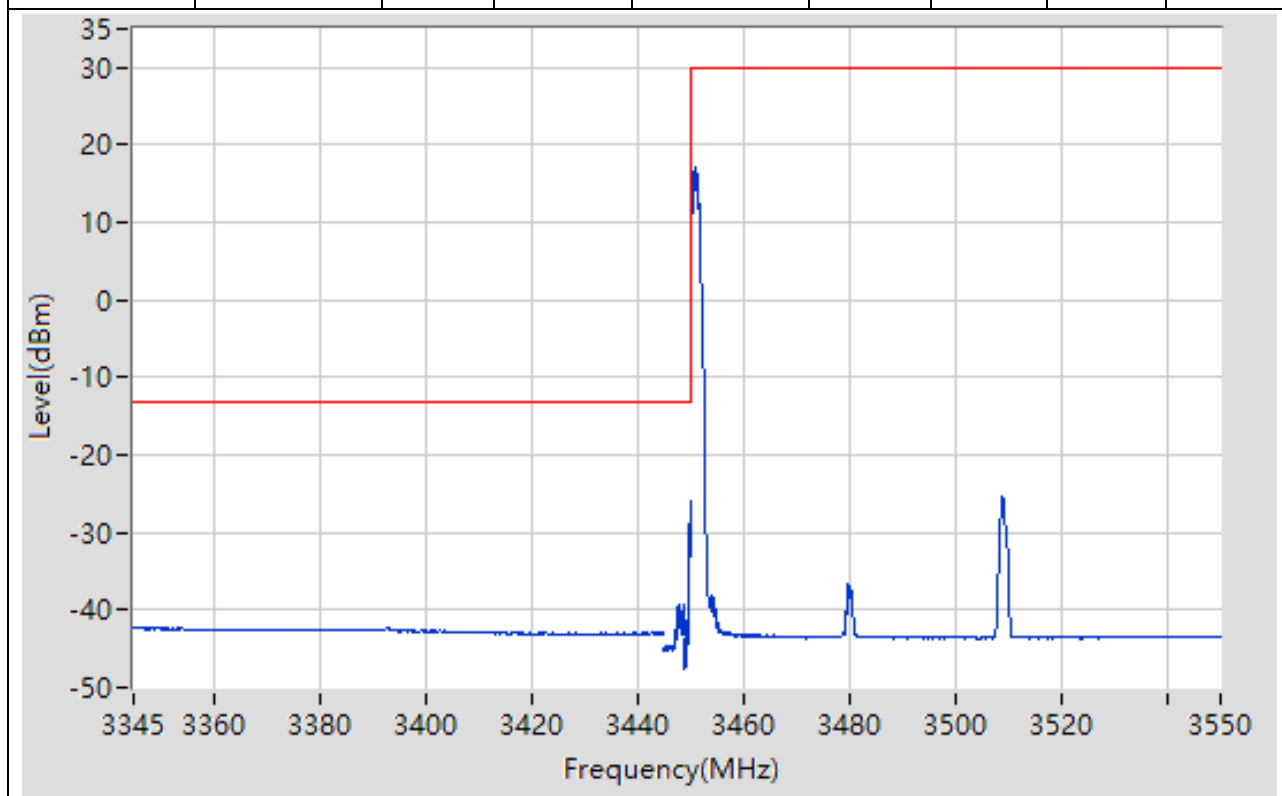
**49.10. Band Edge for SA(NTNV)(Subtest:2, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3445            | -34.52      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.507        | -34.72      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3450            | -39.63      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3483            | 2.11        | 30          | Pass    | 601         |



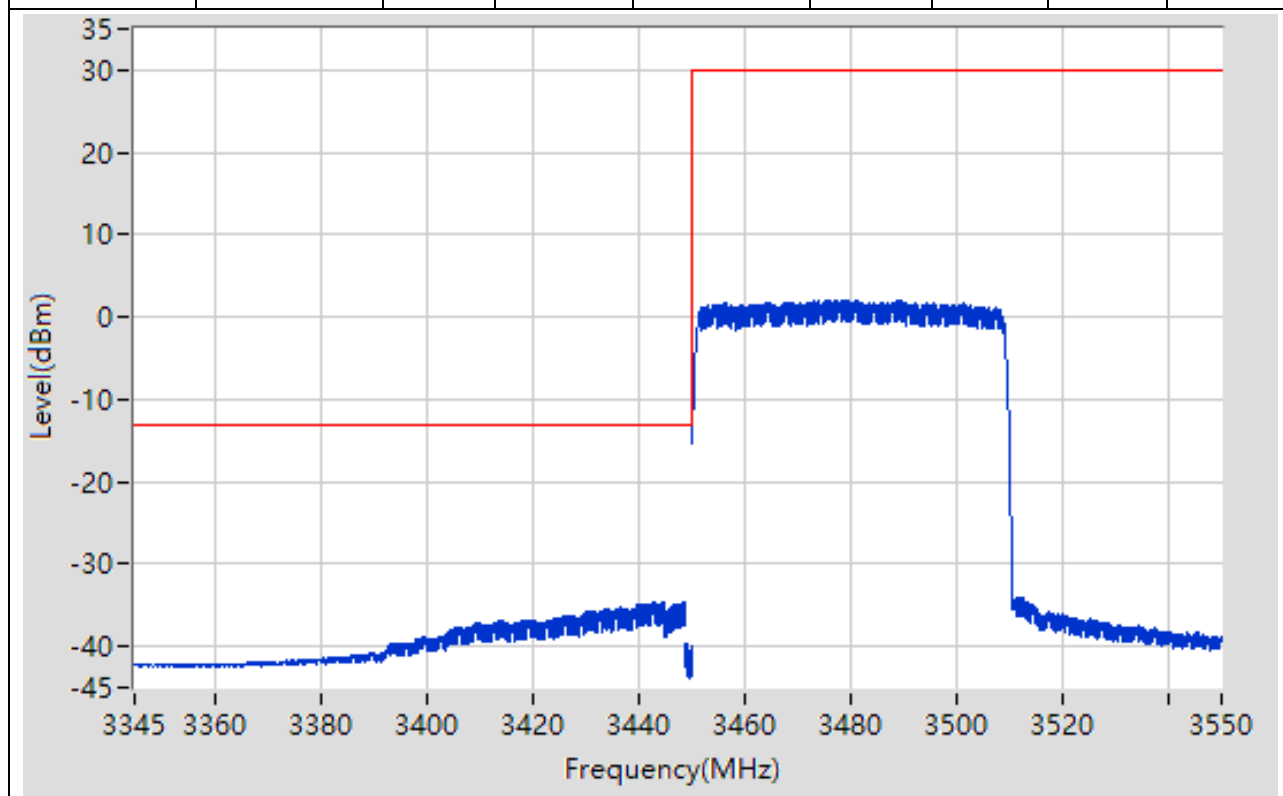
**49.11. Band Edge for SA(NTNV)(Subtest:3, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3346.333        | -42.24      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.98         | -39.21      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3450            | -25.88      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3450.833        | 17.16       | 30          | Pass    | 601         |



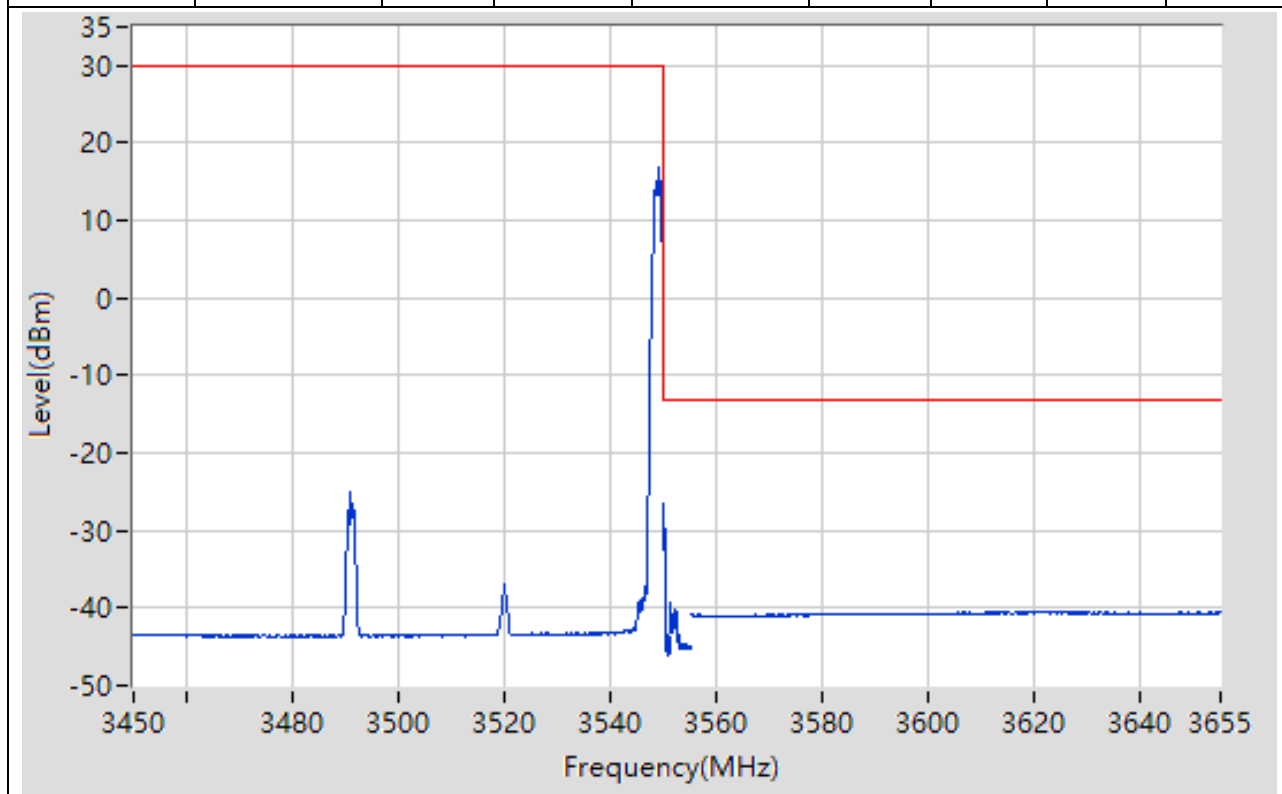
**49.12. Band Edge for SA(NTNV)(Subtest:4, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3444.833        | -34.55      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.753        | -34.57      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.002        | -39.58      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3475.833        | 2.12        | 30          | Pass    | 601         |



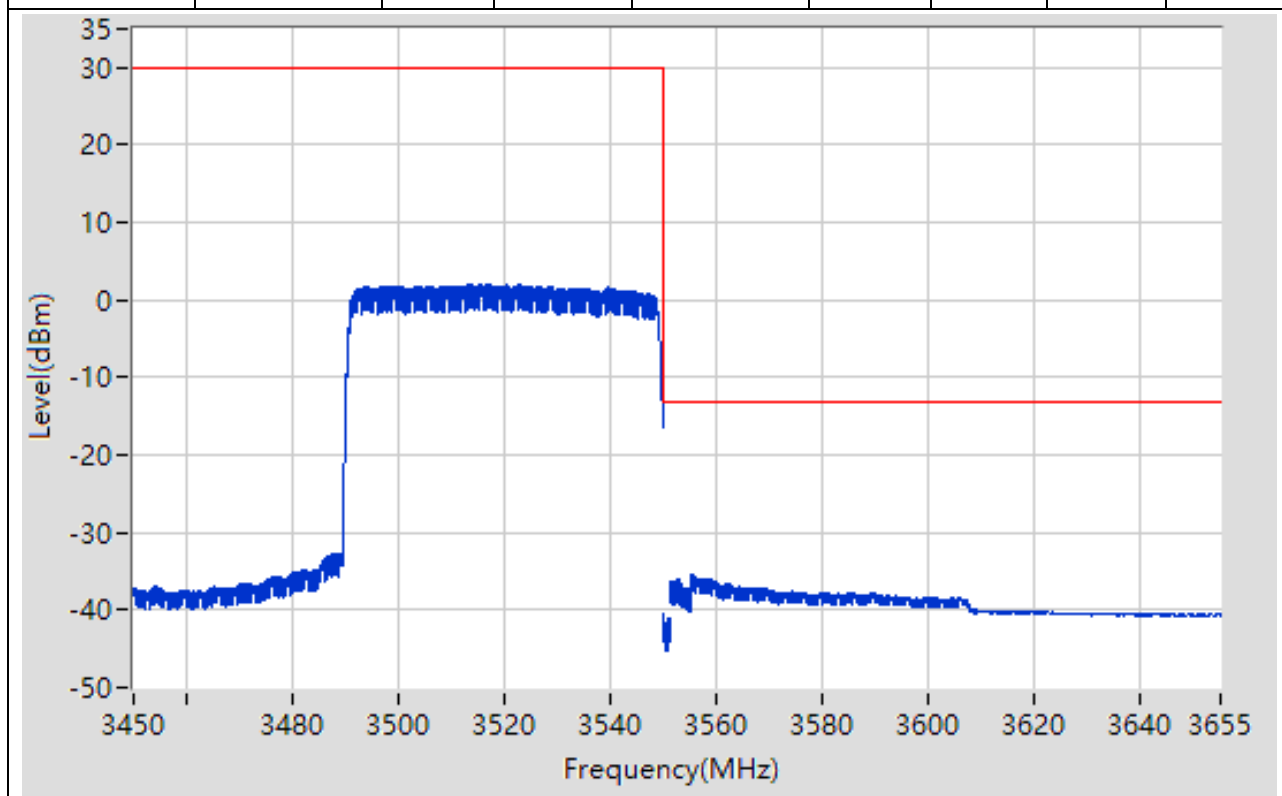
**49.13. Band Edge for SA(NTNV)(Subtest:5, Channel:634664, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3548.833        | 16.87       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550            | -26.56      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.007        | -39.32      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3623            | -40.53      | -13         | Pass    | 601         |



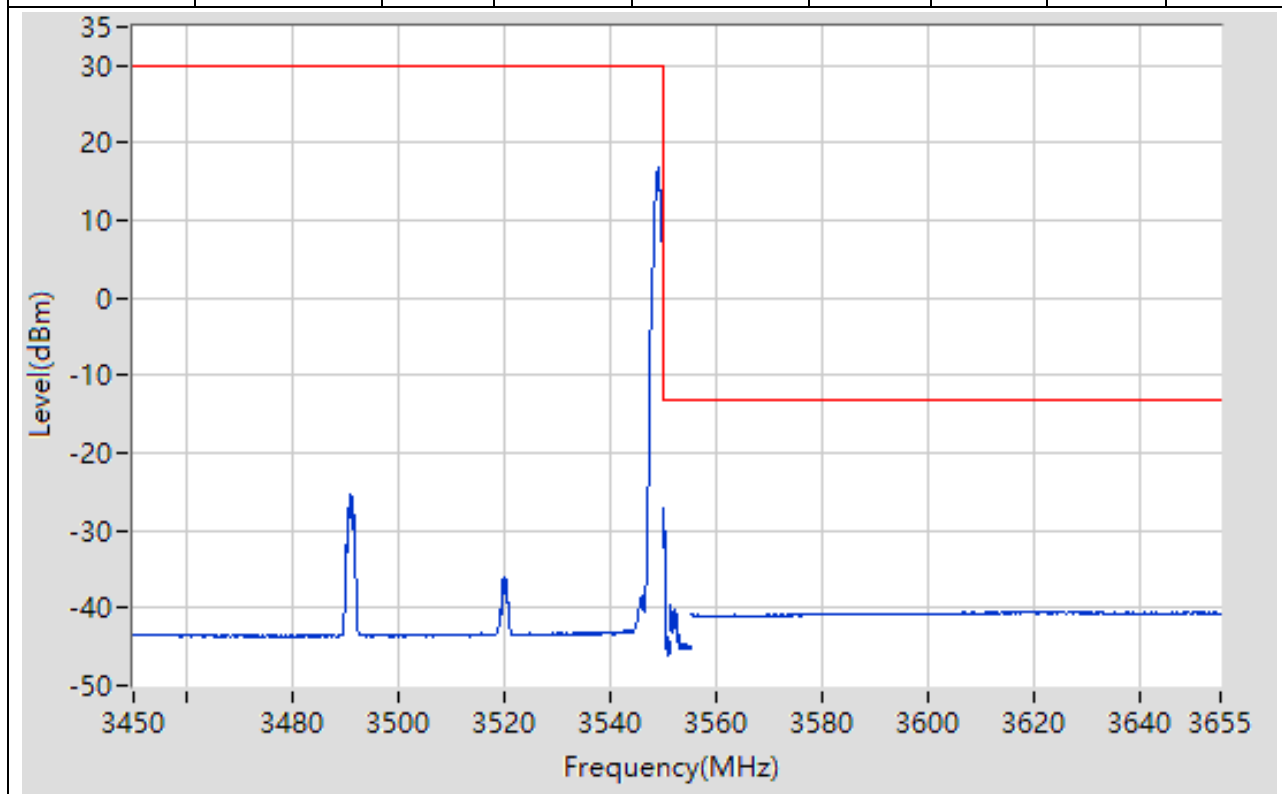
**49.14. Band Edge for SA(NTNV)(Subtest:6, Channel:634664, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3523            | 2.12        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550            | -40.43      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3552.567        | -36.16      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555            | -35.36      | -13         | Pass    | 601         |



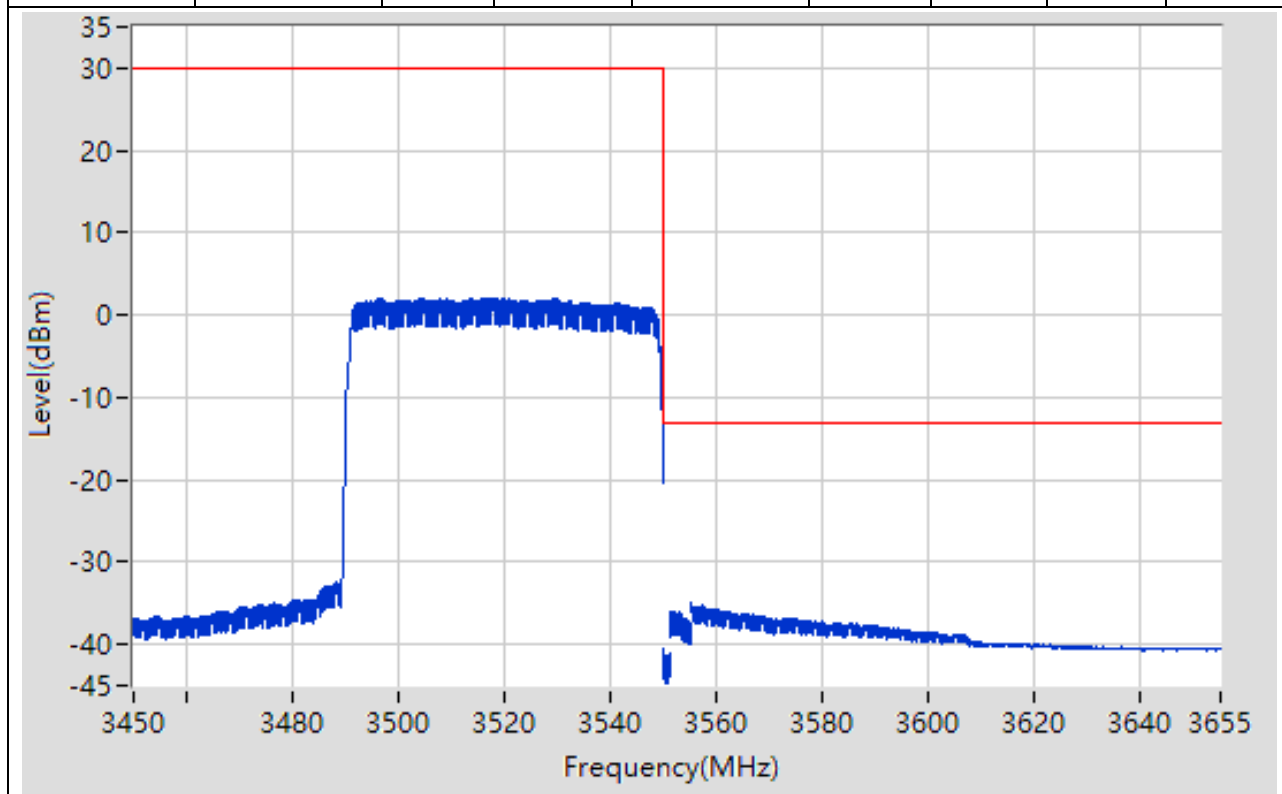
**49.15. Band Edge for SA(NTNV)(Subtest:7, Channel:634664, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 16.92       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550            | -27.16      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551            | -39.53      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3618.833        | -40.51      | -13         | Pass    | 601         |



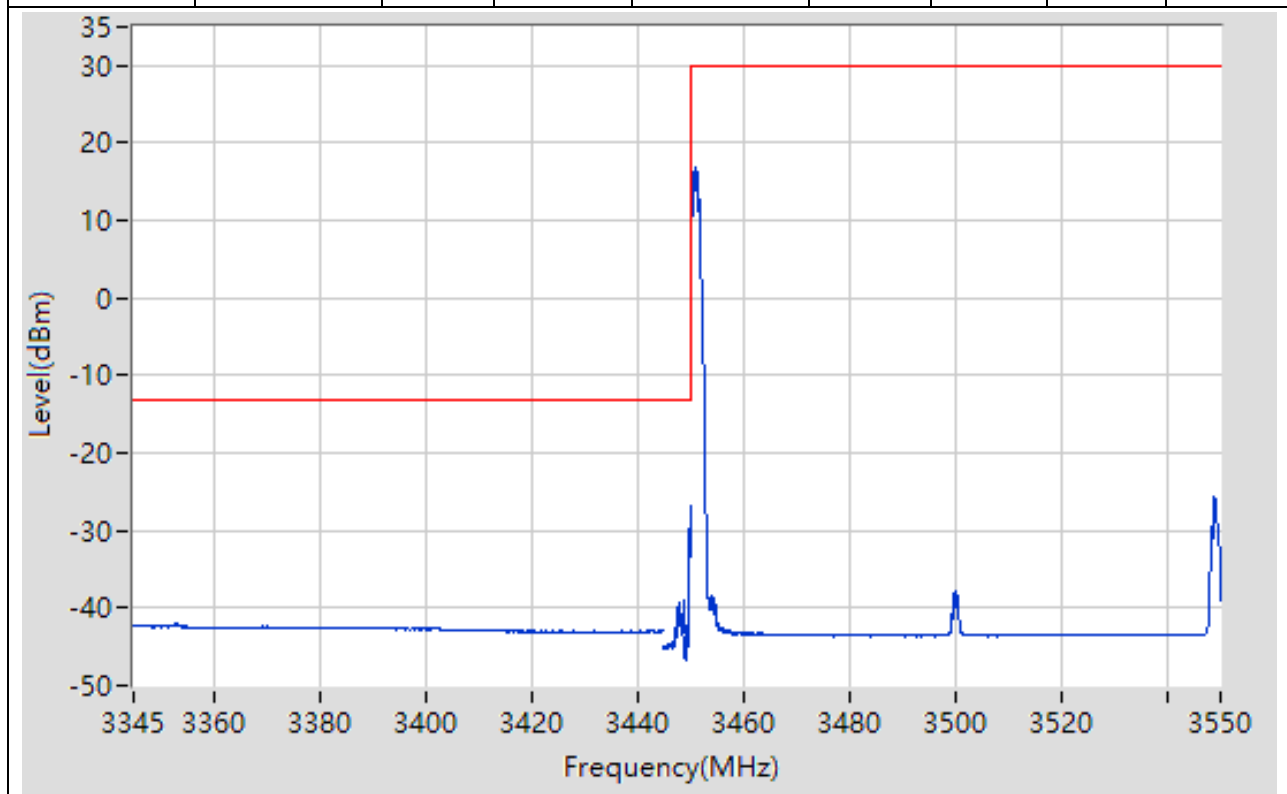
**49.16. Band Edge for SA(NTNV)(Subtest:8, Channel:634664, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3515.833        | 2.07        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550            | -40.55      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.653        | -36.07      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555            | -35.07      | -13         | Pass    | 601         |



**49.17. Band Edge for SA(NTNV)(Subtest:1, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

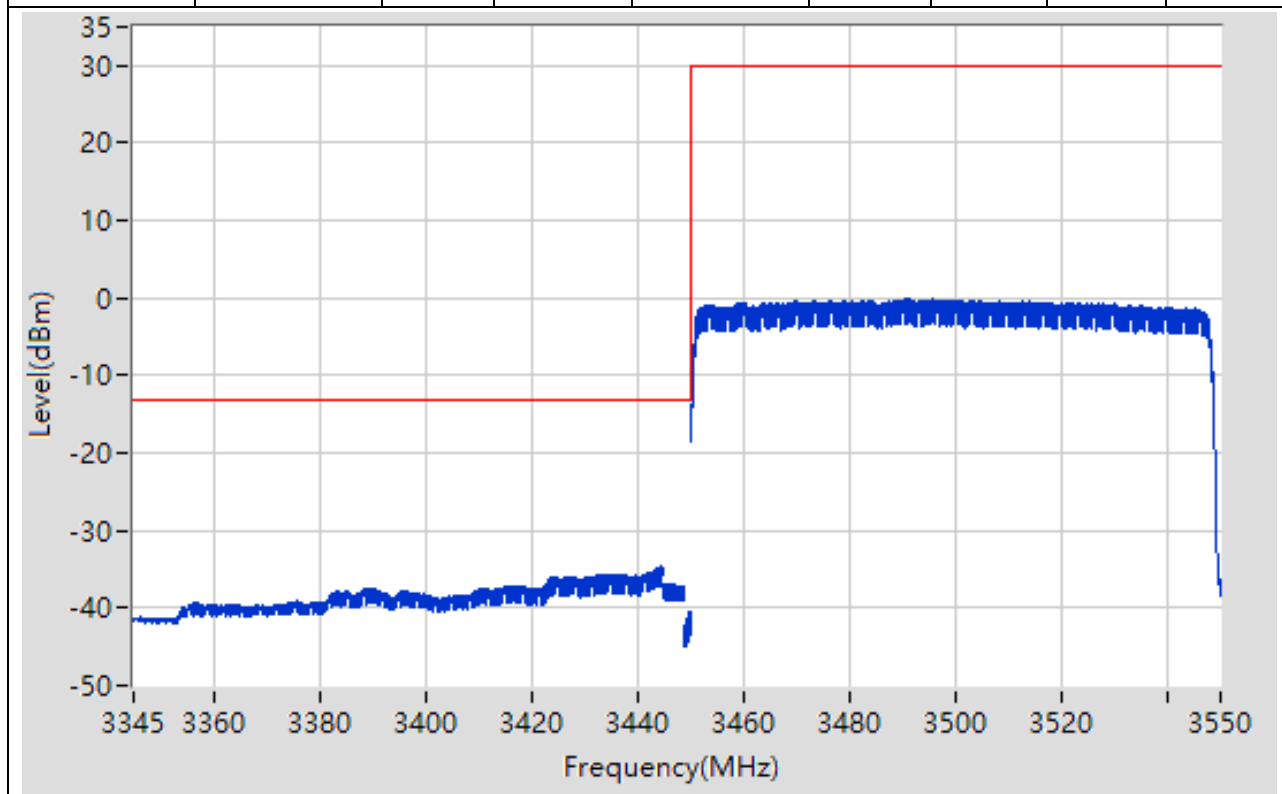
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3353.167        | -42.01      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.98         | -39.12      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3450            | -26.69      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3450.833        | 16.87       | 30          | Pass    | 601         |





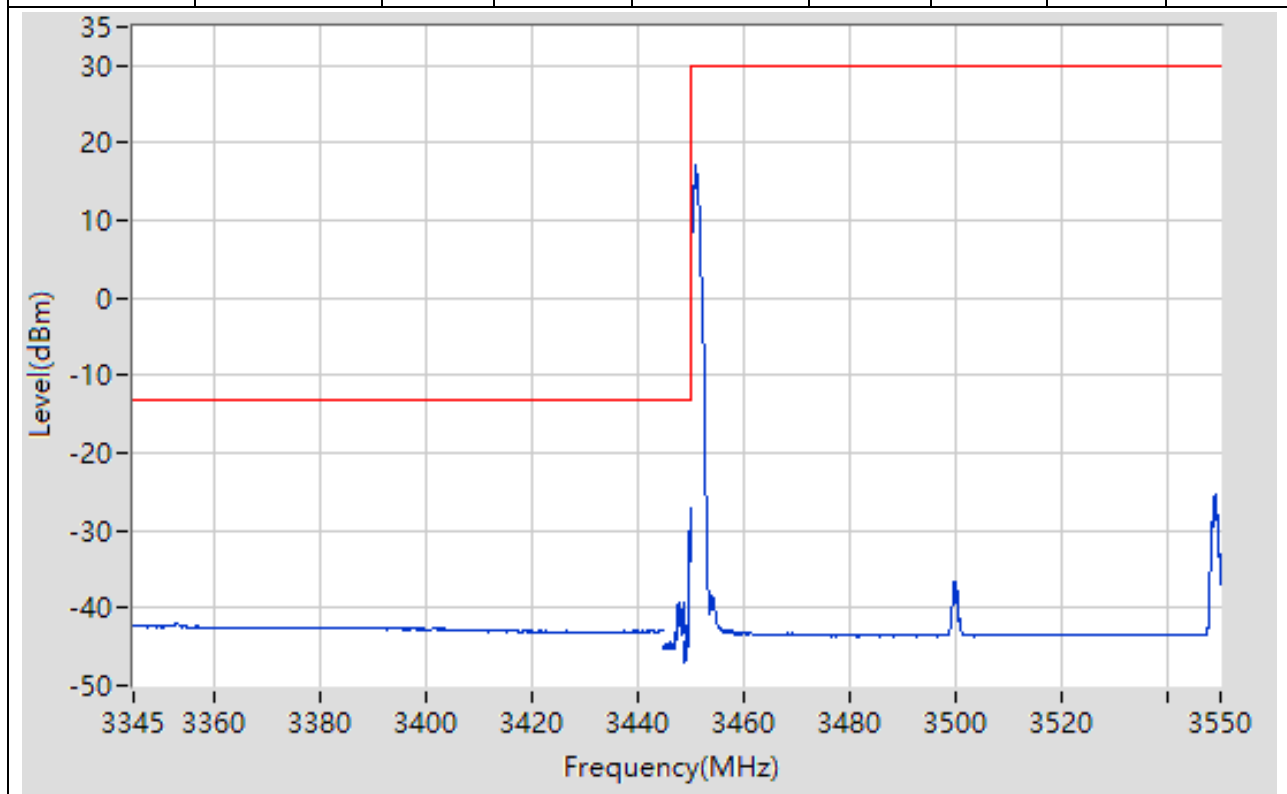
**49.18. Band Edge for SA(NTNV)(Subtest:2, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3444.333        | -34.69      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3446.18         | -36.85      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.912        | -40.57      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3491.167        | -0.18       | 30          | Pass    | 601         |



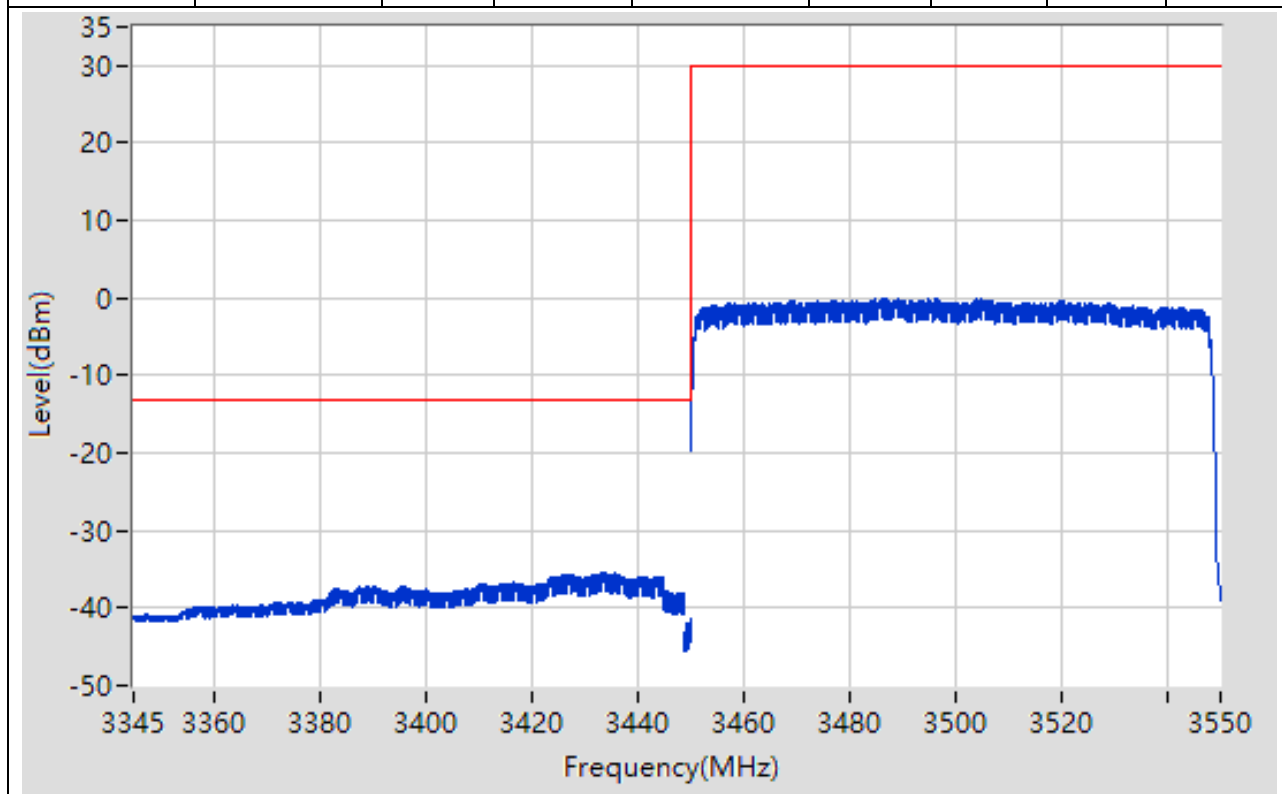
**49.19. Band Edge for SA(NTNV)(Subtest:3, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3353.167        | -42.03      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.993        | -39.37      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.998        | -27.03      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451            | 17.14       | 30          | Pass    | 601         |



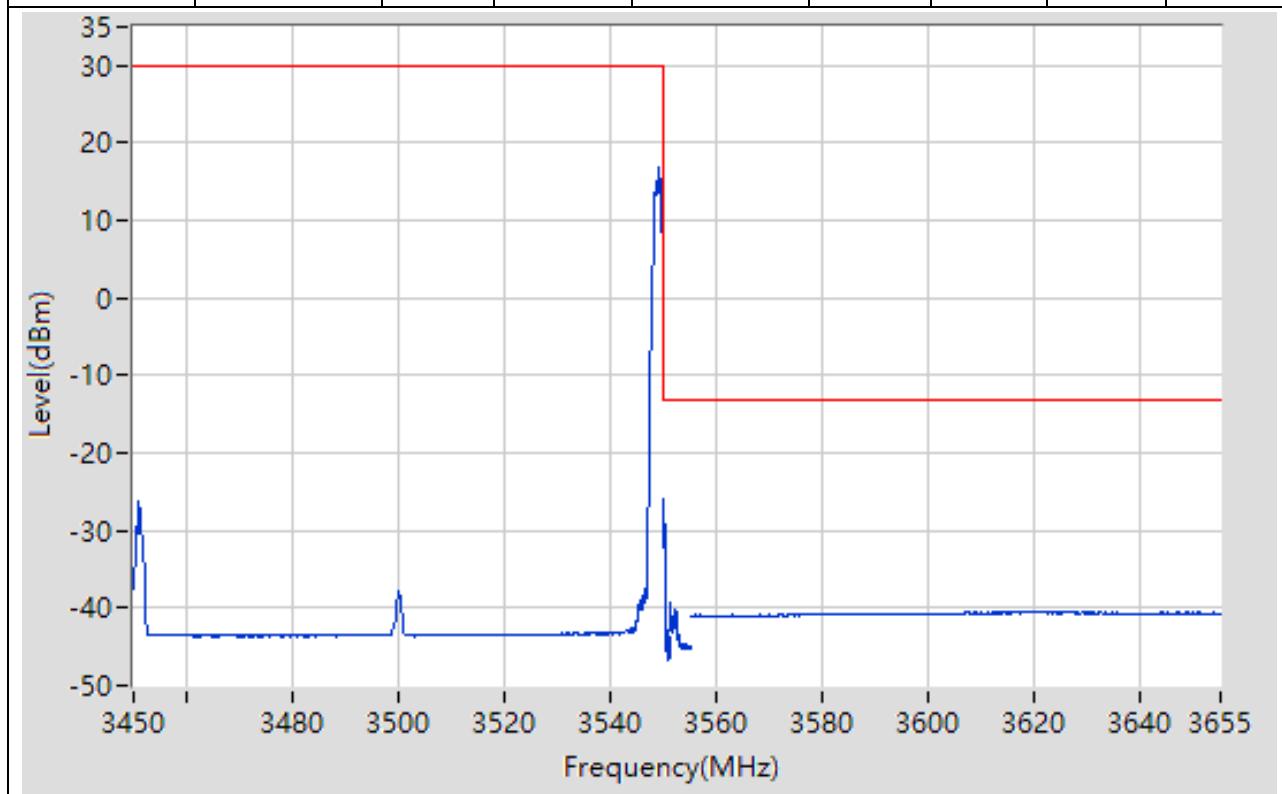
**49.20. Band Edge for SA(NTNV)(Subtest:4, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3433.667        | -35.35      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3445.207        | -37.83      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.995        | -41.5       | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3496.667        | -0.08       | 30          | Pass    | 601         |



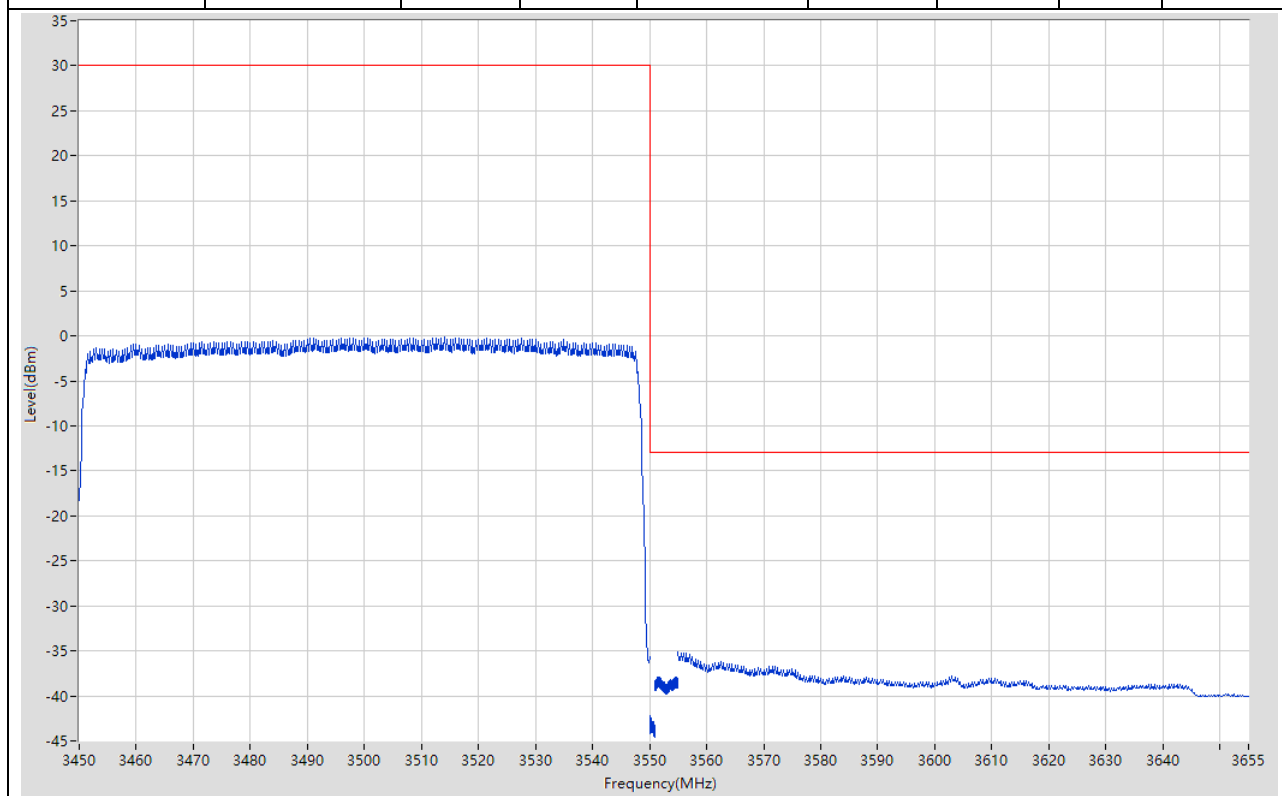
**49.21. Band Edge for SA(NTNV)(Subtest:5, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 16.85       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550            | -25.85      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.027        | -39.42      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3625.333        | -40.5       | -13         | Pass    | 601         |



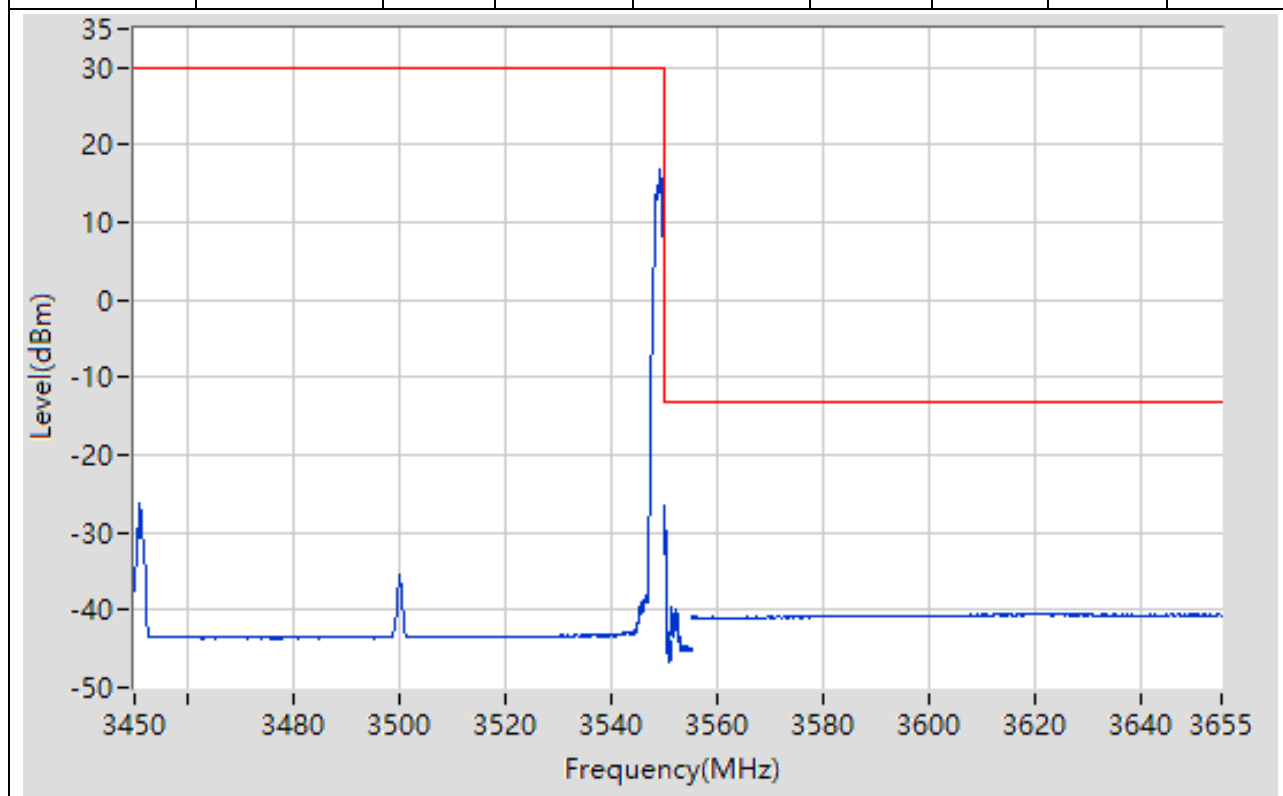
**49.22. Band Edge for SA(NTNV)(Subtest:6, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detect or | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|-----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS       | 3514            | -0.18       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS       | 3550.162        | -42.23      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS       | 3551.54         | -37.87      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS       | 3555            | -35.13      | -13         | Pass    | 601         |



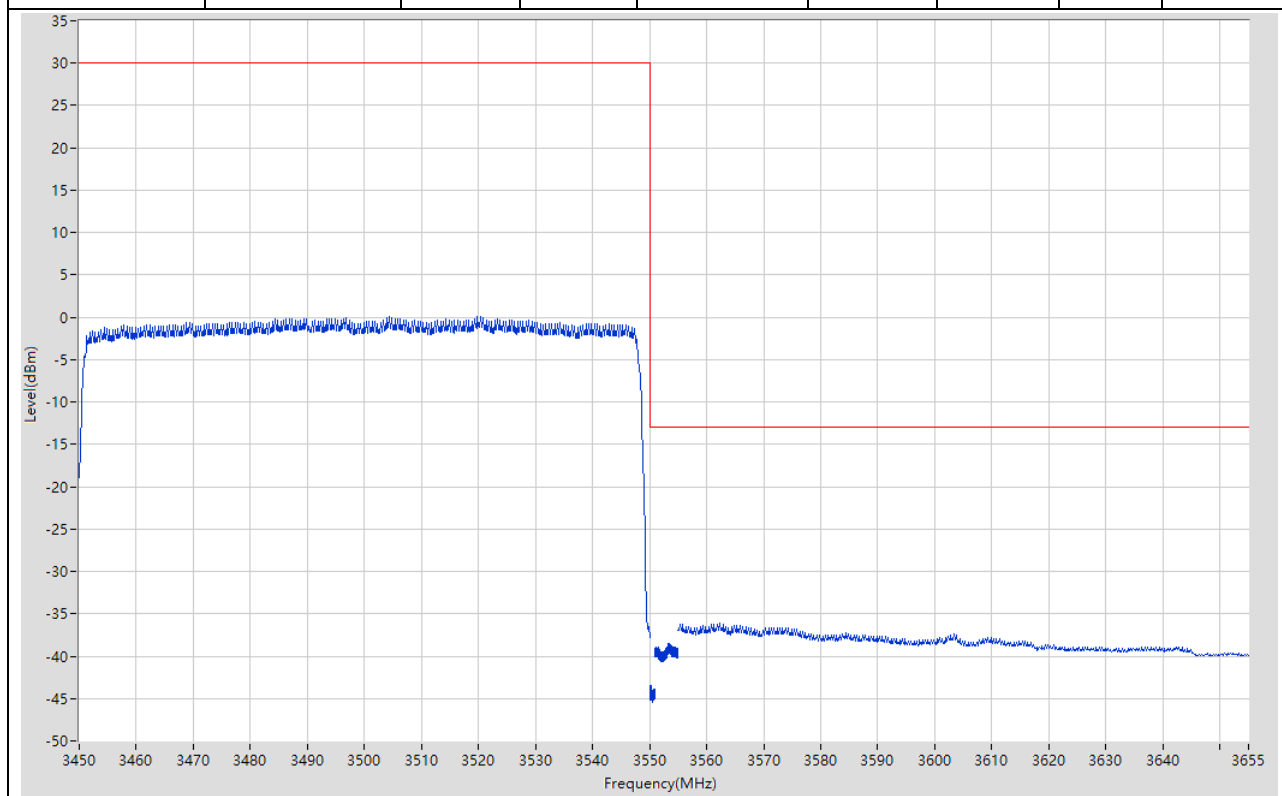
**49.23. Band Edge for SA(NTNV)(Subtest:7, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 16.97       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550            | -26.5       | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.013        | -39.48      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3624.5          | -40.5       | -13         | Pass    | 601         |



**49.24. Band Edge for SA(NTNV)(Subtest:8, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

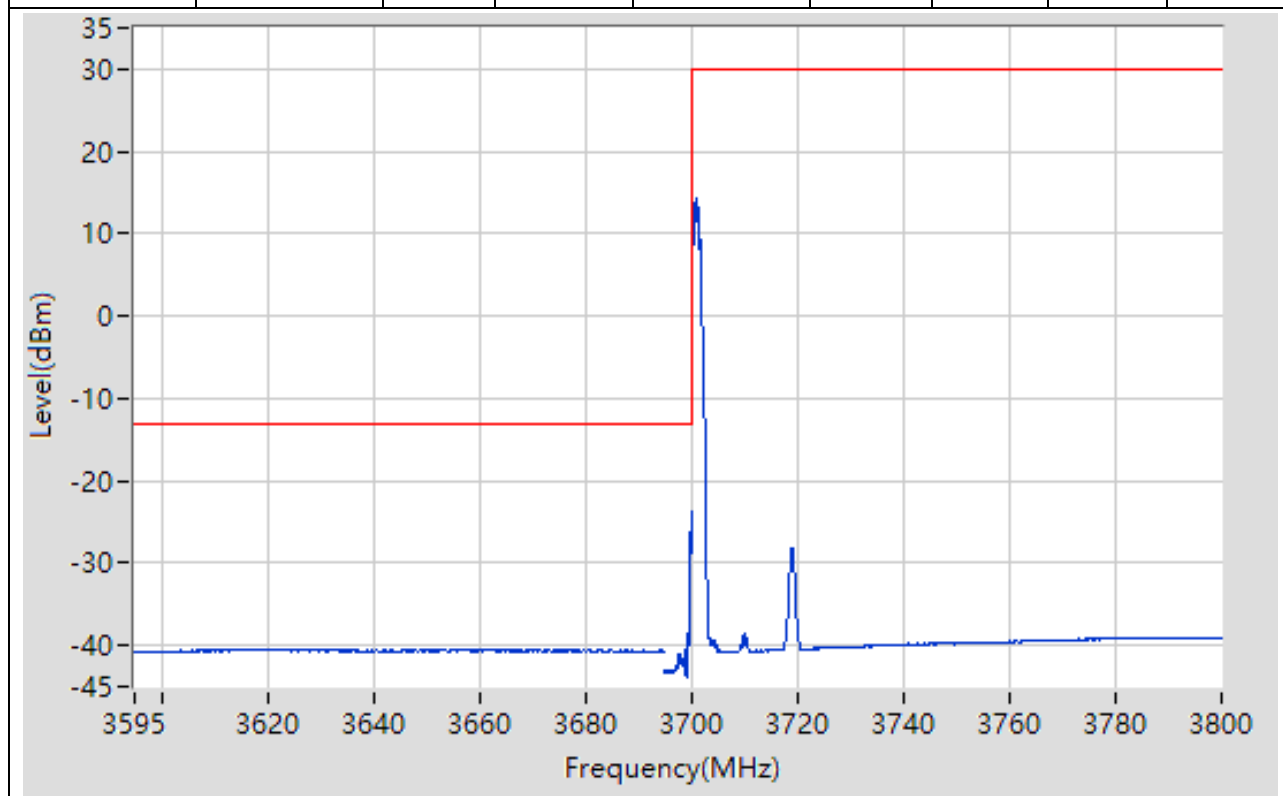
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detect or | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|-----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS       | 3519.833        | 0.14        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS       | 3550.142        | -43.42      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS       | 3553.48         | -38.51      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS       | 3562.333        | -36.16      | -13         | Pass    | 601         |



## 50. n77 30kHz(3700-3980MHz)\_MIMO-ANT1

50.1. Band Edge for SA(NTNV)(Subtest:1, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)

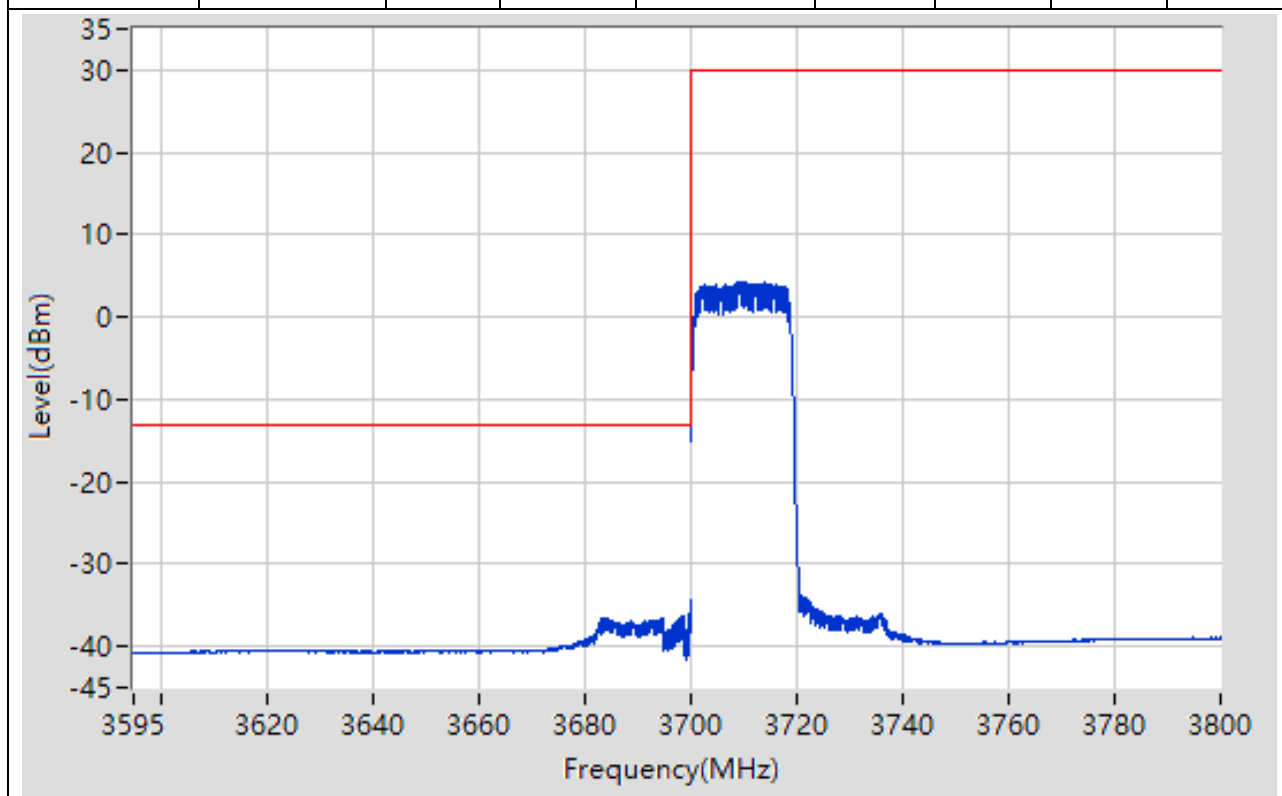
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3619.167        | -40.49      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.973        | -40.39      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.993        | -23.73      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3700.833        | 14.19       | 30          | Pass    | 601         |





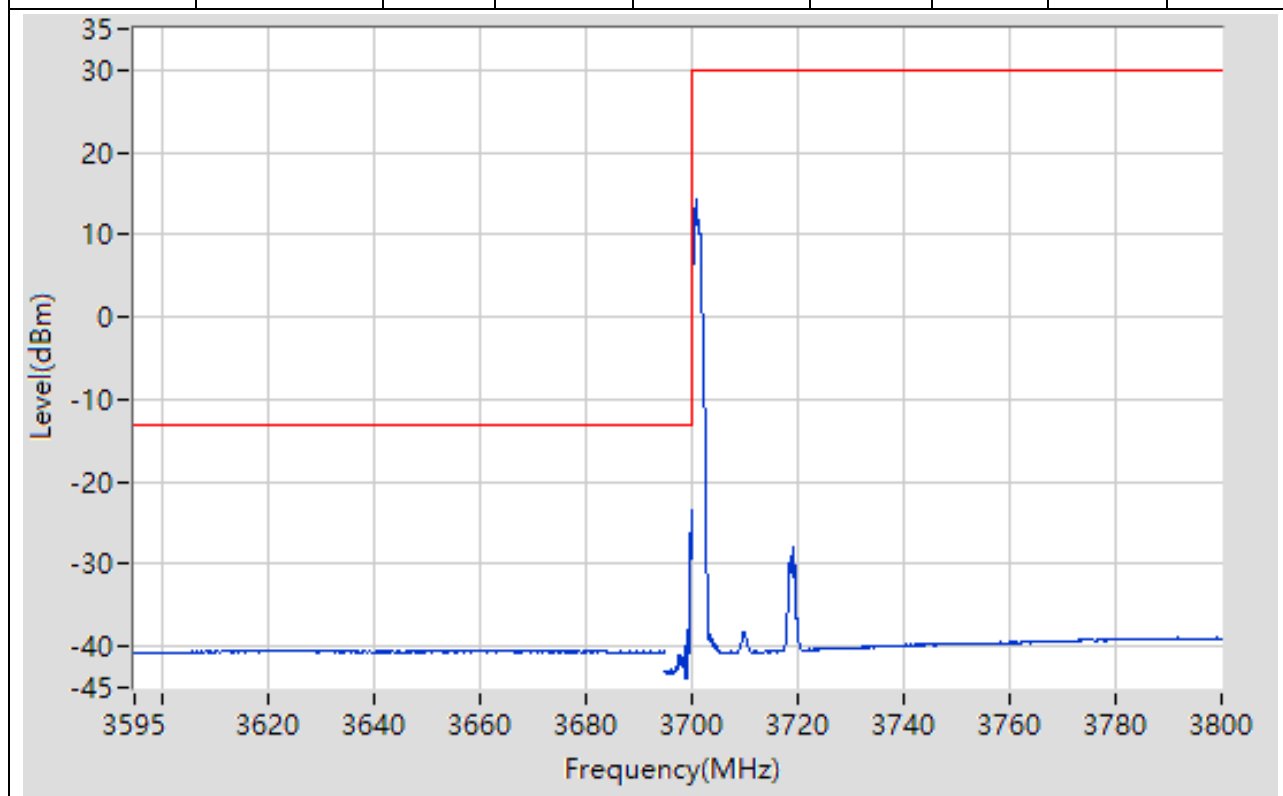
**50.2. Band Edge for SA(NTNV)(Subtest:2, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.833        | -36.51      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.7          | -36.26      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -34.46      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3709.667        | 4.27        | 30          | Pass    | 601         |



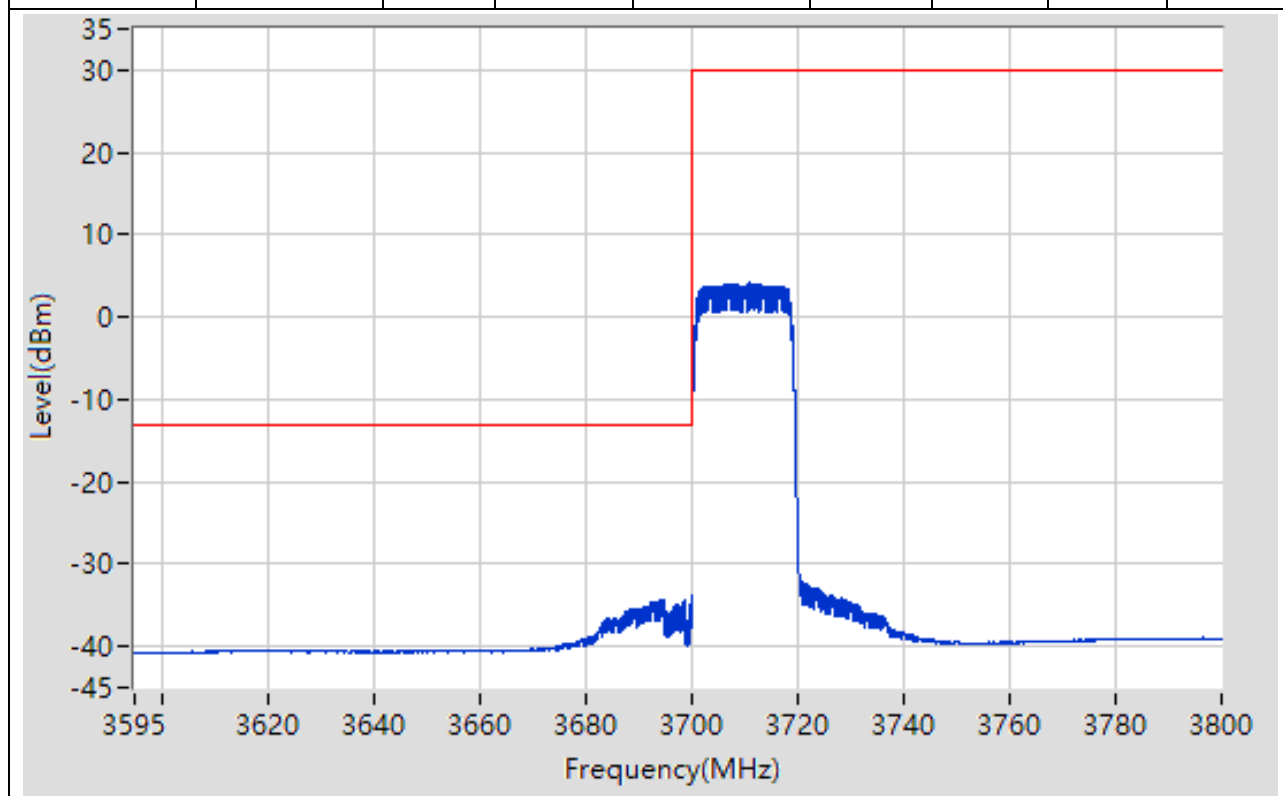
**50.3. Band Edge for SA(NTNV)(Subtest:3, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3625            | -40.43      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3699            | -39.99      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.997        | -23.42      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 14.37       | 30          | Pass    | 601         |



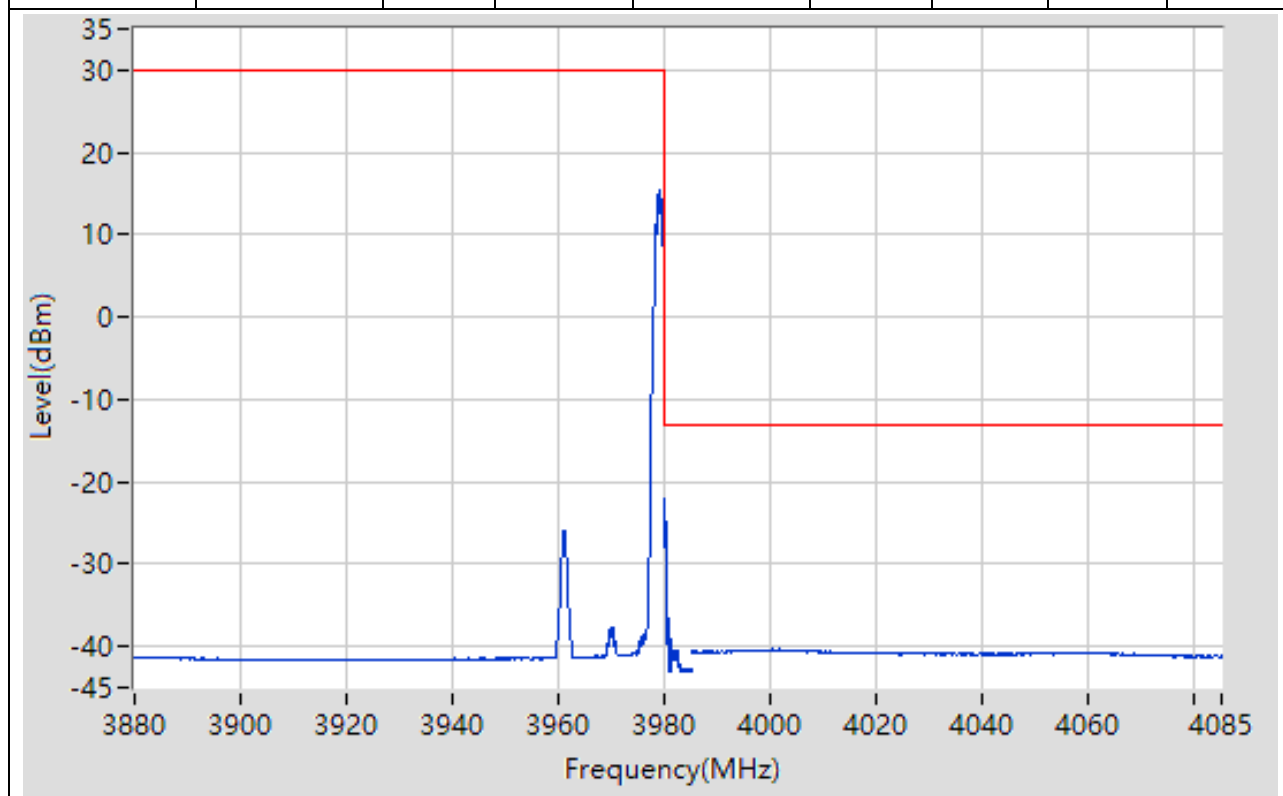
**50.4. Band Edge for SA(NTNV)(Subtest:4, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.833        | -34.29      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.74         | -34.47      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -33.8       | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3711.167        | 4.09        | 30          | Pass    | 601         |



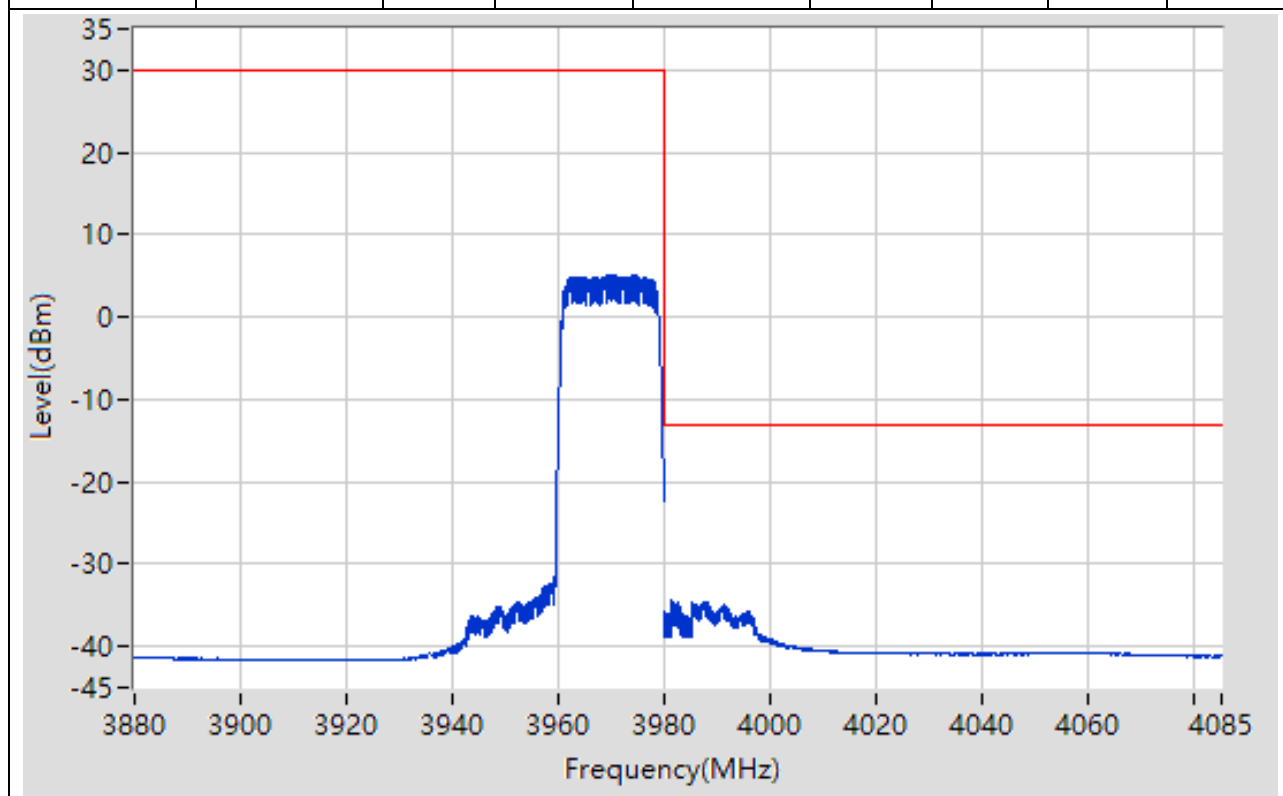
**50.5. Band Edge for SA(NTNV)(Subtest:5, Channel:664666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3978.833        | 15.3        | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980            | -21.98      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.007        | -39.05      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 4000.333        | -40.36      | -13         | Pass    | 601         |



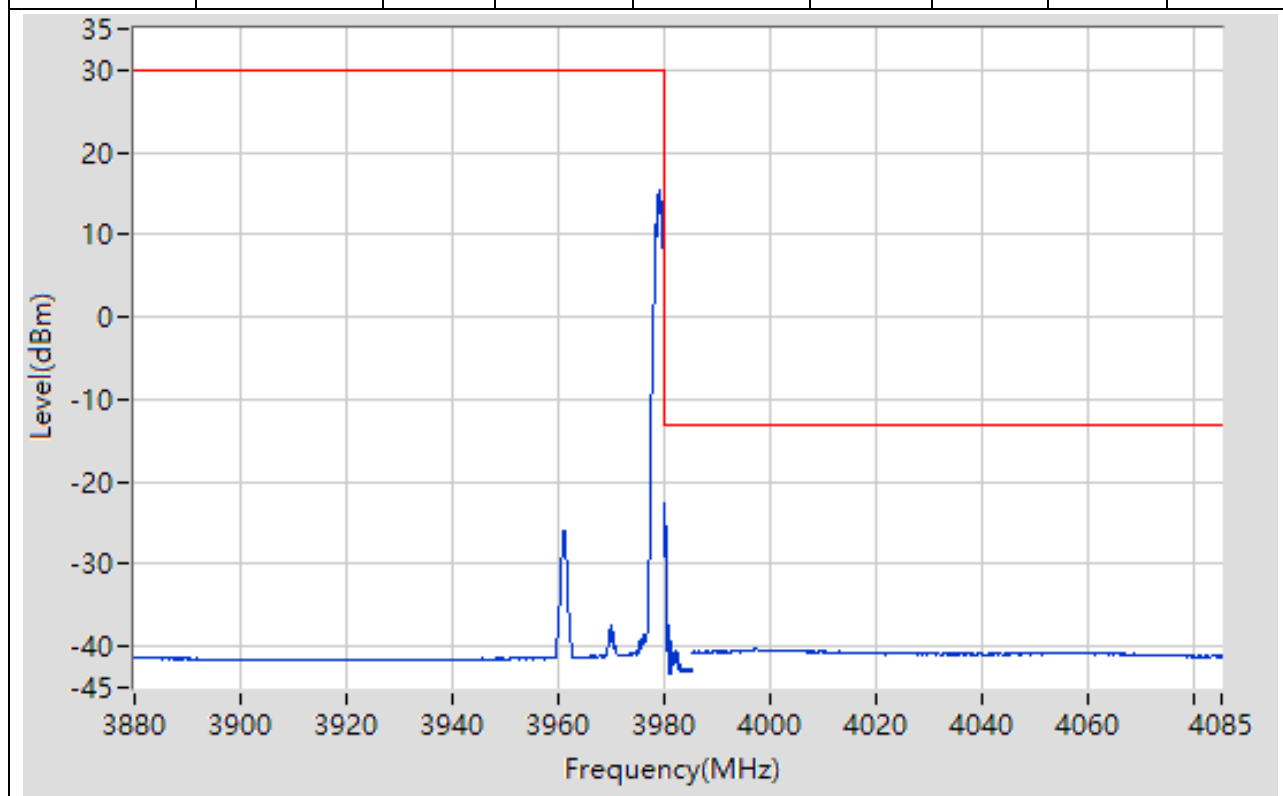
**50.6. Band Edge for SA(NTNV)(Subtest:6, Channel:664666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3969.667        | 5.2         | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.017        | -35.83      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.007        | -34.36      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3985.167        | -34.58      | -13         | Pass    | 601         |



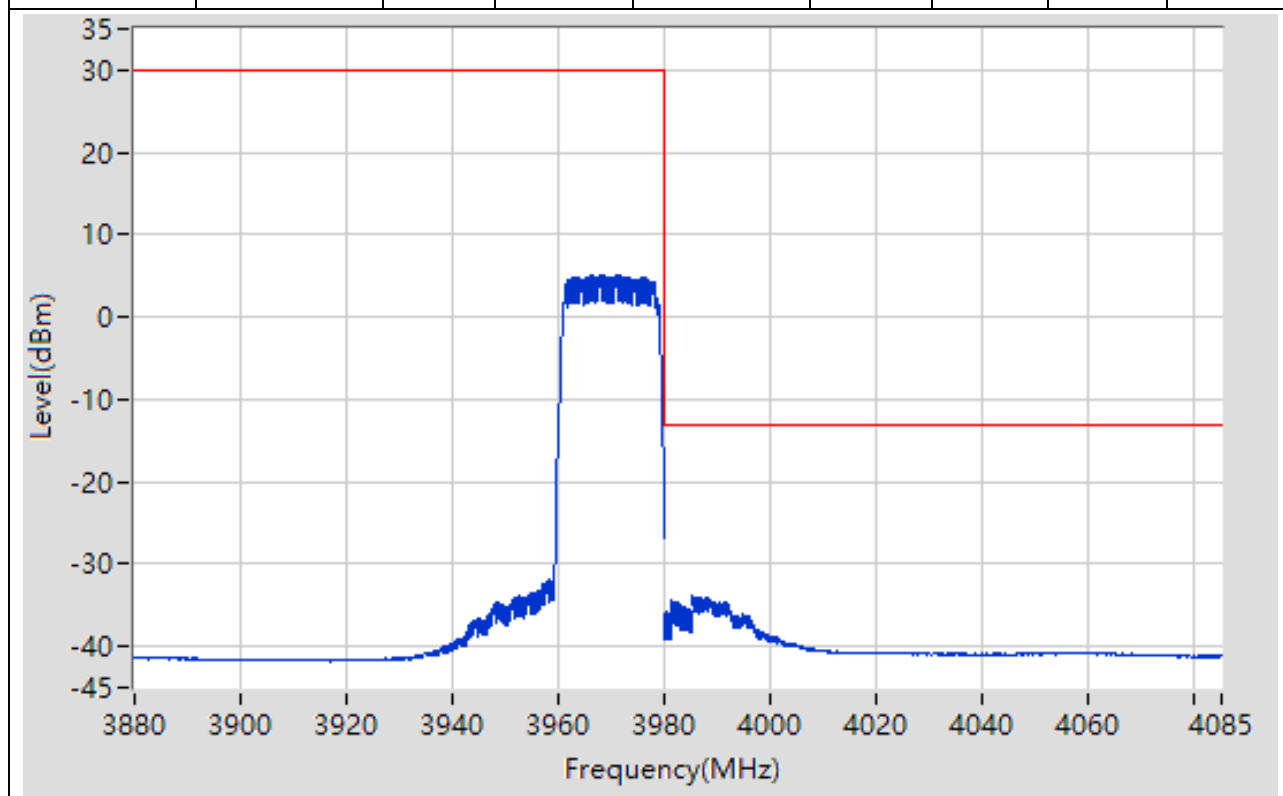
**50.7. Band Edge for SA(NTNV)(Subtest:7, Channel:664666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3978.833        | 15.32       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980            | -22.66      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.02         | -39.49      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3997.333        | -40.37      | -13         | Pass    | 601         |



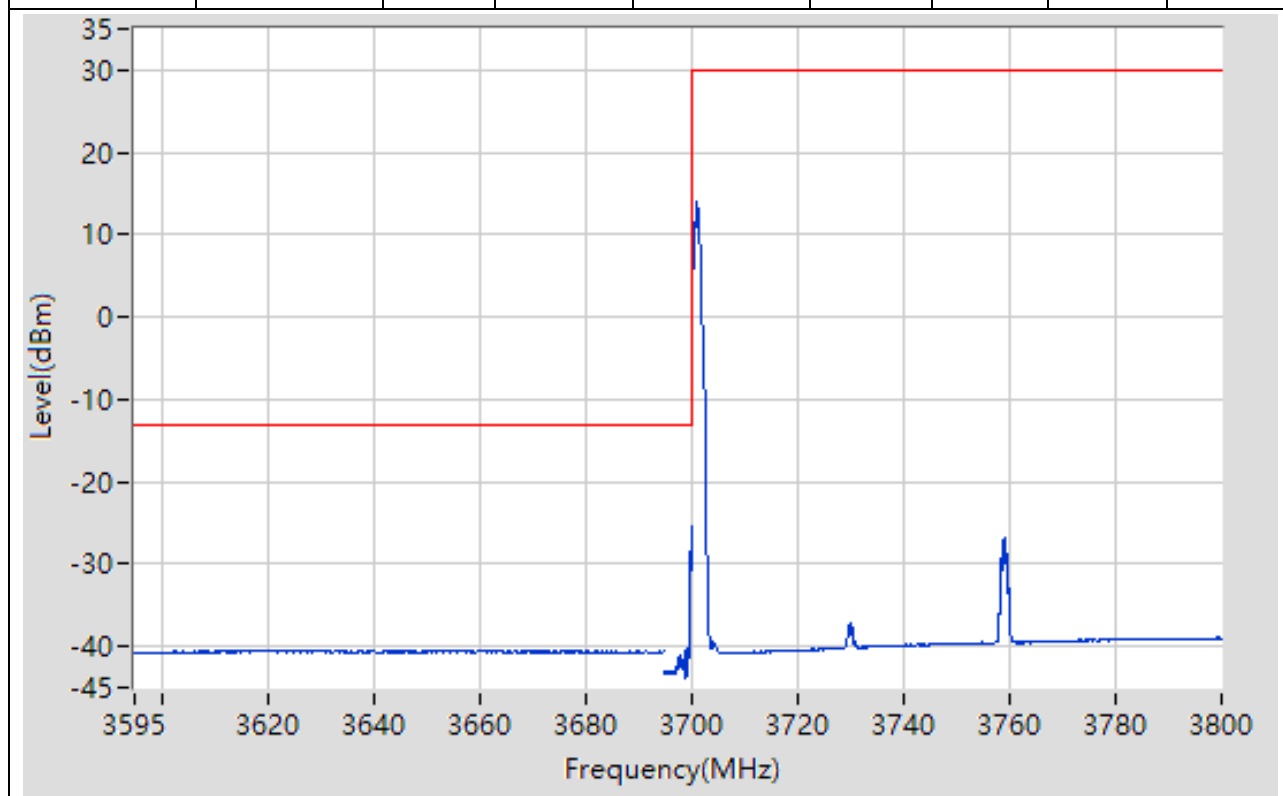
**50.8. Band Edge for SA(NTNV)(Subtest:8, Channel:664666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3971.333        | 5.13        | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.132        | -35.87      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.013        | -34.35      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3985            | -33.88      | -13         | Pass    | 601         |



**50.9. Band Edge for SA(NTNV)(Subtest:1, Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

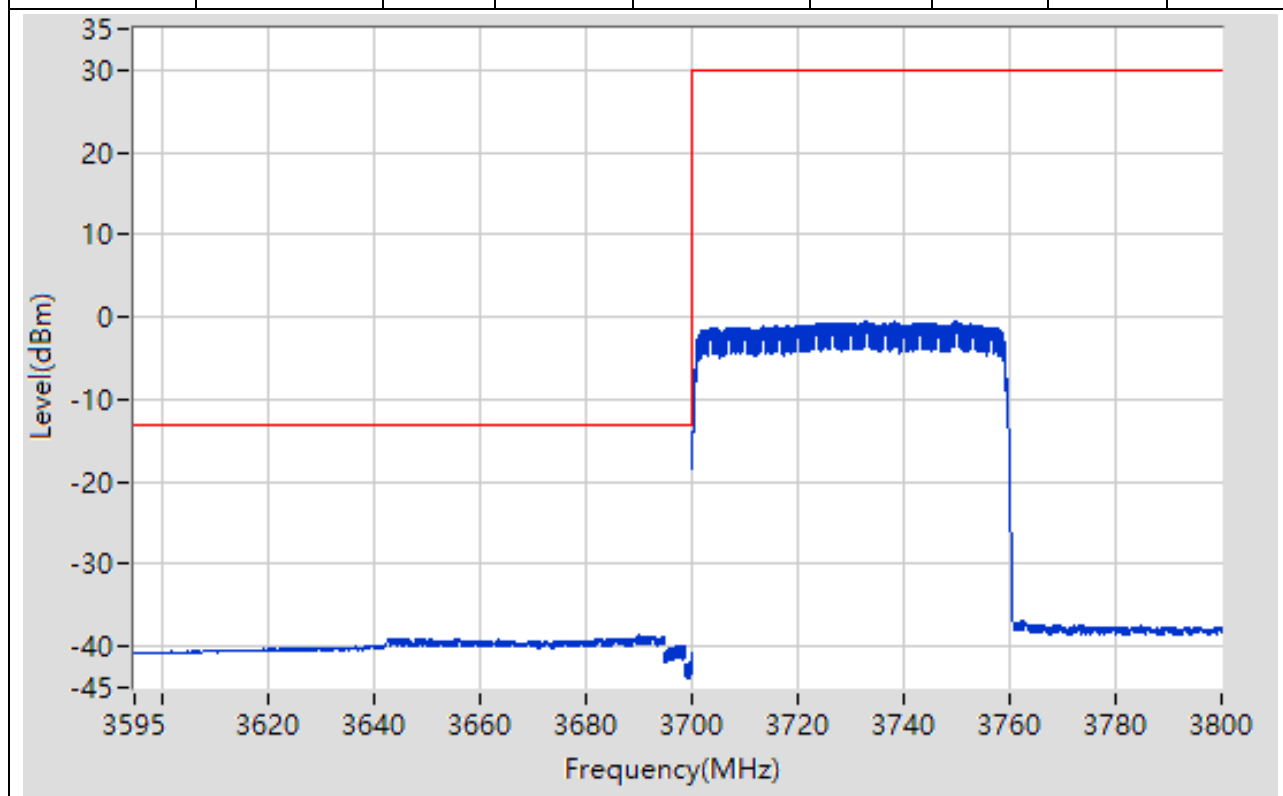
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3629.333        | -40.5       | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3699            | -40.39      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -25.44      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 14.09       | 30          | Pass    | 601         |





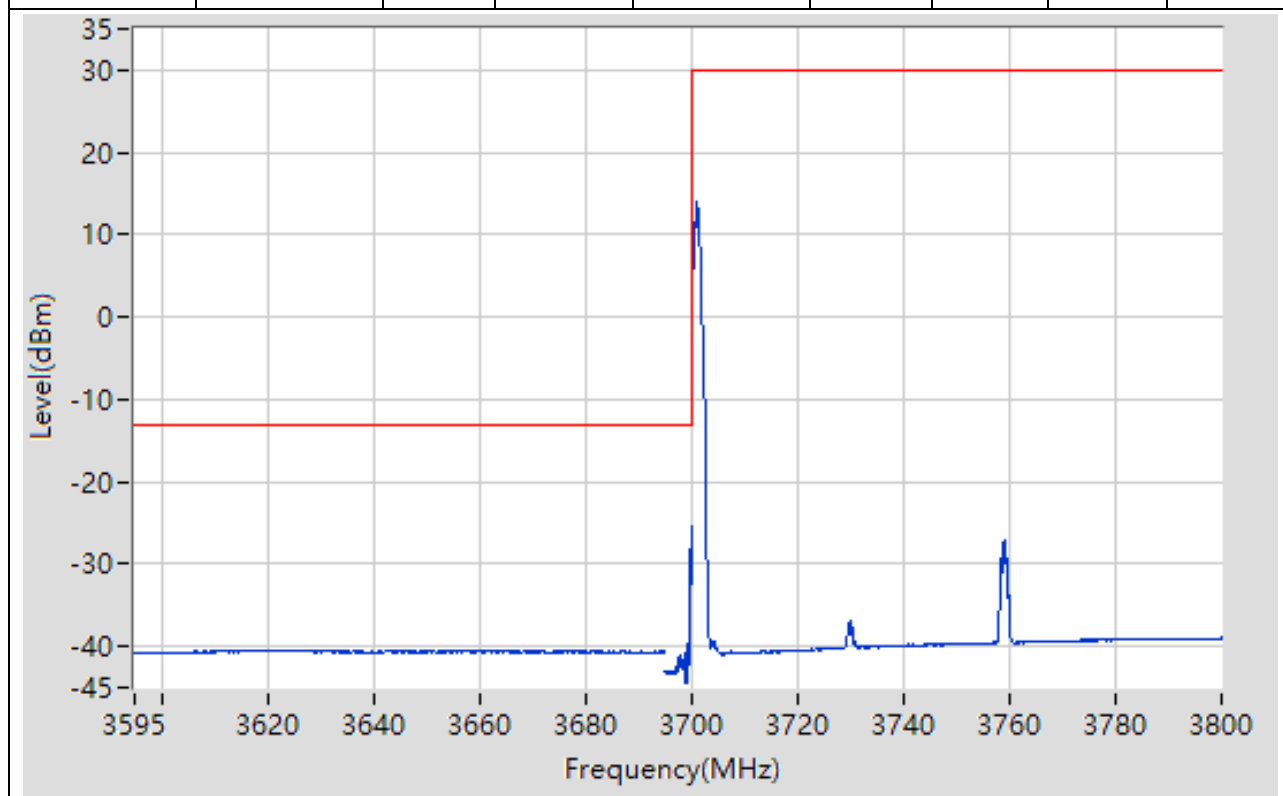
**50.10. Band Edge for SA(NTNV)(Subtest:2, Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3690.333        | -38.69      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3697.46         | -39.97      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -40.9       | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3733            | -0.57       | 30          | Pass    | 601         |



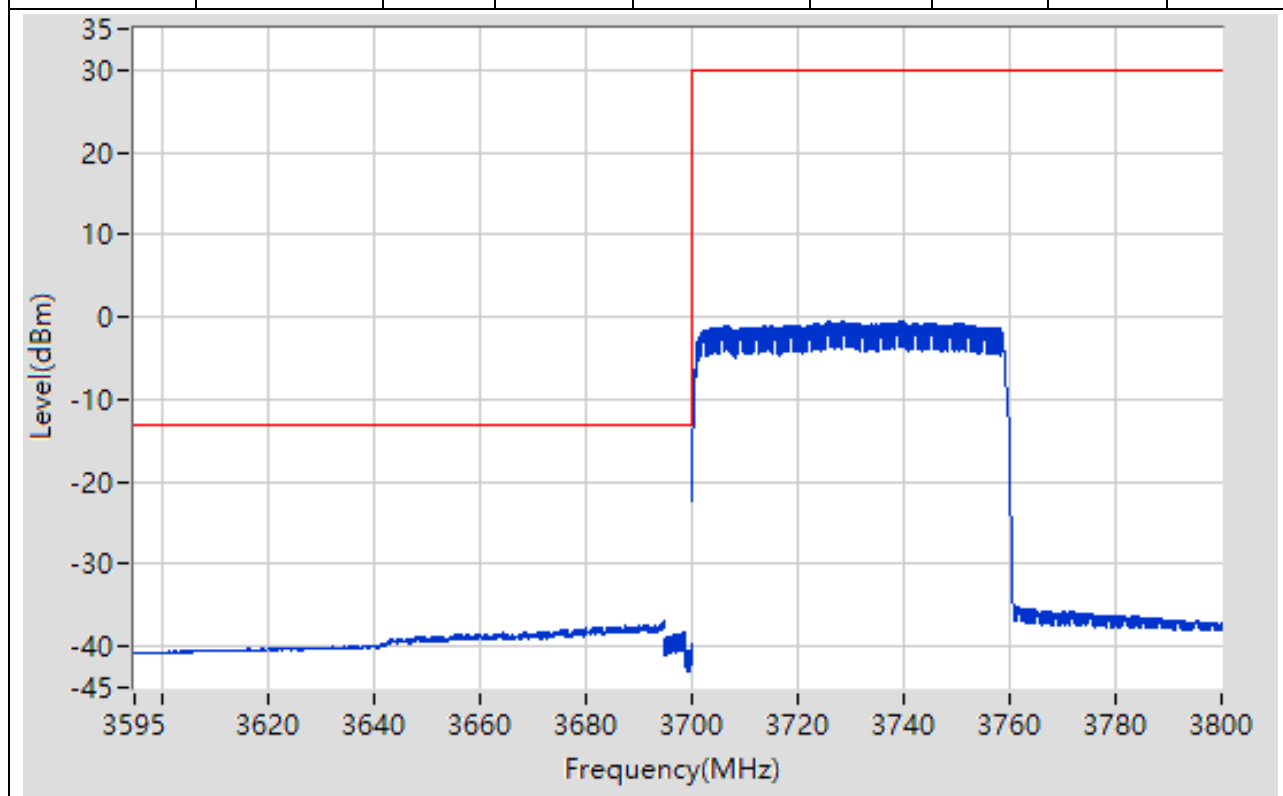
**50.11. Band Edge for SA(NTNV)(Subtest:3, Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3642.667        | -40.5       | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.987        | -40.68      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -25.39      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 14.08       | 30          | Pass    | 601         |



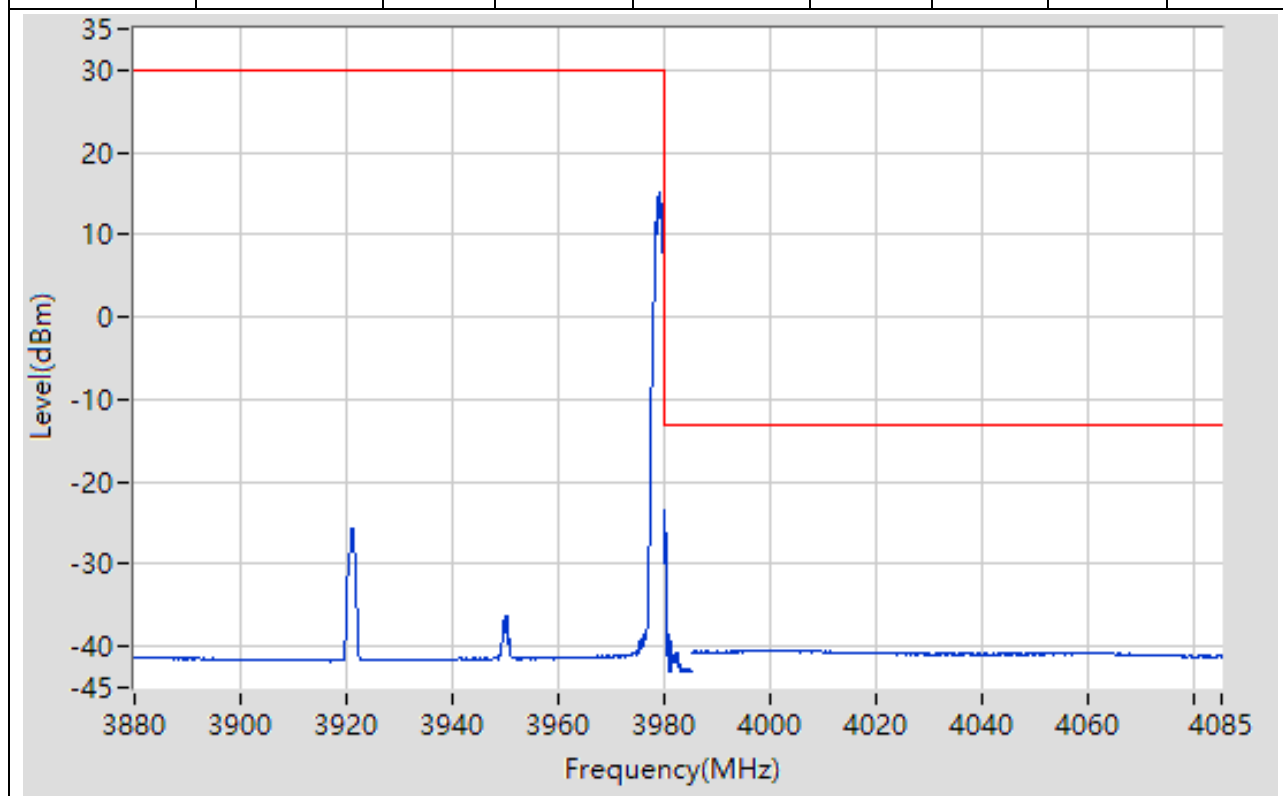
**50.12. Band Edge for SA(NTNV)(Subtest:4, Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.833        | -36.96      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.46         | -38.31      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -39.59      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3739.667        | -0.46       | 30          | Pass    | 601         |



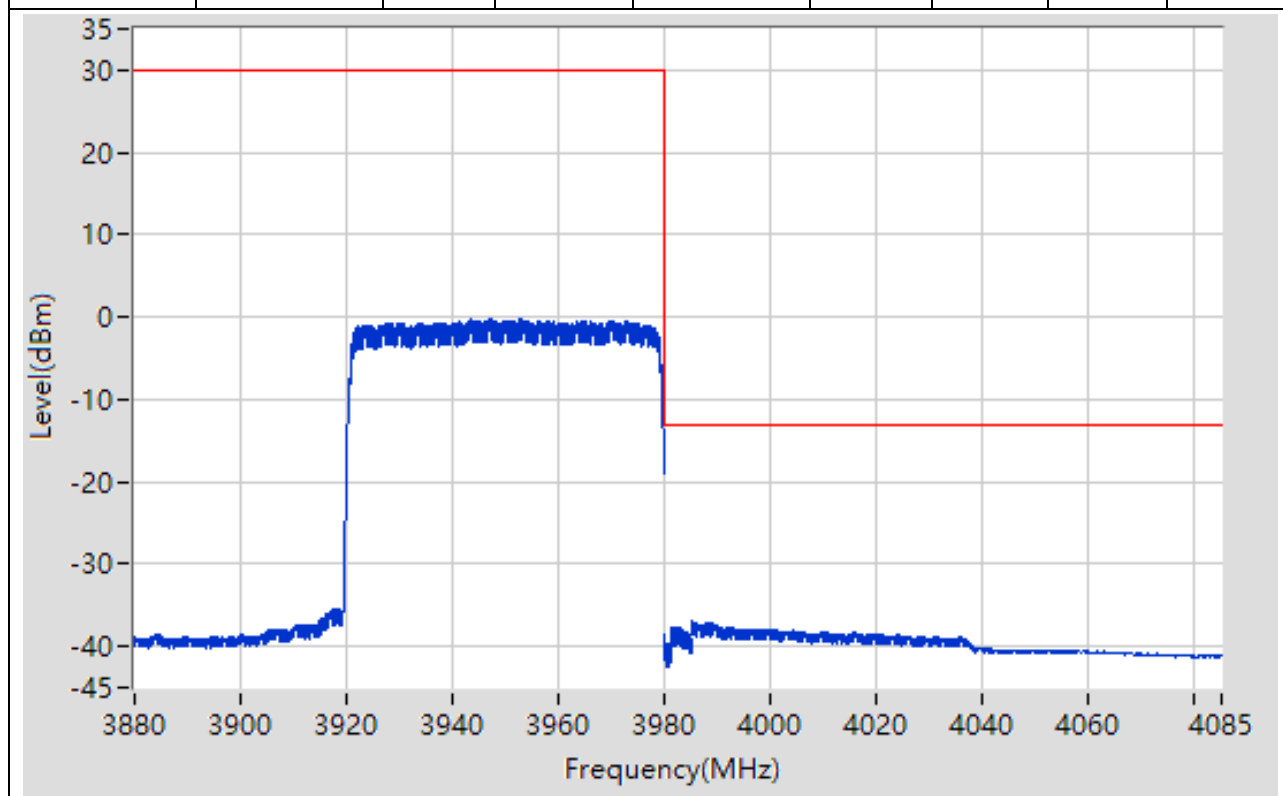
**50.13. Band Edge for SA(NTNV)(Subtest:5, Channel:663332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3978.833        | 15.23       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980            | -23.33      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.013        | -39.46      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 4001.167        | -40.46      | -13         | Pass    | 601         |



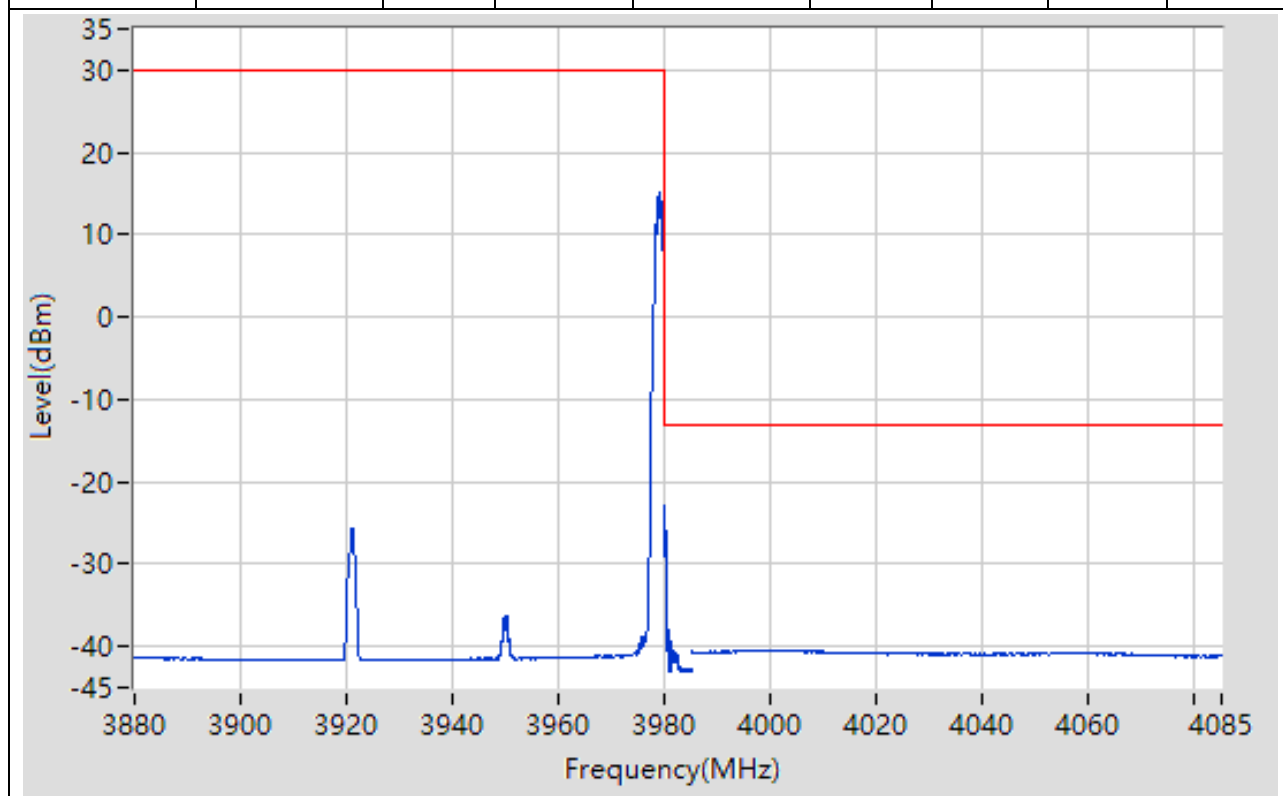
**50.14. Band Edge for SA(NTNV)(Subtest:6, Channel:663332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3952.833        | -0.21       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980            | -38.63      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3982.687        | -37.64      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3985            | -36.86      | -13         | Pass    | 601         |



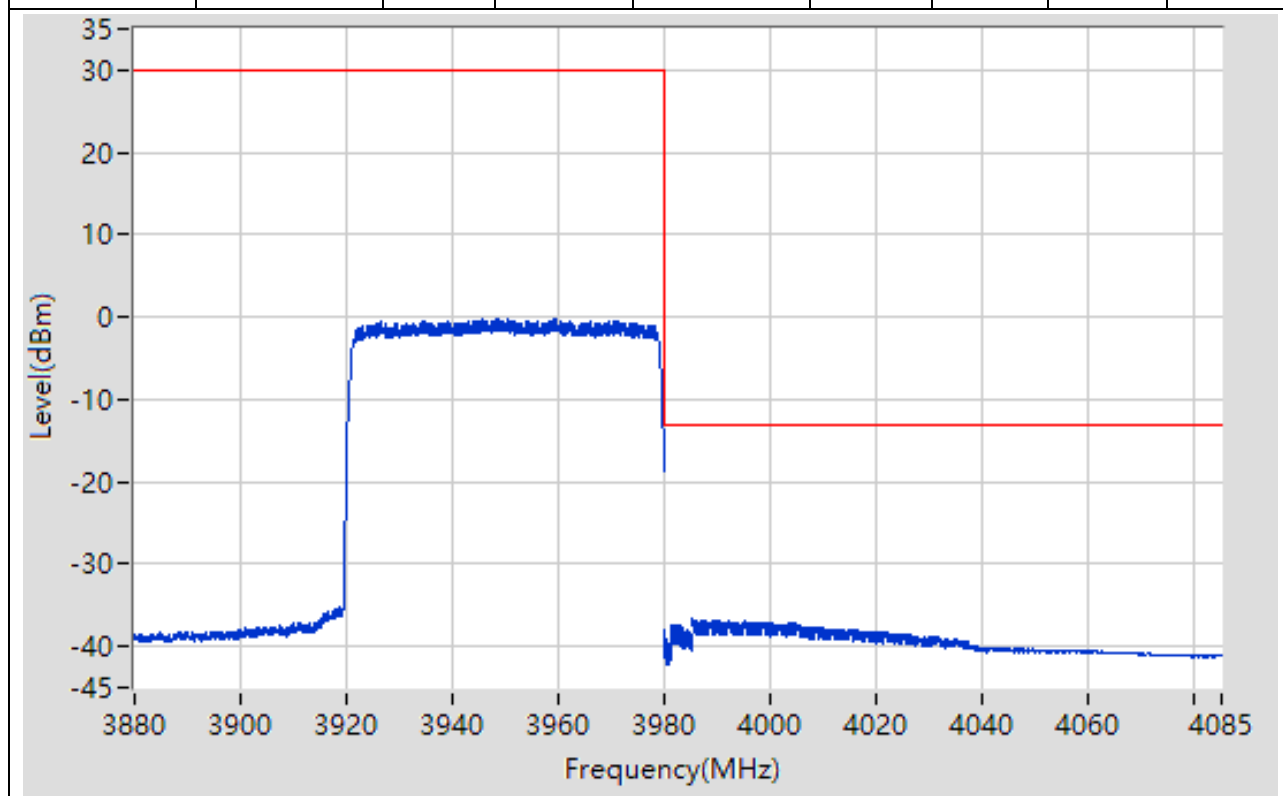
**50.15. Band Edge for SA(NTNV)(Subtest:7, Channel:663332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3978.833        | 15.21       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980            | -22.96      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.013        | -39.42      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 4000.5          | -40.44      | -13         | Pass    | 601         |



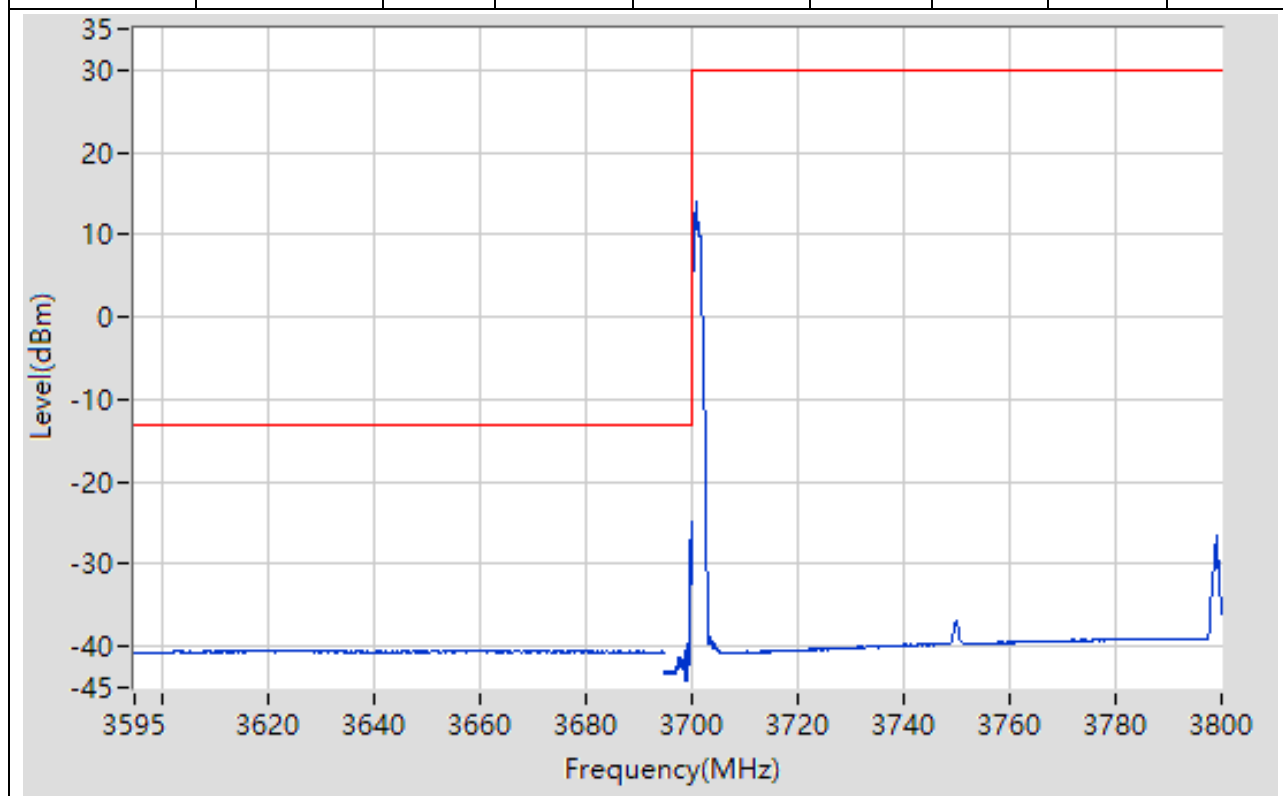
**50.16. Band Edge for SA(NTNV)(Subtest:8, Channel:663332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3959.667        | -0.26       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.005        | -38.03      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.347        | -37.38      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3985            | -36.59      | -13         | Pass    | 601         |



**50.17. Band Edge for SA(NTNV)(Subtest:1, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

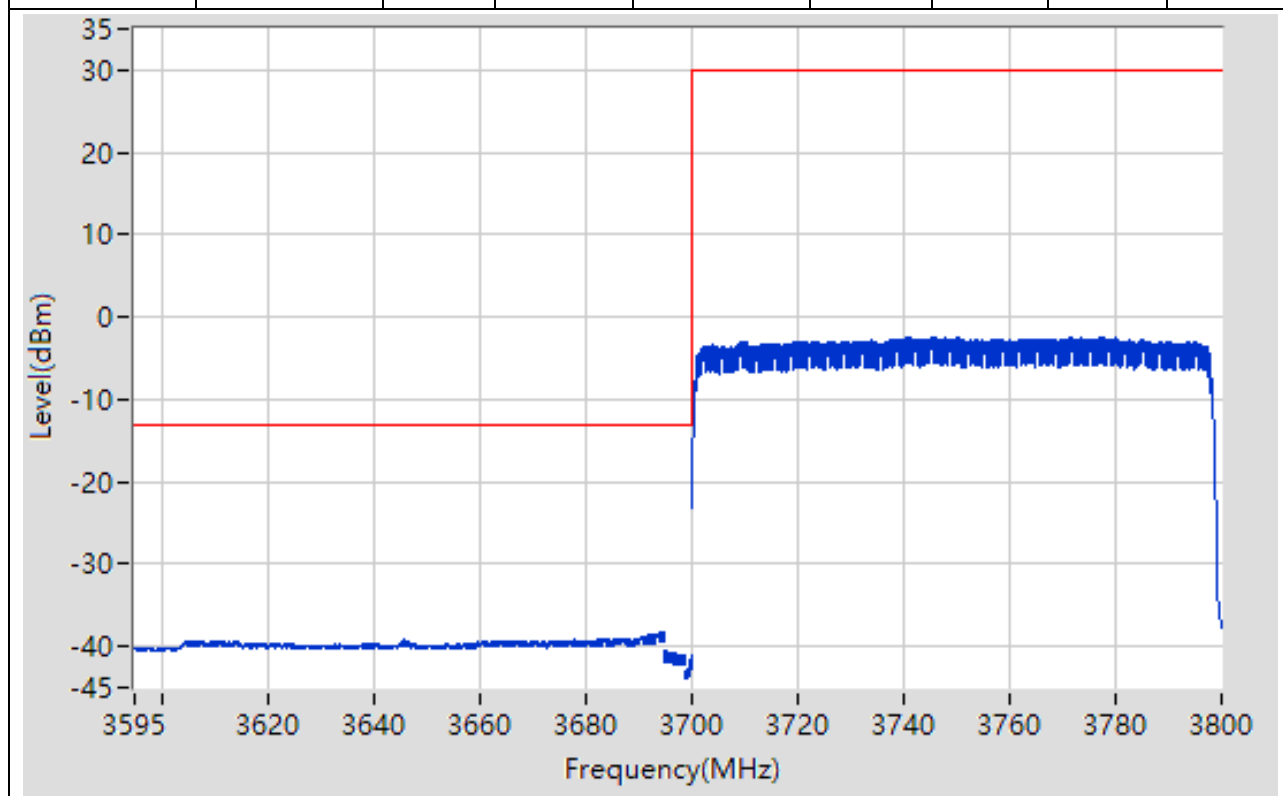
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3619.333        | -40.48      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.913        | -40.65      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.995        | -24.85      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 13.91       | 30          | Pass    | 601         |





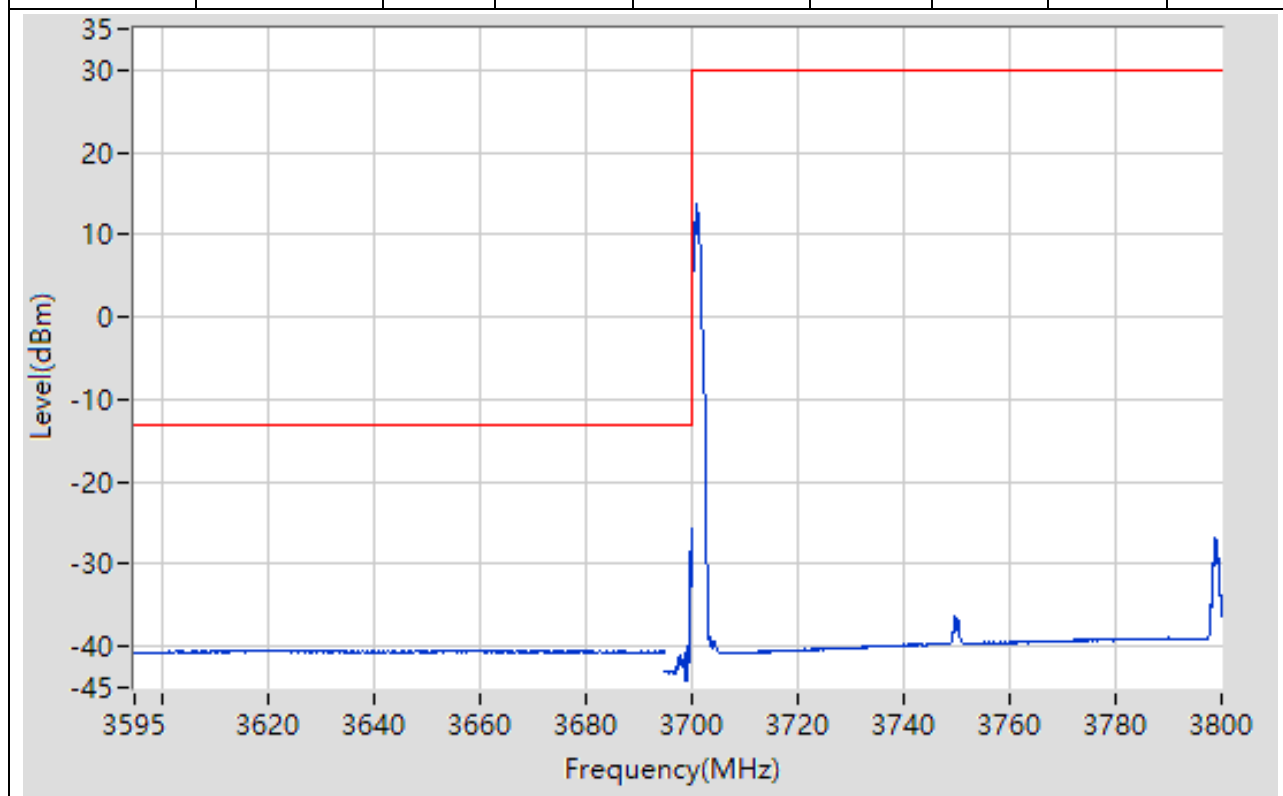
**50.18. Band Edge for SA(NTNV)(Subtest:2, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.5          | -38.32      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3695.047        | -40.53      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -41.2       | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3745.833        | -2.49       | 30          | Pass    | 601         |



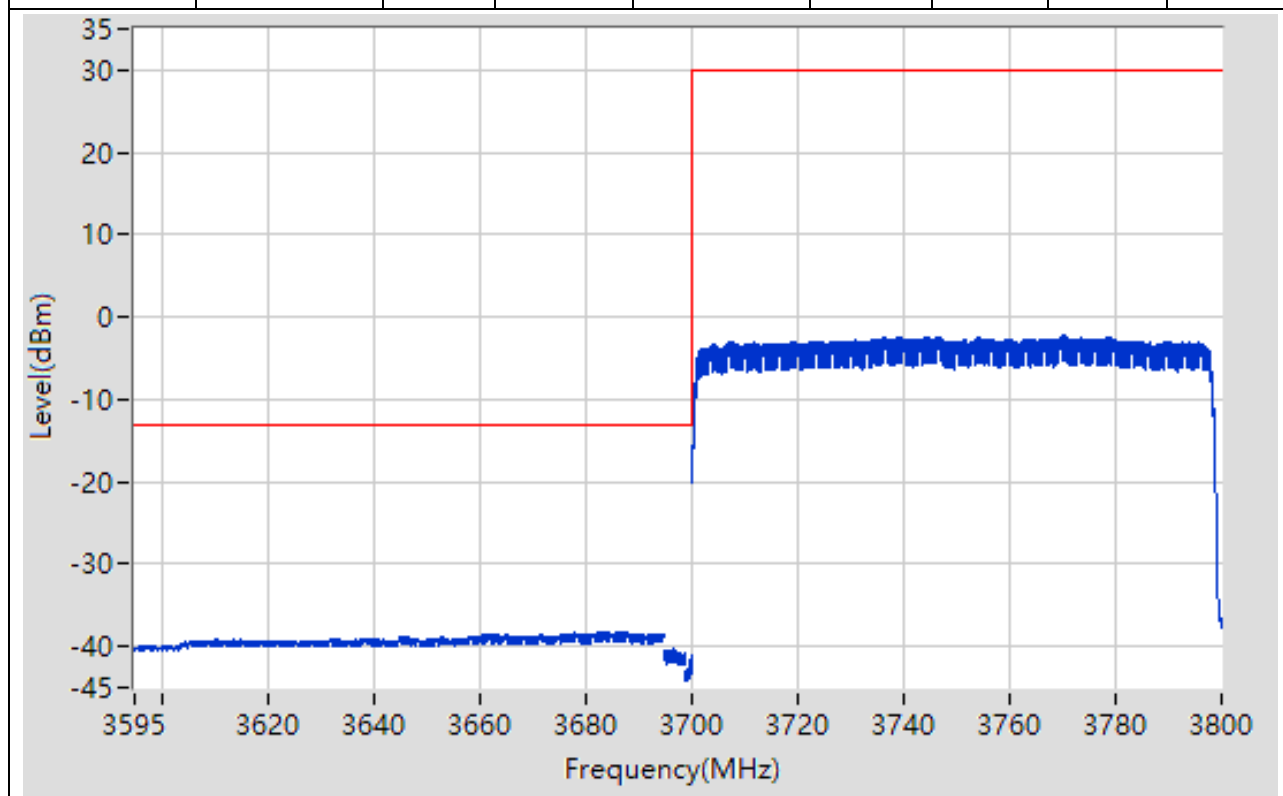
**50.19. Band Edge for SA(NTNV)(Subtest:3, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3620.833        | -40.5       | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.973        | -40.83      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -25.68      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 13.83       | 30          | Pass    | 601         |



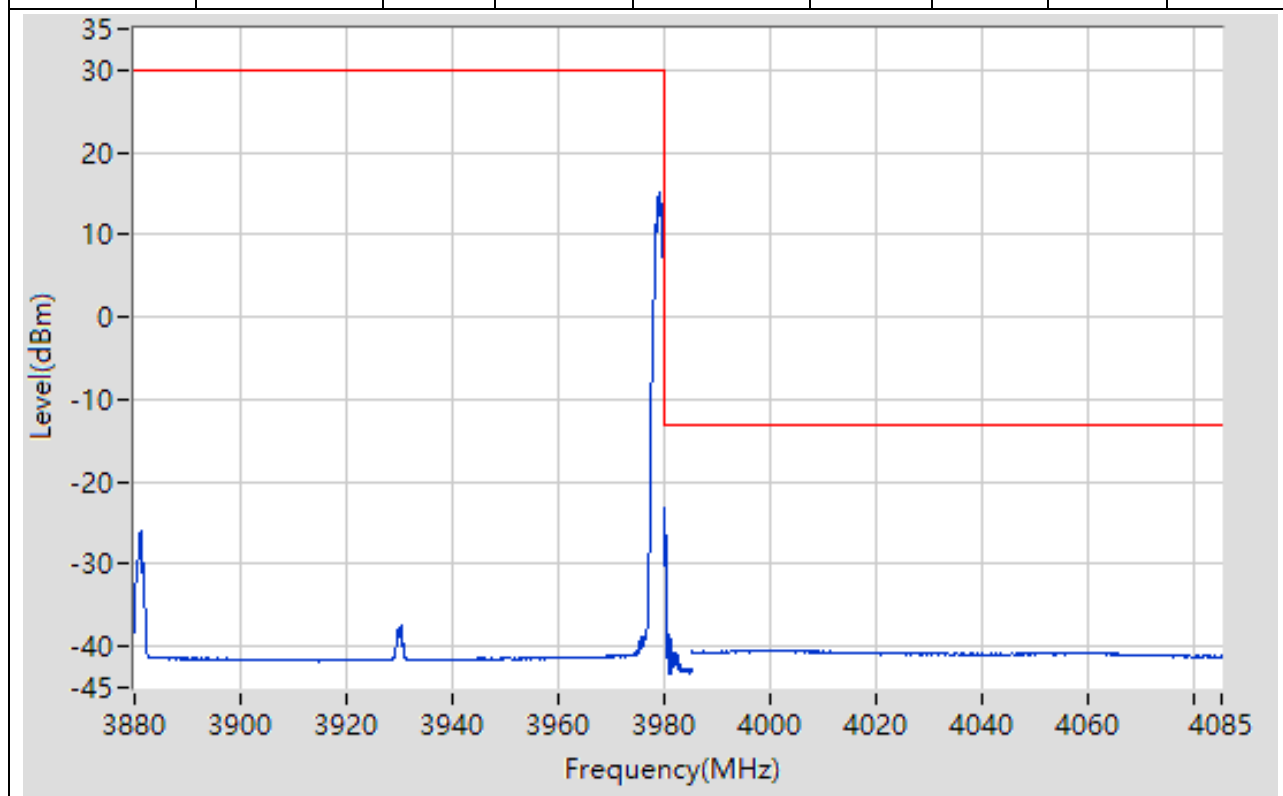
**50.20. Band Edge for SA(NTNV)(Subtest:4, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3686.833        | -38.21      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3696.767        | -40.38      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.942        | -41.07      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3770.167        | -2.26       | 30          | Pass    | 601         |



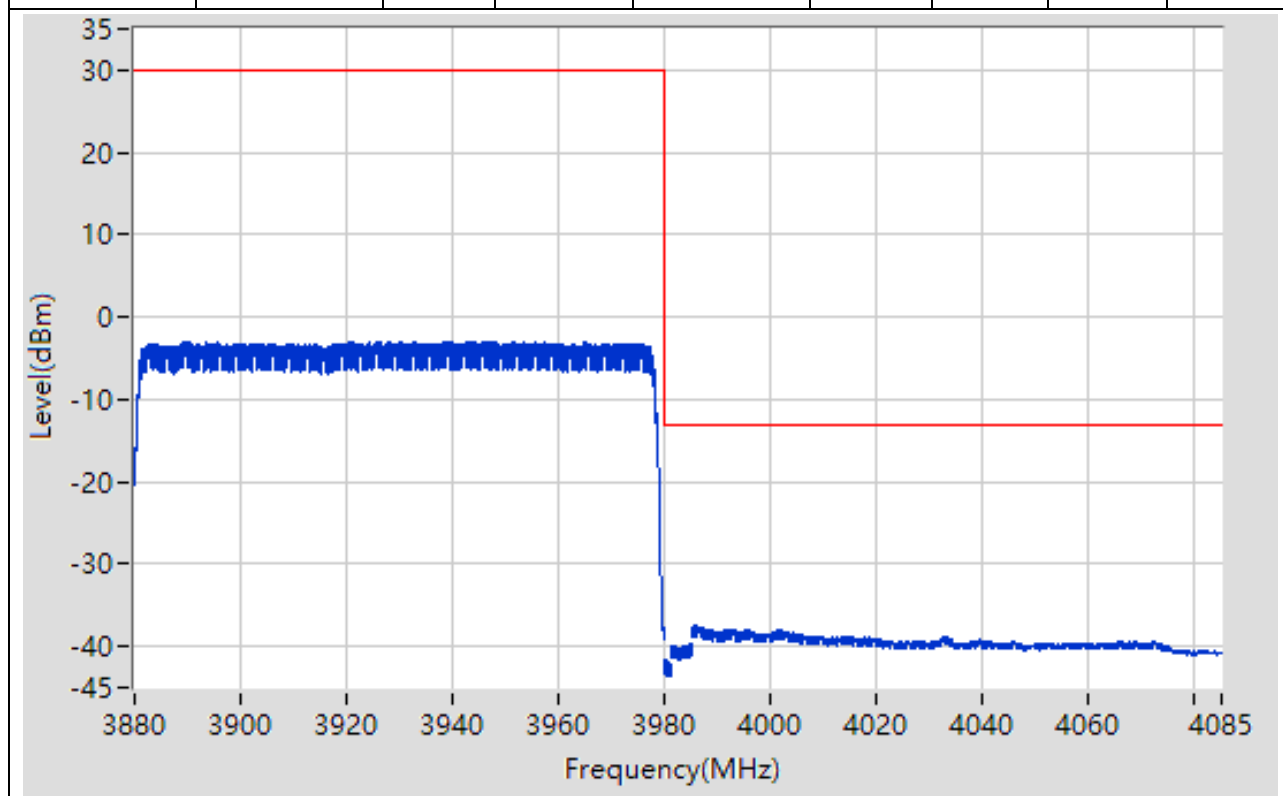
**50.21. Band Edge for SA(NTNV)(Subtest:5, Channel:662000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3978.833        | 15.02       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.013        | -23.26      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.013        | -39.18      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 4002.833        | -40.45      | -13         | Pass    | 601         |



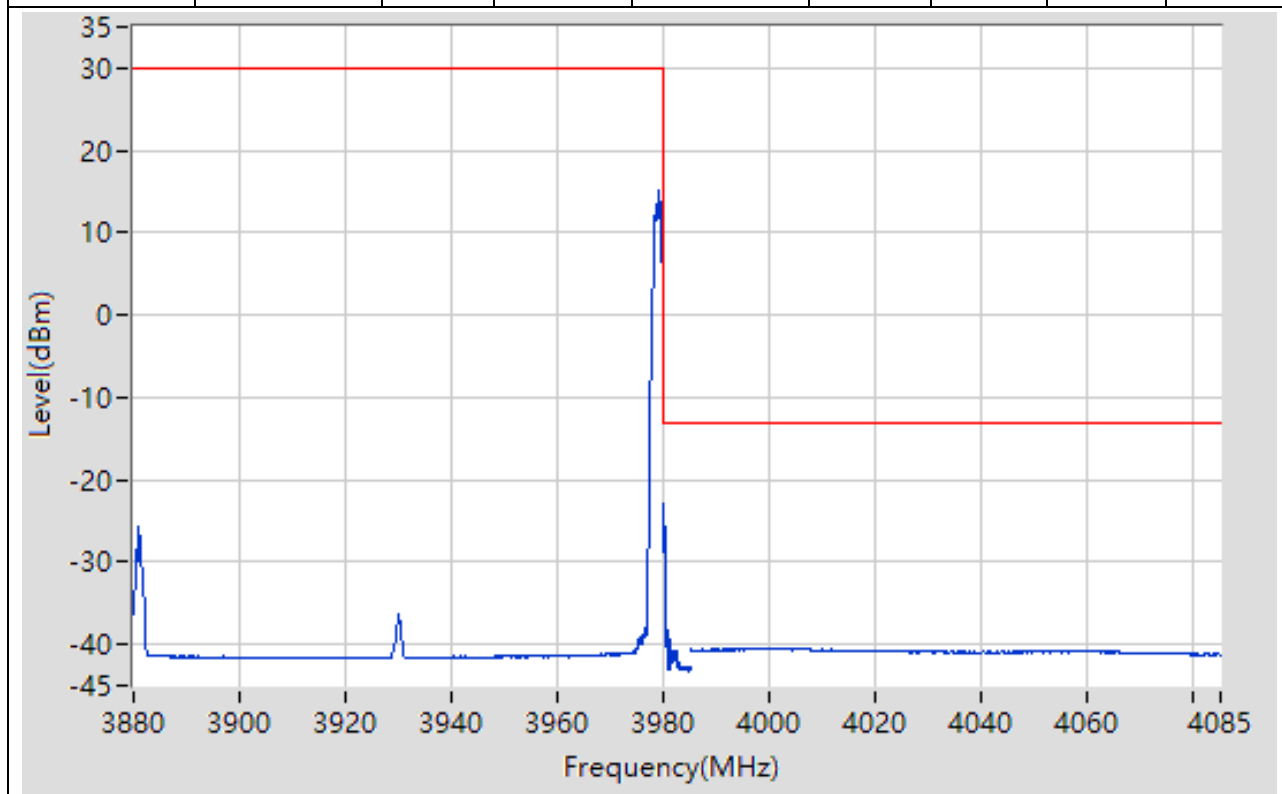
**50.22. Band Edge for SA(NTNV)(Subtest:6, Channel:662000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3943.667        | -2.95       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.098        | -41.72      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3984.94         | -39.65      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3985.333        | -37.46      | -13         | Pass    | 601         |



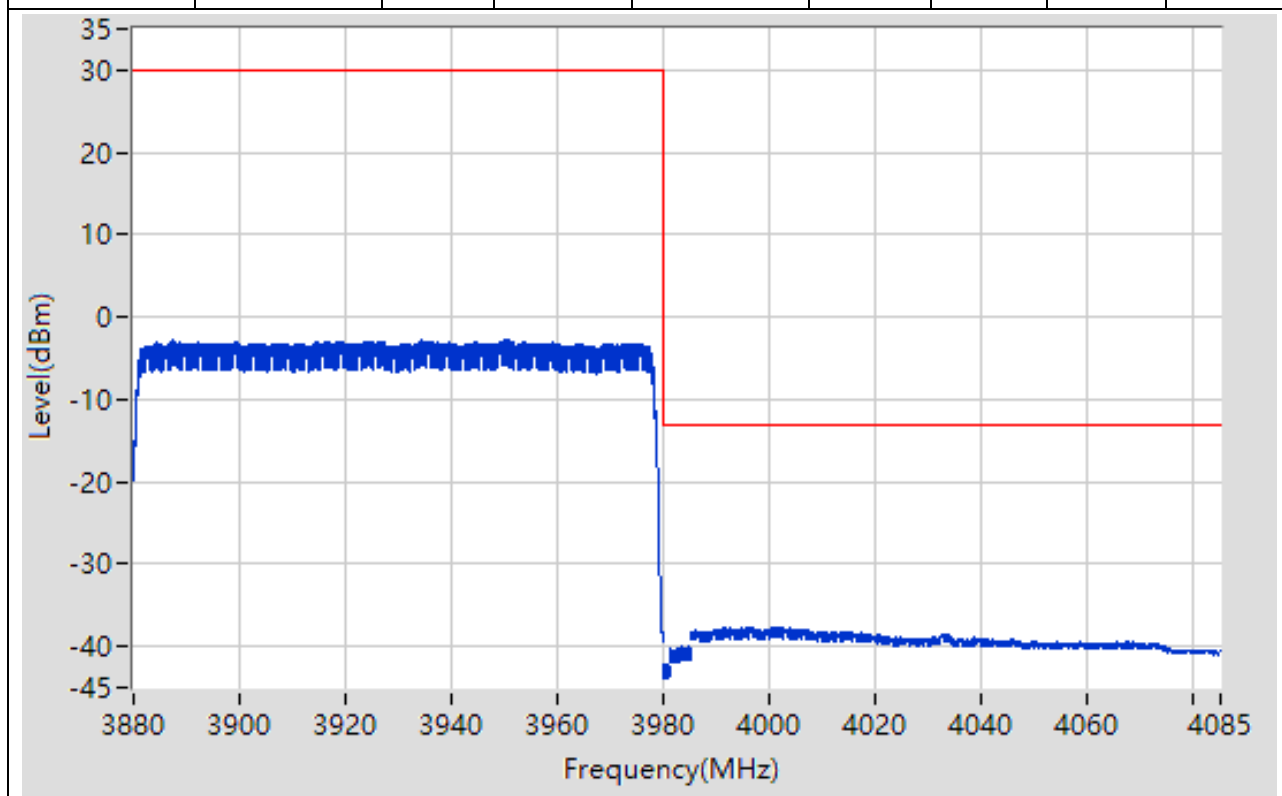
**50.23. Band Edge for SA(NTNV)(Subtest:7, Channel:662000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3979            | 15.26       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980            | -22.88      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.02         | -39.32      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 4001.833        | -40.43      | -13         | Pass    | 601         |



**50.24. Band Edge for SA(NTNV)(Subtest:8, Channel:662000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

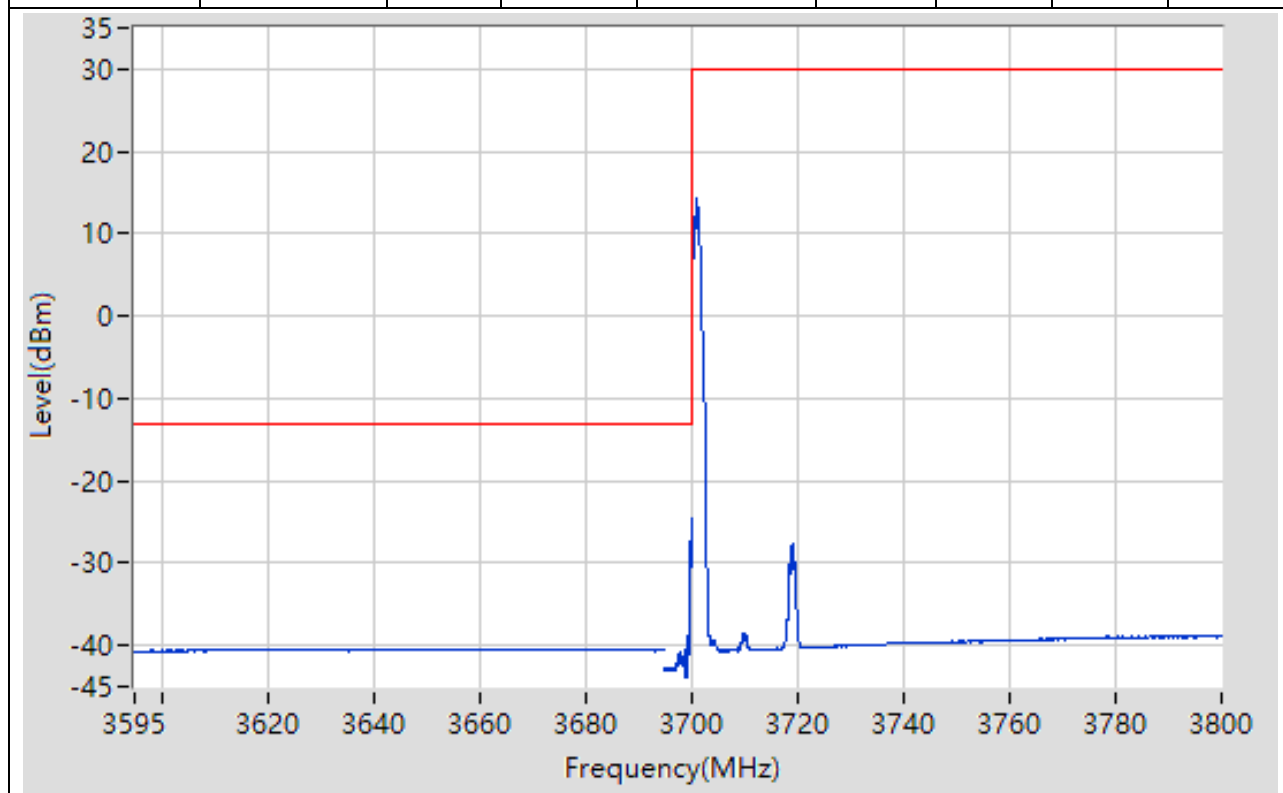
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3950.167        | -2.74       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.943        | -42.26      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3983.433        | -40.03      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 4001.333        | -37.68      | -13         | Pass    | 601         |



## 51. n77 30kHz(3700-3980MHz)\_MIMO-ANT4

51.1. Band Edge for SA(NTNV)(Subtest:1, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)

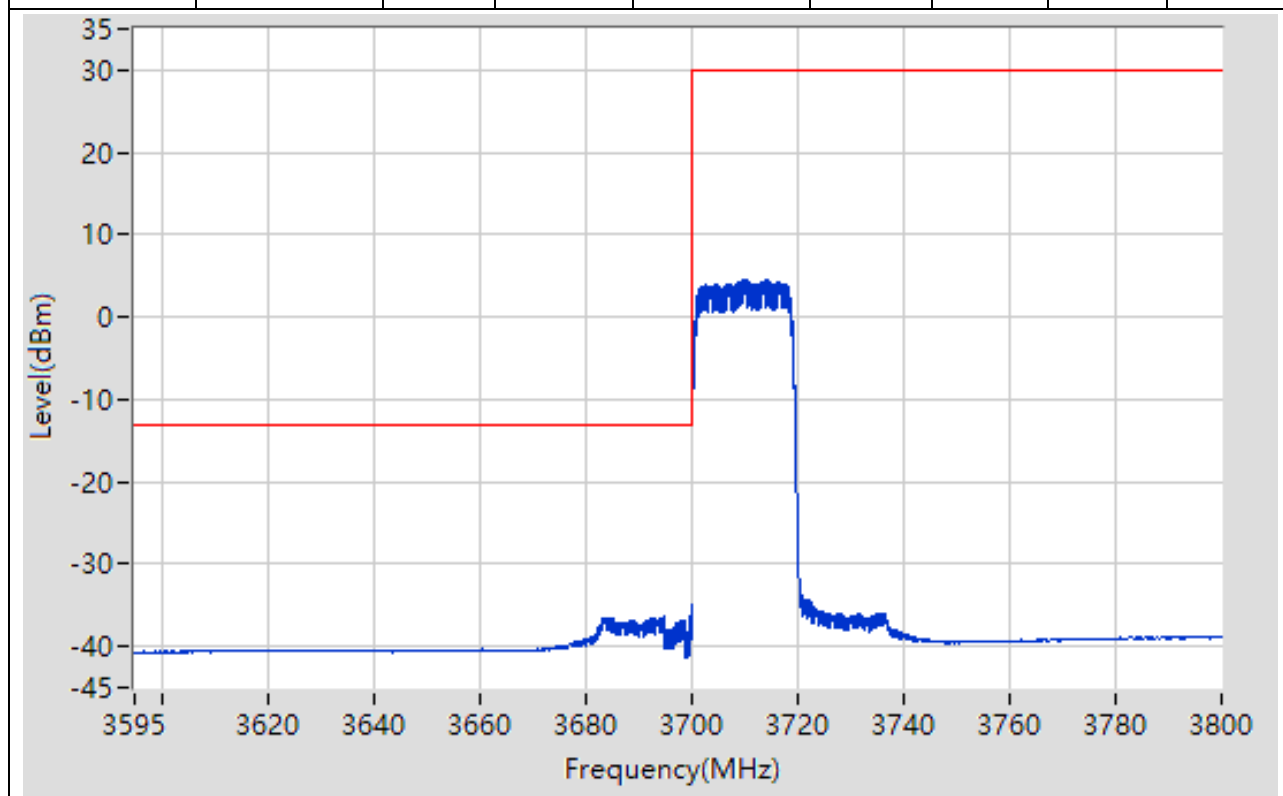
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3618            | -40.42      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.993        | -40.4       | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -24.47      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 14.33       | 30          | Pass    | 601         |





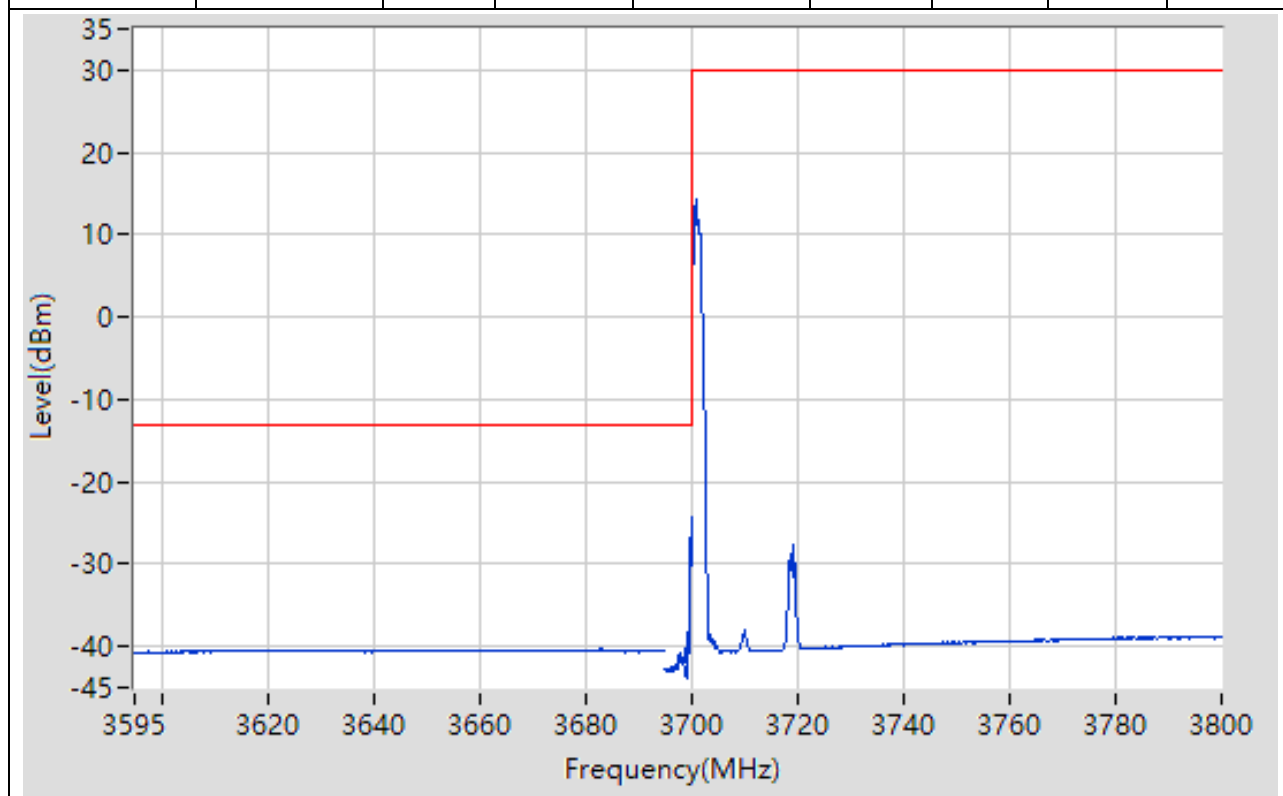
**51.2. Band Edge for SA(NTNV)(Subtest:2, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3695            | -36.42      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.68         | -36.78      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -35.05      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3709.667        | 4.57        | 30          | Pass    | 601         |



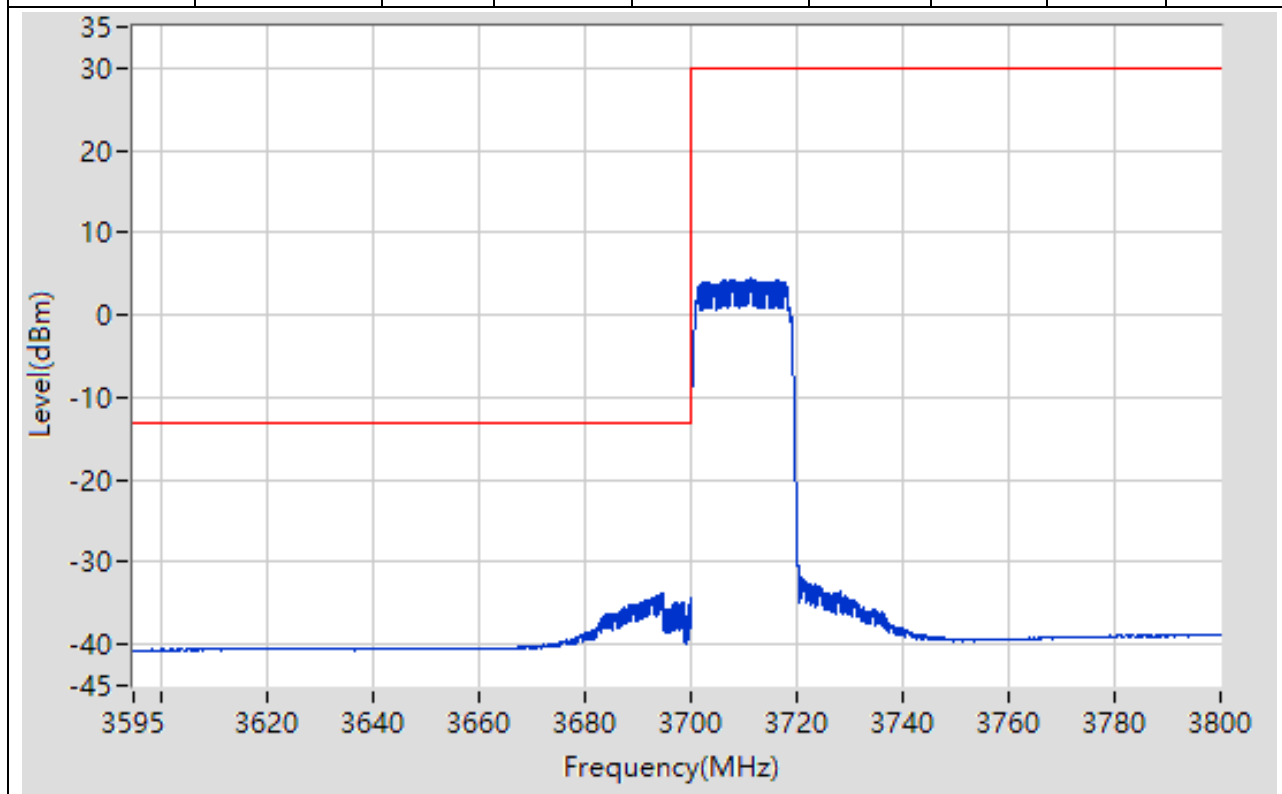
**51.3. Band Edge for SA(NTNV)(Subtest:3, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3683            | -40.35      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.987        | -40.28      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.997        | -24.3       | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 14.42       | 30          | Pass    | 601         |



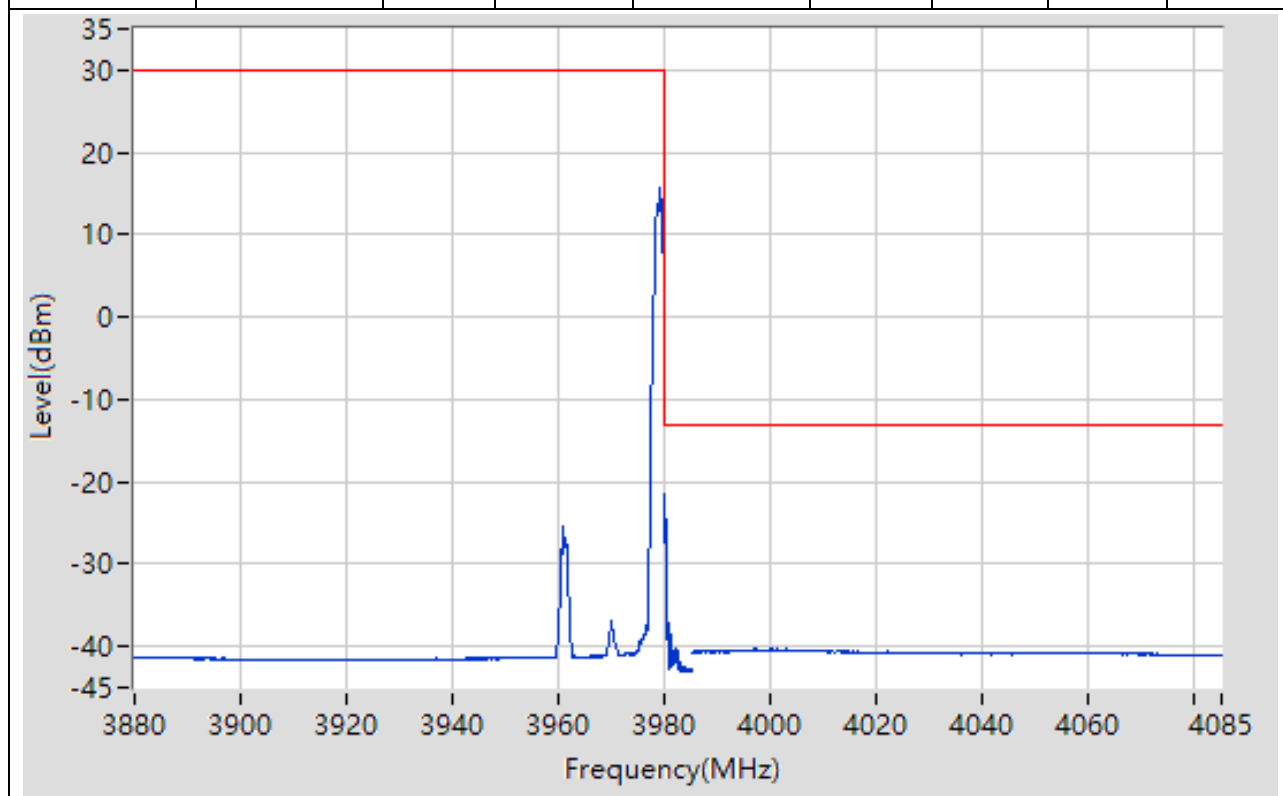
**51.4. Band Edge for SA(NTNV)(Subtest:4, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.333        | -33.83      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.84         | -34.84      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -34.28      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3711.333        | 4.44        | 30          | Pass    | 601         |



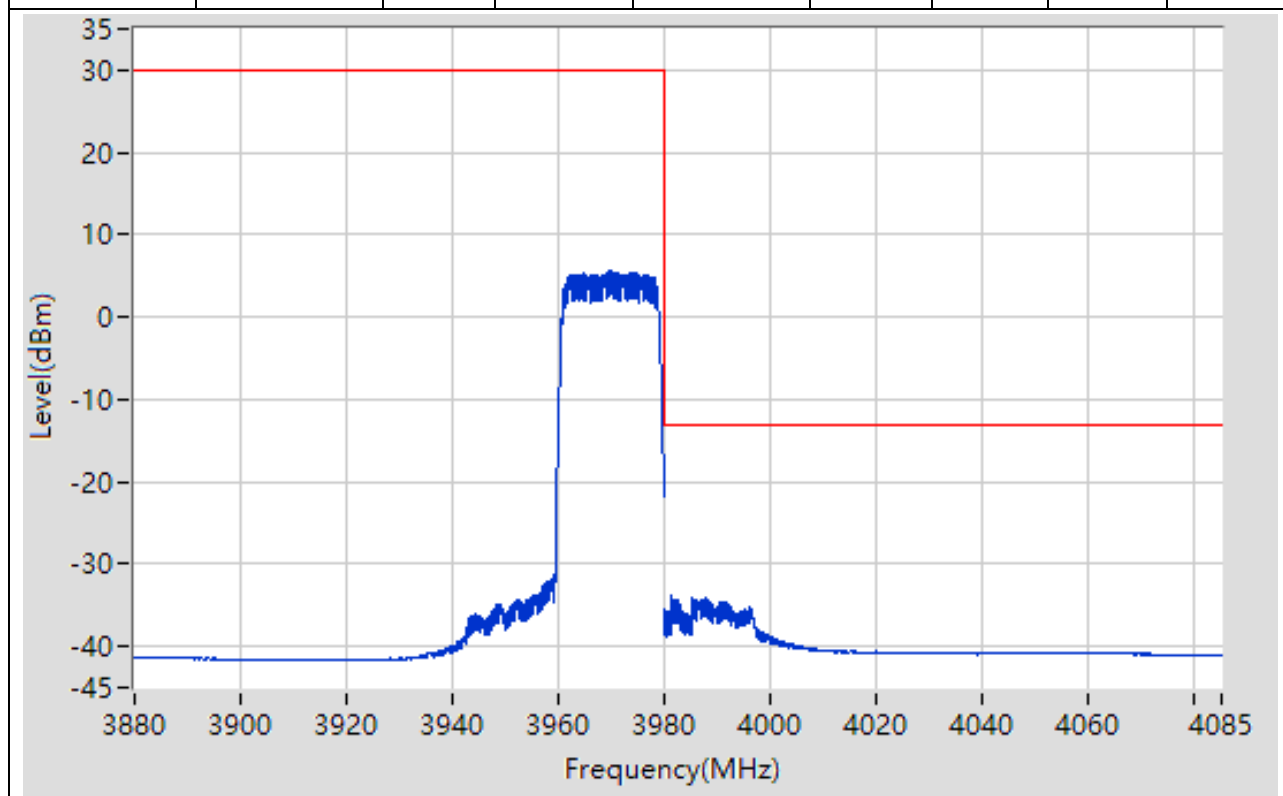
**51.5. Band Edge for SA(NTNV)(Subtest:5, Channel:664666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3979            | 15.82       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980            | -21.57      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981            | -38.71      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 4000.333        | -40.32      | -13         | Pass    | 601         |



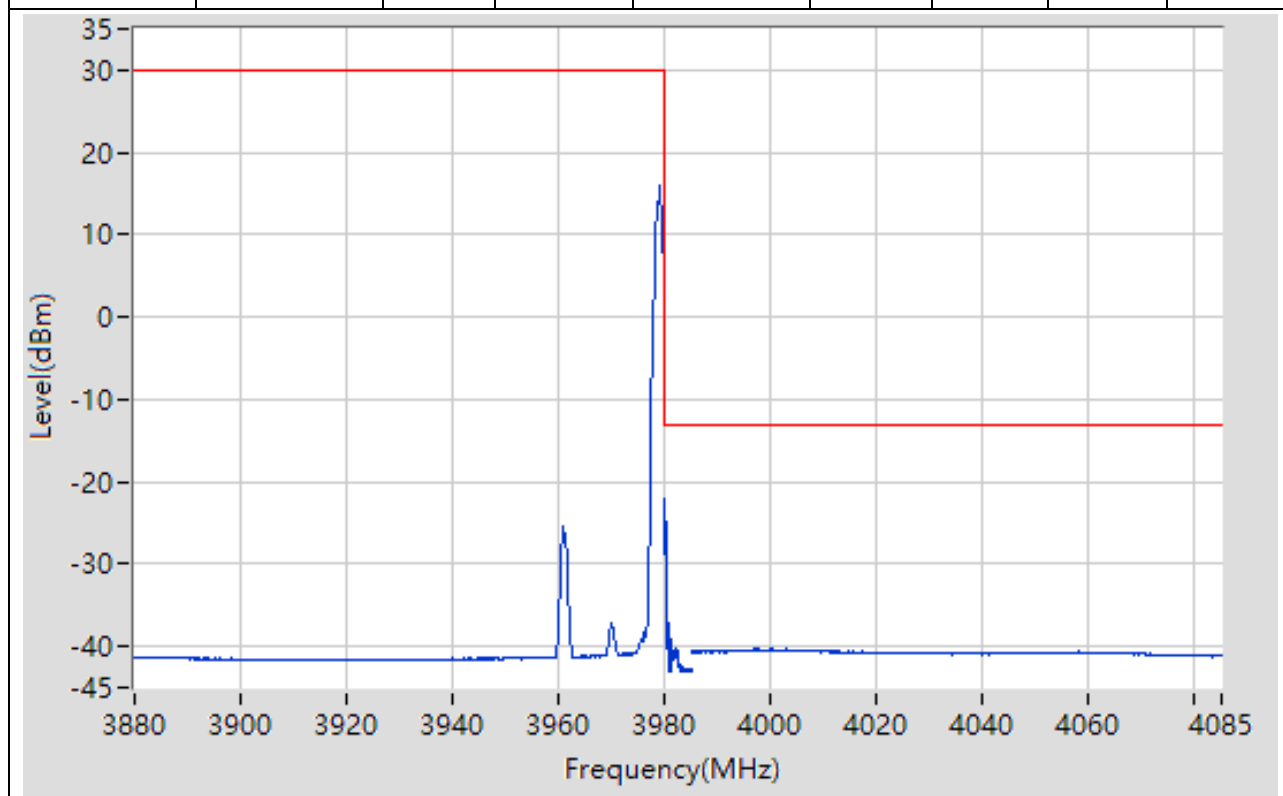
**51.6. Band Edge for SA(NTNV)(Subtest:6, Channel:664666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3969.667        | 5.55        | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.002        | -35.39      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.053        | -33.92      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3987.833        | -34.2       | -13         | Pass    | 601         |



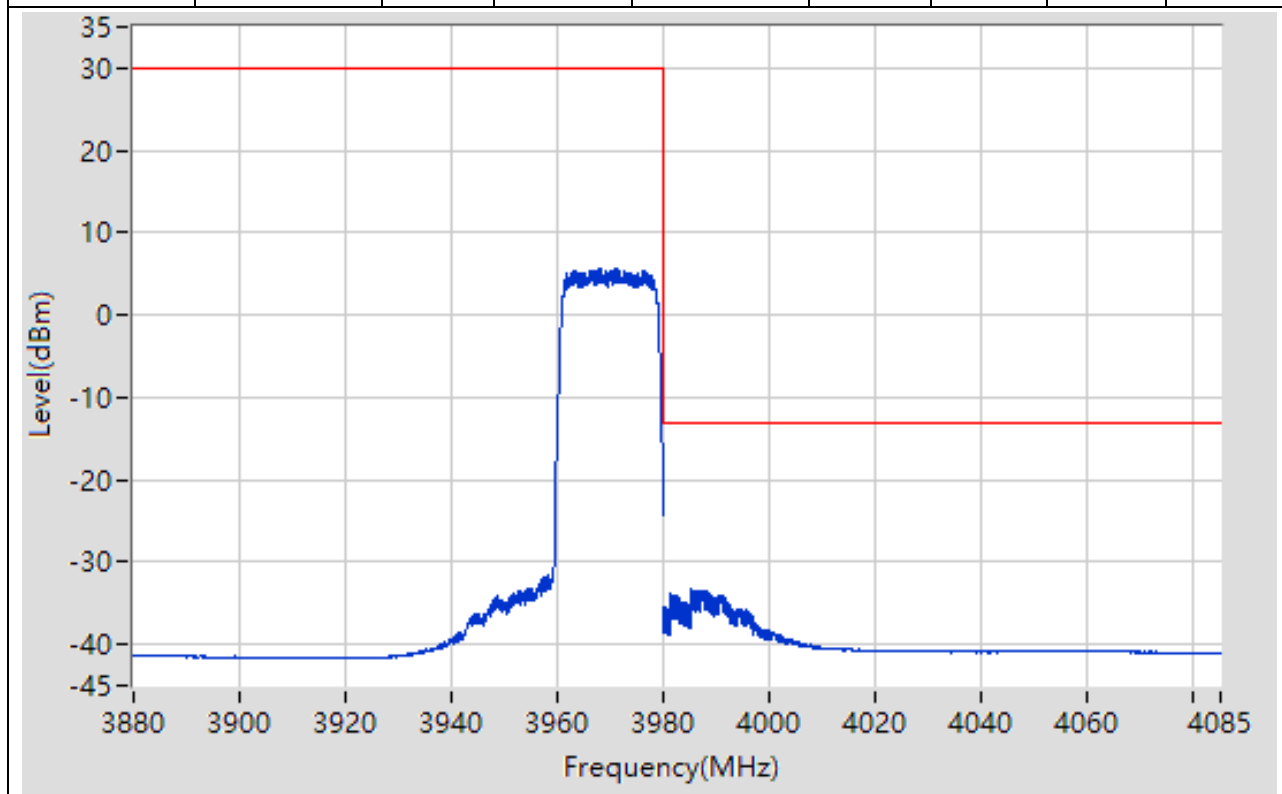
**51.7. Band Edge for SA(NTNV)(Subtest:7, Channel:664666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3979            | 15.92       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980            | -22.16      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981            | -39.23      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3997.333        | -40.32      | -13         | Pass    | 601         |



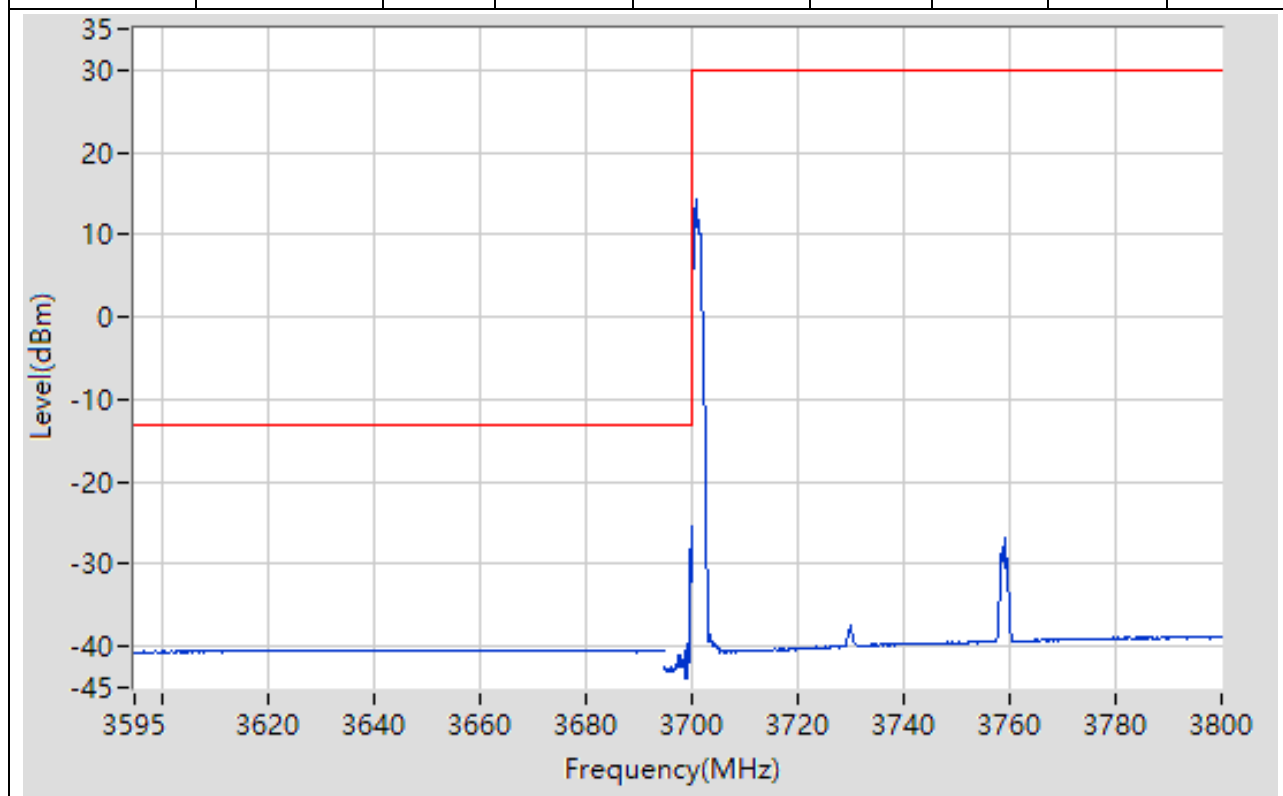
**51.8. Band Edge for SA(NTNV)(Subtest:8, Channel:664666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3971.333        | 5.65        | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.077        | -35.46      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.033        | -33.9       | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3985.167        | -33.39      | -13         | Pass    | 601         |



**51.9. Band Edge for SA(NTNV)(Subtest:1, Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

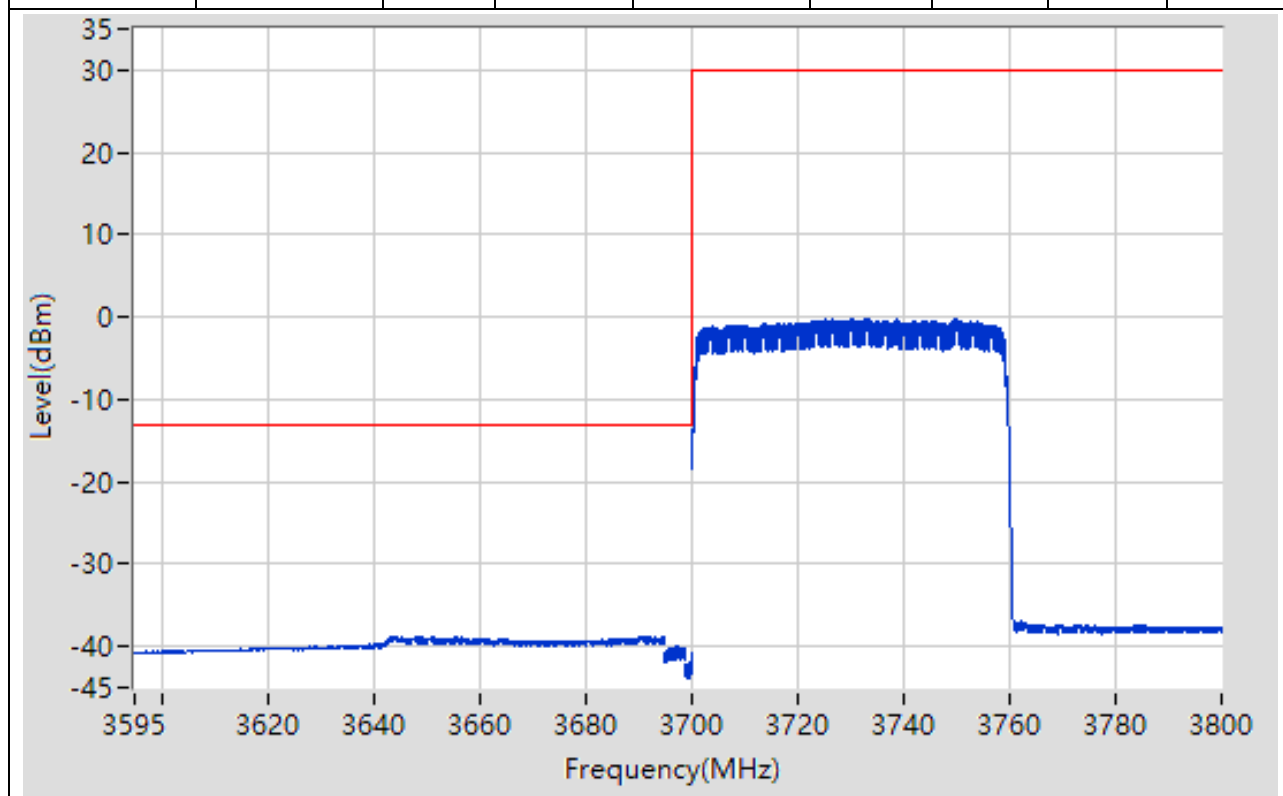
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3630.833        | -40.4       | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.987        | -40.52      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -25.47      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 14.29       | 30          | Pass    | 601         |





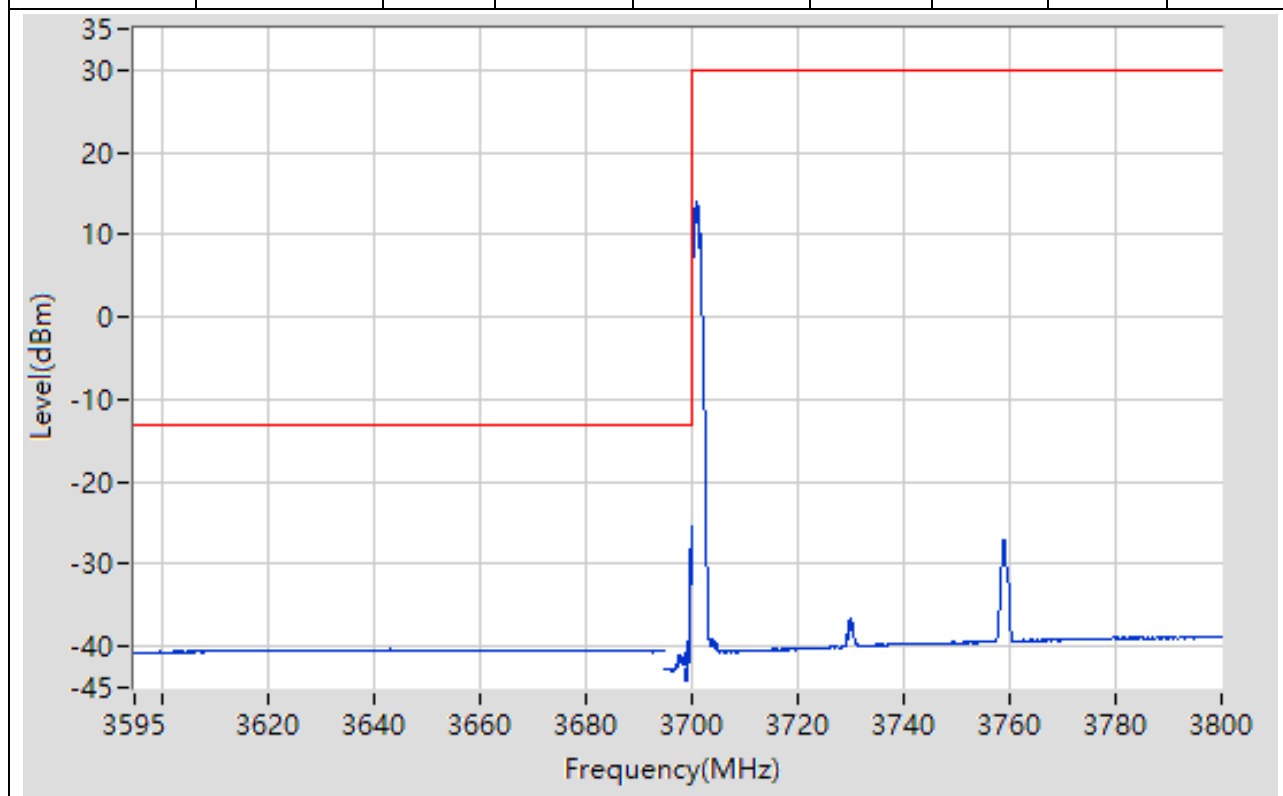
**51.10. Band Edge for SA(NTNV)(Subtest:2, Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3643            | -38.8       | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3697.293        | -40         | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -40.9       | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3732.667        | -0.22       | 30          | Pass    | 601         |



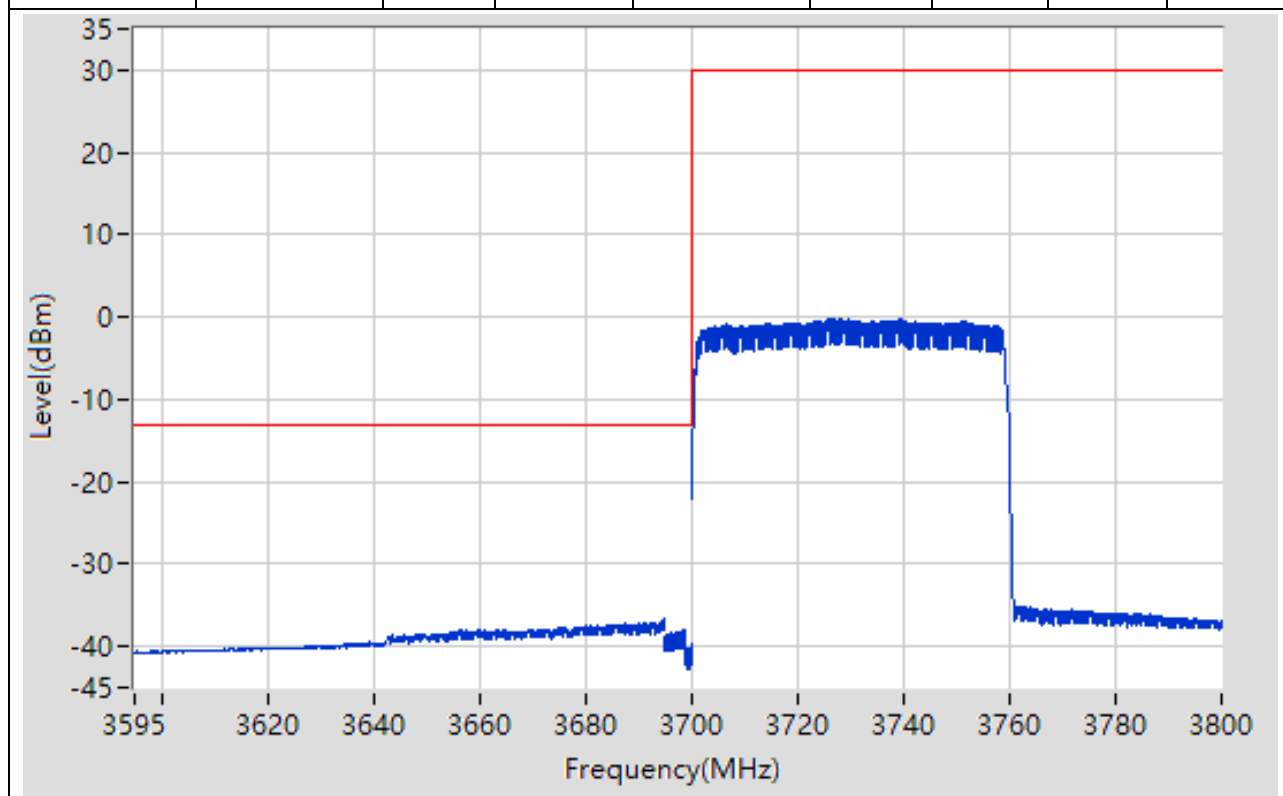
**51.11. Band Edge for SA(NTNV)(Subtest:3, Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3643            | -40.37      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.907        | -40.78      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -25.41      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701.167        | 14.11       | 30          | Pass    | 601         |



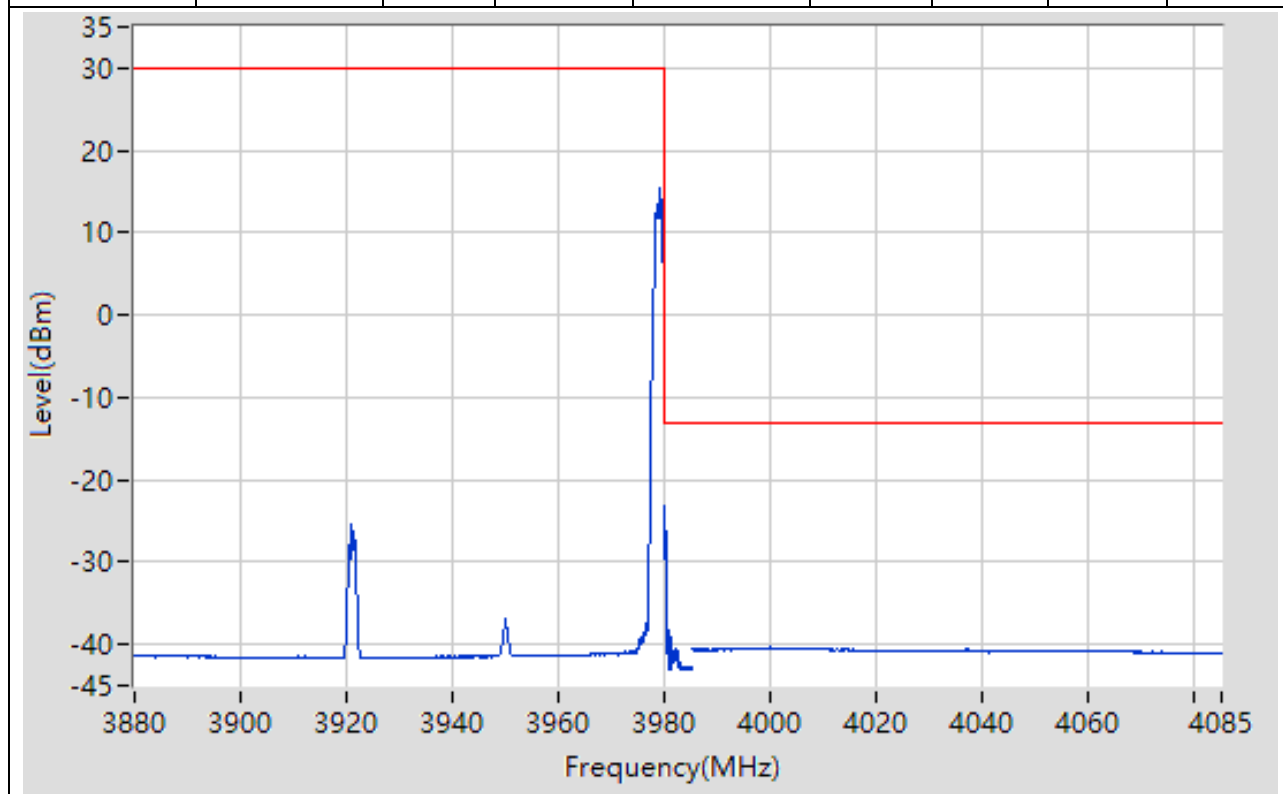
**51.12. Band Edge for SA(NTNV)(Subtest:4, Channel:648668, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.833        | -36.73      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.52         | -38.13      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.988        | -39.56      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3739.667        | -0.24       | 30          | Pass    | 601         |



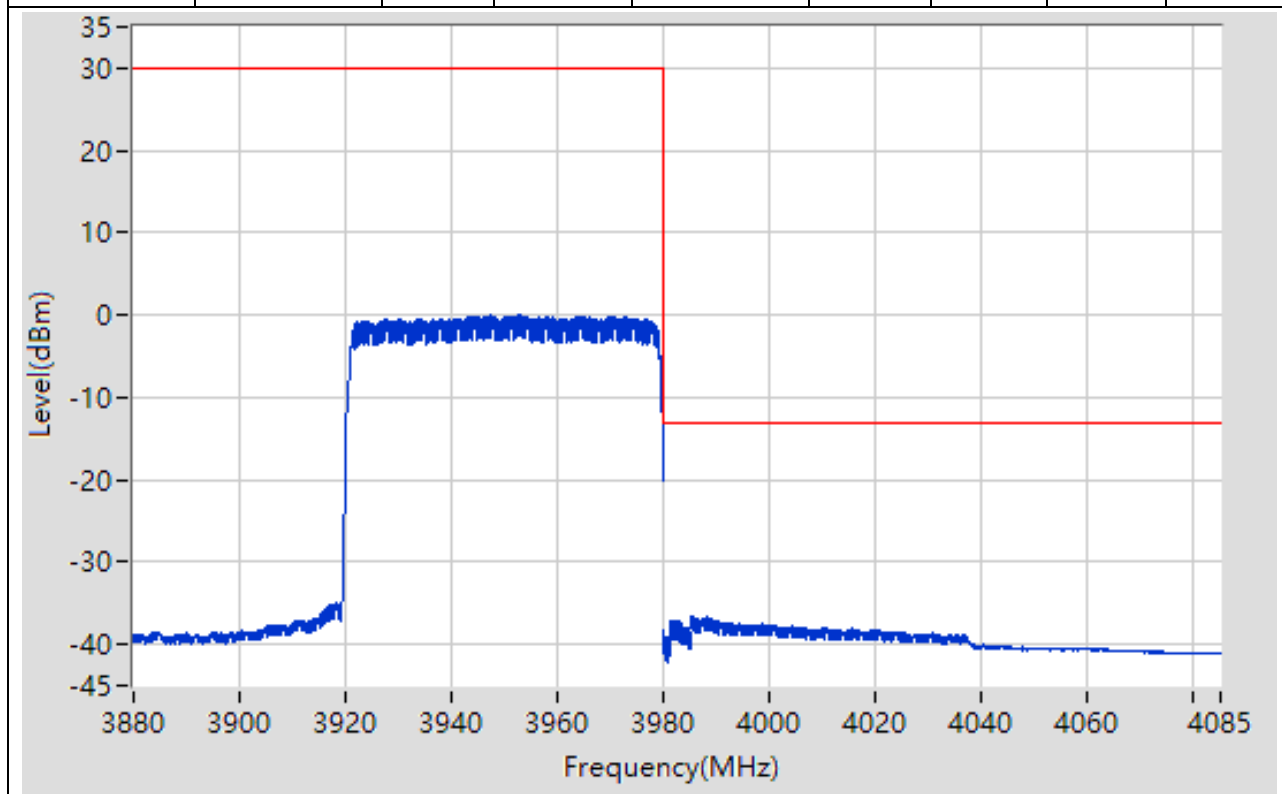
**51.13. Band Edge for SA(NTNV)(Subtest:5, Channel:663332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3979            | 15.4        | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980            | -23.04      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981            | -39.1       | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 4000            | -40.36      | -13         | Pass    | 601         |



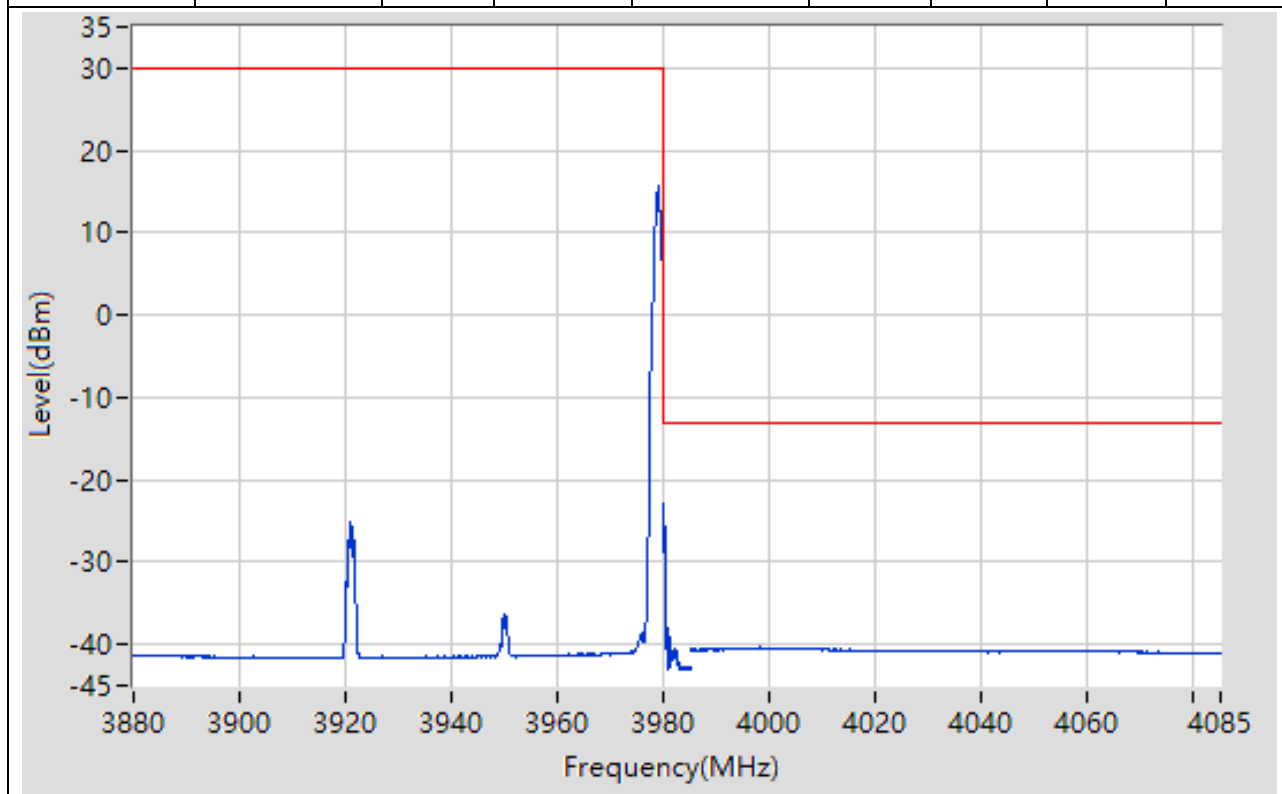
**51.14. Band Edge for SA(NTNV)(Subtest:6, Channel:663332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3952.833        | 0           | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.003        | -38.19      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3982.713        | -37.11      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3985.167        | -36.56      | -13         | Pass    | 601         |



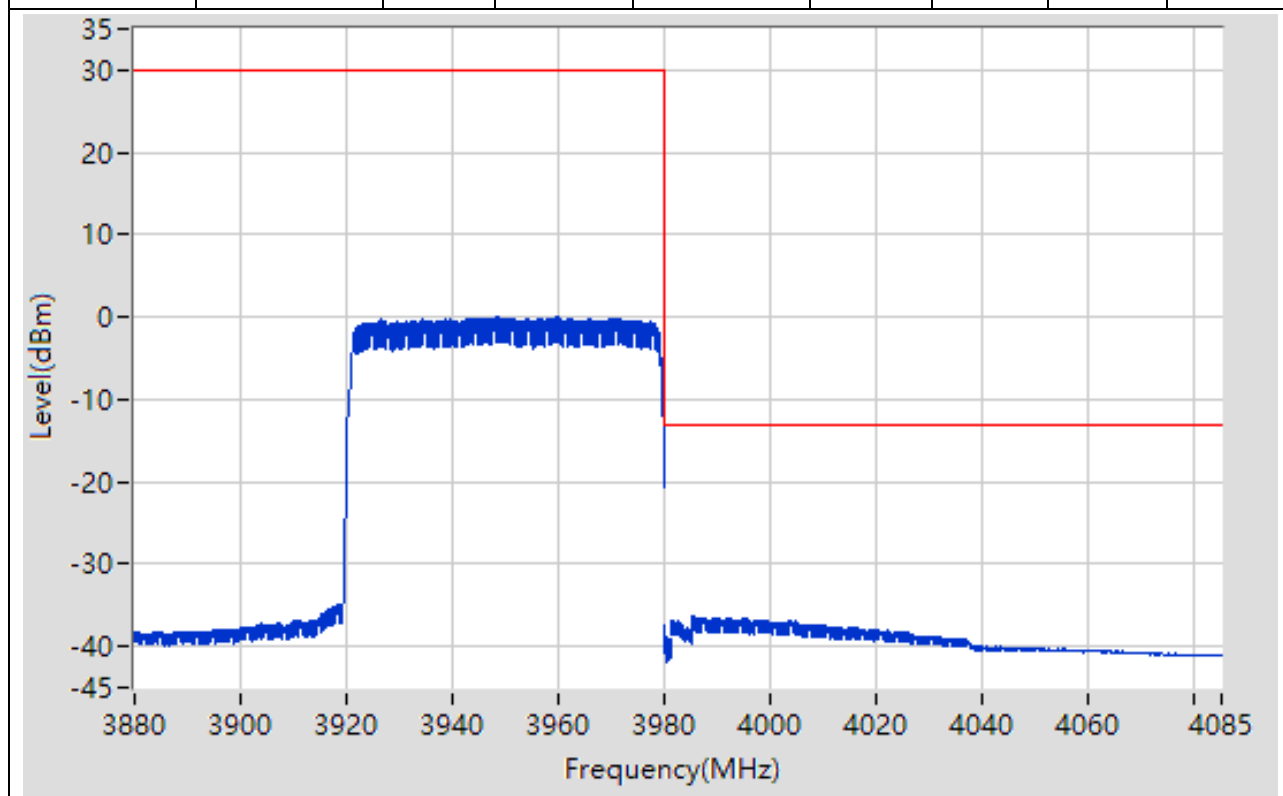
**51.15. Band Edge for SA(NTNV)(Subtest:7, Channel:663332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3979            | 15.64       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.002        | -22.77      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.027        | -39.18      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3998.167        | -40.37      | -13         | Pass    | 601         |



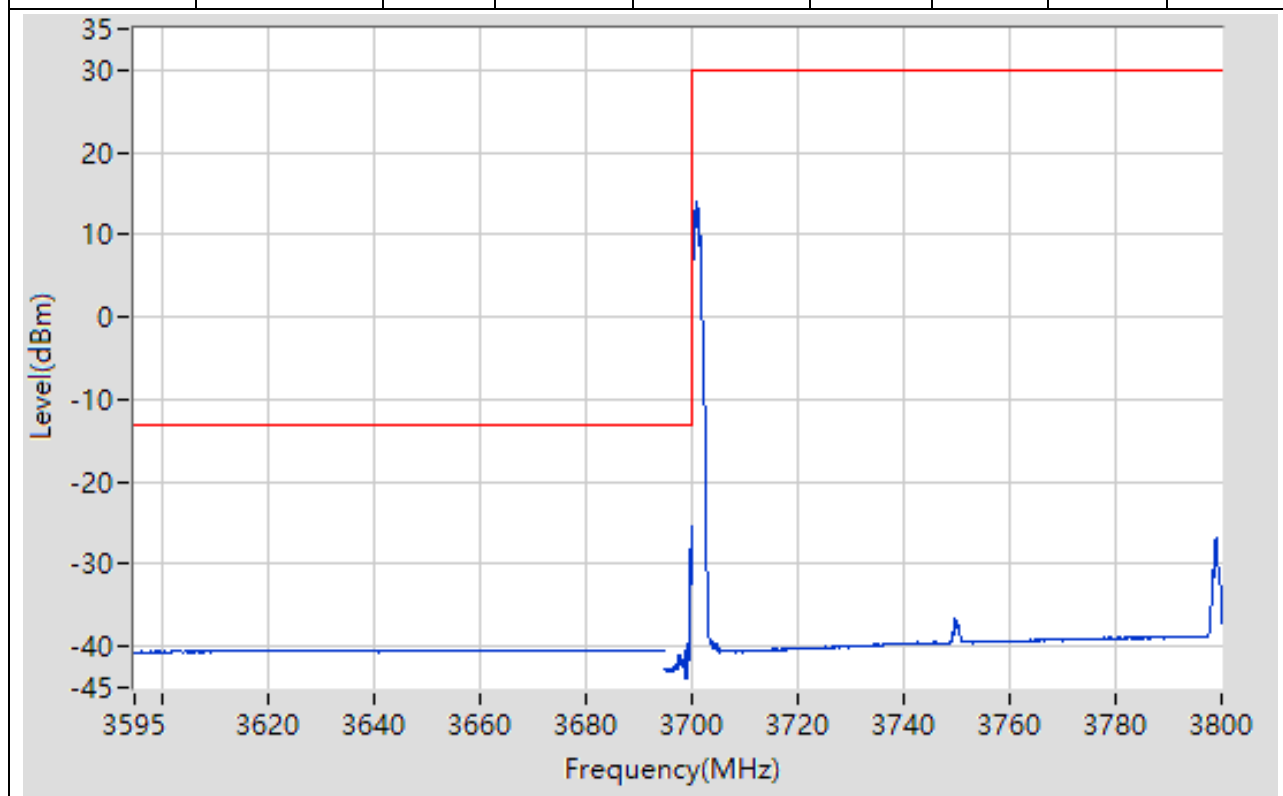
**51.16. Band Edge for SA(NTNV)(Subtest:8, Channel:663332, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3959.333        | 0.06        | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980            | -37.59      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.28         | -36.9       | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3985.167        | -36.3       | -13         | Pass    | 601         |



**51.17. Band Edge for SA(NTNV)(Subtest:1, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

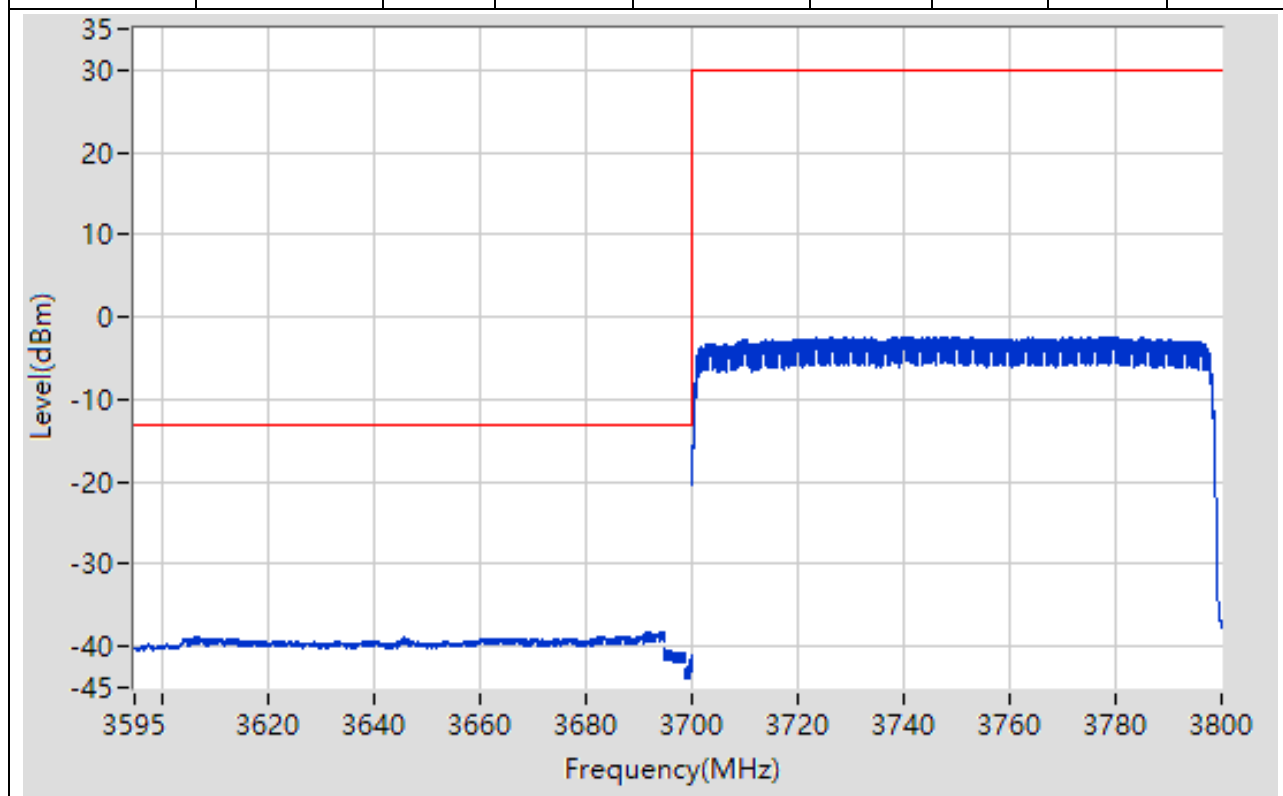
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3623.333        | -40.39      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3699            | -40.45      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.988        | -25.39      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701.167        | 13.88       | 30          | Pass    | 601         |





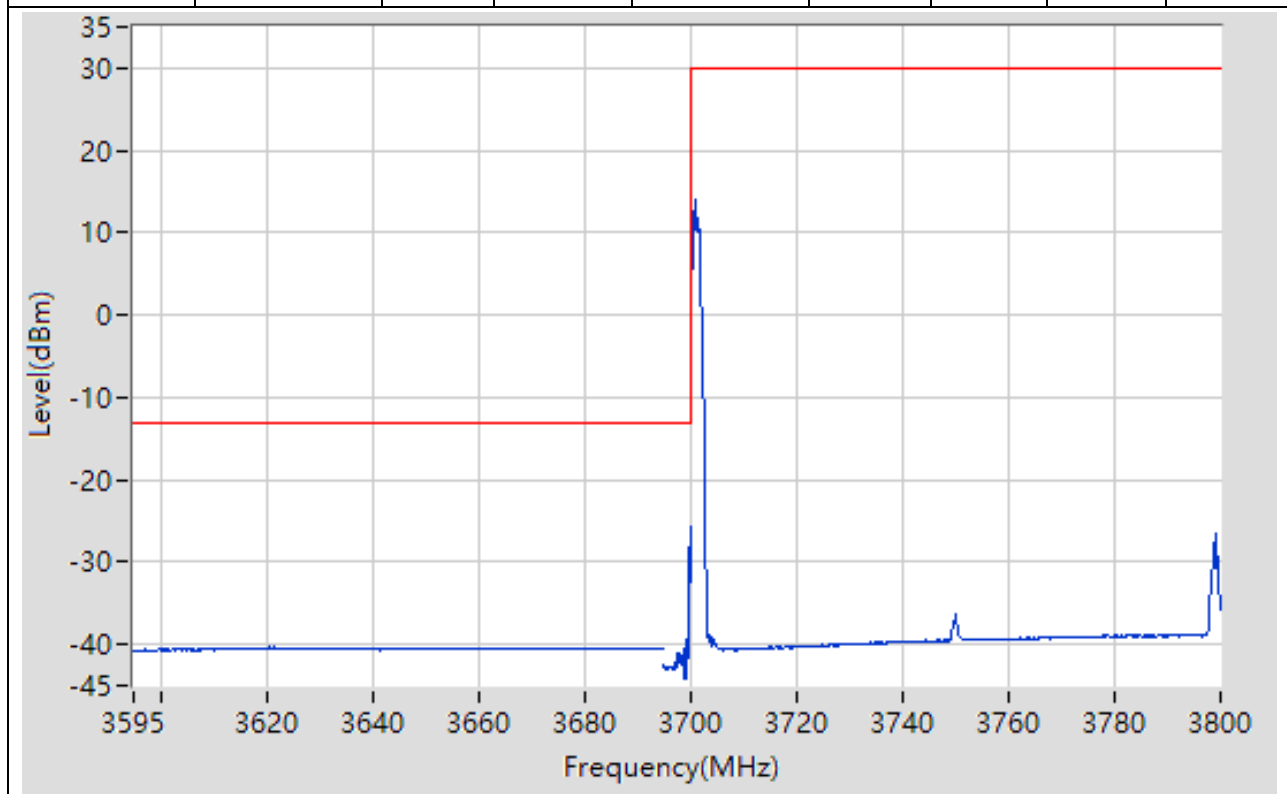
**51.18. Band Edge for SA(NTNV)(Subtest:2, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.5          | -38.16      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3695            | -40.26      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -41.04      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3746            | -2.35       | 30          | Pass    | 601         |



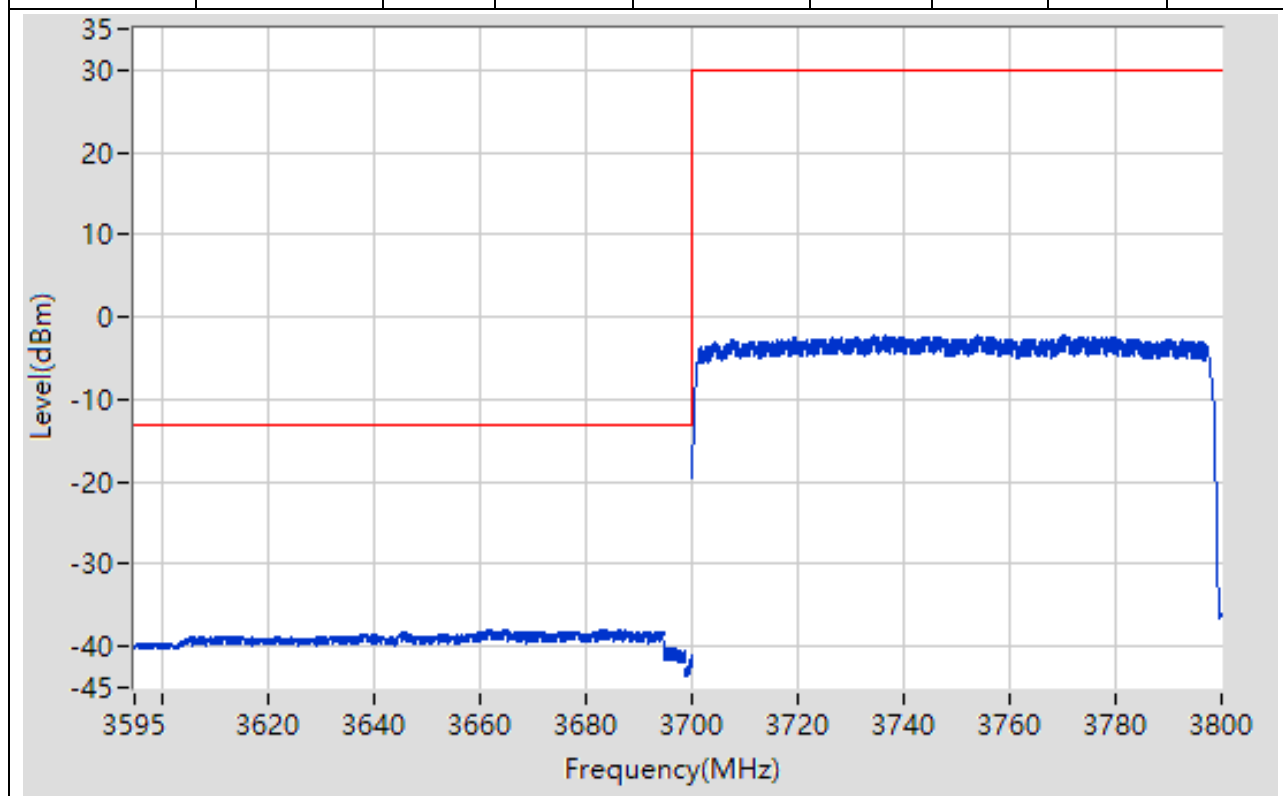
**51.19. Band Edge for SA(NTNV)(Subtest:3, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3621.667        | -40.36      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.993        | -40.51      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -25.64      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 14.05       | 30          | Pass    | 601         |



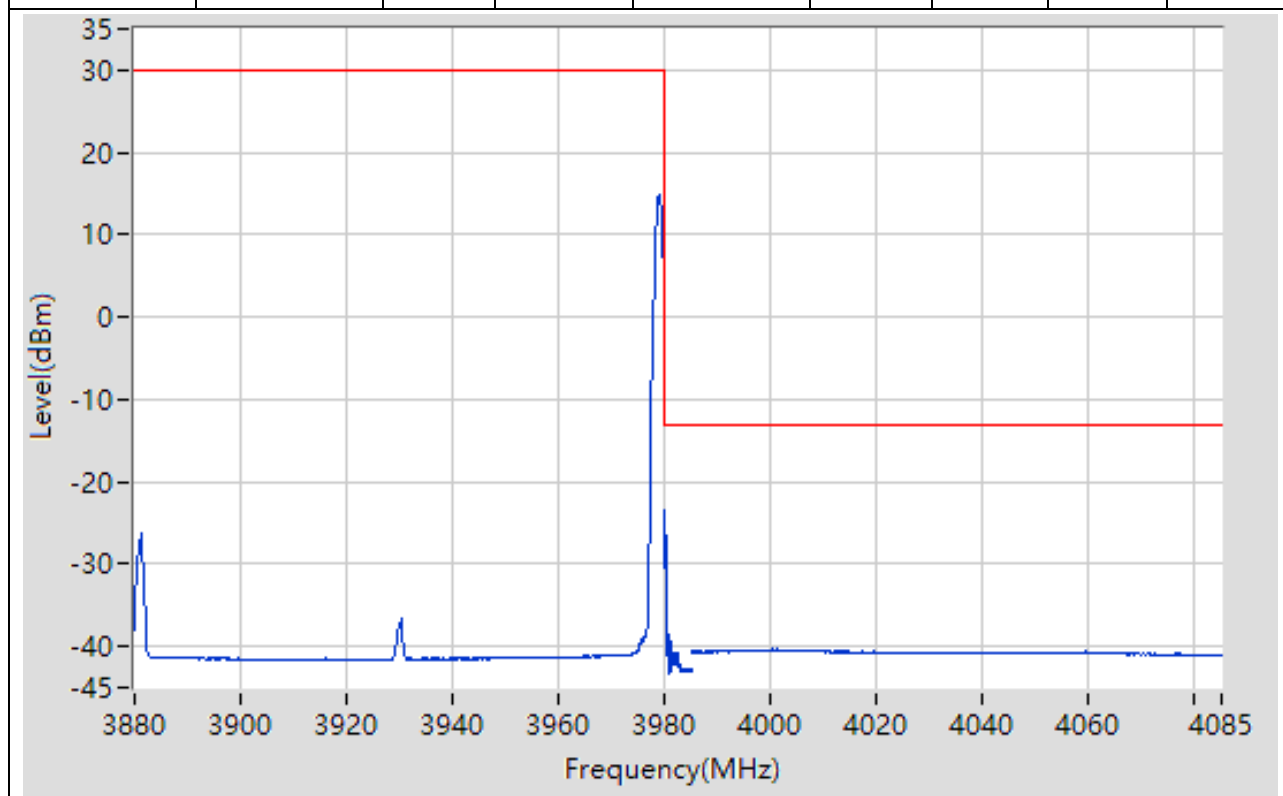
**51.20. Band Edge for SA(NTNV)(Subtest:4, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3683.833        | -37.99      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3695.093        | -39.3       | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.995        | -40.95      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3770            | -2.18       | 30          | Pass    | 601         |



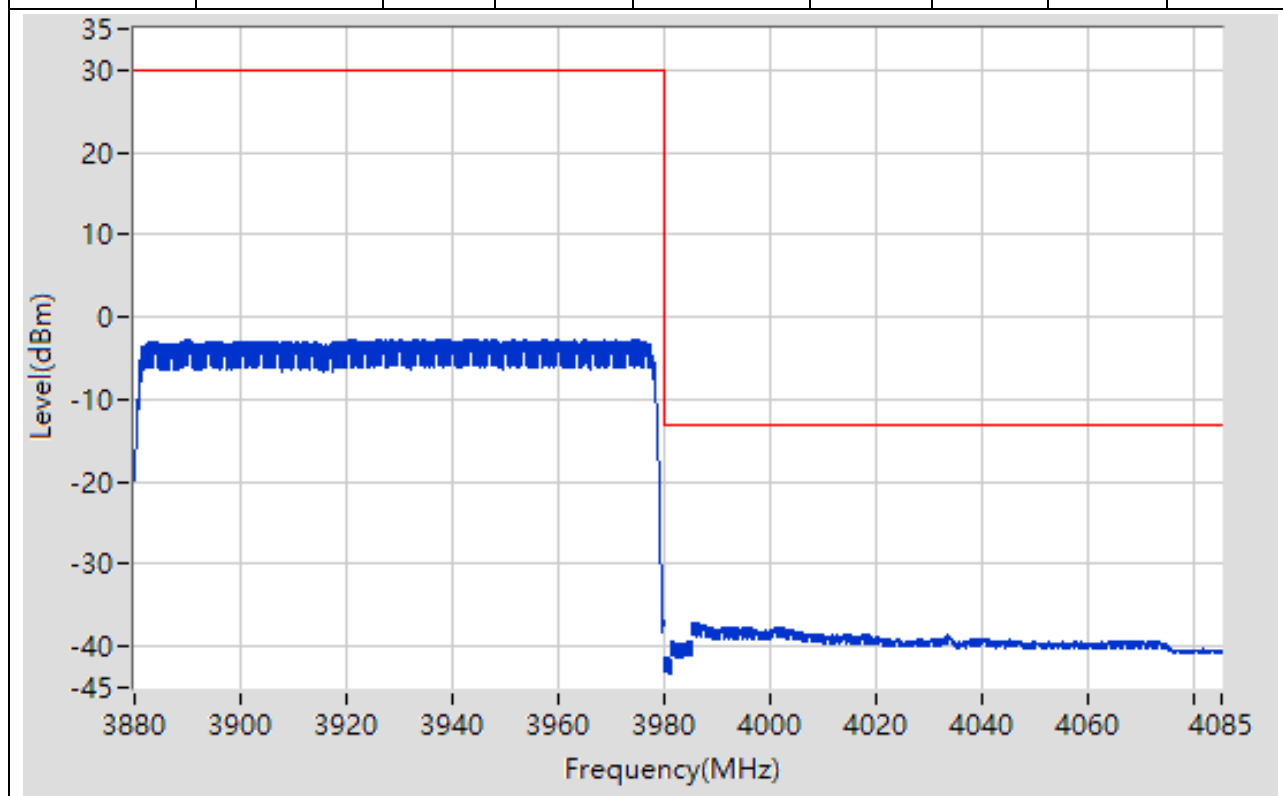
**51.21. Band Edge for SA(NTNV)(Subtest:5, Channel:662000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3979.167        | 14.85       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.003        | -23.46      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981            | -39.35      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 4001.167        | -40.36      | -13         | Pass    | 601         |



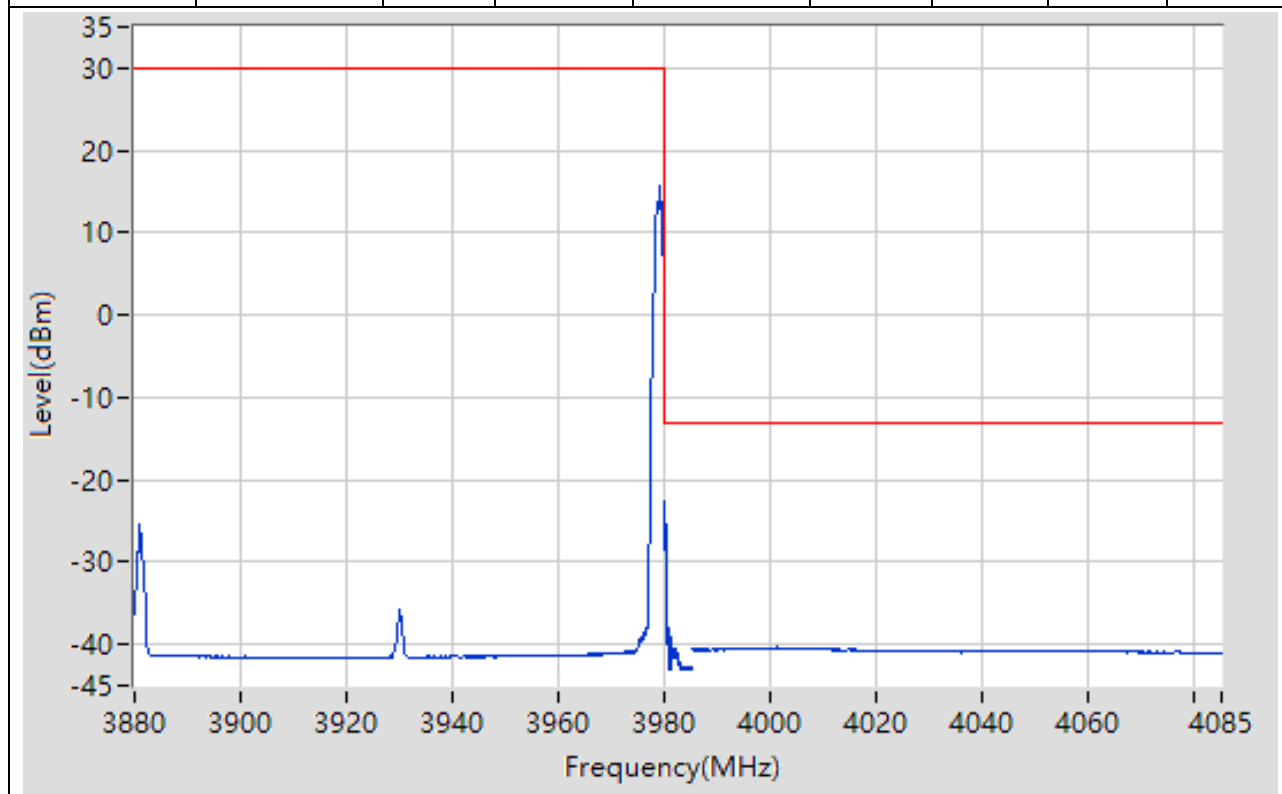
**51.22. Band Edge for SA(NTNV)(Subtest:6, Channel:662000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3944            | -2.69       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.083        | -41.27      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3984.88         | -39.31      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 3985.667        | -37.08      | -13         | Pass    | 601         |



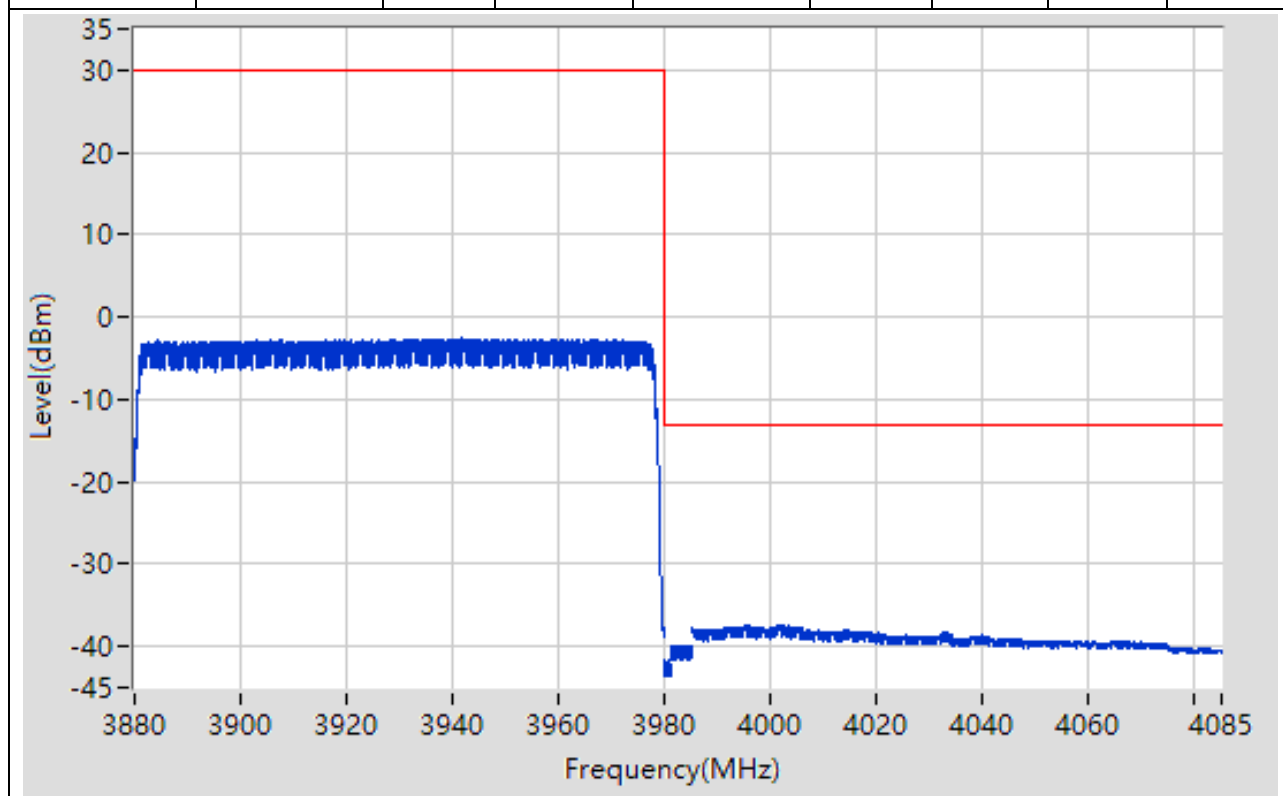
**51.23. Band Edge for SA(NTNV)(Subtest:7, Channel:662000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3979            | 15.63       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980            | -22.54      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3981.02         | -39.08      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 4001            | -40.37      | -13         | Pass    | 601         |



**51.24. Band Edge for SA(NTNV)(Subtest:8, Channel:662000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

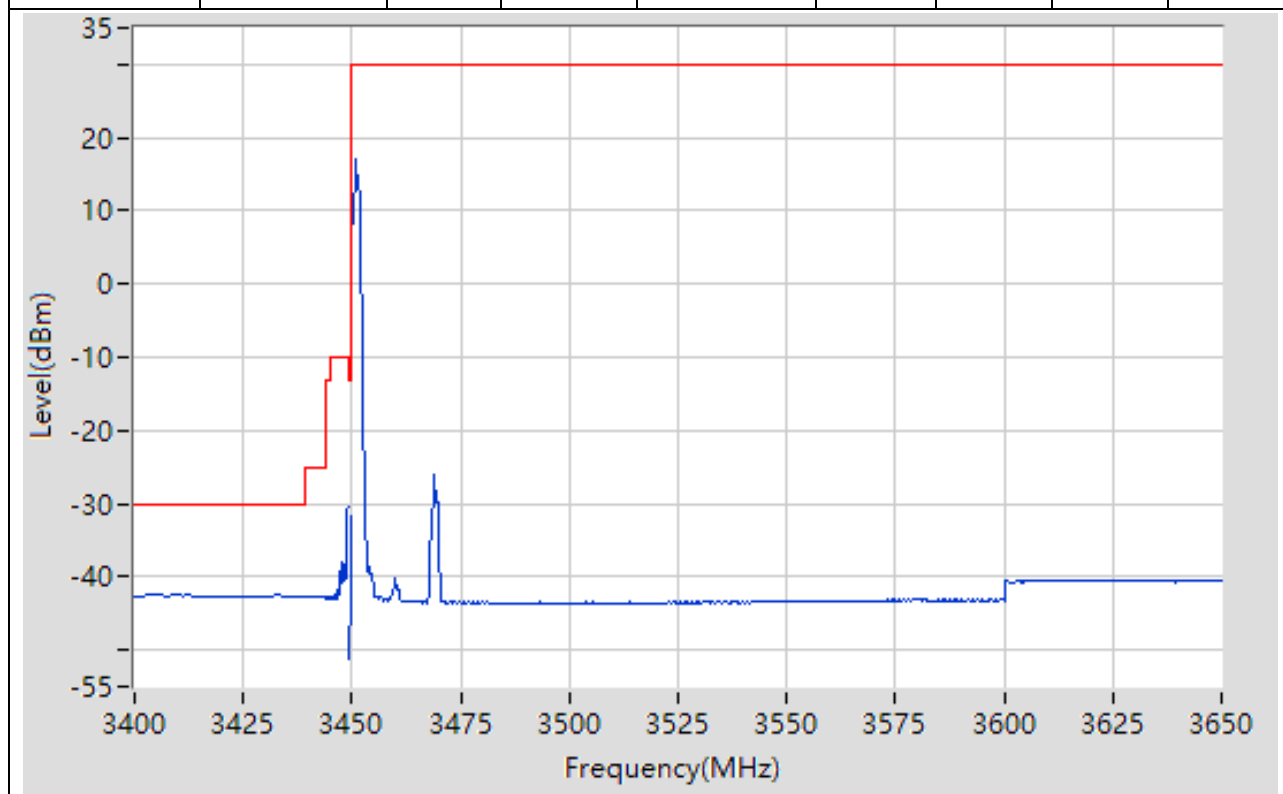
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3880                  | 3980                 | 1         | RMS      | 3941.5          | -2.62       | 30          | Pass    | 601         |
| 3980                  | 3981                 | 0.39      | RMS      | 3980.008        | -41.57      | -13         | Pass    | 601         |
| 3981                  | 3985                 | 0.62      | RMS      | 3982.427        | -39.84      | -13         | Pass    | 601         |
| 3985                  | 4085                 | 1         | RMS      | 4001.667        | -37.32      | -13         | Pass    | 601         |



## 52. n77 30kHz(3450-3650MHz)\_MIMO-ANT1

52.1. Band Edge for SA\_IC(NTNV)(Subtest:1, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)

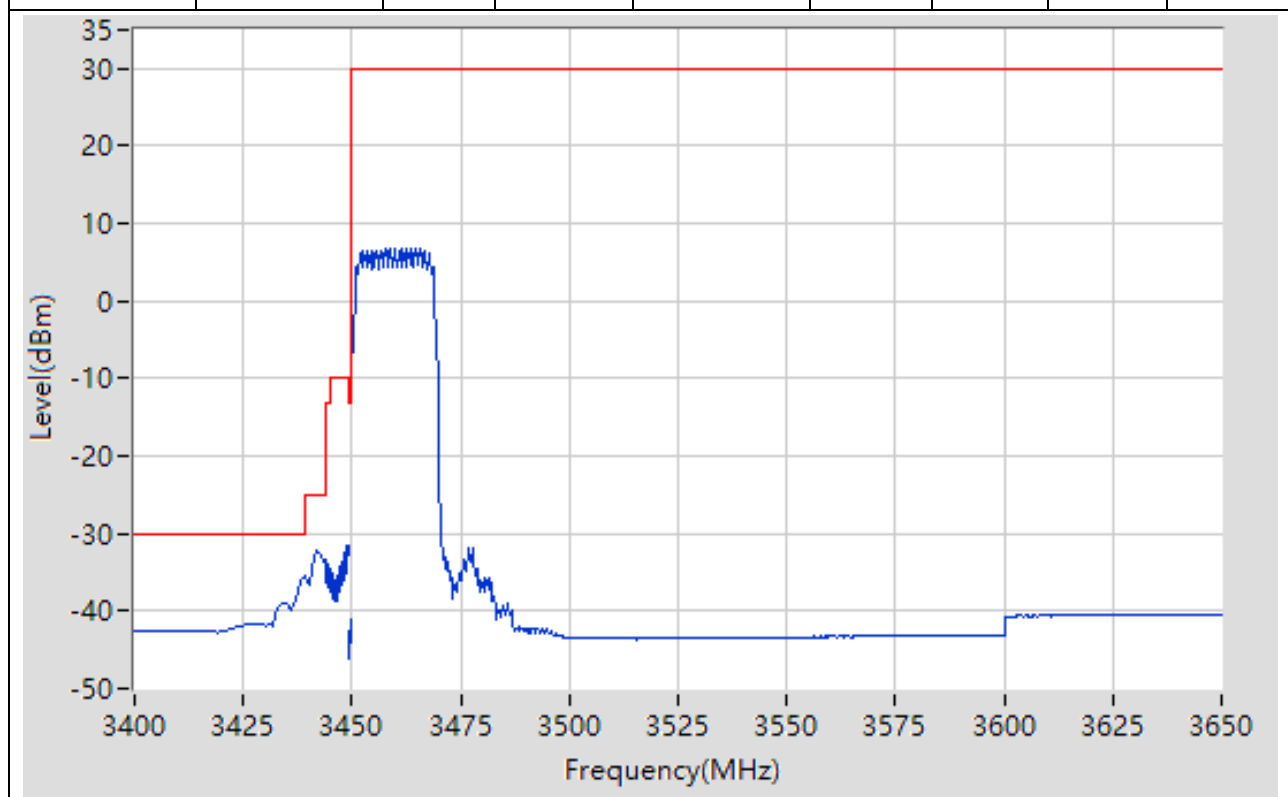
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3403            | -42.44      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3441            | -42.71      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.768        | -42.76      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -30.36      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -31.73      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 17.12       | 30          | Pass    | 601         |





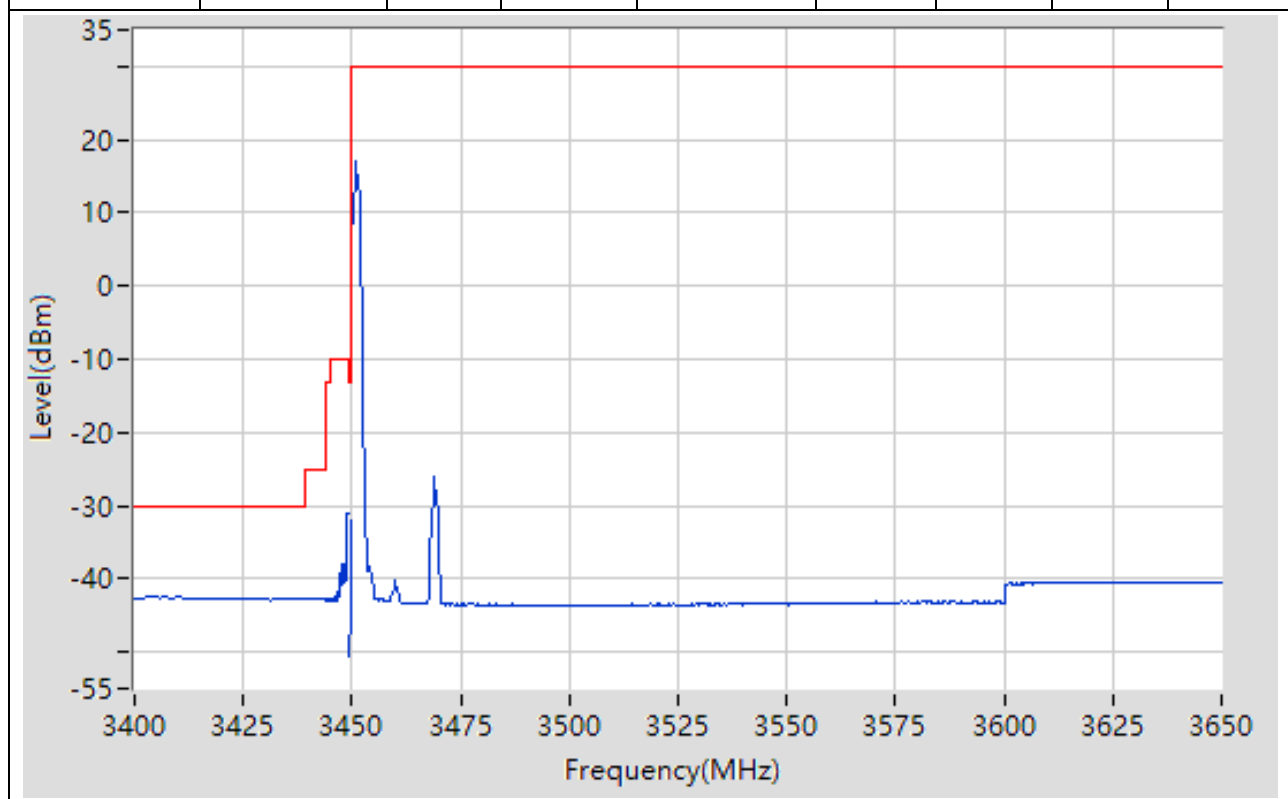
**52.2. Band Edge for SA\_IC(NTNV)(Subtest:2, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3439            | -35.41      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3442            | -32.15      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444            | -33.49      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -31.44      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -41.08      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3463.667        | 6.8         | 30          | Pass    | 601         |



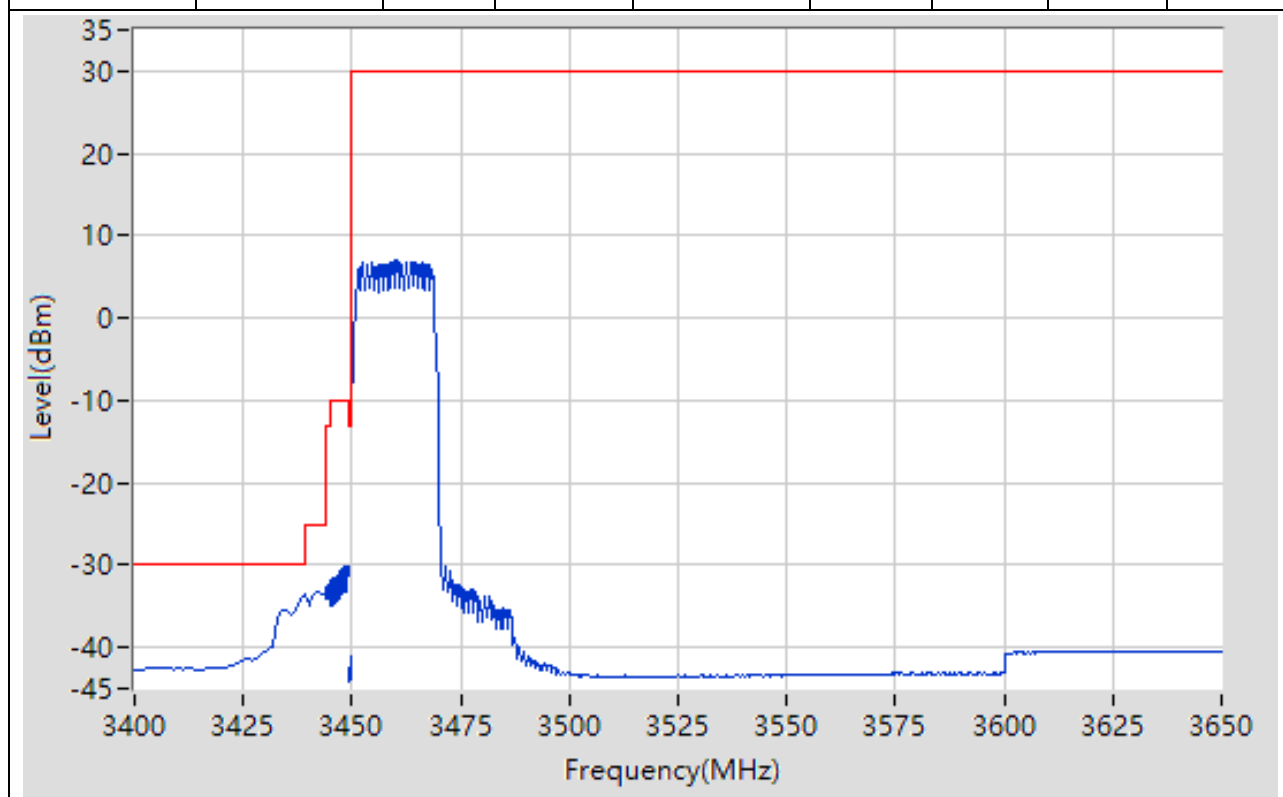
**52.3. Band Edge for SA\_IC(NTNV)(Subtest:3, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3403            | -42.47      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3439            | -42.78      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.847        | -42.72      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -30.93      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -32.12      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 17.07       | 30          | Pass    | 601         |



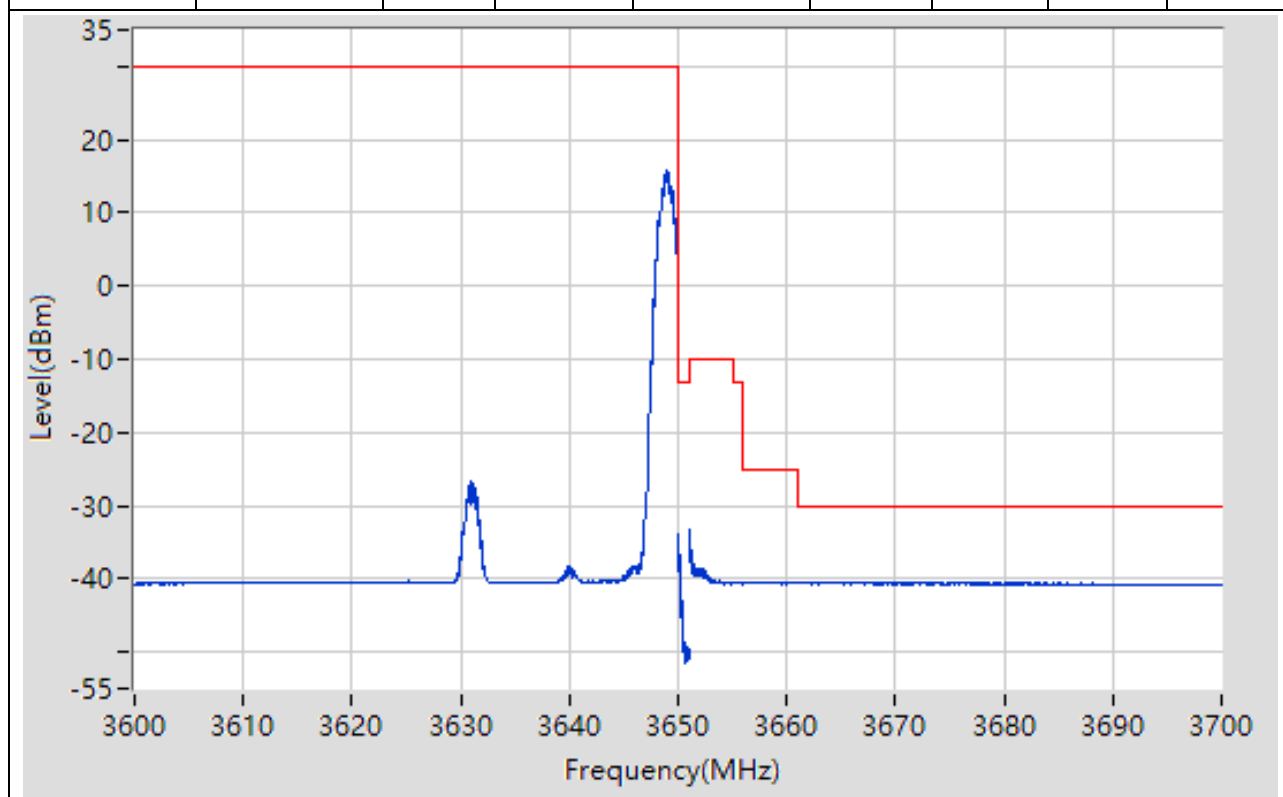
**52.4. Band Edge for SA\_IC(NTNV)(Subtest:4, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3439            | -33.59      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3442            | -33.31      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.978        | -32.23      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.98         | -30.11      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -40.95      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3460.333        | 6.96        | 30          | Pass    | 601         |



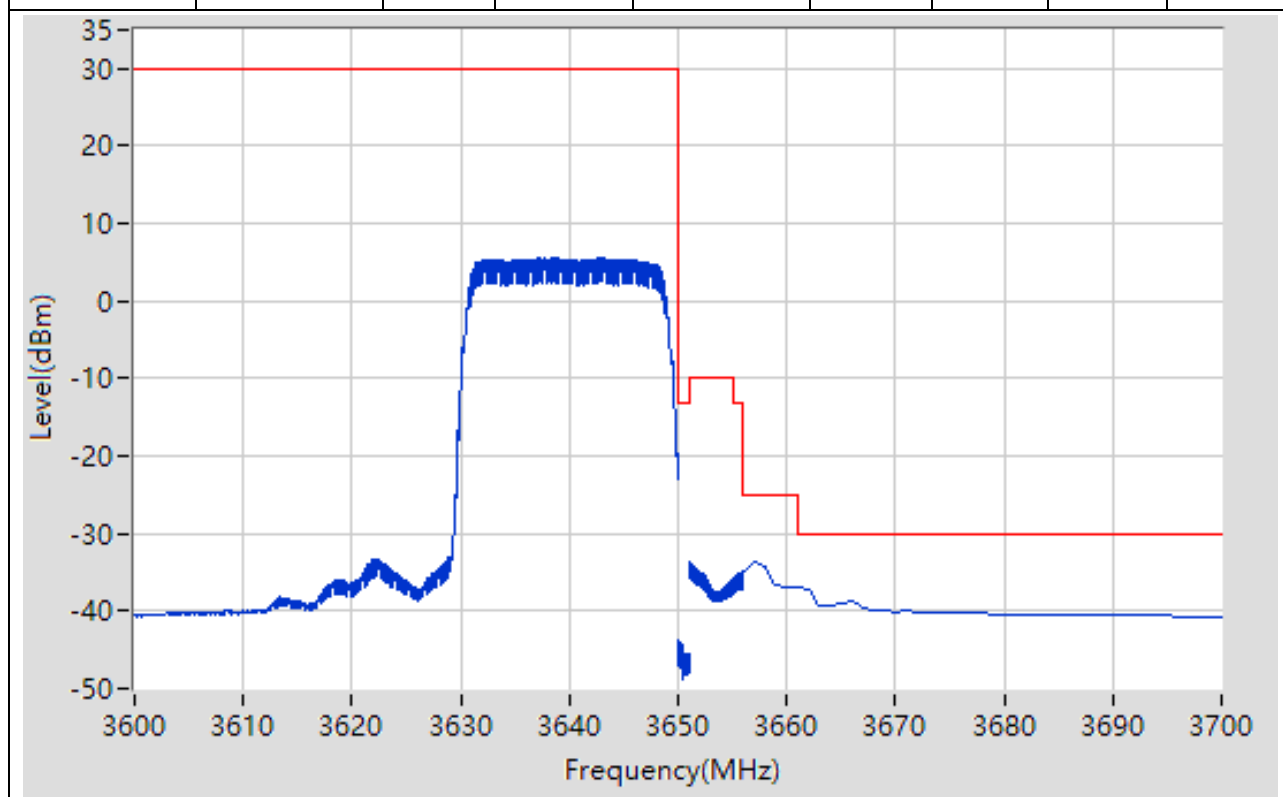
**52.5. Band Edge for SA\_IC(NTNV)(Subtest:5, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3649            | 15.84       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.003        | -33.82      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -33.15      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.3          | -40.38      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656.142        | -40.42      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3666.785        | -40.51      | -30         | Pass    | 601         |



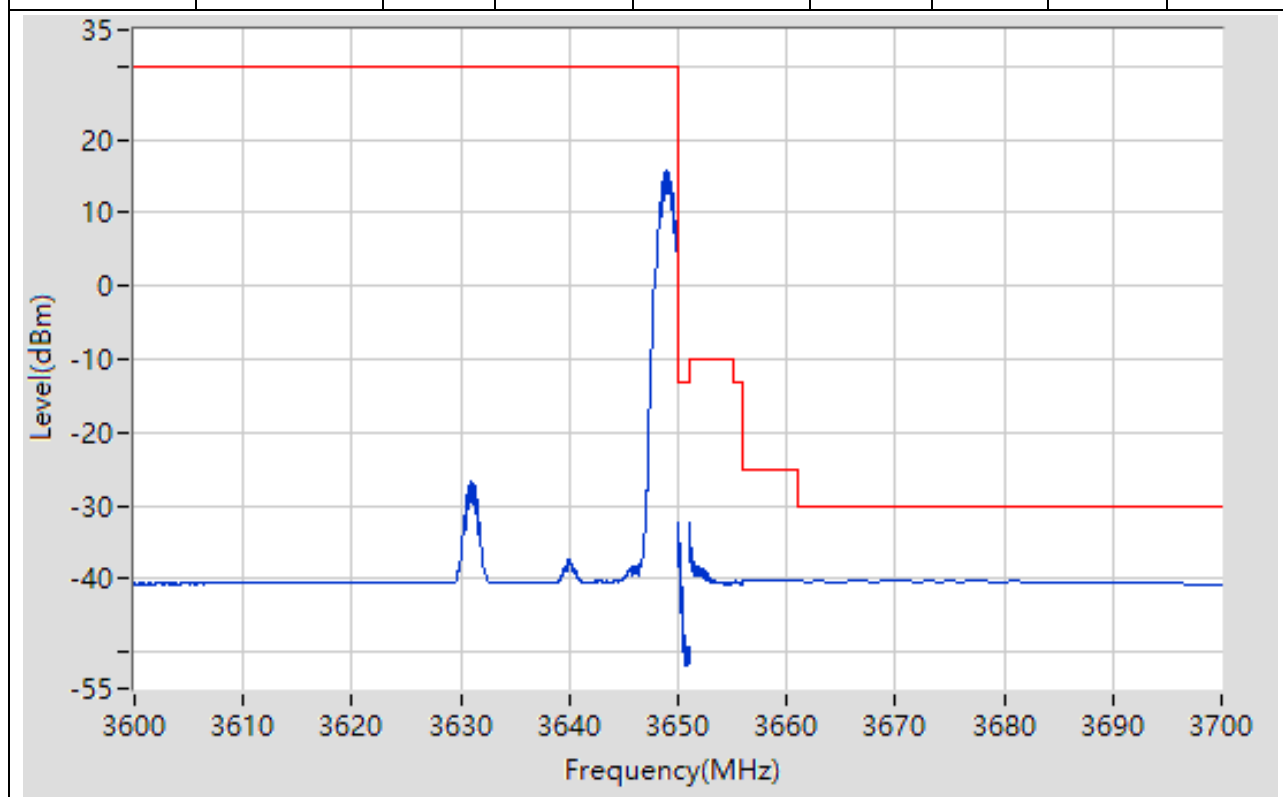
**52.6. Band Edge for SA\_IC(NTNV)(Subtest:6, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3638.5          | 5.6         | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.002        | -43.86      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.027        | -33.69      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.992        | -34.88      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657            | -33.79      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -36.81      | -30         | Pass    | 40          |



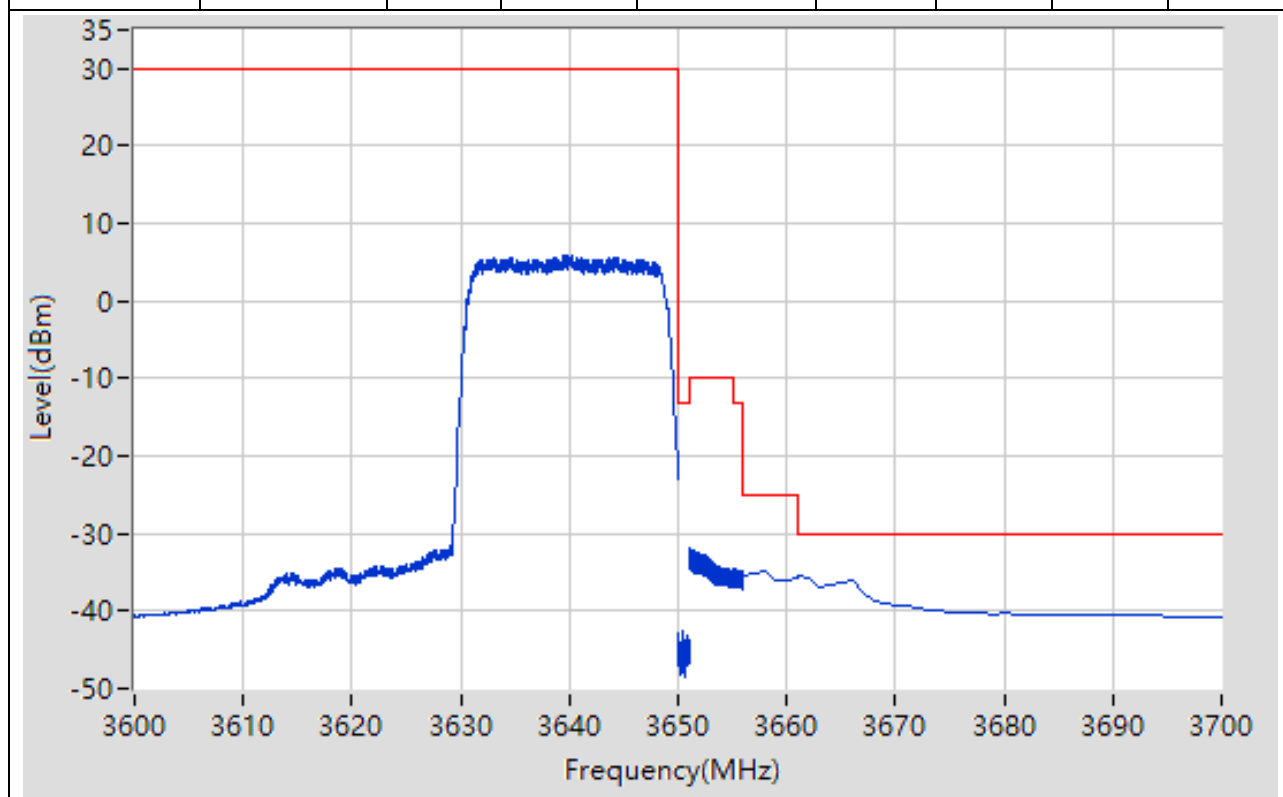
**52.7. Band Edge for SA\_IC(NTNV)(Subtest:7, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3649            | 15.77       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650            | -32.43      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -32.26      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.307        | -40.34      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -40.26      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -40.3       | -30         | Pass    | 40          |



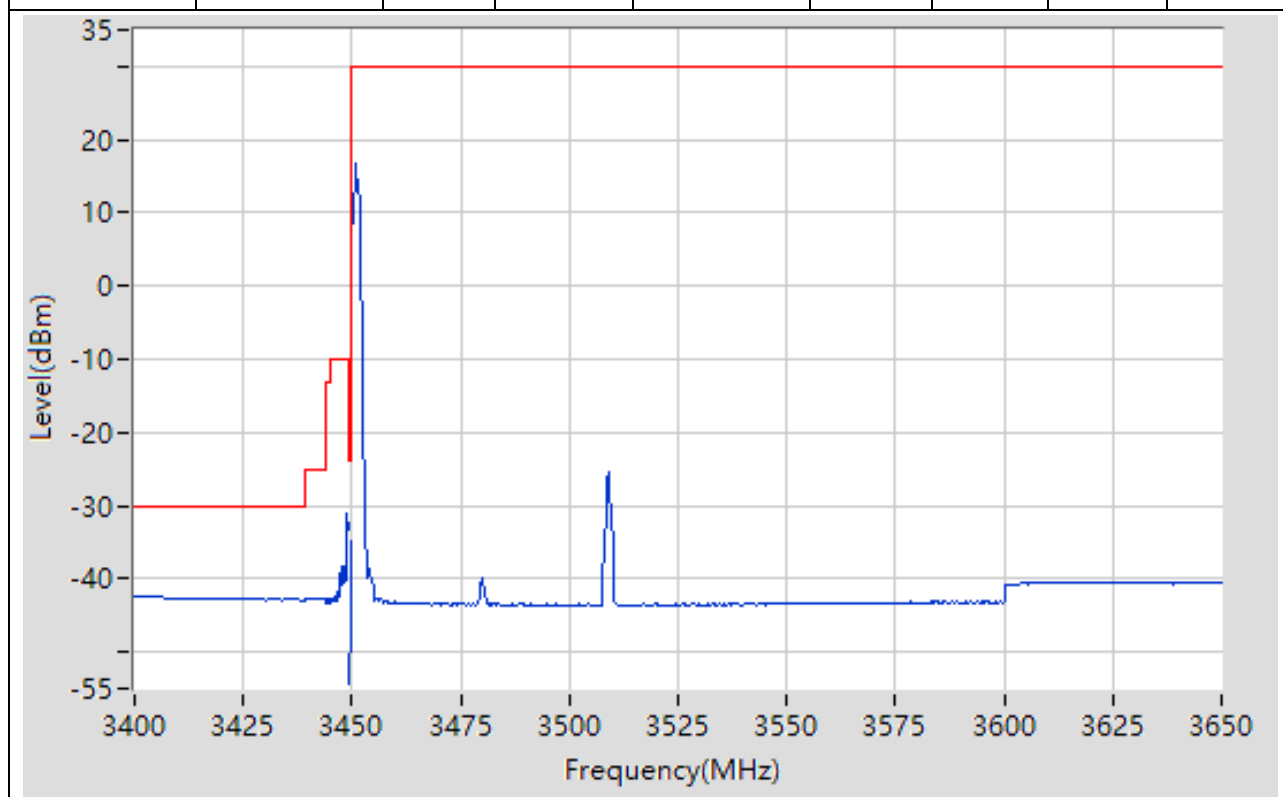
**52.8. Band Edge for SA\_IC(NTNV)(Subtest:8, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3639.583        | 5.78        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.488        | -42.67      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -31.92      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.172        | -34.58      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -34.98      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -35.55      | -30         | Pass    | 40          |



**52.9. Band Edge for SA\_IC(NTNV)(Subtest:17, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

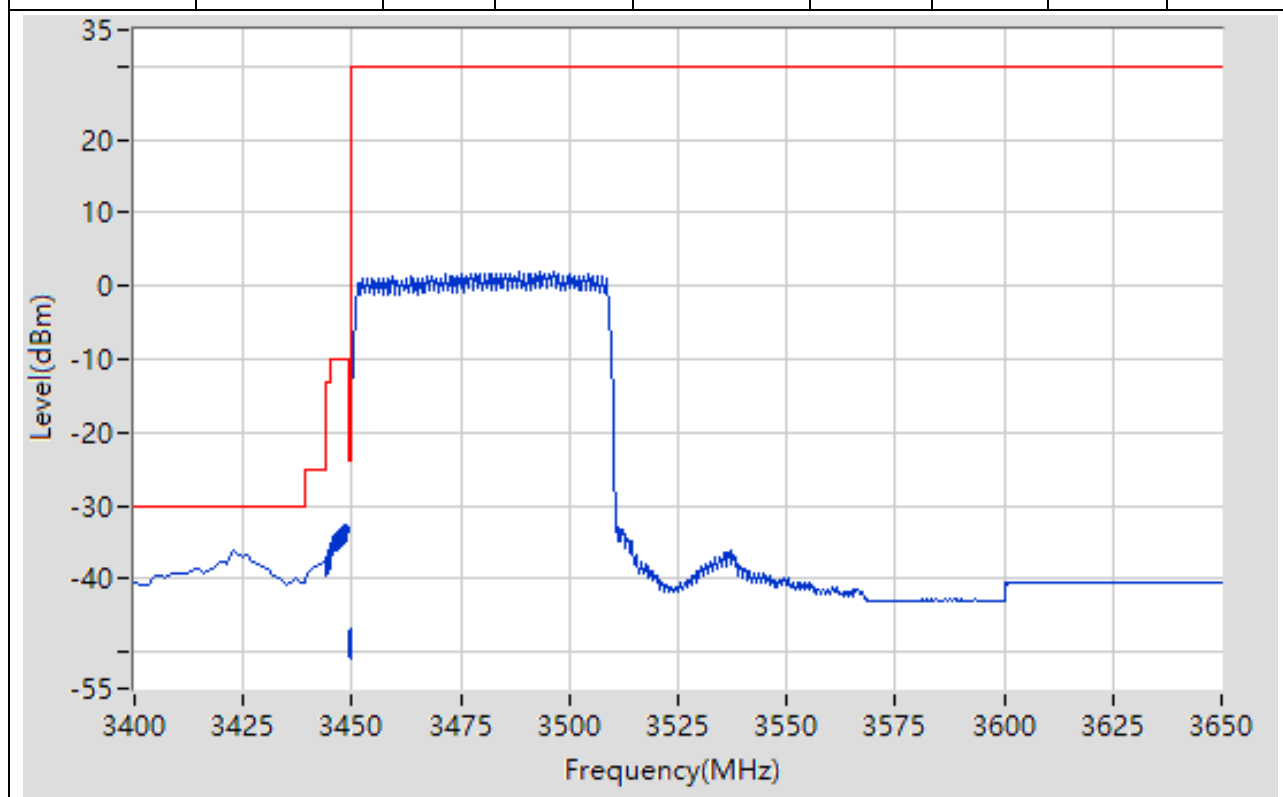
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3401            | -42.44      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3443            | -42.78      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.85         | -42.76      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.993        | -31.02      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -34.96      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 16.78       | 30          | Pass    | 601         |





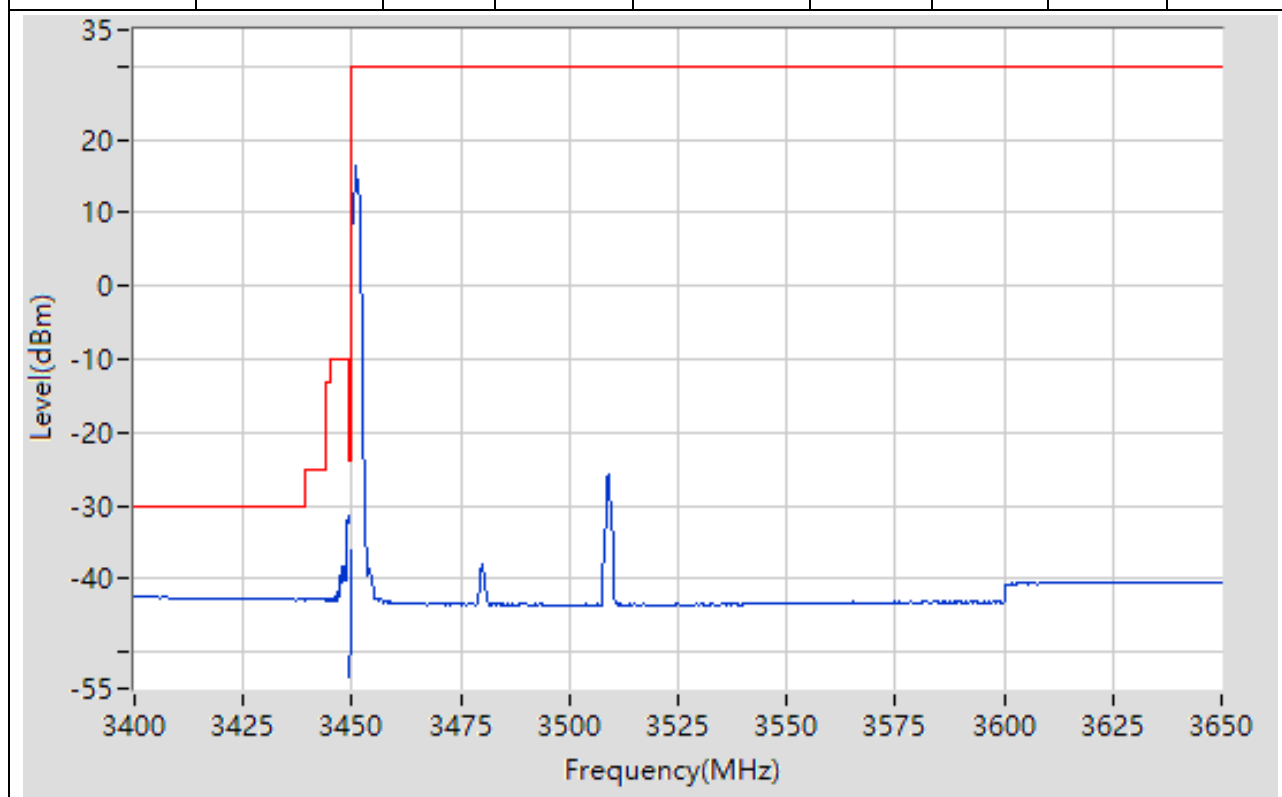
**52.10. Band Edge for SA\_IC(NTNV)(Subtest:18, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3423            | -36.15      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -37.58      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.992        | -35.78      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.467        | -32.64      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.824        | -46.95      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3496.333        | 1.9         | 30          | Pass    | 601         |



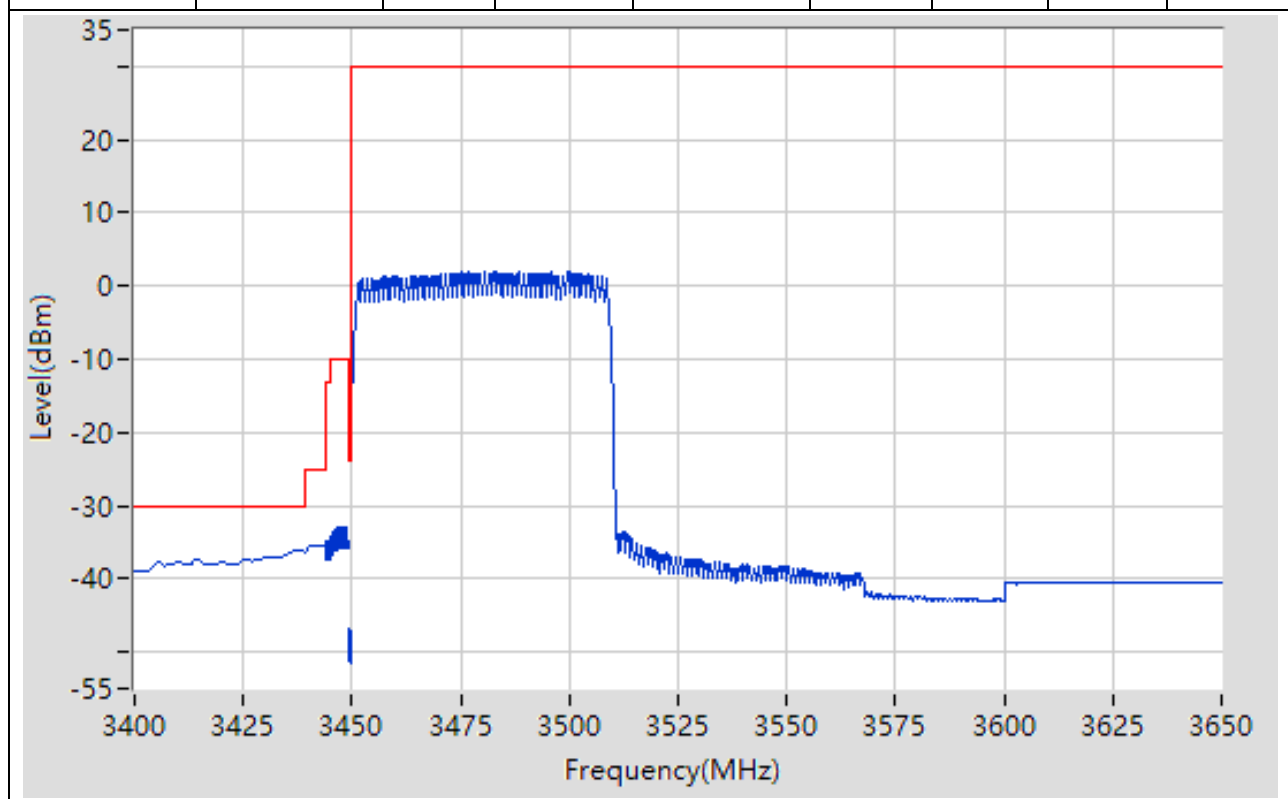
**52.11. Band Edge for SA\_IC(NTNV)(Subtest:19, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3400            | -42.41      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3442            | -42.82      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.673        | -42.76      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -31.45      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -36.19      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 16.49       | 30          | Pass    | 601         |



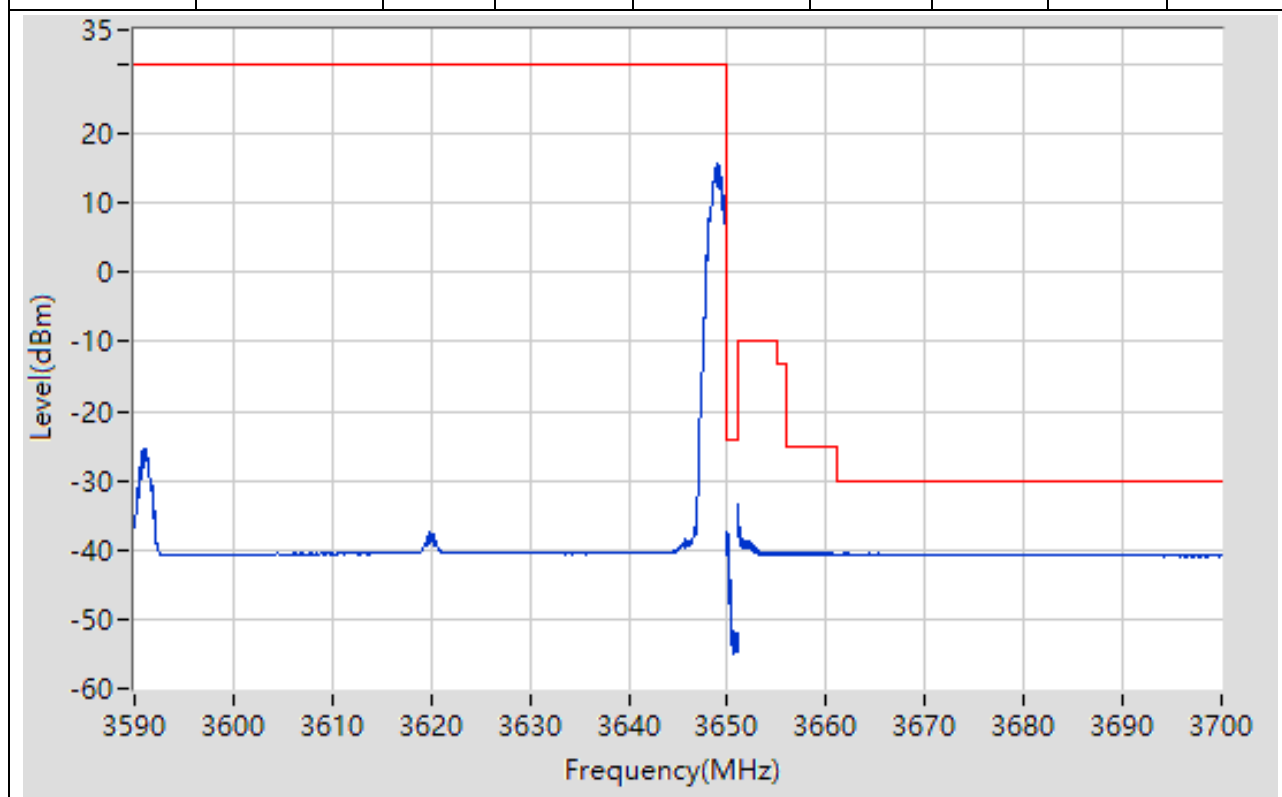
**52.12. Band Edge for SA\_IC(NTNV)(Subtest:20, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3437            | -36.05      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3442            | -35.4       | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.995        | -34.55      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.353        | -32.88      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.235        | -46.97      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3499.667        | 2.02        | 30          | Pass    | 601         |



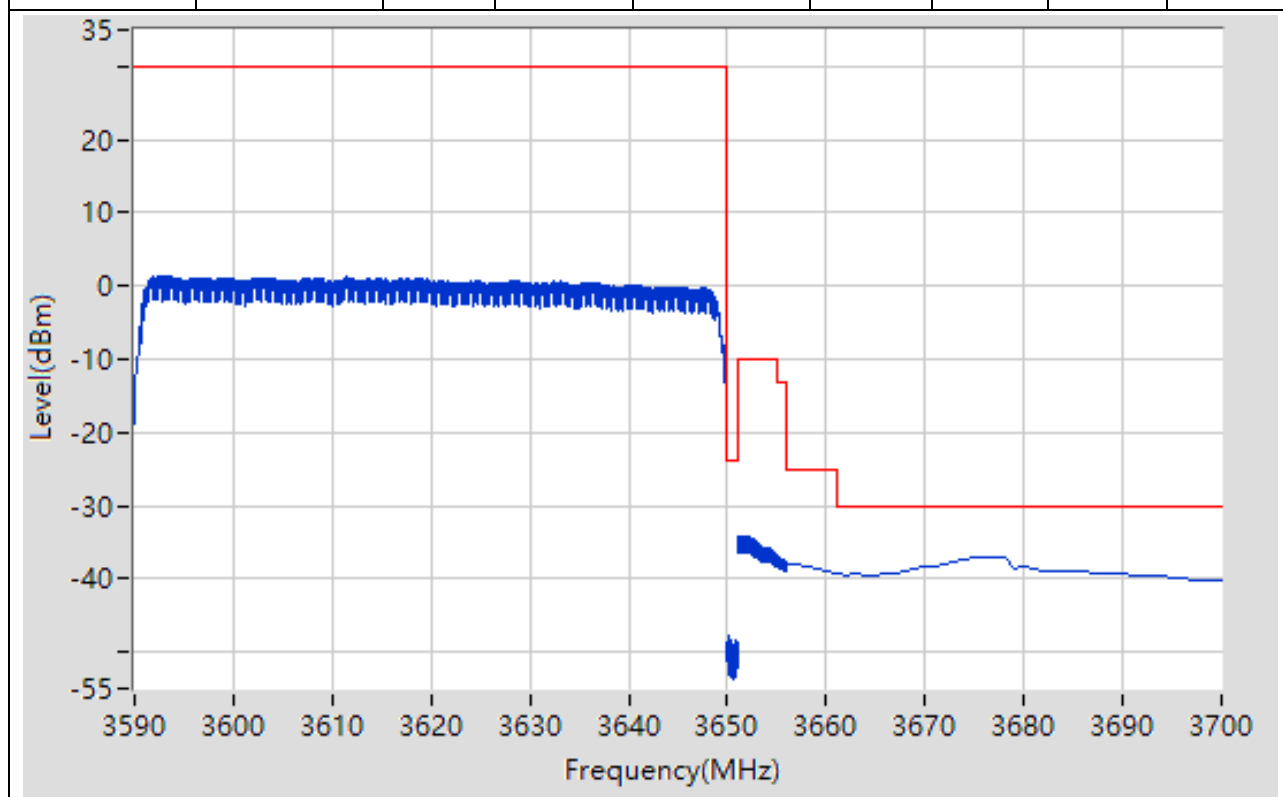
**52.13. Band Edge for SA\_IC(NTNV)(Subtest:21, Channel:641334, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3649            | 15.66       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.002        | -37.53      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.007        | -33.59      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.338        | -40.38      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657.992        | -40.45      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3661.975        | -40.54      | -30         | Pass    | 601         |



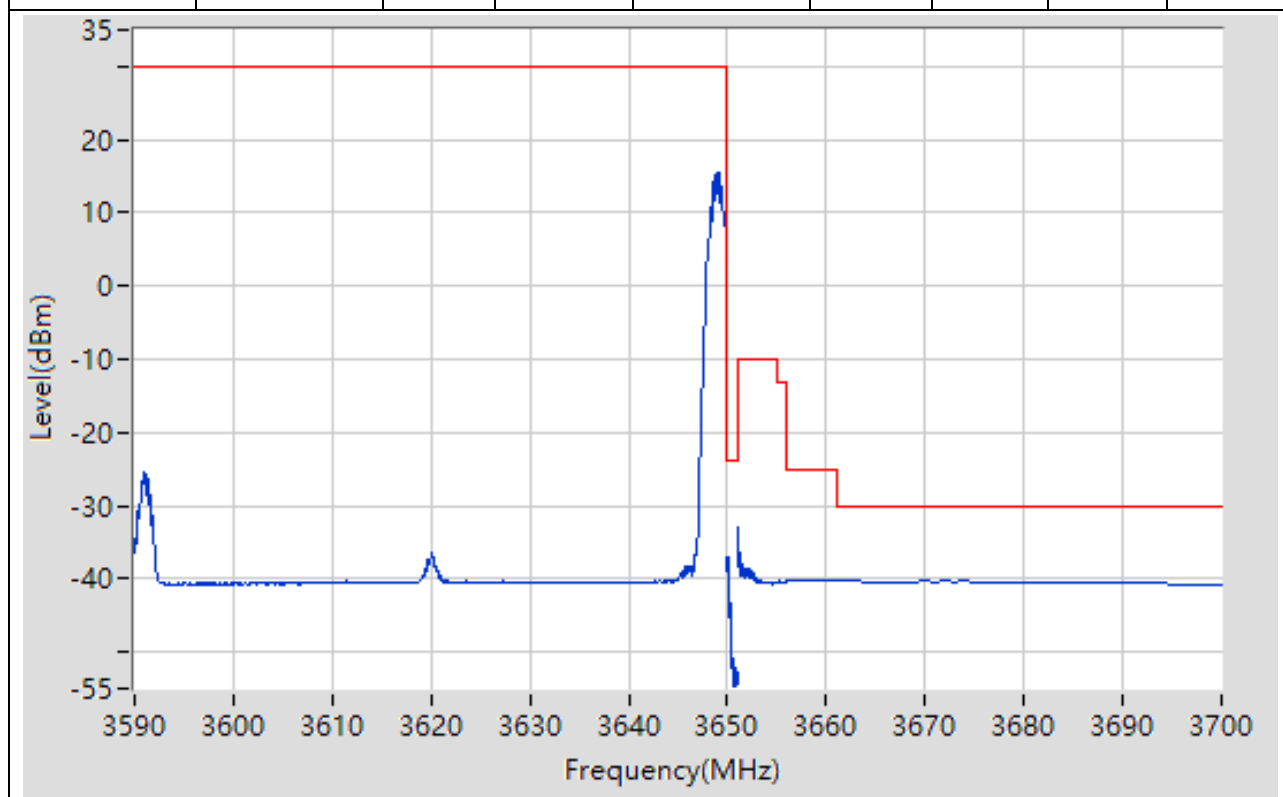
**52.14. Band Edge for SA\_IC(NTNV)(Subtest:22, Channel:641334, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3593.5          | 1.24        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.095        | -47.67      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.573        | -34.08      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.012        | -36.78      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -37.9       | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3677            | -37.01      | -30         | Pass    | 40          |



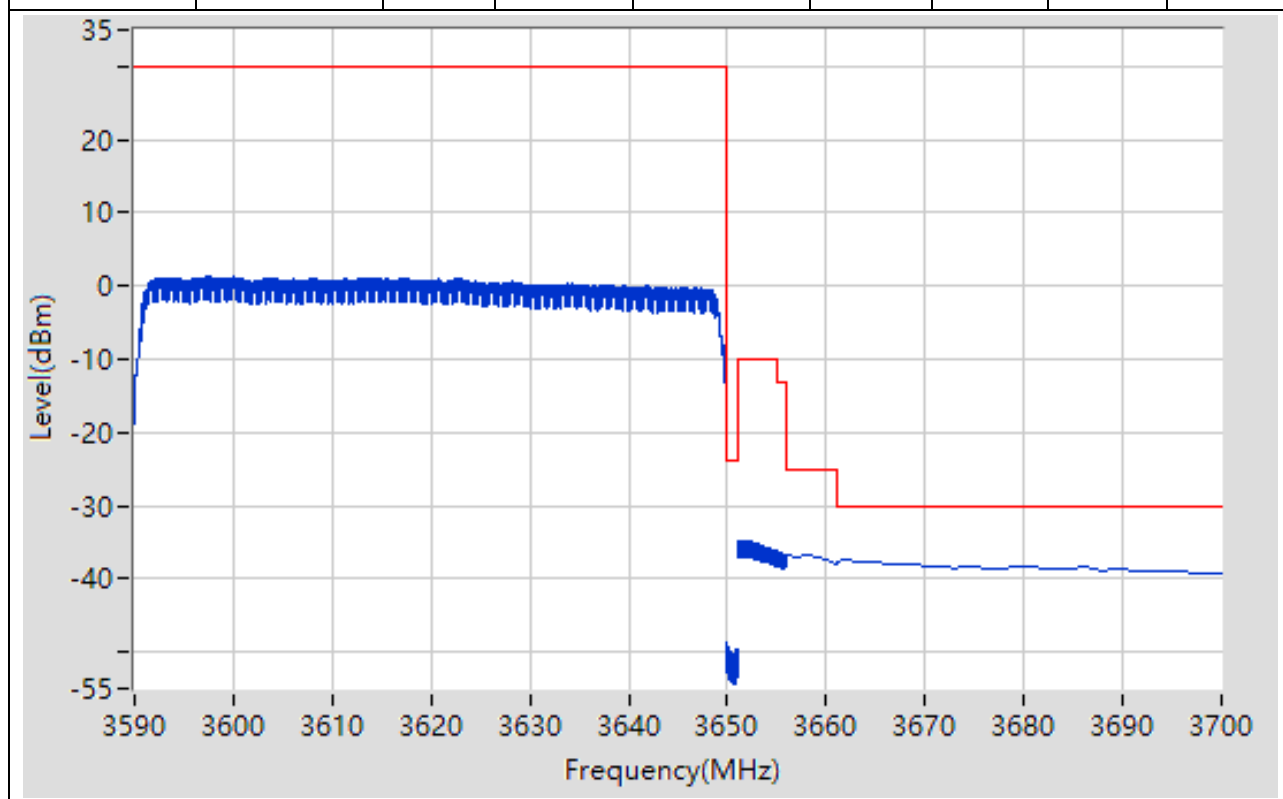
**52.15. Band Edge for SA\_IC(NTNV)(Subtest:23, Channel:641334, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3648.9          | 15.54       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.008        | -36.96      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -33.13      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.187        | -40.36      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -40.25      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -40.25      | -30         | Pass    | 40          |



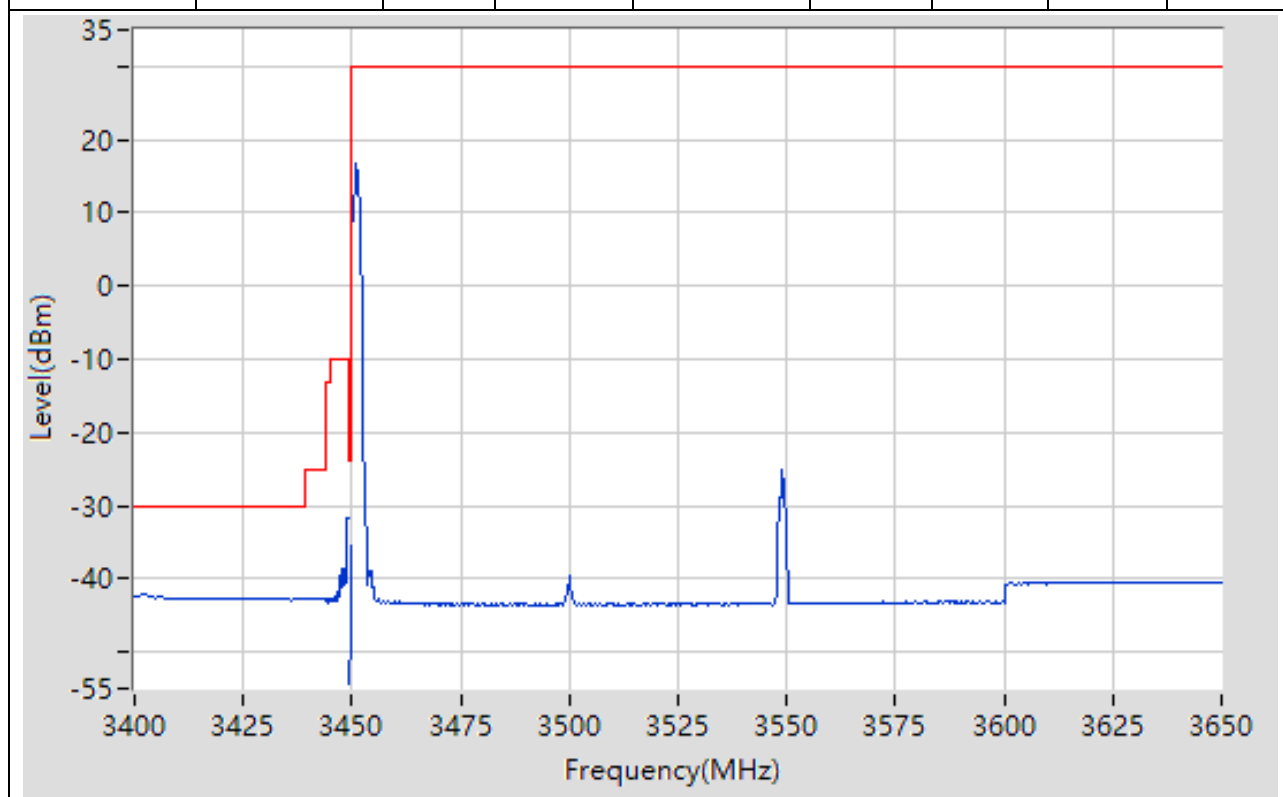
**52.16. Band Edge for SA\_IC(NTNV)(Subtest:24, Channel:641334, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3597.6          | 1.21        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.002        | -48.7       | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3652.32         | -34.8       | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.007        | -36.23      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -36.81      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3662            | -37.48      | -30         | Pass    | 40          |



**52.17. Band Edge for SA\_IC(NTNV)(Subtest:25, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

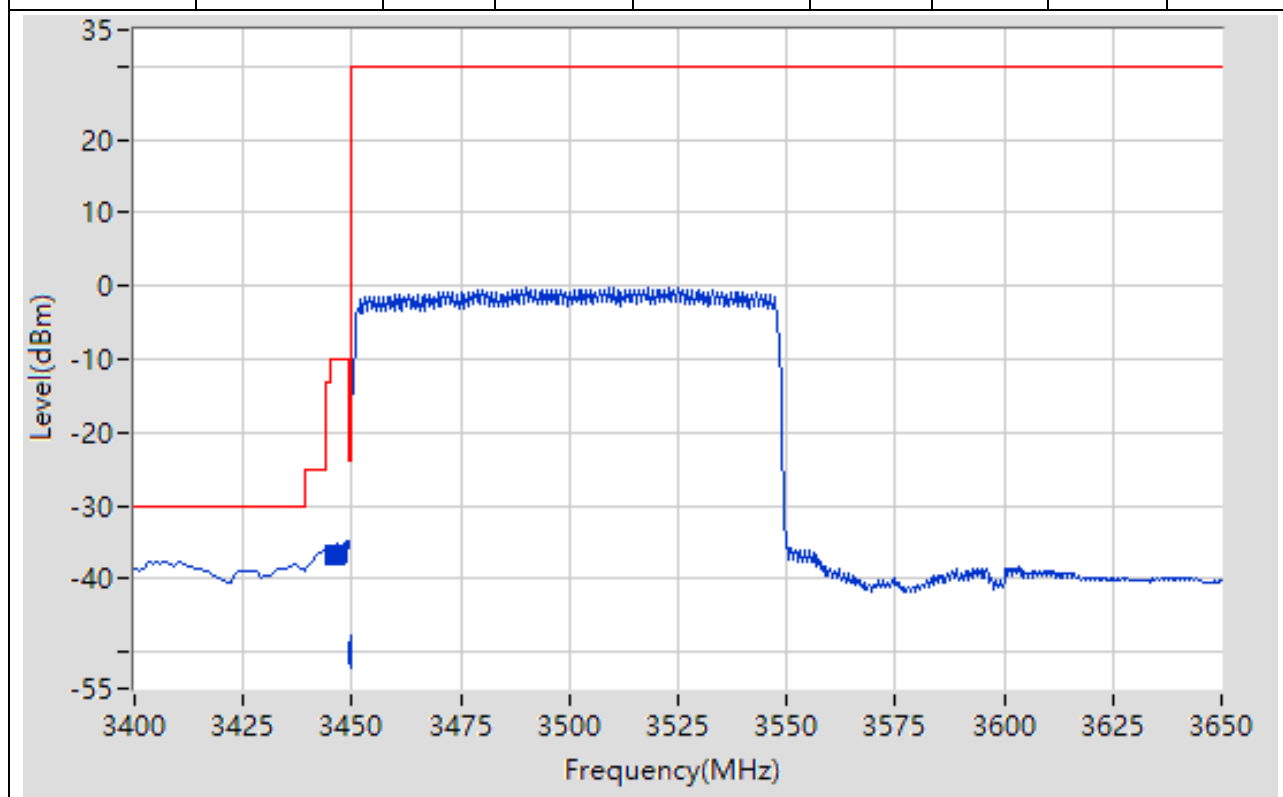
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3402            | -42.24      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3441            | -42.75      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.903        | -42.76      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -31.59      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -35.53      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 16.82       | 30          | Pass    | 601         |





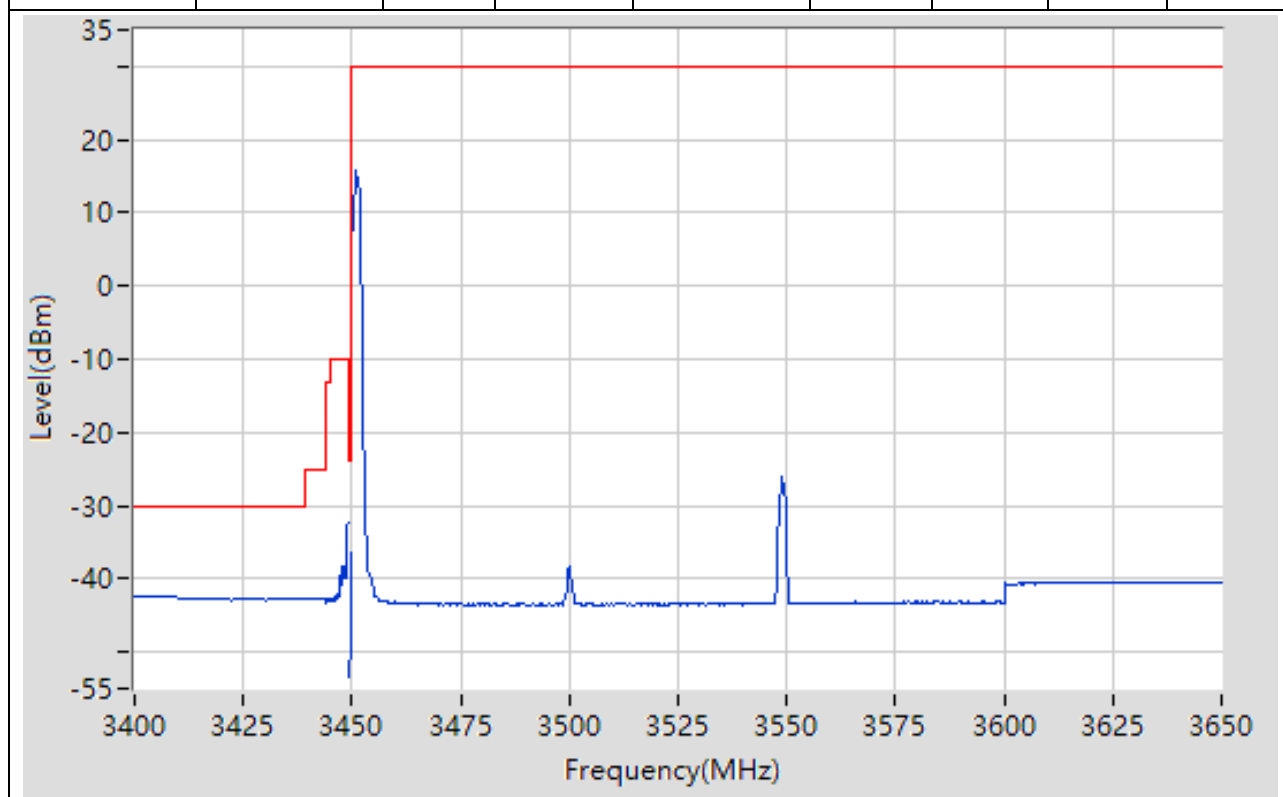
**52.18. Band Edge for SA\_IC(NTNV)(Subtest:26, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3405            | -37.66      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -36.05      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.99         | -35.5       | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.987        | -34.75      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.882        | -47.82      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3525            | -0.29       | 30          | Pass    | 601         |



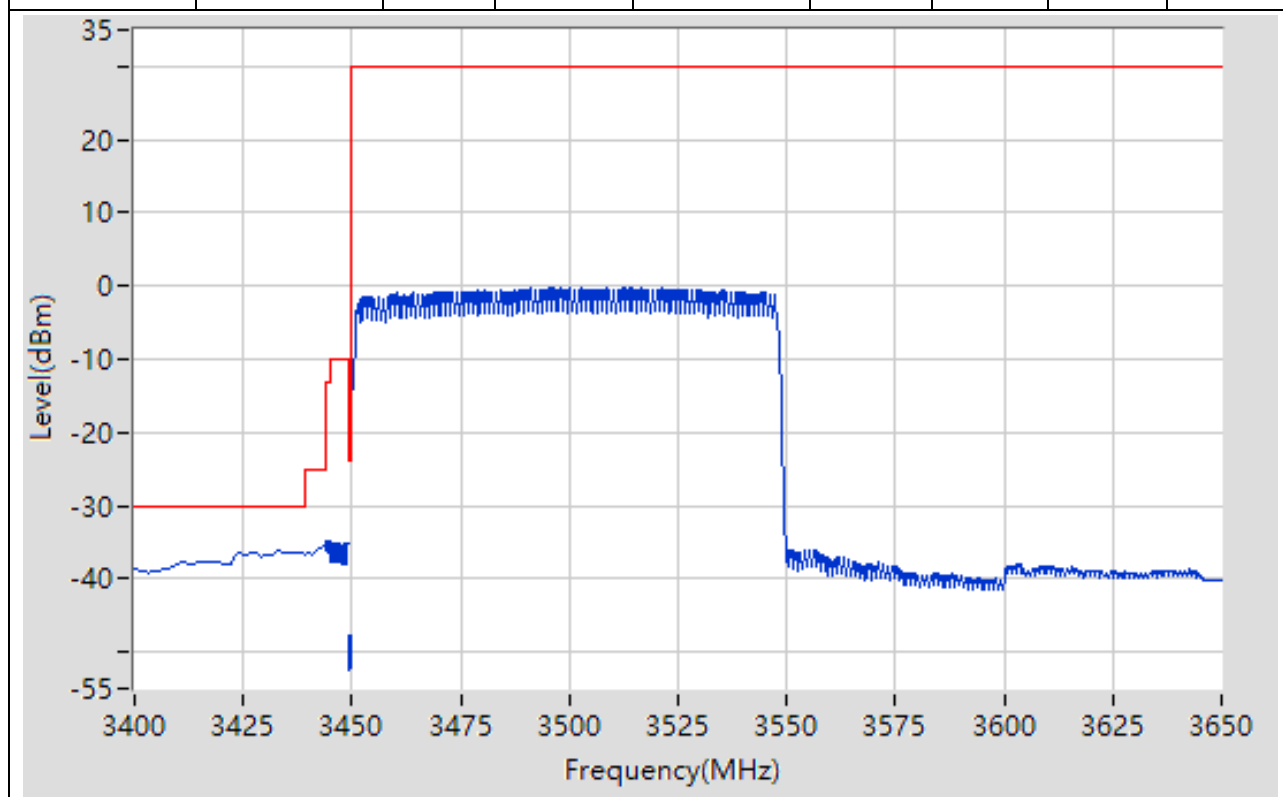
**52.19. Band Edge for SA\_IC(NTNV)(Subtest:27, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3402            | -42.32      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3441            | -42.76      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.84         | -42.76      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -32.44      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -36.52      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 15.87       | 30          | Pass    | 601         |



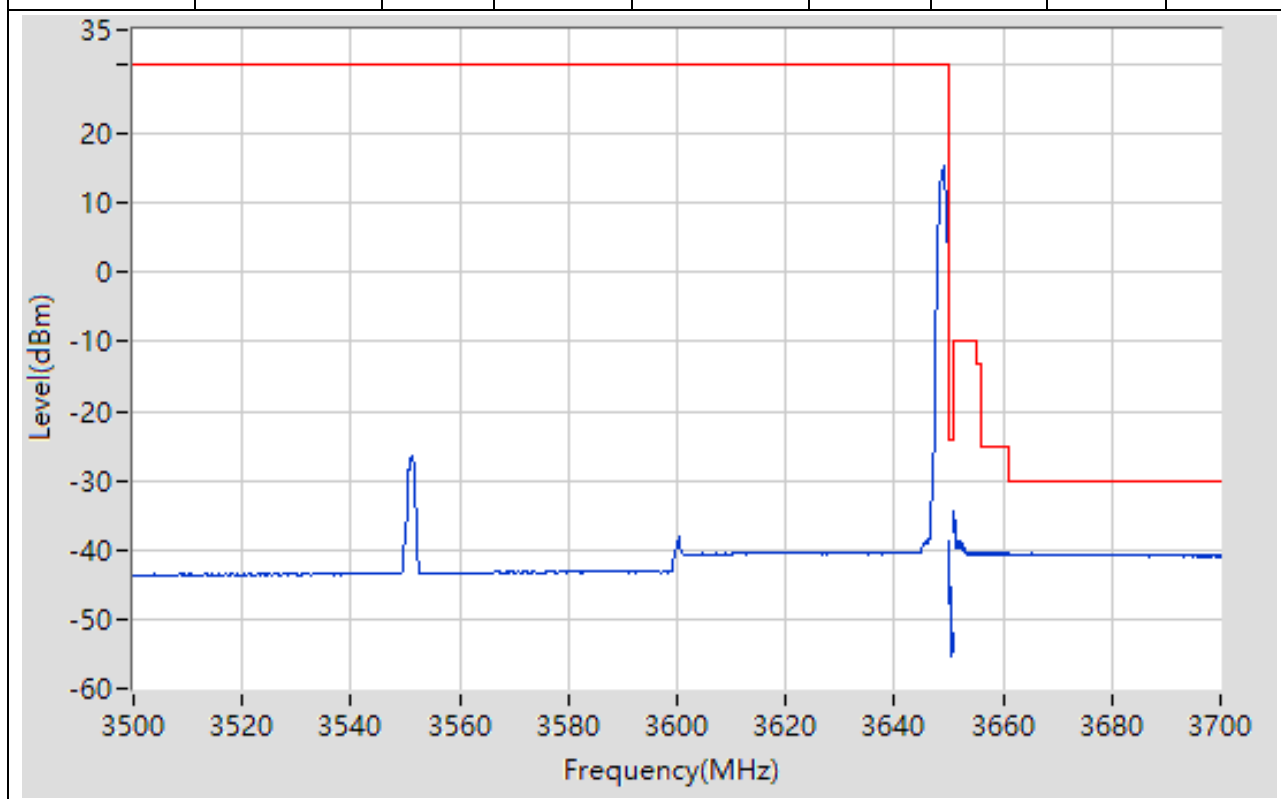
**52.20. Band Edge for SA\_IC(NTNV)(Subtest:28, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3433            | -36.21      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -35.39      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.03         | -34.89      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3445.033        | -35.14      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.412        | -47.82      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3491            | -0.28       | 30          | Pass    | 601         |



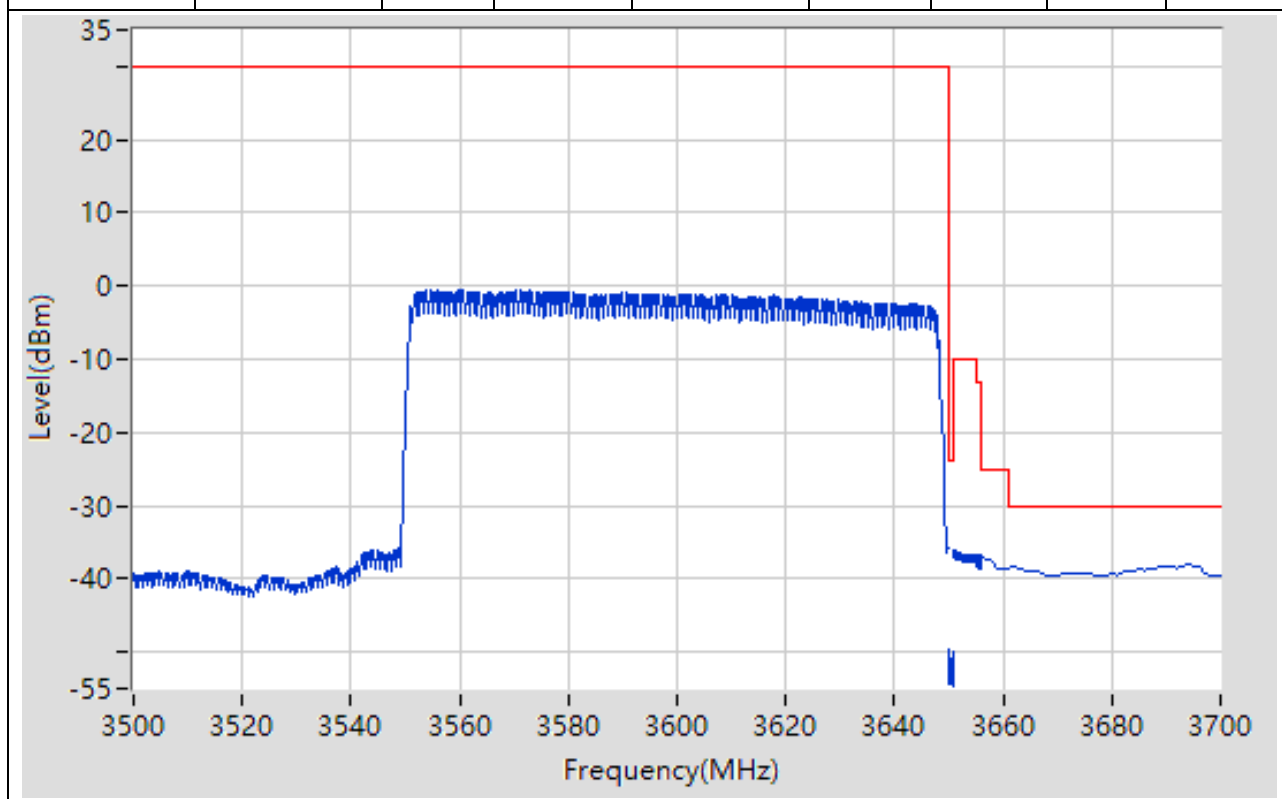
**52.21. Band Edge for SA\_IC(NTNV)(Subtest:29, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3649            | 15.42       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.003        | -38.69      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -34.48      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.073        | -40.4       | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658.583        | -40.48      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3665.225        | -40.55      | -30         | Pass    | 601         |



**52.22. Band Edge for SA\_IC(NTNV)(Subtest:30, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3560.5          | -0.6        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.008        | -49.61      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -36.25      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.065        | -36.66      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -37.04      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3694            | -38.16      | -30         | Pass    | 40          |



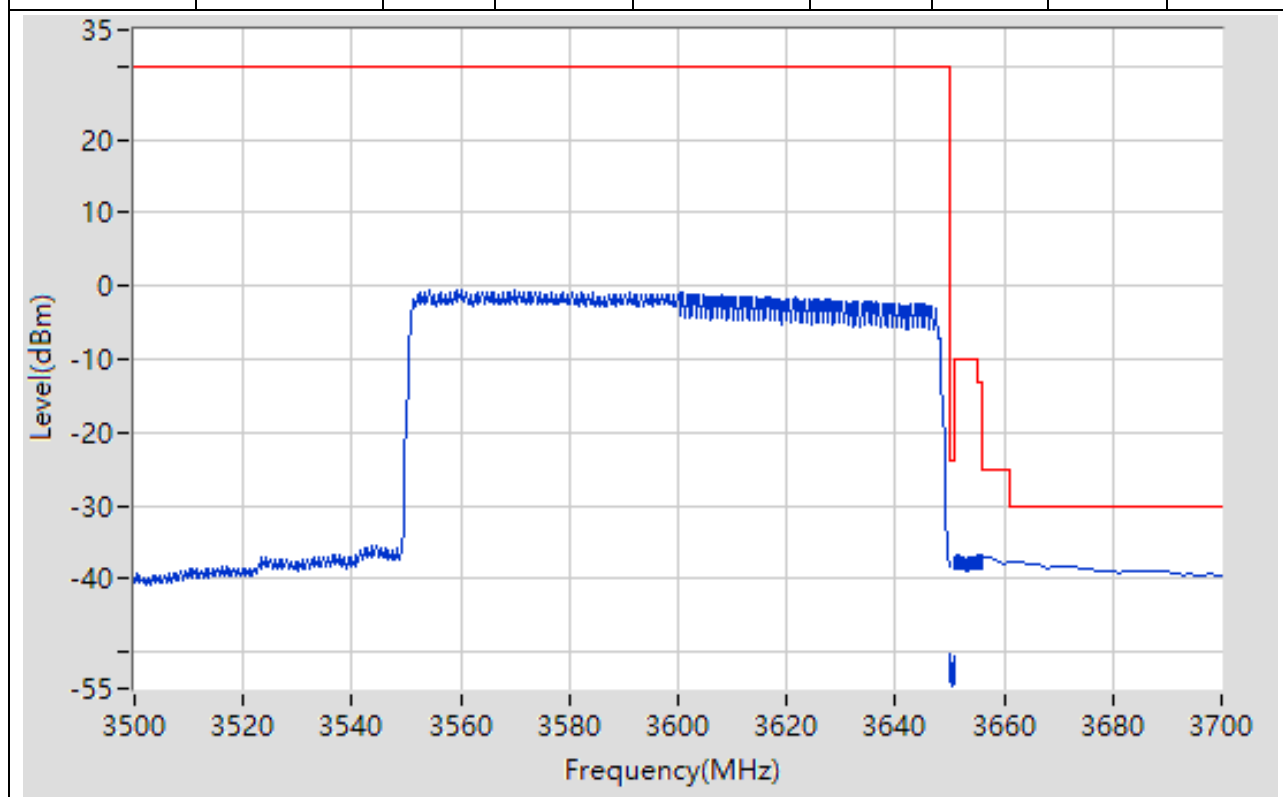
**52.23. Band Edge for SA\_IC(NTNV)(Subtest:31, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3649            | 15.37       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.003        | -37.23      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -33.66      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.218        | -40.38      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -40.23      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -40.28      | -30         | Pass    | 40          |



**52.24. Band Edge for SA\_IC(NTNV)(Subtest:32, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

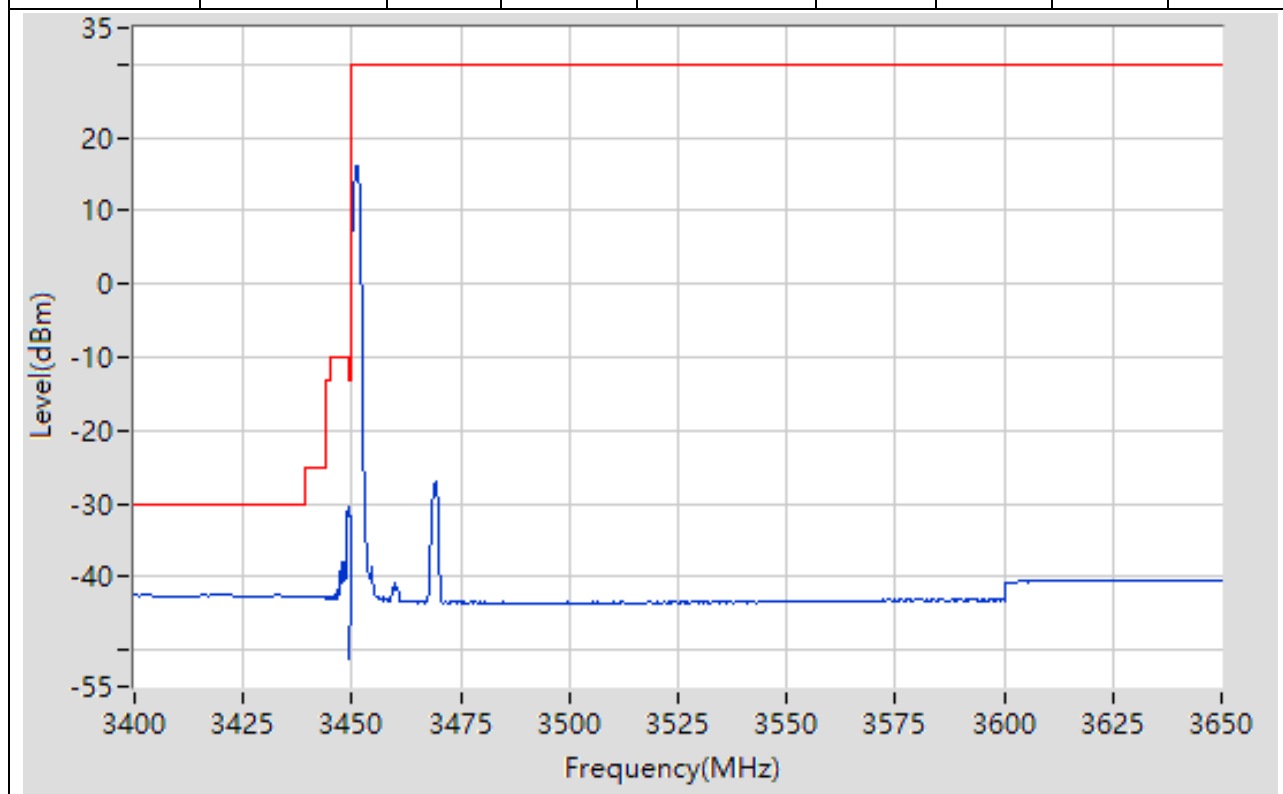
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3560.25         | -0.46       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.085        | -50.31      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.267        | -36.83      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.315        | -36.8       | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657            | -37.01      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3662            | -37.62      | -30         | Pass    | 40          |



### 53. n77 30kHz(3450-3650MHz)\_MIMO-ANT4

53.1. Band Edge for SA\_IC(NTNV)(Subtest:1, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)

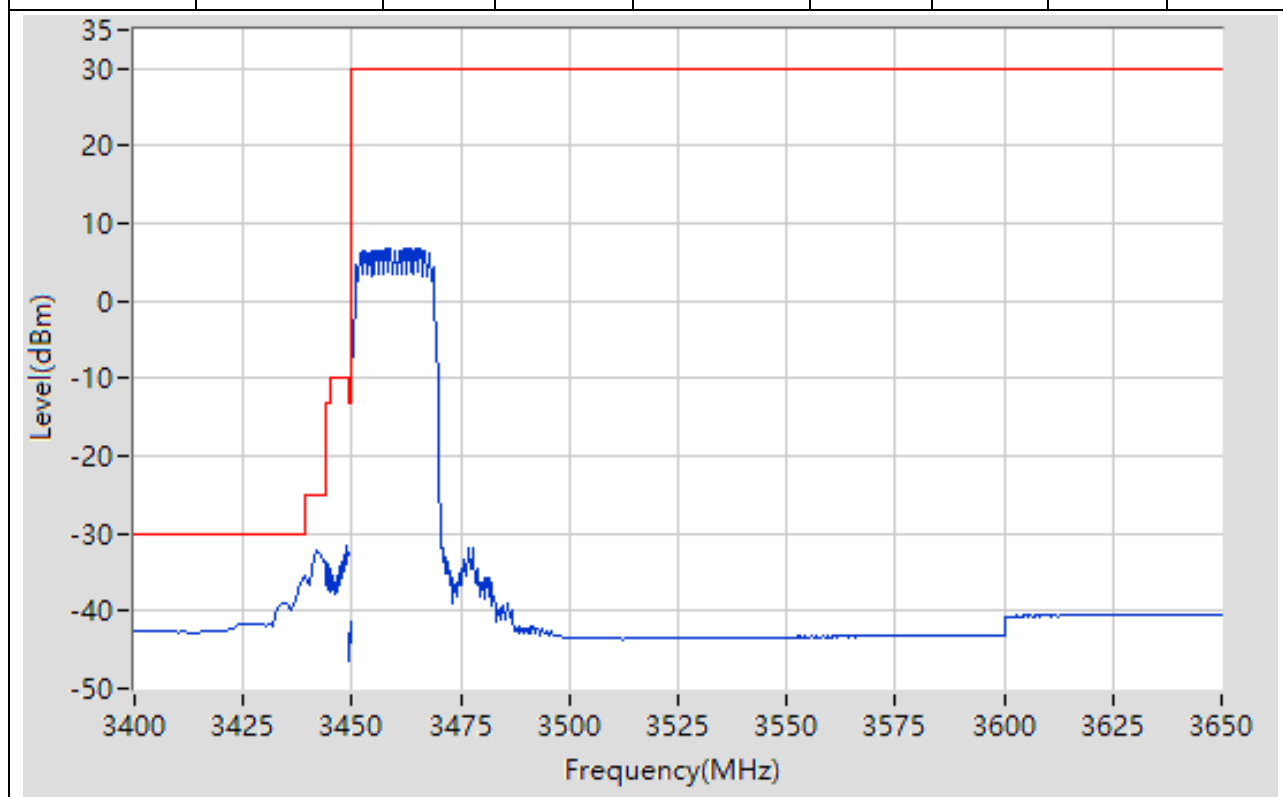
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3433            | -42.46      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3442            | -42.59      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.598        | -42.73      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -30.55      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -31.87      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3450.667        | 16.09       | 30          | Pass    | 601         |





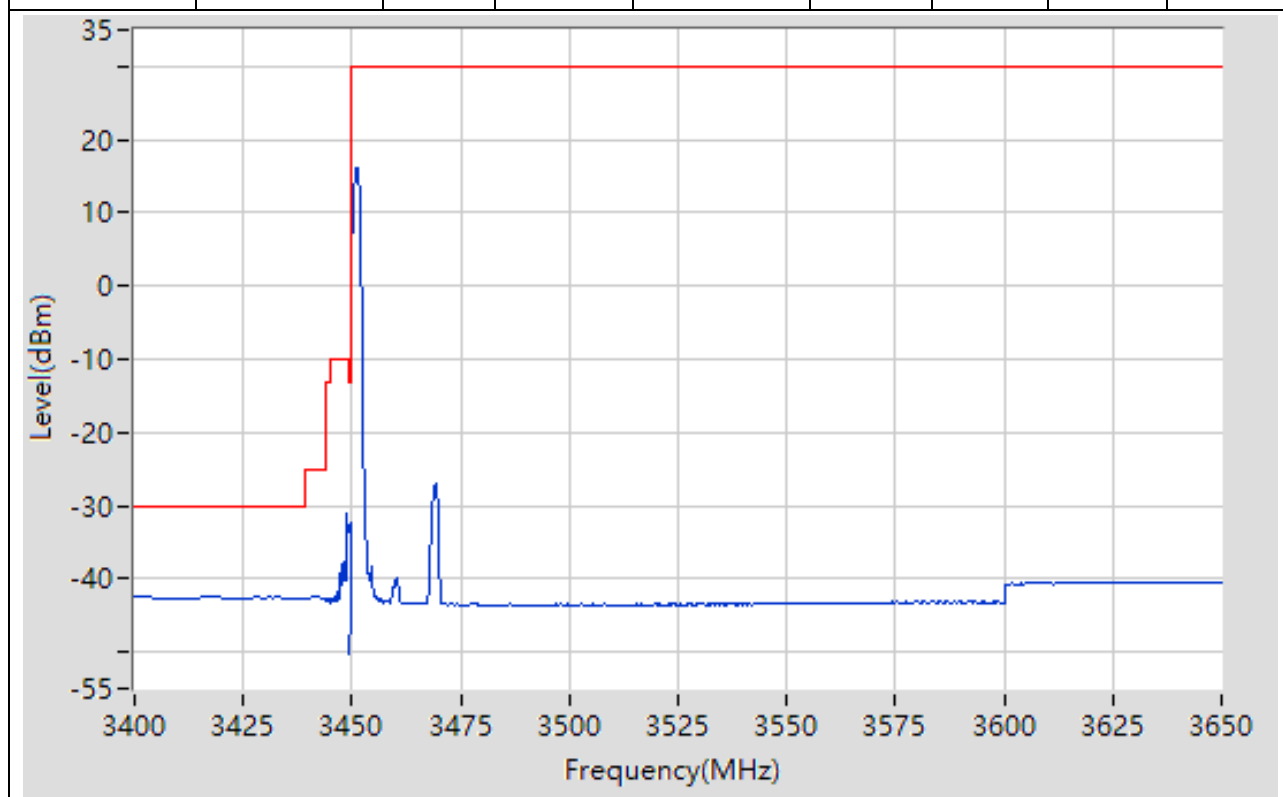
**53.2. Band Edge for SA\_IC(NTNV)(Subtest:2, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:53, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3439            | -35.57      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3442            | -32.28      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.005        | -33.67      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.993        | -31.6       | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -41.32      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3463            | 6.79        | 30          | Pass    | 601         |



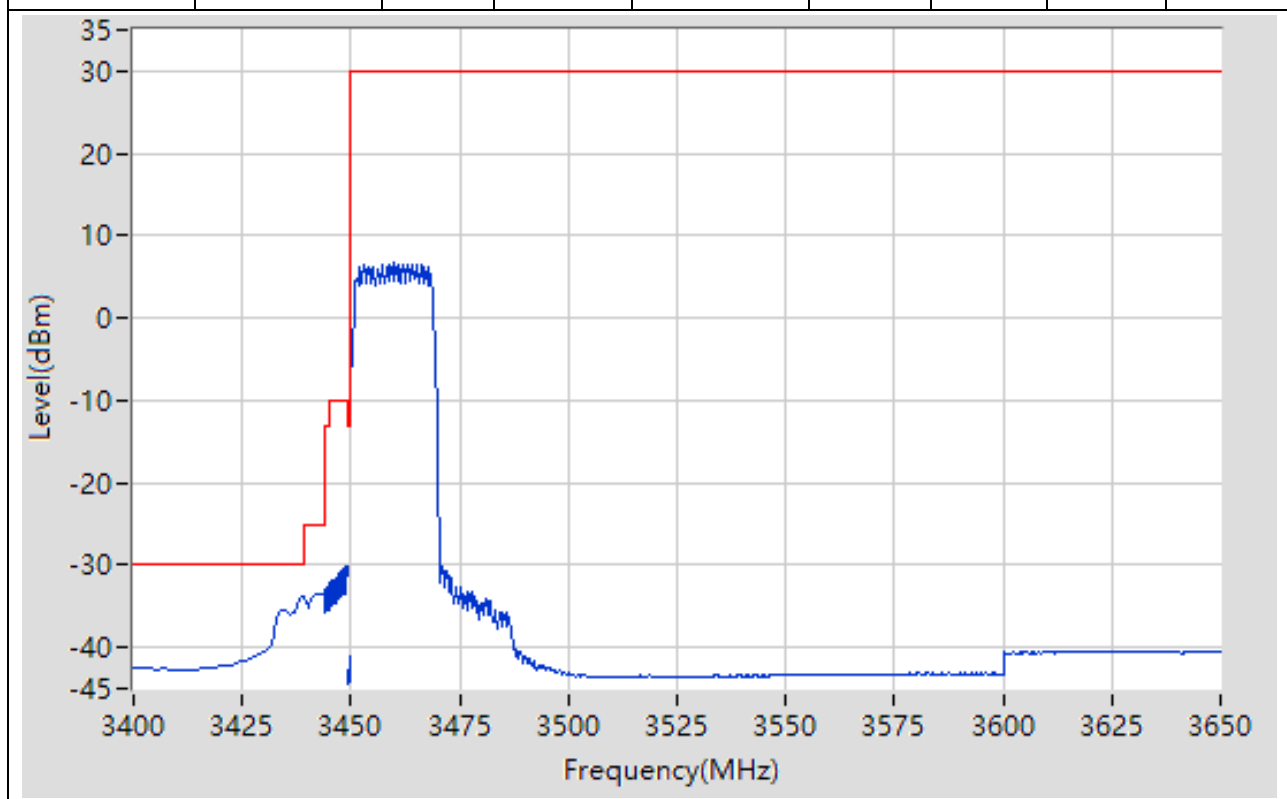
**53.3. Band Edge for SA\_IC(NTNV)(Subtest:3, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3433            | -42.46      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3442            | -42.55      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.86         | -42.73      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.993        | -31.2       | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -32.24      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3450.667        | 16.13       | 30          | Pass    | 601         |



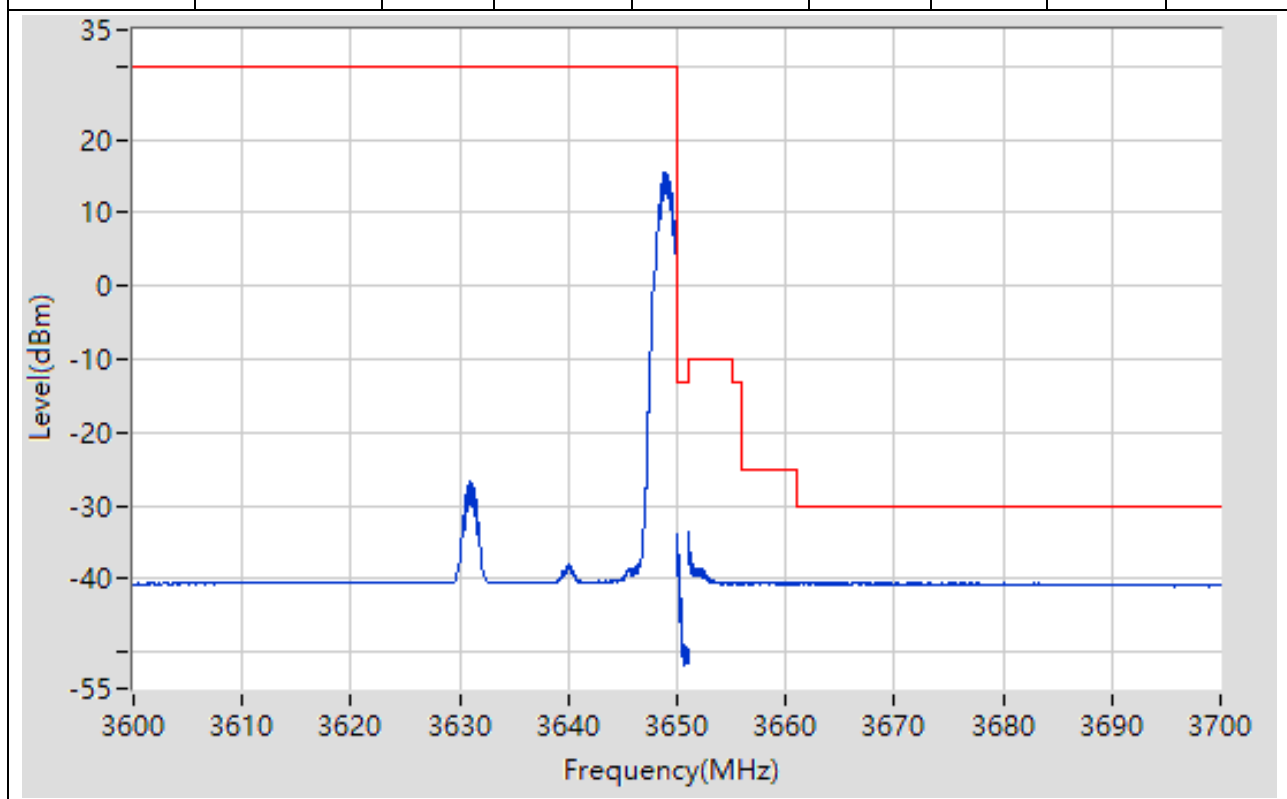
**53.4. Band Edge for SA\_IC(NTNV)(Subtest:4, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:53, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3439            | -33.8       | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3442            | -33.48      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.987        | -32.41      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.947        | -30.27      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -41.19      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3460            | 6.74        | 30          | Pass    | 601         |



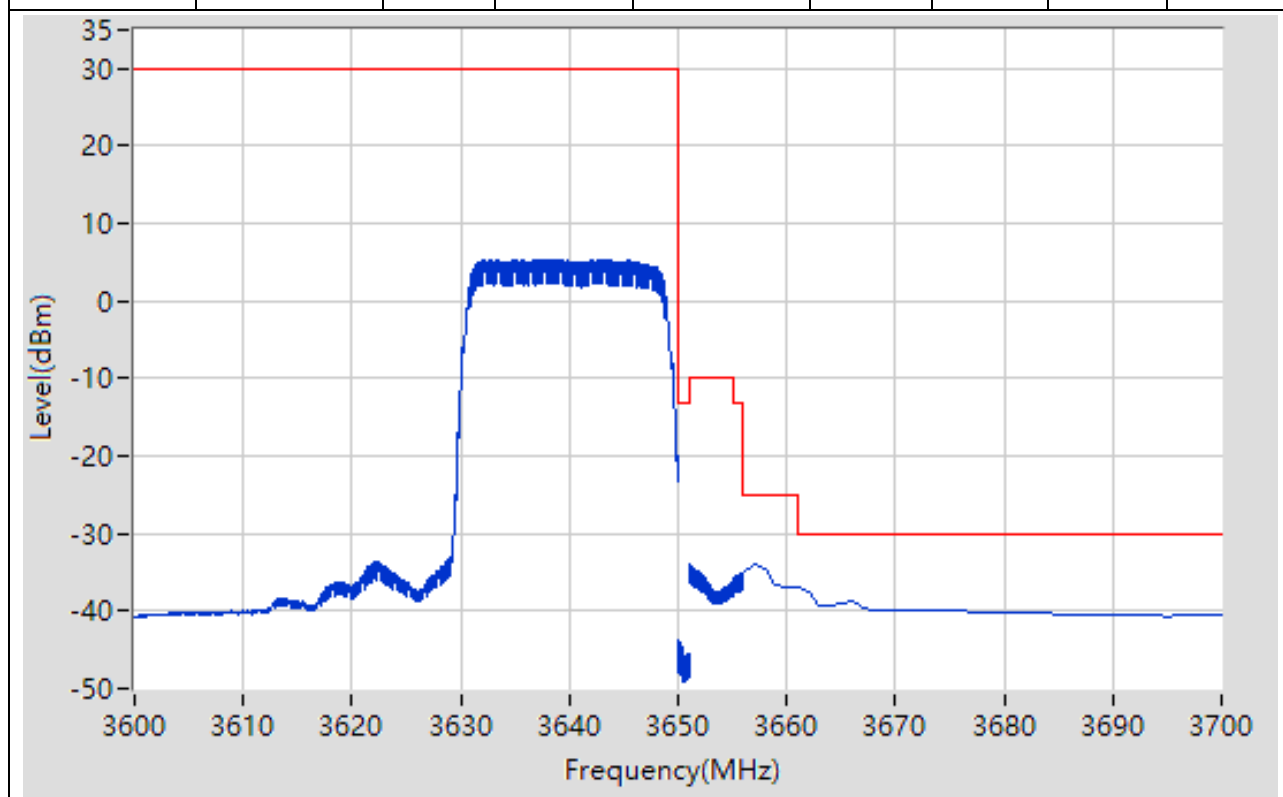
**53.5. Band Edge for SA\_IC(NTNV)(Subtest:5, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3649            | 15.57       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.003        | -33.87      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.007        | -33.59      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.095        | -40.45      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657.717        | -40.42      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3666.33         | -40.56      | -30         | Pass    | 601         |



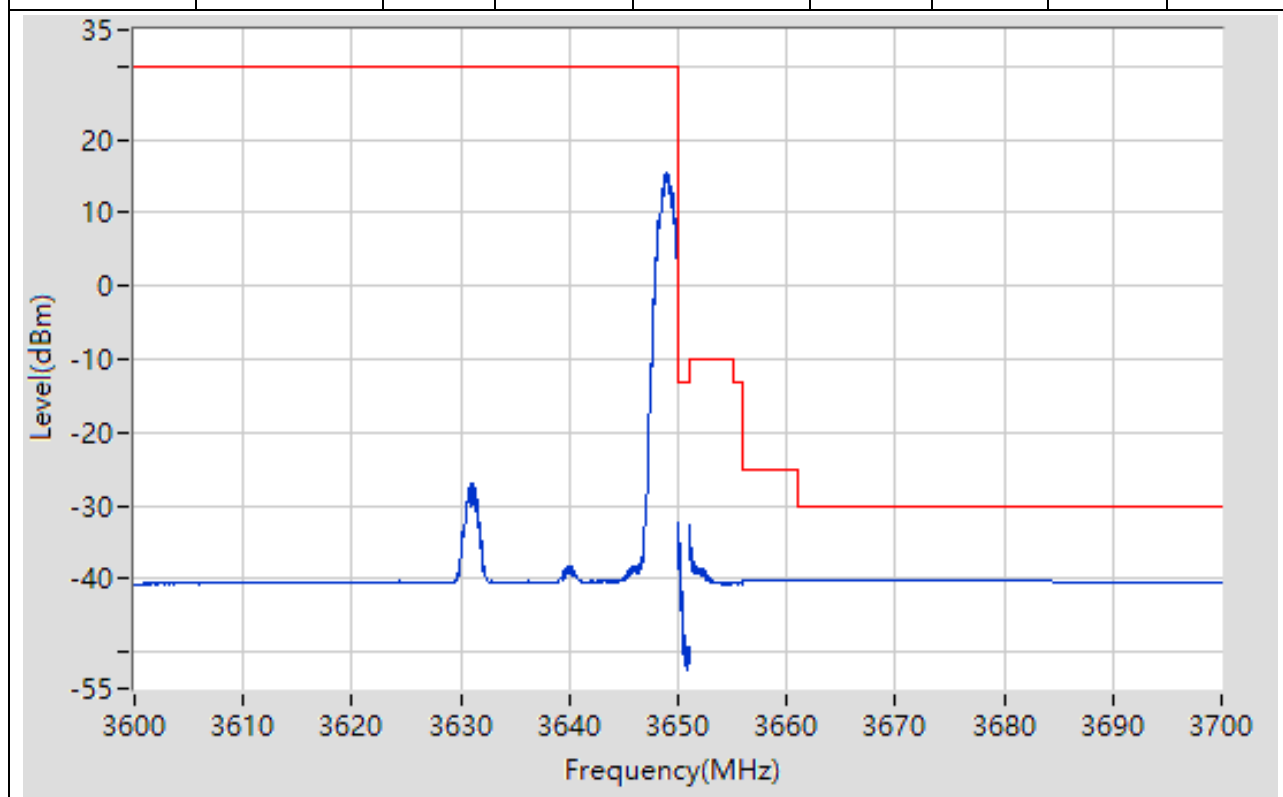
**53.6. Band Edge for SA\_IC(NTNV)(Subtest:6, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:53, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3638.5          | 5.38        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650            | -43.87      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.053        | -33.9       | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.993        | -35.05      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657            | -33.93      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -36.83      | -30         | Pass    | 40          |



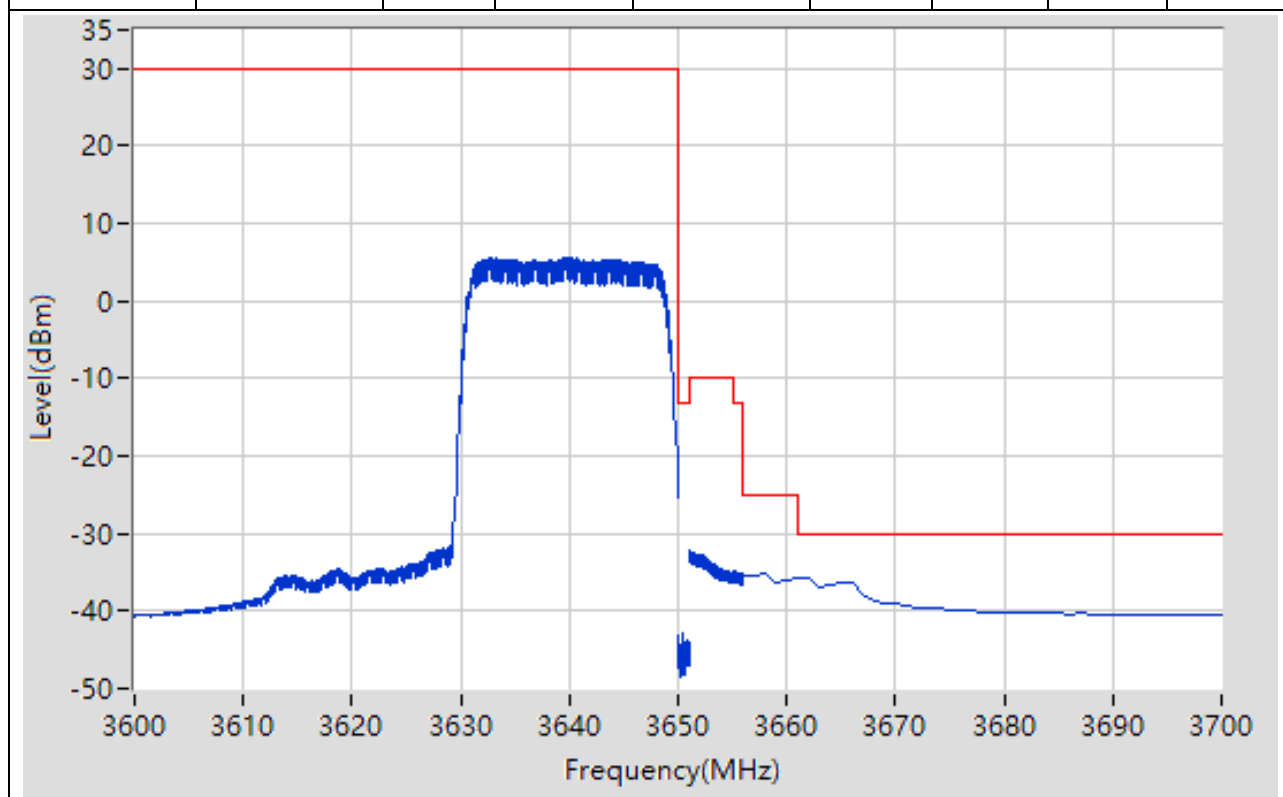
**53.7. Band Edge for SA\_IC(NTNV)(Subtest:7, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3649            | 15.63       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650            | -32.44      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.007        | -32.73      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.132        | -40.37      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -40.13      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3667            | -40.13      | -30         | Pass    | 40          |



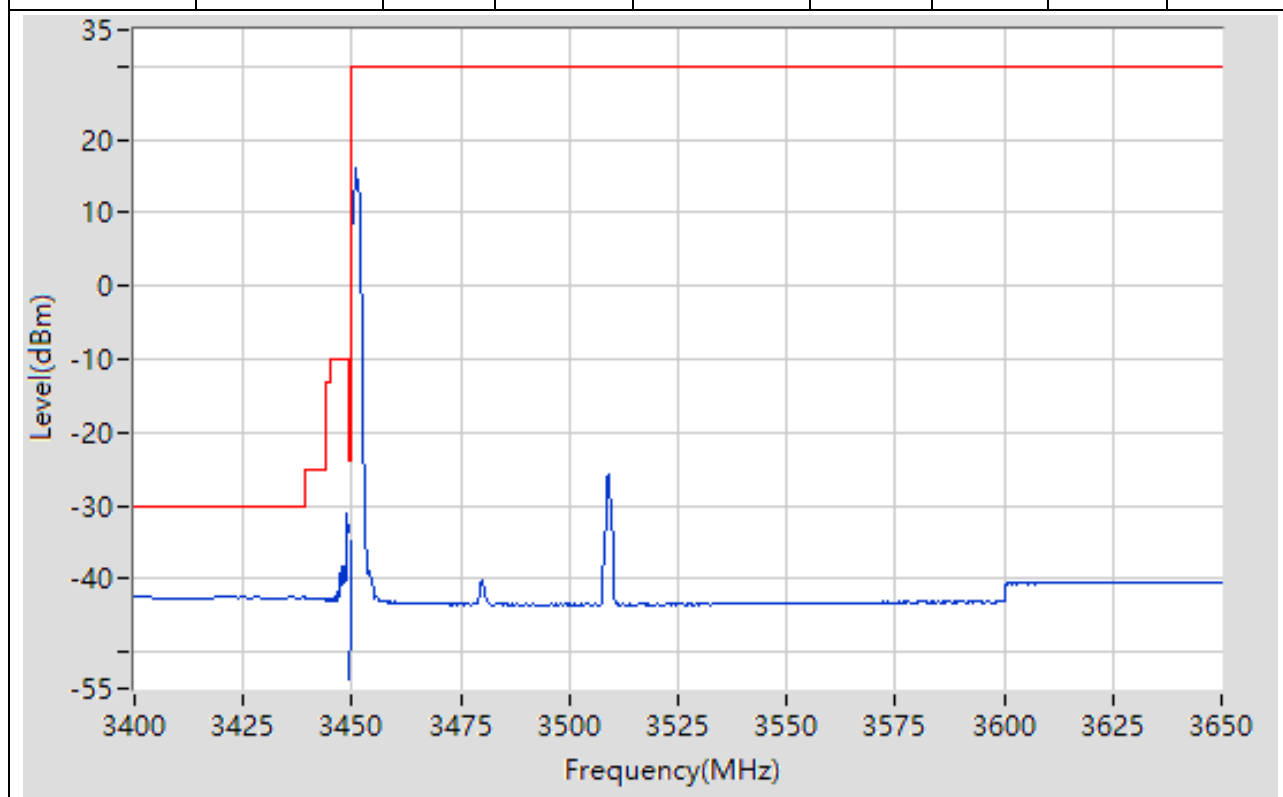
**53.8. Band Edge for SA\_IC(NTNV)(Subtest:8, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:53, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3639.917        | 5.61        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.48         | -42.76      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.007        | -32.14      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.052        | -34.87      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -35.16      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -35.68      | -30         | Pass    | 40          |



**53.9. Band Edge for SA\_IC(NTNV)(Subtest:17, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

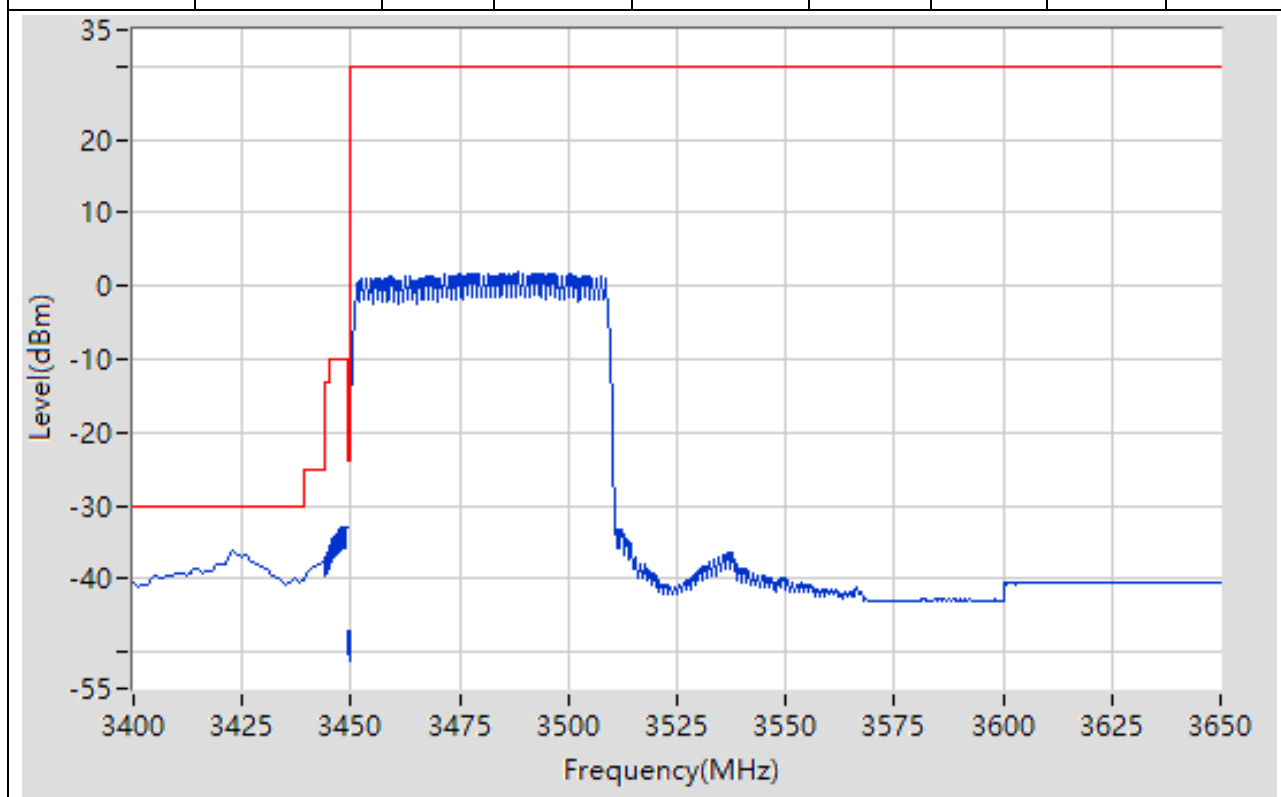
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3422            | -42.4       | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3441            | -42.57      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.417        | -42.71      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.993        | -30.97      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -34.78      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 16.26       | 30          | Pass    | 601         |





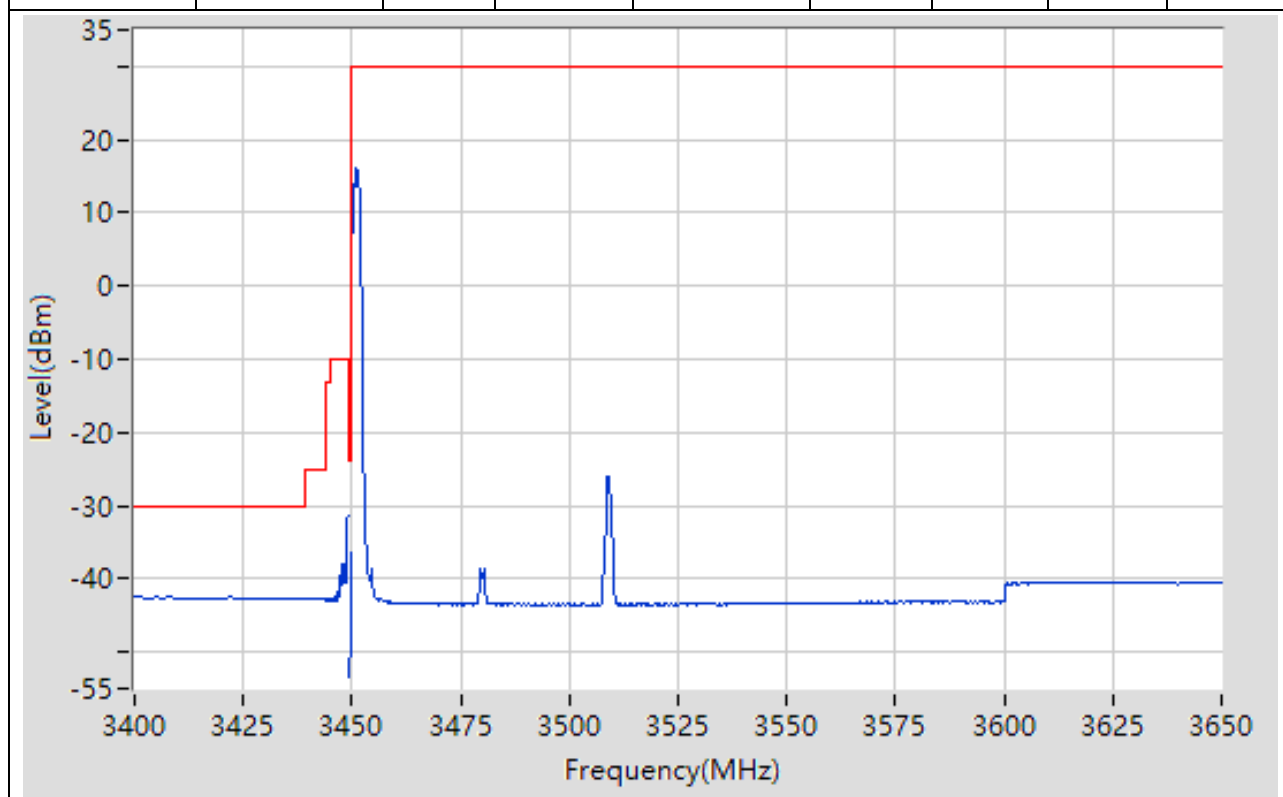
**53.10. Band Edge for SA\_IC(NTNV)(Subtest:18, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3423            | -36.26      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -37.67      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.988        | -35.98      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.7          | -32.85      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449            | -47.03      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3488.667        | 1.82        | 30          | Pass    | 601         |



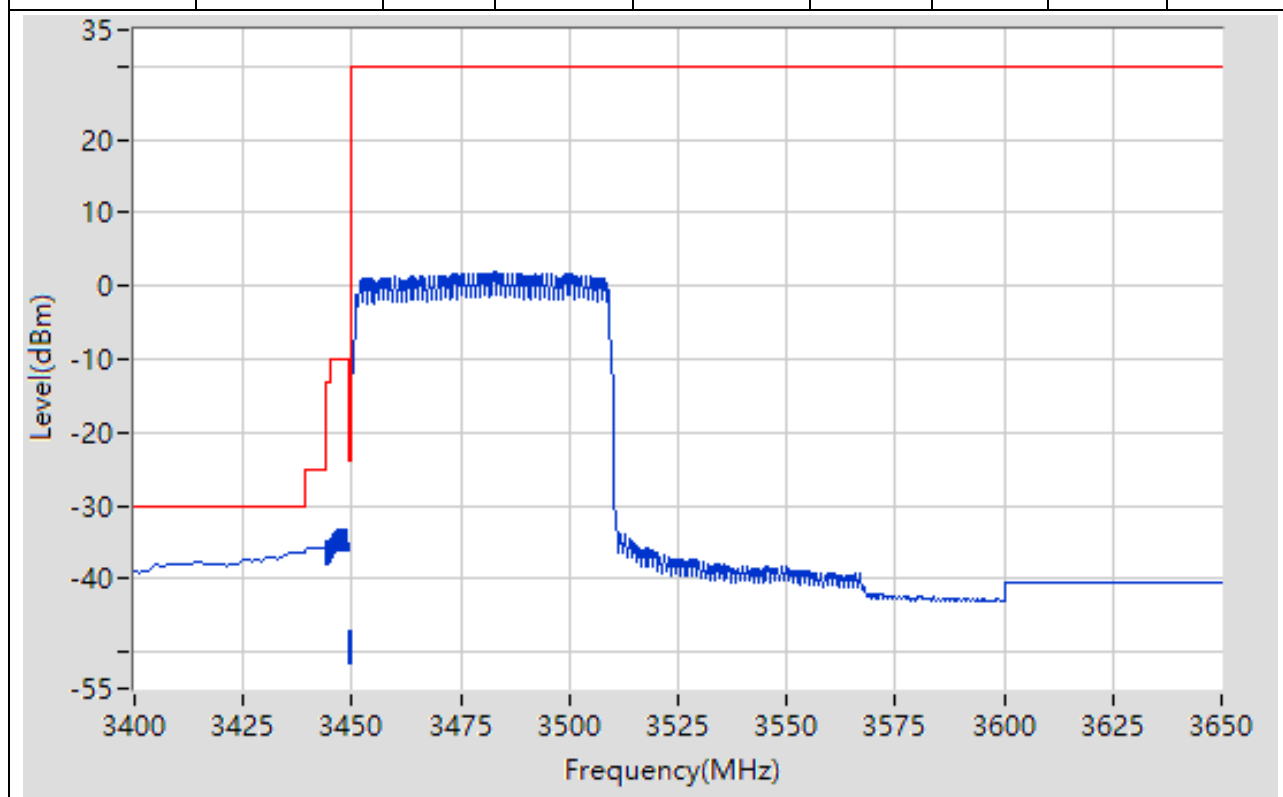
**53.11. Band Edge for SA\_IC(NTNV)(Subtest:19, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3422            | -42.44      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3441            | -42.61      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.657        | -42.73      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -31.42      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -36.31      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3450.667        | 15.99       | 30          | Pass    | 601         |



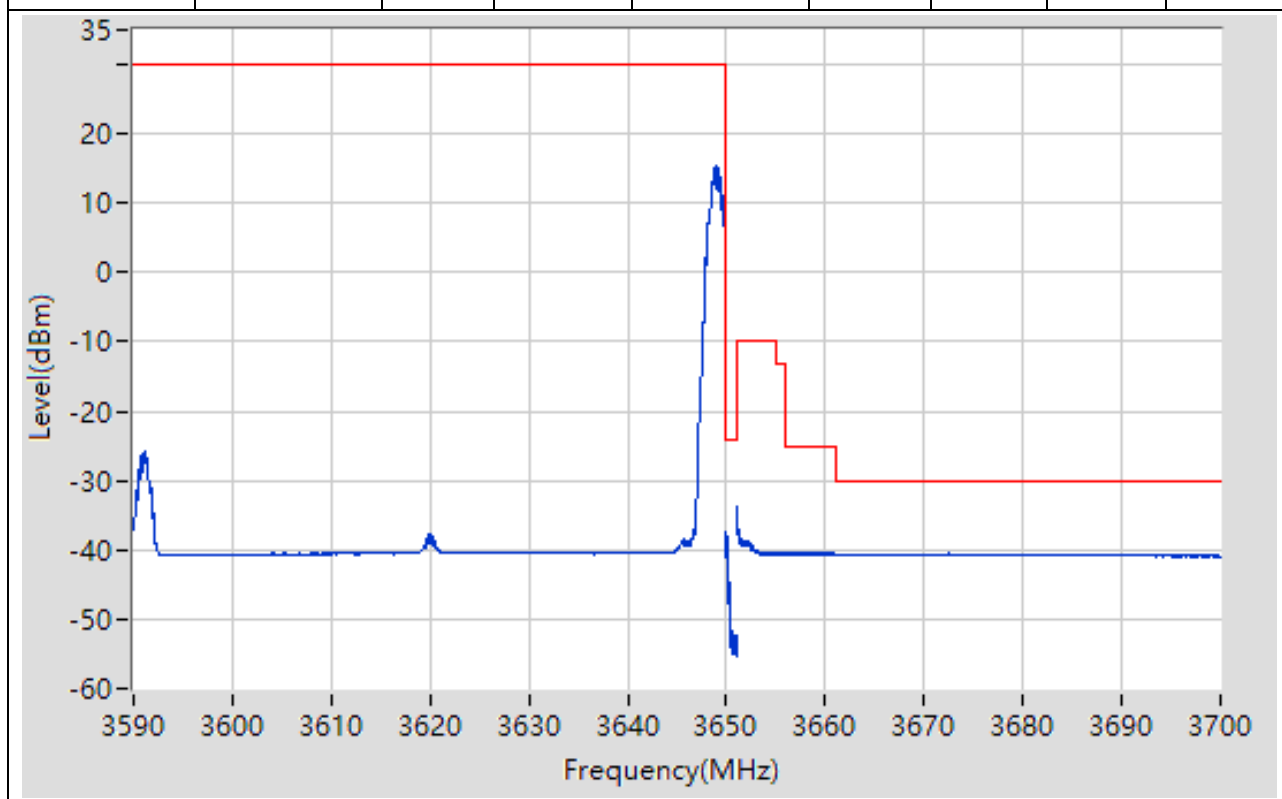
**53.12. Band Edge for SA\_IC(NTNV)(Subtest:20, Channel:632000, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3438            | -36.35      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3441            | -35.68      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.977        | -34.56      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3447.993        | -33.13      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -46.98      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3483            | 1.9         | 30          | Pass    | 601         |



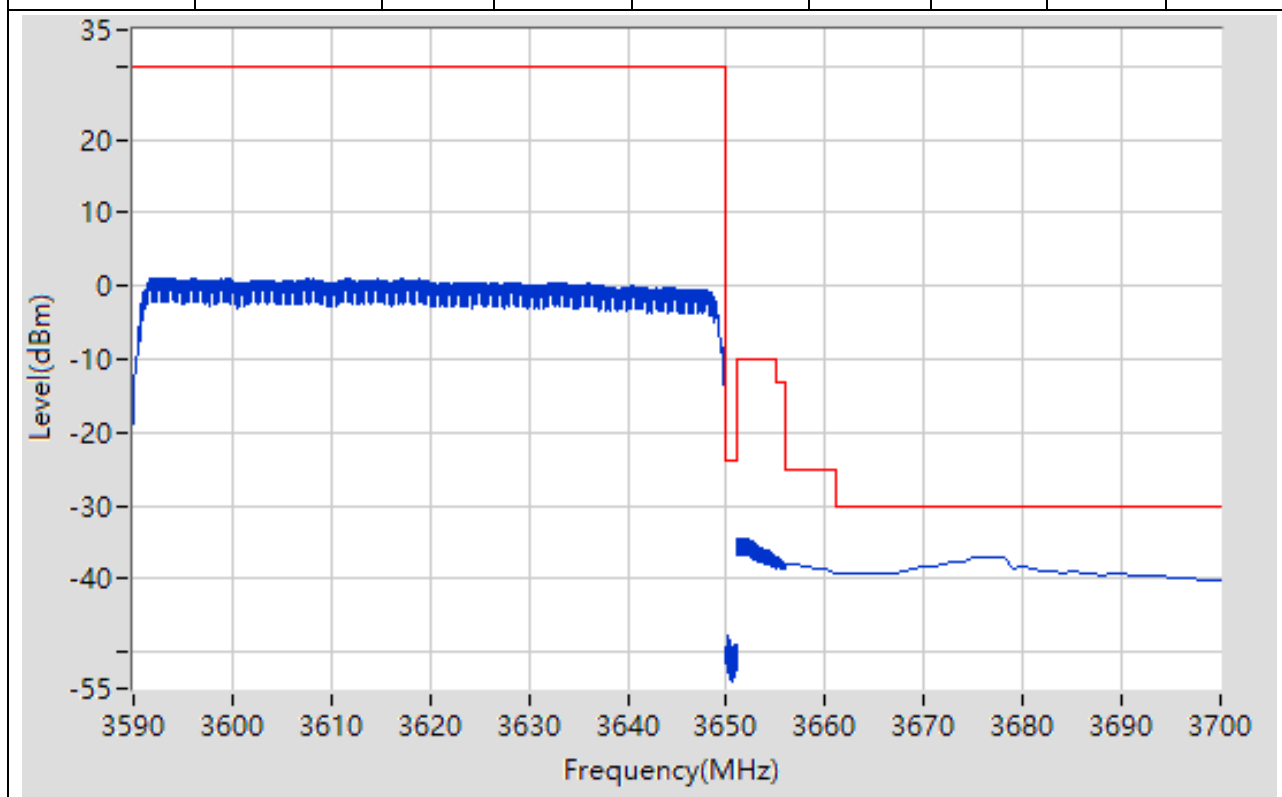
**53.13. Band Edge for SA\_IC(NTNV)(Subtest:21, Channel:641334, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3649            | 15.28       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.002        | -37.5       | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -33.81      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.405        | -40.42      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3659.908        | -40.49      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3672.57         | -40.55      | -30         | Pass    | 601         |



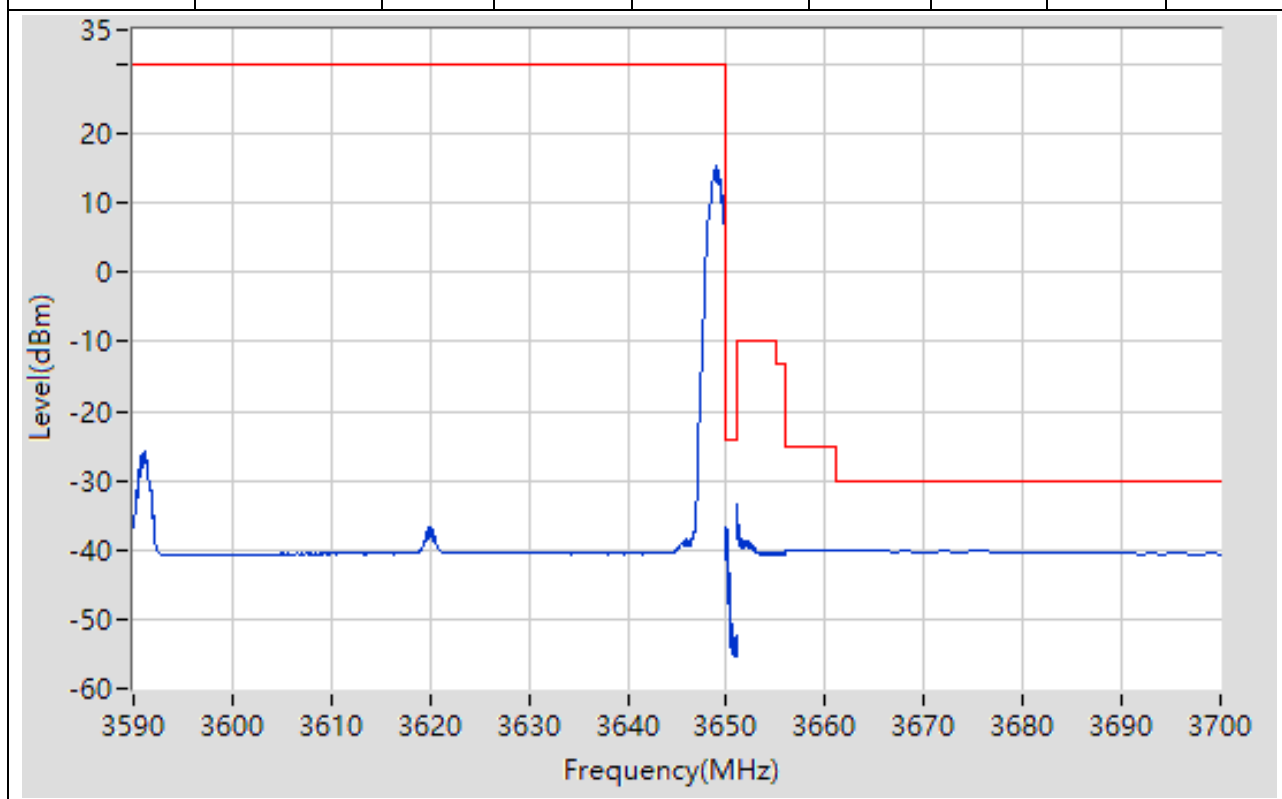
**53.14. Band Edge for SA\_IC(NTNV)(Subtest:22, Channel:641334, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3611.5          | 1.07        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.095        | -47.83      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.513        | -34.44      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.012        | -37.01      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -37.87      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3677            | -37.1       | -30         | Pass    | 40          |



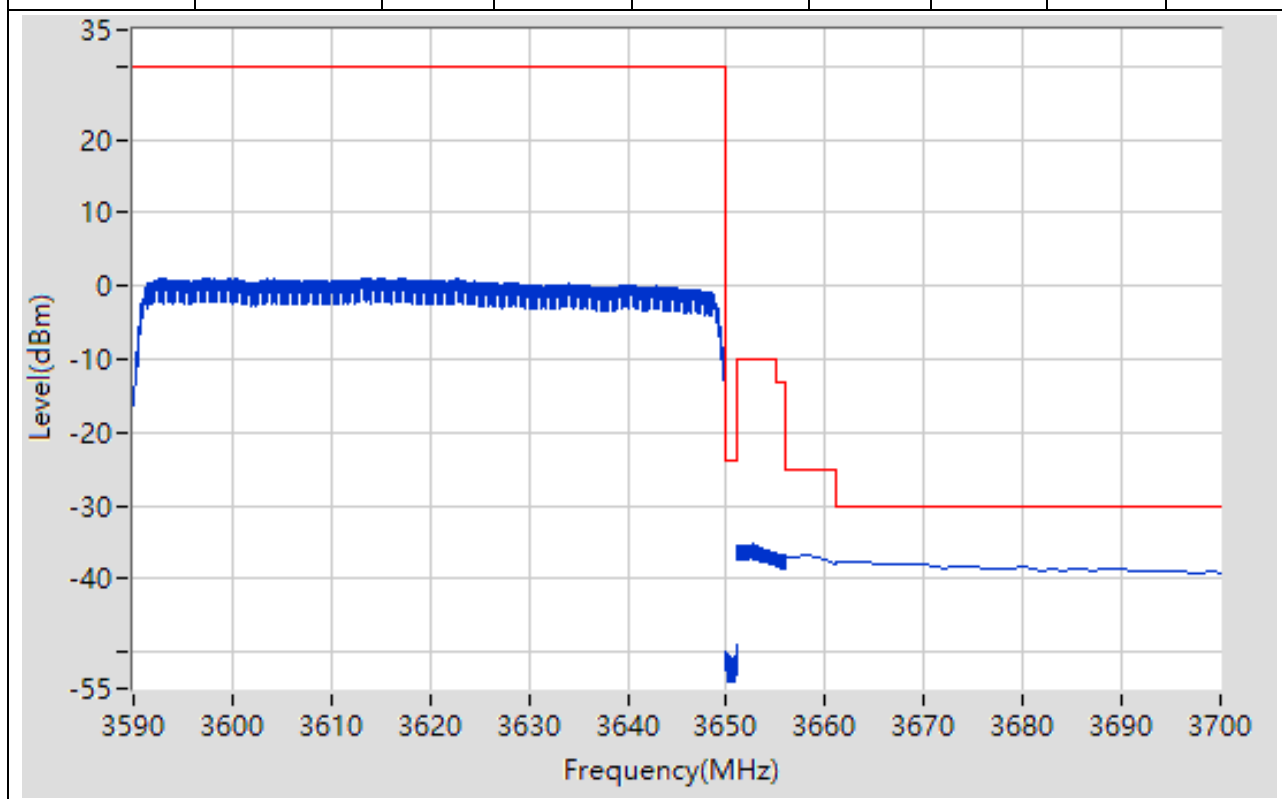
**53.15. Band Edge for SA\_IC(NTNV)(Subtest:23, Channel:641334, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:161)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3649            | 15.27       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650            | -36.84      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -33.29      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.005        | -40.37      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -40.1       | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3663            | -40.17      | -30         | Pass    | 40          |



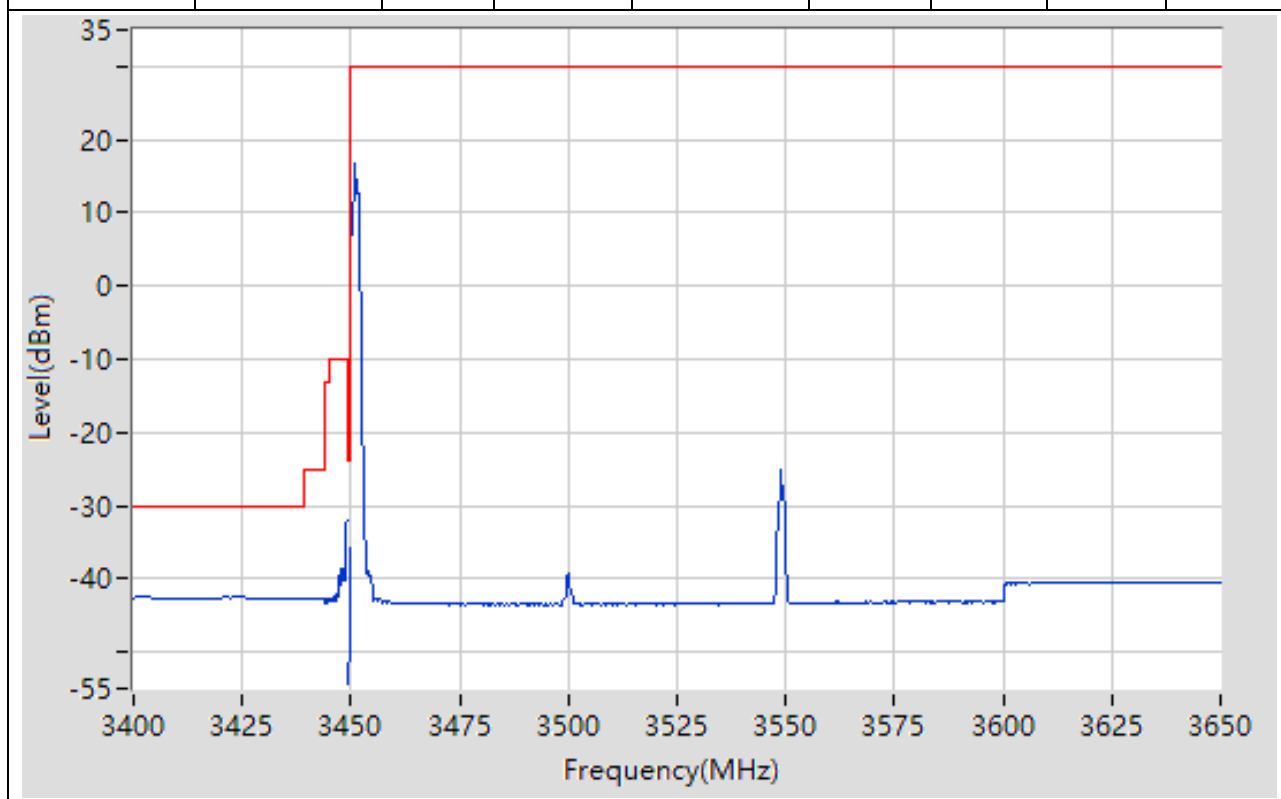
**53.16. Band Edge for SA\_IC(NTNV)(Subtest:24, Channel:641334, Bandwidth:60, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:162, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3613.1          | 1           | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.997        | -49.11      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3652.627        | -35.33      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.055        | -36.55      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -36.89      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3662            | -37.66      | -30         | Pass    | 40          |



**53.17. Band Edge for SA\_IC(NTNV)(Subtest:25, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

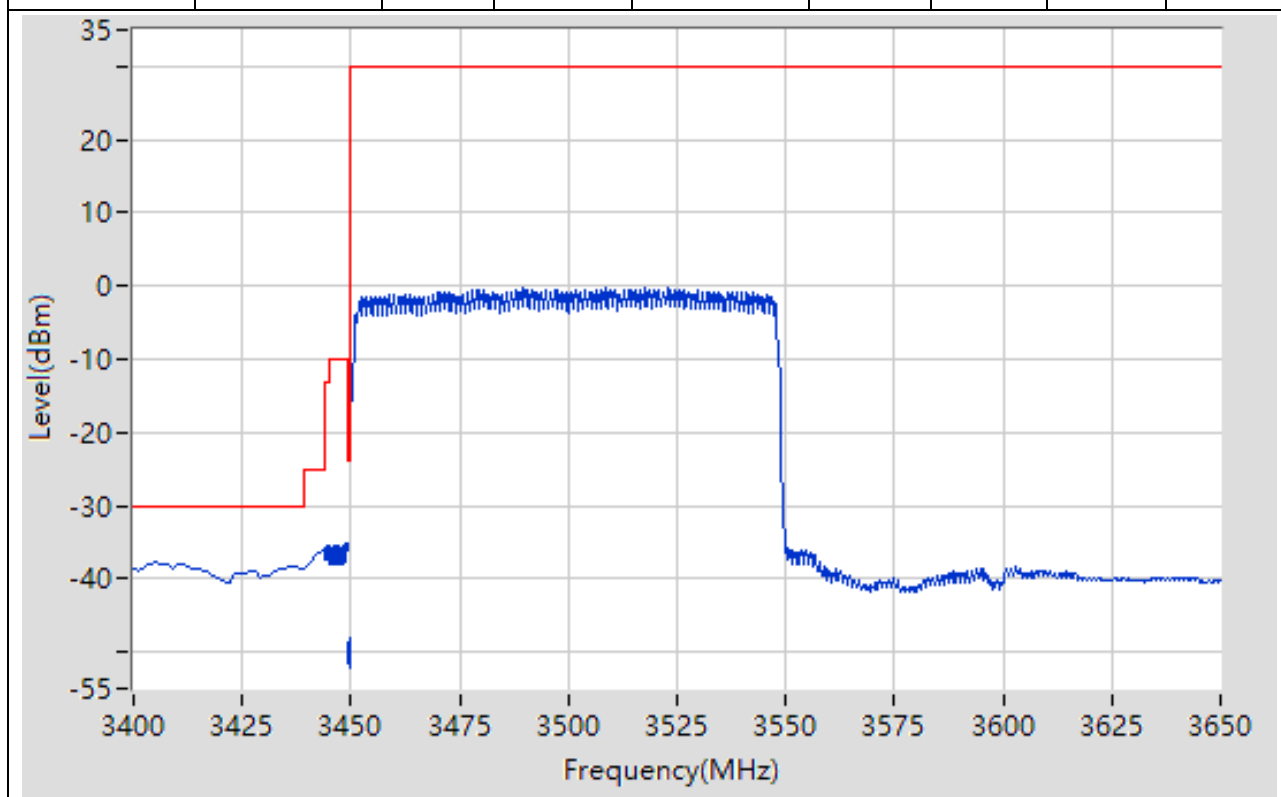
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3402            | -42.41      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3442            | -42.6       | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.162        | -42.75      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -31.91      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -35.79      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 16.72       | 30          | Pass    | 601         |





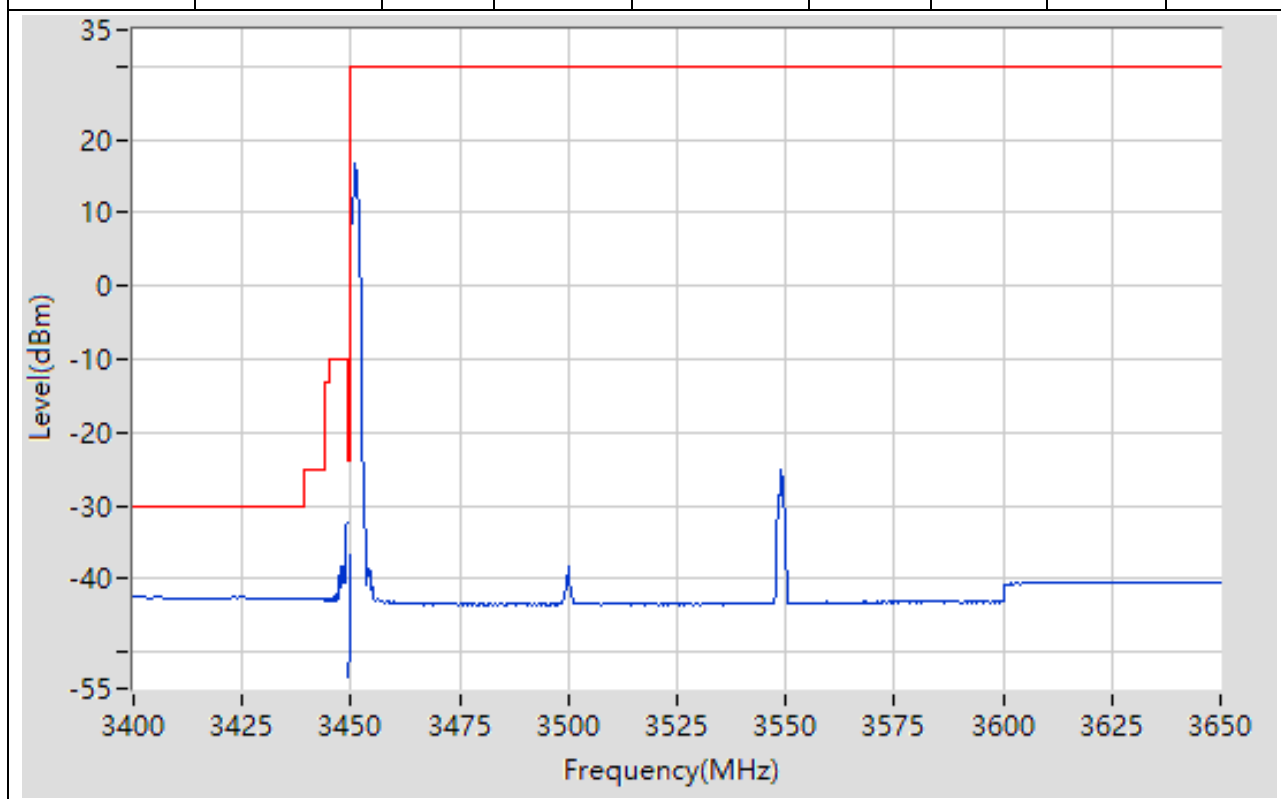
**53.18. Band Edge for SA\_IC(NTNV)(Subtest:26, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3405            | -37.78      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -36.12      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.683        | -35.62      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.98         | -35.02      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.882        | -48.08      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3489.667        | -0.33       | 30          | Pass    | 601         |



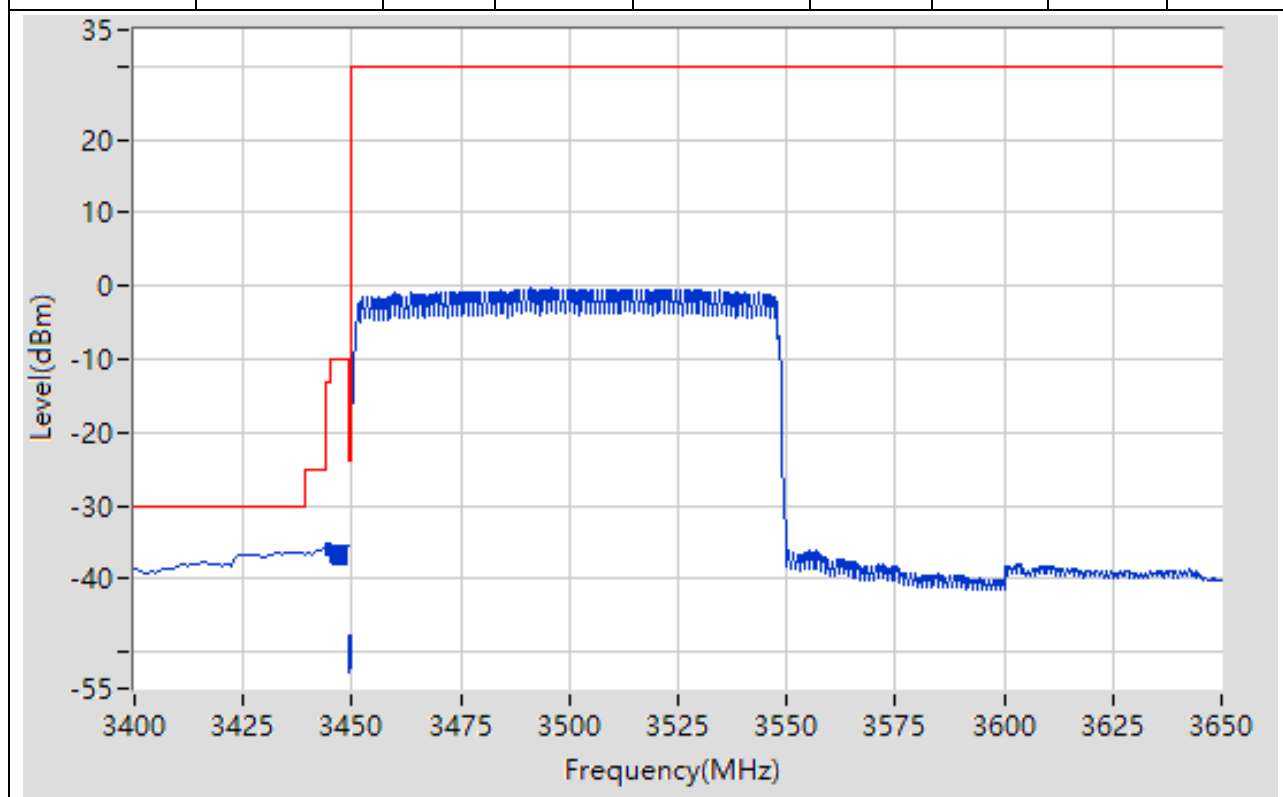
**53.19. Band Edge for SA\_IC(NTNV)(Subtest:27, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3402            | -42.35      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3441            | -42.58      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.93         | -42.7       | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -32.36      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -36.89      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 16.65       | 30          | Pass    | 601         |



**53.20. Band Edge for SA\_IC(NTNV)(Subtest:28, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3433            | -36.34      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -35.52      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.1          | -35.07      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3445.04         | -35.29      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.882        | -47.61      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3495.667        | -0.35       | 30          | Pass    | 601         |



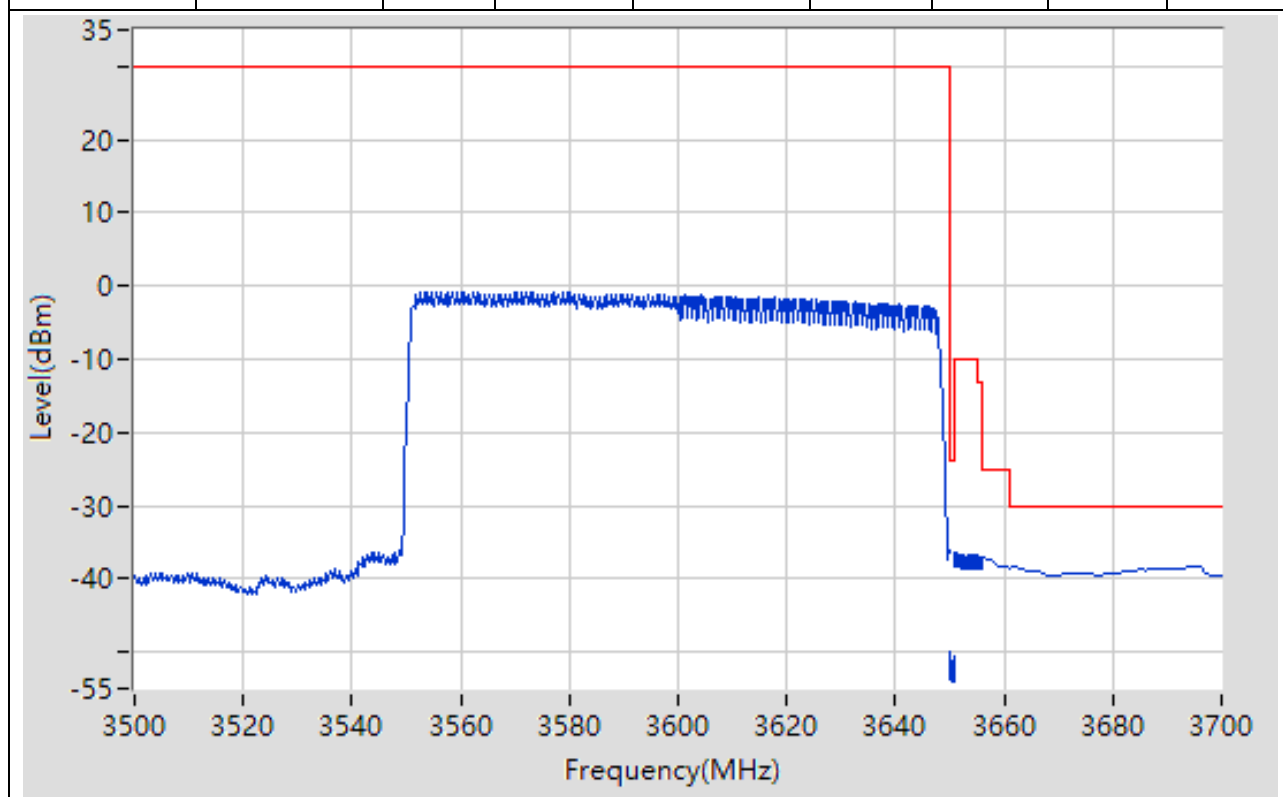
**53.21. Band Edge for SA\_IC(NTNV)(Subtest:29, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3649            | 14.16       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.007        | -39.17      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.013        | -35.29      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.317        | -40.41      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657.817        | -40.46      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3662.17         | -40.54      | -30         | Pass    | 601         |



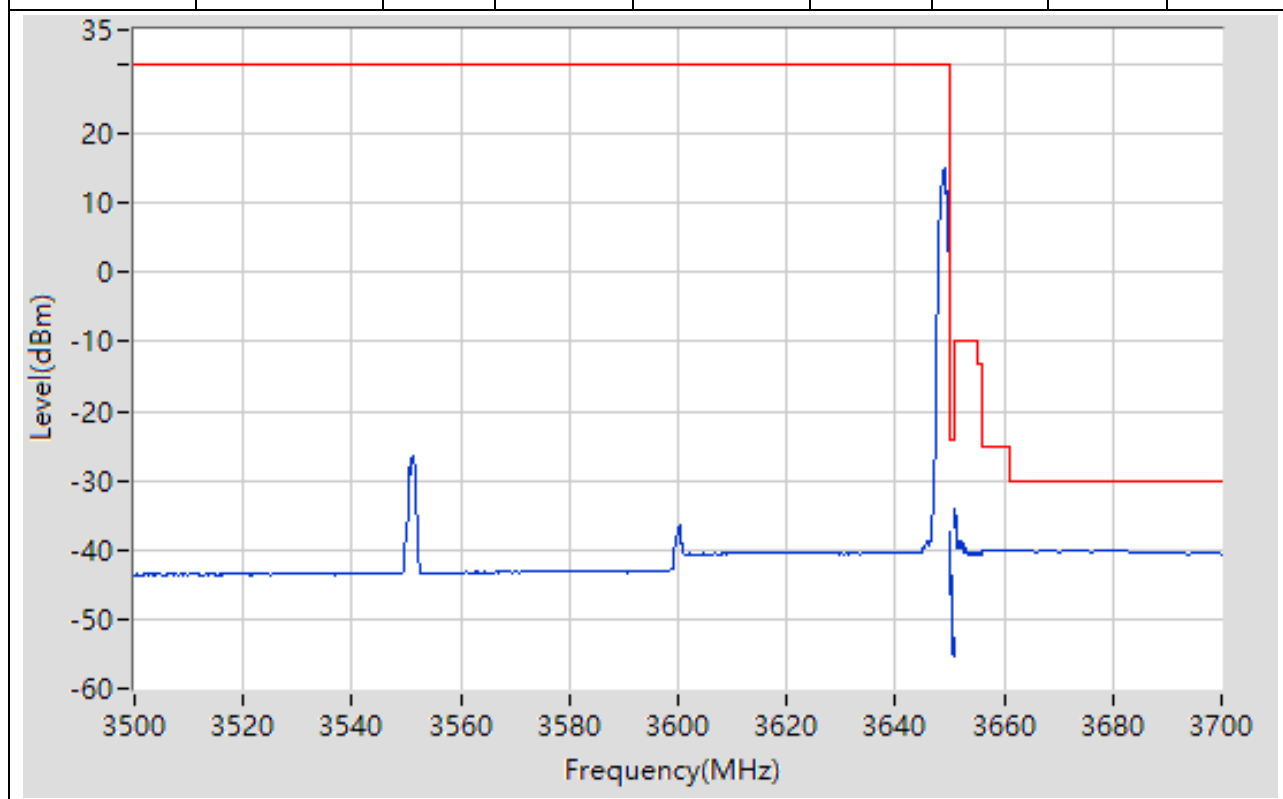
**53.22. Band Edge for SA\_IC(NTNV)(Subtest:30, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3554            | -0.75       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650            | -49.84      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.013        | -36.51      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.058        | -36.83      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -37.07      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3694            | -38.29      | -30         | Pass    | 40          |



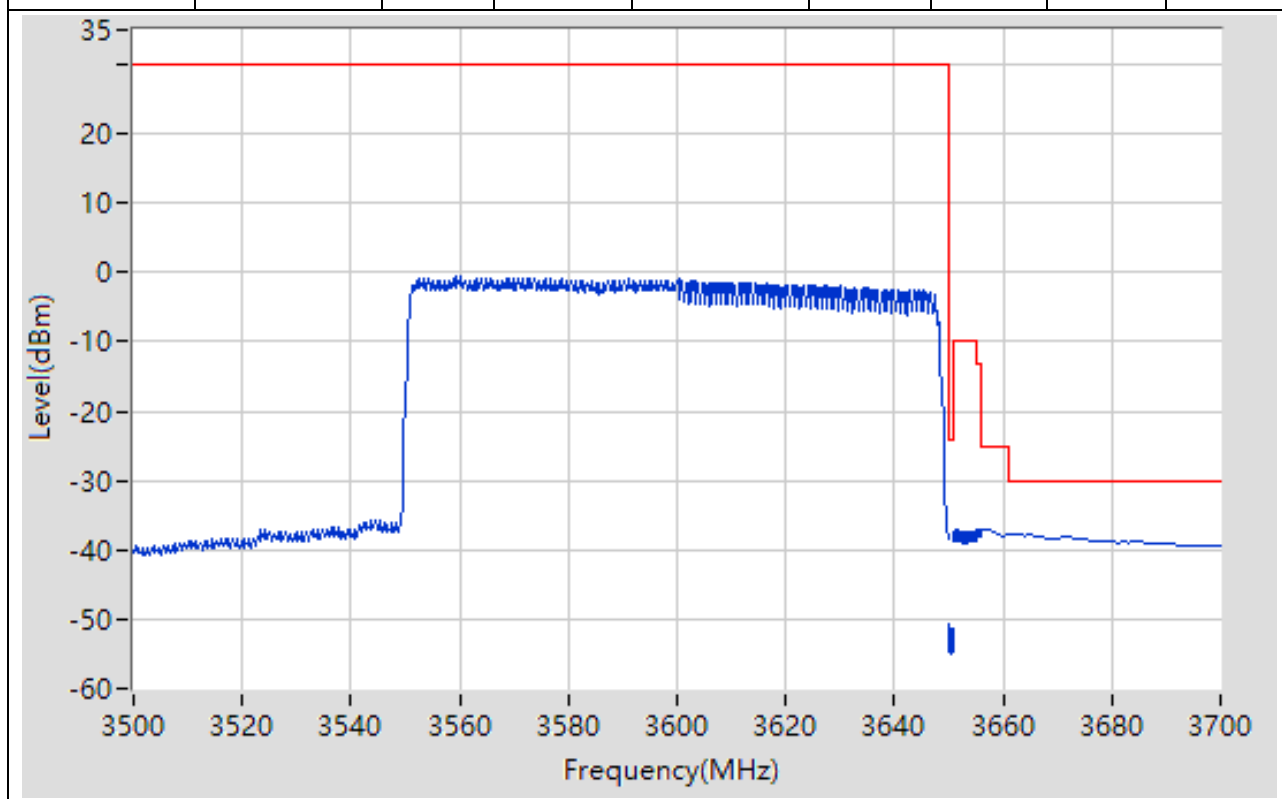
**53.23. Band Edge for SA\_IC(NTNV)(Subtest:31, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3649            | 15.08       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650            | -37.49      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -33.99      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.288        | -40.37      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -40.08      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3663            | -40.13      | -30         | Pass    | 40          |



**53.24. Band Edge for SA\_IC(NTNV)(Subtest:32, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

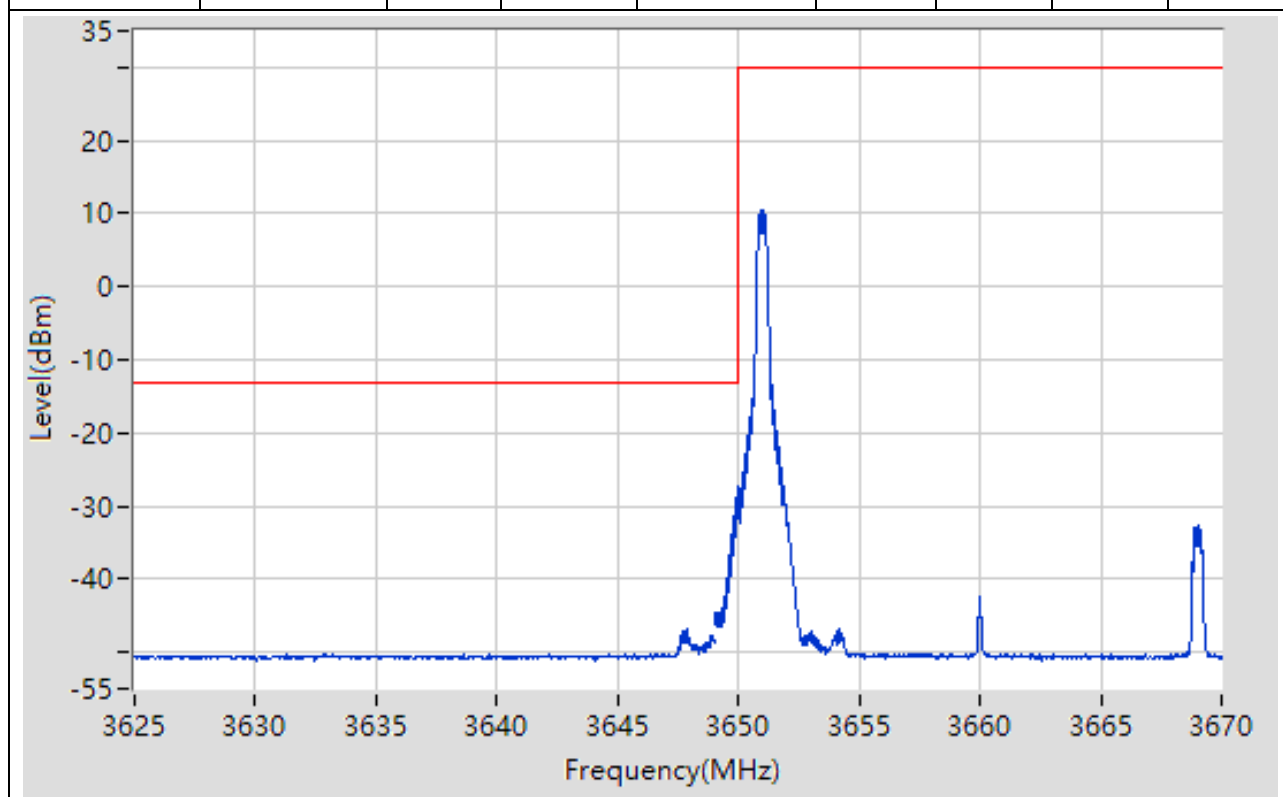
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3560.25         | -0.55       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.08         | -50.84      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.42         | -37.15      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.352        | -37.1       | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657            | -37.1       | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3662            | -37.66      | -30         | Pass    | 40          |



## 54. n77 30kHz(3650-3700MHz)\_MIMO-ANT1

54.1. Band Edge for SA\_IC(NTNV)(Subtest:1, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)

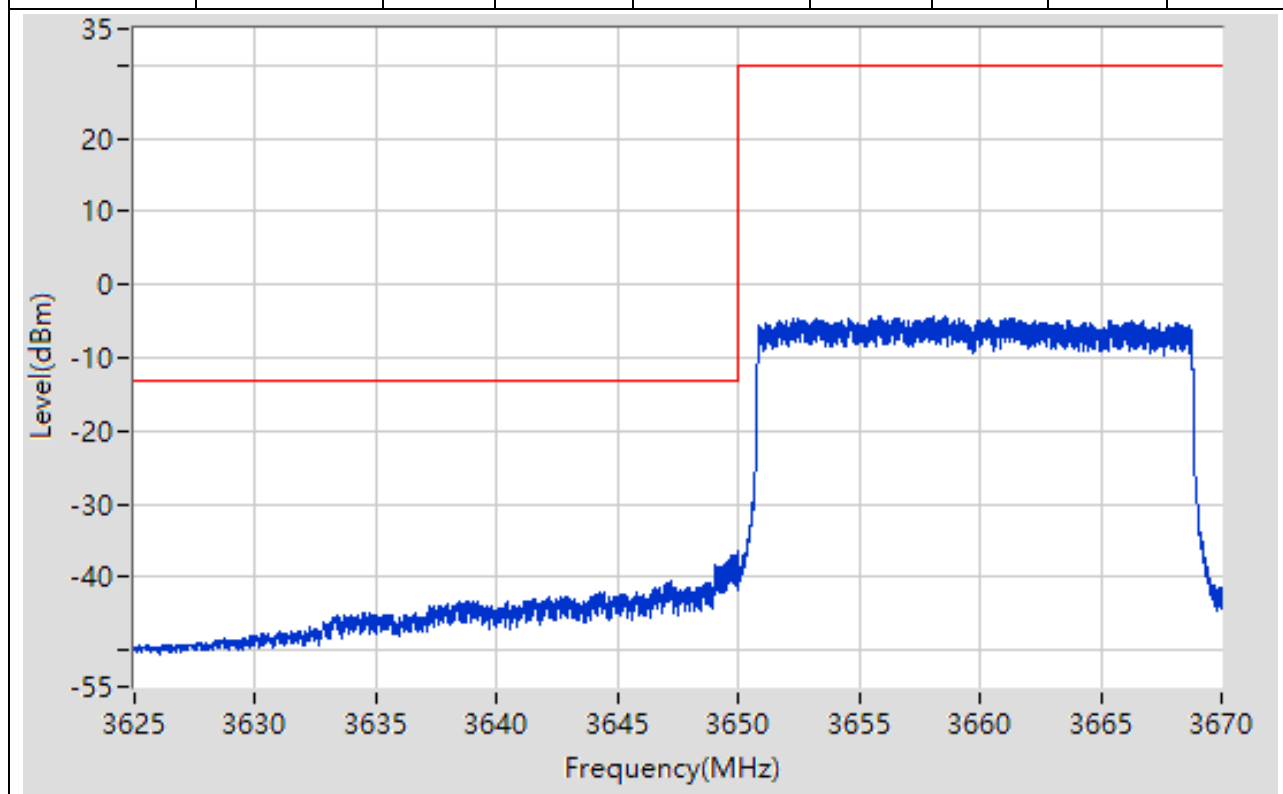
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.84         | -46.9       | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3649.997        | -27.2       | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3650.967        | 10.52       | 30          | Pass    | 601         |





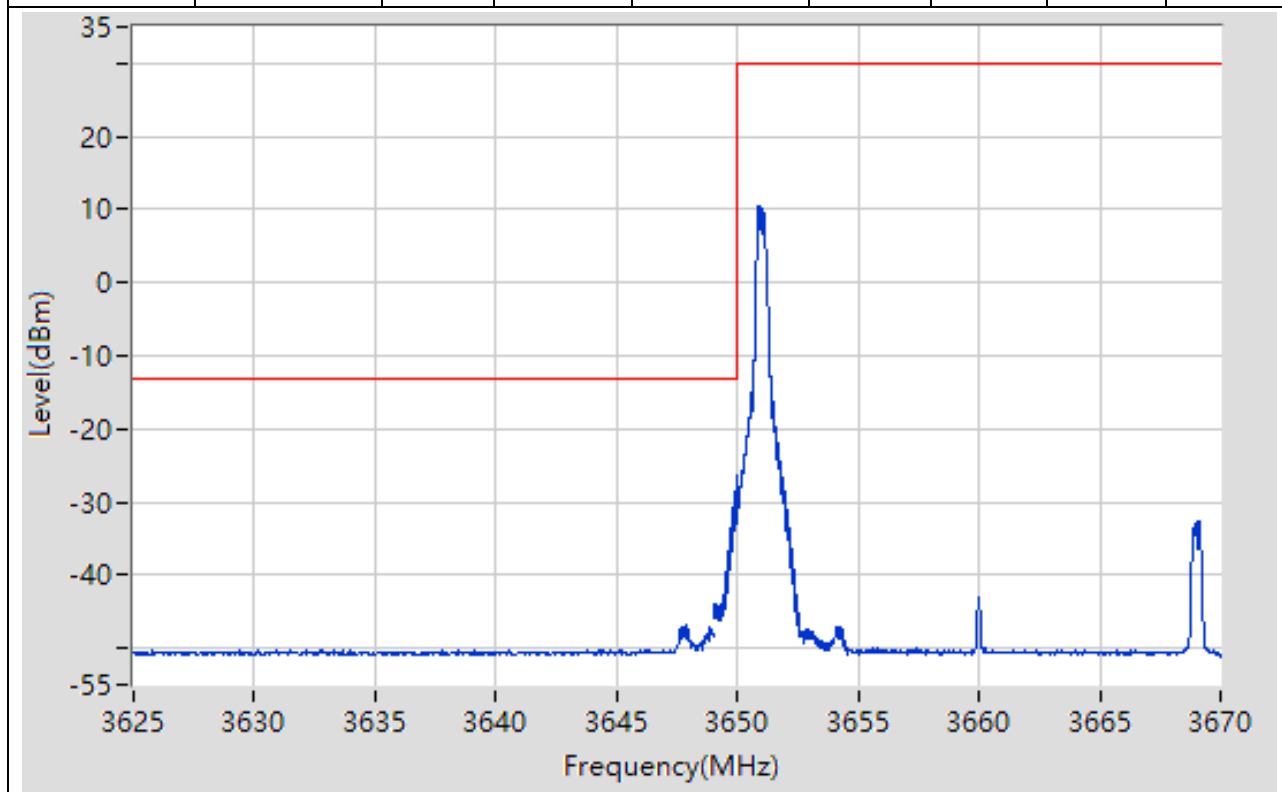
**54.2. Band Edge for SA\_IC(NTNV)(Subtest:2, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.2          | -40.68      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3649.992        | -36.42      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3658.567        | -4.42       | 30          | Pass    | 601         |



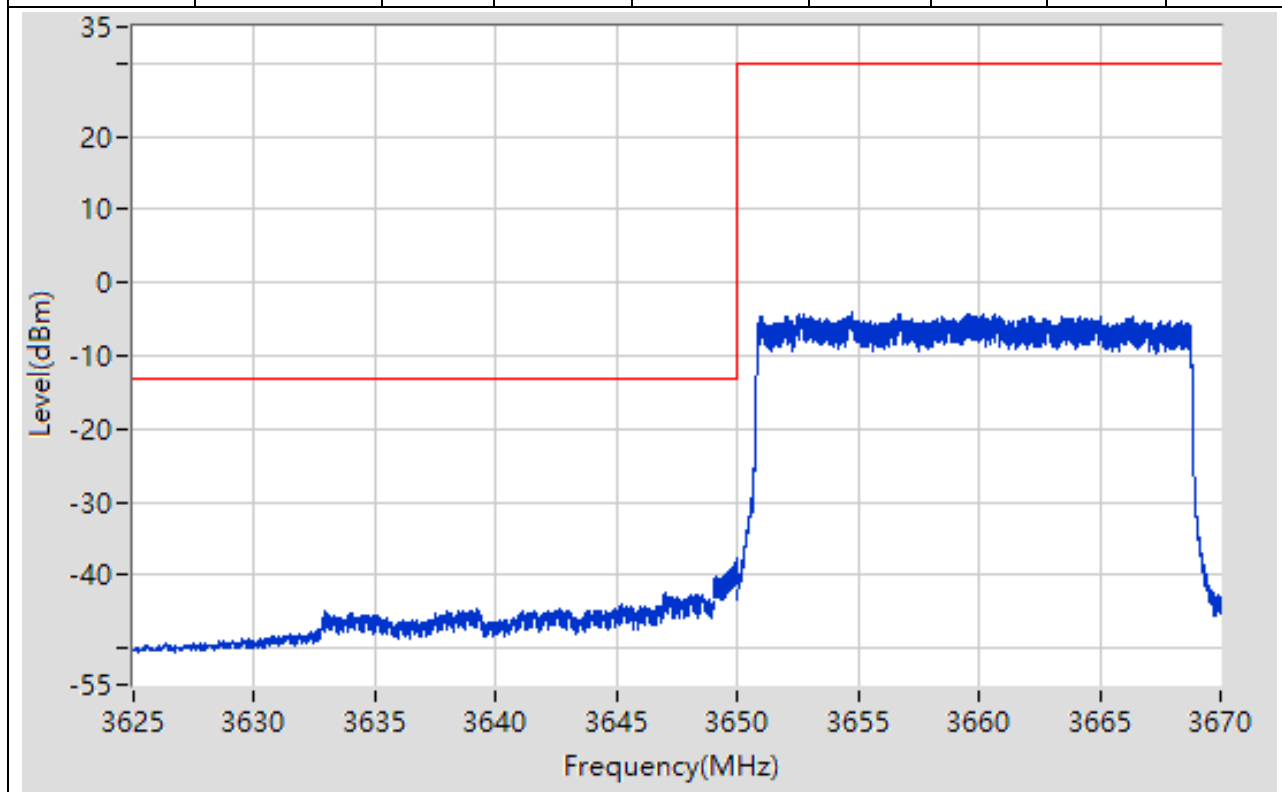
**54.3. Band Edge for SA\_IC(NTNV)(Subtest:3, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.84         | -46.92      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3649.988        | -26.49      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3650.867        | 10.42       | 30          | Pass    | 601         |



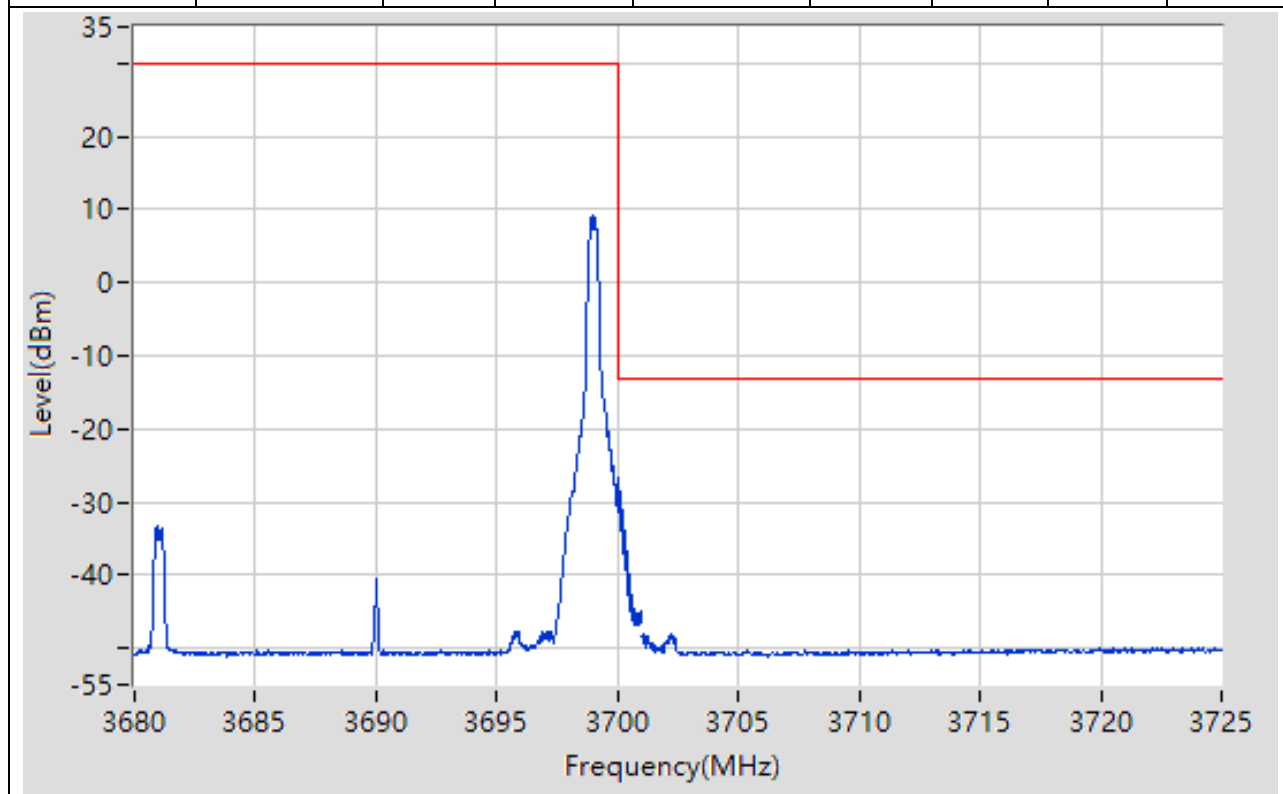
**54.4. Band Edge for SA\_IC(NTNV)(Subtest:4, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647            | -42.46      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3650            | -37.69      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3654.733        | -4.01       | 30          | Pass    | 601         |



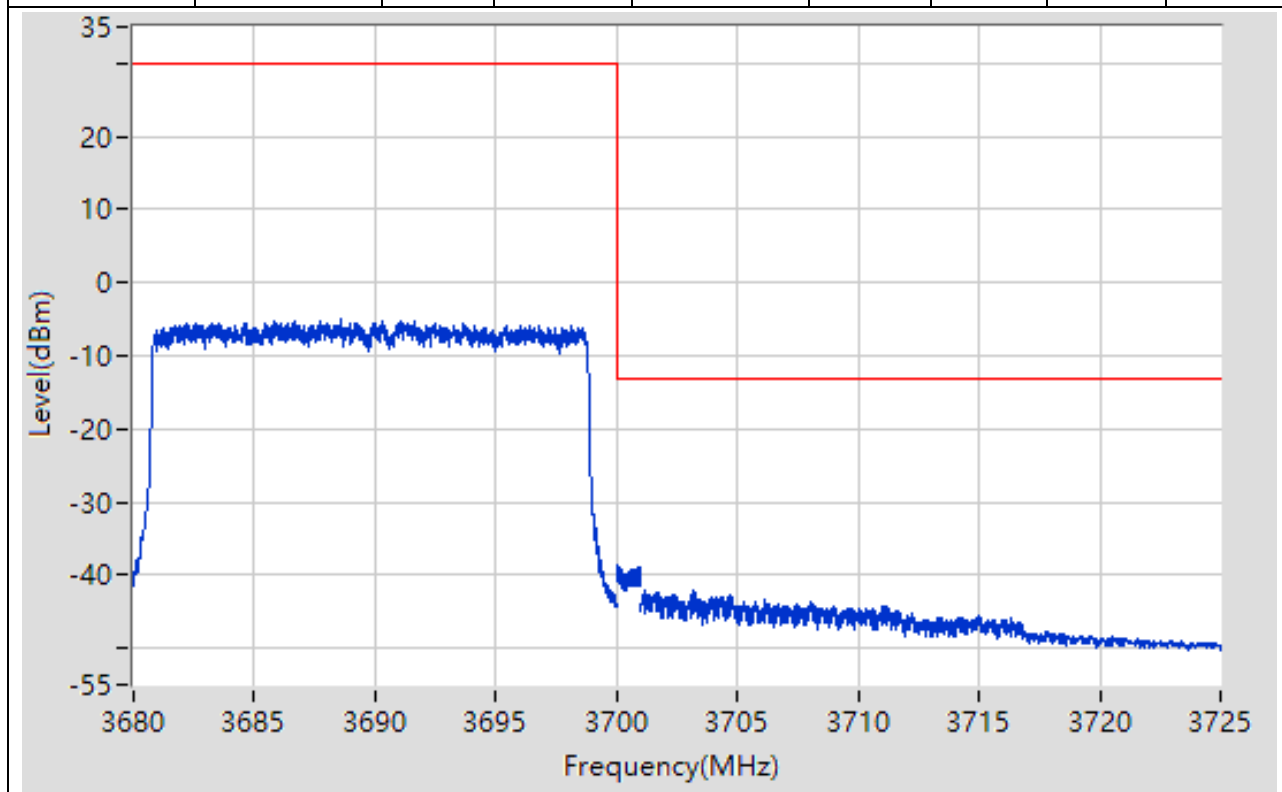
**54.5. Band Edge for SA\_IC(NTNV)(Subtest:5, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3699            | 9.15        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700            | -26.64      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.04         | -48.07      | -13         | Pass    | 601         |



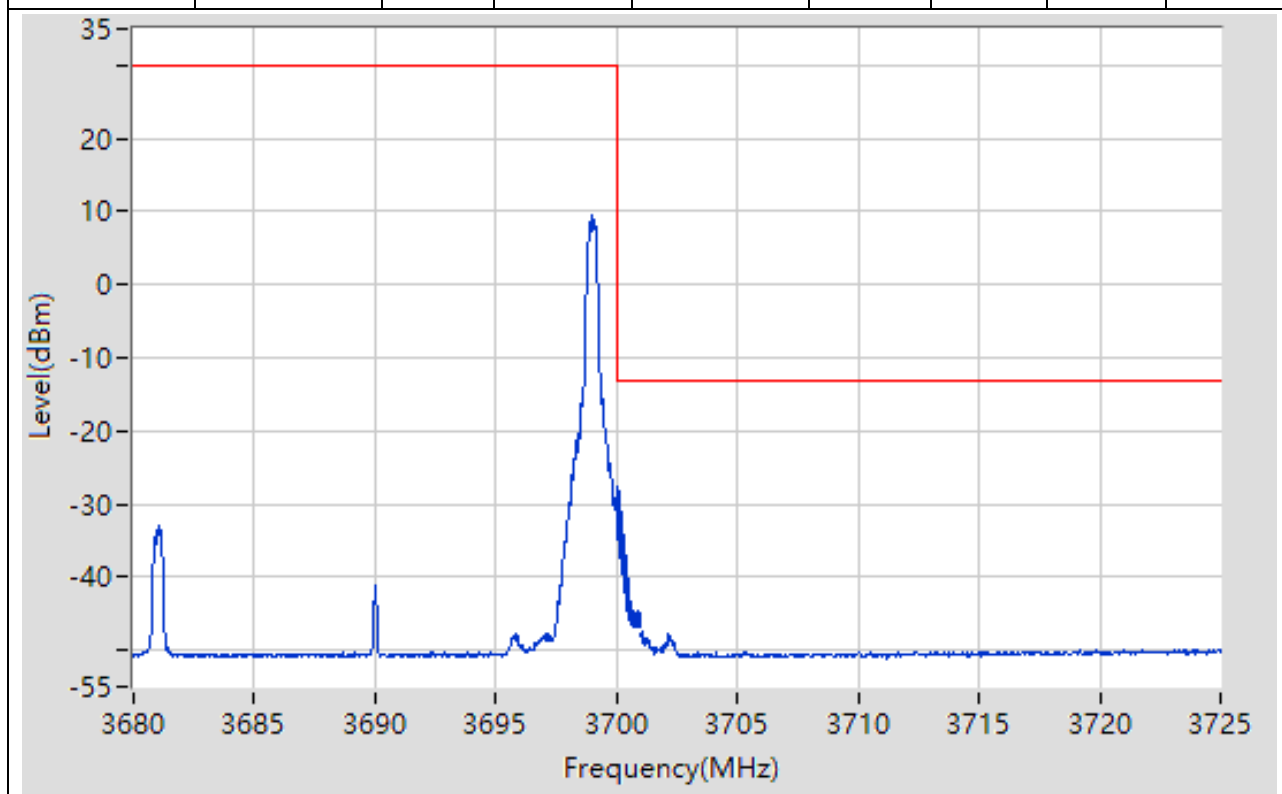
**54.6. Band Edge for SA\_IC(NTNV)(Subtest:6, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3688.533        | -5.1        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.038        | -38.62      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3703.2          | -42.16      | -13         | Pass    | 601         |



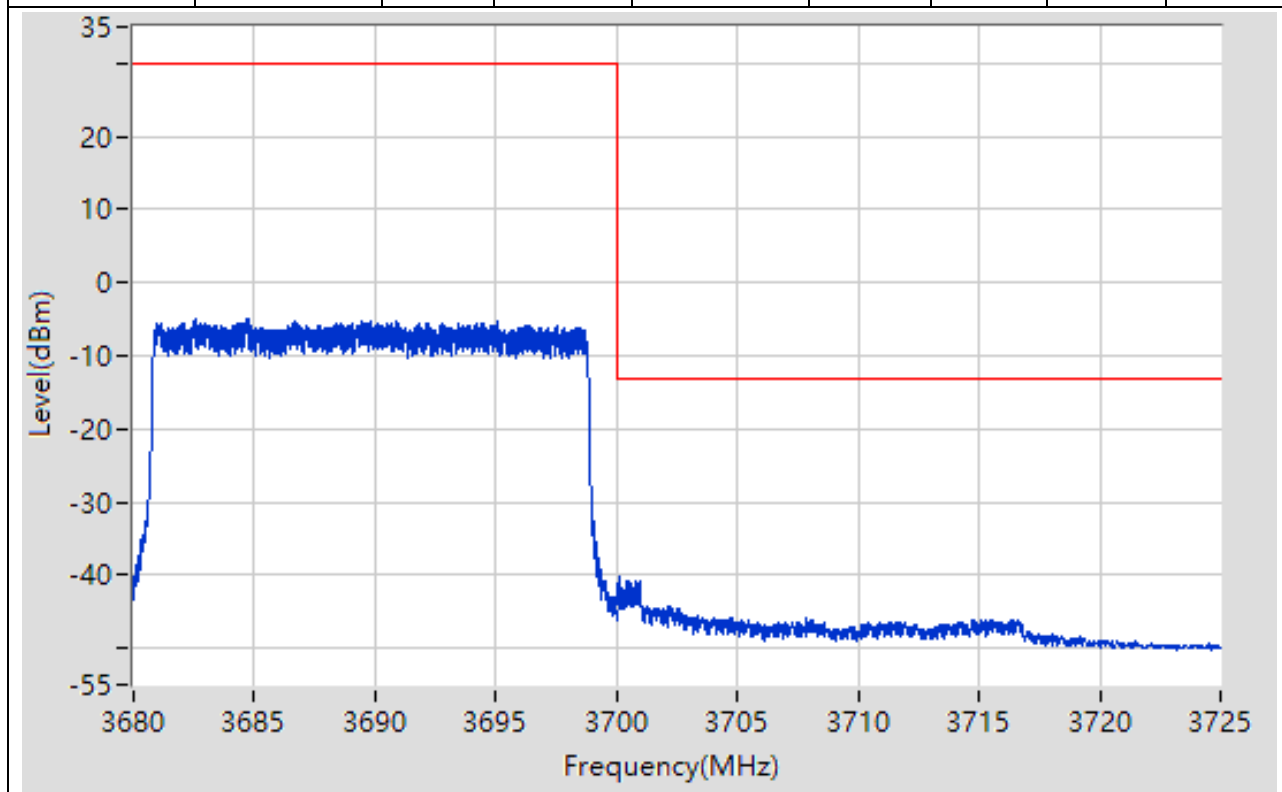
**54.7. Band Edge for SA\_IC(NTNV)(Subtest:7, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.933        | 9.56        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.042        | -27.62      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.04         | -47.31      | -13         | Pass    | 601         |



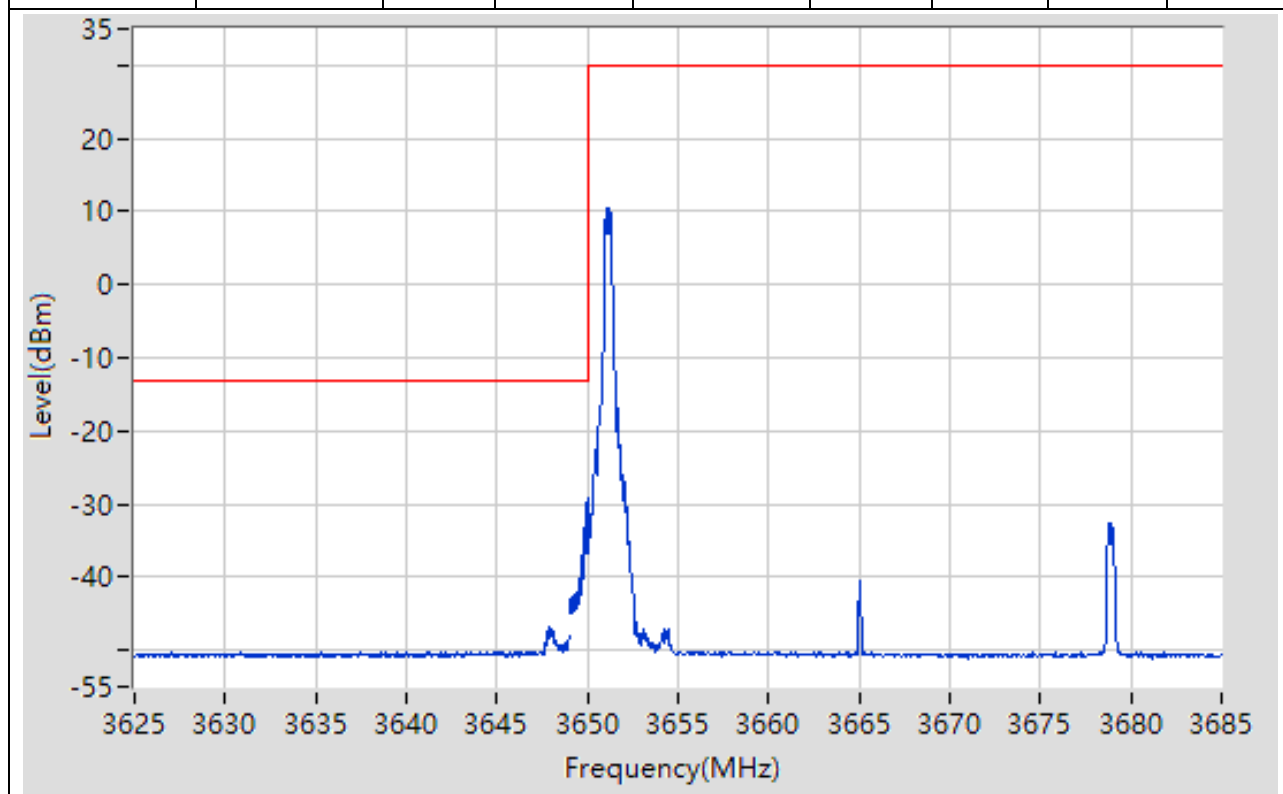
**54.8. Band Edge for SA\_IC(NTNV)(Subtest:8, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3684.733        | -4.81       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.083        | -40.32      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.12         | -44.26      | -13         | Pass    | 601         |



**54.9. Band Edge for SA\_IC(NTNV)(Subtest:9, Channel:644334, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

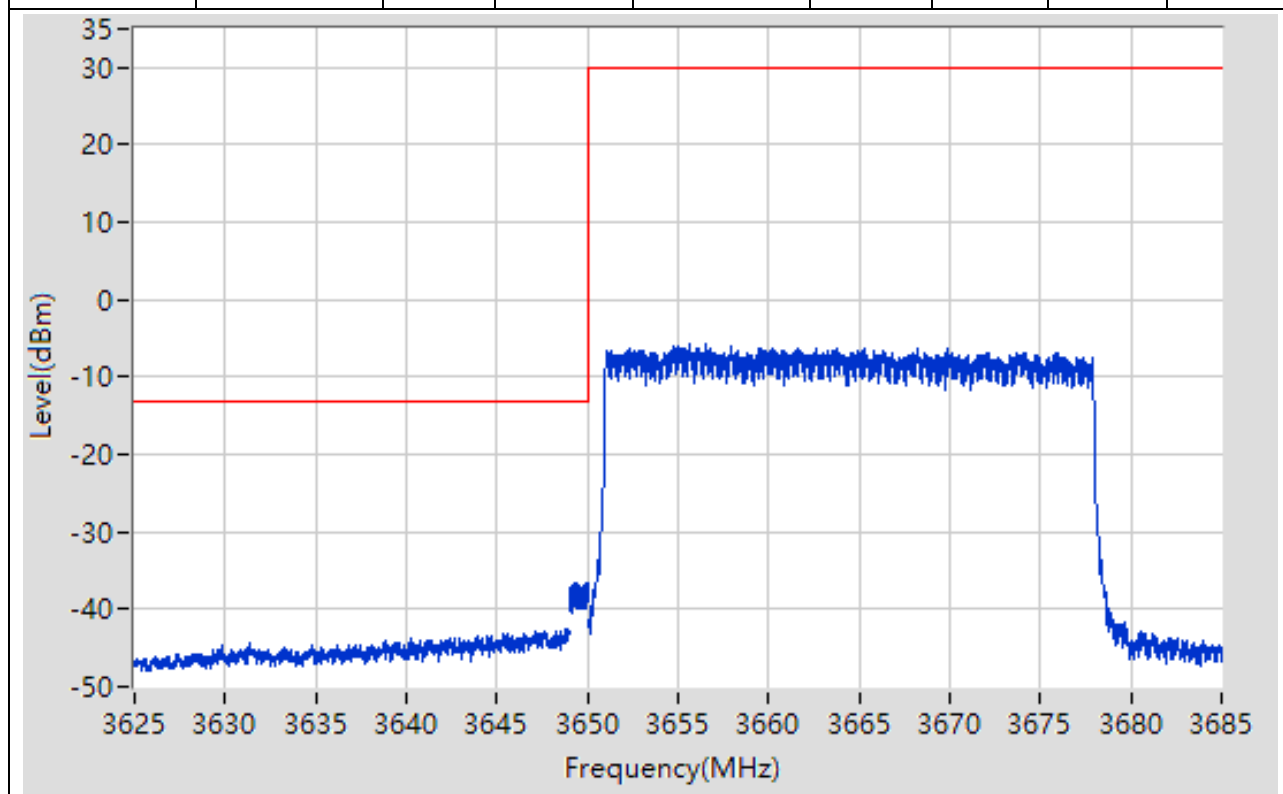
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.84         | -46.96      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.3       | RMS      | 3650            | -29.2       | -13         | Pass    | 601         |
| 3650                  | 3685                 | 0.1       | RMS      | 3651.108        | 10.58       | 30          | Pass    | 601         |





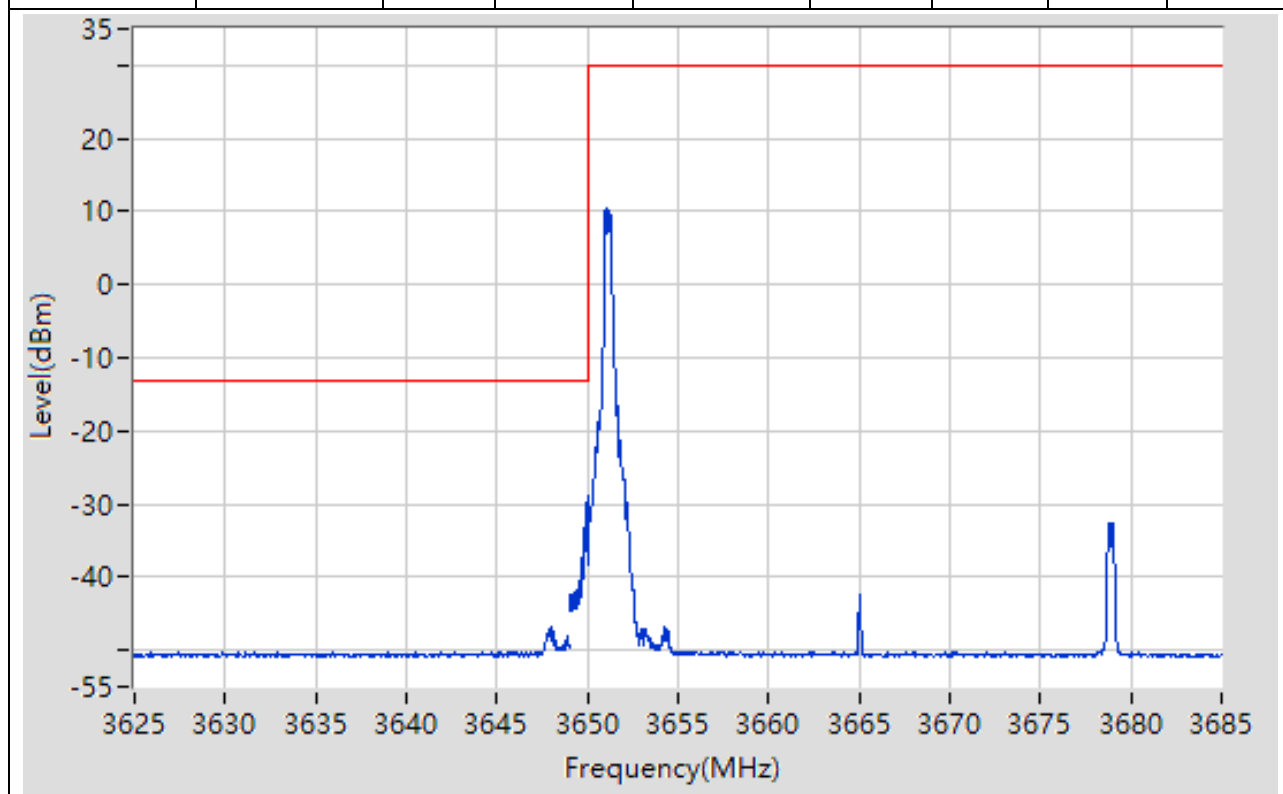
**54.10. Band Edge for SA\_IC(NTNV)(Subtest:10, Channel:644334, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.92         | -42.62      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.3       | RMS      | 3649.997        | -36.49      | -13         | Pass    | 601         |
| 3650                  | 3685                 | 0.1       | RMS      | 3655.658        | -5.6        | 30          | Pass    | 601         |



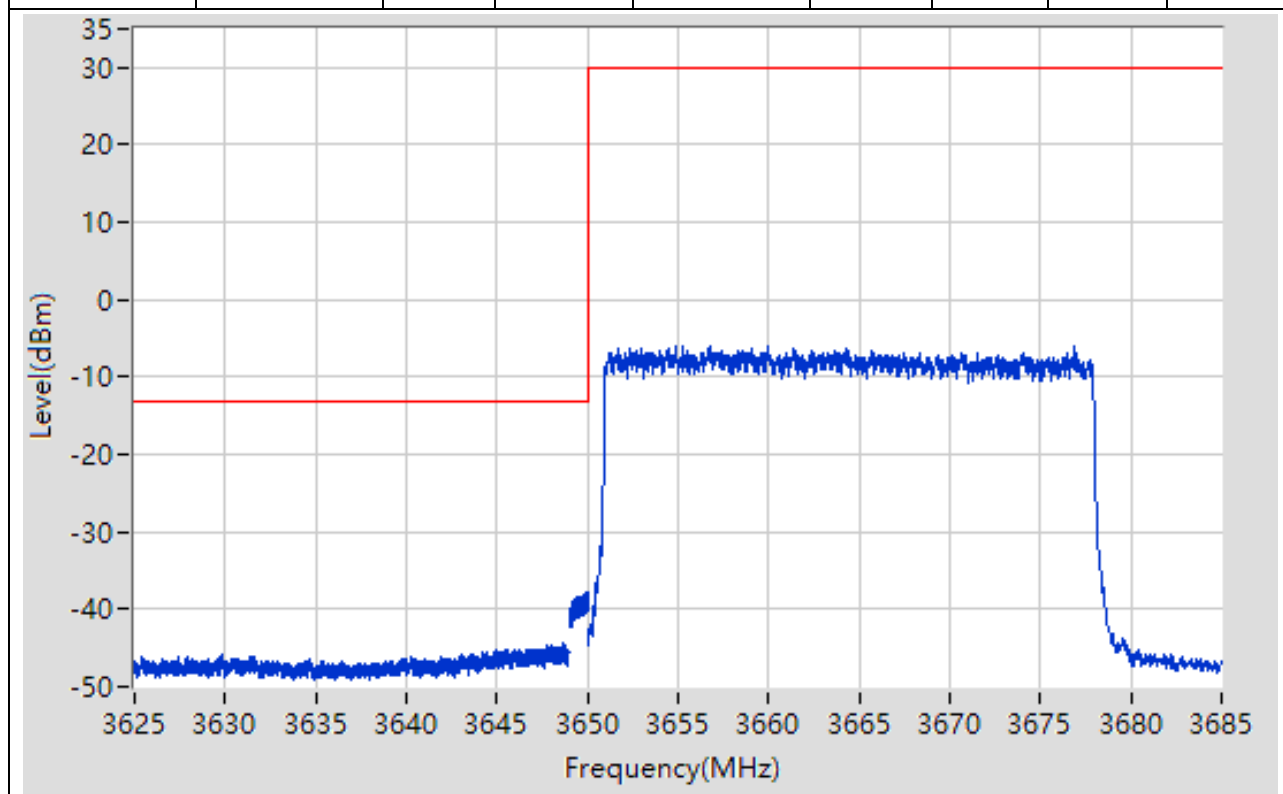
**54.11. Band Edge for SA\_IC(NTNV)(Subtest:11, Channel:644334, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648            | -46.85      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.3       | RMS      | 3650            | -29.04      | -13         | Pass    | 601         |
| 3650                  | 3685                 | 0.1       | RMS      | 3651.108        | 10.43       | 30          | Pass    | 601         |



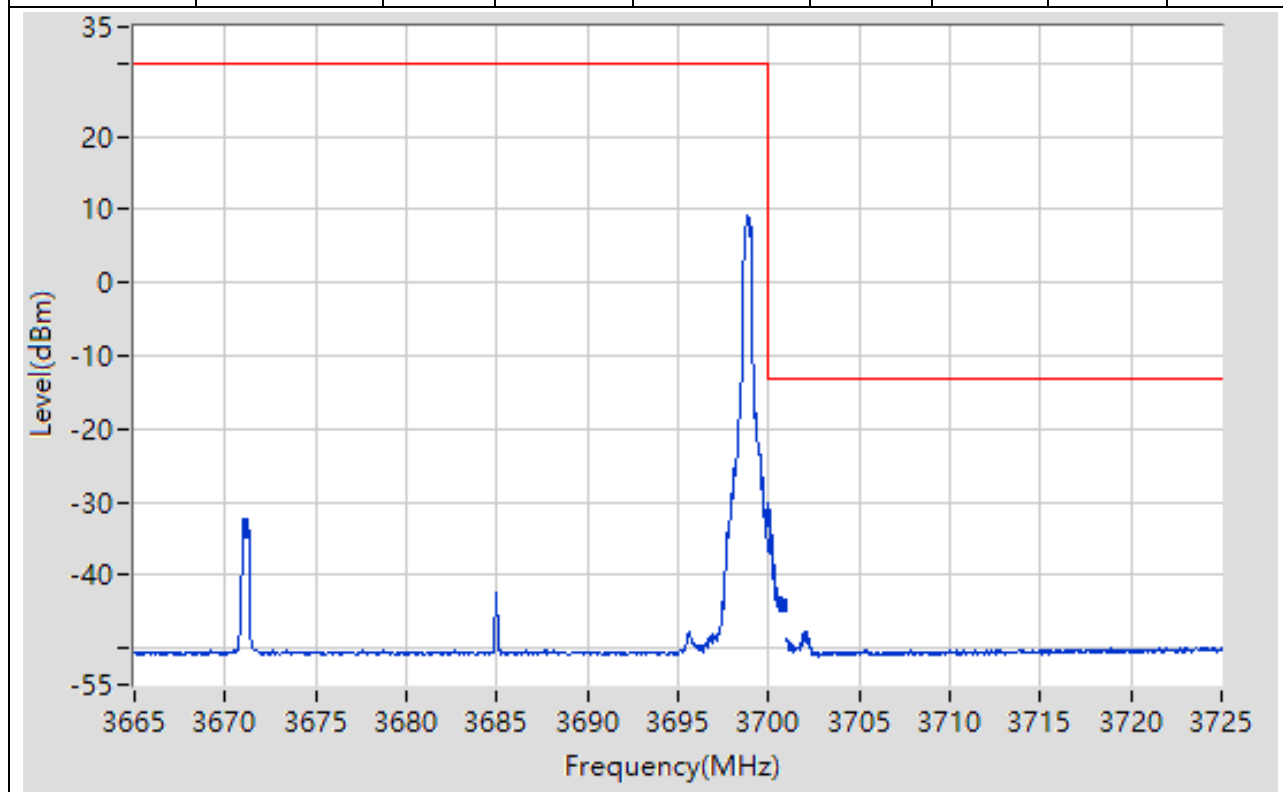
**54.12. Band Edge for SA\_IC(NTNV)(Subtest:12, Channel:644334, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.64         | -44.5       | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.3       | RMS      | 3649.992        | -37.71      | -13         | Pass    | 601         |
| 3650                  | 3685                 | 0.1       | RMS      | 3659.975        | -6          | 30          | Pass    | 601         |



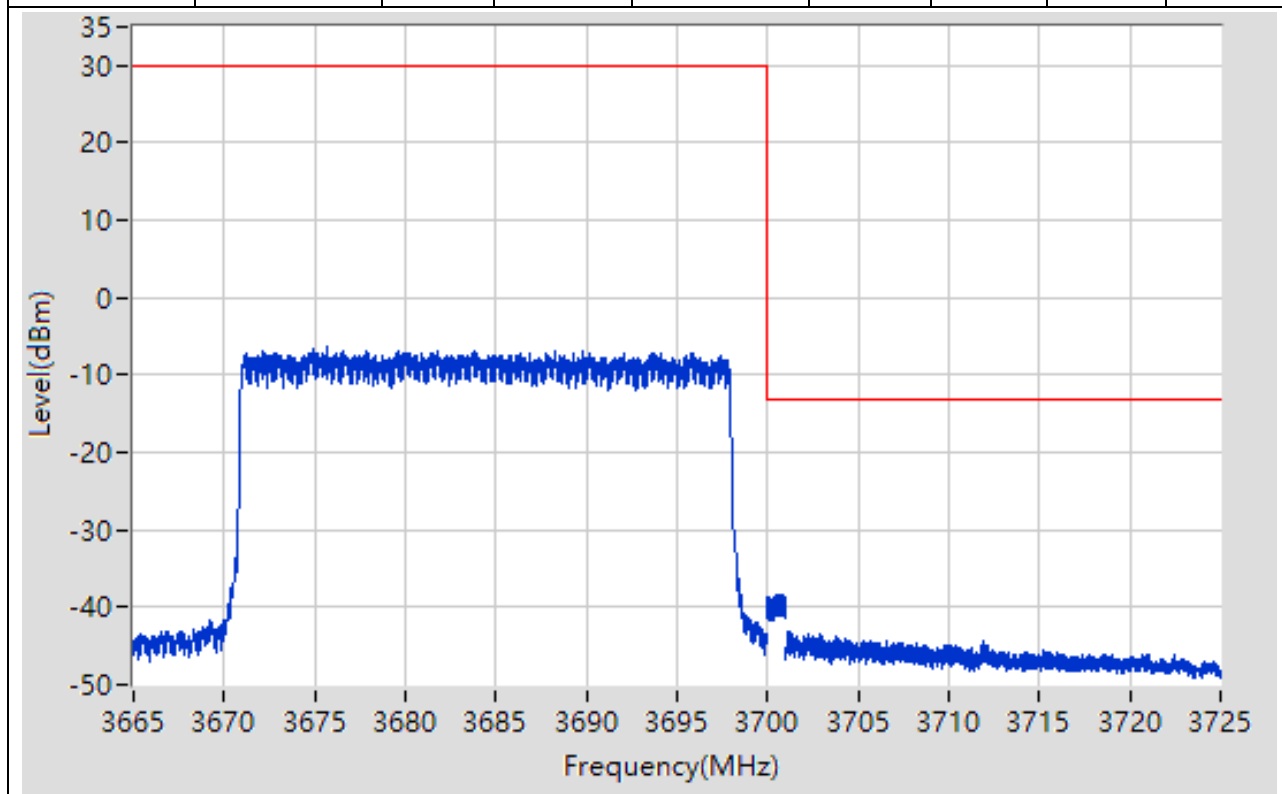
**54.13. Band Edge for SA\_IC(NTNV)(Subtest:13, Channel:645666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:77)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3665                  | 3700                 | 0.1       | RMS      | 3698.833        | 9.18        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.3       | RMS      | 3700            | -30.23      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.08         | -47.86      | -13         | Pass    | 601         |



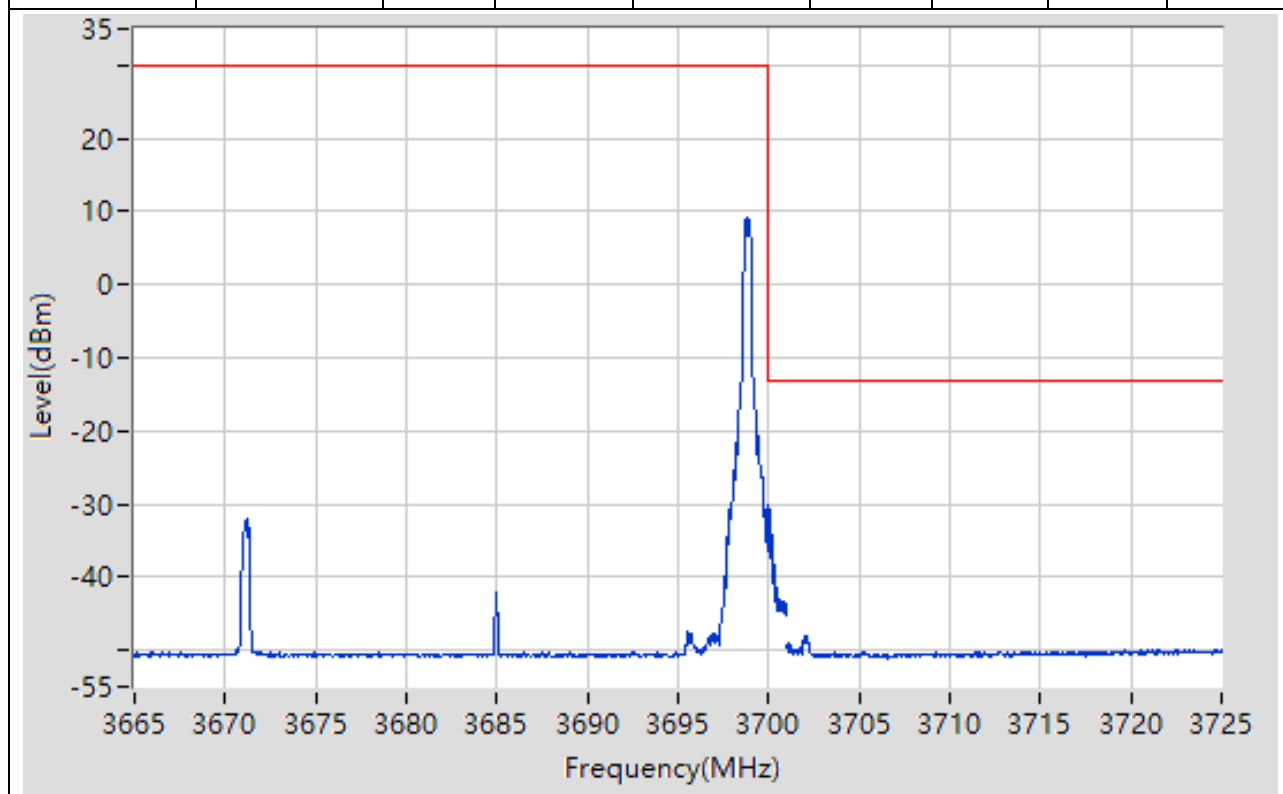
**54.14. Band Edge for SA\_IC(NTNV)(Subtest:14, Channel:645666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3665                  | 3700                 | 0.1       | RMS      | 3675.617        | -6.34       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.3       | RMS      | 3700.683        | -38.27      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.16         | -43.16      | -13         | Pass    | 601         |



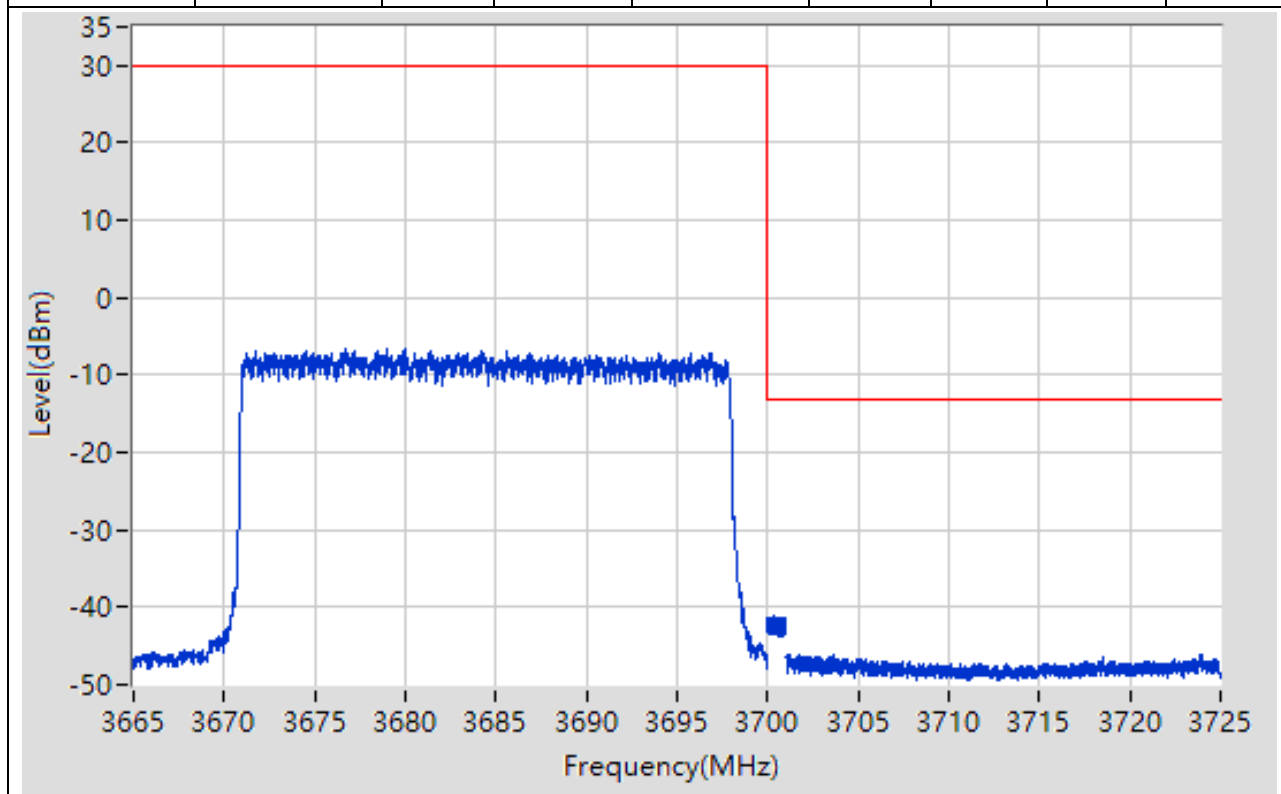
**54.15. Band Edge for SA\_IC(NTNV)(Subtest:15, Channel:645666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:77)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3665                  | 3700                 | 0.1       | RMS      | 3698.775        | 9.16        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.3       | RMS      | 3700.003        | -30.17      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702            | -48.14      | -13         | Pass    | 601         |



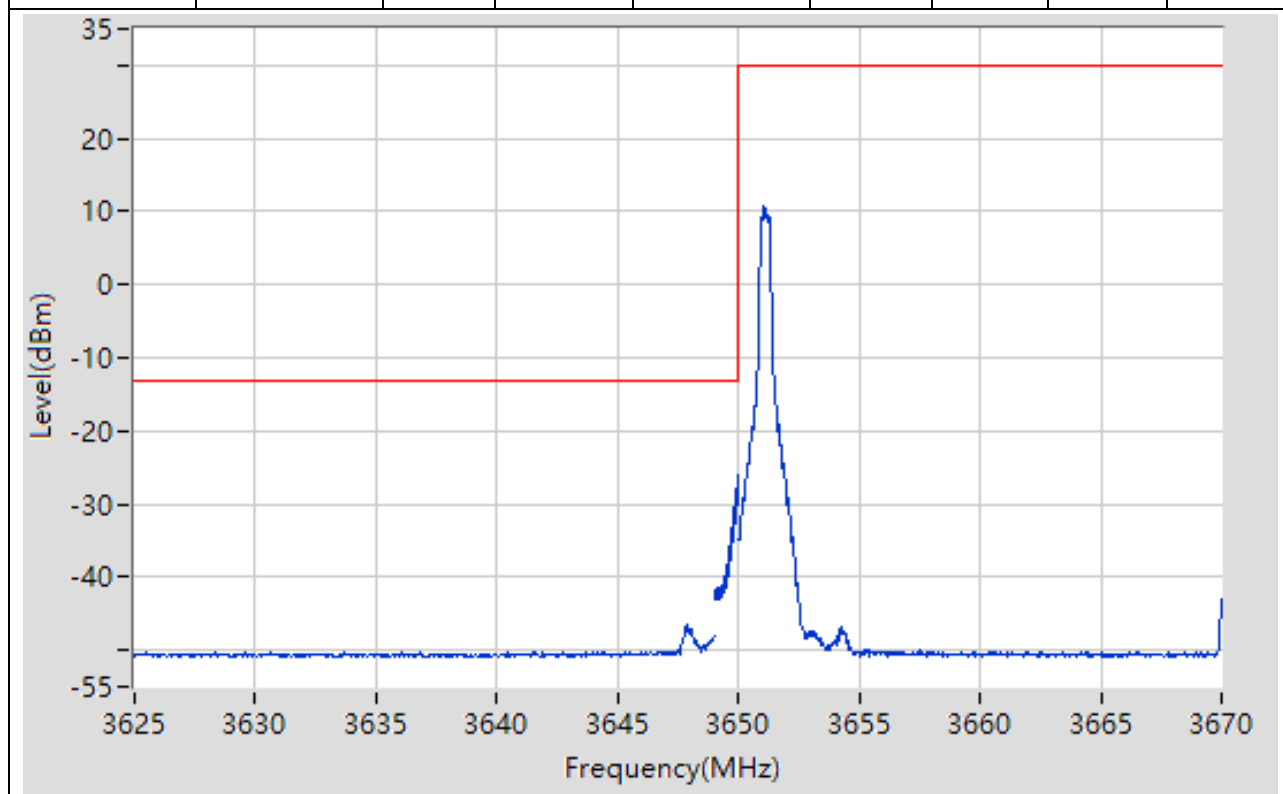
**54.16. Band Edge for SA\_IC(NTNV)(Subtest:16, Channel:645666, Bandwidth:30, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3665                  | 3700                 | 0.1       | RMS      | 3679.992        | -6.54       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.3       | RMS      | 3700.33         | -41.15      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.28         | -46.08      | -13         | Pass    | 601         |



**54.17. Band Edge for SA\_IC(NTNV)(Subtest:17, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

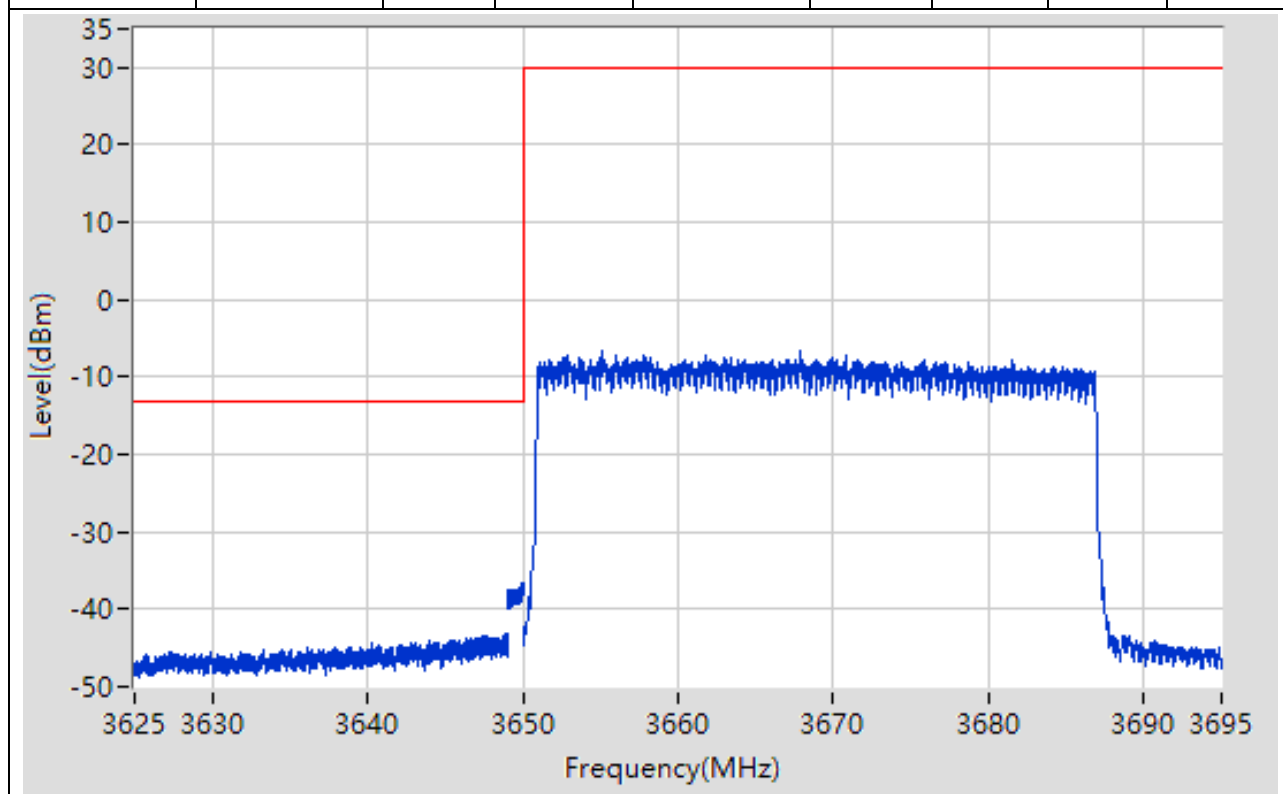
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.92         | -46.62      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3650            | -26.2       | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3651.067        | 10.92       | 30          | Pass    | 601         |





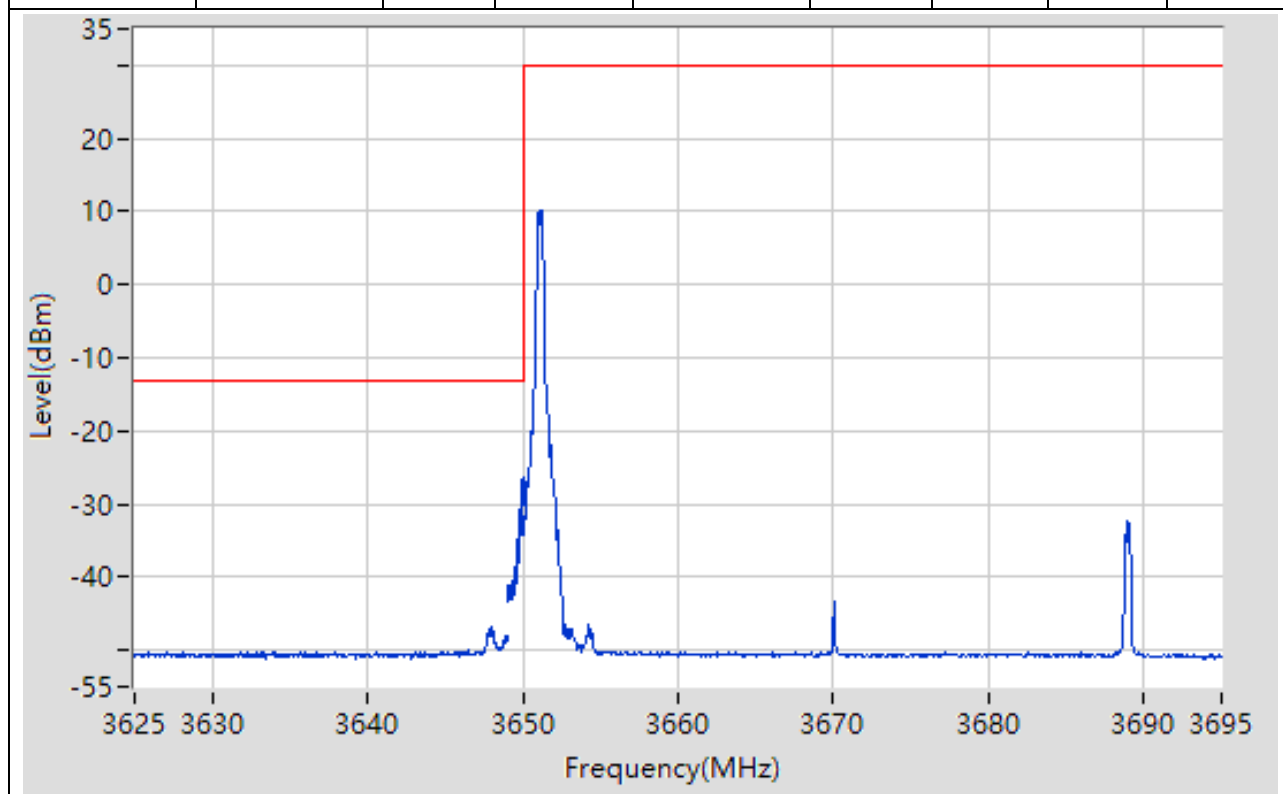
**54.18. Band Edge for SA\_IC(NTNV)(Subtest:18, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.92         | -43.15      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3649.995        | -36.5       | -13         | Pass    | 601         |
| 3650                  | 3695                 | 0.1       | RMS      | 3667.925        | -6.51       | 30          | Pass    | 601         |



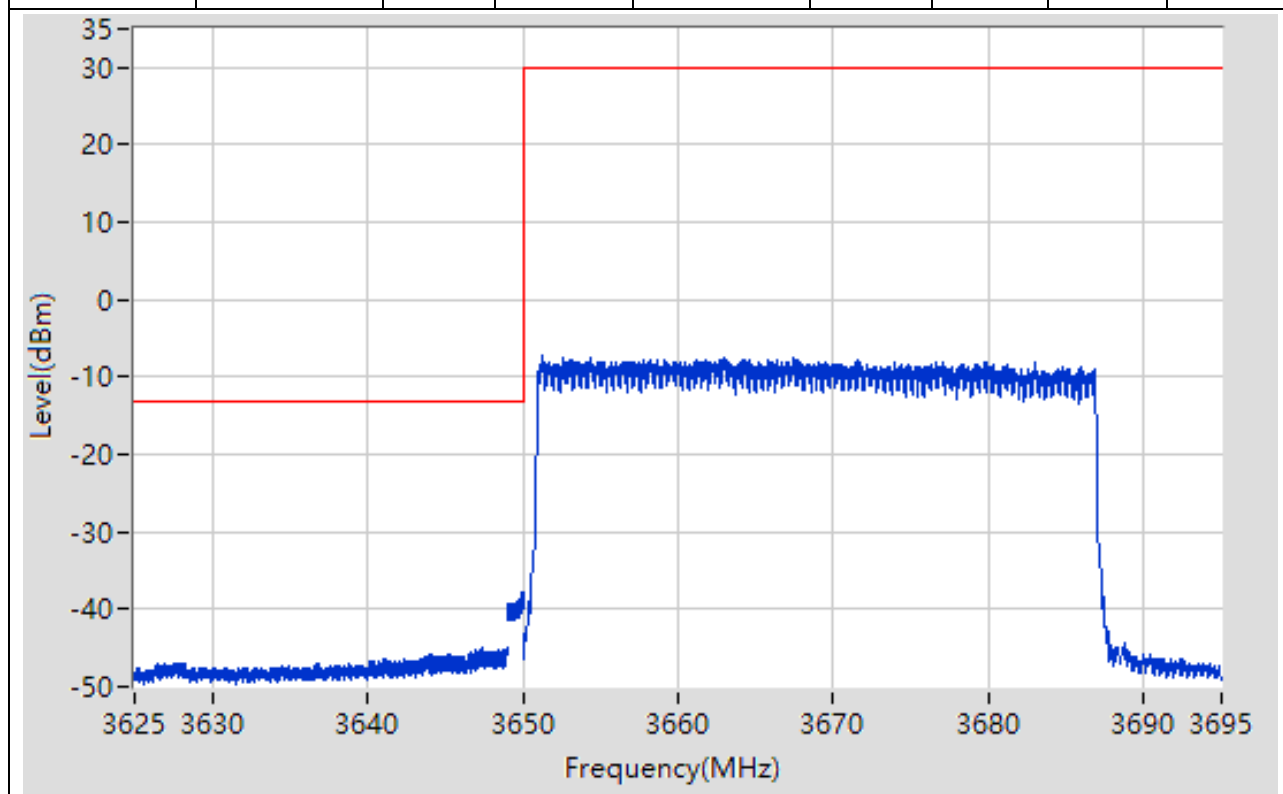
**54.19. Band Edge for SA\_IC(NTNV)(Subtest:19, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.96         | -46.7       | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3650            | -26.32      | -13         | Pass    | 601         |
| 3650                  | 3695                 | 0.1       | RMS      | 3651.125        | 10.27       | 30          | Pass    | 601         |



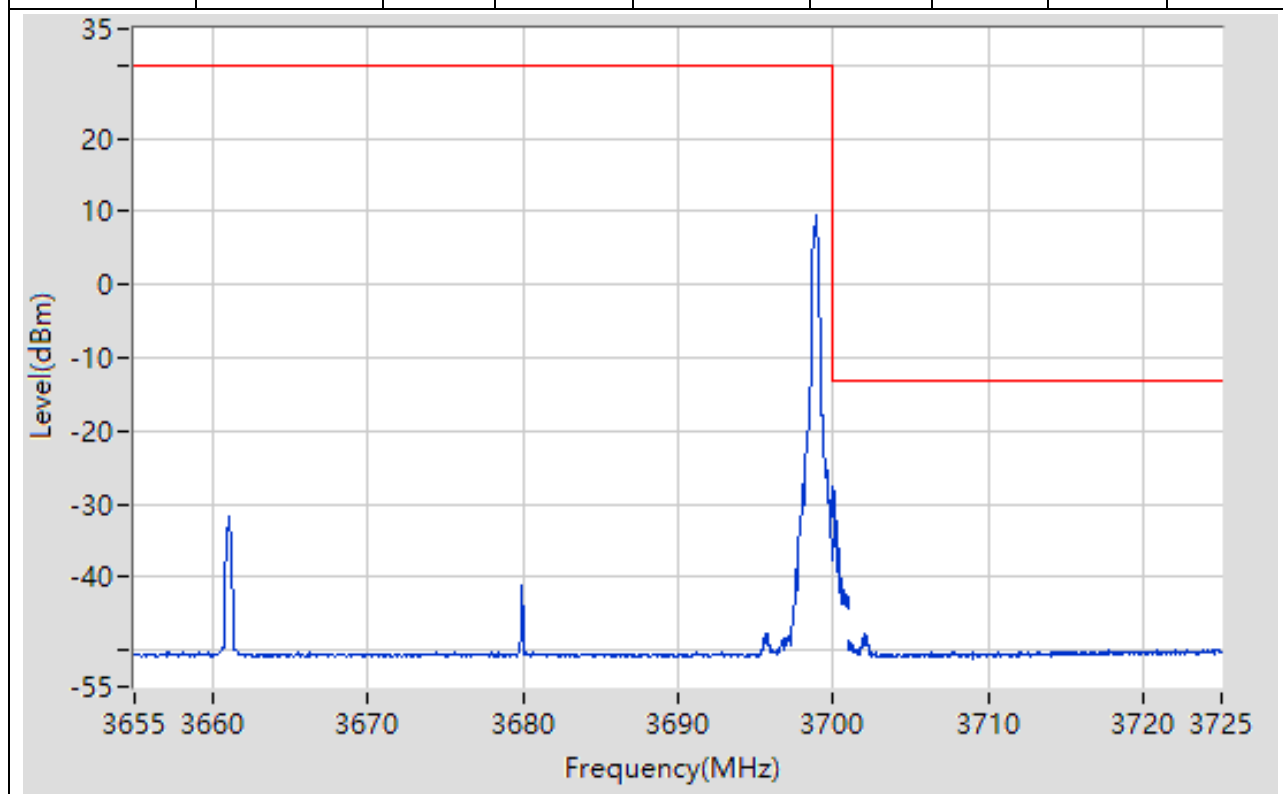
**54.20. Band Edge for SA\_IC(NTNV)(Subtest:20, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.4          | -44.96      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3650            | -37.8       | -13         | Pass    | 601         |
| 3650                  | 3695                 | 0.1       | RMS      | 3651.275        | -7.33       | 30          | Pass    | 601         |



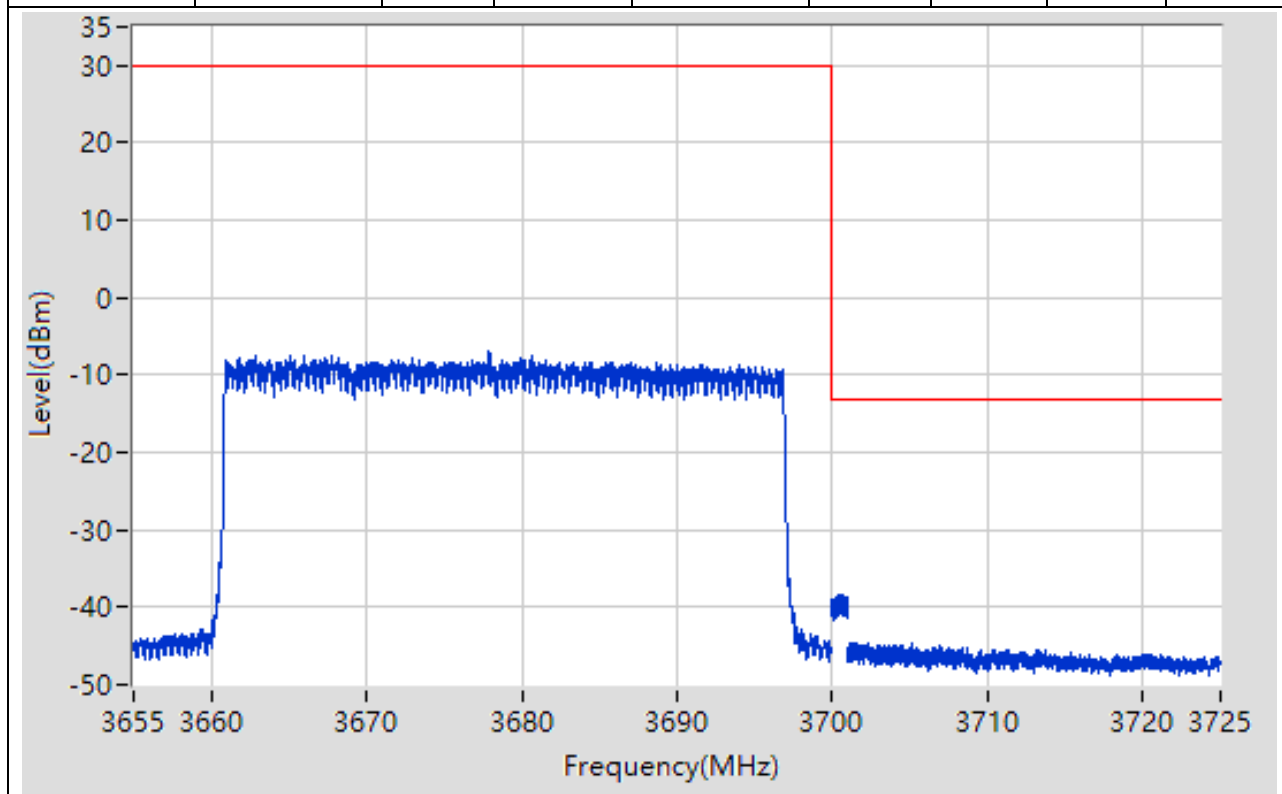
**54.21. Band Edge for SA\_IC(NTNV)(Subtest:21, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:105)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3698.875        | 9.55        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700            | -27.74      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.08         | -47.89      | -13         | Pass    | 601         |



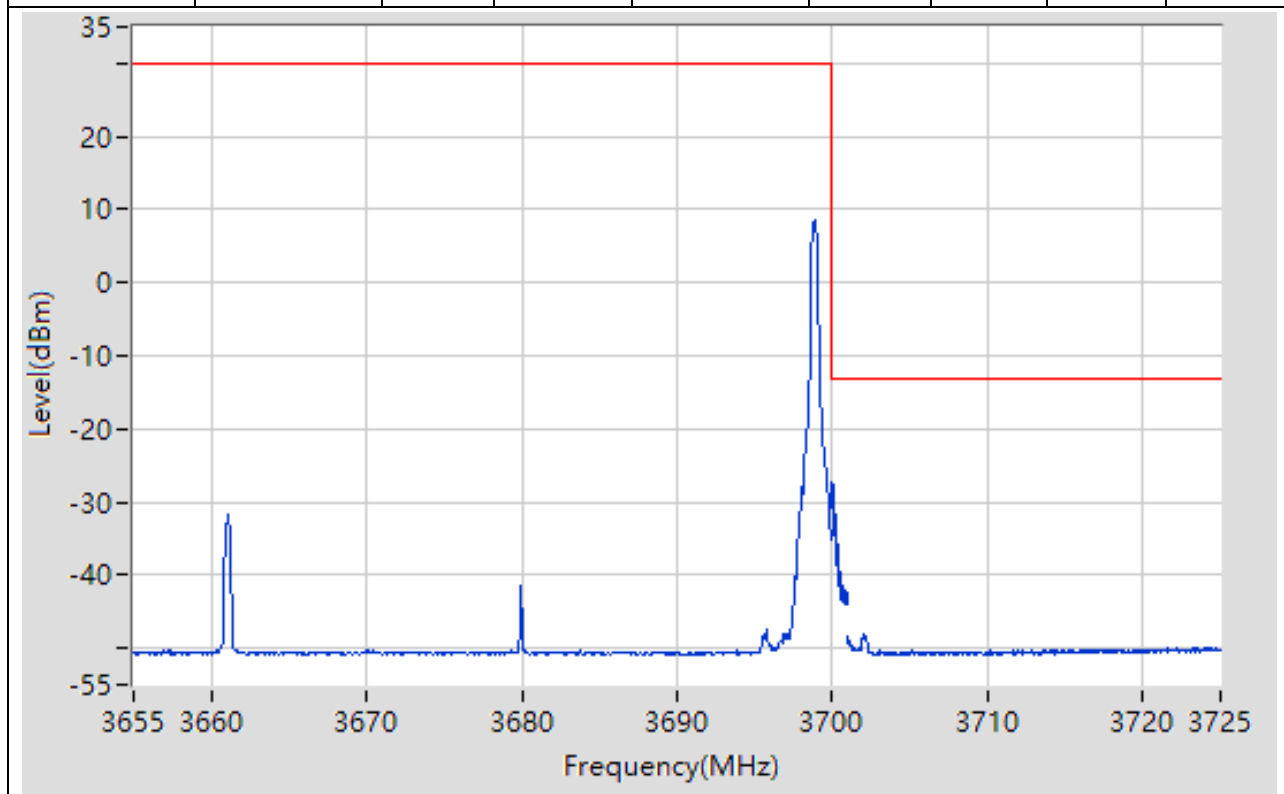
**54.22. Band Edge for SA\_IC(NTNV)(Subtest:22, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3677.875        | -6.87       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700.55         | -38.41      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.36         | -44.56      | -13         | Pass    | 601         |



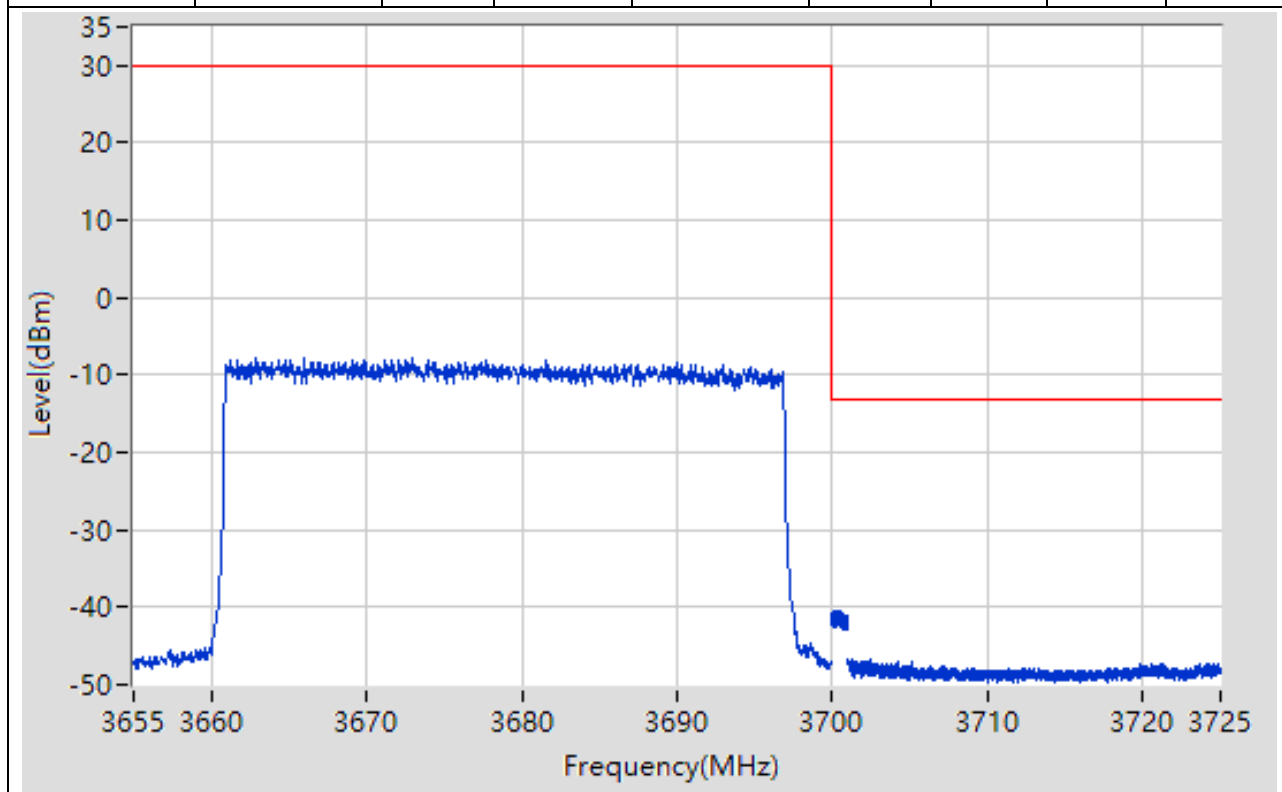
**54.23. Band Edge for SA\_IC(NTNV)(Subtest:23, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:105)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3698.875        | 8.72        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700            | -27.39      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.08         | -48.15      | -13         | Pass    | 601         |



**54.24. Band Edge for SA\_IC(NTNV)(Subtest:24, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

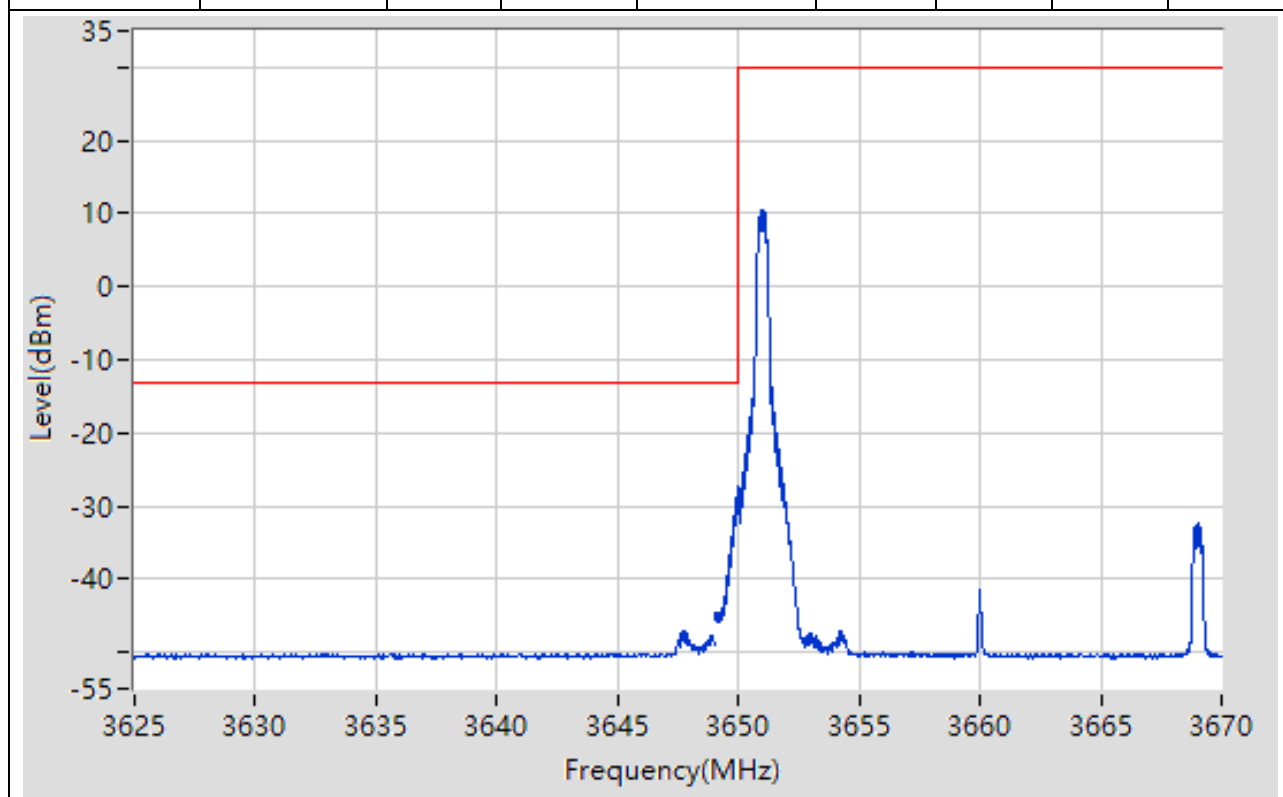
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3672.925        | -7.81       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700.275        | -40.47      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701            | -46.68      | -13         | Pass    | 601         |



## 55. n77 30kHz(3650-3700MHz) \_MIMO-ANT4

55.1. Band Edge for SA\_IC(NTNV)(Subtest:1, Channel:644000, Bandwidth:20, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)

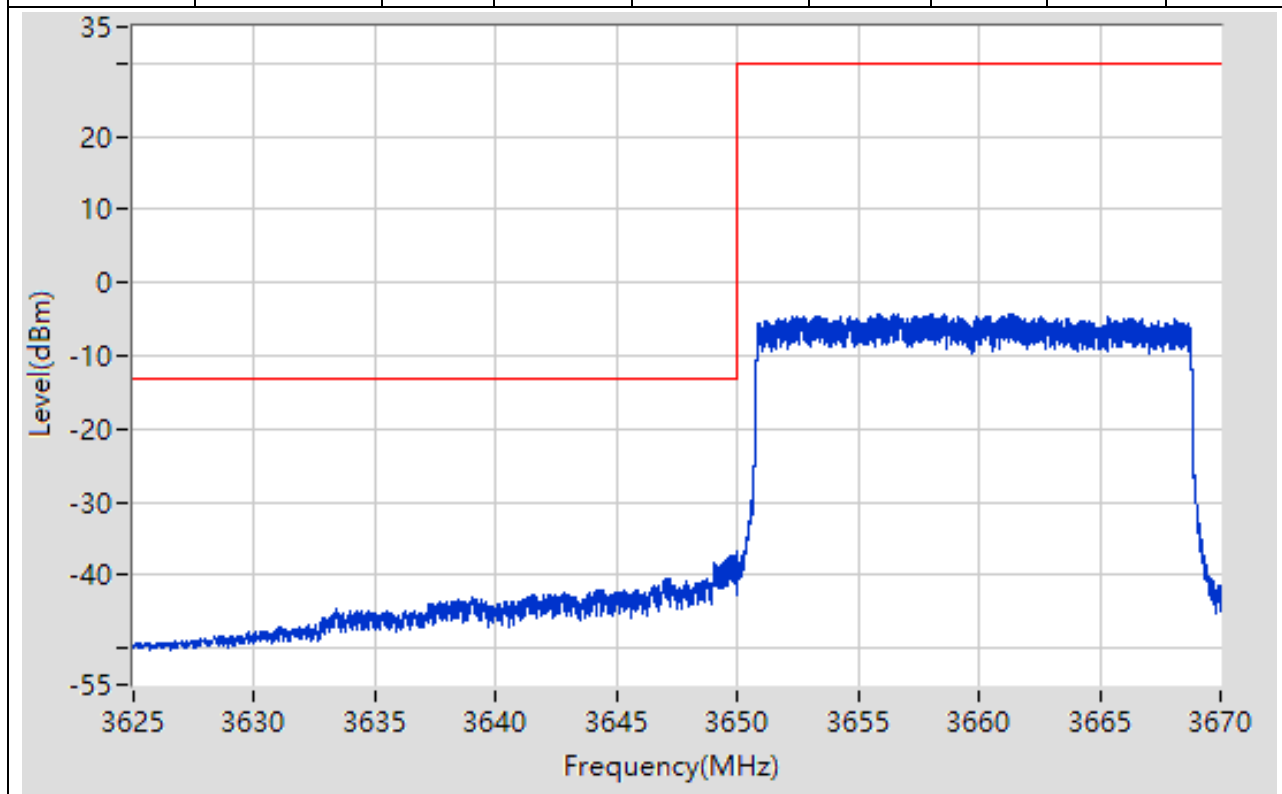
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.72         | -47.11      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3649.998        | -27.16      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3650.967        | 10.58       | 30          | Pass    | 601         |





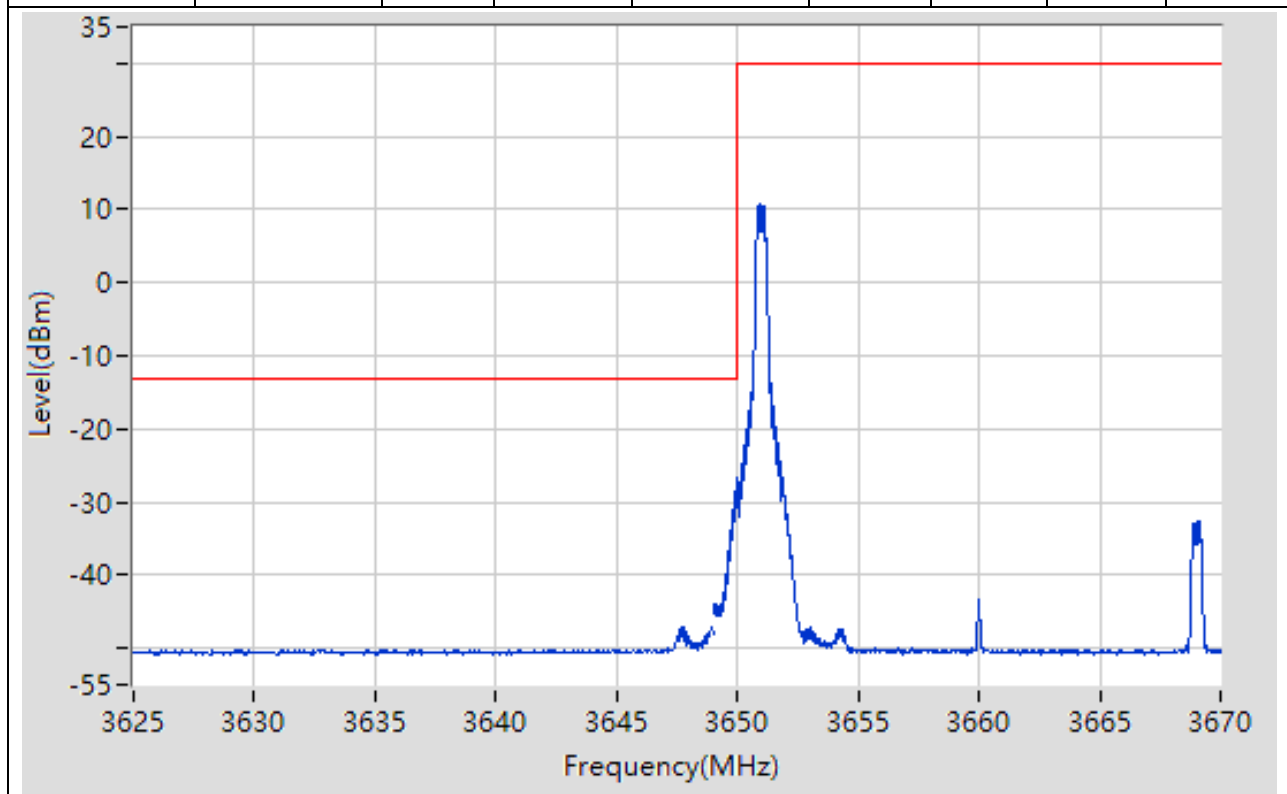
**55.2. Band Edge for SA\_IC(NTNV)(Subtest:2, Channel:644000, Bandwidth:20, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.72         | -40.45      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3649.997        | -36.62      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3655.833        | -4.31       | 30          | Pass    | 601         |



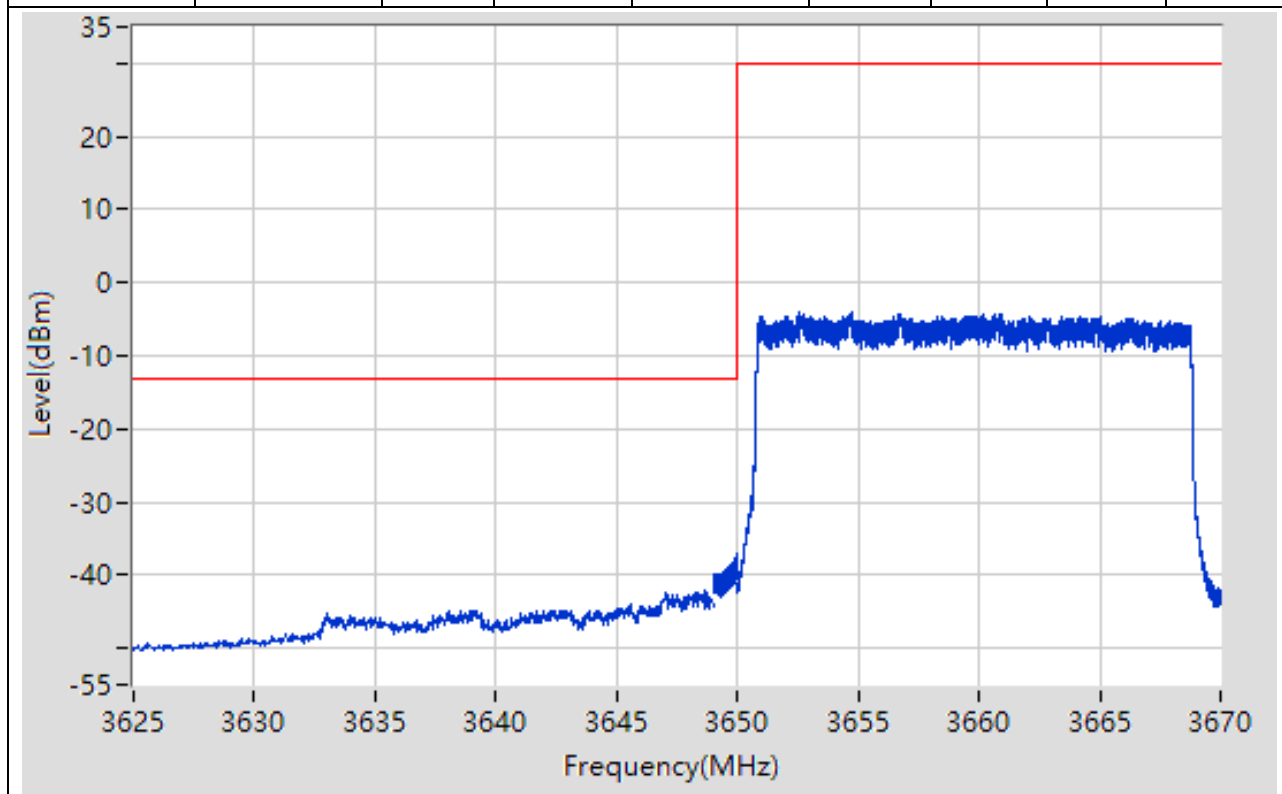
**55.3. Band Edge for SA\_IC(NTNV)(Subtest:3, Channel:644000, Bandwidth:20, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.96         | -47         | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3650            | -26.79      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3650.9          | 10.73       | 30          | Pass    | 601         |



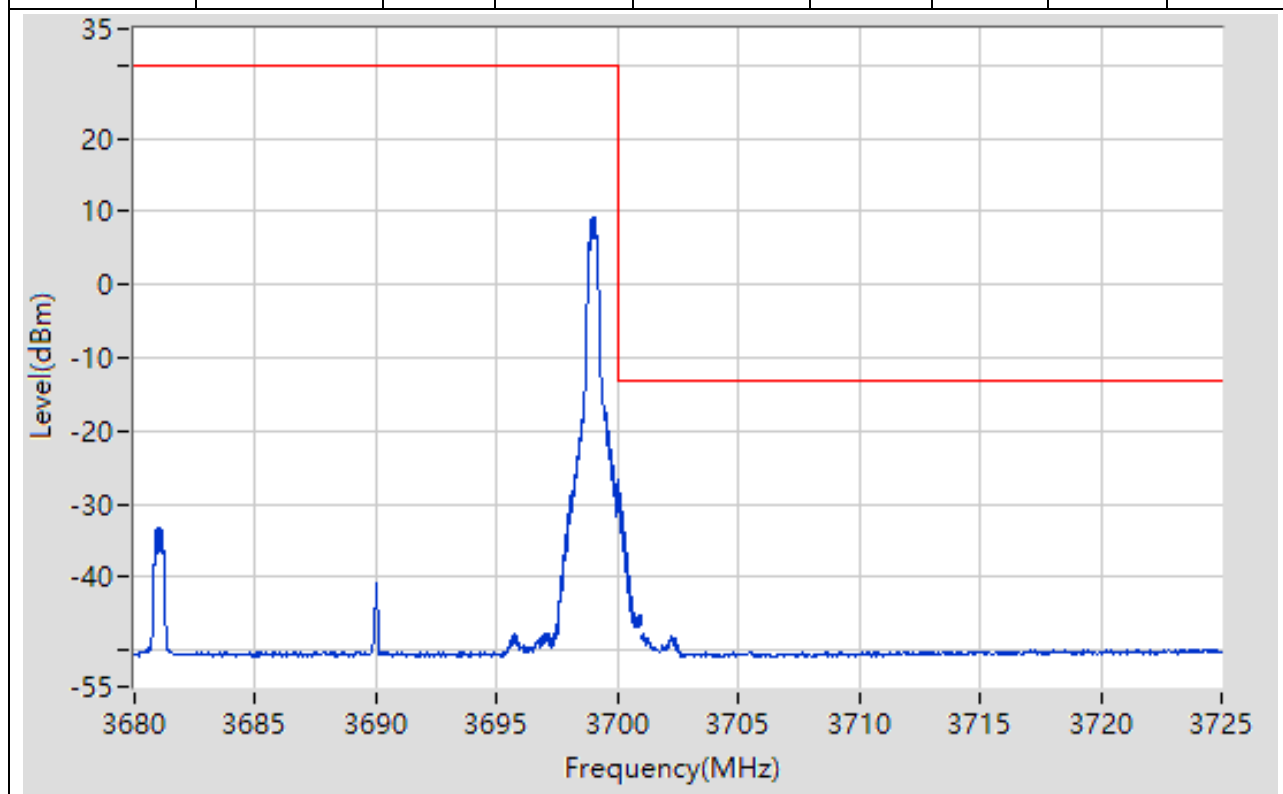
**55.4. Band Edge for SA\_IC(NTNV)(Subtest:4, Channel:644000, Bandwidth:20, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.6          | -42.08      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3650            | -37.15      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3654.733        | -3.89       | 30          | Pass    | 601         |



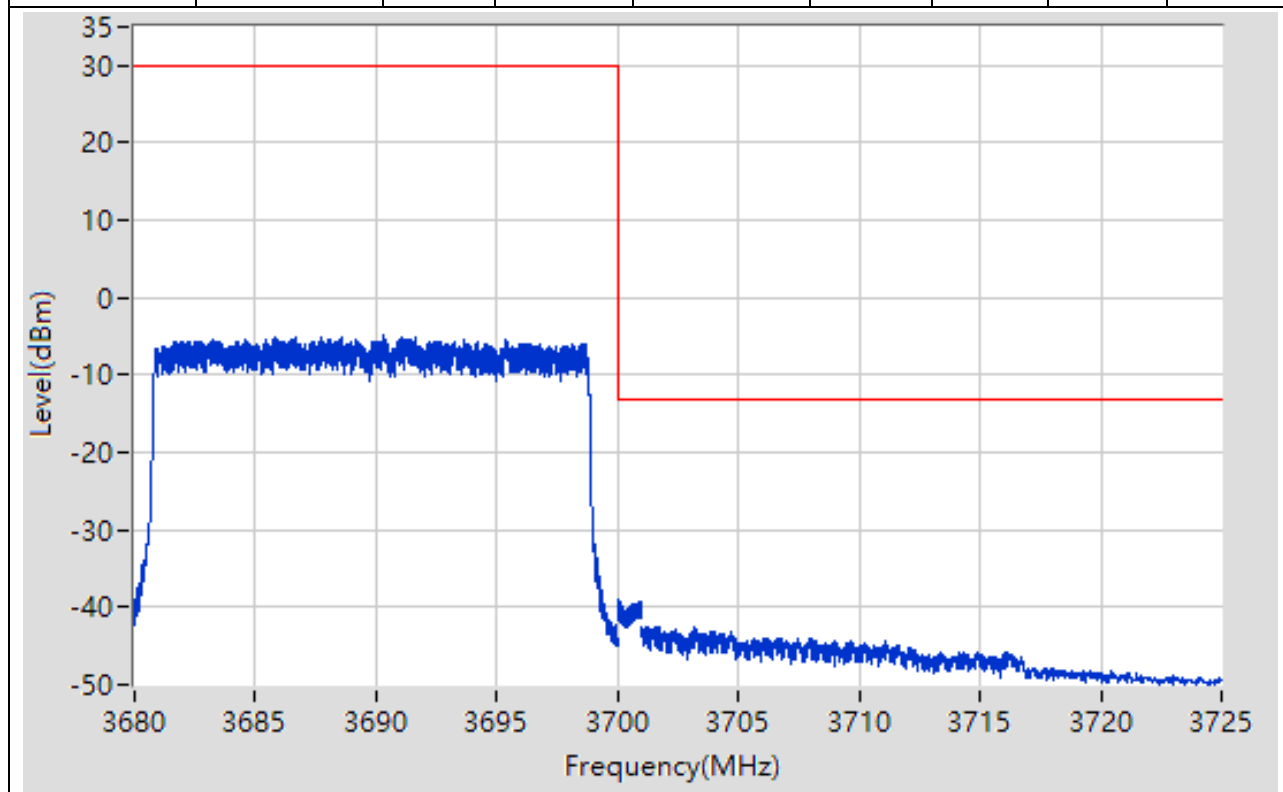
**55.5. Band Edge for SA\_IC(NTNV)(Subtest:5, Channel:646000, Bandwidth:20, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3699.067        | 9.25        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.003        | -26.73      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.04         | -47.91      | -13         | Pass    | 601         |



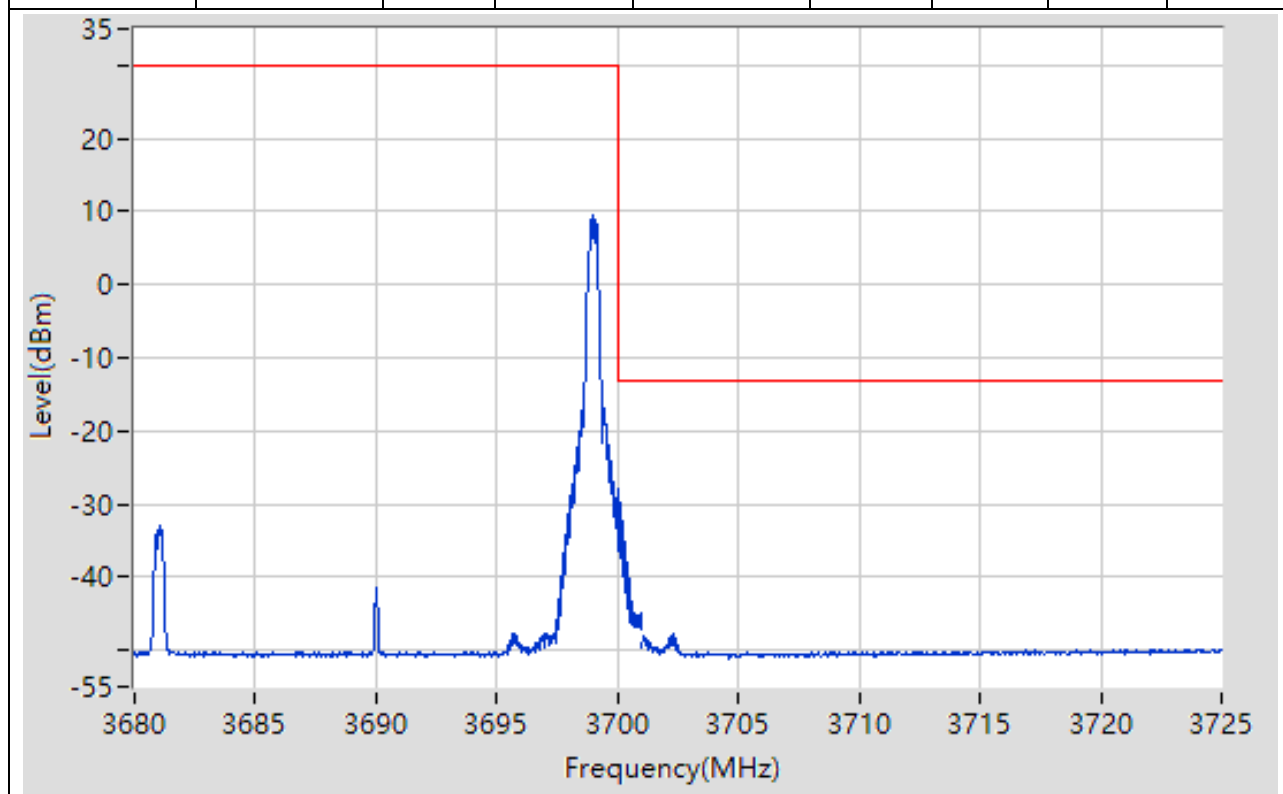
**55.6. Band Edge for SA\_IC(NTNV)(Subtest:6, Channel:646000, Bandwidth:20, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3690.333        | -4.97       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.045        | -39.14      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.56         | -42.49      | -13         | Pass    | 601         |



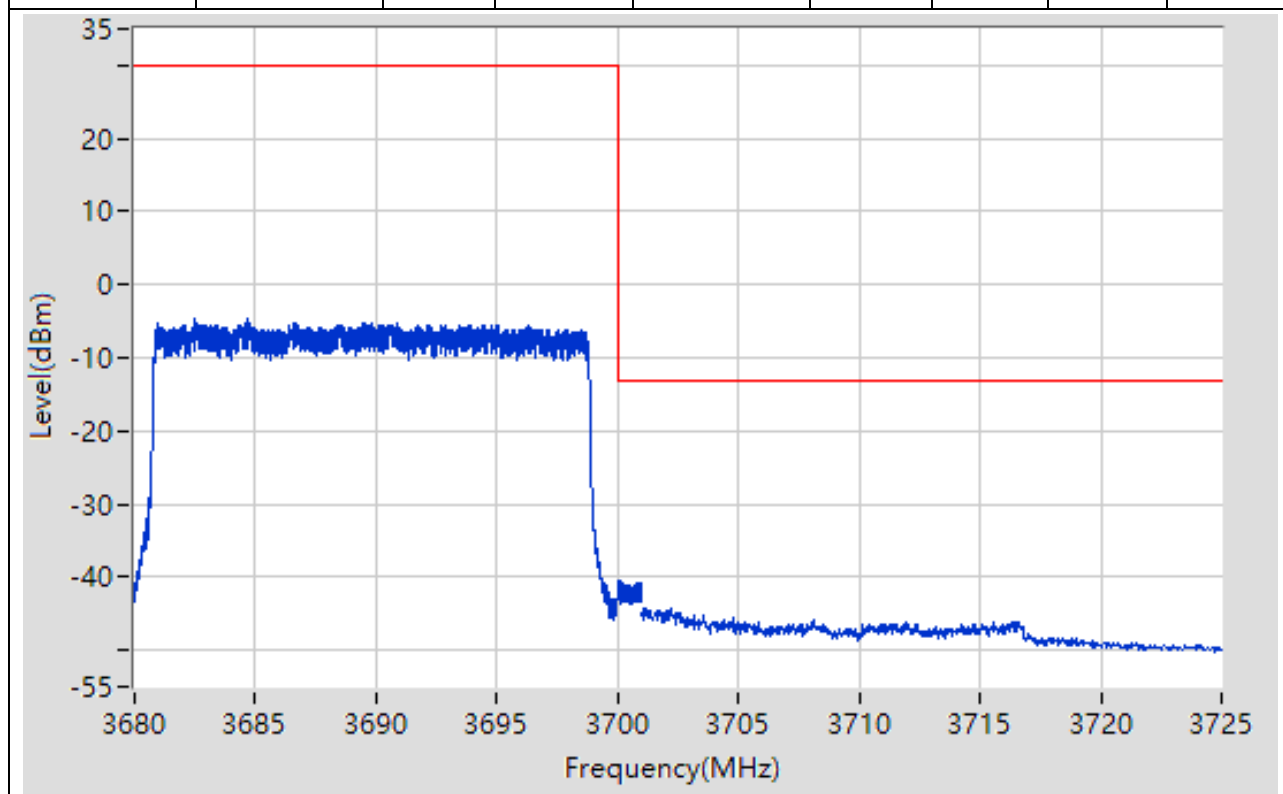
**55.7. Band Edge for SA\_IC(NTNV)(Subtest:7, Channel:646000, Bandwidth:20, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.933        | 9.61        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.002        | -27.87      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.28         | -47.81      | -13         | Pass    | 601         |



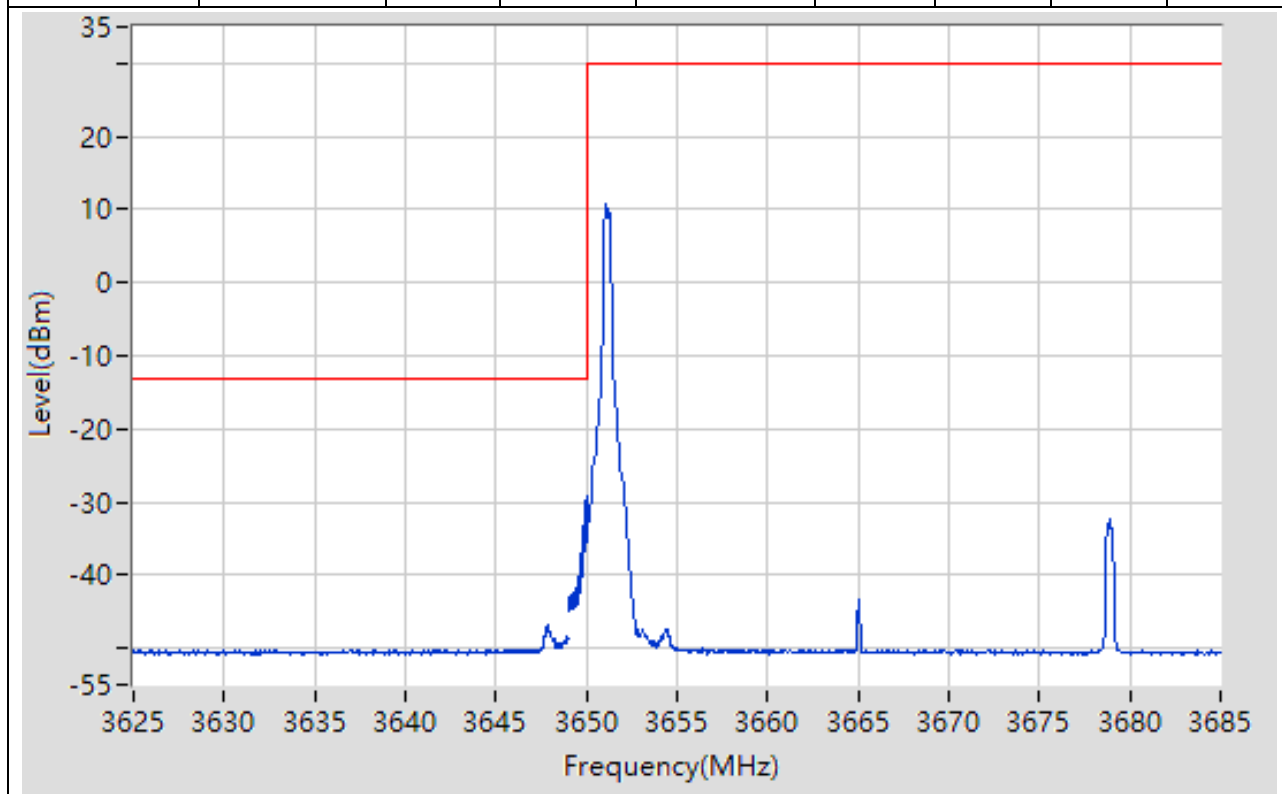
**55.8. Band Edge for SA\_IC(NTNV)(Subtest:8, Channel:646000, Bandwidth:20, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3684.7          | -4.57       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.005        | -40.39      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.04         | -44.39      | -13         | Pass    | 601         |



**55.9. Band Edge for SA\_IC(NTNV)(Subtest:9, Channel:644334, Bandwidth:30, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

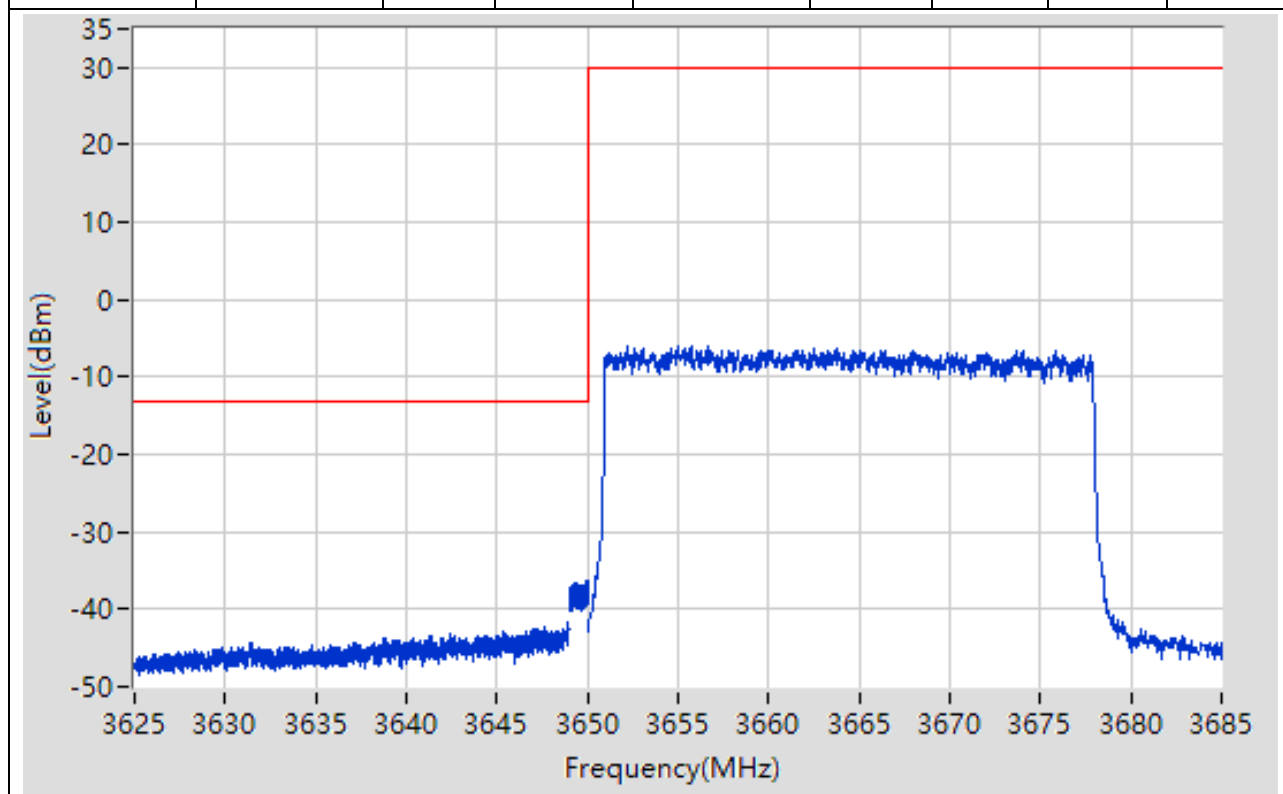
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.88         | -46.93      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.3       | RMS      | 3650            | -29.16      | -13         | Pass    | 601         |
| 3650                  | 3685                 | 0.1       | RMS      | 3651.108        | 10.8        | 30          | Pass    | 601         |





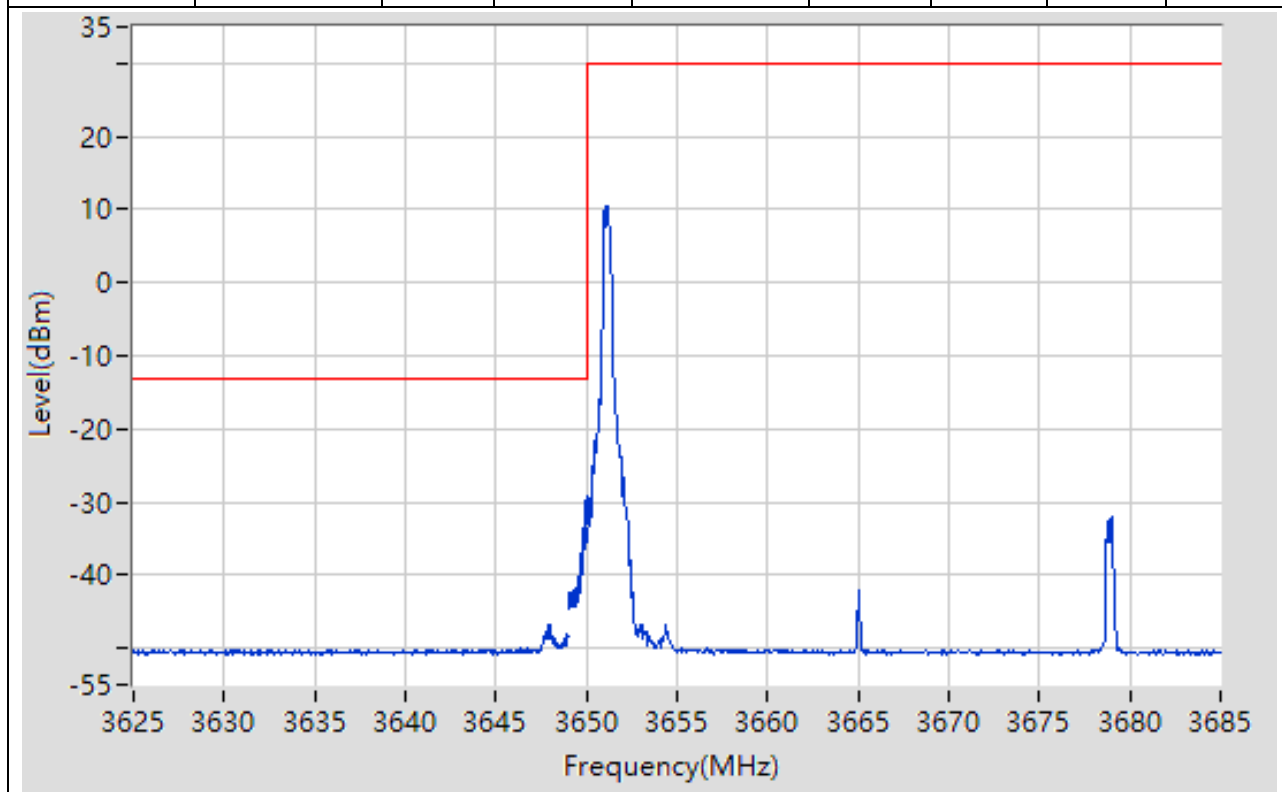
**55.10. Band Edge for SA\_IC(NTNV)(Subtest:10, Channel:644334, Bandwidth:30, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.88         | -41.69      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.3       | RMS      | 3650            | -36.27      | -13         | Pass    | 601         |
| 3650                  | 3685                 | 0.1       | RMS      | 3655.017        | -6.04       | 30          | Pass    | 601         |



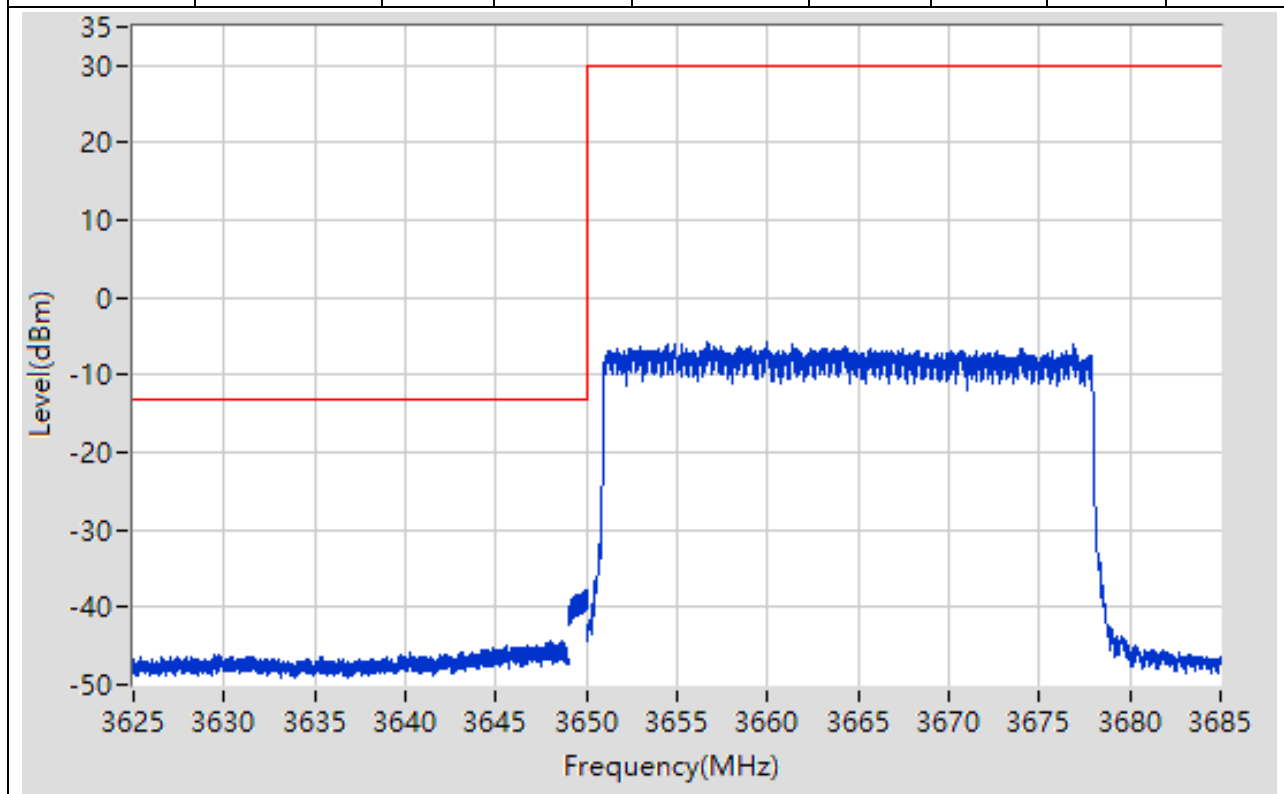
**55.11. Band Edge for SA\_IC(NTNV)(Subtest:11, Channel:644334, Bandwidth:30, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.88         | -46.73      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.3       | RMS      | 3649.998        | -29.1       | -13         | Pass    | 601         |
| 3650                  | 3685                 | 0.1       | RMS      | 3651.05         | 10.56       | 30          | Pass    | 601         |



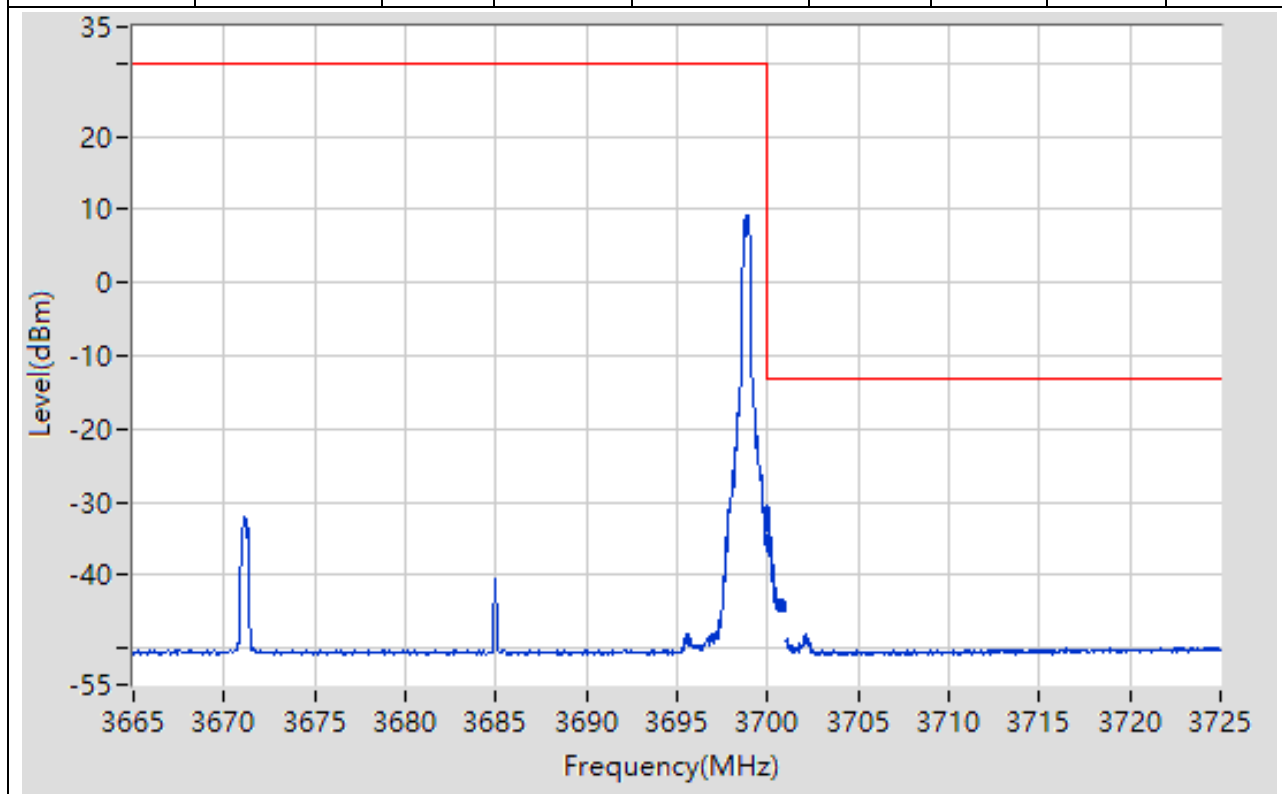
**55.12. Band Edge for SA\_IC(NTNV)(Subtest:12, Channel:644334, Bandwidth:30, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648            | -44.34      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.3       | RMS      | 3649.992        | -37.73      | -13         | Pass    | 601         |
| 3650                  | 3685                 | 0.1       | RMS      | 3659.975        | -5.7        | 30          | Pass    | 601         |



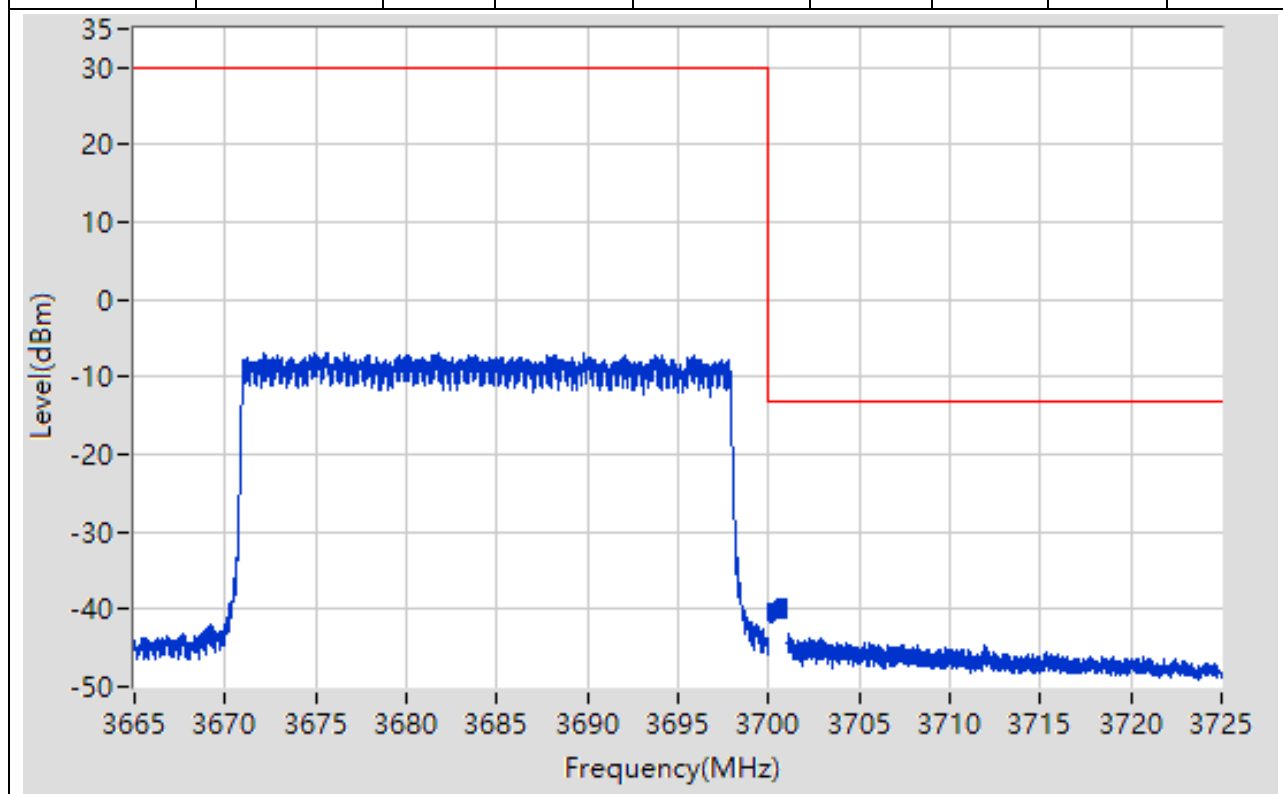
**55.13. Band Edge for SA\_IC(NTNV)(Subtest:13, Channel:645666, Bandwidth:30, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:77)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3665                  | 3700                 | 0.1       | RMS      | 3698.775        | 9.26        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.3       | RMS      | 3700.002        | -30.45      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.08         | -48.09      | -13         | Pass    | 601         |



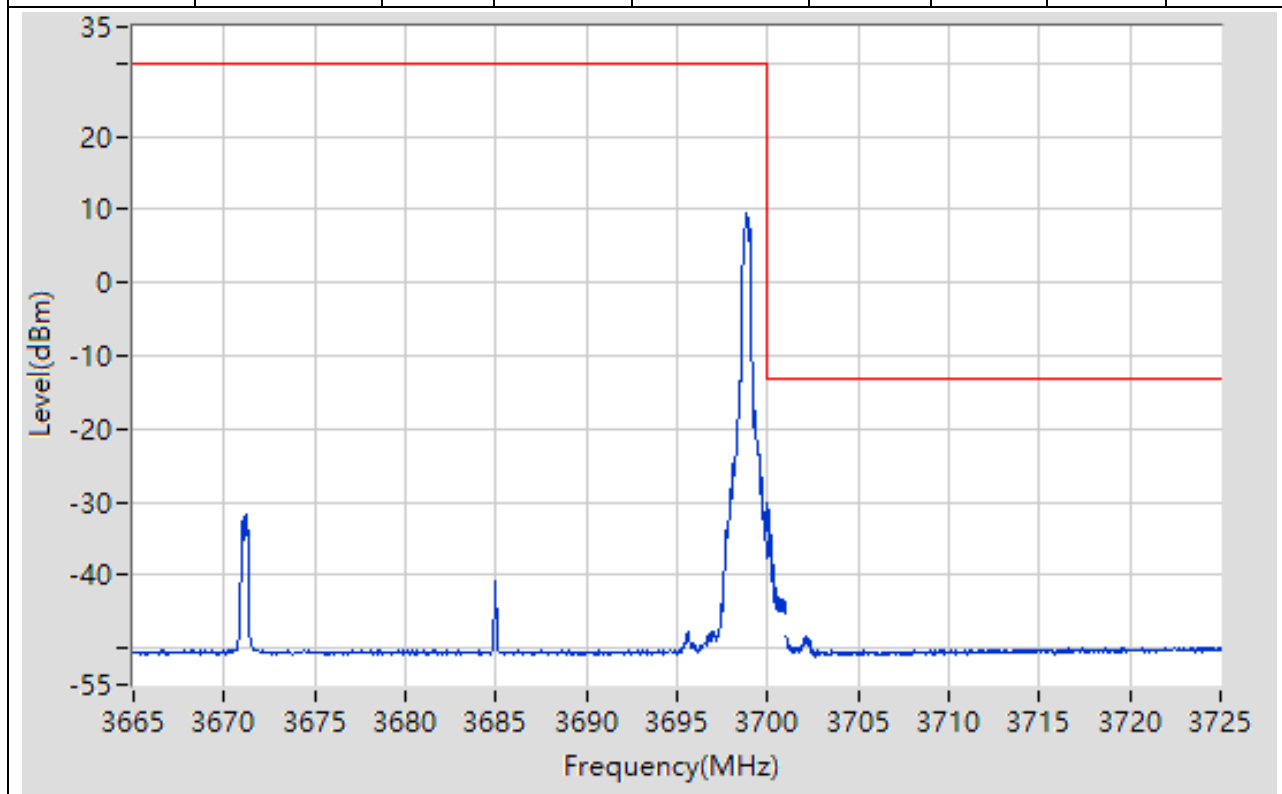
**55.14. Band Edge for SA\_IC(NTNV)(Subtest:14, Channel:645666, Bandwidth:30, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:78, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3665                  | 3700                 | 0.1       | RMS      | 3676.55         | -6.76       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.3       | RMS      | 3700.783        | -38.65      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.16         | -43.18      | -13         | Pass    | 601         |



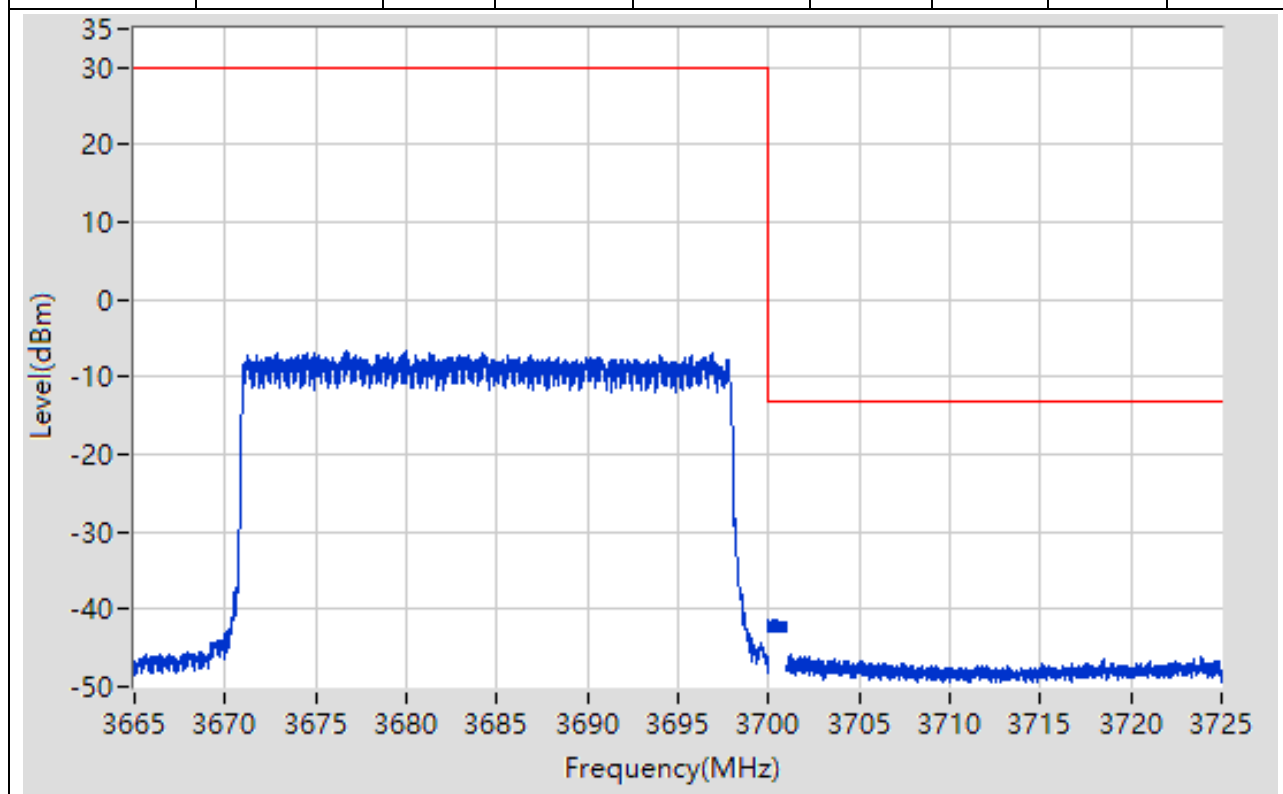
**55.15. Band Edge for SA\_IC(NTNV)(Subtest:15, Channel:645666, Bandwidth:30, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:77)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3665                  | 3700                 | 0.1       | RMS      | 3698.775        | 9.56        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.3       | RMS      | 3700            | -30.22      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.12         | -48.28      | -13         | Pass    | 601         |



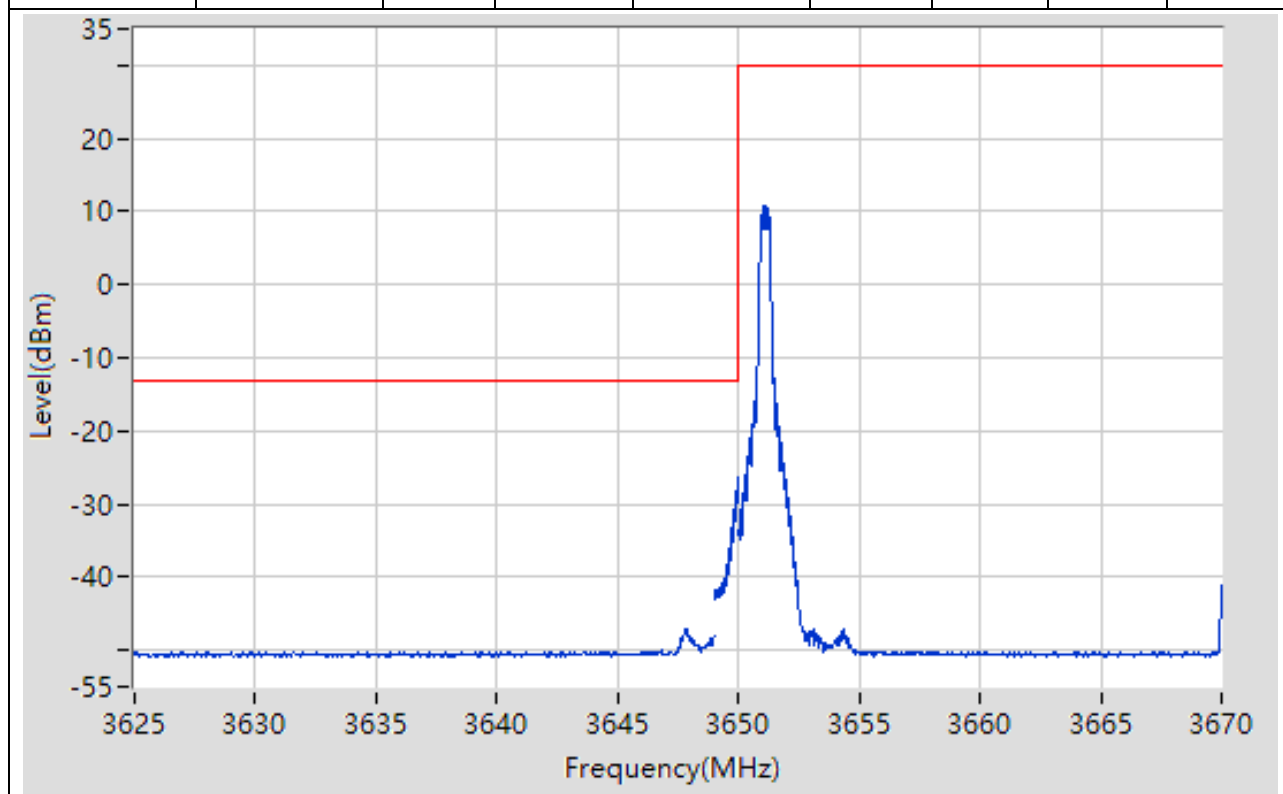
**55.16. Band Edge for SA\_IC(NTNV)(Subtest:16, Channel:645666, Bandwidth:30, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:78, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3665                  | 3700                 | 0.1       | RMS      | 3676.667        | -6.55       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.3       | RMS      | 3700.345        | -41.33      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.2          | -45.76      | -13         | Pass    | 601         |



**55.17. Band Edge for SA\_IC(NTNV)(Subtest:17, Channel:644668, Bandwidth:40, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

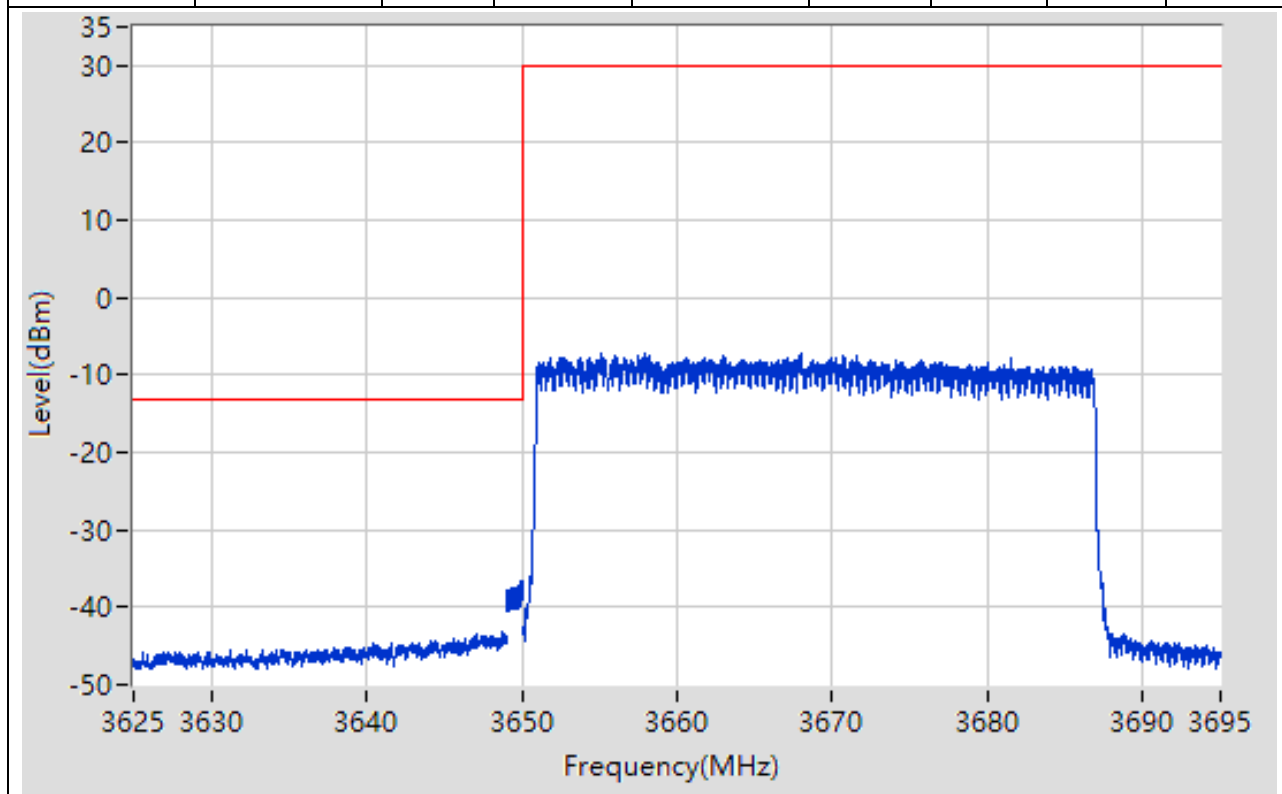
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.8          | -47.23      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3649.998        | -26.3       | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3651.1          | 10.86       | 30          | Pass    | 601         |





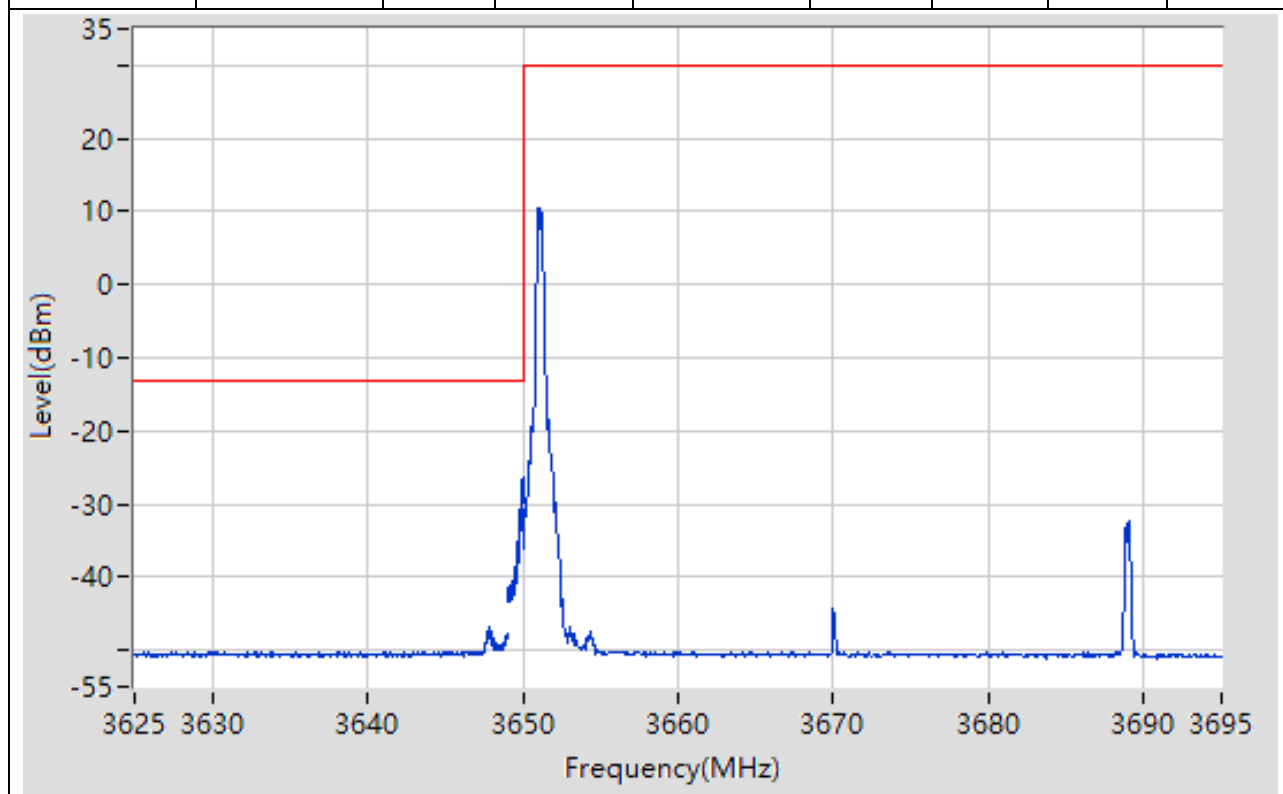
**55.18. Band Edge for SA\_IC(NTNV)(Subtest:18, Channel:644668, Bandwidth:40, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.76         | -43.21      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3649.998        | -36.53      | -13         | Pass    | 601         |
| 3650                  | 3695                 | 0.1       | RMS      | 3655.175        | -7.08       | 30          | Pass    | 601         |



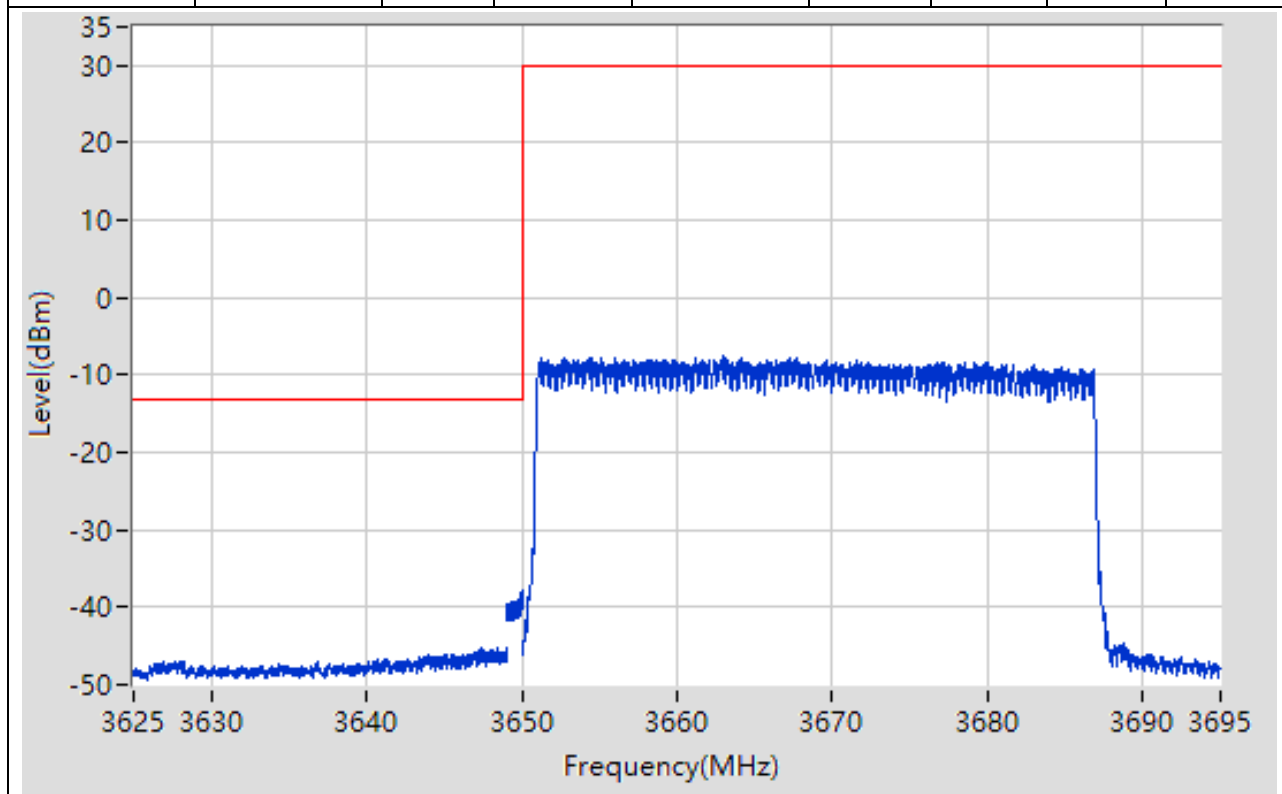
**55.19. Band Edge for SA\_IC(NTNV)(Subtest:19, Channel:644668, Bandwidth:40, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.88         | -46.72      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3650            | -26.42      | -13         | Pass    | 601         |
| 3650                  | 3695                 | 0.1       | RMS      | 3650.975        | 10.4        | 30          | Pass    | 601         |



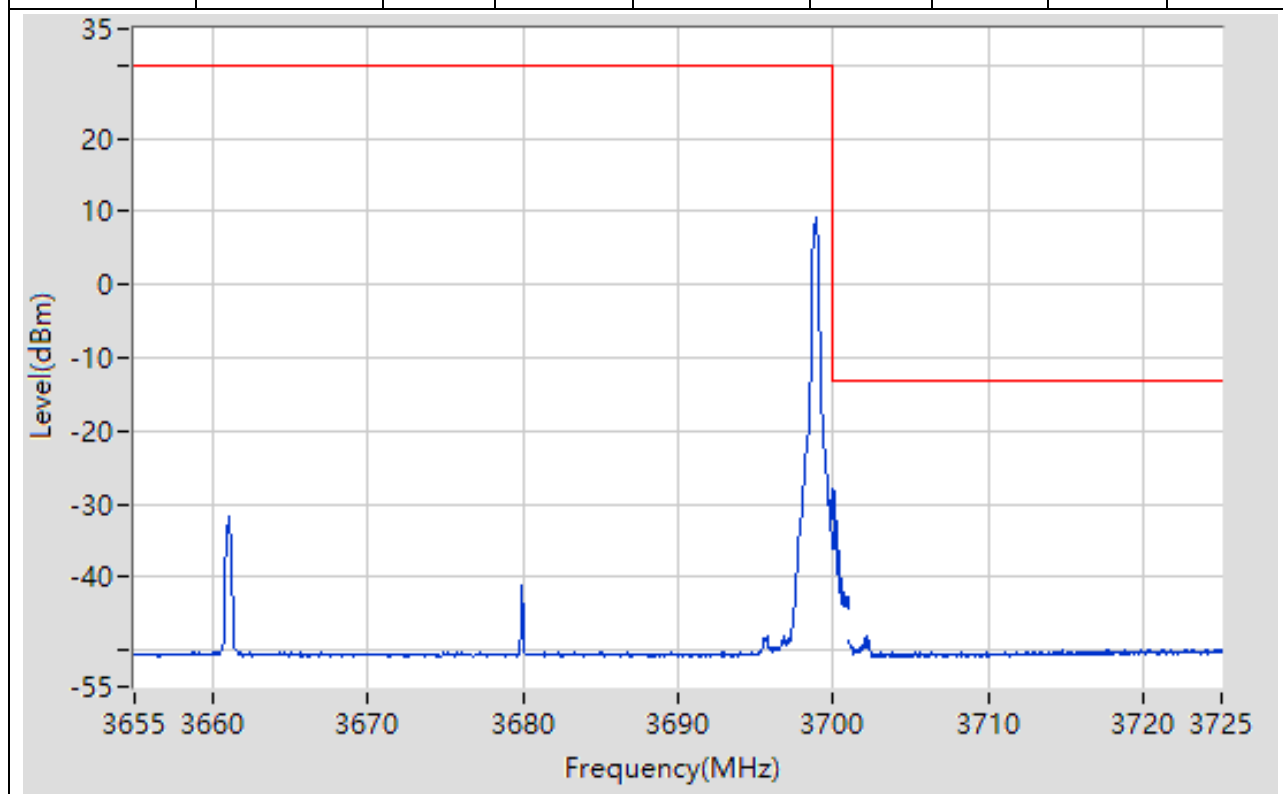
**55.20. Band Edge for SA\_IC(NTNV)(Subtest:20, Channel:644668, Bandwidth:40, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.4          | -45.27      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3649.998        | -37.96      | -13         | Pass    | 601         |
| 3650                  | 3695                 | 0.1       | RMS      | 3662.975        | -7.59       | 30          | Pass    | 601         |



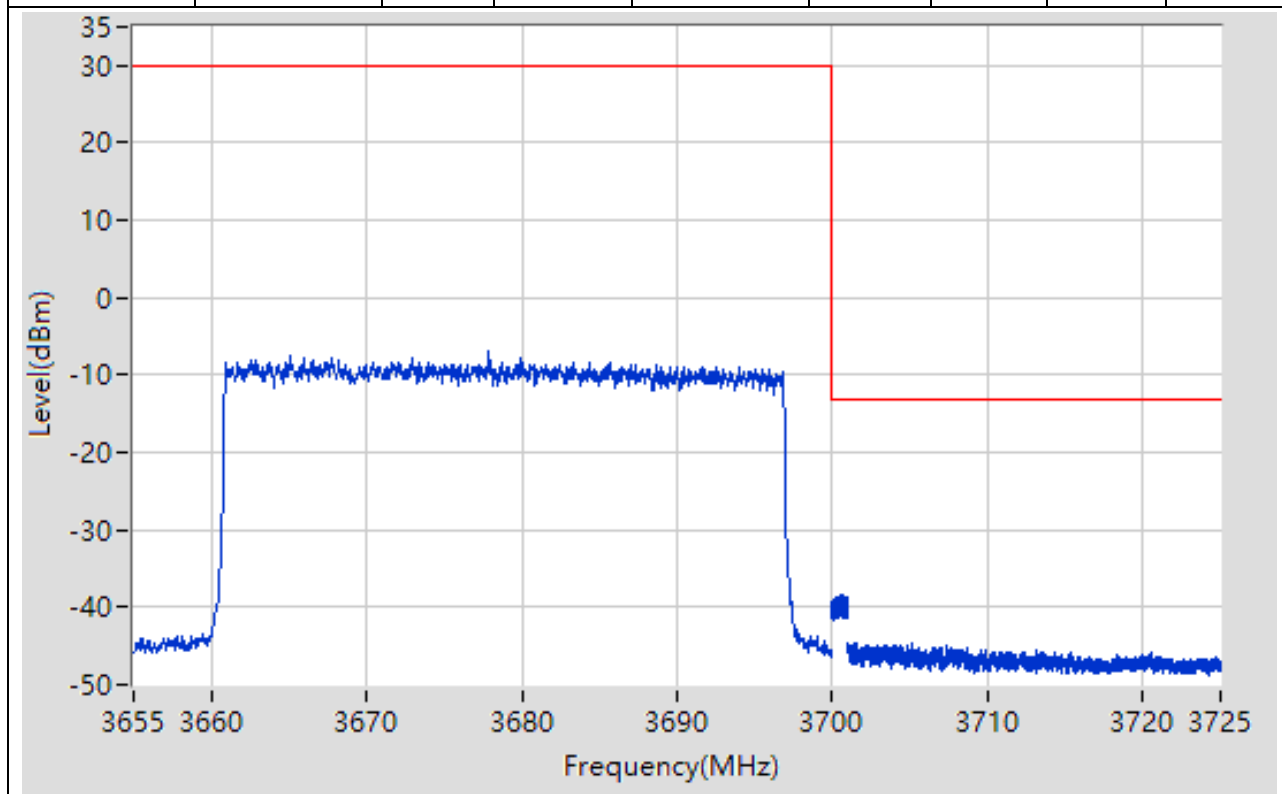
**55.21. Band Edge for SA\_IC(NTNV)(Subtest:21, Channel:645332, Bandwidth:40, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:1, RB Position:105)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3698.875        | 9.18        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700            | -27.96      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.12         | -48.19      | -13         | Pass    | 601         |



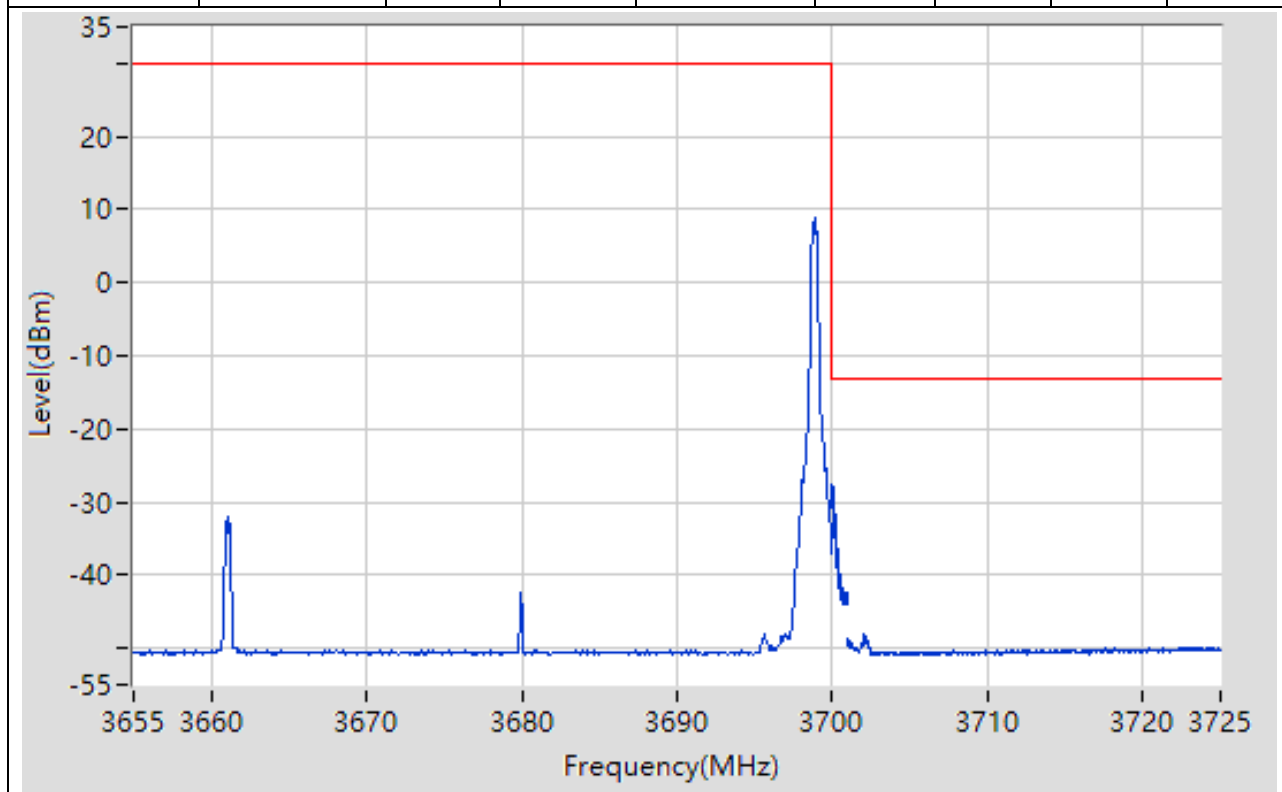
**55.22. Band Edge for SA\_IC(NTNV)(Subtest:22, Channel:645332, Bandwidth:40, SCS:30, OFDM:DFT-s-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3677.875        | -7.03       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700.665        | -38.49      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.64         | -44.64      | -13         | Pass    | 601         |



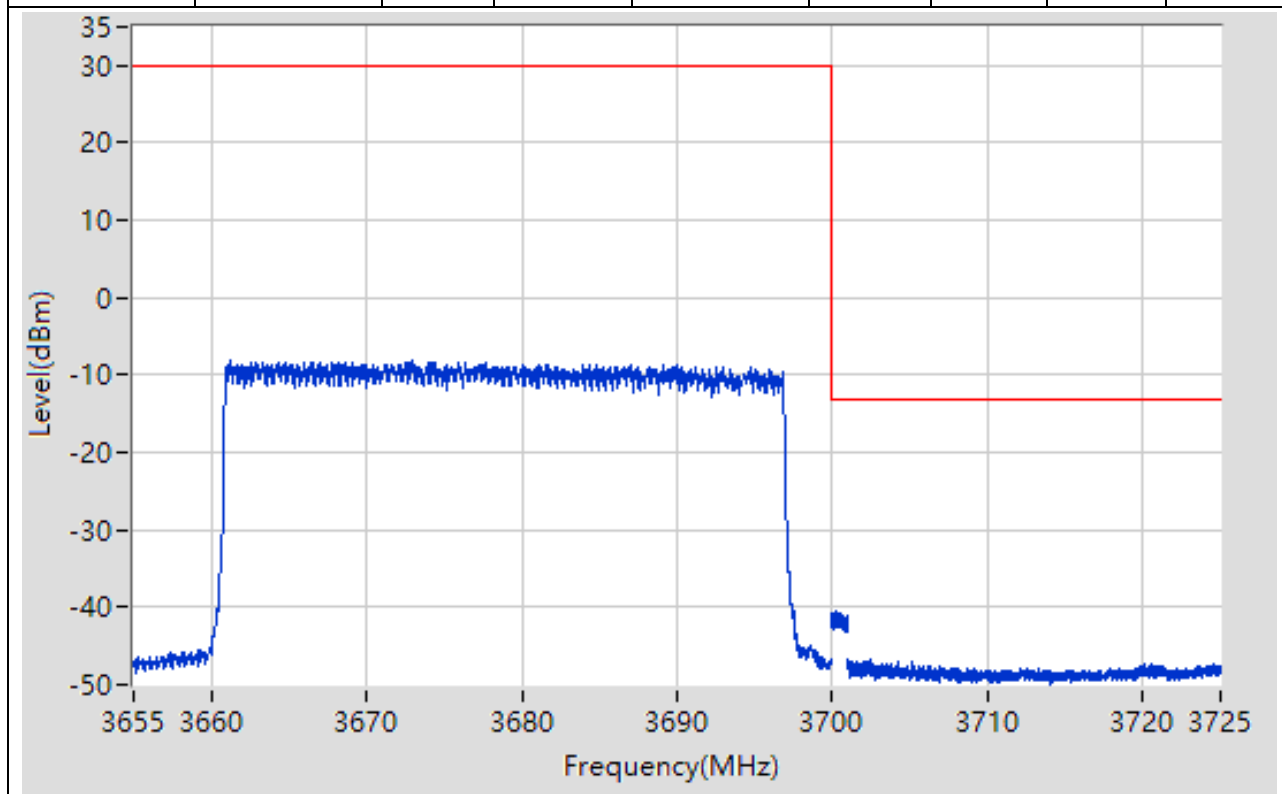
**55.23. Band Edge for SA\_IC(NTNV)(Subtest:23, Channel:645332, Bandwidth:40, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:1, RB Position:105)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3698.95         | 9.01        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700            | -27.65      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.08         | -48.14      | -13         | Pass    | 601         |



**55.24. Band Edge for SA\_IC(NTNV)(Subtest:24, Channel:645332, Bandwidth:40, SCS:30, OFDM:DFT-s-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

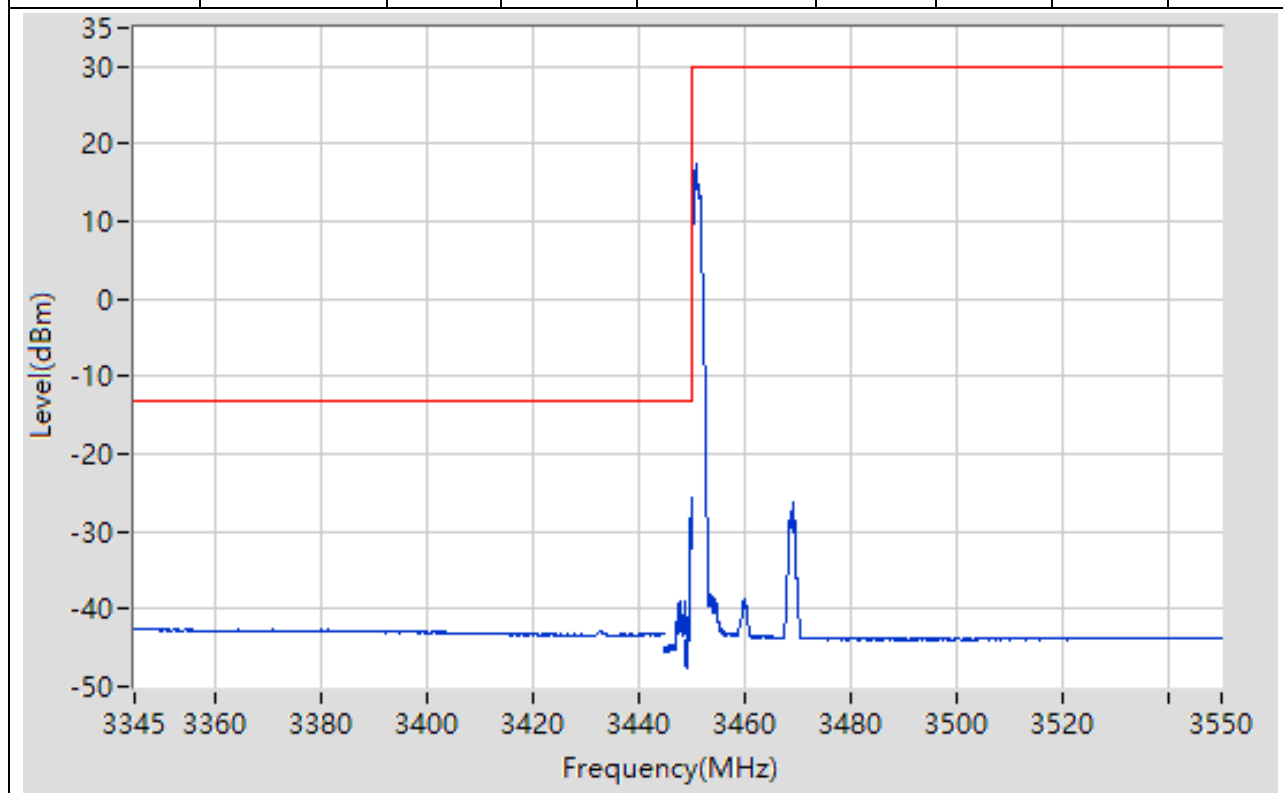
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3661.225        | -8.08       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700.282        | -40.56      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.04         | -46.82      | -13         | Pass    | 601         |



## 56. n78 30kHz(3450-3550MHz)\_MIMO-ANT1

56.1. Band Edge for SA(NTNV)(Subtest:1, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)

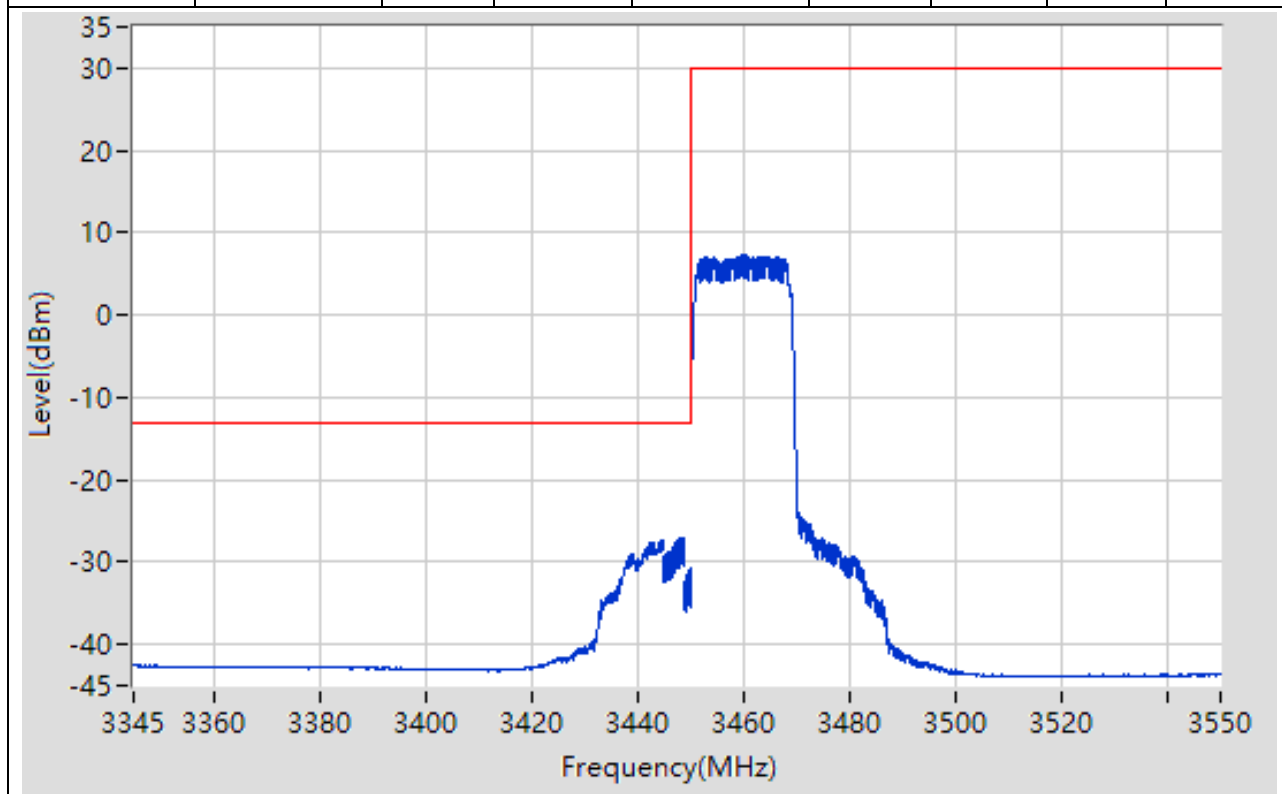
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3345            | -42.53      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3447.74         | -39.06      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.998        | -25.52      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451            | 17.61       | 30          | Pass    | 601         |





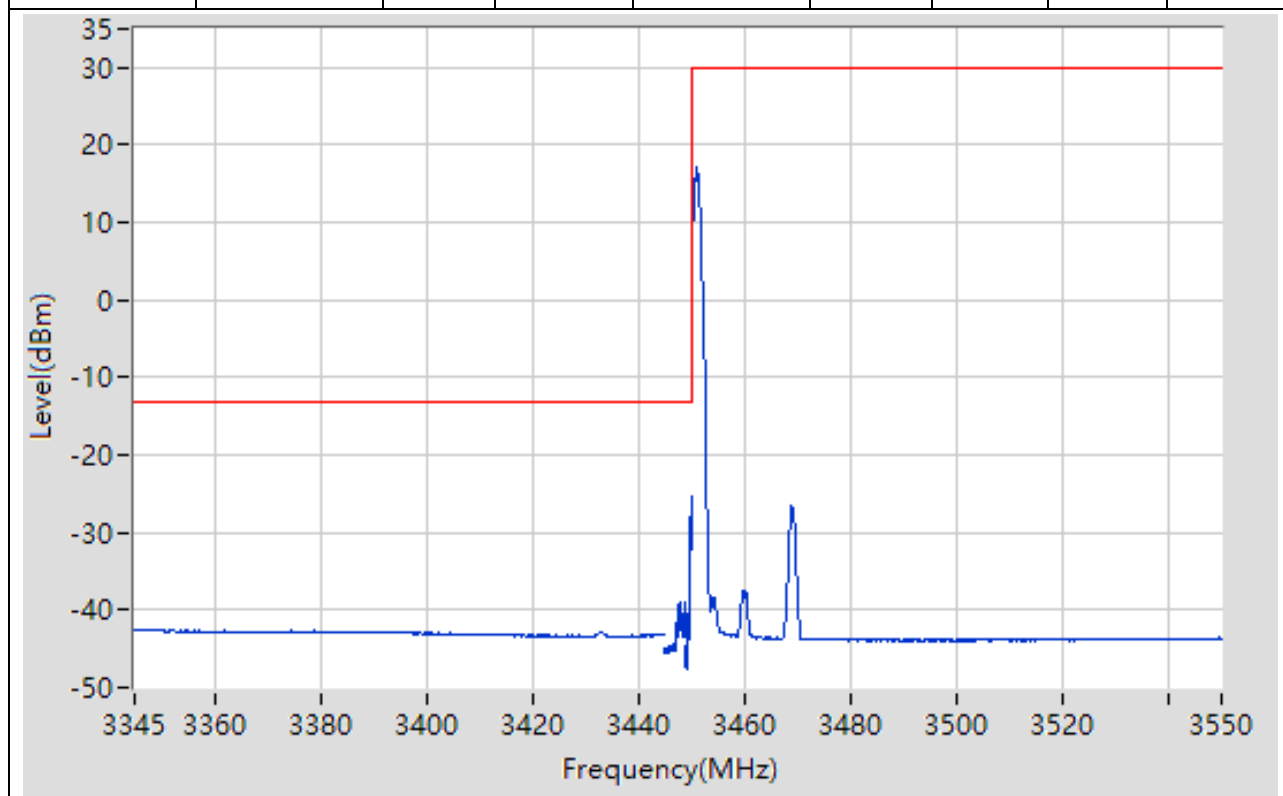
**56.2. Band Edge for SA(NTNV)(Subtest:2, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3444.333        | -27.3       | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.32         | -27.12      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.982        | -30.72      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3460            | 7.31        | 30          | Pass    | 601         |



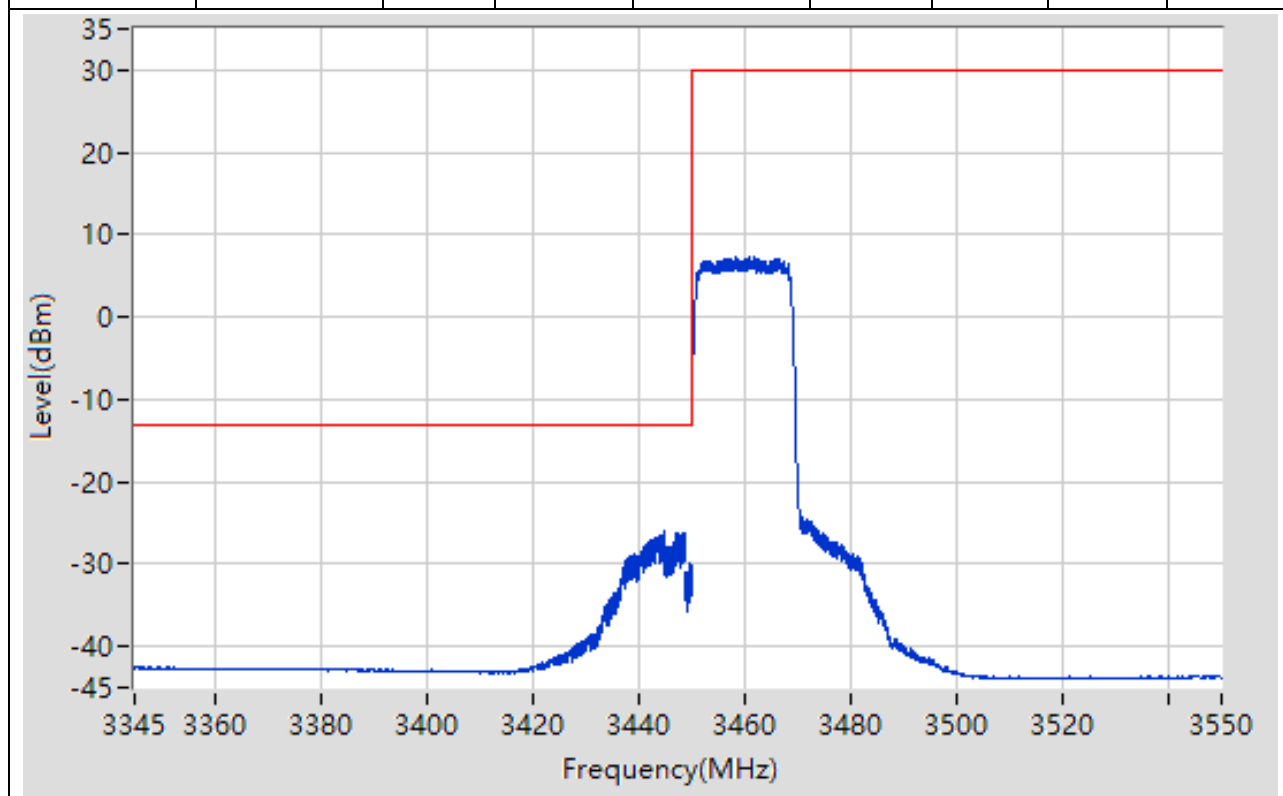
**56.3. Band Edge for SA(NTNV)(Subtest:3, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3345.167        | -42.57      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3449            | -38.92      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.993        | -25.35      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3450.833        | 17.14       | 30          | Pass    | 601         |



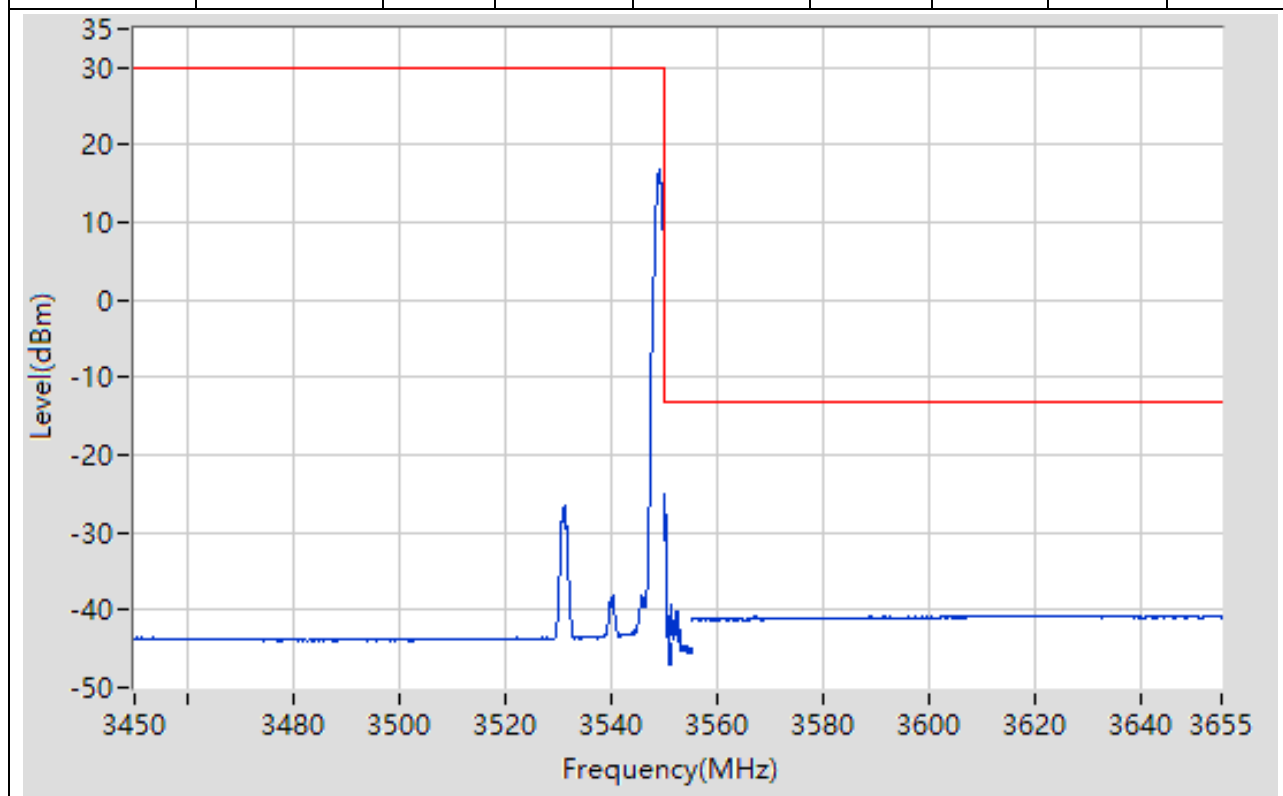
**56.4. Band Edge for SA(NTNV)(Subtest:4, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3445            | -26.02      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.827        | -26.22      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.817        | -29.92      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3461.167        | 7.23        | 30          | Pass    | 601         |



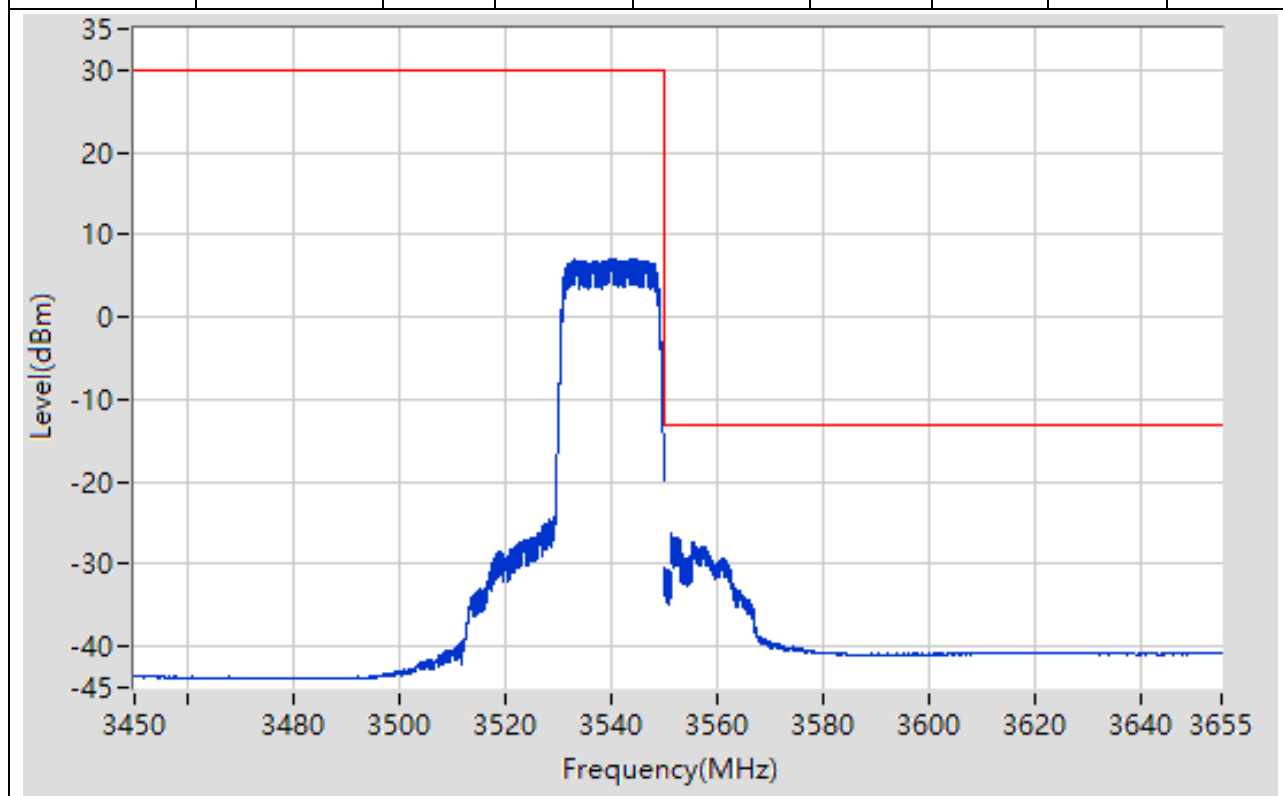
**56.5. Band Edge for SA(NTNV)(Subtest:5, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549.167        | 16.86       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.002        | -25.08      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.007        | -39.43      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3618.833        | -40.74      | -13         | Pass    | 601         |



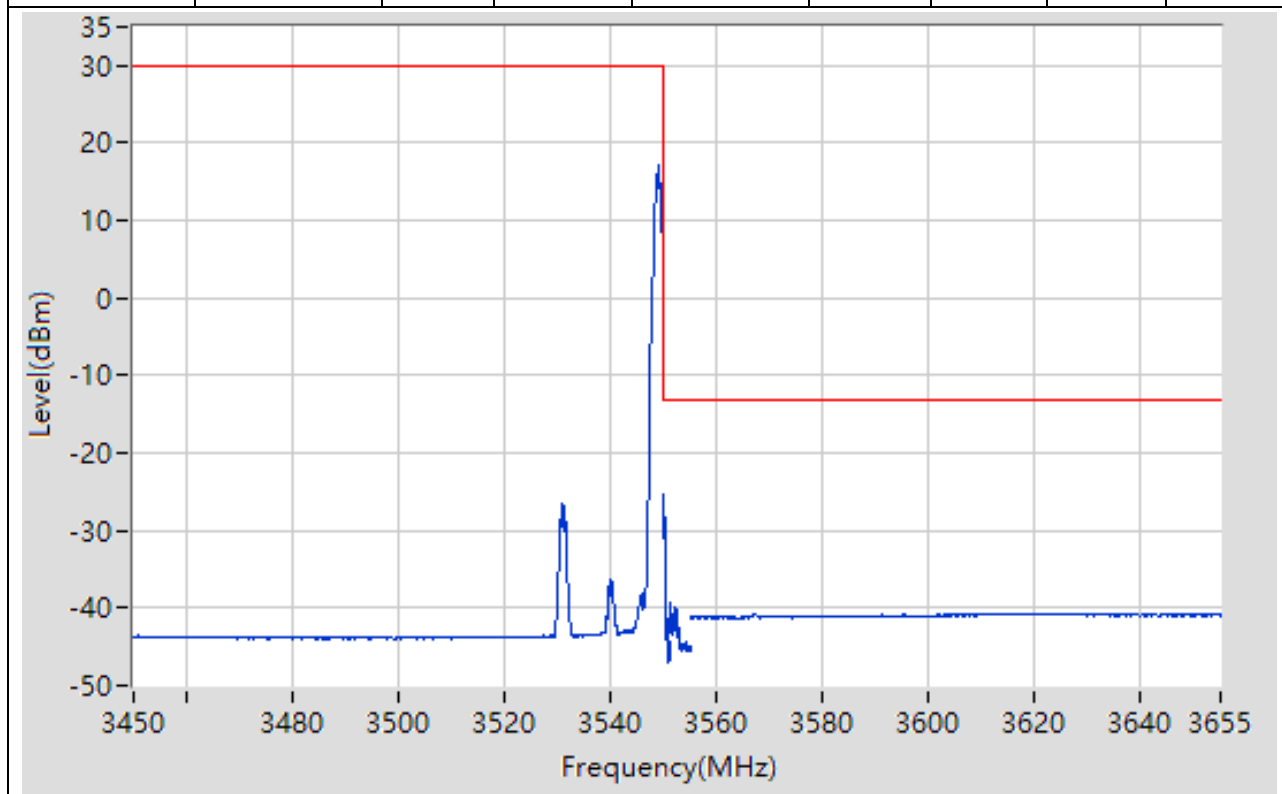
**56.6. Band Edge for SA(NTNV)(Subtest:6, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3539.833        | 7.13        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.007        | -30.43      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551            | -26.22      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.167        | -27.29      | -13         | Pass    | 601         |



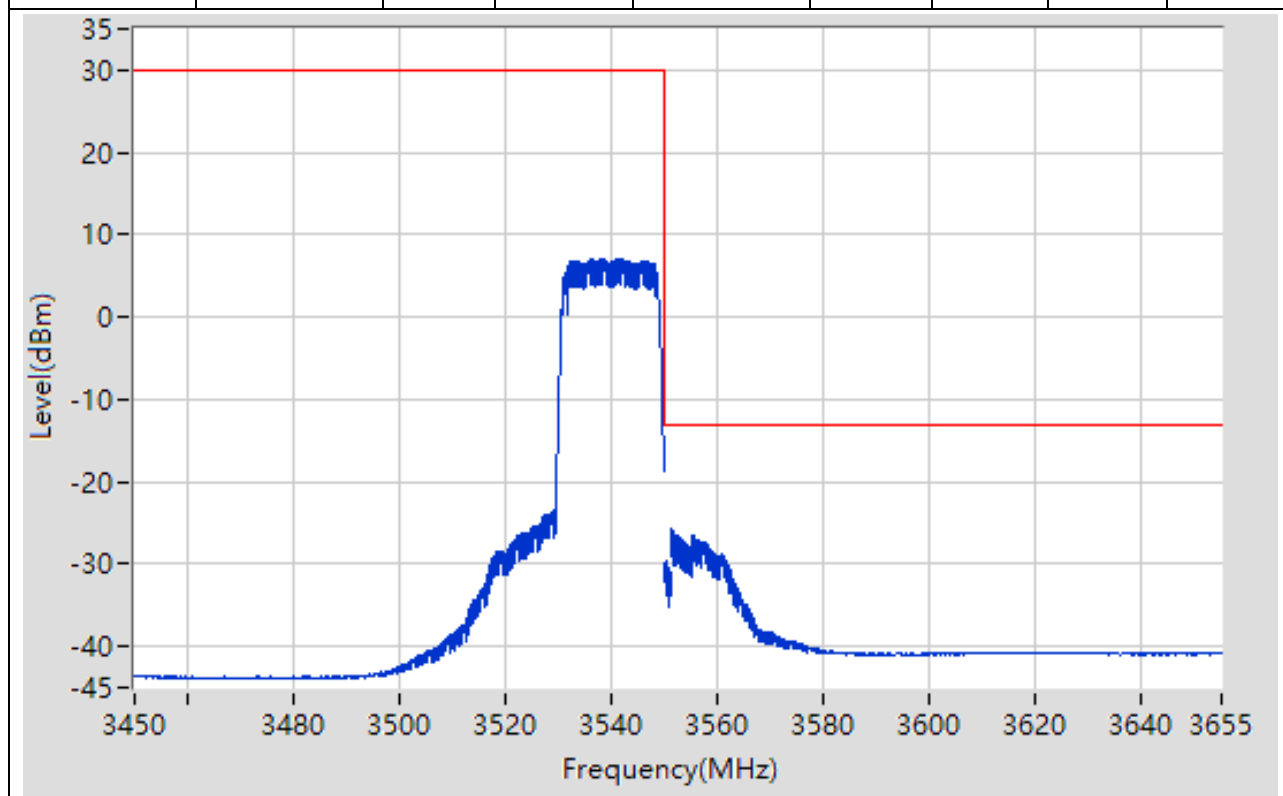
**56.7. Band Edge for SA(NTNV)(Subtest:7, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 17.22       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.002        | -25.4       | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.007        | -39.43      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3617.833        | -40.72      | -13         | Pass    | 601         |



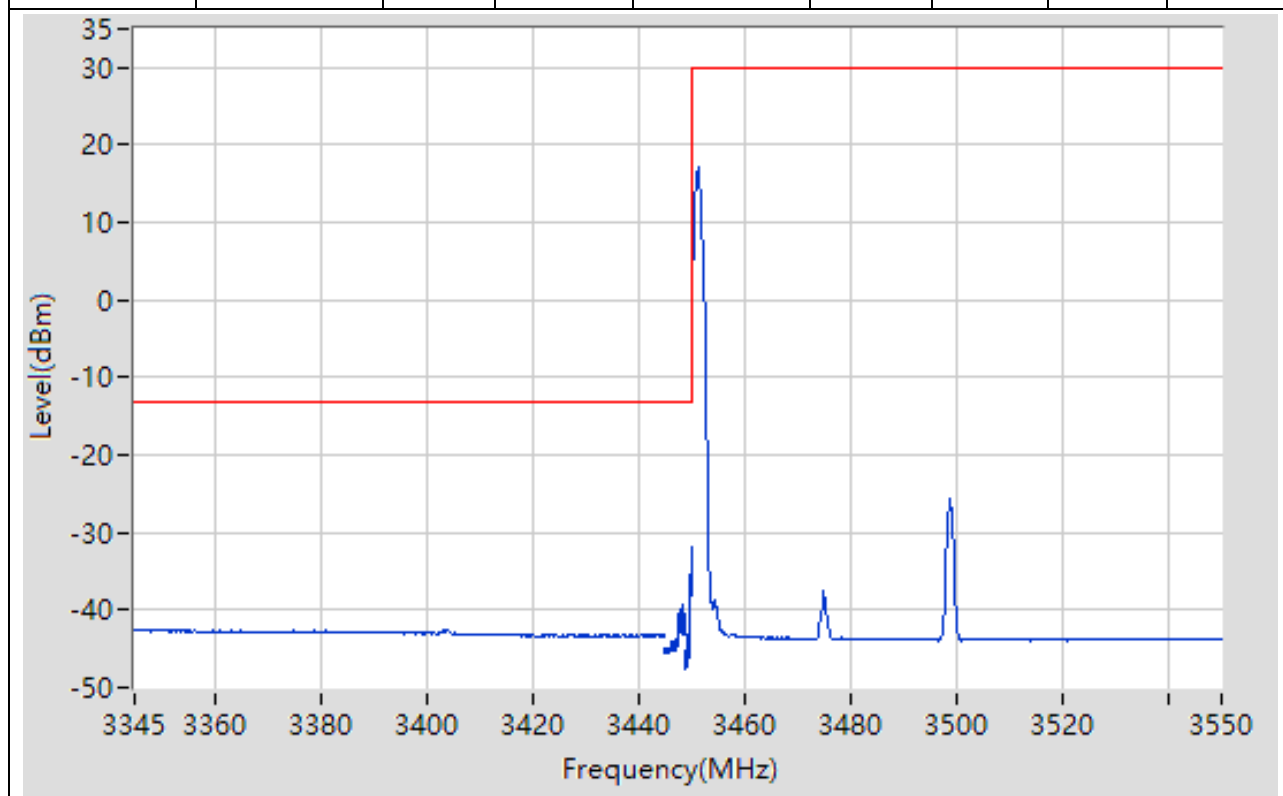
**56.8. Band Edge for SA(NTNV)(Subtest:8, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3541.5          | 7.12        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.125        | -29.6       | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.347        | -25.66      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.167        | -26.54      | -13         | Pass    | 601         |



**56.9. Band Edge for SA(NTNV)(Subtest:1, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

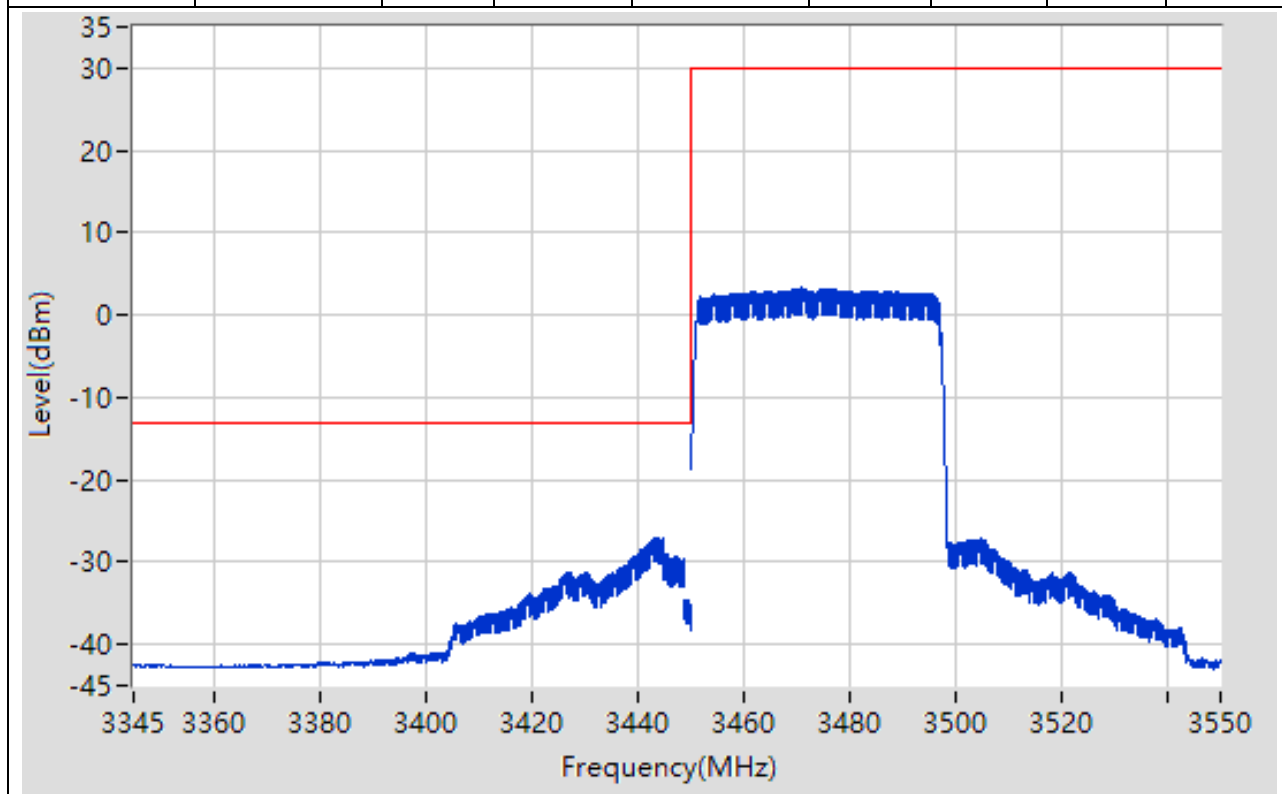
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3403.667        | -42.54      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.533        | -39.44      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.995        | -31.72      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.333        | 17.05       | 30          | Pass    | 601         |





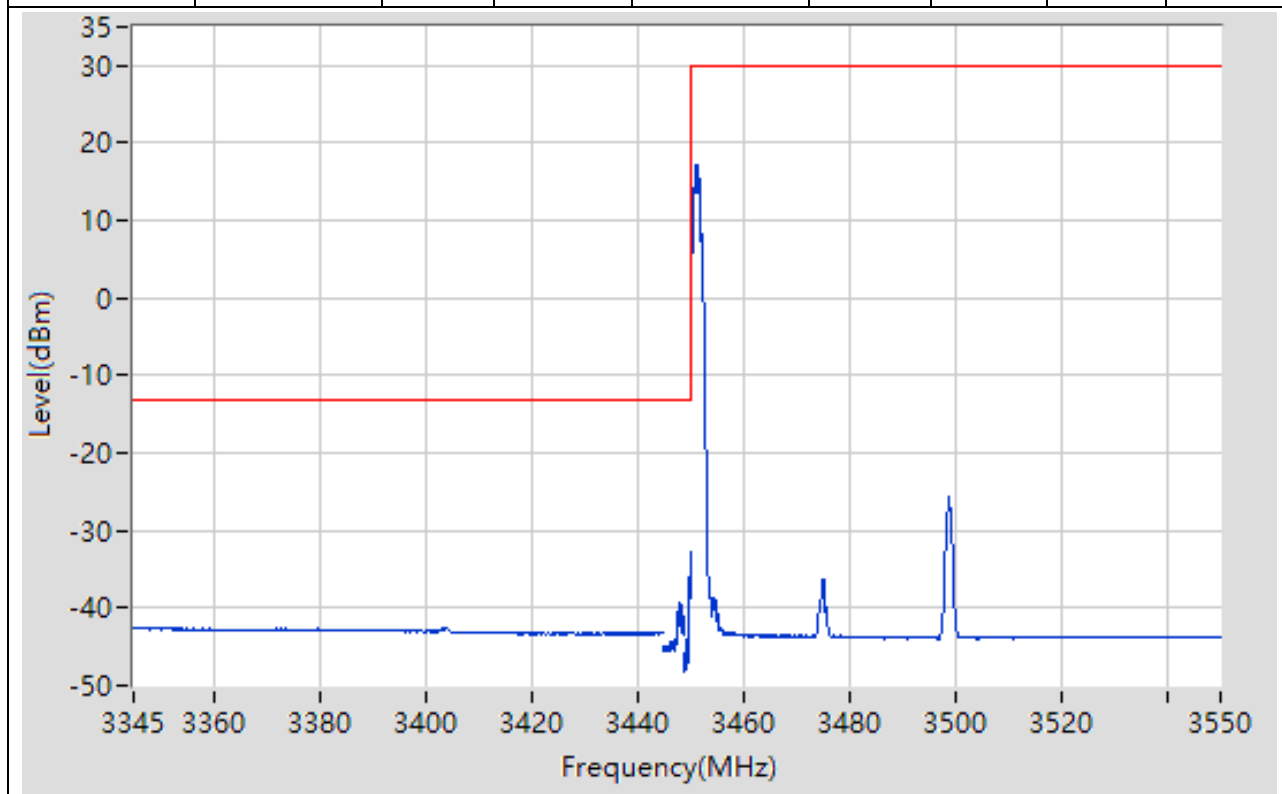
**56.10. Band Edge for SA(NTNV)(Subtest:2, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3443.167        | -27.02      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3445.267        | -29.06      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.652        | -34.66      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3471            | 3.26        | 30          | Pass    | 601         |



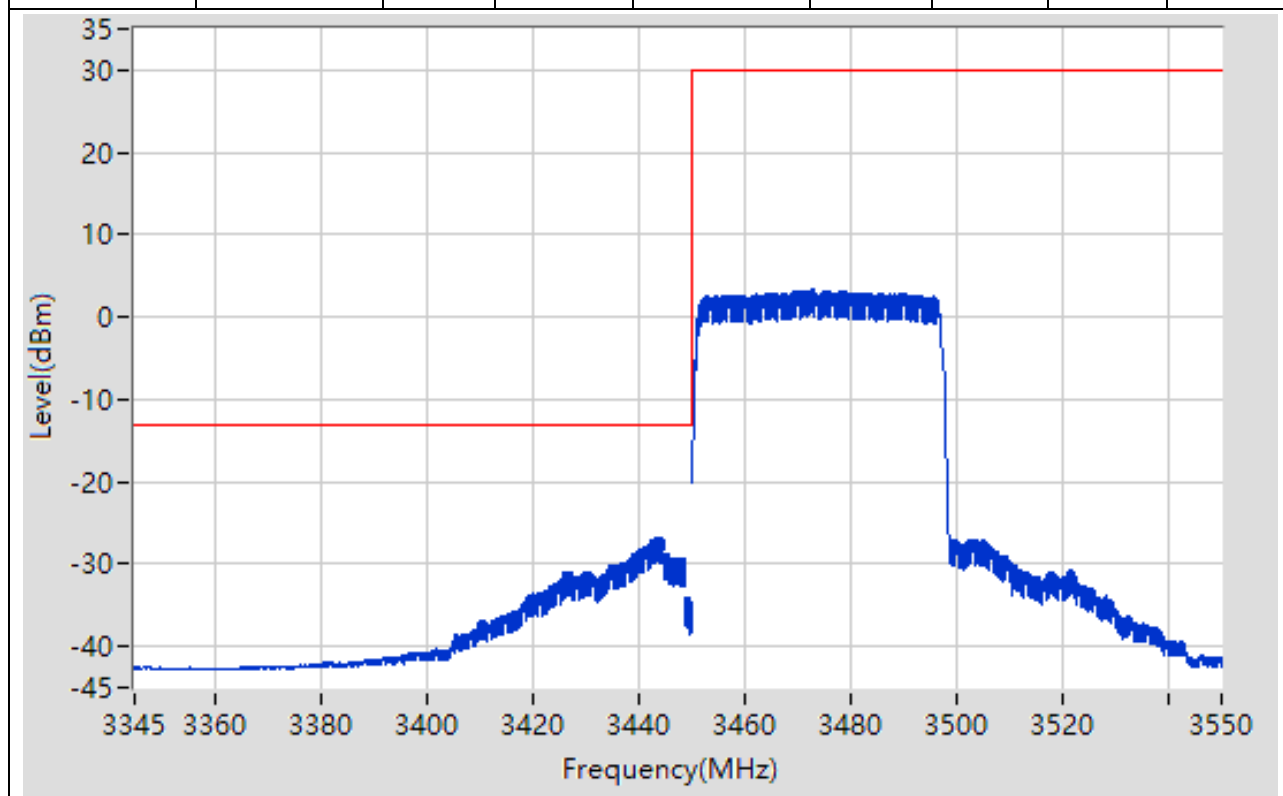
**56.11. Band Edge for SA(NTNV)(Subtest:3, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3403.667        | -42.44      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.013        | -39.35      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.998        | -32.64      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.167        | 17.06       | 30          | Pass    | 601         |



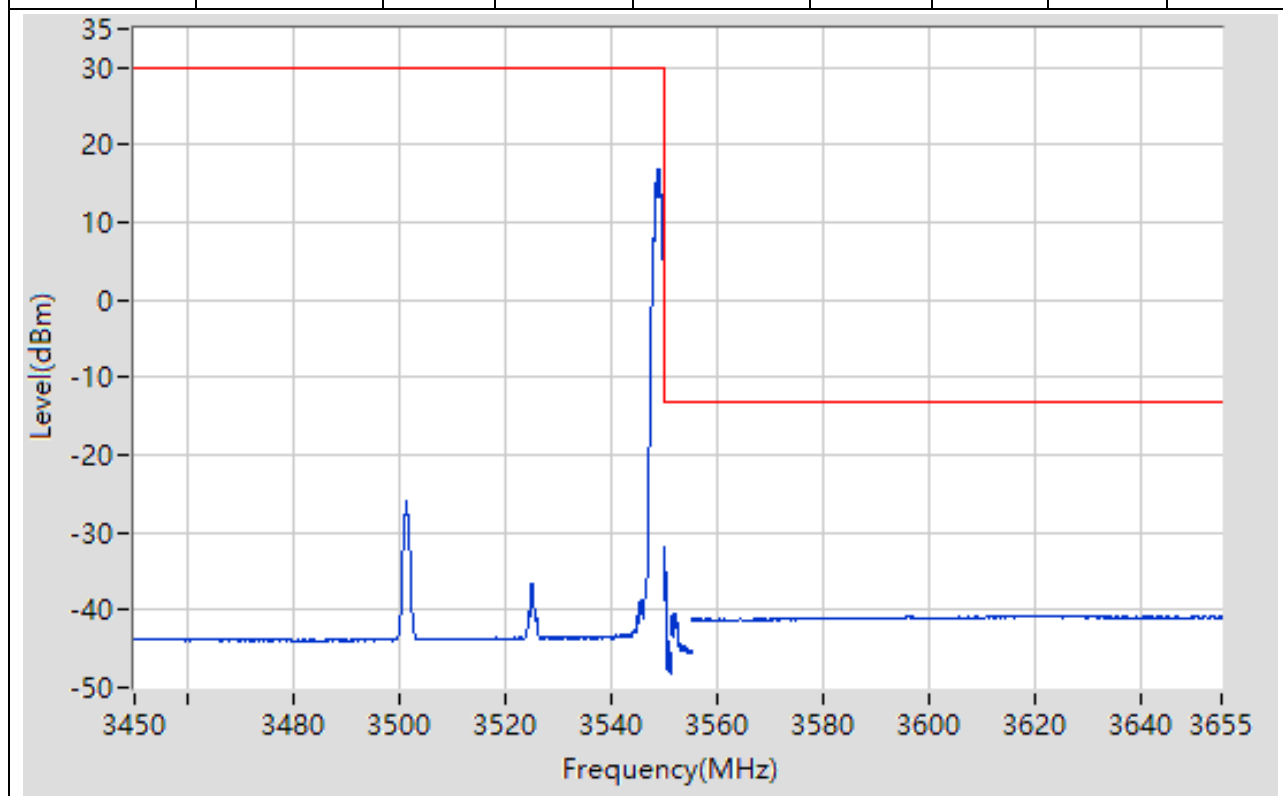
**56.12. Band Edge for SA(NTNV)(Subtest:4, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3443.5          | -26.71      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3445.36         | -28.75      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.352        | -33.96      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3472.667        | 3.42        | 30          | Pass    | 601         |



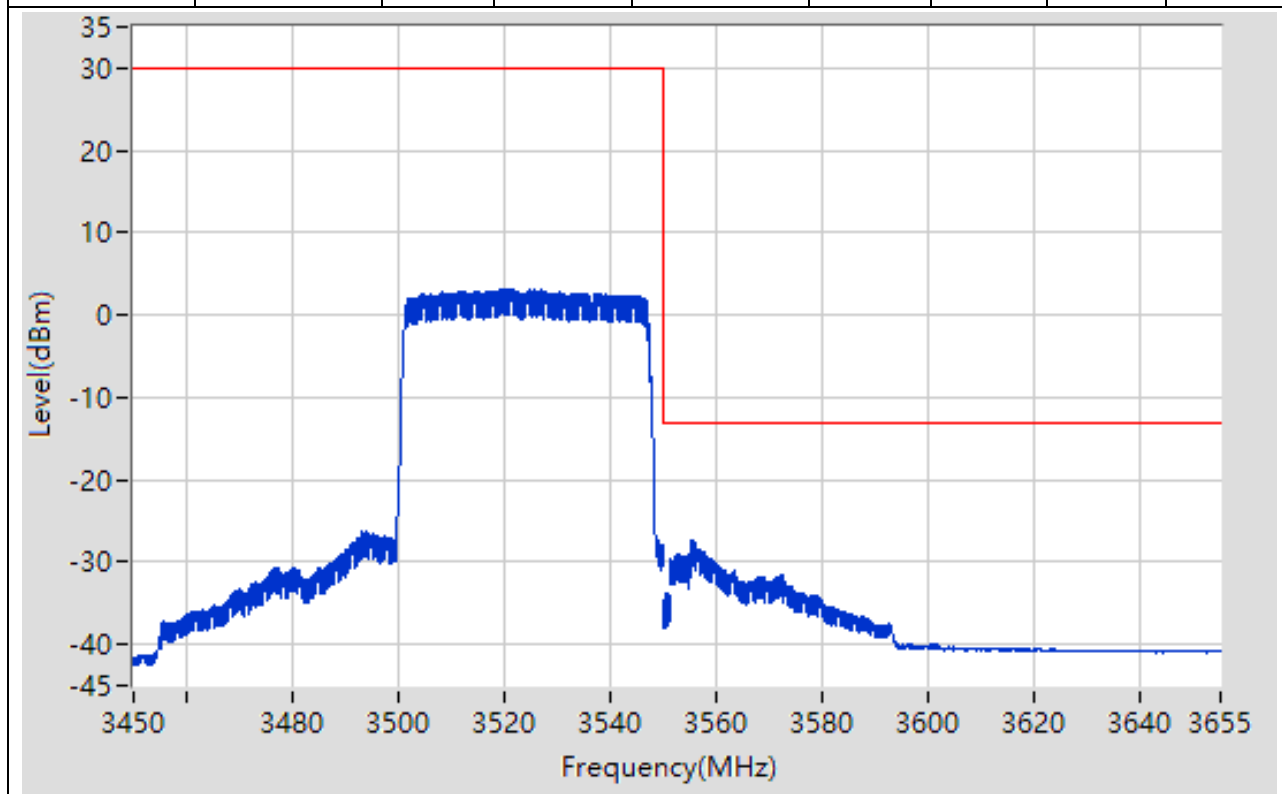
**56.13. Band Edge for SA(NTNV)(Subtest:5, Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3548.833        | 16.82       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550            | -31.75      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.66         | -40.38      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3596.333        | -40.74      | -13         | Pass    | 601         |



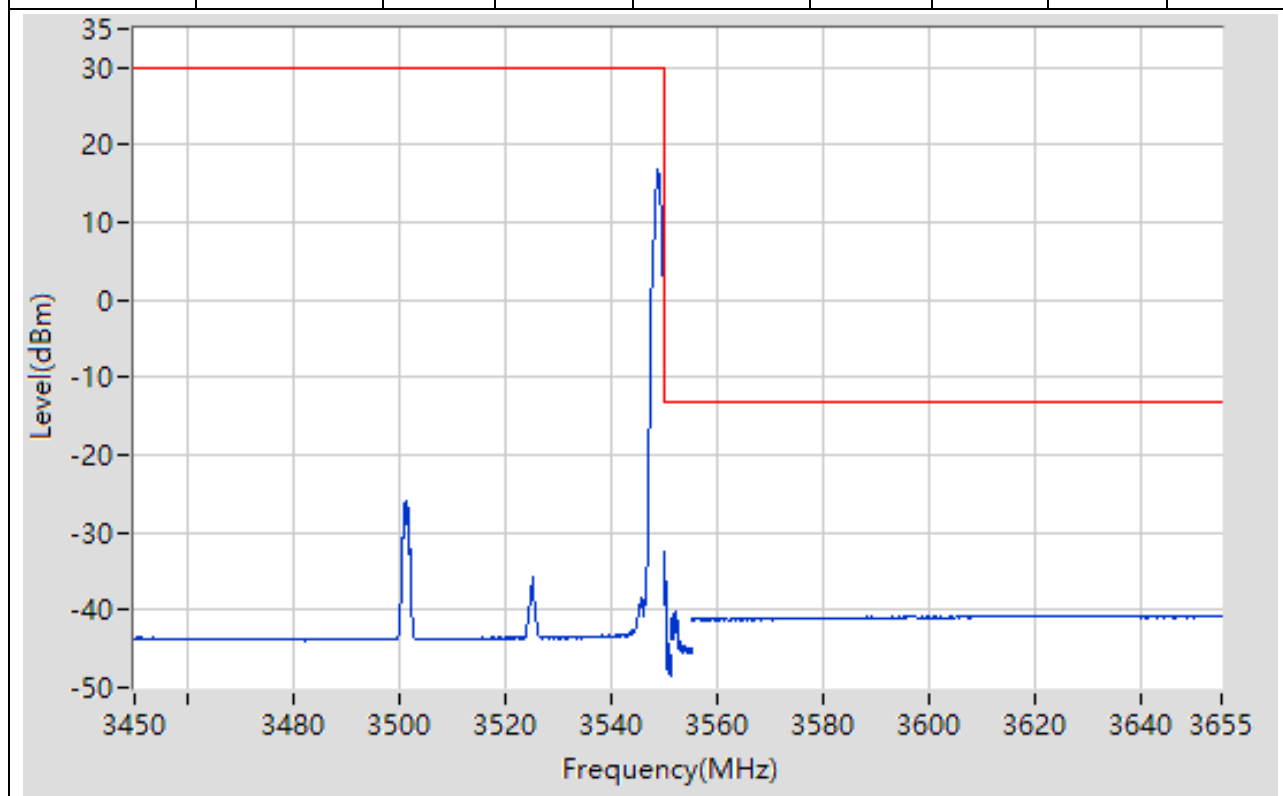
**56.14. Band Edge for SA(NTNV)(Subtest:6, Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3521.333        | 3.18        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.377        | -33.88      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3552.407        | -29.01      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555            | -27.4       | -13         | Pass    | 601         |



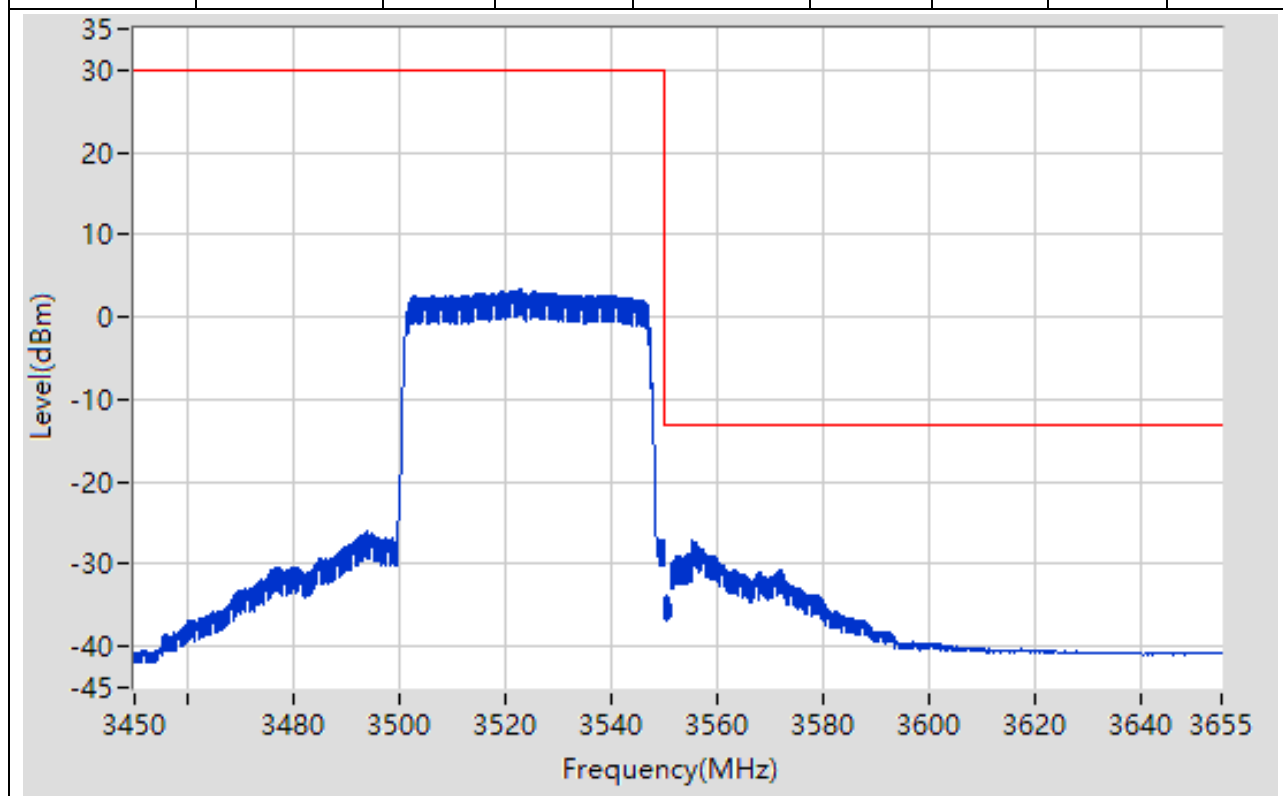
**56.15. Band Edge for SA(NTNV)(Subtest:7, Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3548.667        | 16.91       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550            | -32.46      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.887        | -40.14      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3596.5          | -40.67      | -13         | Pass    | 601         |



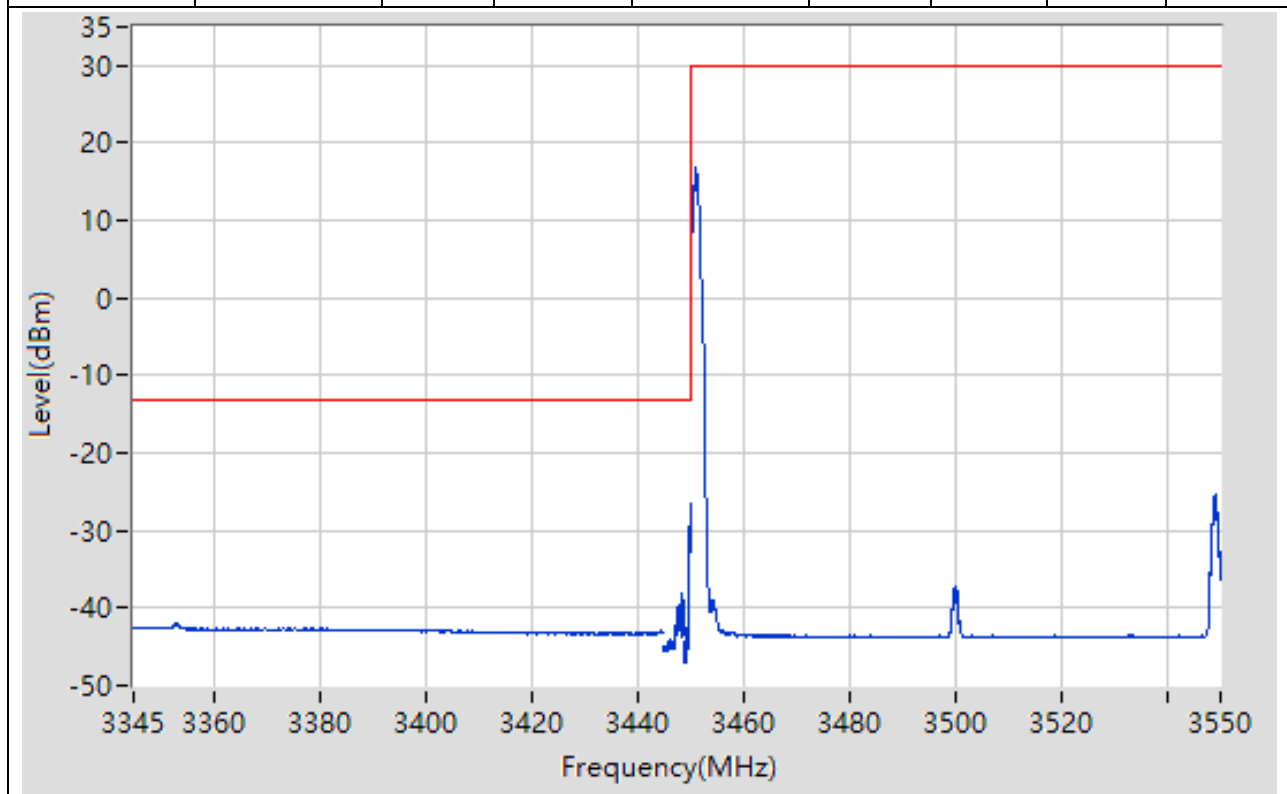
**56.16. Band Edge for SA(NTNV)(Subtest:8, Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3522.667        | 3.35        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.432        | -33.74      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3554.607        | -28.82      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.167        | -27.16      | -13         | Pass    | 601         |



**56.17. Band Edge for SA(NTNV)(Subtest:1, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

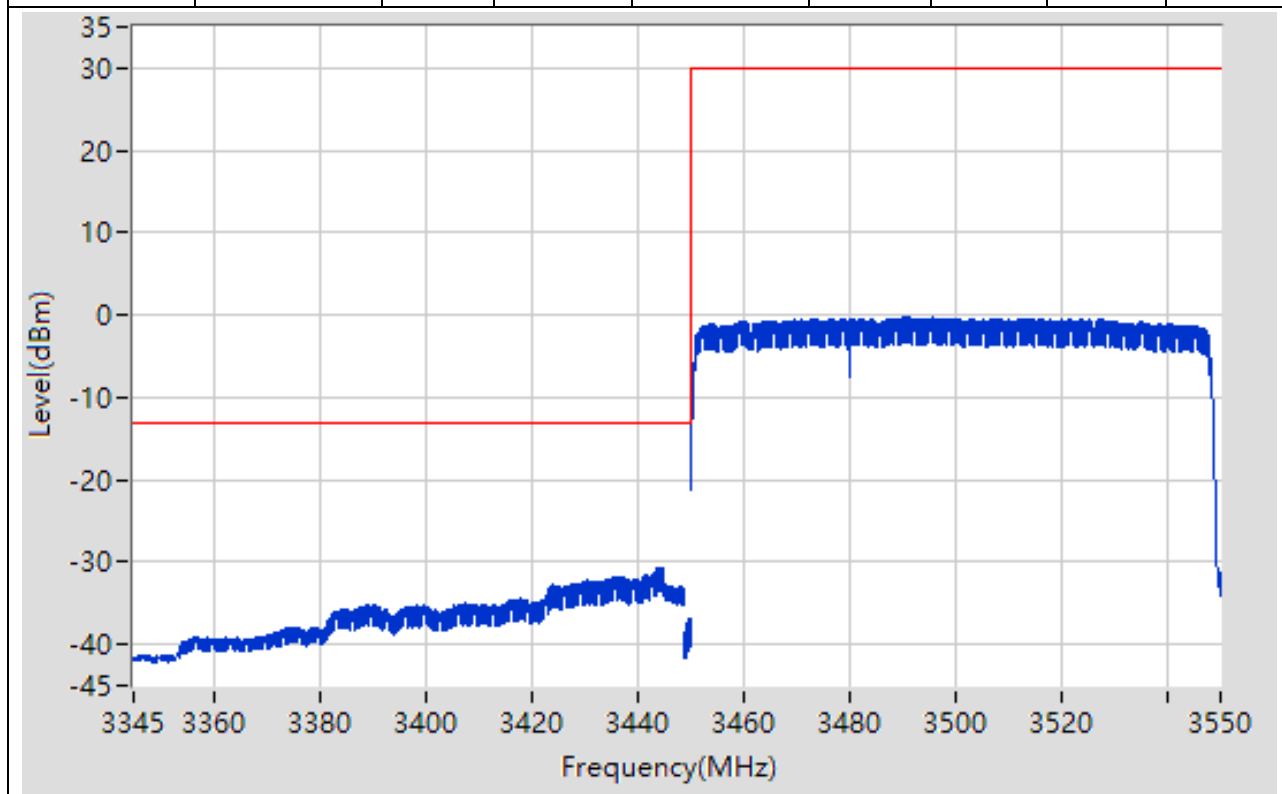
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3353            | -42.01      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.467        | -38.05      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.998        | -26.48      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3450.833        | 16.81       | 30          | Pass    | 601         |





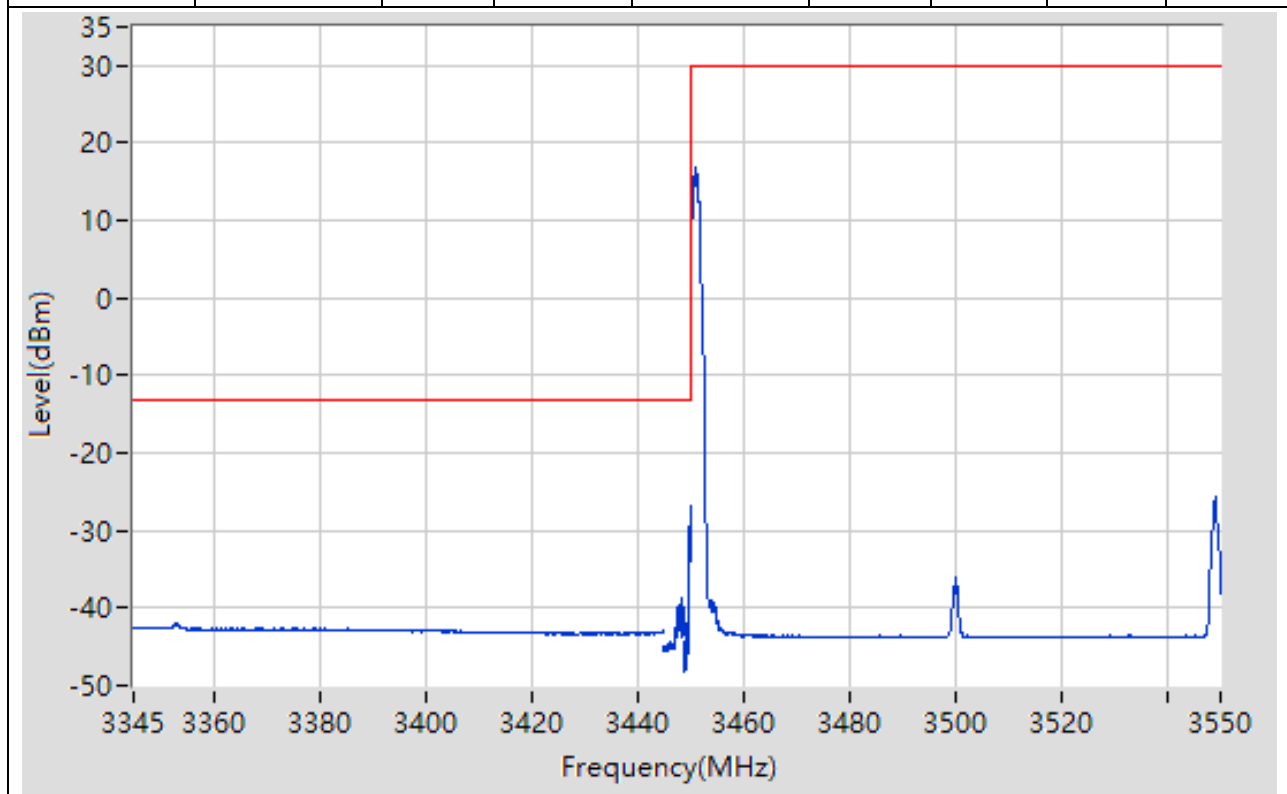
**56.18. Band Edge for SA(NTNV)(Subtest:2, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3444.667        | -30.67      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3445.06         | -32.59      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.927        | -36.82      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3491.167        | -0.24       | 30          | Pass    | 601         |



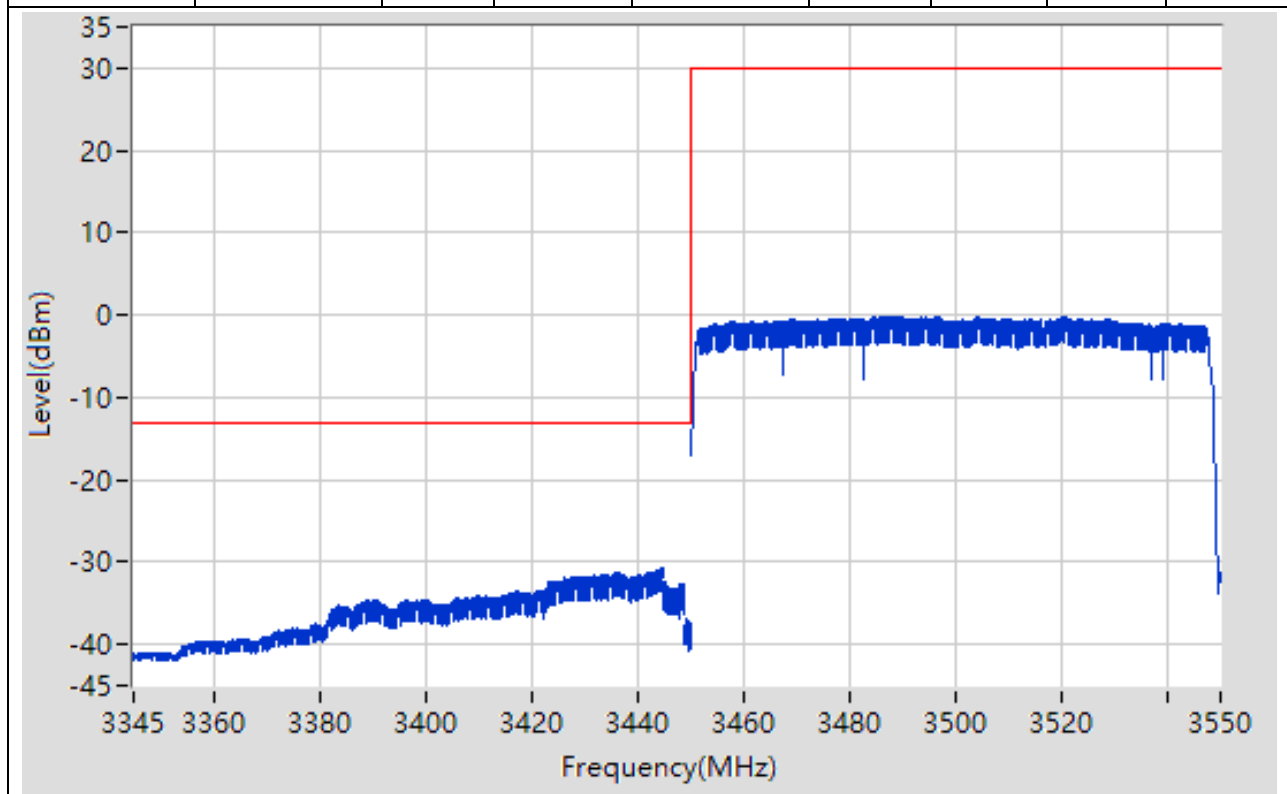
**56.19. Band Edge for SA(NTNV)(Subtest:3, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3353.333        | -42.02      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.433        | -38.7       | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.998        | -26.95      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.167        | 16.79       | 30          | Pass    | 601         |



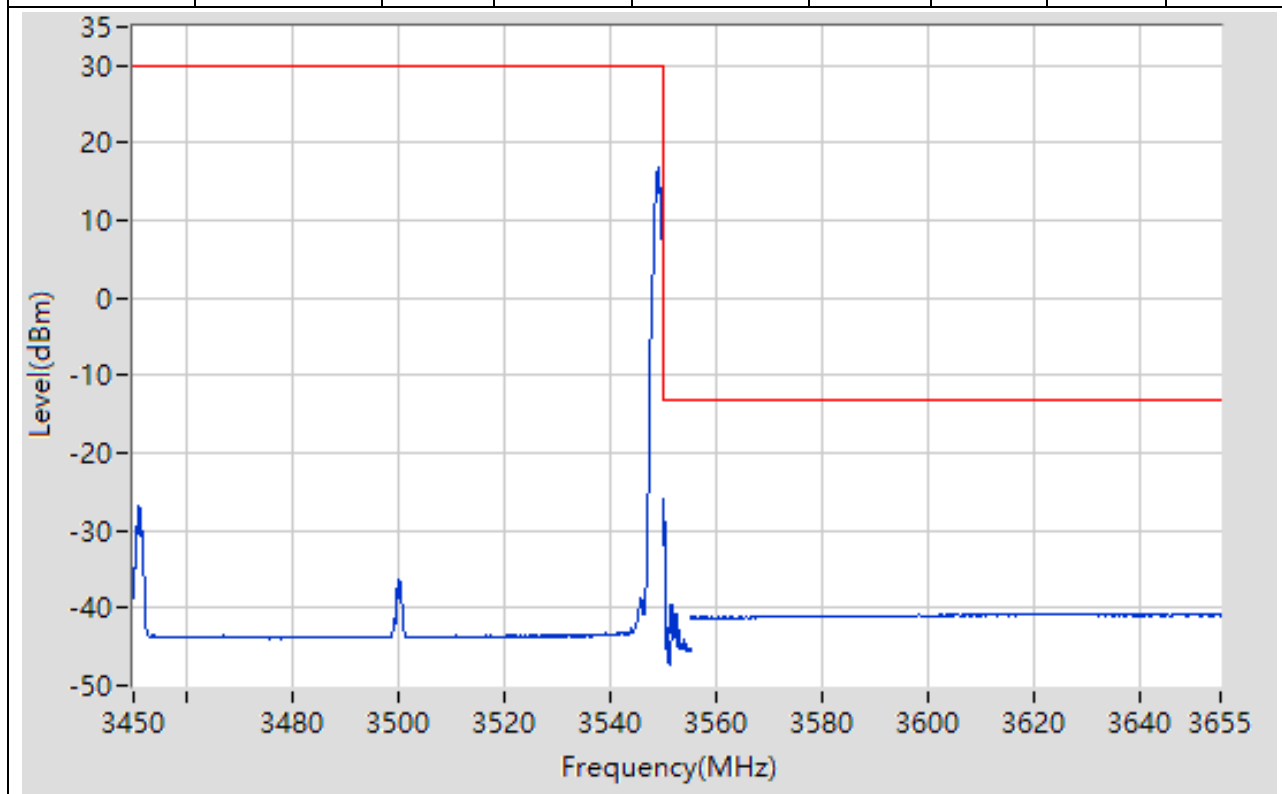
**56.20. Band Edge for SA(NTNV)(Subtest:4, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3444.833        | -30.66      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3445.02         | -32.45      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.372        | -36.93      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3520            | -0.16       | 30          | Pass    | 601         |



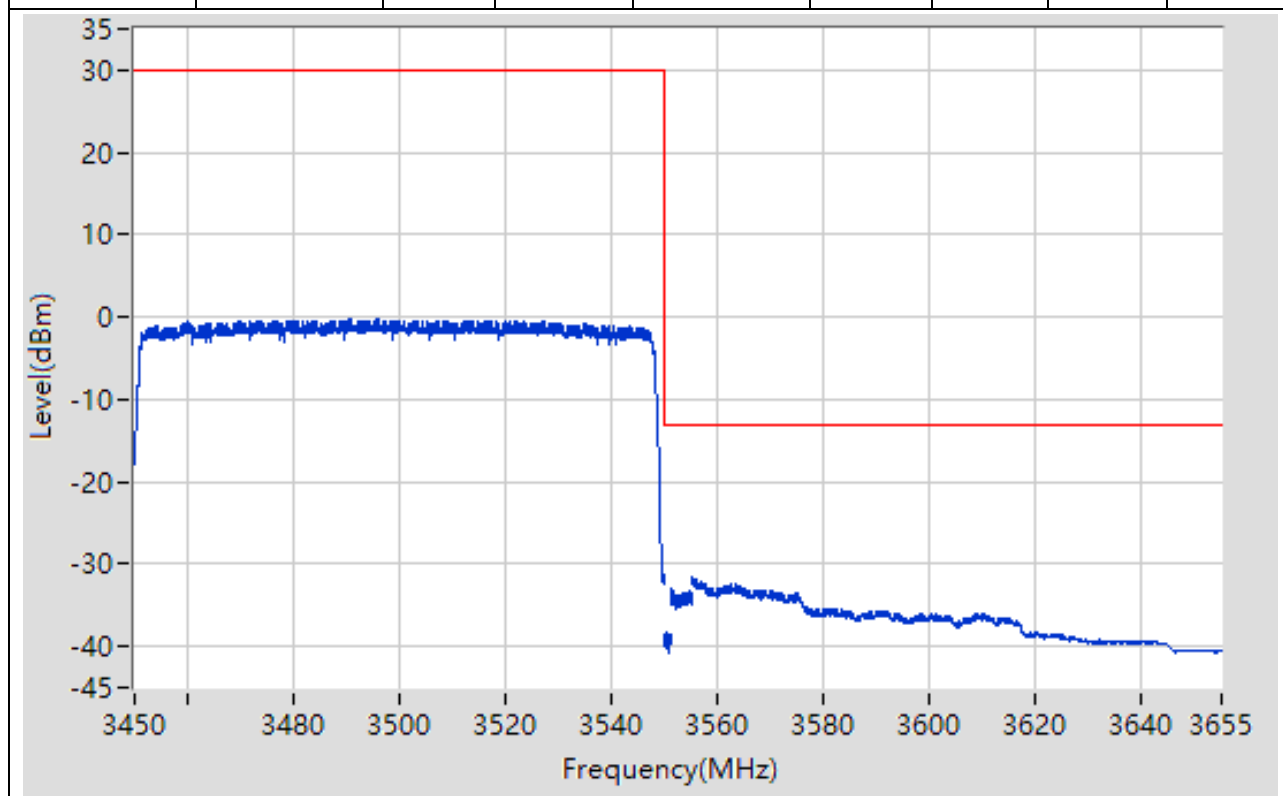
**56.21. Band Edge for SA(NTNV)(Subtest:5, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 16.85       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.003        | -25.91      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.56         | -39.61      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3617.5          | -40.73      | -13         | Pass    | 601         |



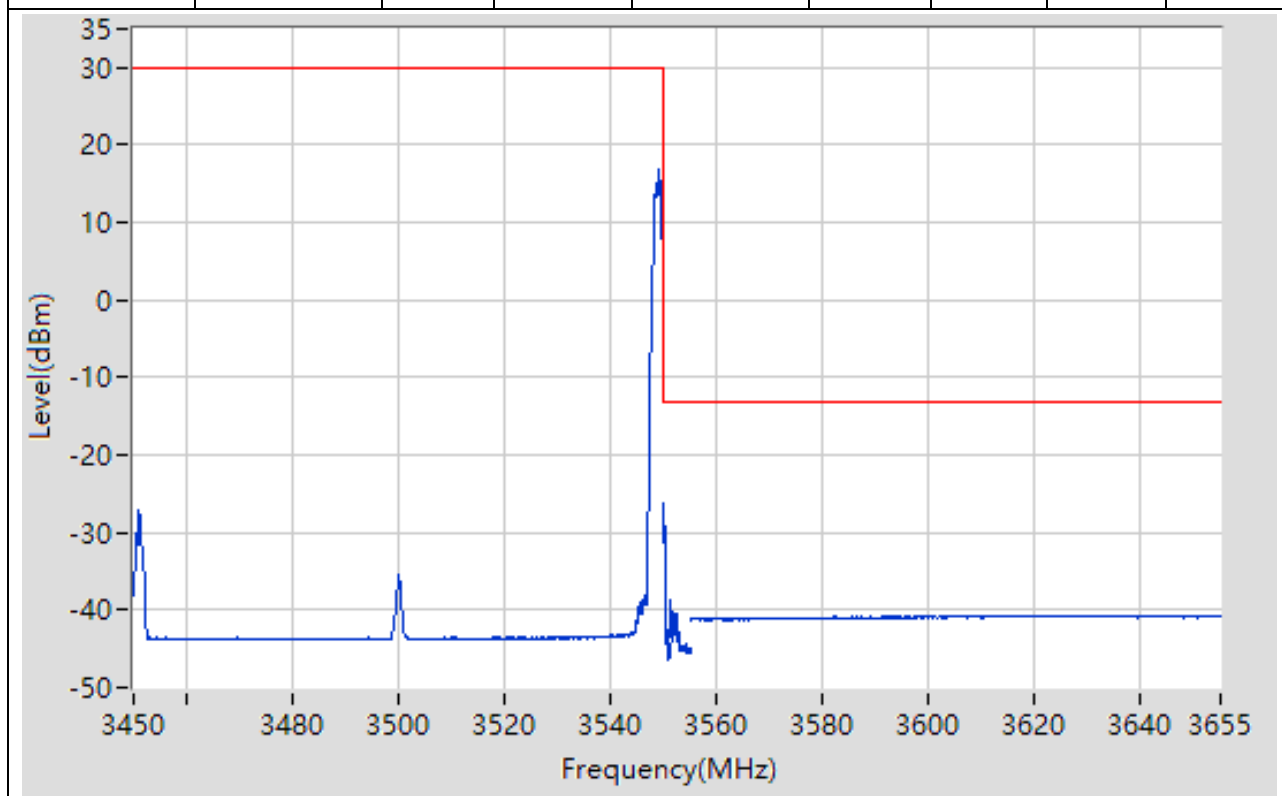
**56.22. Band Edge for SA(NTNV)(Subtest:6, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3491            | -0.25       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.233        | -38.16      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.407        | -33.09      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.167        | -31.69      | -13         | Pass    | 601         |



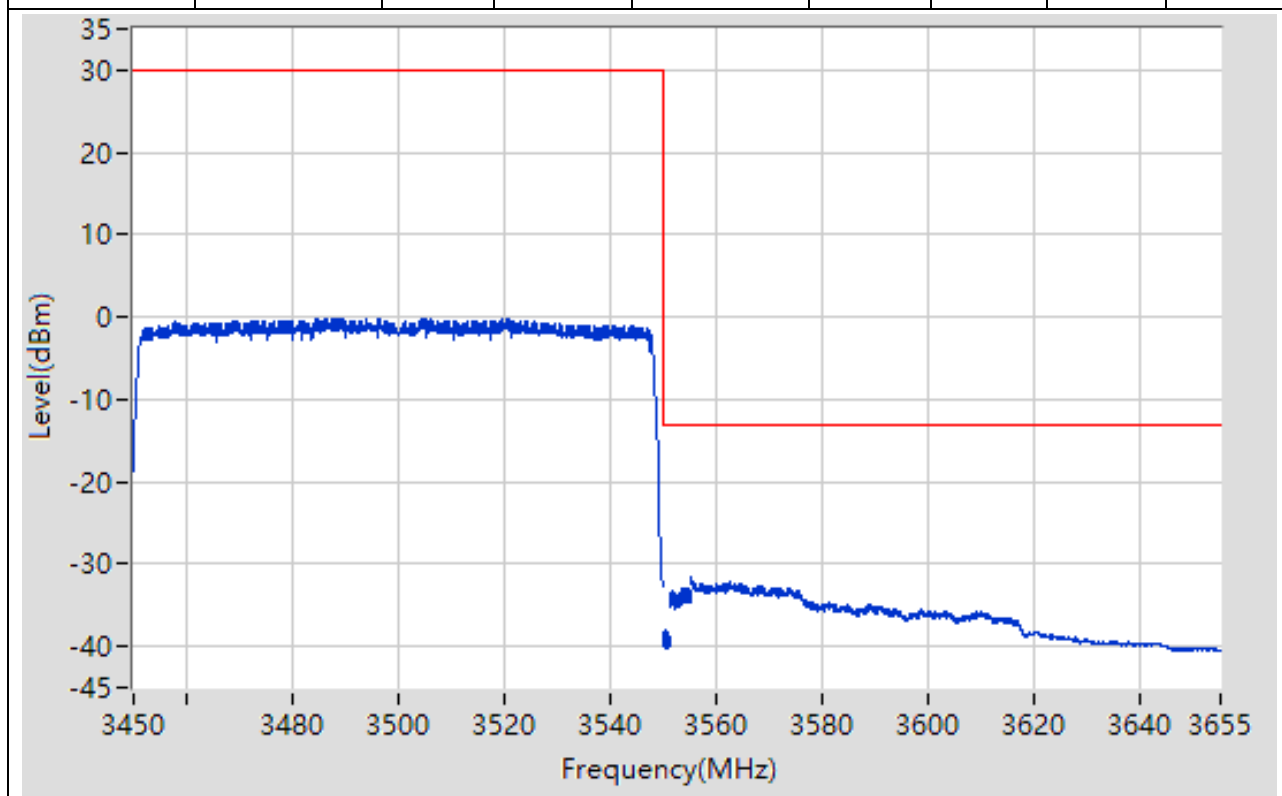
**56.23. Band Edge for SA(NTNV)(Subtest:7, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 16.82       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.002        | -26.28      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.133        | -38.79      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3621.667        | -40.69      | -13         | Pass    | 601         |



**56.24. Band Edge for SA(NTNV)(Subtest:8, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

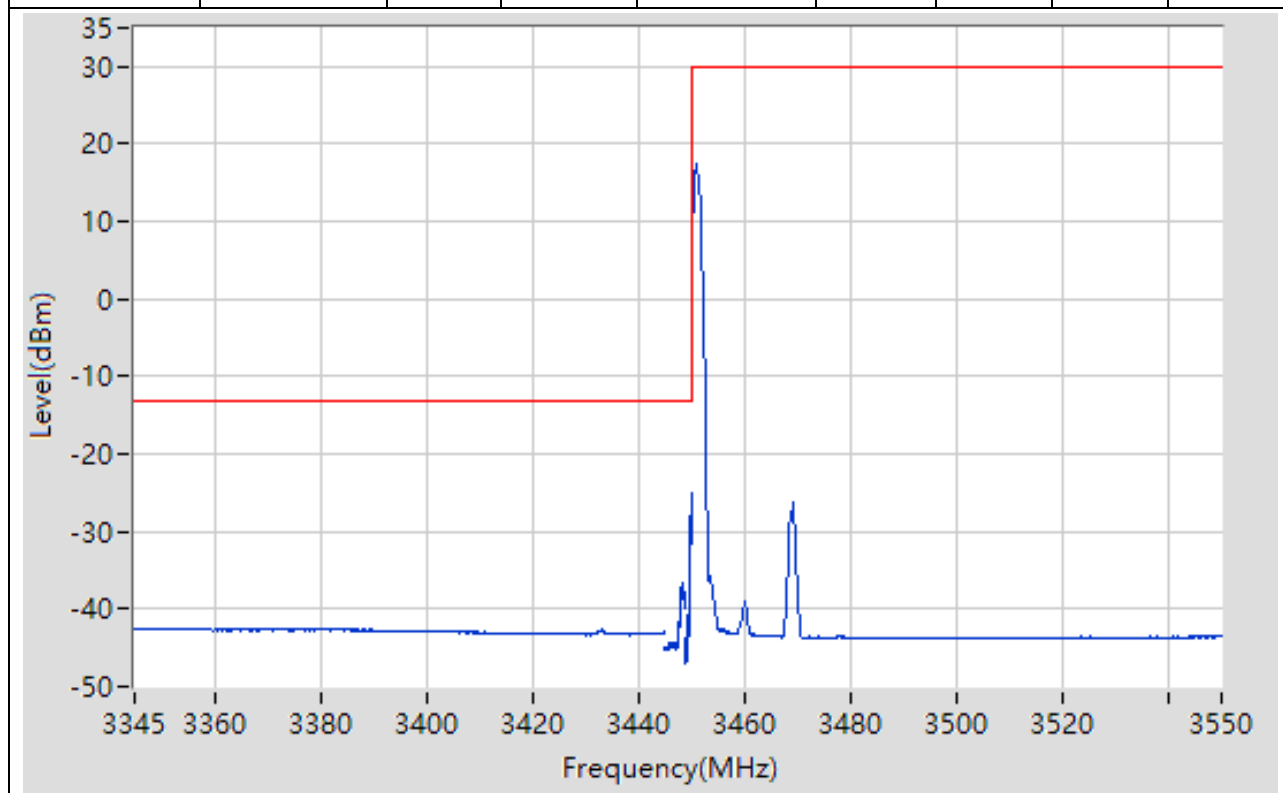
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3486.667        | -0.16       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.19         | -38.06      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3554.28         | -32.92      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.167        | -31.63      | -13         | Pass    | 601         |



## 57. n78 30kHz(3450-3550MHz)\_MIMO-ANT4

57.1. Band Edge for SA(NTNV)(Subtest:1, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)

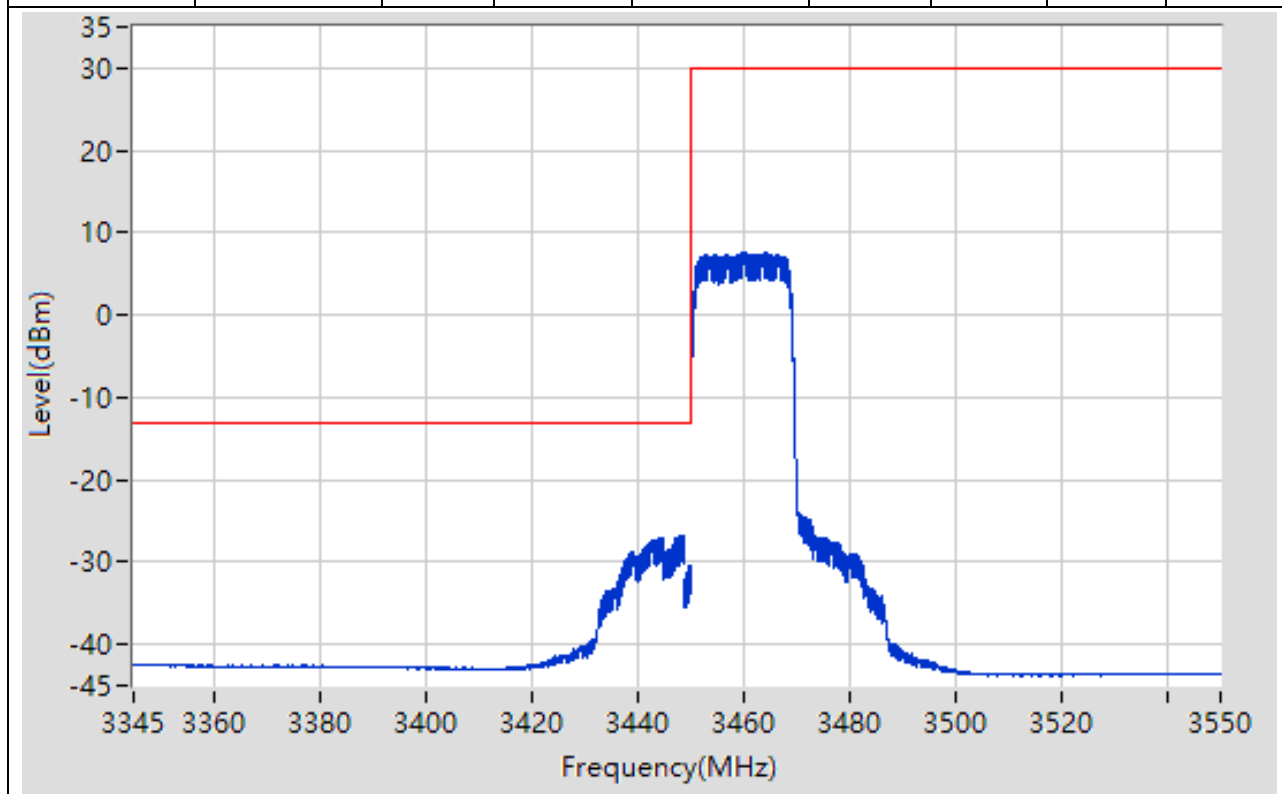
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3348.833        | -42.43      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.26         | -36.62      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3450            | -25.03      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.167        | 17.55       | 30          | Pass    | 601         |





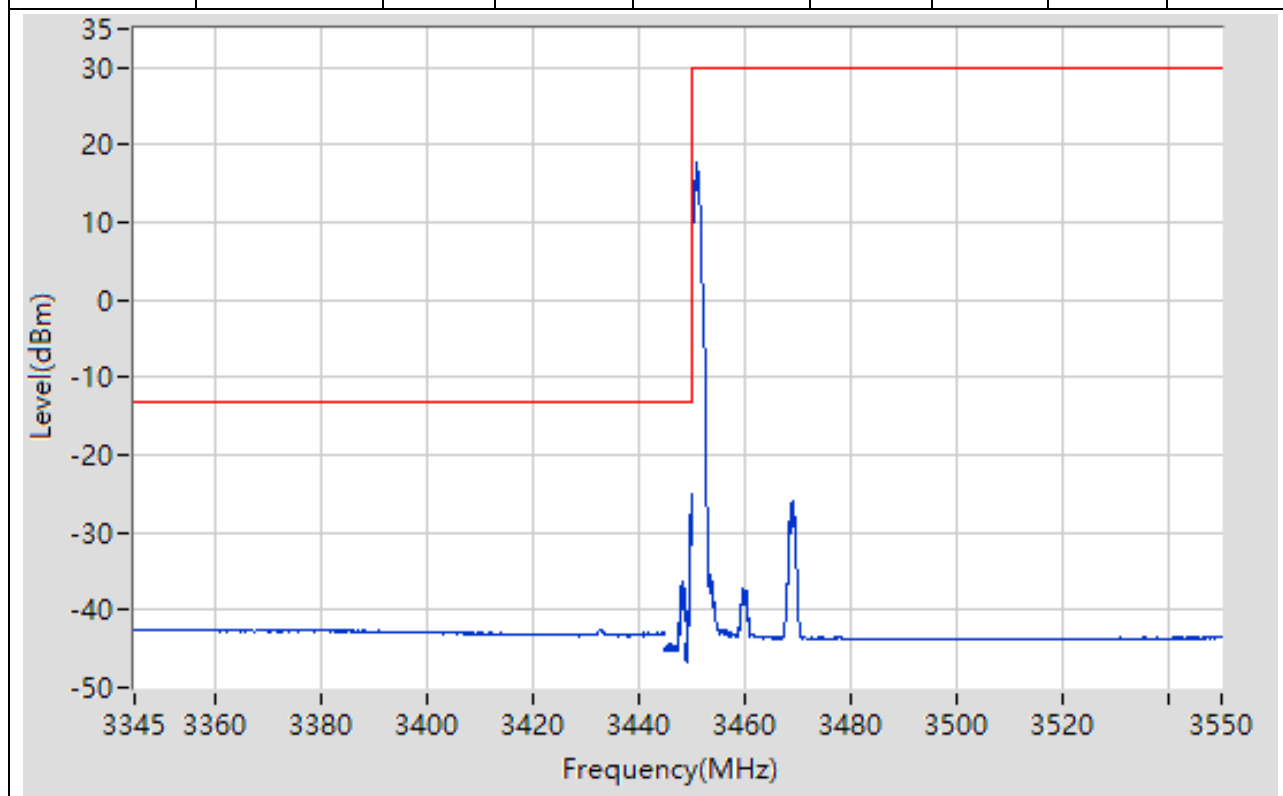
**57.2. Band Edge for SA(NTNV)(Subtest:2, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3444.333        | -27.02      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.527        | -26.71      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.995        | -30.36      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3460.5          | 7.59        | 30          | Pass    | 601         |



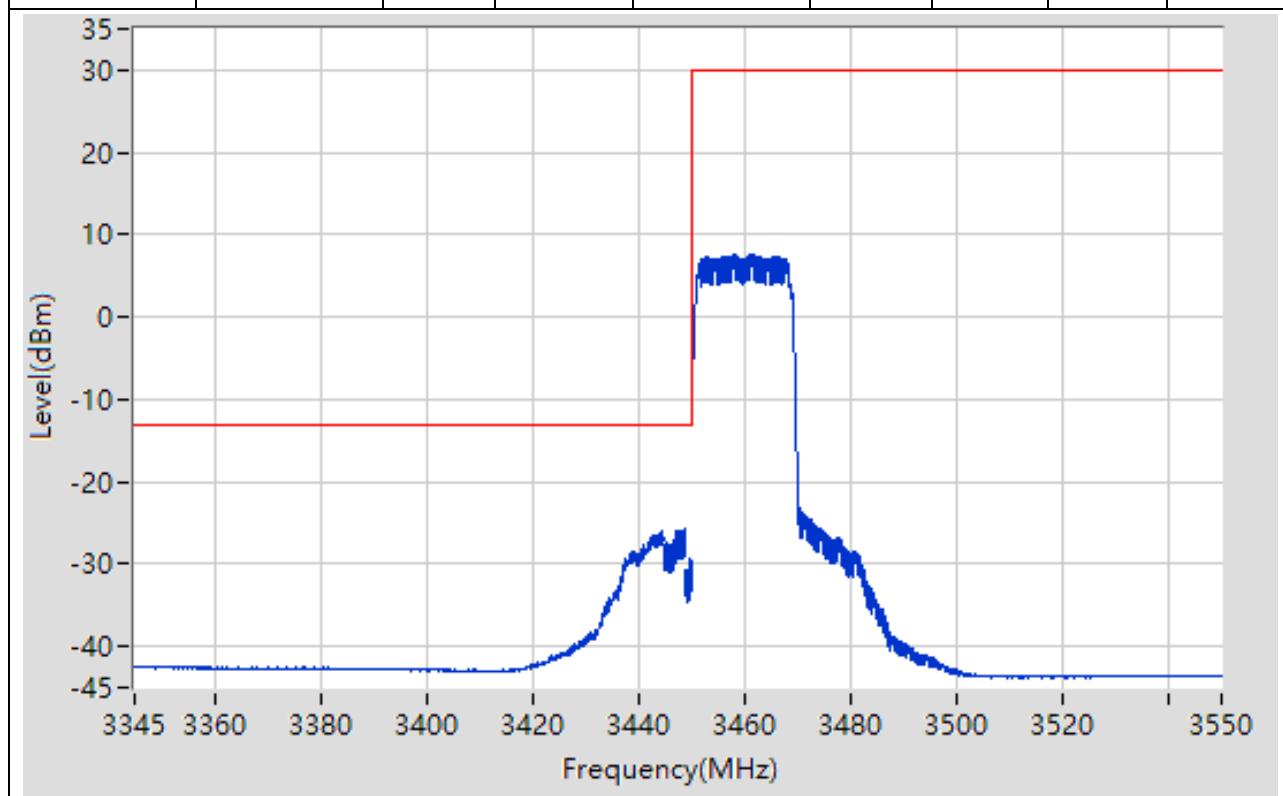
**57.3. Band Edge for SA(NTNV)(Subtest:3, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3348.333        | -42.45      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.327        | -36.33      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3450            | -24.92      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451            | 17.81       | 30          | Pass    | 601         |



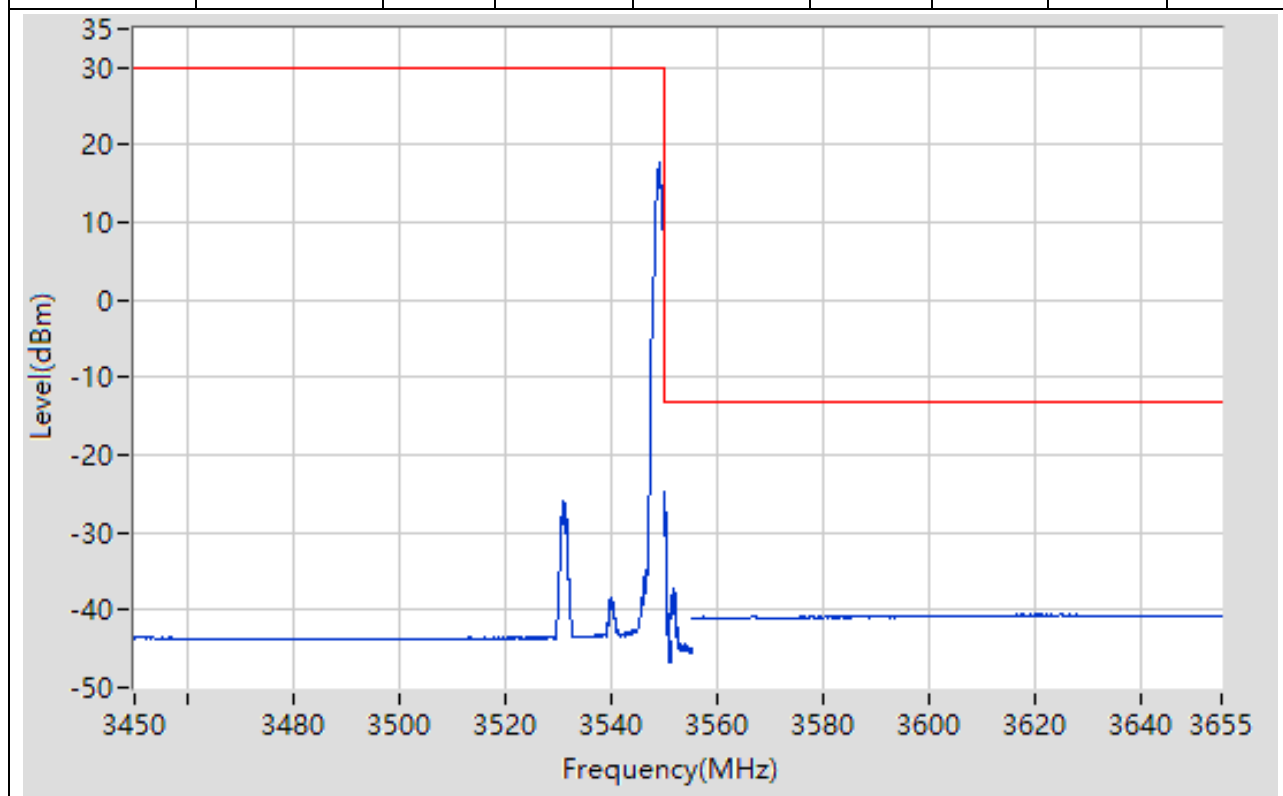
**57.4. Band Edge for SA(NTNV)(Subtest:4, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3444.667        | -26.09      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.92         | -25.82      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.848        | -29.48      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3461.333        | 7.6         | 30          | Pass    | 601         |



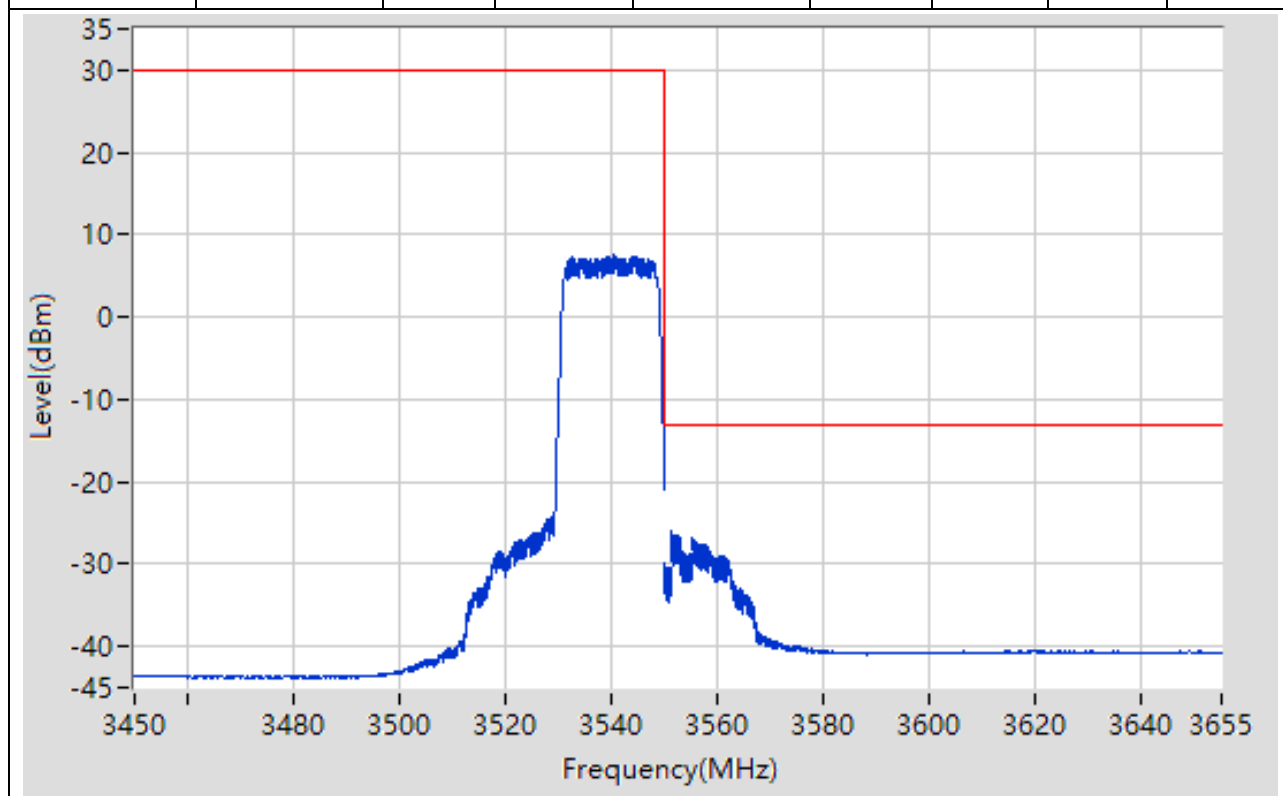
**57.5. Band Edge for SA(NTNV)(Subtest:5, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 17.67       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.003        | -24.61      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.64         | -37.21      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3620.667        | -40.56      | -13         | Pass    | 601         |



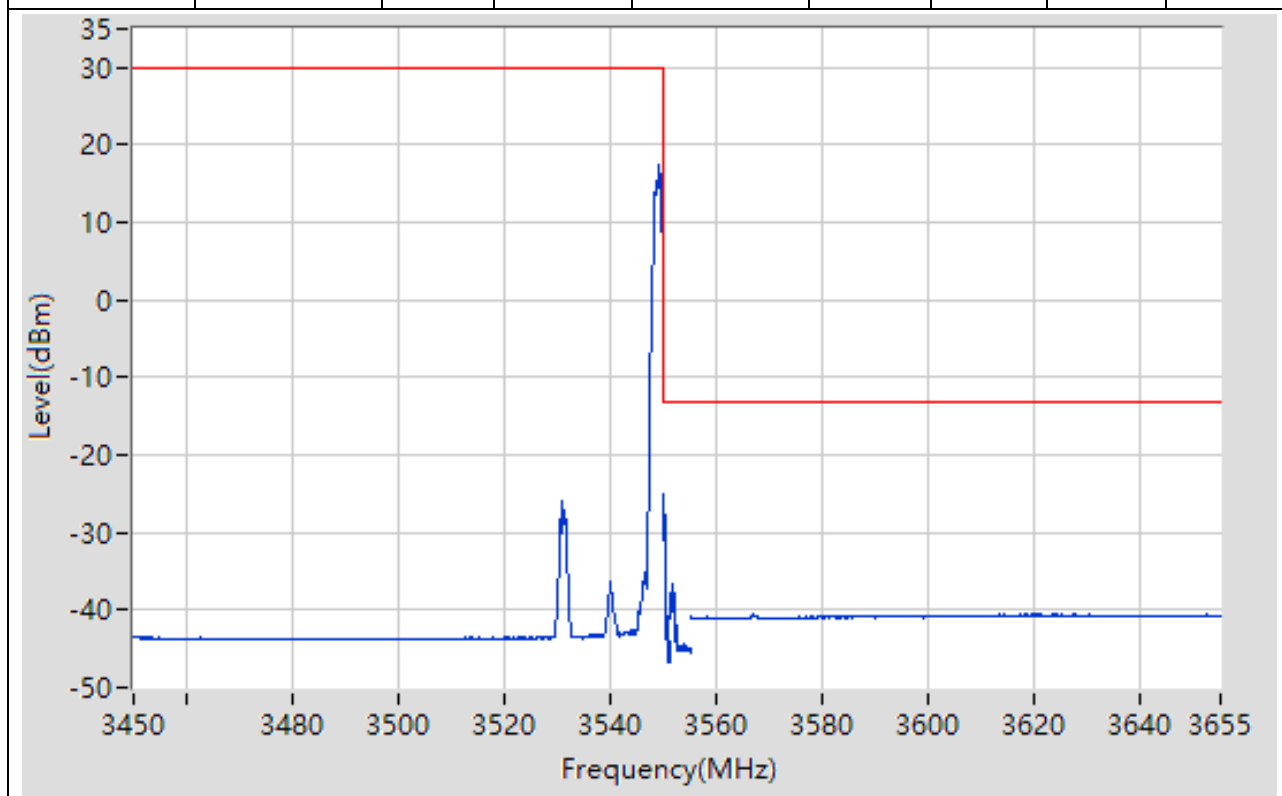
**57.6. Band Edge for SA(NTNV)(Subtest:6, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3540.167        | 7.48        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.002        | -29.83      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.04         | -25.97      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555            | -26.93      | -13         | Pass    | 601         |



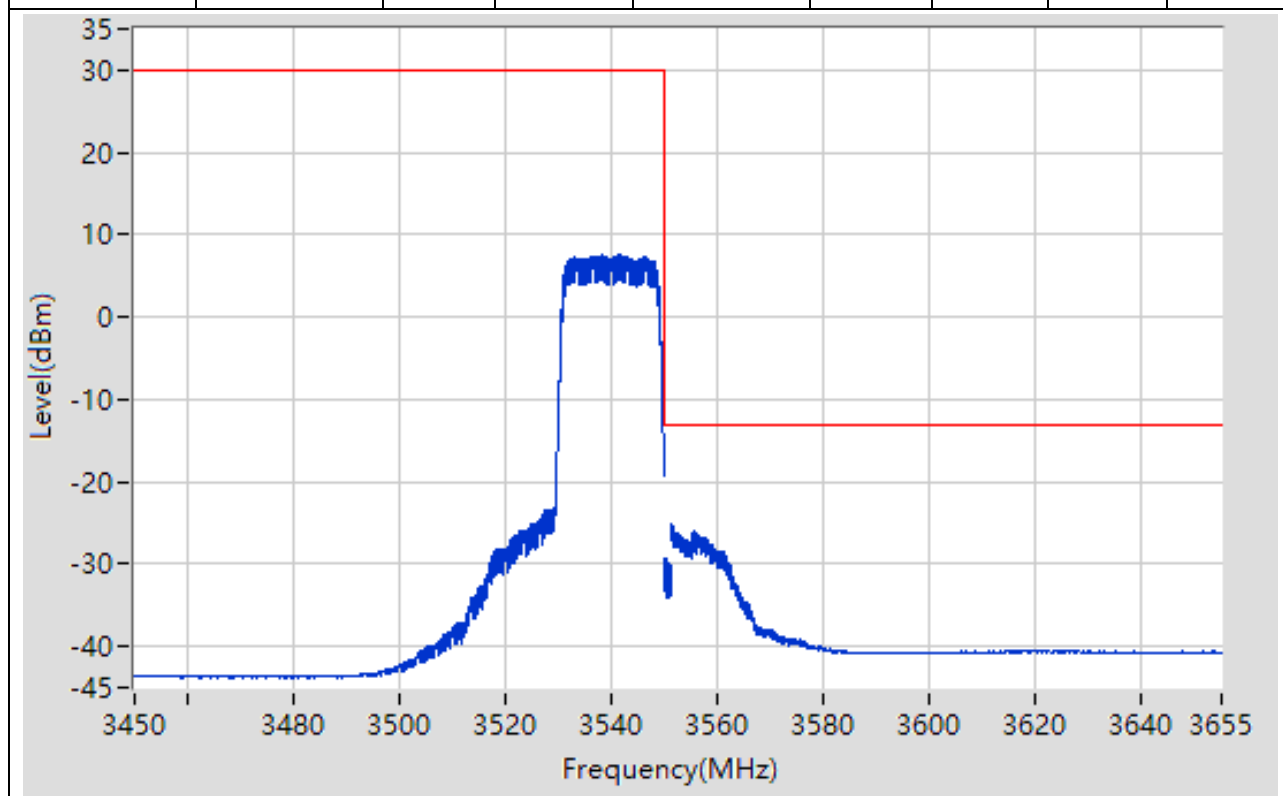
**57.7. Band Edge for SA(NTNV)(Subtest:7, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549            | 17.6        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.002        | -25.01      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.573        | -36.77      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3620.667        | -40.57      | -13         | Pass    | 601         |



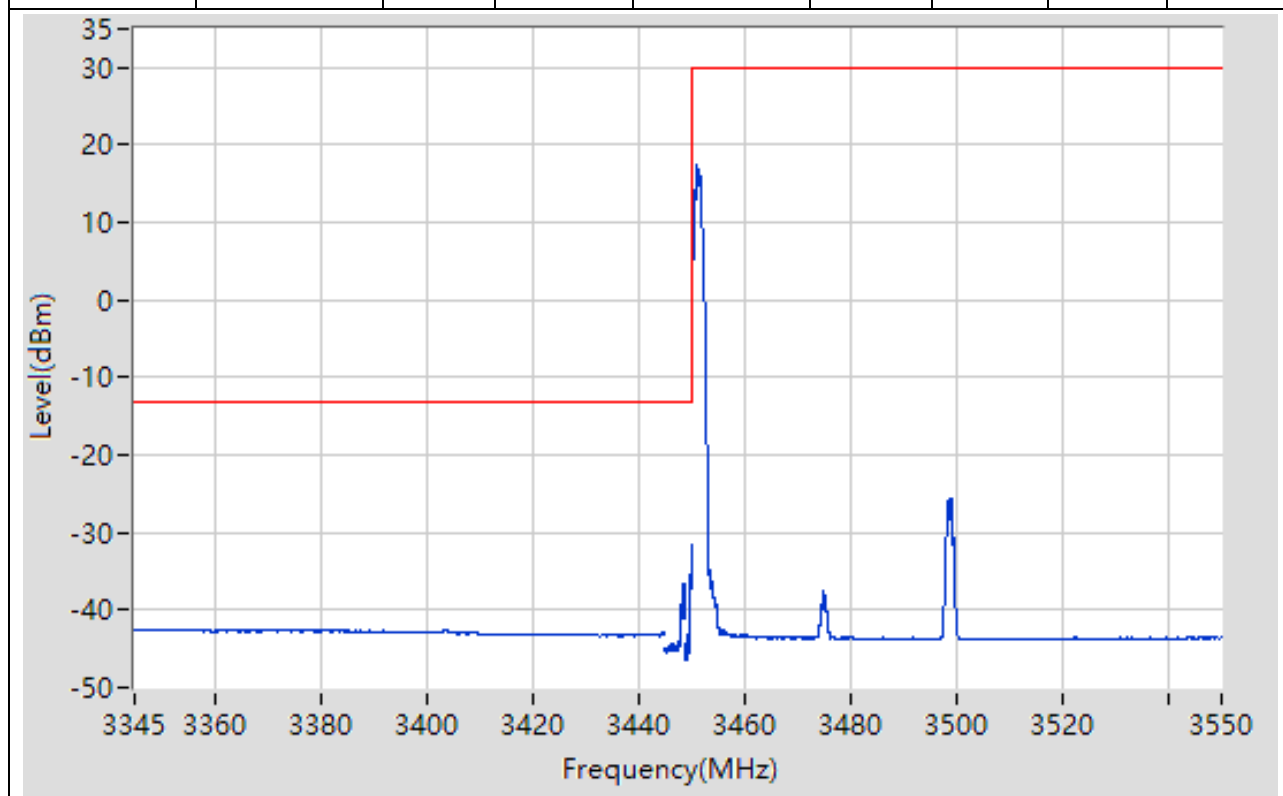
**57.8. Band Edge for SA(NTNV)(Subtest:8, Channel:636000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3541.5          | 7.48        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.172        | -29.21      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.027        | -25.24      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.333        | -26.07      | -13         | Pass    | 601         |



**57.9. Band Edge for SA(NTNV)(Subtest:1, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

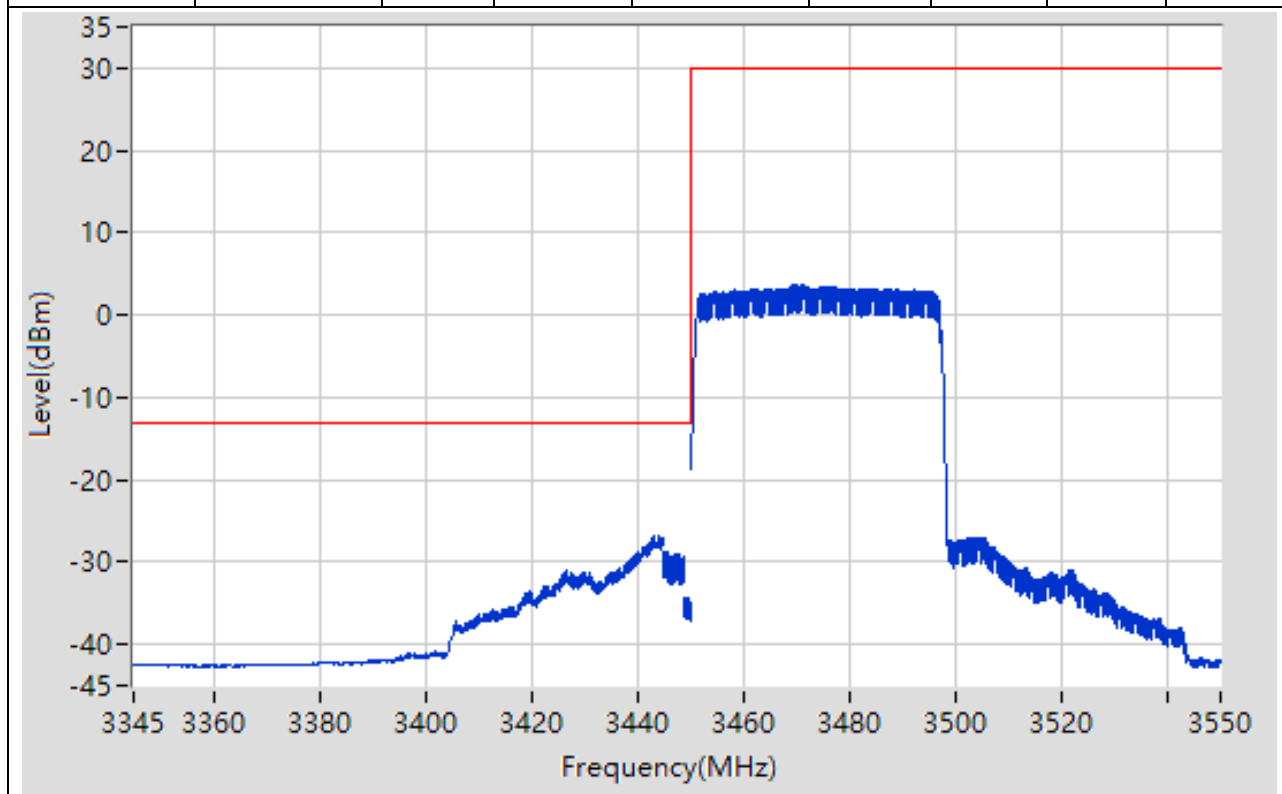
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3345.167        | -42.43      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.793        | -36.52      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.997        | -31.69      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.167        | 17.61       | 30          | Pass    | 601         |





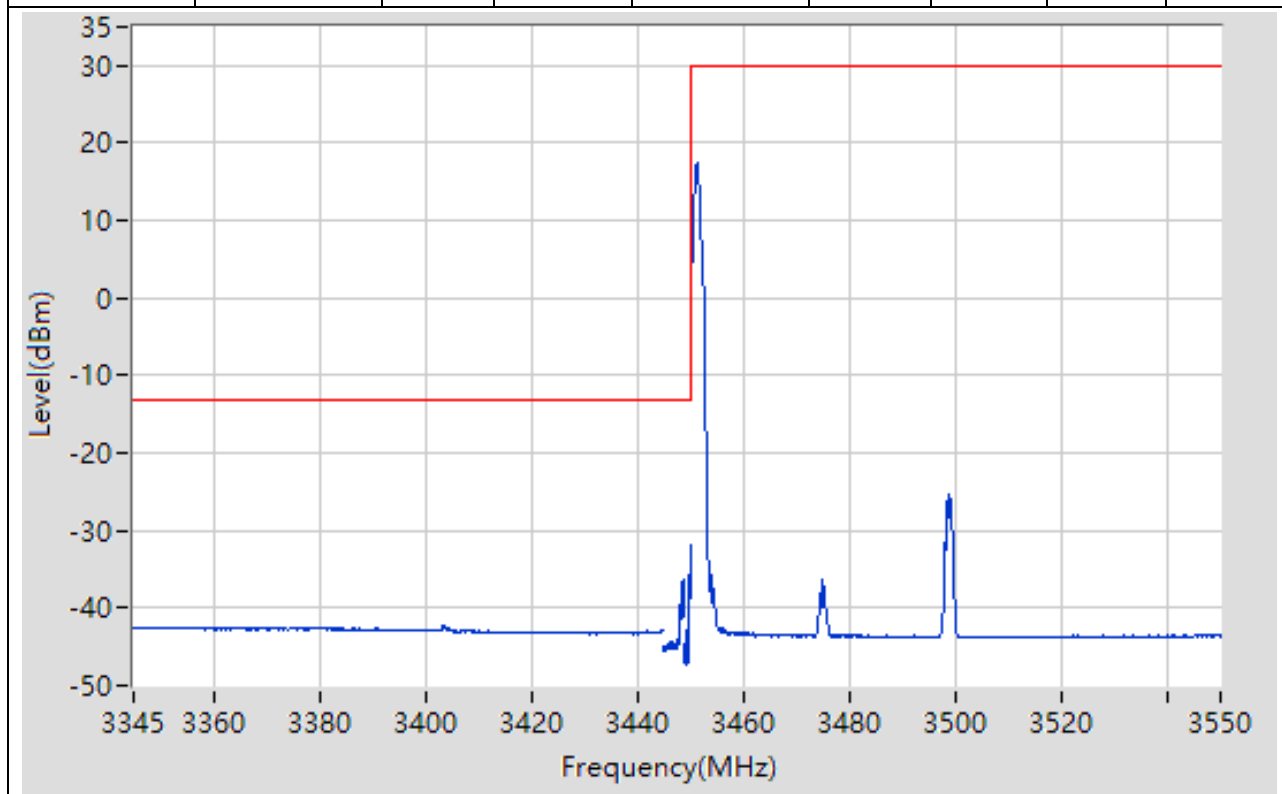
**57.10. Band Edge for SA(NTNV)(Subtest:2, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3443.333        | -26.84      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3445.313        | -28.77      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.628        | -34.26      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3469.833        | 3.59        | 30          | Pass    | 601         |



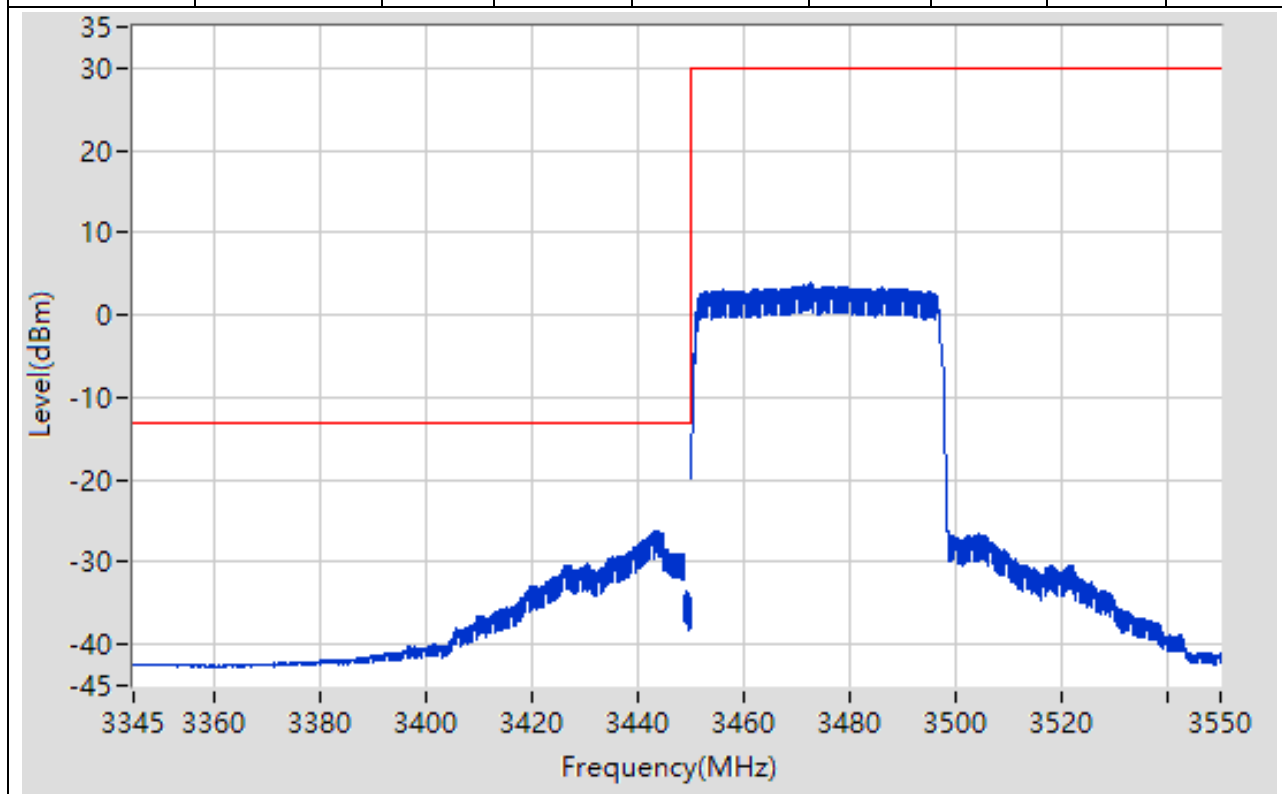
**57.11. Band Edge for SA(NTNV)(Subtest:3, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3403.833        | -42.26      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.687        | -36.46      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.997        | -31.99      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.333        | 17.52       | 30          | Pass    | 601         |



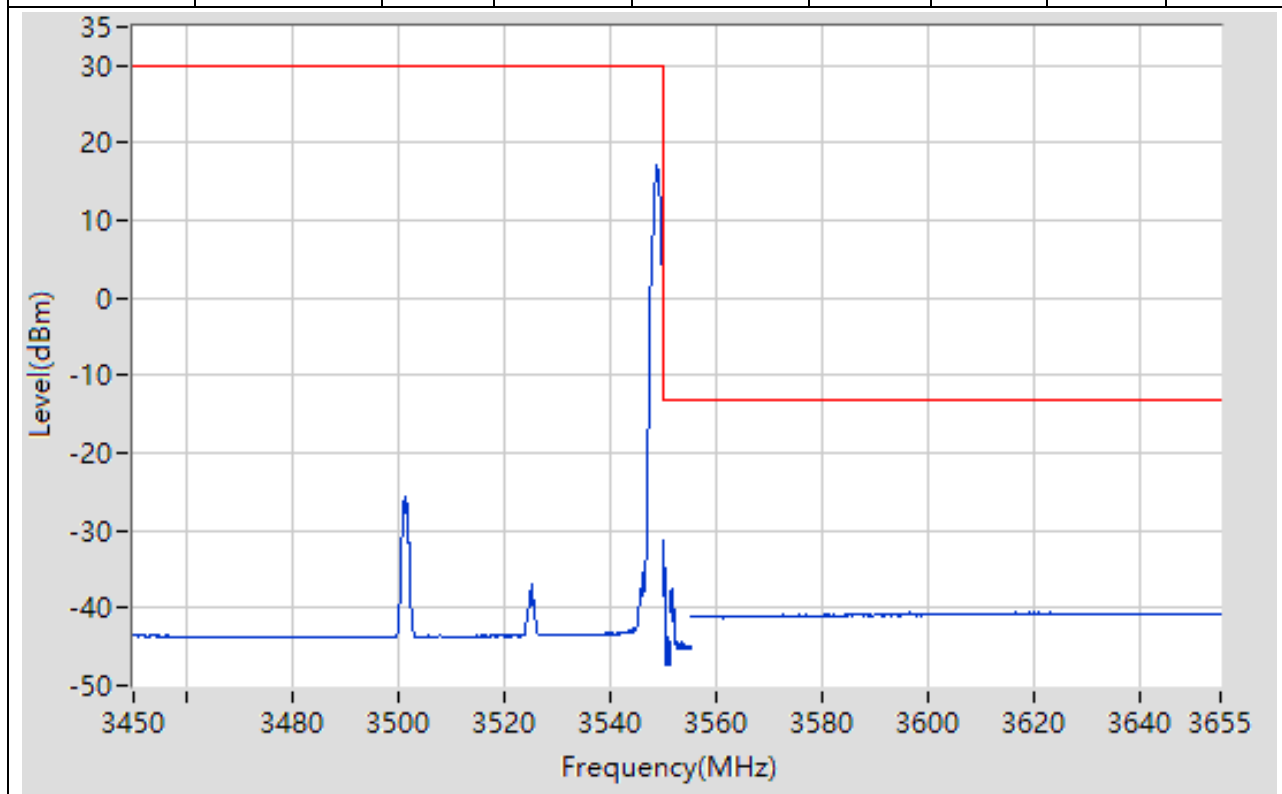
**57.12. Band Edge for SA(NTNV)(Subtest:4, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3443.333        | -26.25      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3445.013        | -28.49      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.42         | -33.6       | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3472.667        | 3.84        | 30          | Pass    | 601         |



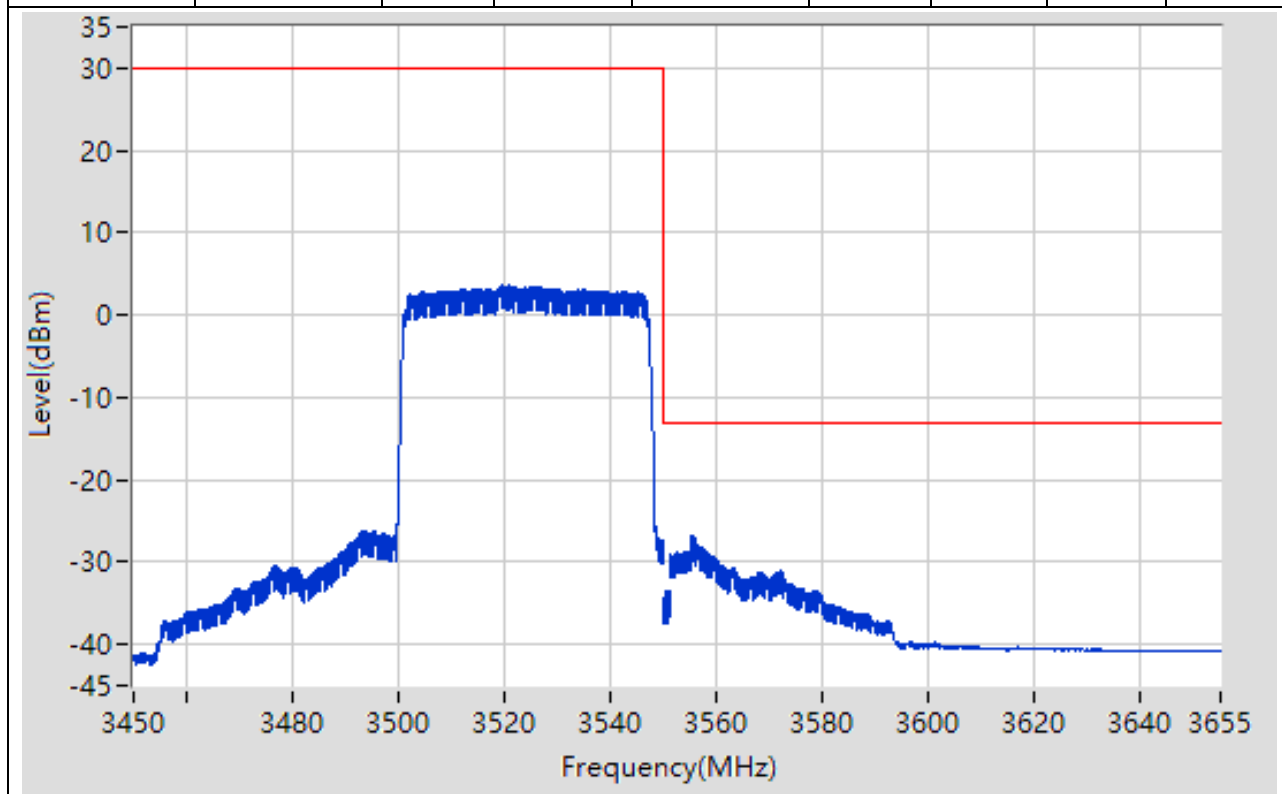
**57.13. Band Edge for SA(NTNV)(Subtest:5, Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3548.667        | 17.27       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.002        | -31.29      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.42         | -37.6       | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3596.333        | -40.56      | -13         | Pass    | 601         |



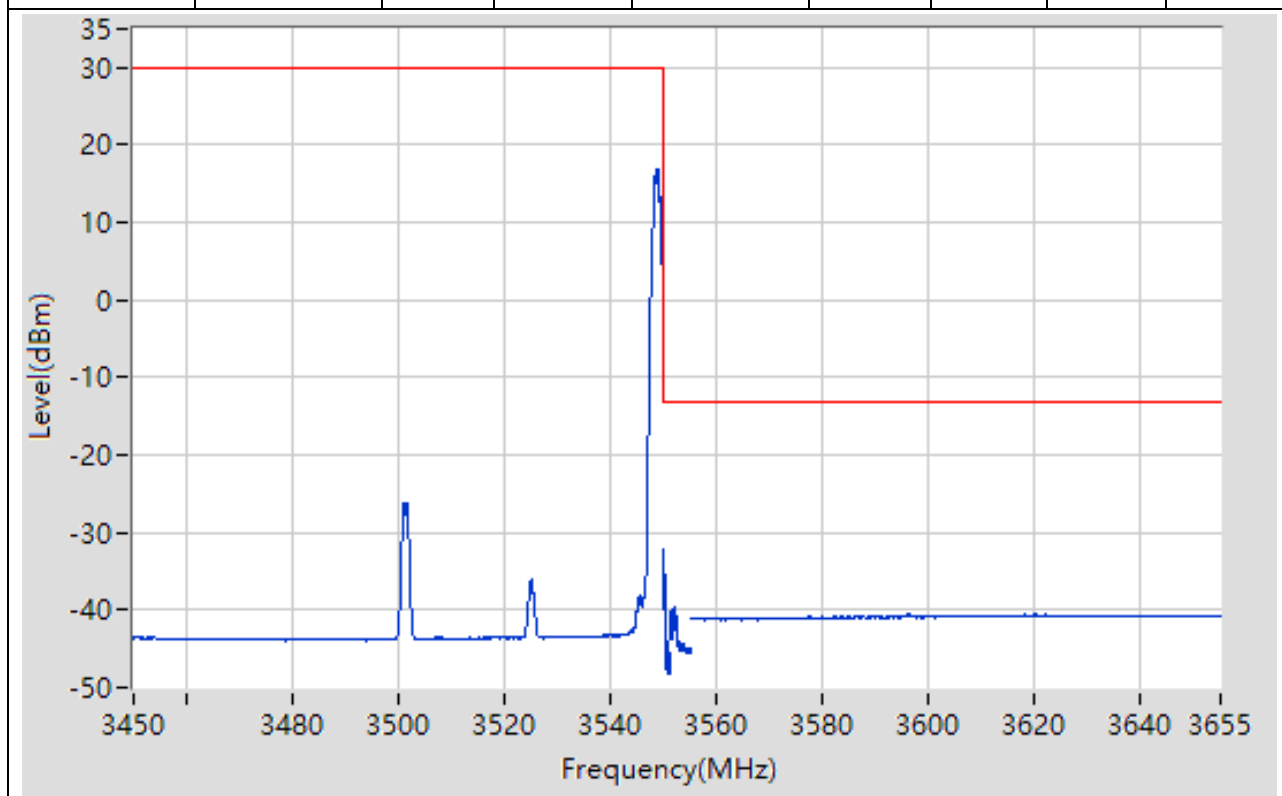
**57.14. Band Edge for SA(NTNV)(Subtest:6, Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3519.5          | 3.6         | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.978        | -33.41      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3553.727        | -28.74      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555            | -26.92      | -13         | Pass    | 601         |



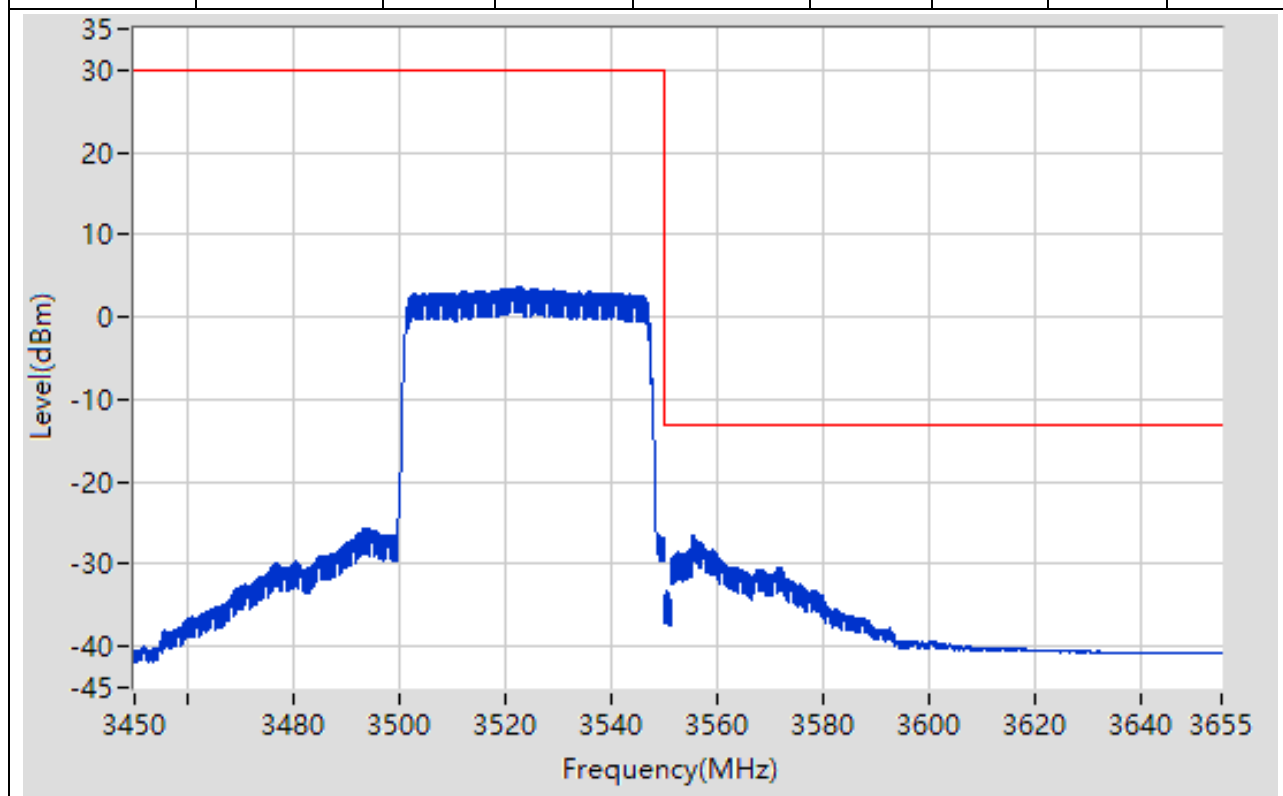
**57.15. Band Edge for SA(NTNV)(Subtest:7, Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3548.833        | 16.93       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.002        | -32.11      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3552.067        | -39.67      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3596.333        | -40.52      | -13         | Pass    | 601         |



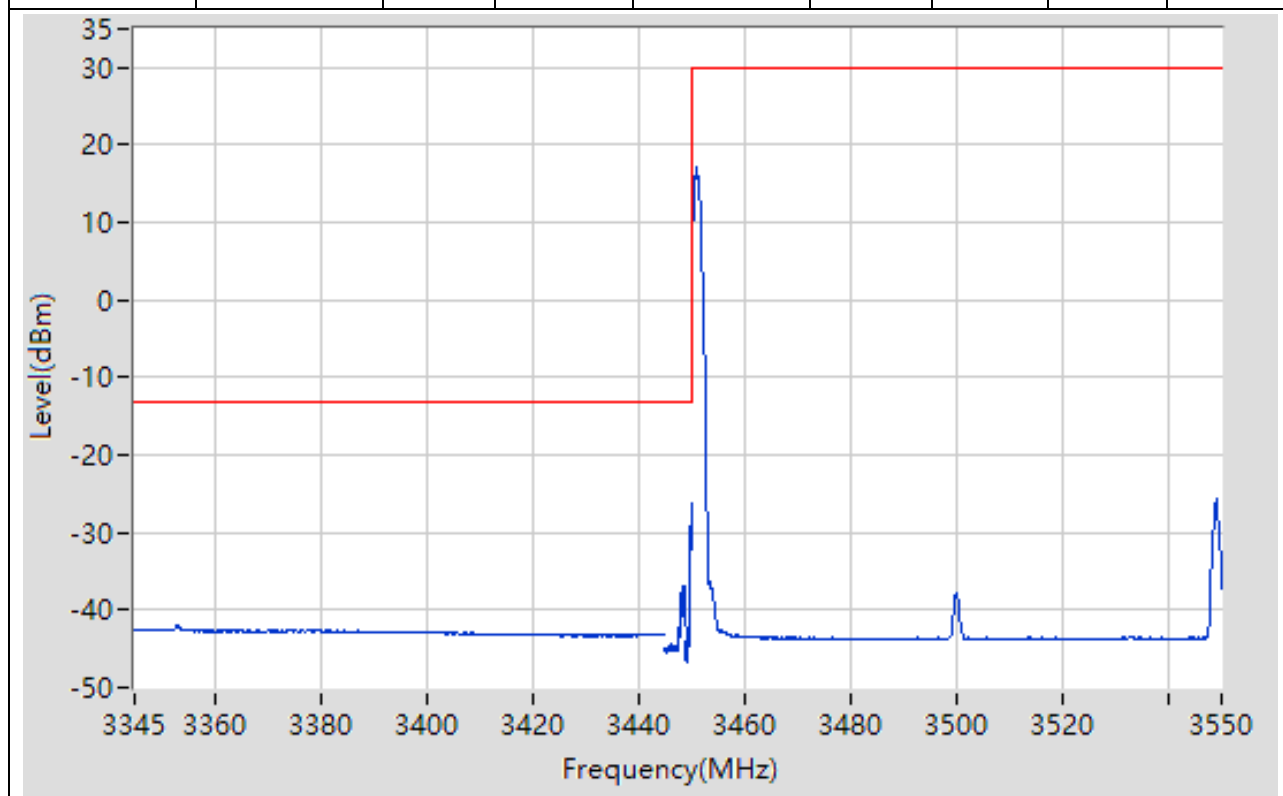
**57.16. Band Edge for SA(NTNV)(Subtest:8, Channel:635000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3522.667        | 3.71        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.408        | -33.21      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3554.62         | -28.29      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.167        | -26.64      | -13         | Pass    | 601         |



**57.17. Band Edge for SA(NTNV)(Subtest:1, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

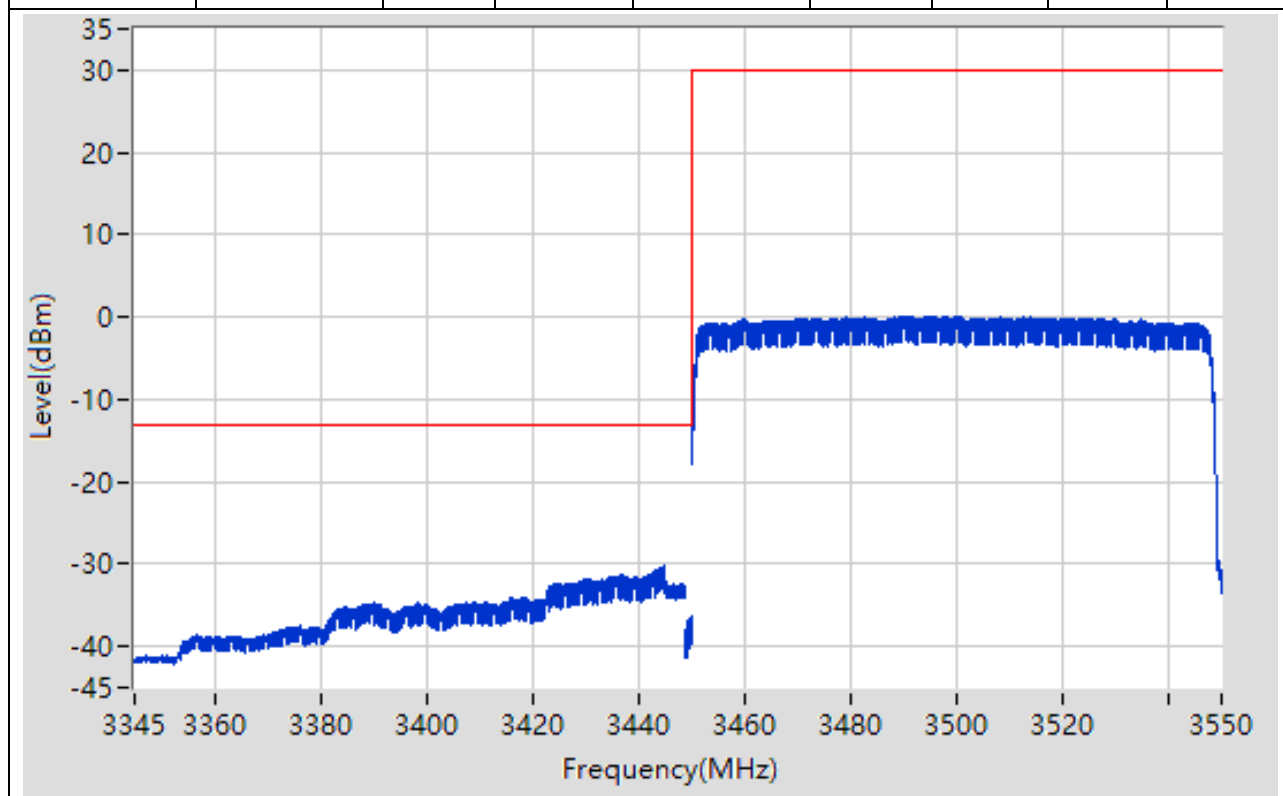
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3352.833        | -41.98      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.593        | -36.97      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.997        | -26.23      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.167        | 17.1        | 30          | Pass    | 601         |





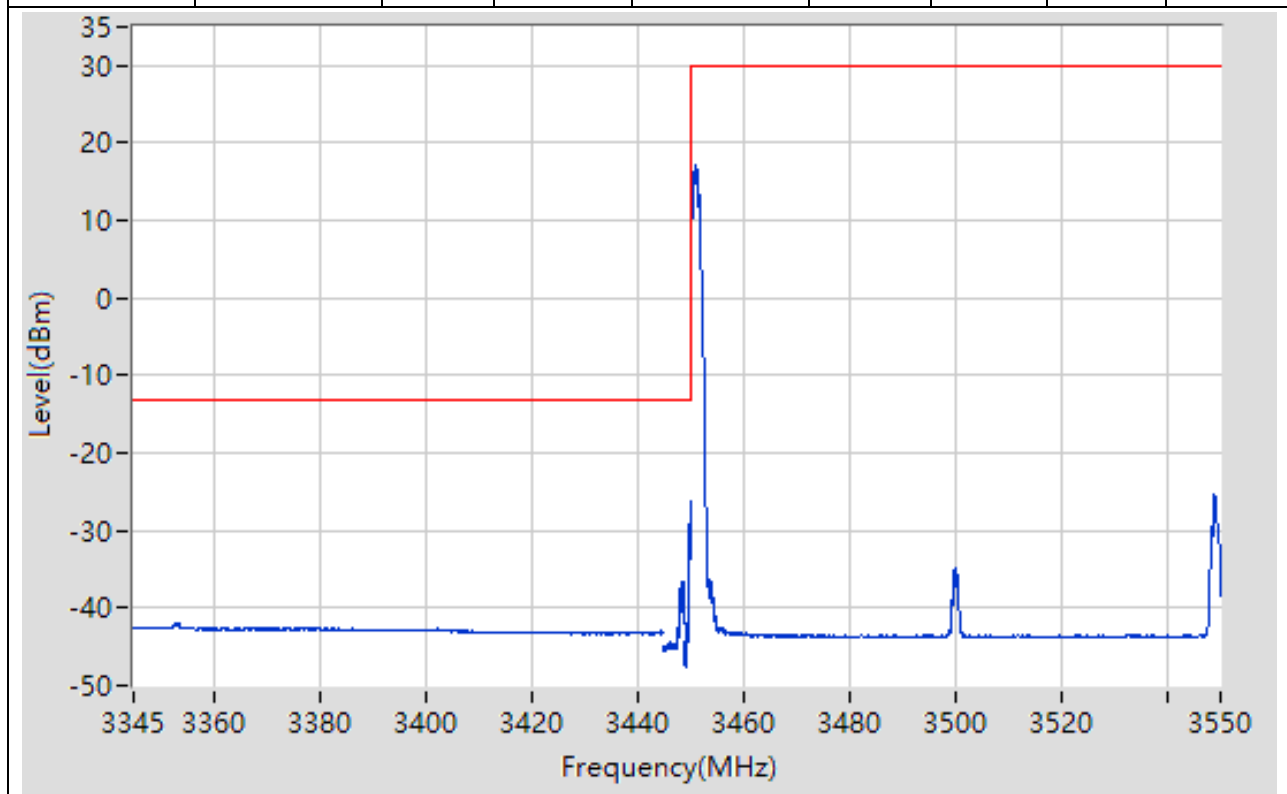
**57.18. Band Edge for SA(NTNV)(Subtest:2, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3444.833        | -30.24      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3445.02         | -32.16      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.943        | -36.39      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3491.167        | 0.11        | 30          | Pass    | 601         |



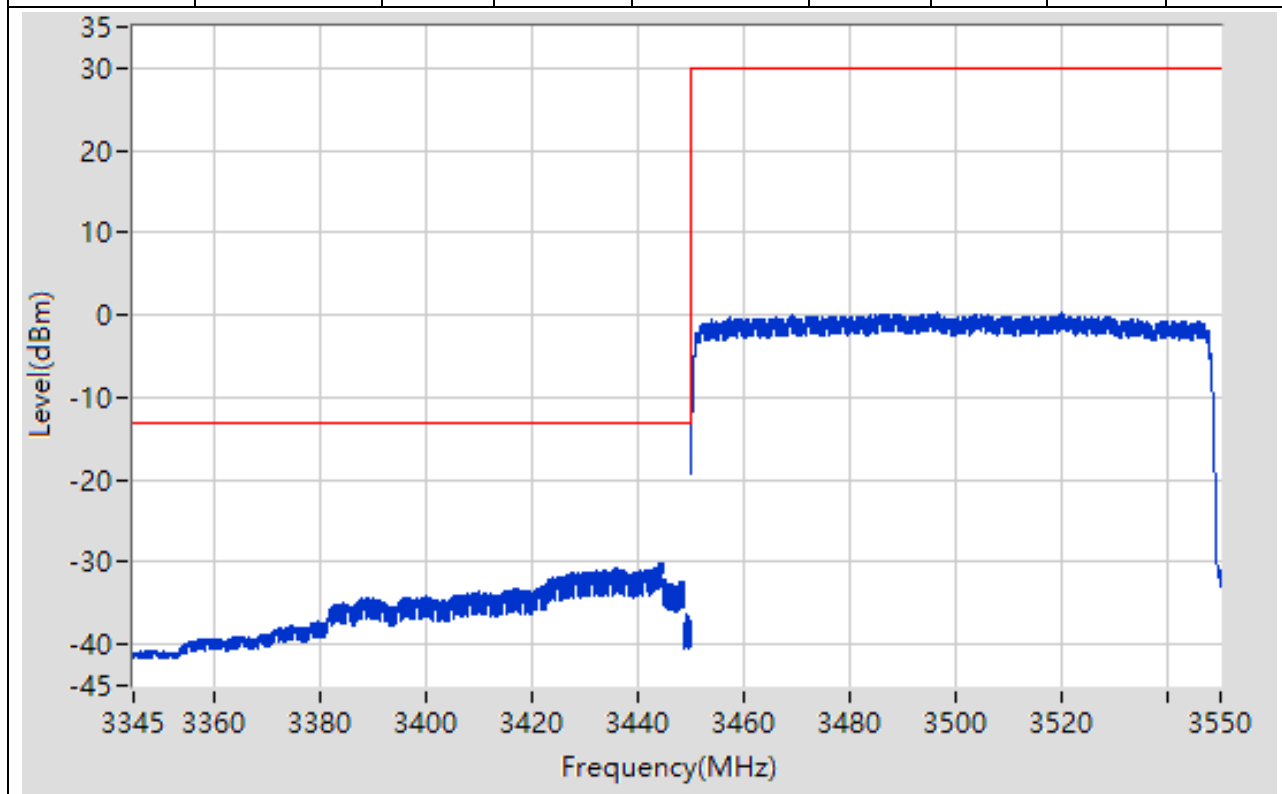
**57.19. Band Edge for SA(NTNV)(Subtest:3, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3353.167        | -41.88      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3448.613        | -36.5       | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.998        | -26.26      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3451.167        | 17.23       | 30          | Pass    | 601         |



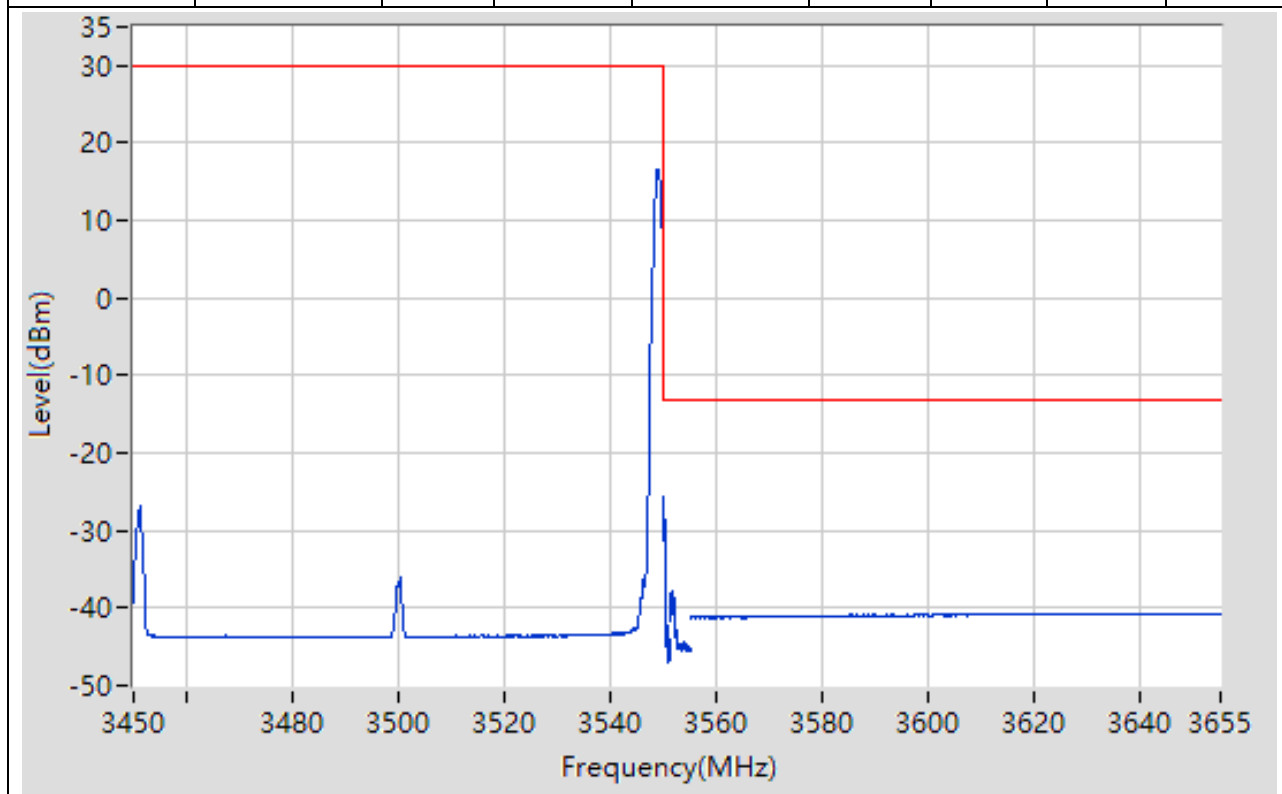
**57.20. Band Edge for SA(NTNV)(Subtest:4, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3345                  | 3445                 | 1         | RMS      | 3445            | -30.17      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 0.62      | RMS      | 3445.007        | -32.02      | -13         | Pass    | 601         |
| 3449                  | 3450                 | 0.2       | RMS      | 3449.357        | -36.39      | -13         | Pass    | 601         |
| 3450                  | 3550                 | 1         | RMS      | 3520.167        | 0.21        | 30          | Pass    | 601         |



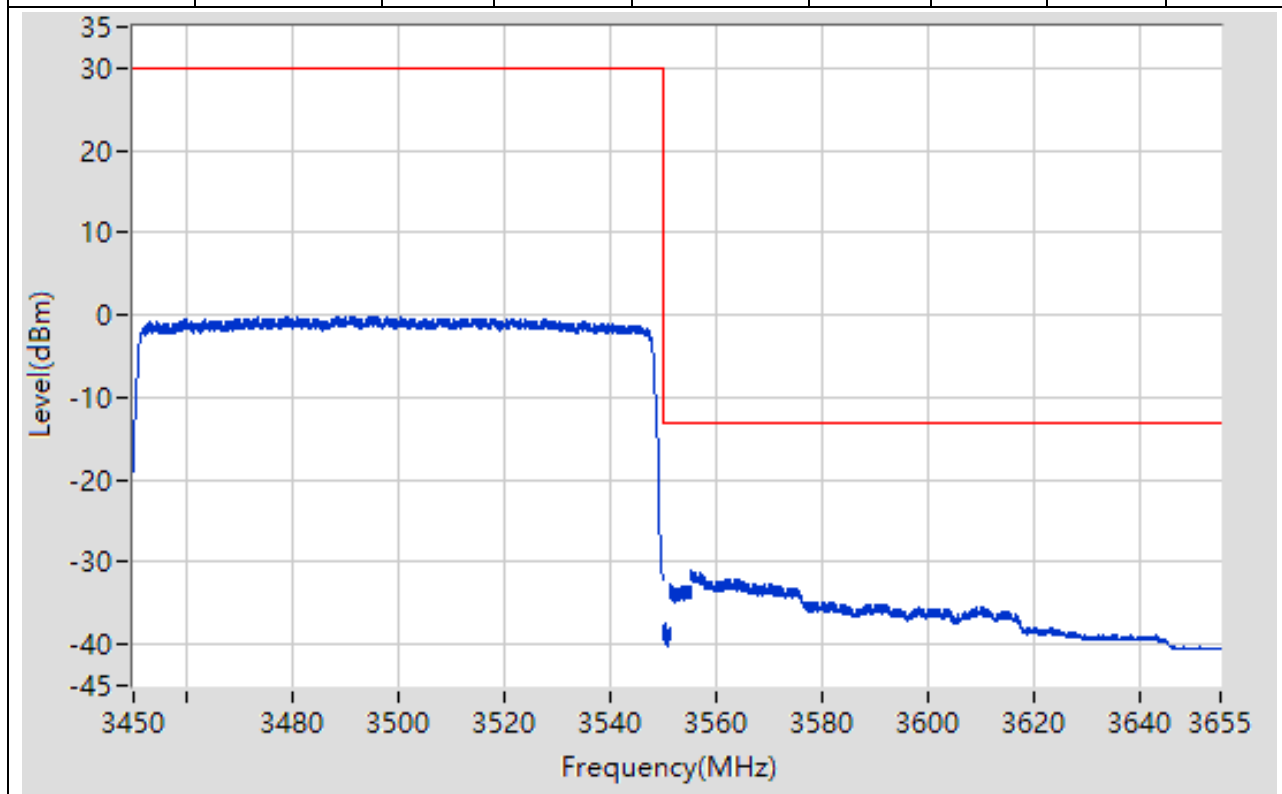
**57.21. Band Edge for SA(NTNV)(Subtest:5, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549.167        | 16.71       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.002        | -25.51      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.433        | -37.72      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3646.5          | -40.65      | -13         | Pass    | 601         |



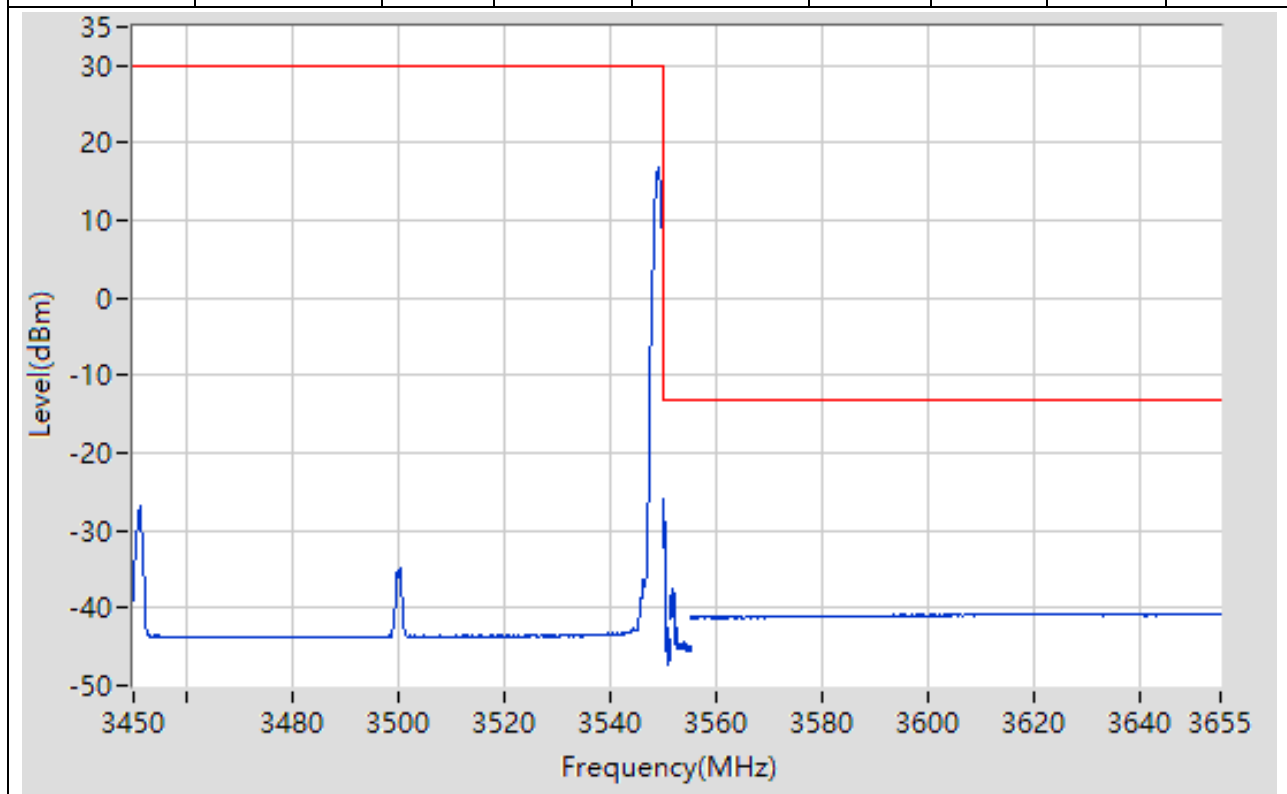
**57.22. Band Edge for SA(NTNV)(Subtest:6, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3491.167        | -0.15       | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.223        | -37.46      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.32         | -32.67      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.167        | -31.06      | -13         | Pass    | 601         |



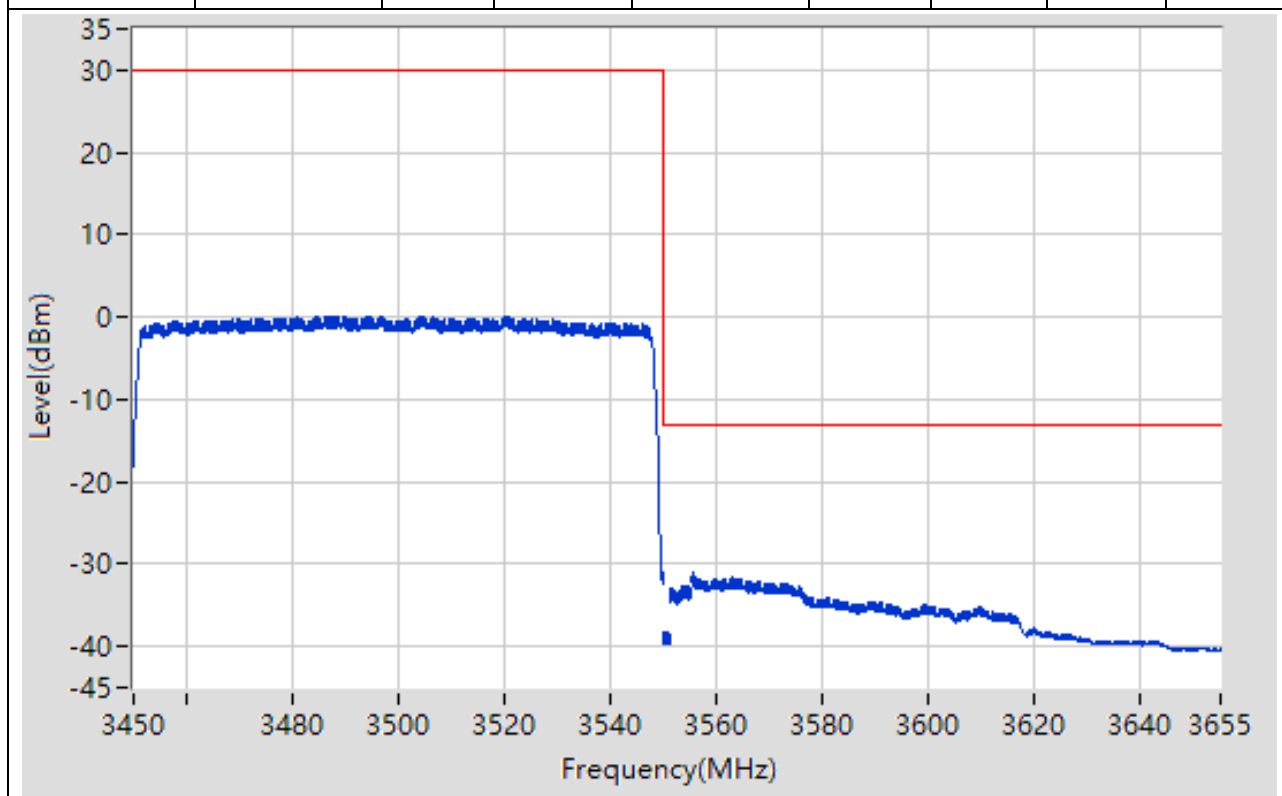
**57.23. Band Edge for SA(NTNV)(Subtest:7, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3549.167        | 16.9        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.002        | -25.96      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3551.567        | -37.58      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3647.333        | -40.66      | -13         | Pass    | 601         |



**57.24. Band Edge for SA(NTNV)(Subtest:8, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

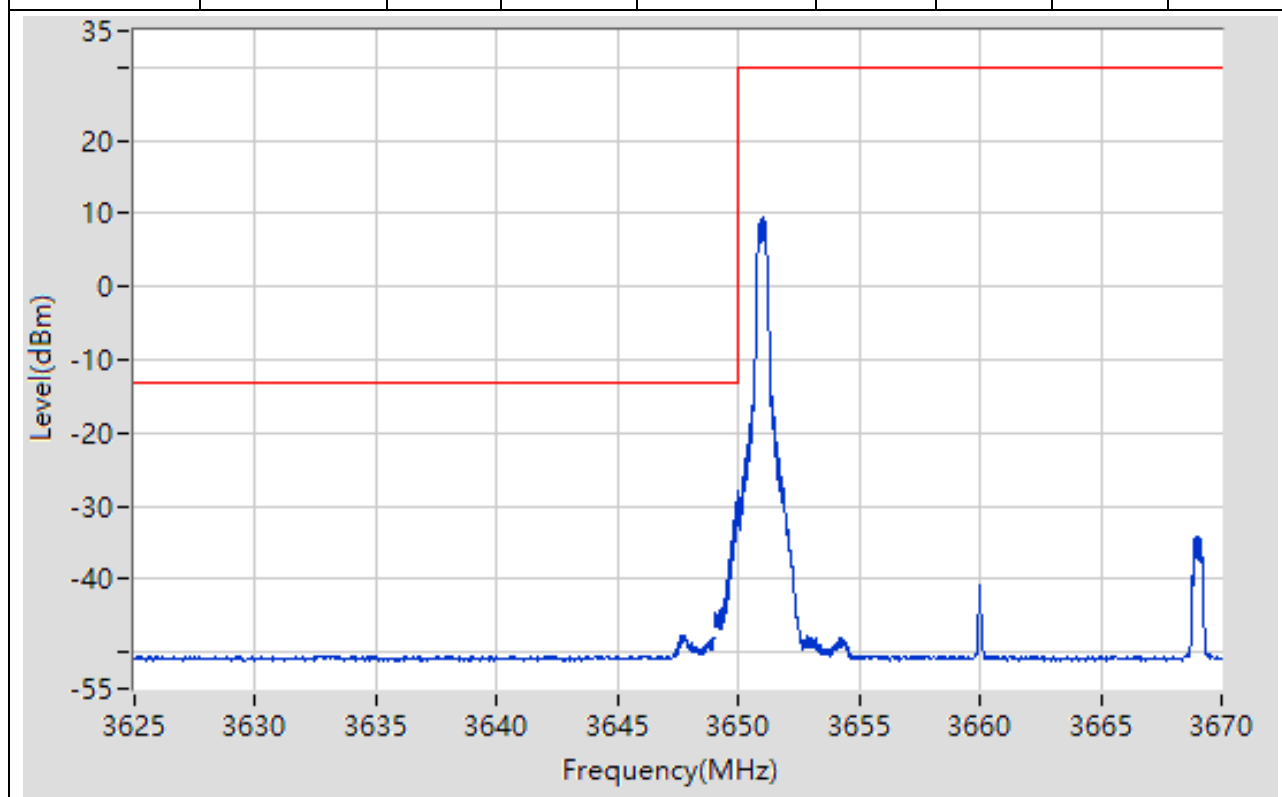
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3450                  | 3550                 | 1         | RMS      | 3520.333        | 0.14        | 30          | Pass    | 601         |
| 3550                  | 3551                 | 0.2       | RMS      | 3550.193        | -38.16      | -13         | Pass    | 601         |
| 3551                  | 3555                 | 0.62      | RMS      | 3554.453        | -32.66      | -13         | Pass    | 601         |
| 3555                  | 3655                 | 1         | RMS      | 3555.333        | -31.08      | -13         | Pass    | 601         |



## 58. n78 30kHz(3650-3700MHz)\_MIMO-ANT1

58.1. Band Edge for SA\_IC(NTNV)(Subtest:1, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)

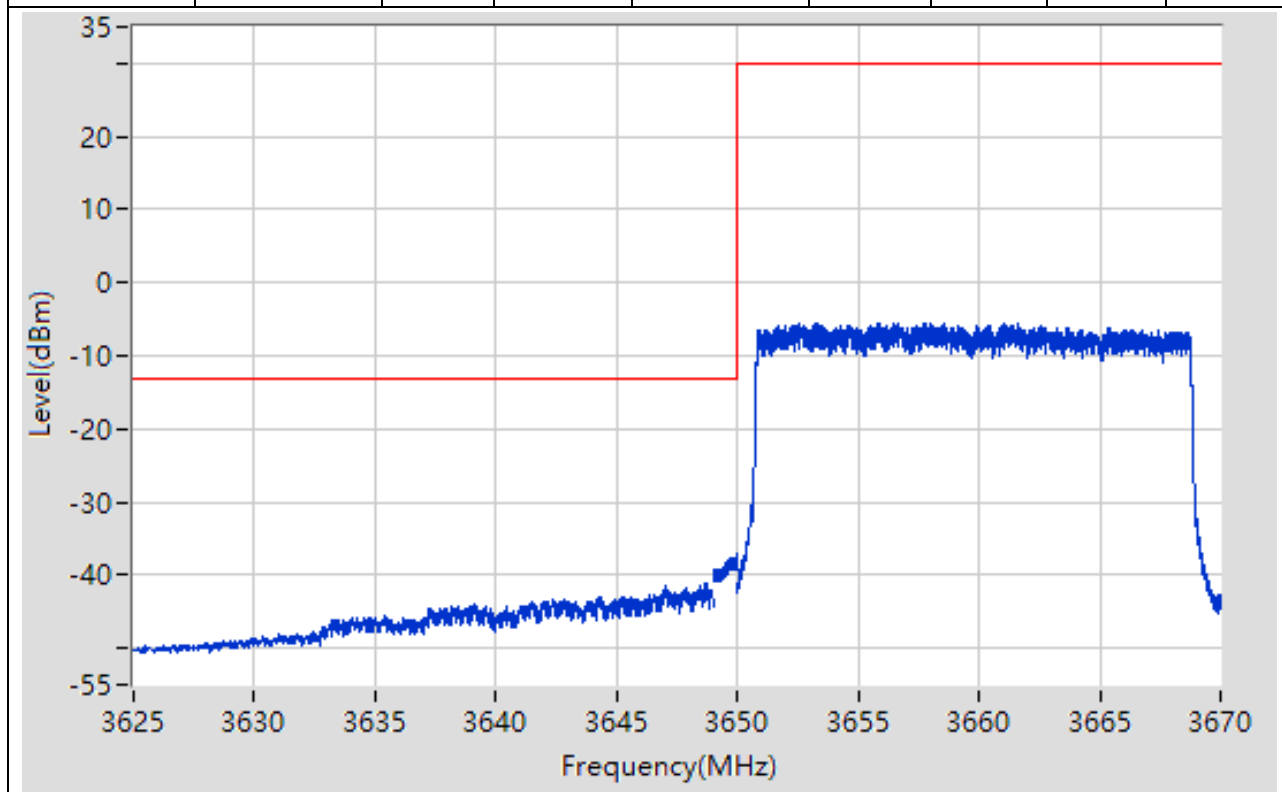
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.68         | -47.63      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3649.998        | -27.8       | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3651            | 9.36        | 30          | Pass    | 601         |





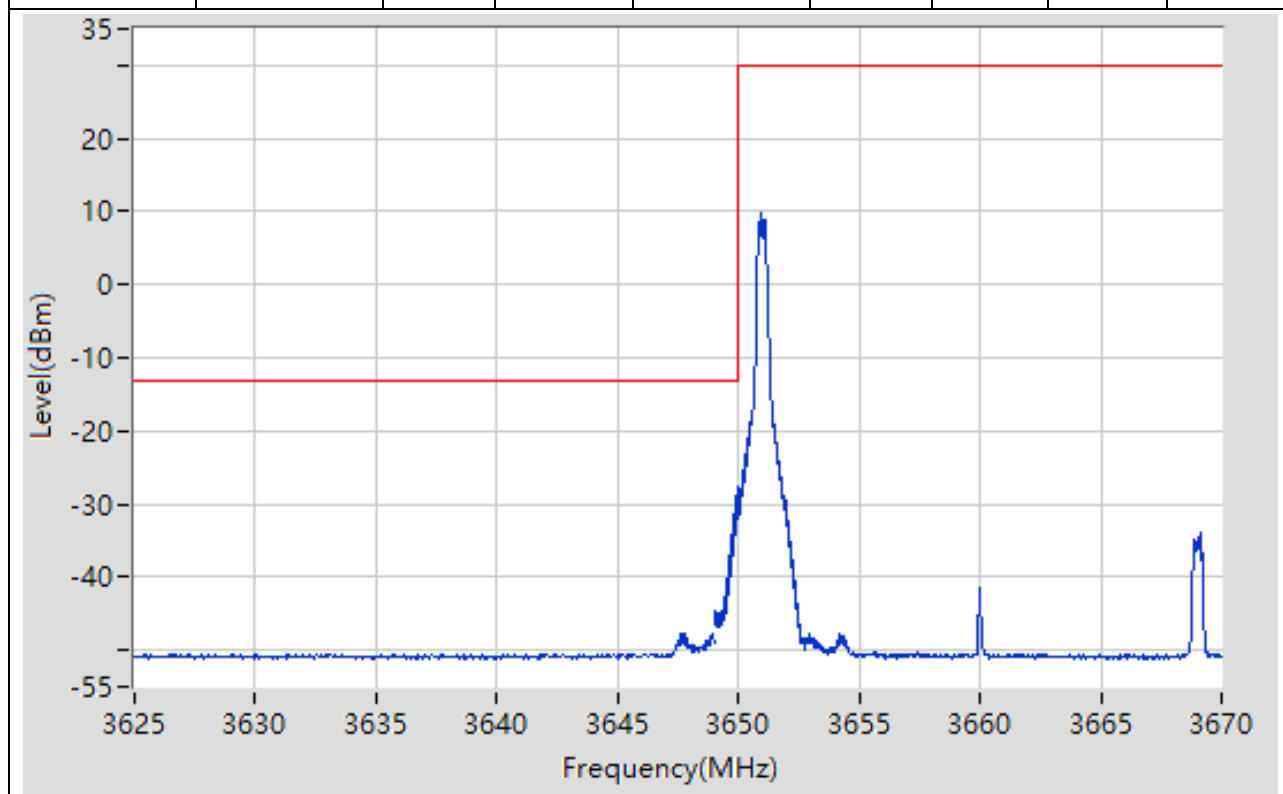
**58.2. Band Edge for SA\_IC(NTNV)(Subtest:2, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.68         | -41.14      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3649.998        | -36.94      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3655.833        | -5.47       | 30          | Pass    | 601         |



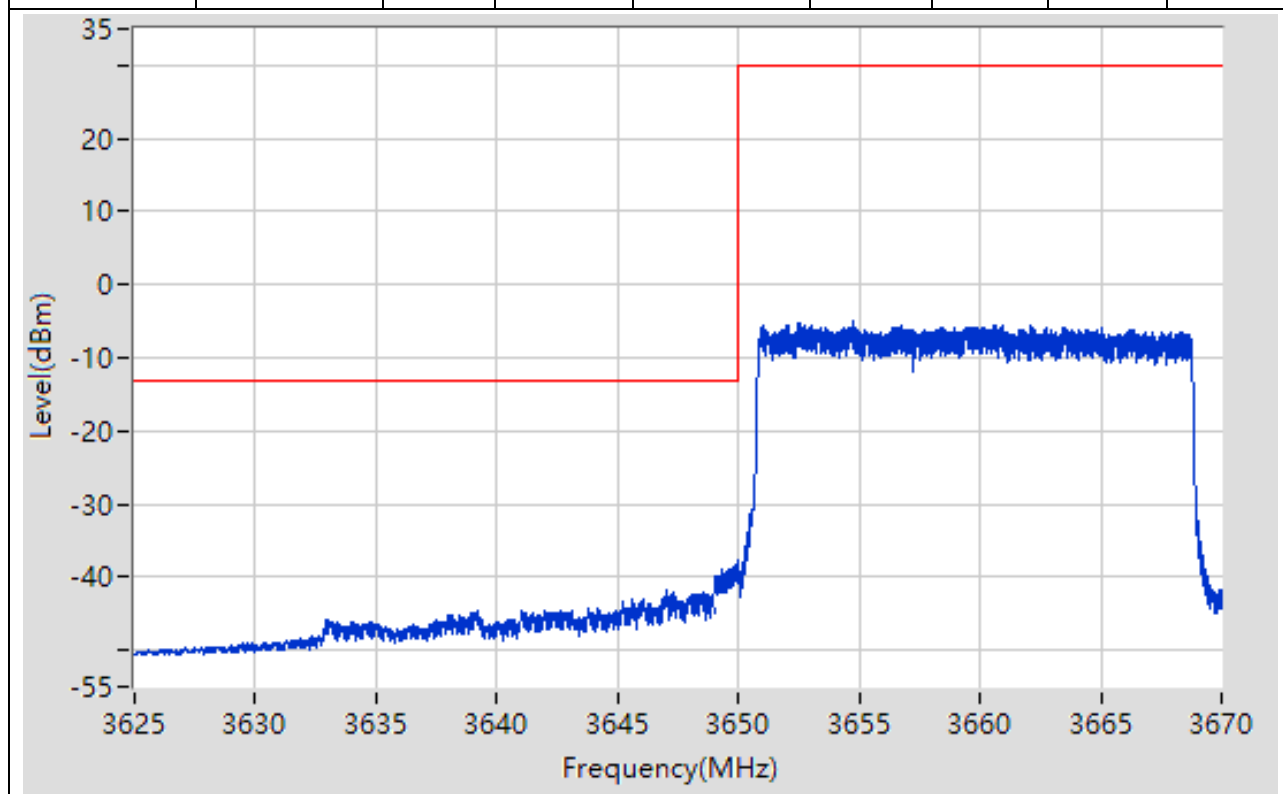
**58.3. Band Edge for SA\_IC(NTNV)(Subtest:3, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.96         | -47.76      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3650            | -27.5       | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3650.9          | 9.68        | 30          | Pass    | 601         |



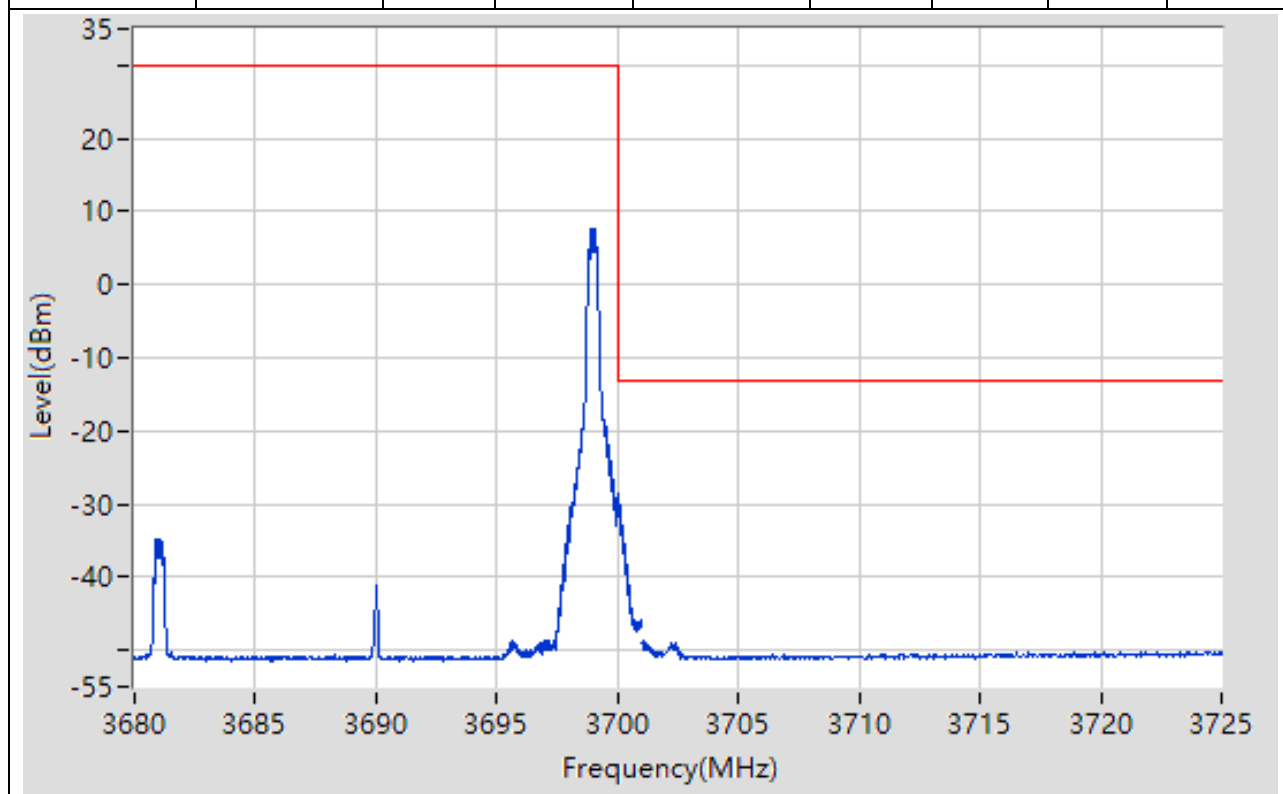
**58.4. Band Edge for SA\_IC(NTNV)(Subtest:4, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647            | -41.91      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3649.997        | -37.67      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3654.733        | -5.02       | 30          | Pass    | 601         |



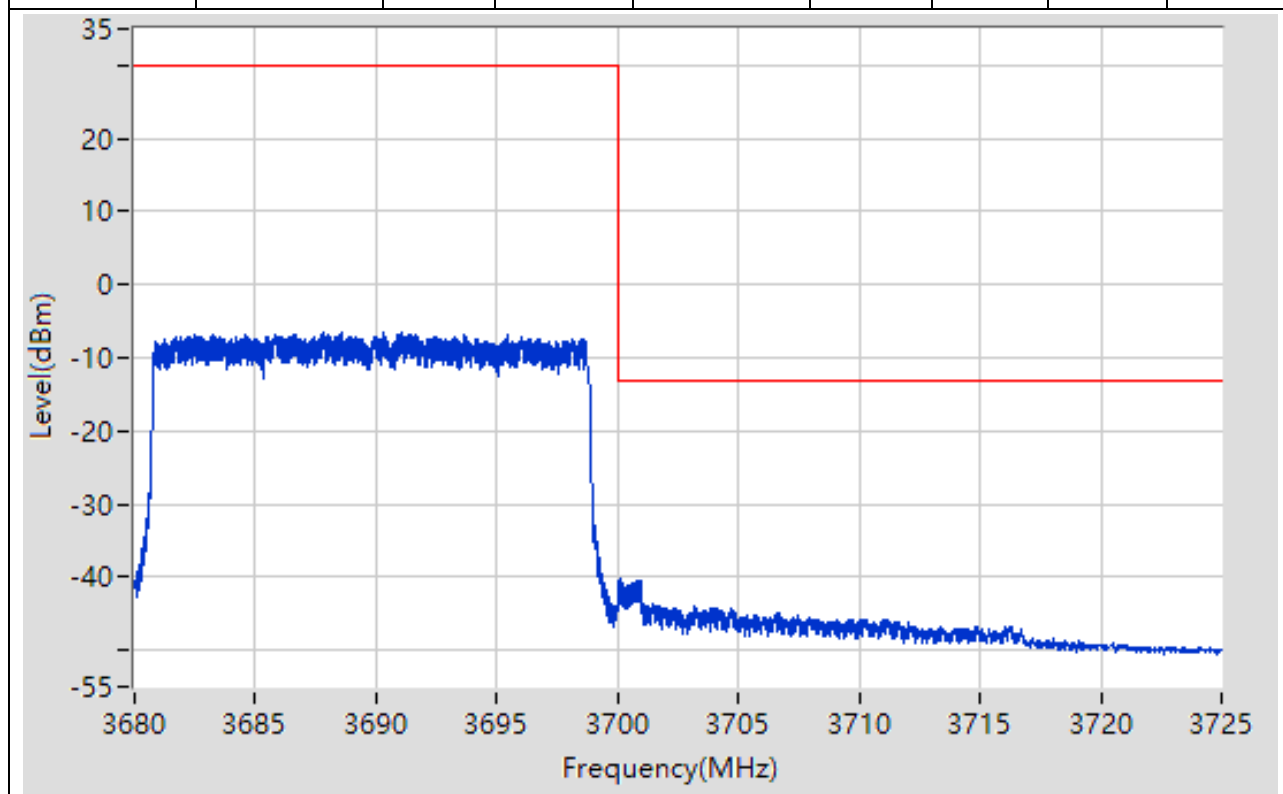
**58.5. Band Edge for SA\_IC(NTNV)(Subtest:5, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3699            | 7.71        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.003        | -28.48      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.04         | -48.82      | -13         | Pass    | 601         |



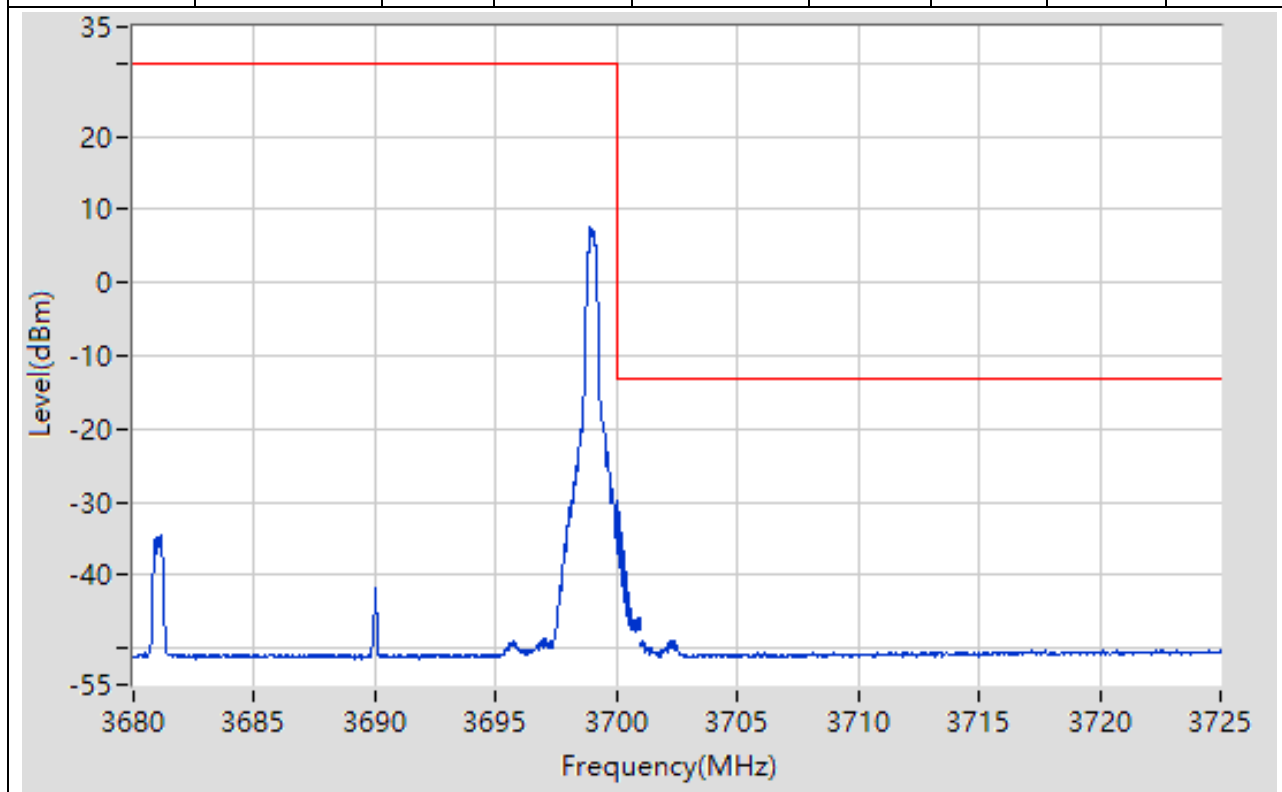
**58.6. Band Edge for SA\_IC(NTNV)(Subtest:6, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3690.333        | -6.43       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.147        | -40.24      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.08         | -43.59      | -13         | Pass    | 601         |



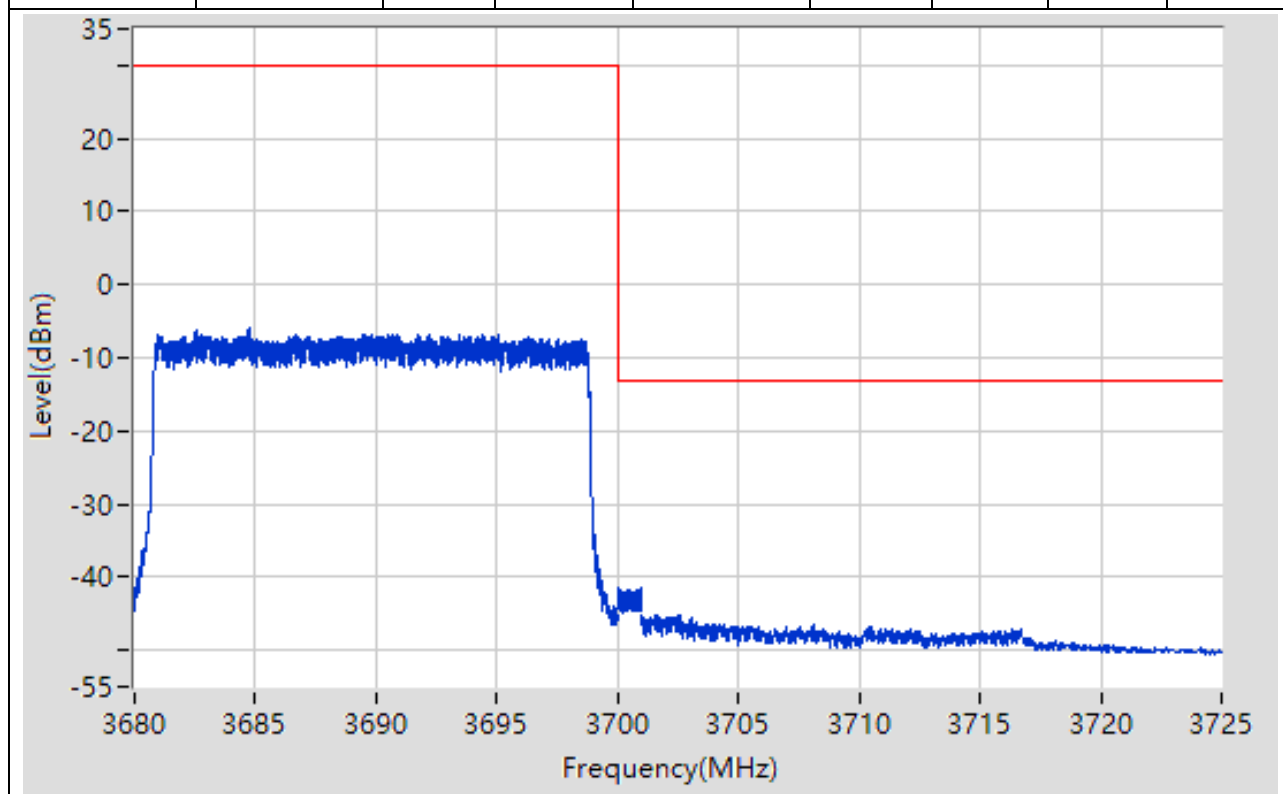
**58.7. Band Edge for SA\_IC(NTNV)(Subtest:7, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.9          | 7.78        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700            | -29.74      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.36         | -48.95      | -13         | Pass    | 601         |



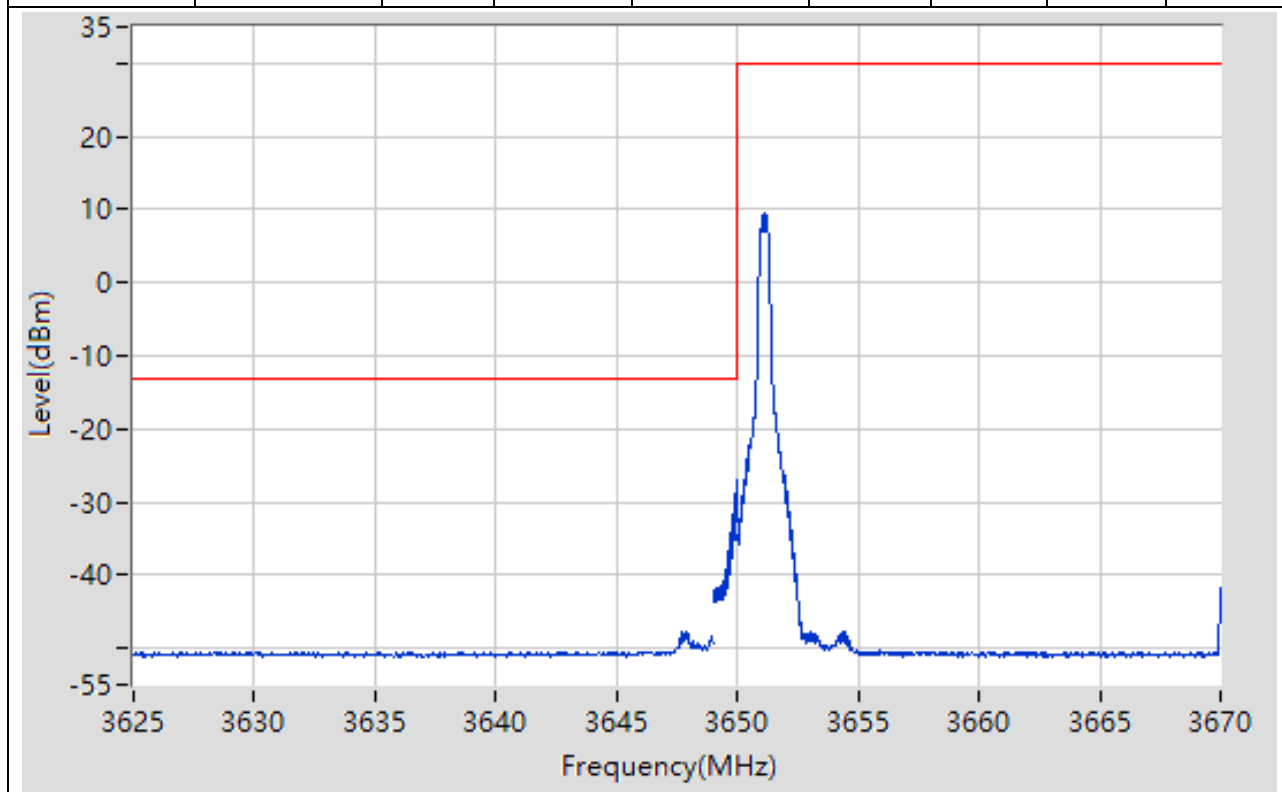
**58.8. Band Edge for SA\_IC(NTNV)(Subtest:8, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3684.733        | -6.05       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.003        | -41.34      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.6          | -45.17      | -13         | Pass    | 601         |



**58.9. Band Edge for SA\_IC(NTNV)(Subtest:9, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

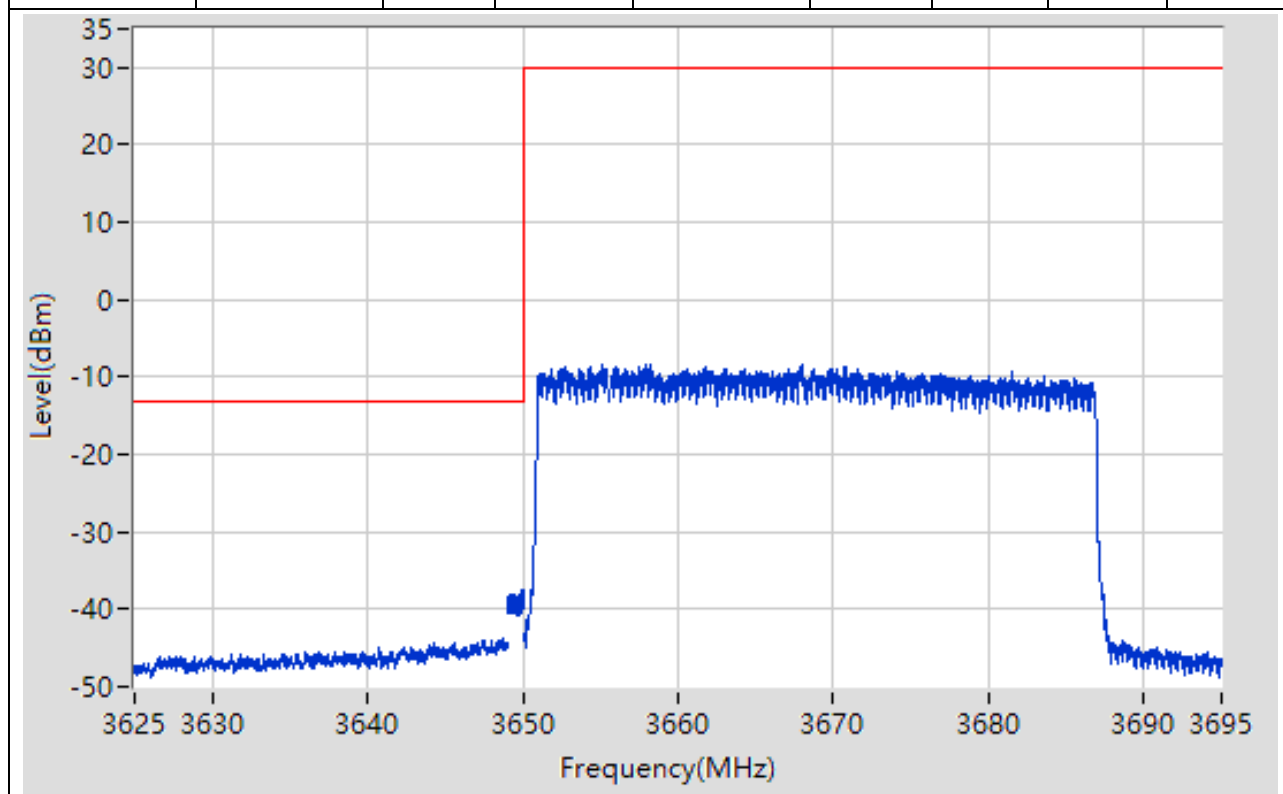
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.84         | -47.69      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3650            | -27.09      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3651.133        | 9.4         | 30          | Pass    | 601         |





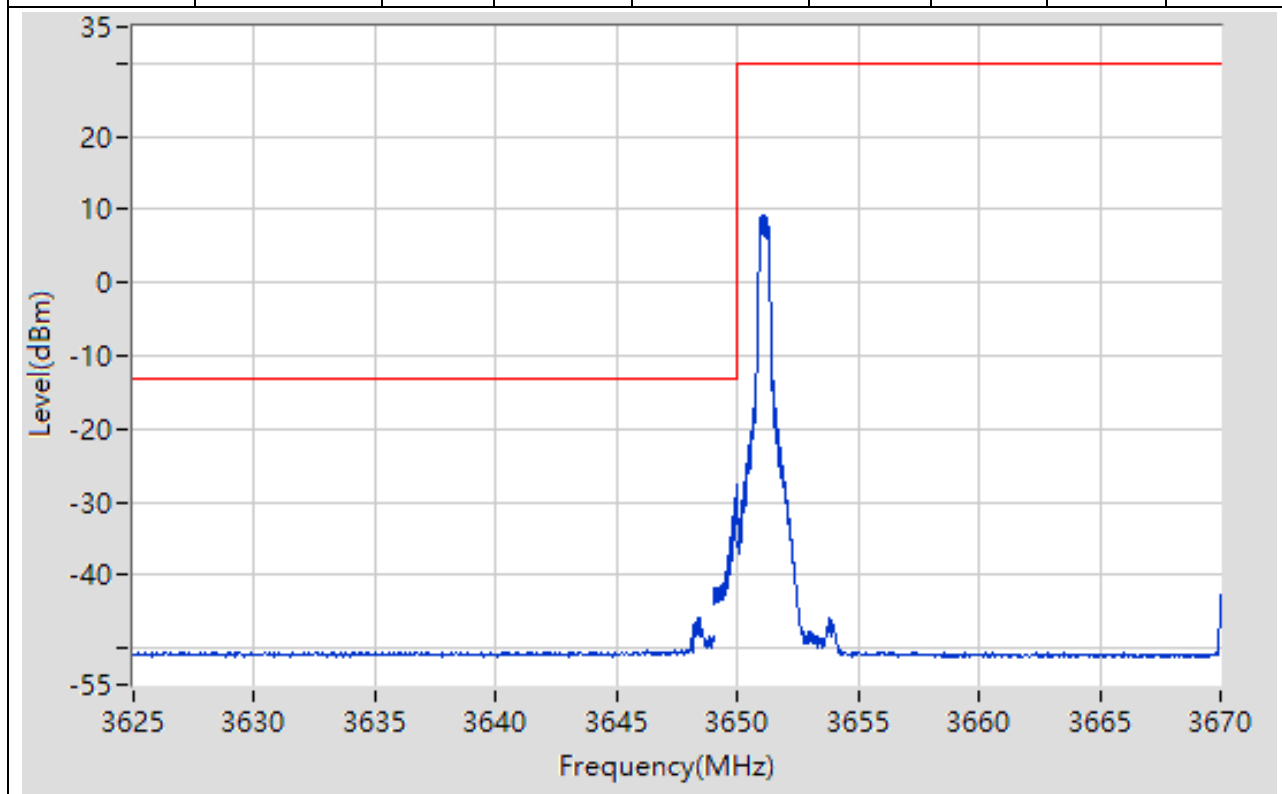
**58.10. Band Edge for SA\_IC(NTNV)(Subtest:10, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.76         | -43.8       | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3649.992        | -37.48      | -13         | Pass    | 601         |
| 3650                  | 3695                 | 0.1       | RMS      | 3655.175        | -8.36       | 30          | Pass    | 601         |



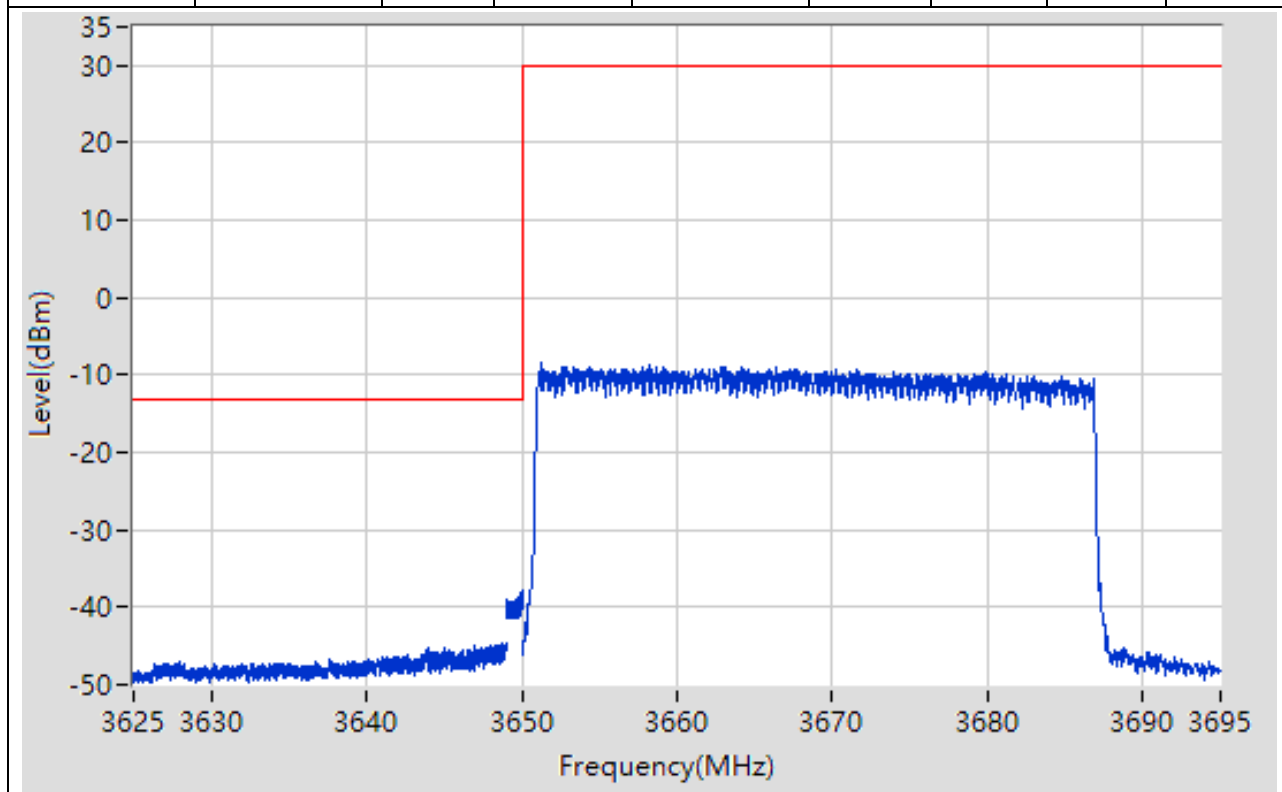
**58.11. Band Edge for SA\_IC(NTNV)(Subtest:11, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.44         | -45.93      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3650            | -27.61      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3651            | 9.28        | 30          | Pass    | 601         |



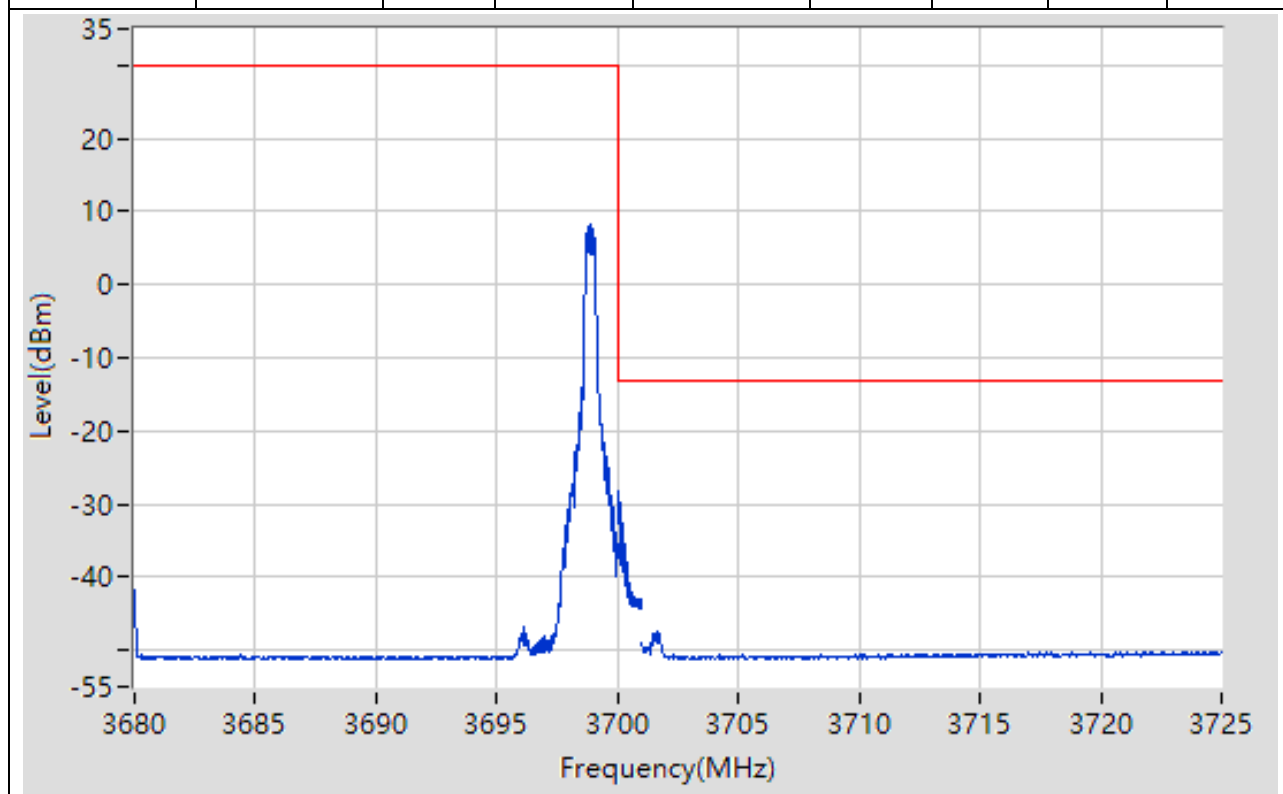
**58.12. Band Edge for SA\_IC(NTNV)(Subtest:12, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.76         | -44.6       | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3649.997        | -37.93      | -13         | Pass    | 601         |
| 3650                  | 3695                 | 0.1       | RMS      | 3651.275        | -8.53       | 30          | Pass    | 601         |



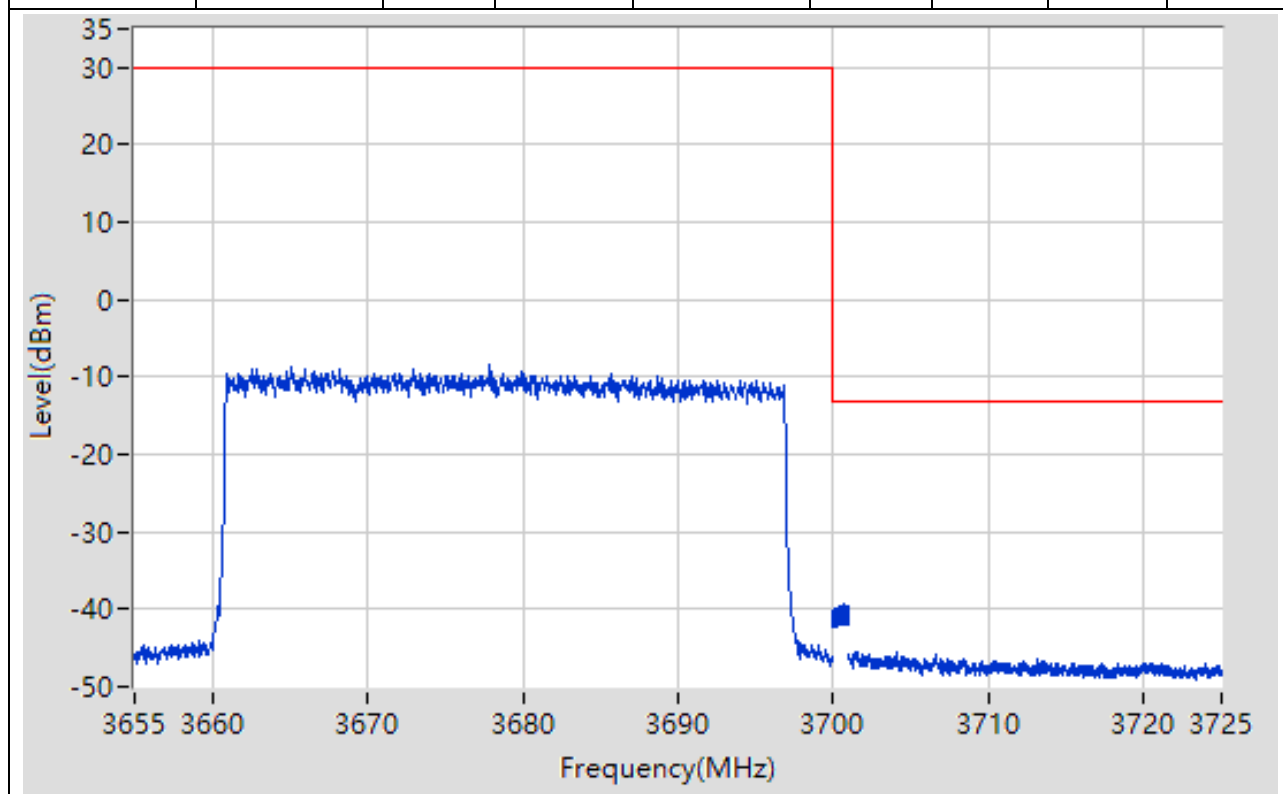
**58.13. Band Edge for SA\_IC(NTNV)(Subtest:13, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:105)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.833        | 8.15        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700            | -28.27      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.6          | -47.31      | -13         | Pass    | 601         |



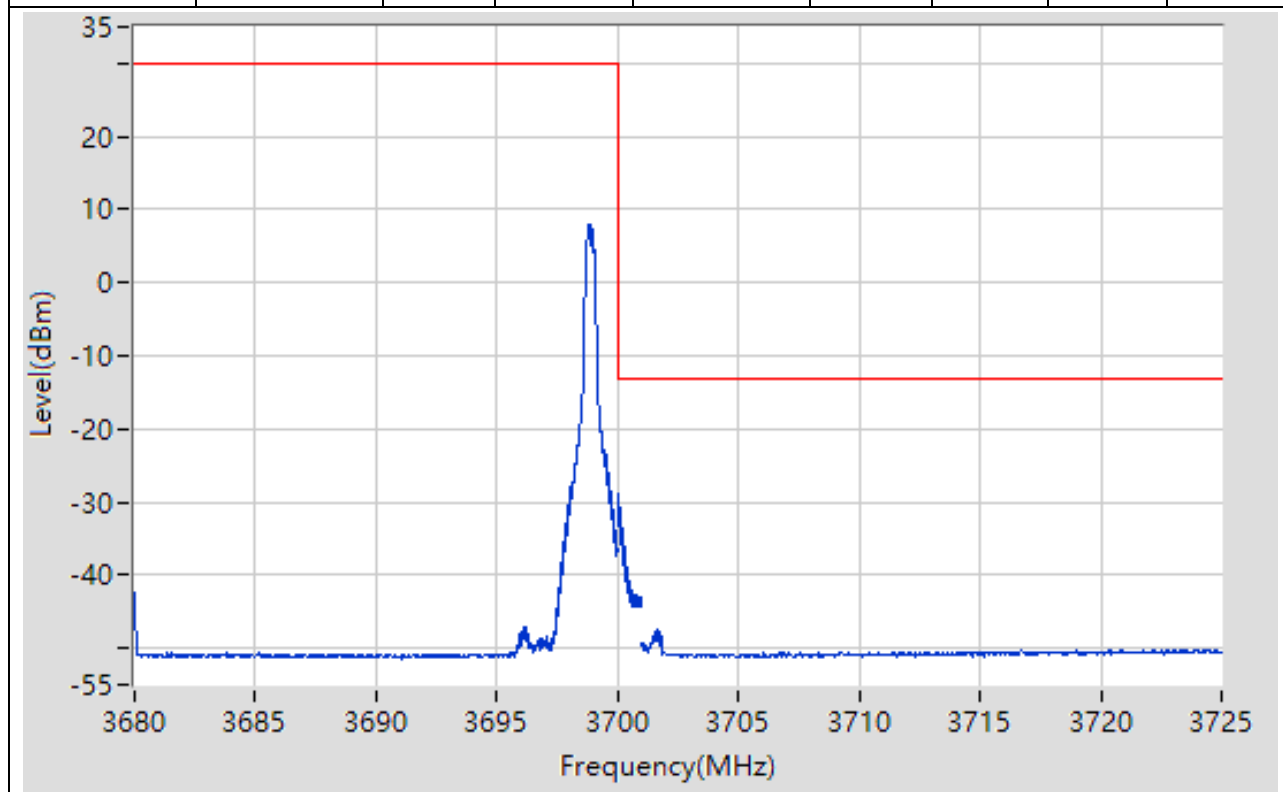
**58.14. Band Edge for SA\_IC(NTNV)(Subtest:14, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3677.875        | -8.3        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700.668        | -39.45      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.4          | -45.58      | -13         | Pass    | 601         |



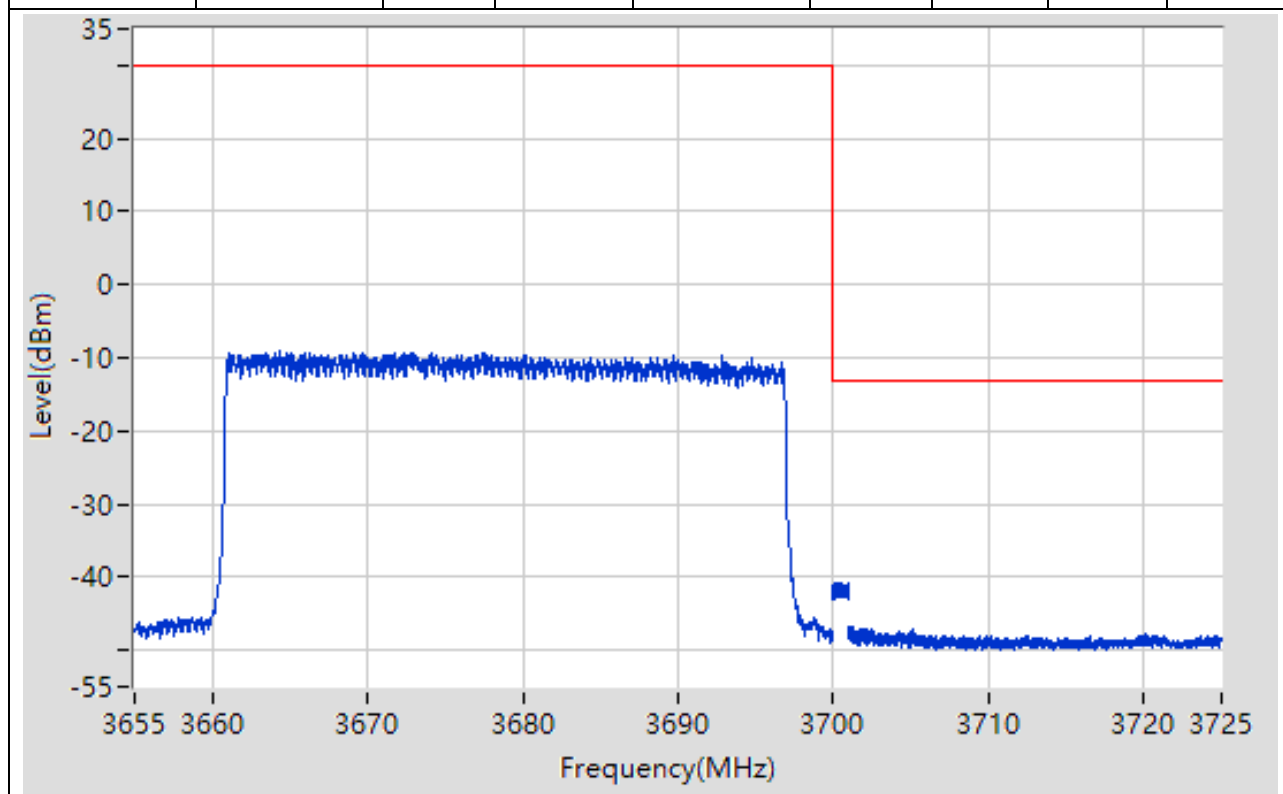
**58.15. Band Edge for SA\_IC(NTNV)(Subtest:15, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:105)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.8          | 7.93        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700.003        | -28.99      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.6          | -47.51      | -13         | Pass    | 601         |



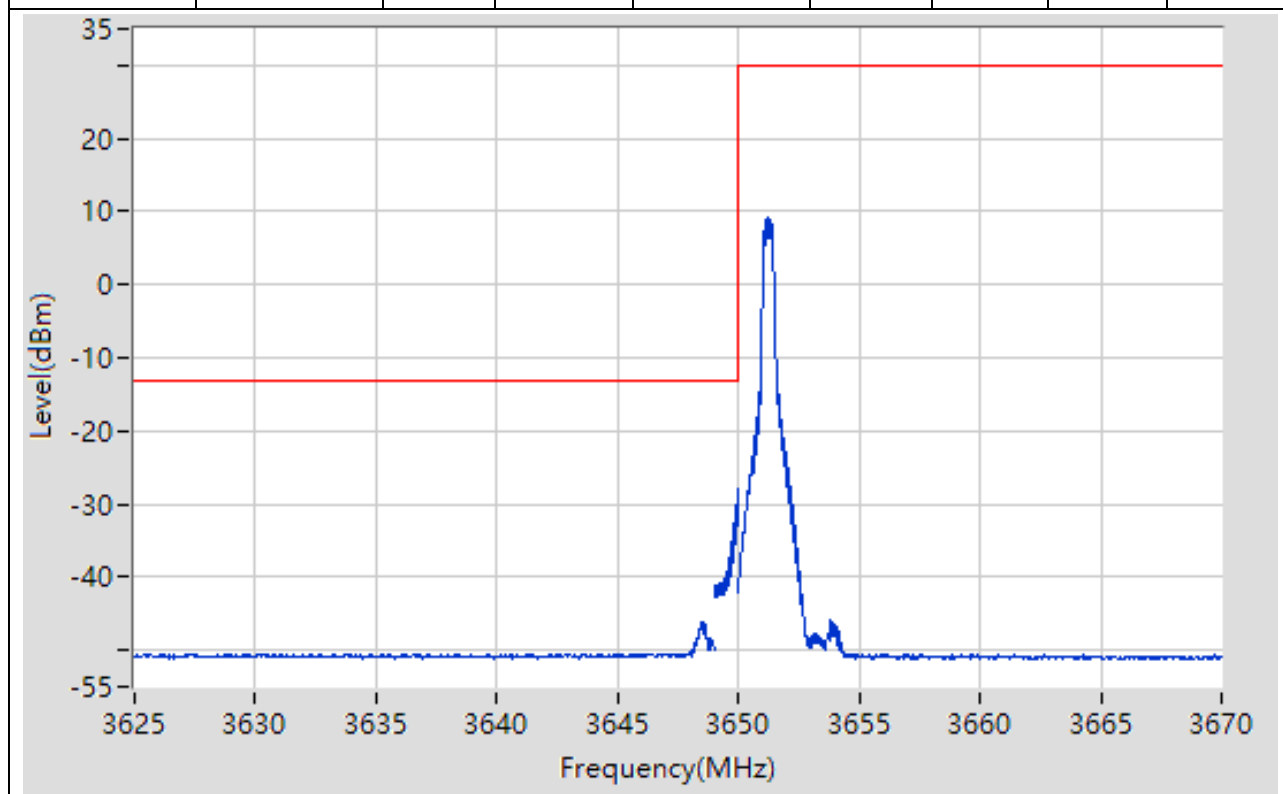
**58.16. Band Edge for SA\_IC(NTNV)(Subtest:16, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3664.3          | -9.07       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700.312        | -40.82      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701            | -46.81      | -13         | Pass    | 601         |



**58.17. Band Edge for SA\_IC(NTNV)(Subtest:17, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

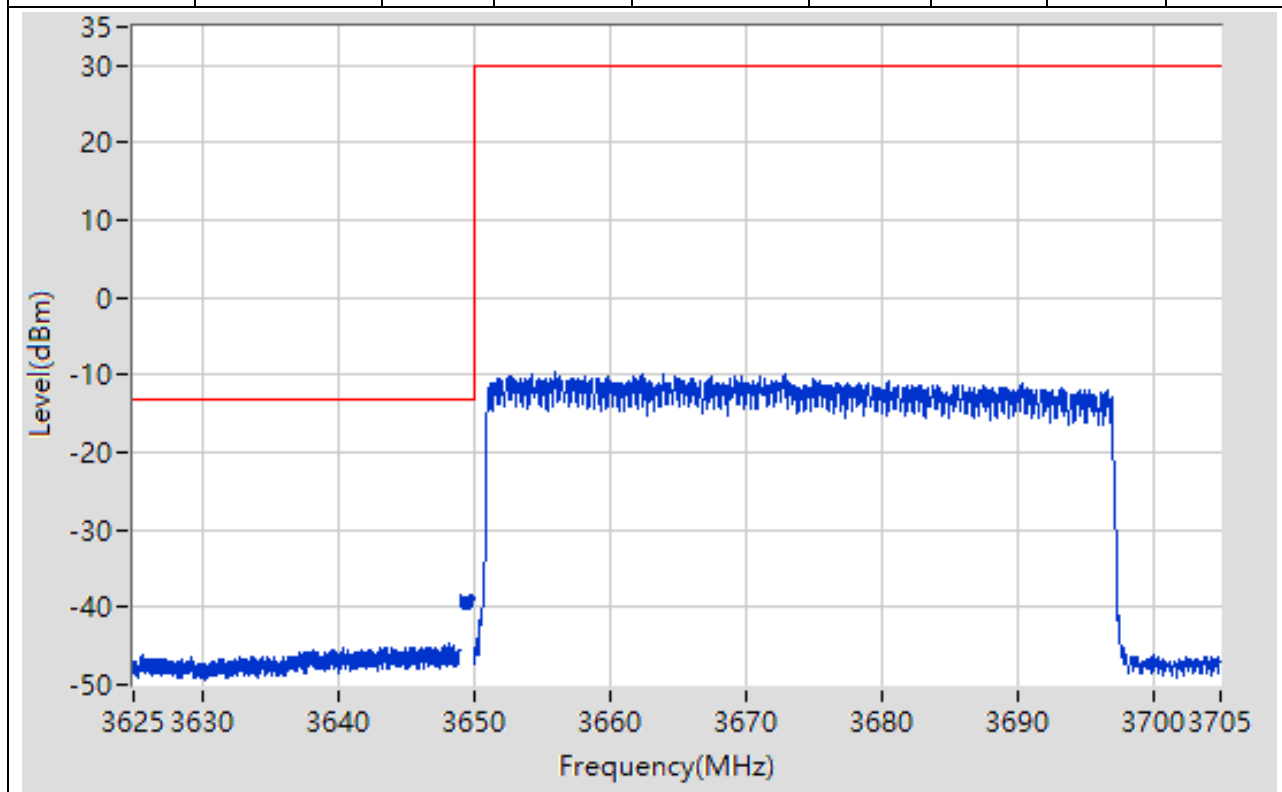
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.48         | -46.18      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.51      | RMS      | 3650            | -28.09      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3651.233        | 9.06        | 30          | Pass    | 601         |





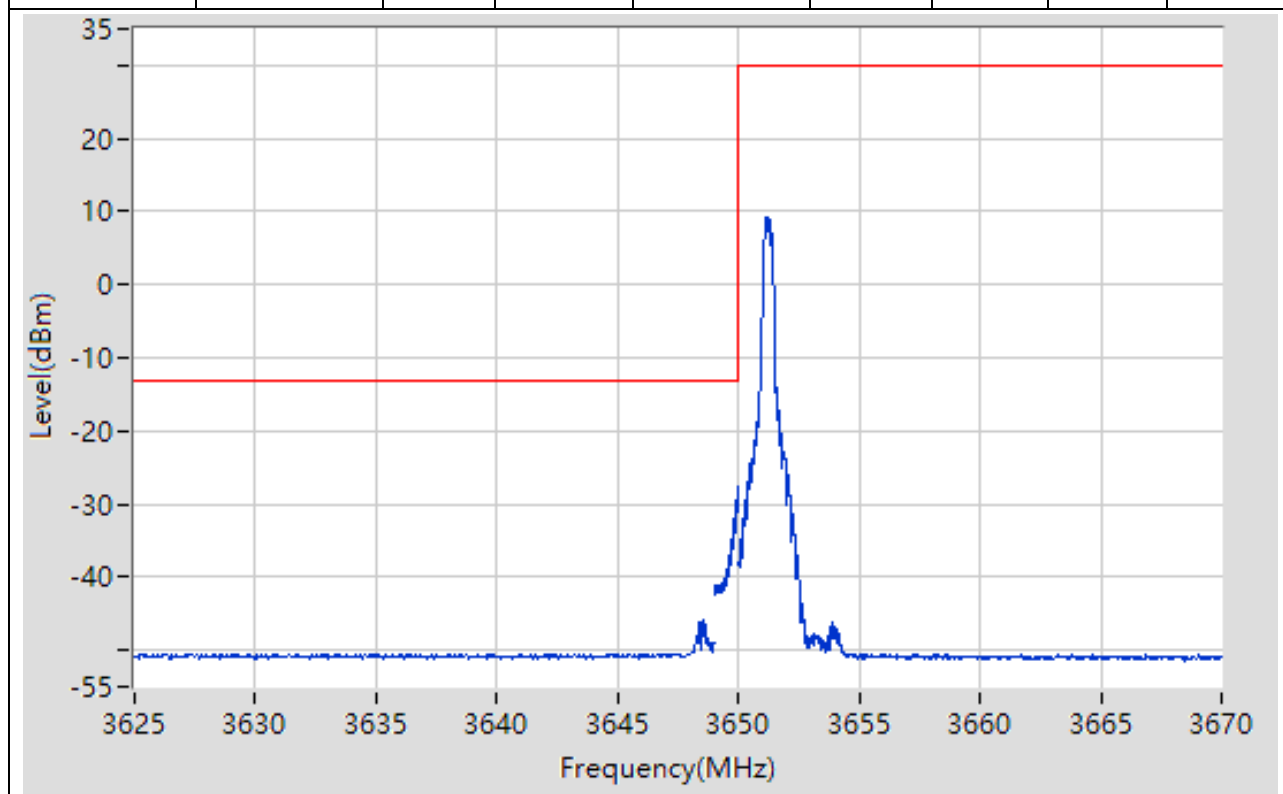
**58.18. Band Edge for SA\_IC(NTNV)(Subtest:18, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.28         | -44.7       | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.51      | RMS      | 3649.982        | -38.28      | -13         | Pass    | 601         |
| 3650                  | 3705                 | 0.1       | RMS      | 3655.958        | -9.63       | 30          | Pass    | 601         |



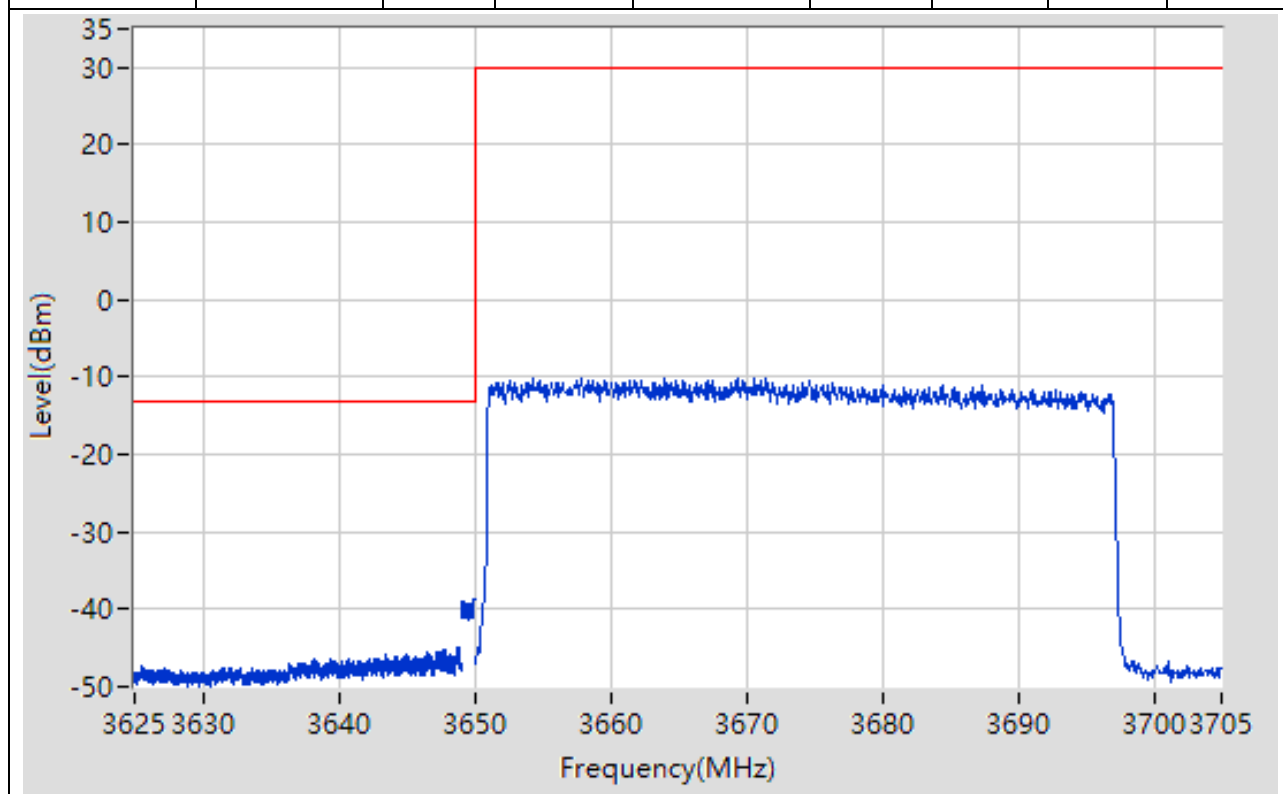
**58.19. Band Edge for SA\_IC(NTNV)(Subtest:19, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.52         | -46.01      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.51      | RMS      | 3650            | -27.68      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3651.2          | 9.32        | 30          | Pass    | 601         |



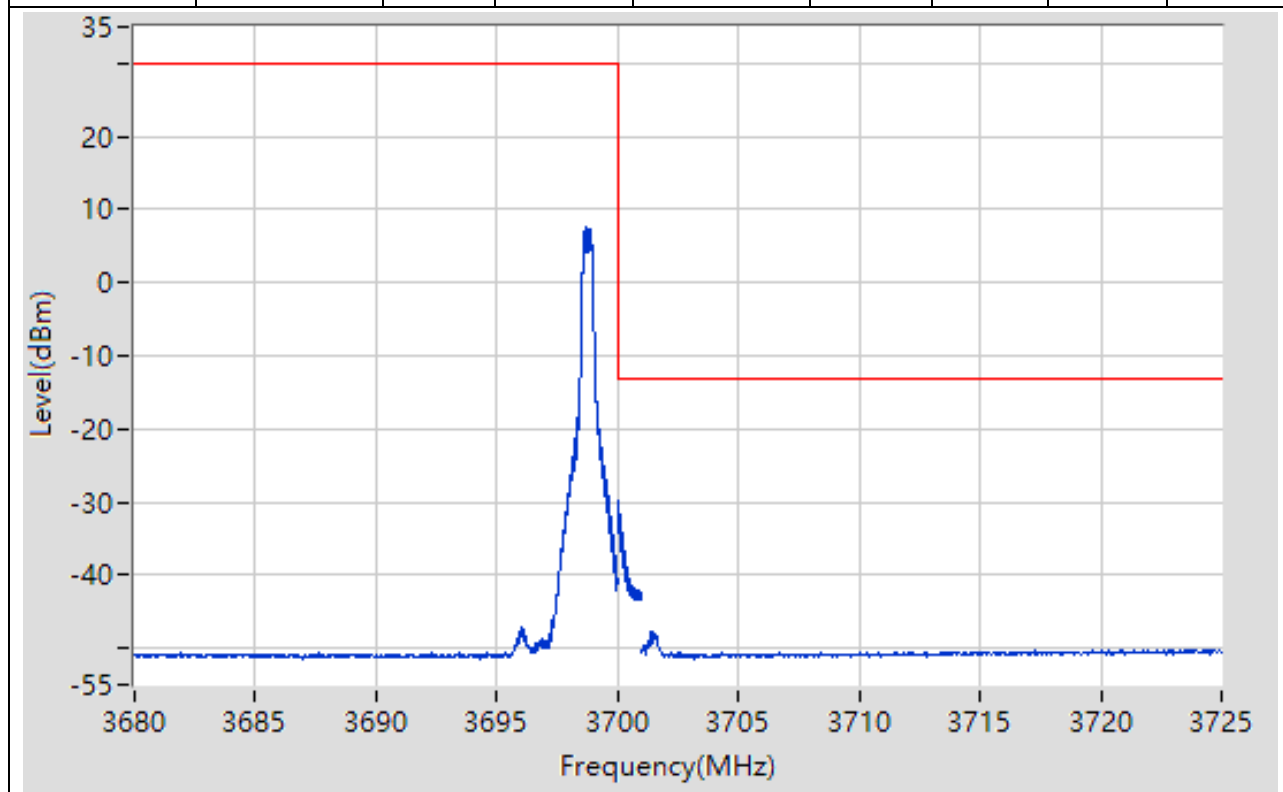
**58.20. Band Edge for SA\_IC(NTNV)(Subtest:20, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.8          | -44.97      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.51      | RMS      | 3649.988        | -38.76      | -13         | Pass    | 601         |
| 3650                  | 3705                 | 0.1       | RMS      | 3657.883        | -10.04      | 30          | Pass    | 601         |



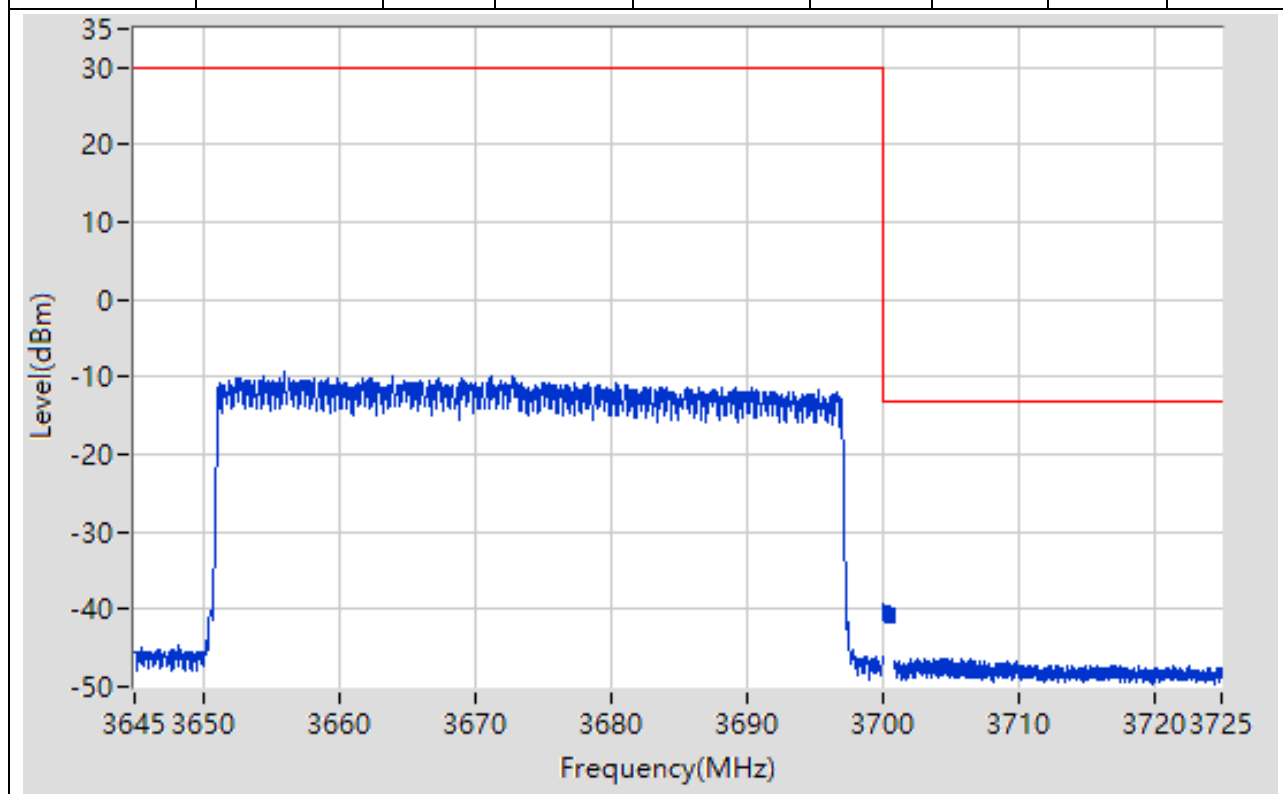
**58.21. Band Edge for SA\_IC(NTNV)(Subtest:21, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.733        | 7.57        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.51      | RMS      | 3700.002        | -29.84      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.44         | -47.64      | -13         | Pass    | 601         |



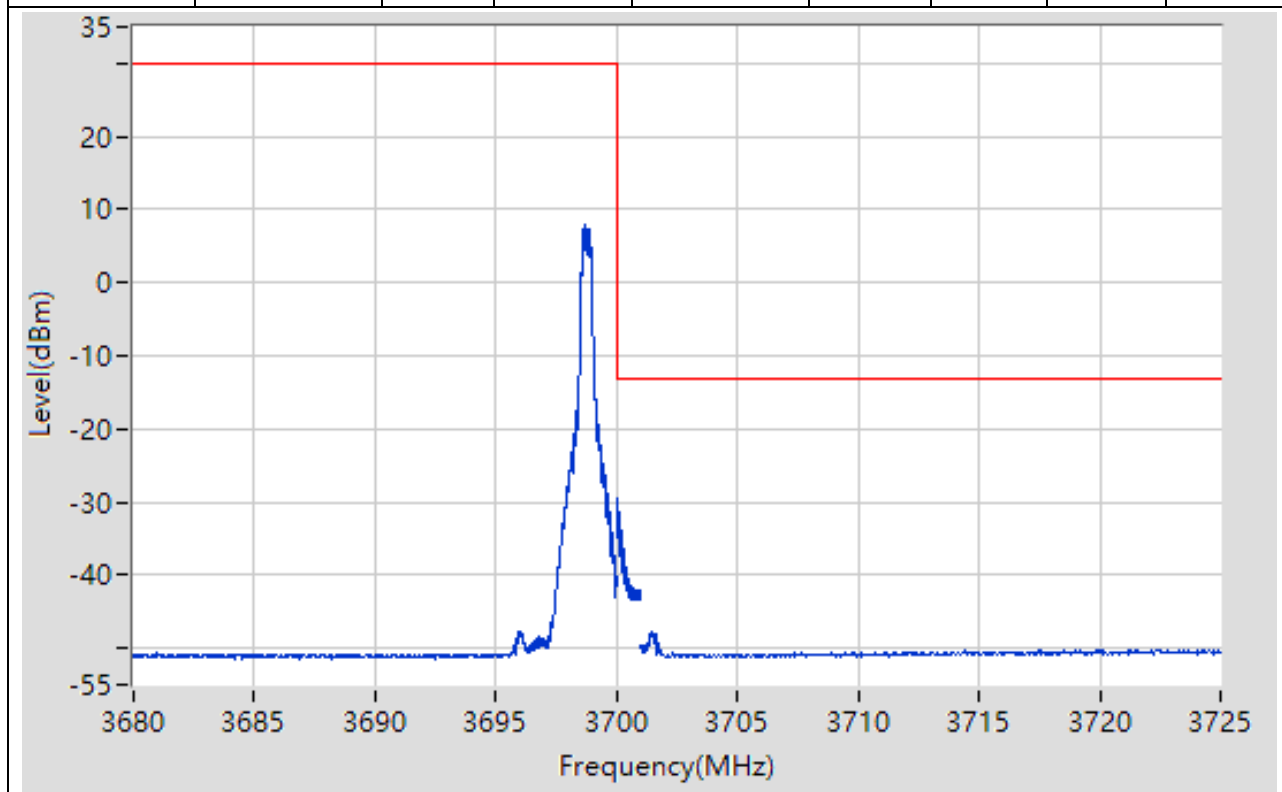
**58.22. Band Edge for SA\_IC(NTNV)(Subtest:22, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3645                  | 3700                 | 0.1       | RMS      | 3656            | -9.29       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.51      | RMS      | 3700.155        | -39.39      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3704.56         | -46.35      | -13         | Pass    | 601         |



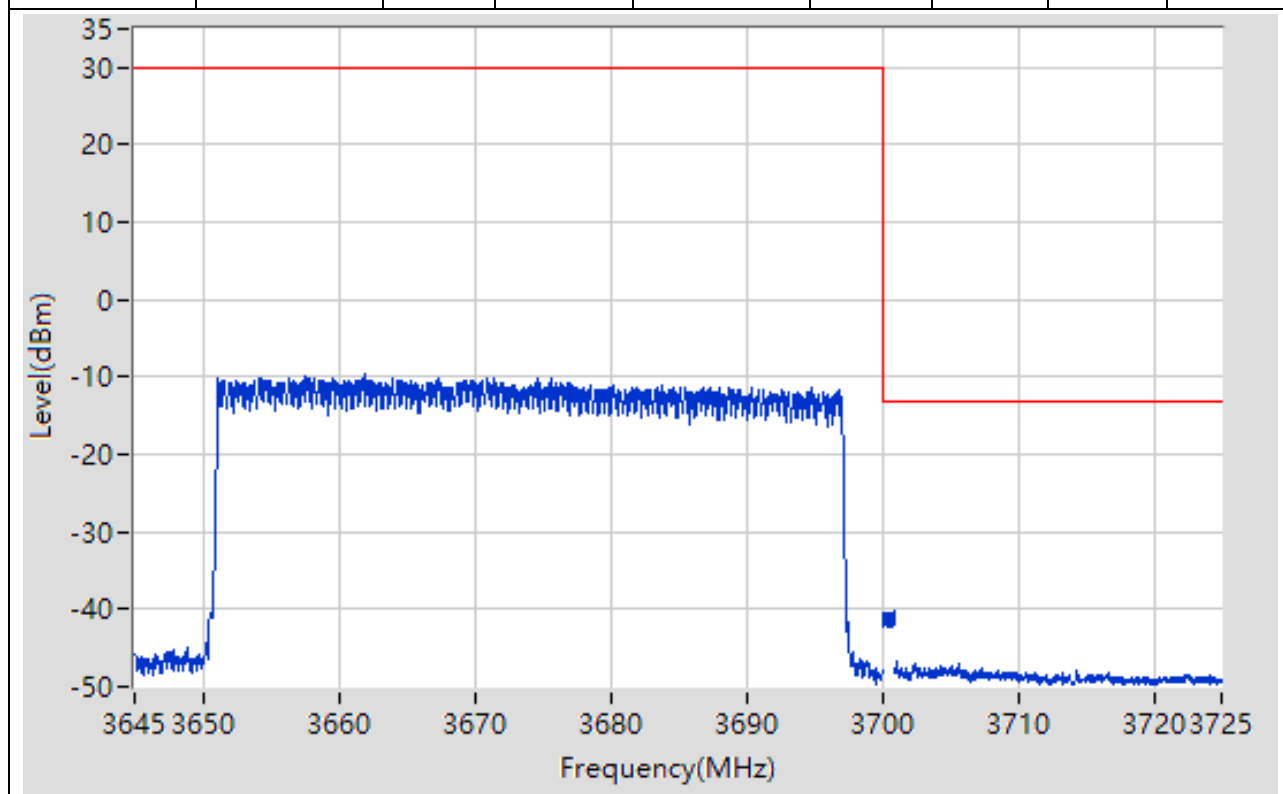
**58.23. Band Edge for SA\_IC(NTNV)(Subtest:23, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.7          | 7.78        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.51      | RMS      | 3700            | -29.42      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.44         | -47.75      | -13         | Pass    | 601         |



**58.24. Band Edge for SA\_IC(NTNV)(Subtest:24, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

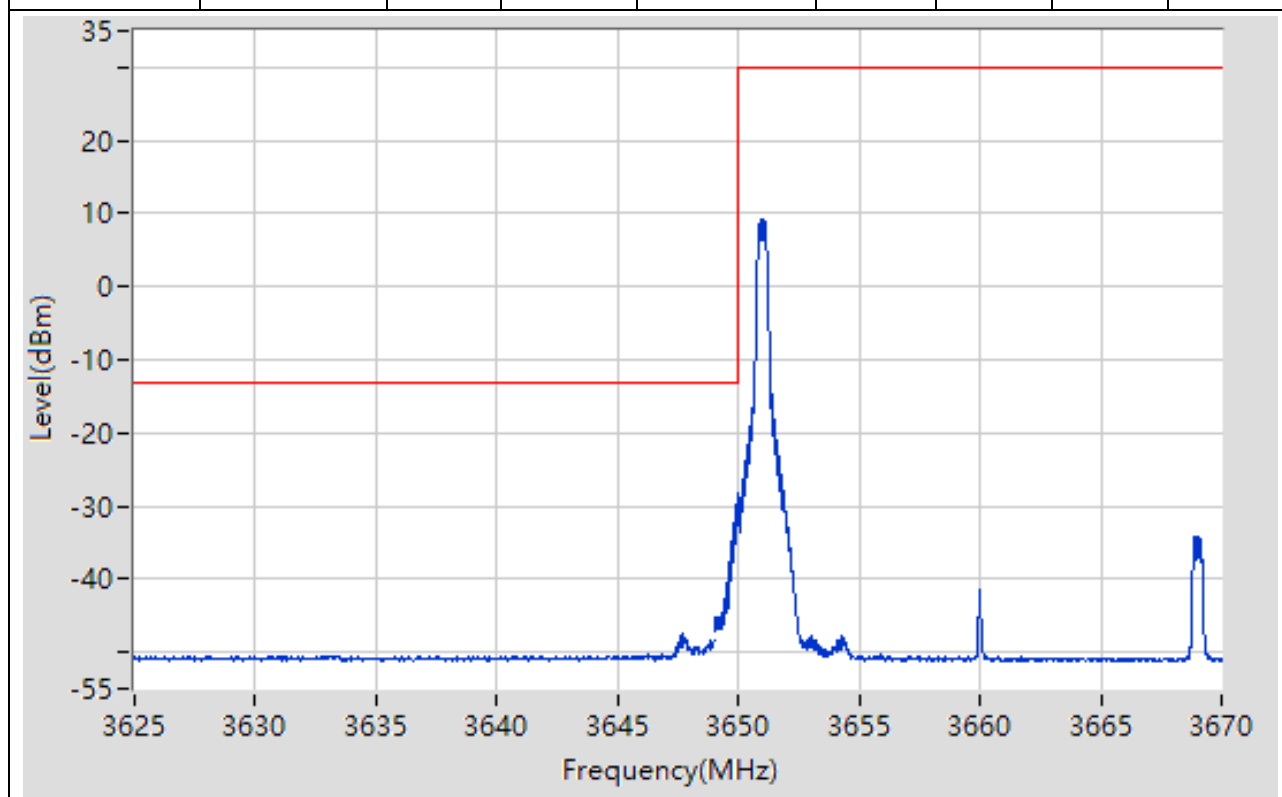
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3645                  | 3700                 | 0.1       | RMS      | 3661.867        | -9.72       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.51      | RMS      | 3700.977        | -40.3       | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.08         | -46.85      | -13         | Pass    | 601         |



## 59. n78 30kHz(3650-3700MHz) \_MIMO-ANT4

59.1. Band Edge for SA\_IC(NTNV)(Subtest:1, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)

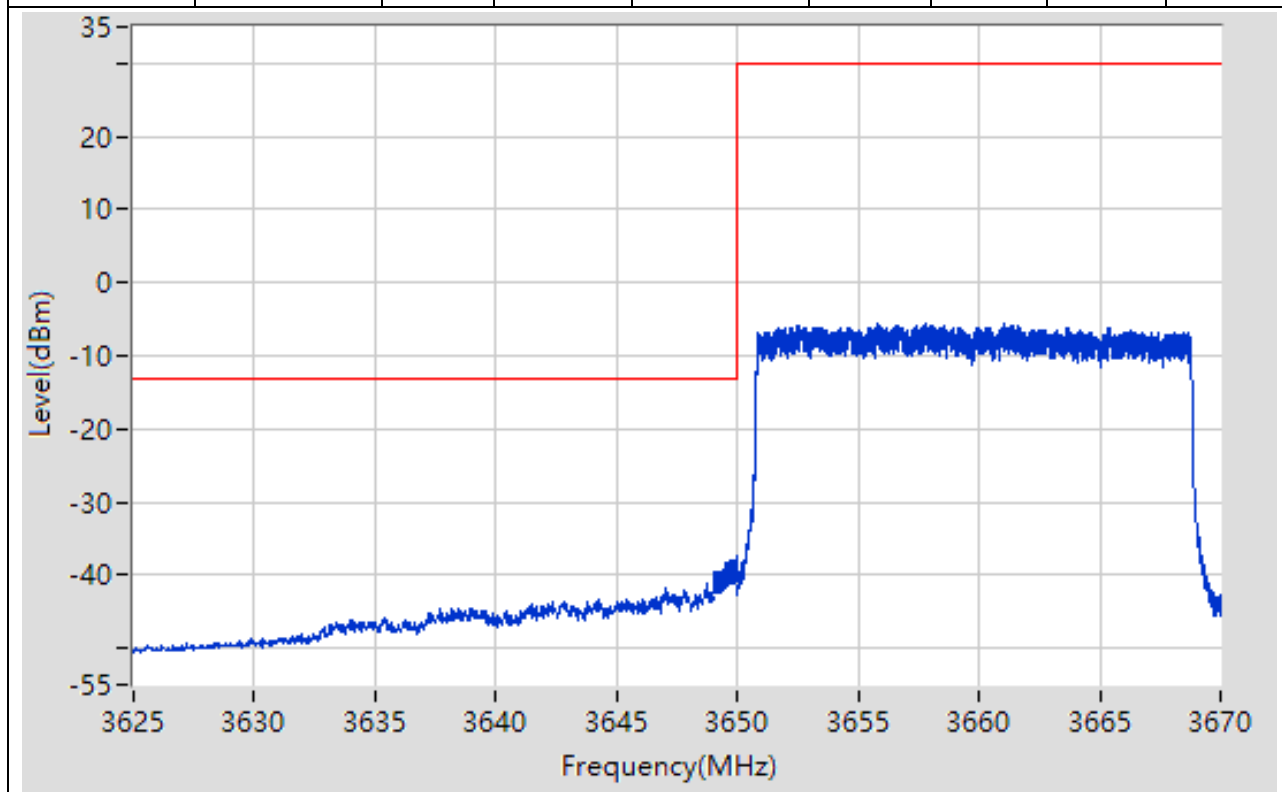
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.68         | -47.46      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3649.997        | -28.17      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3650.967        | 9.18        | 30          | Pass    | 601         |





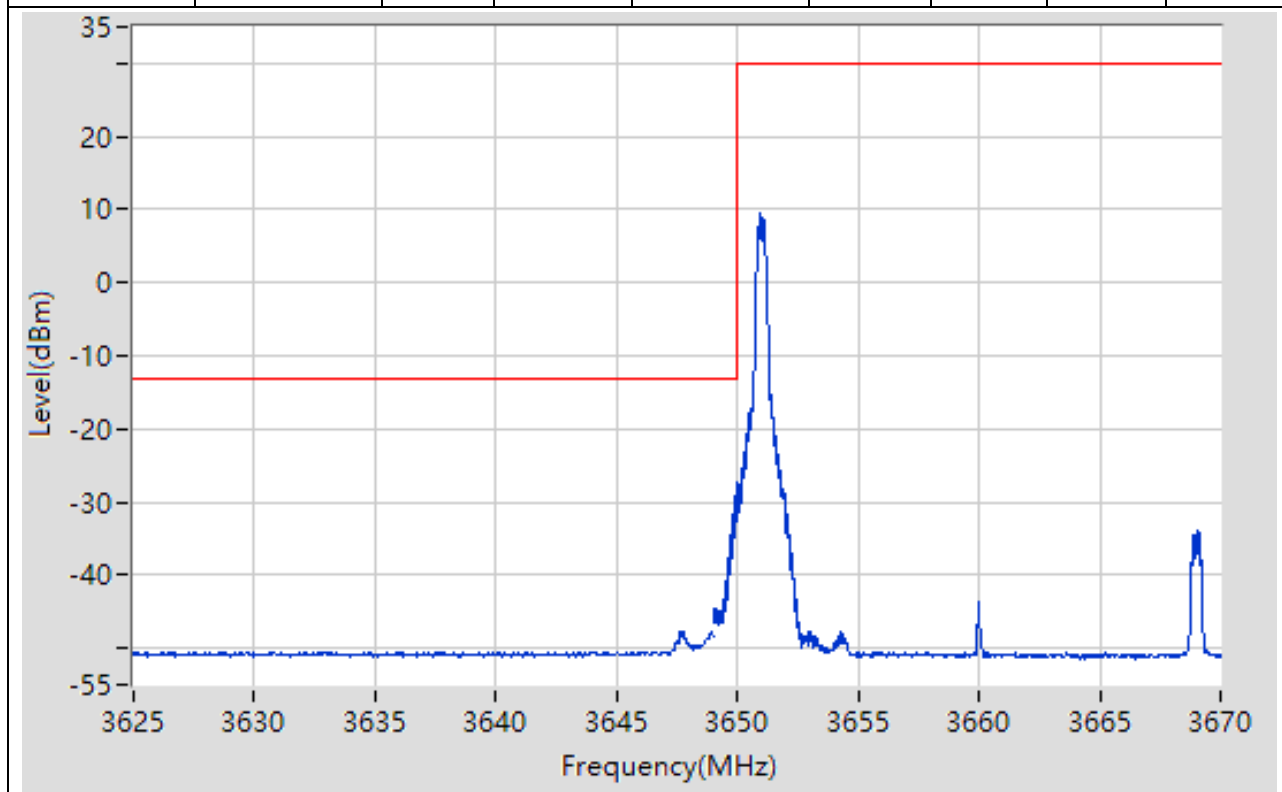
**59.2. Band Edge for SA\_IC(NTNV)(Subtest:2, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.72         | -41.25      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3650            | -37.25      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3657.767        | -5.68       | 30          | Pass    | 601         |



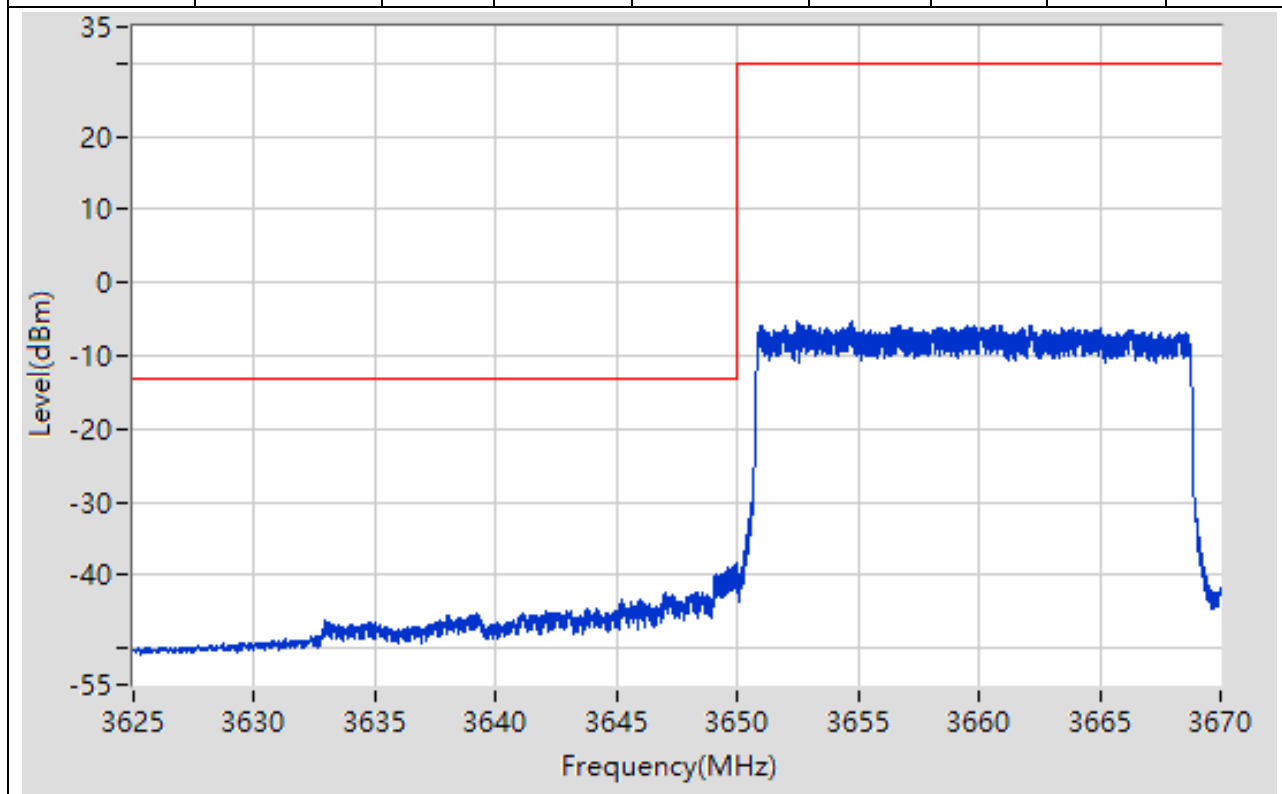
**59.3. Band Edge for SA\_IC(NTNV)(Subtest:3, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.72         | -47.68      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3650            | -27.33      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3650.933        | 9.47        | 30          | Pass    | 601         |



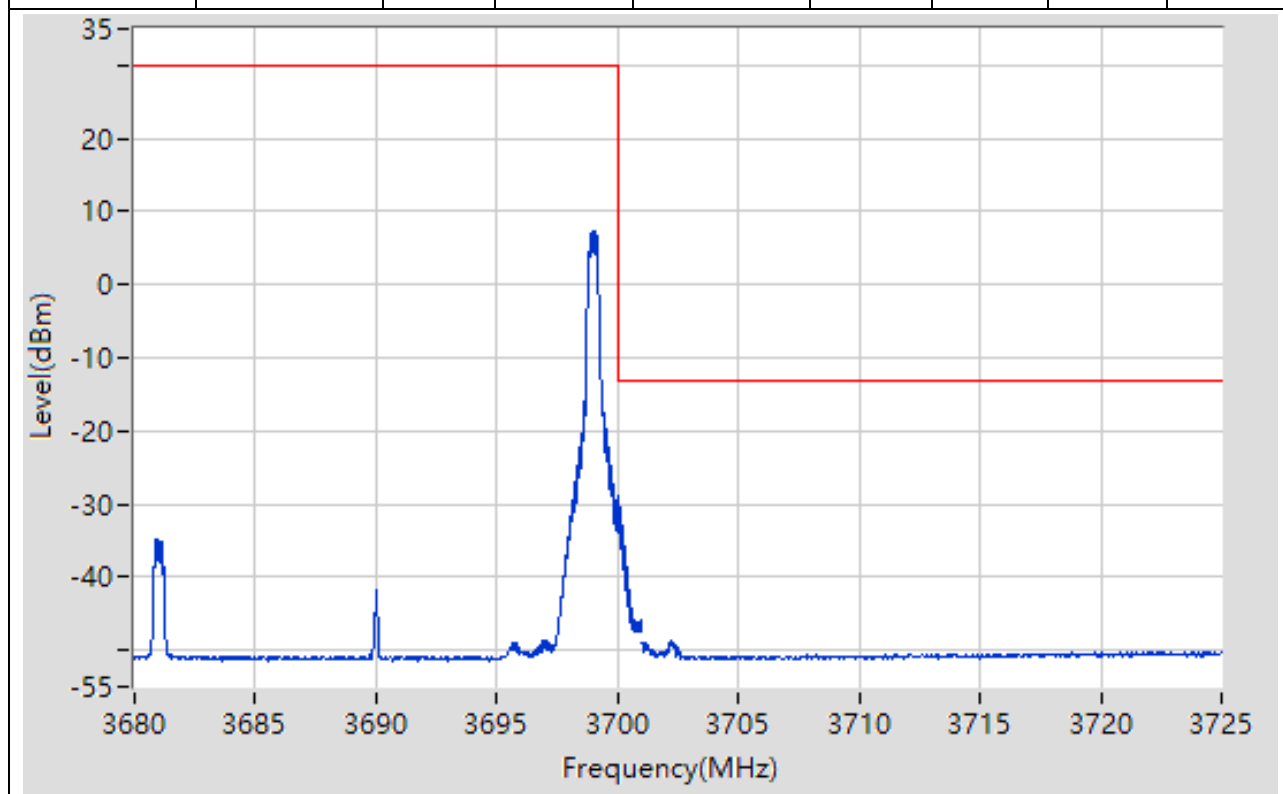
**59.4. Band Edge for SA\_IC(NTNV)(Subtest:4, Channel:644000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647            | -42.29      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.2       | RMS      | 3649.995        | -38.2       | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3654.7          | -5.17       | 30          | Pass    | 601         |



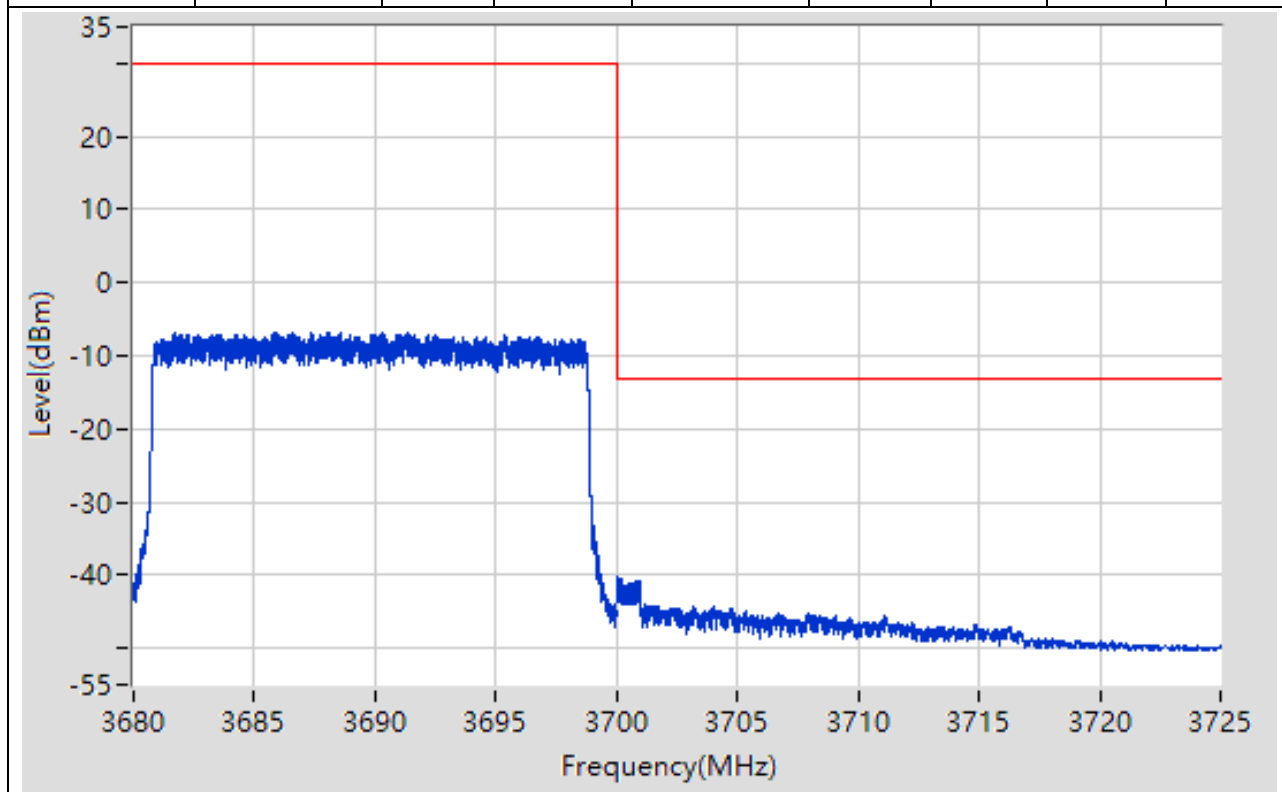
**59.5. Band Edge for SA\_IC(NTNV)(Subtest:5, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3699.033        | 7.4         | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.002        | -28.87      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.2          | -48.84      | -13         | Pass    | 601         |



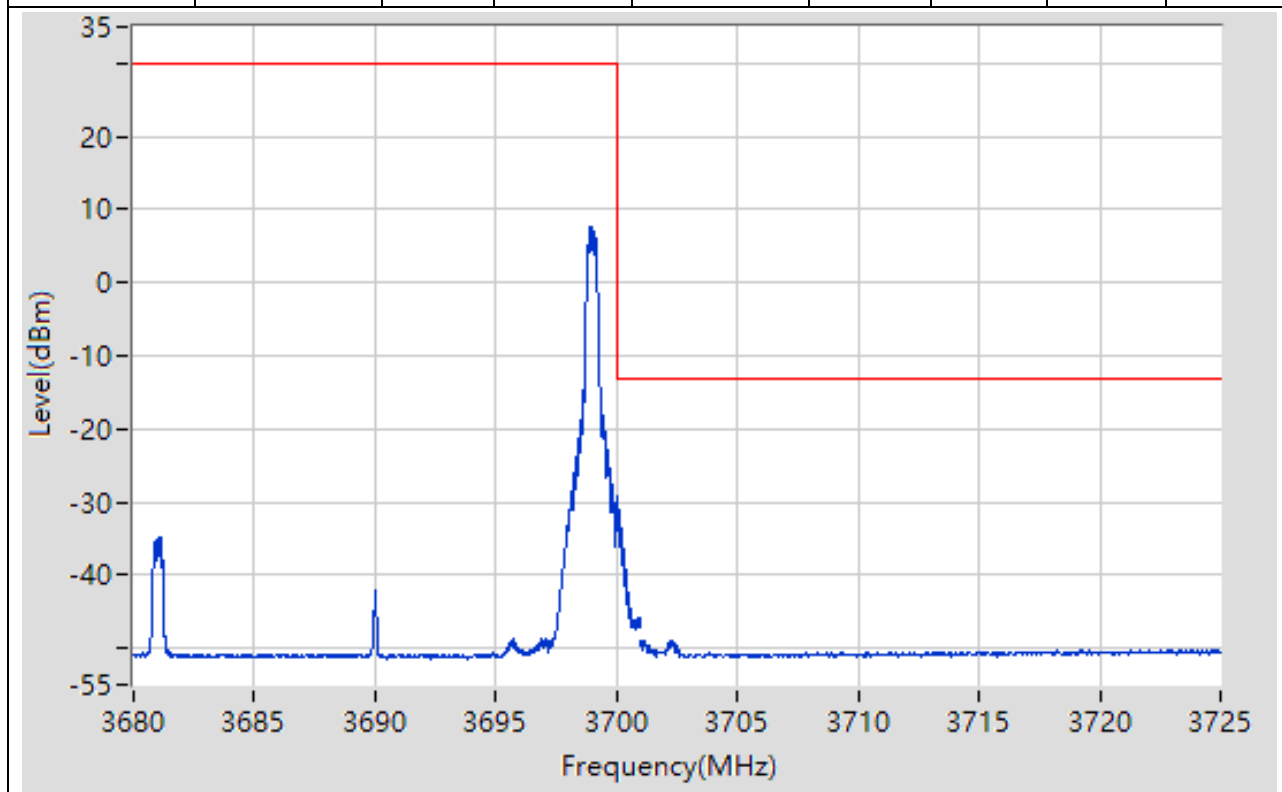
**59.6. Band Edge for SA\_IC(NTNV)(Subtest:6, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3688.533        | -6.7        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.033        | -40.12      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.2          | -44.09      | -13         | Pass    | 601         |



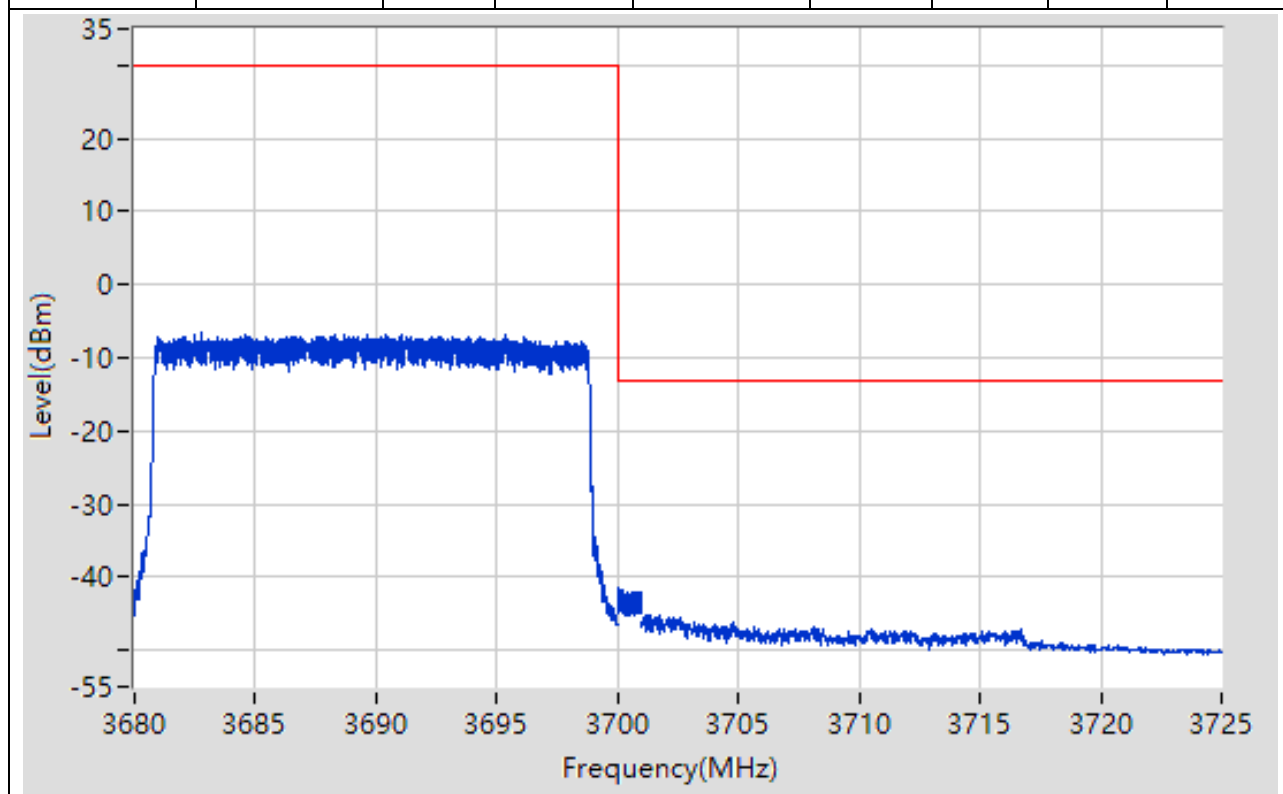
**59.7. Band Edge for SA\_IC(NTNV)(Subtest:7, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.933        | 7.62        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.002        | -29.27      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.28         | -48.94      | -13         | Pass    | 601         |



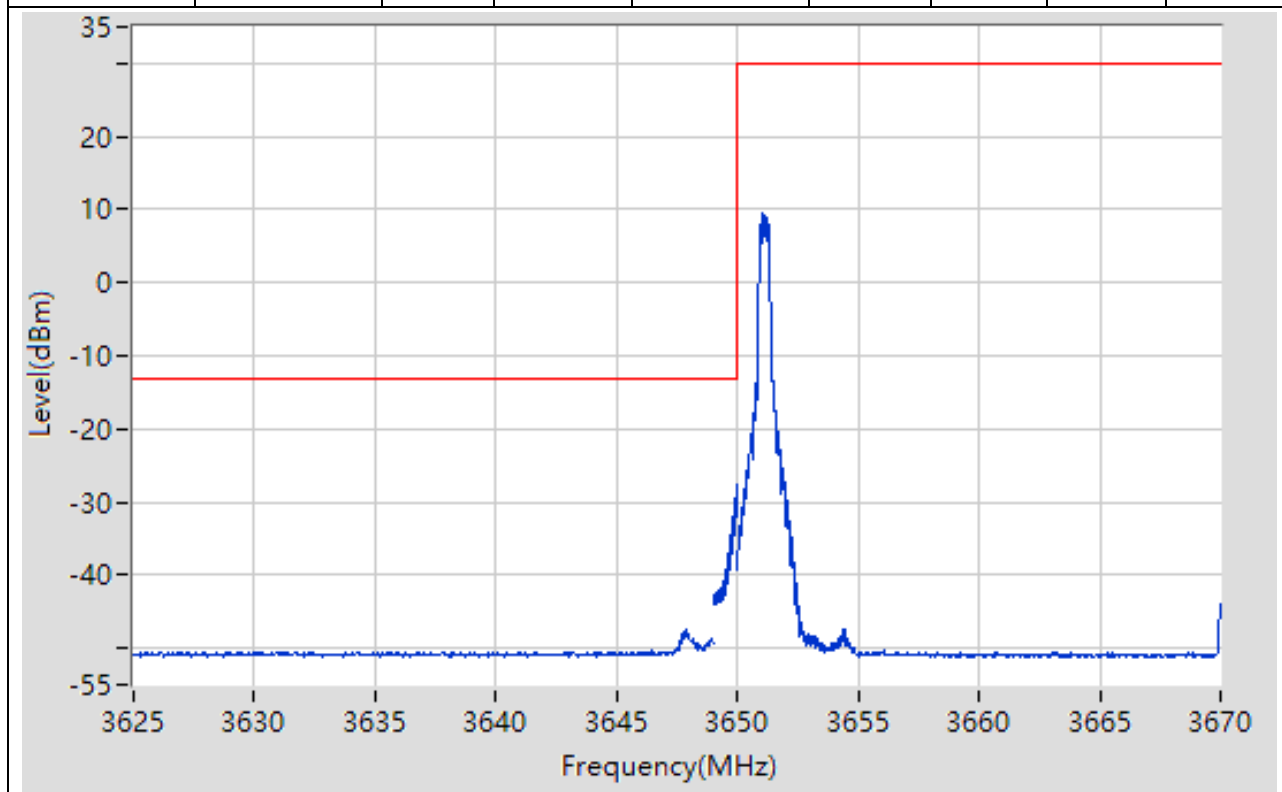
**59.8. Band Edge for SA\_IC(NTNV)(Subtest:8, Channel:646000, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3682.767        | -6.63       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.2       | RMS      | 3700.02         | -41.47      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.16         | -45.3       | -13         | Pass    | 601         |



**59.9. Band Edge for SA\_IC(NTNV)(Subtest:9, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3647.84         | -47.44      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3649.997        | -27.56      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3651.067        | 9.37        | 30          | Pass    | 601         |

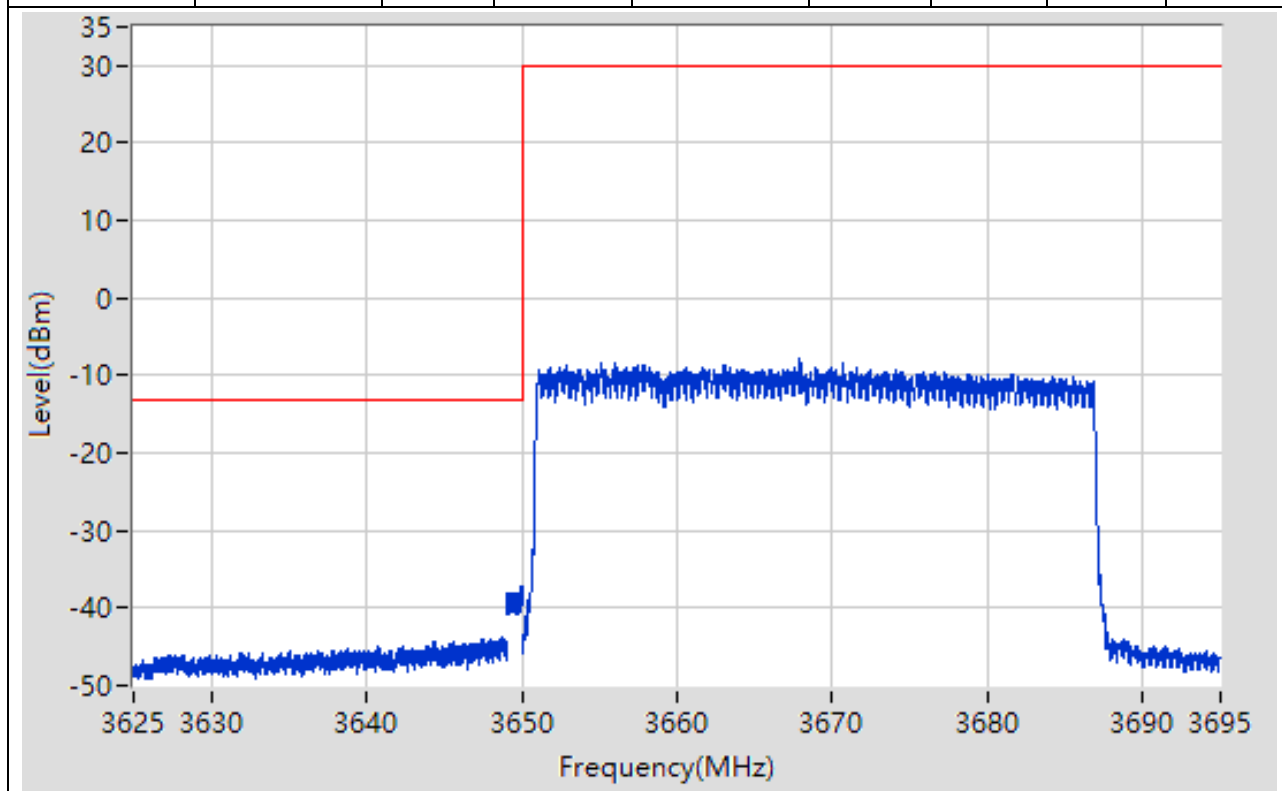






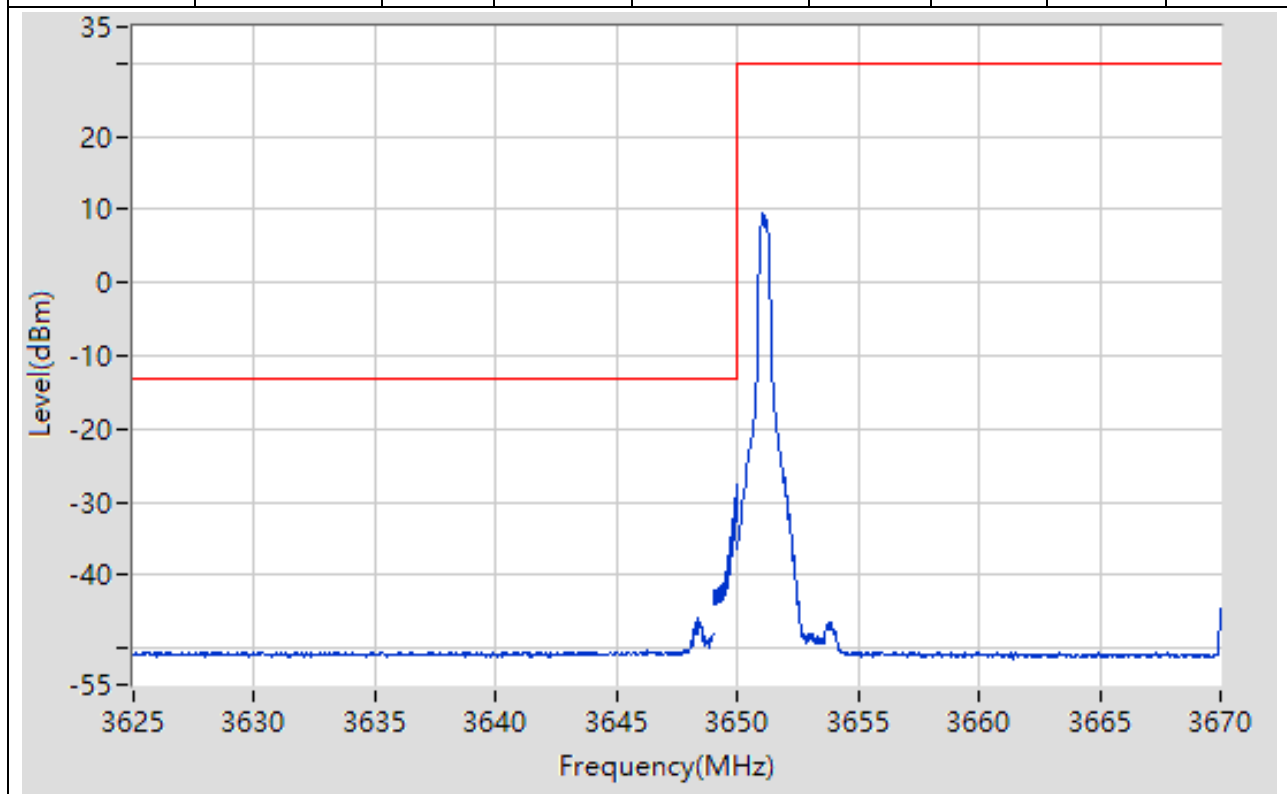
**59.10. Band Edge for SA\_IC(NTNV)(Subtest:10, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.8          | -43.68      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3650            | -37.14      | -13         | Pass    | 601         |
| 3650                  | 3695                 | 0.1       | RMS      | 3667.925        | -7.86       | 30          | Pass    | 601         |



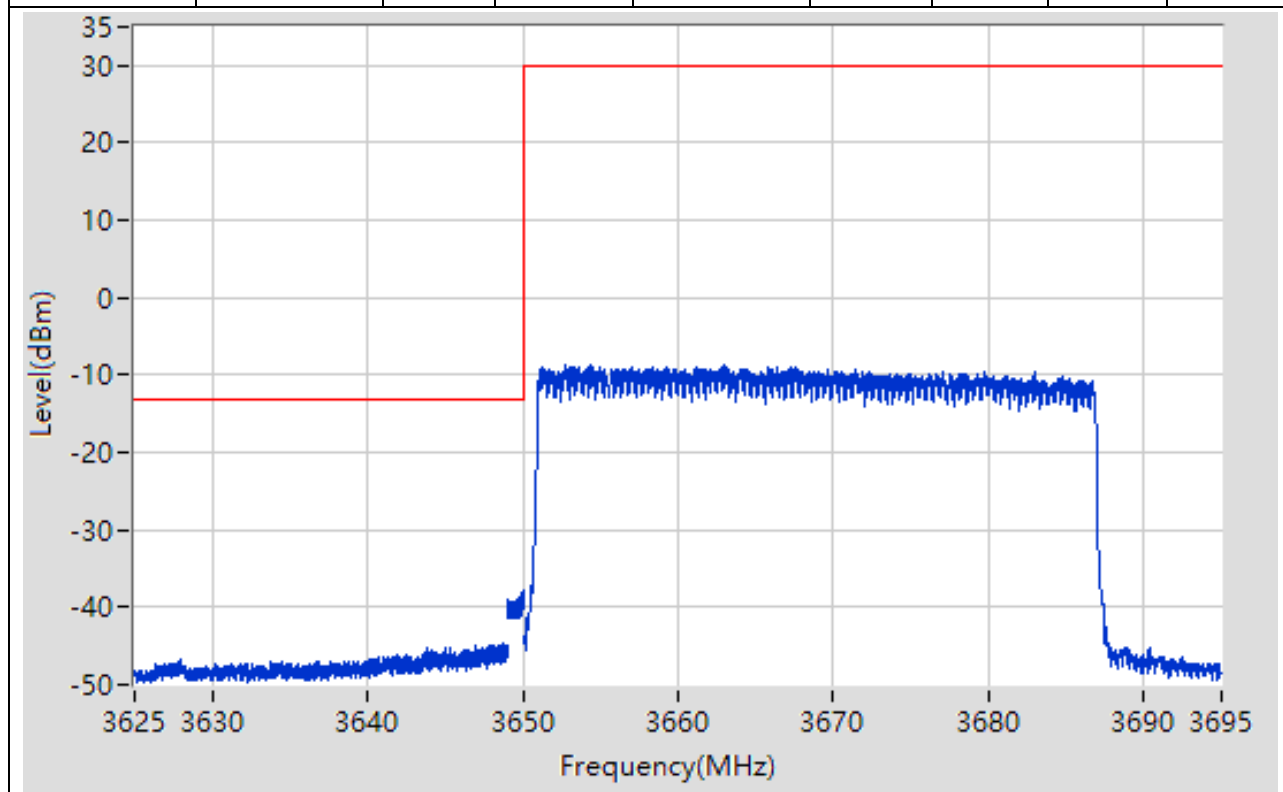
**59.11. Band Edge for SA\_IC(NTNV)(Subtest:11, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.36         | -45.9       | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3649.998        | -27.57      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3651.033        | 9.48        | 30          | Pass    | 601         |



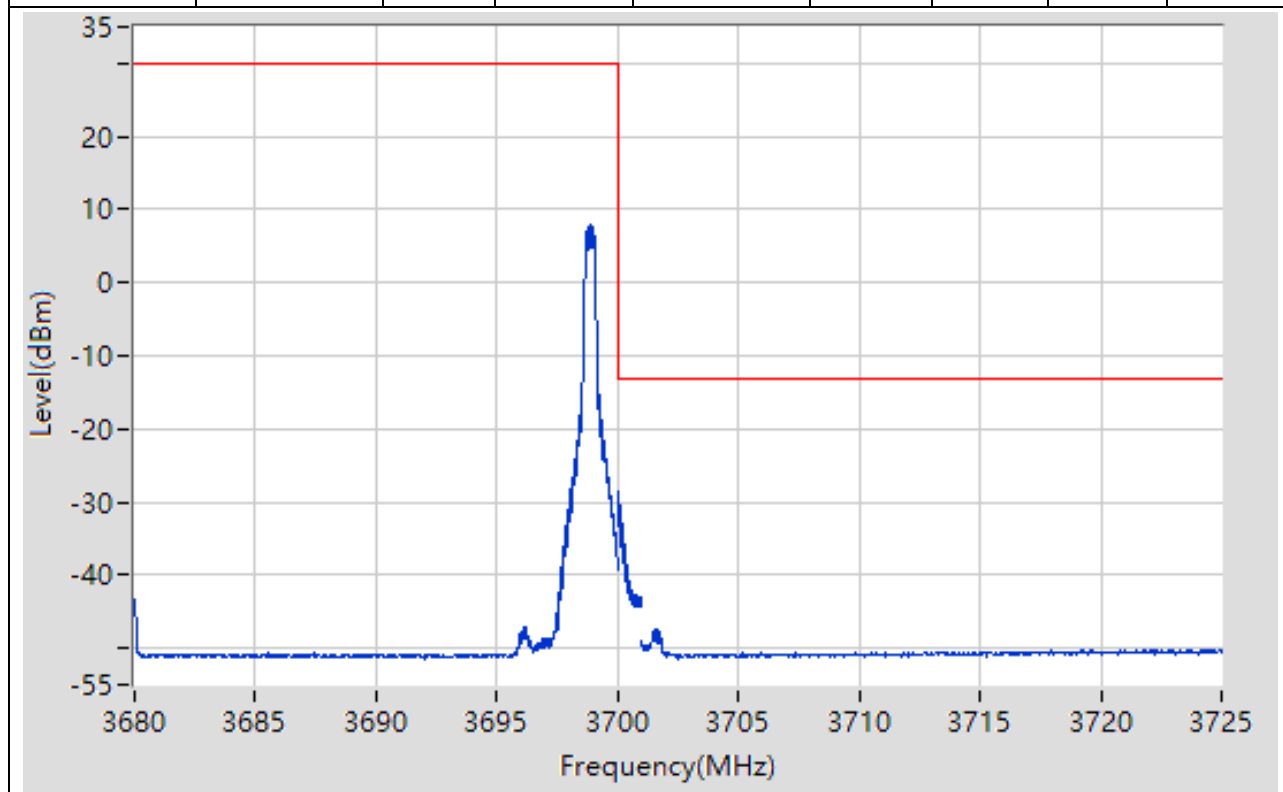
**59.12. Band Edge for SA\_IC(NTNV)(Subtest:12, Channel:644668, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.8          | -44.71      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.39      | RMS      | 3649.998        | -37.89      | -13         | Pass    | 601         |
| 3650                  | 3695                 | 0.1       | RMS      | 3654.35         | -8.62       | 30          | Pass    | 601         |



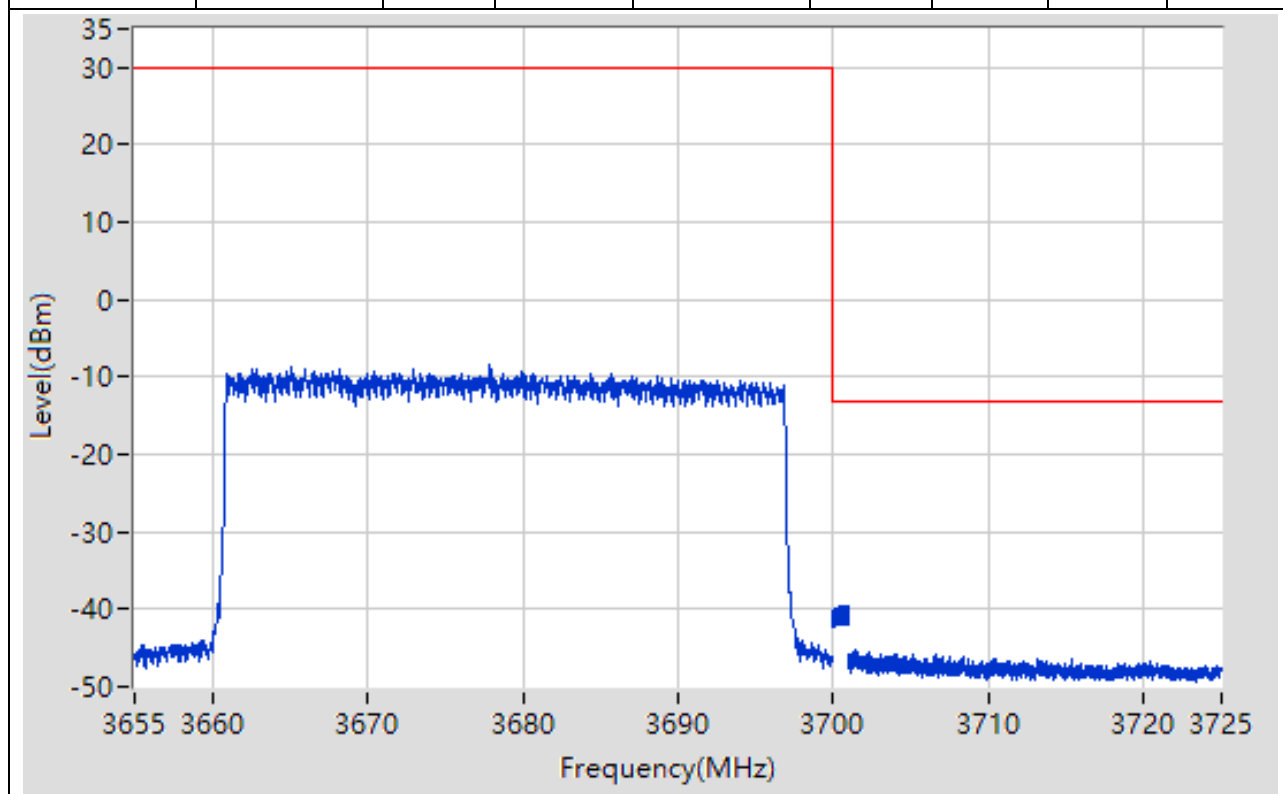
**59.13. Band Edge for SA\_IC(NTNV)(Subtest:13, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:105)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.833        | 7.83        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700            | -28.52      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.56         | -47.35      | -13         | Pass    | 601         |



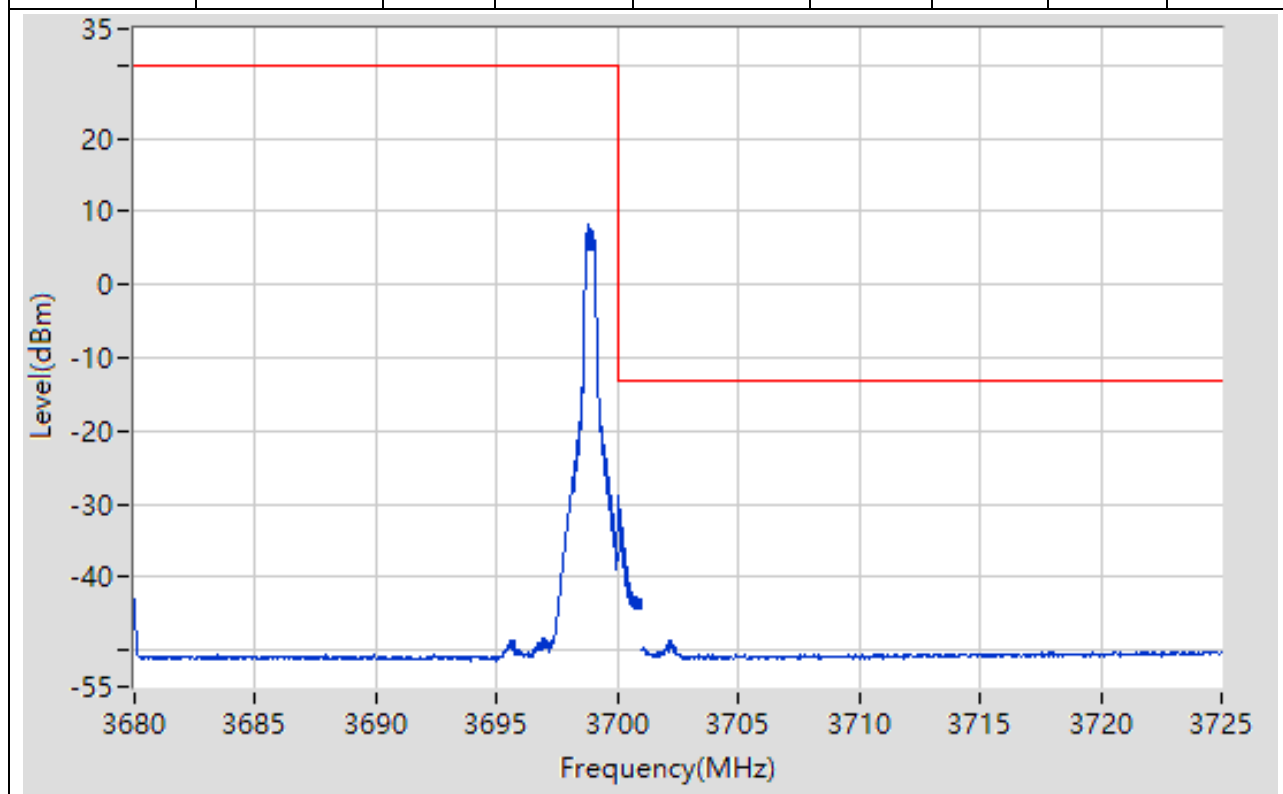
**59.14. Band Edge for SA\_IC(NTNV)(Subtest:14, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:106, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3677.875        | -8.28       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700.705        | -39.46      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.48         | -45.38      | -13         | Pass    | 601         |



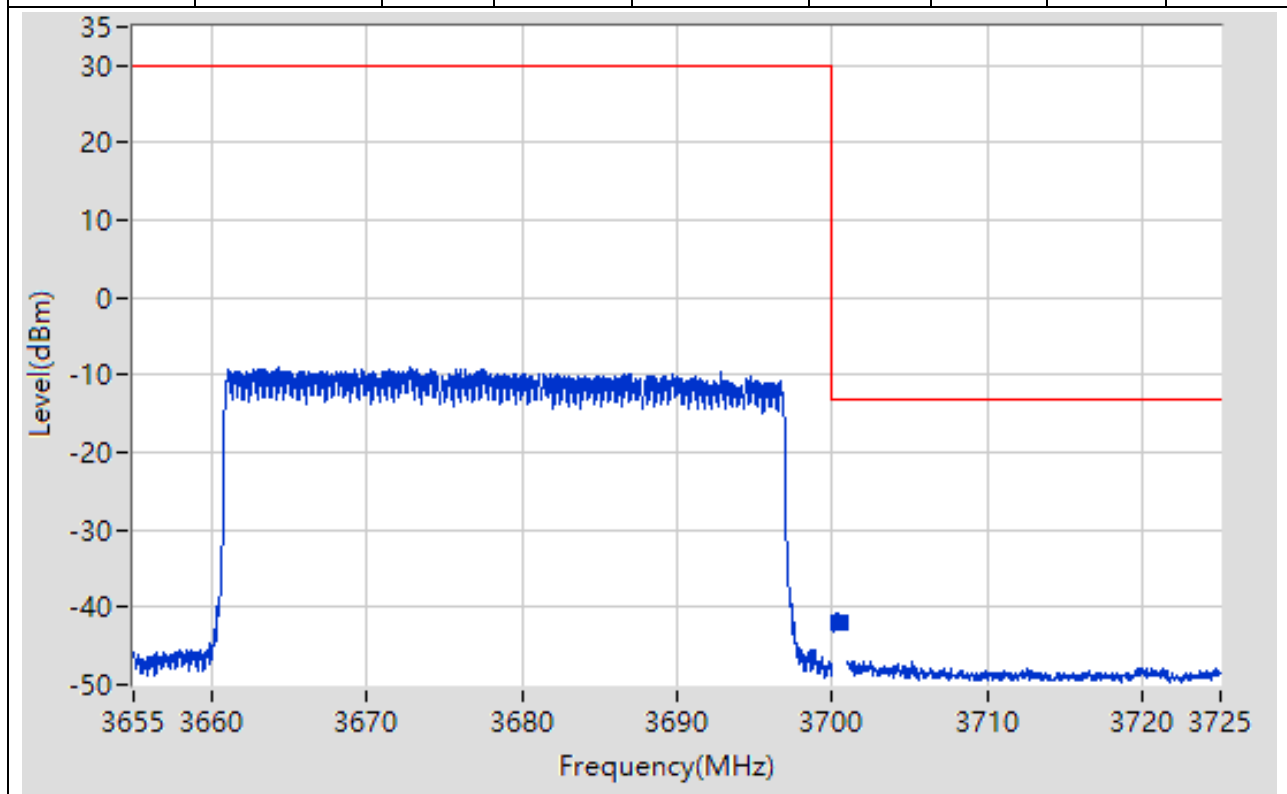
**59.15. Band Edge for SA\_IC(NTNV)(Subtest:15, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:105)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.8          | 8.13        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700            | -28.88      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.24         | -48.81      | -13         | Pass    | 601         |



**59.16. Band Edge for SA\_IC(NTNV)(Subtest:16, Channel:645332, Bandwidth:40, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:106, RB Position:0)**

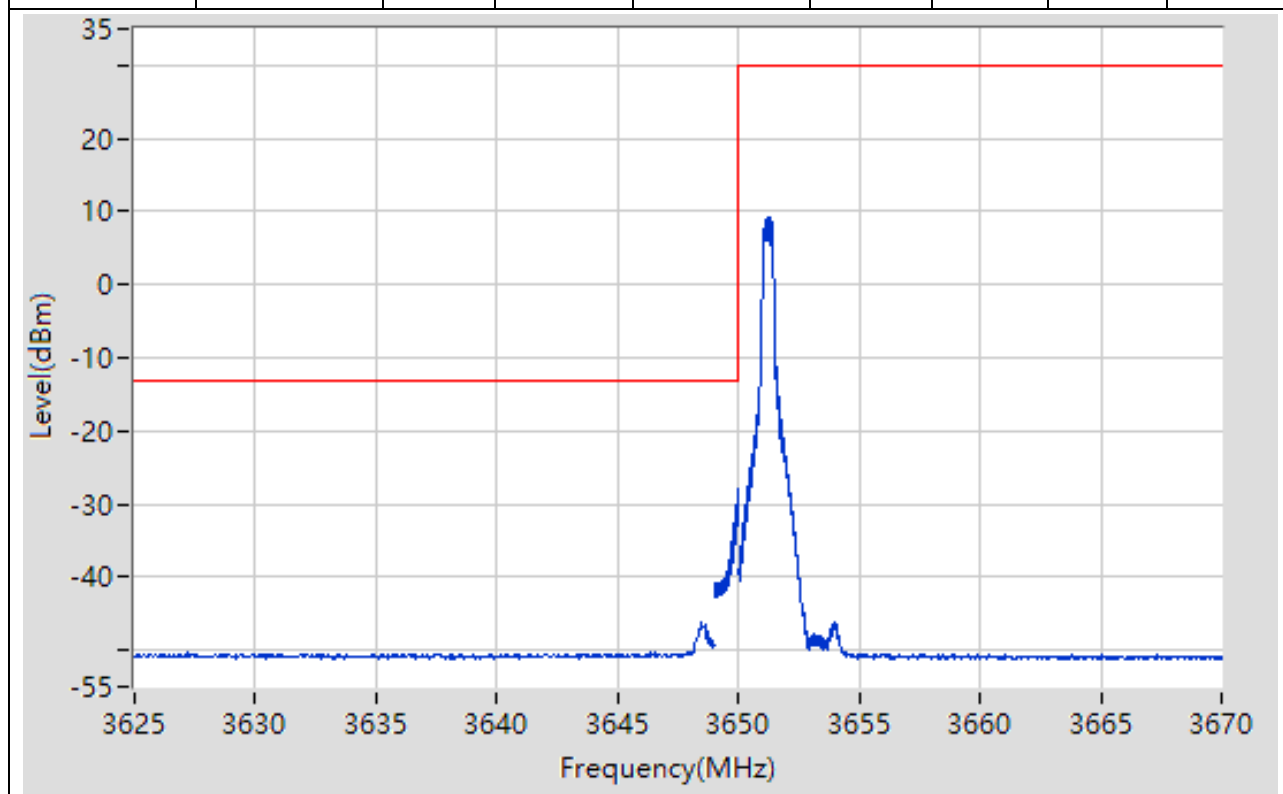
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3655                  | 3700                 | 0.1       | RMS      | 3664.3          | -8.95       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.39      | RMS      | 3700.342        | -40.78      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.96         | -47.04      | -13         | Pass    | 601         |





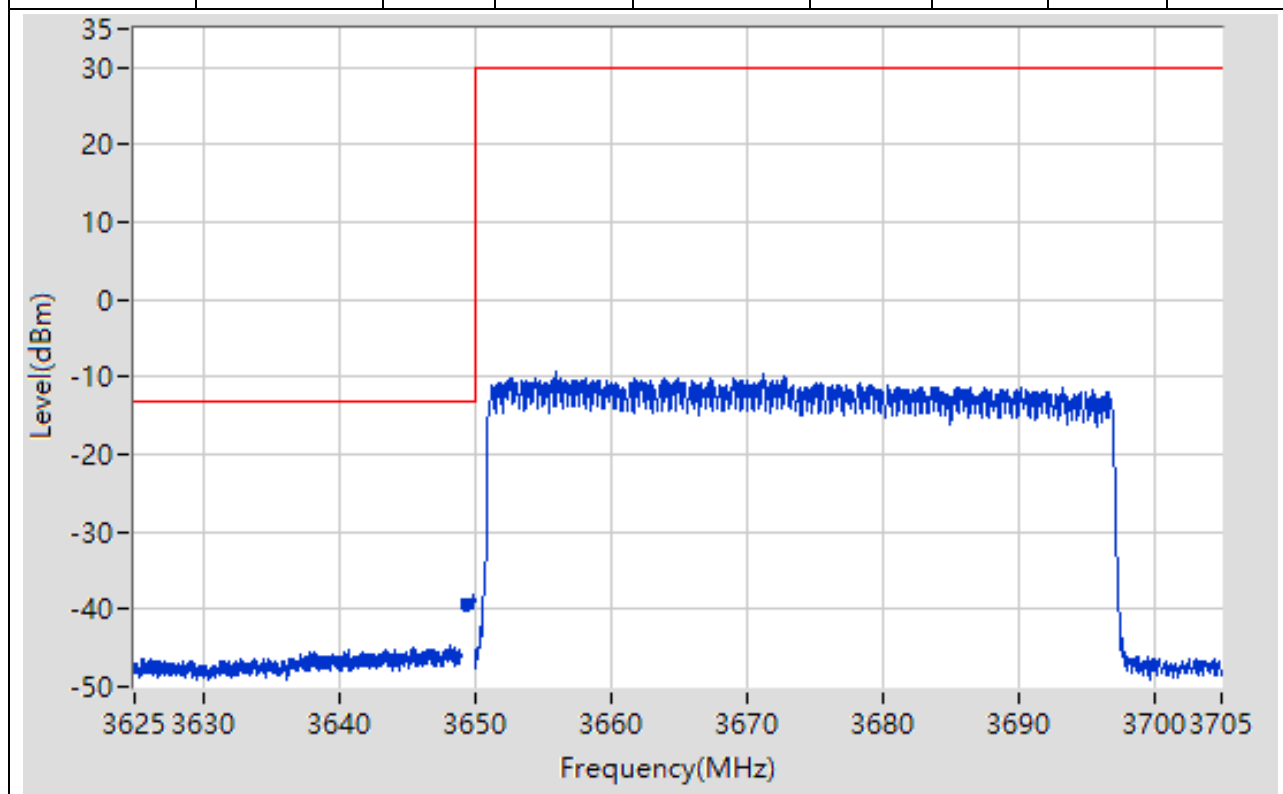
**59.17. Band Edge for SA\_IC(NTNV)(Subtest:17, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.48         | -46.03      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.51      | RMS      | 3650            | -28.03      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3651.267        | 9.17        | 30          | Pass    | 601         |



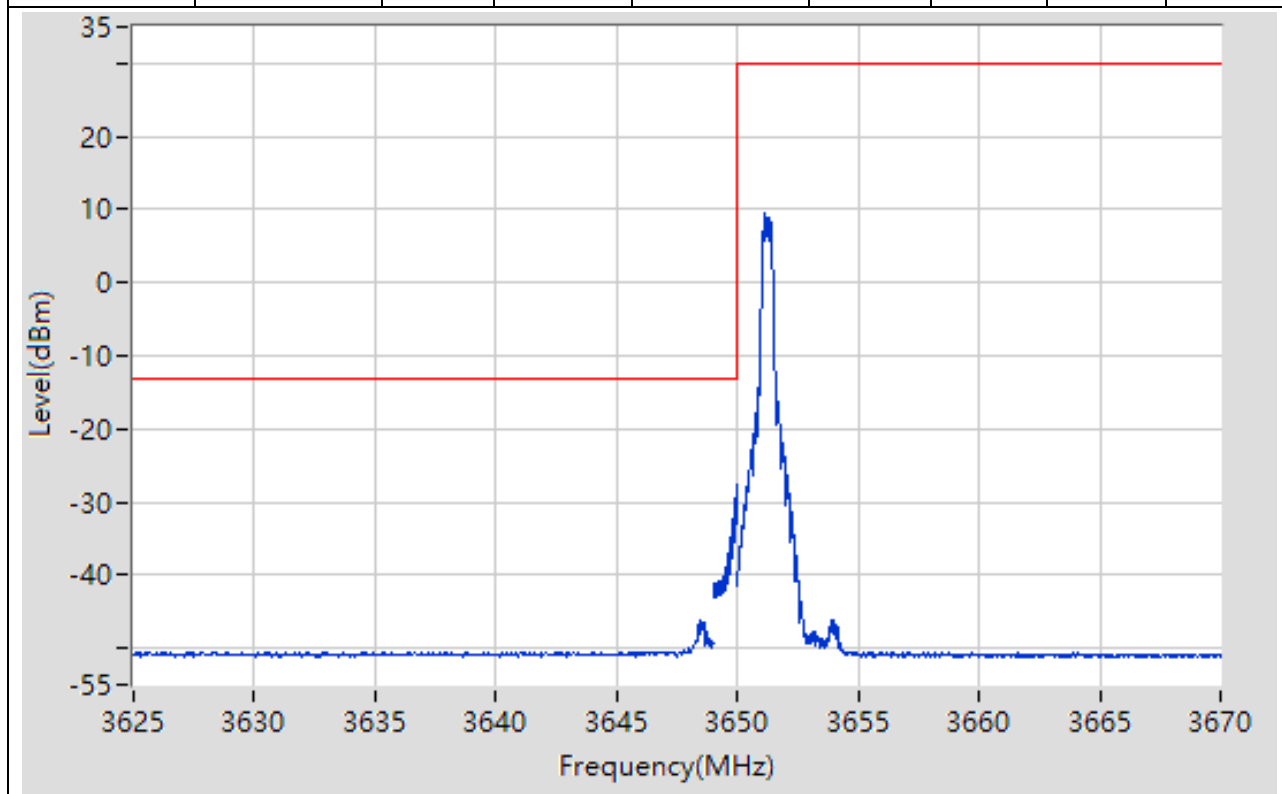
**59.18. Band Edge for SA\_IC(NTNV)(Subtest:18, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.28         | -44.59      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.51      | RMS      | 3649.997        | -38.21      | -13         | Pass    | 601         |
| 3650                  | 3705                 | 0.1       | RMS      | 3655.958        | -9.39       | 30          | Pass    | 601         |



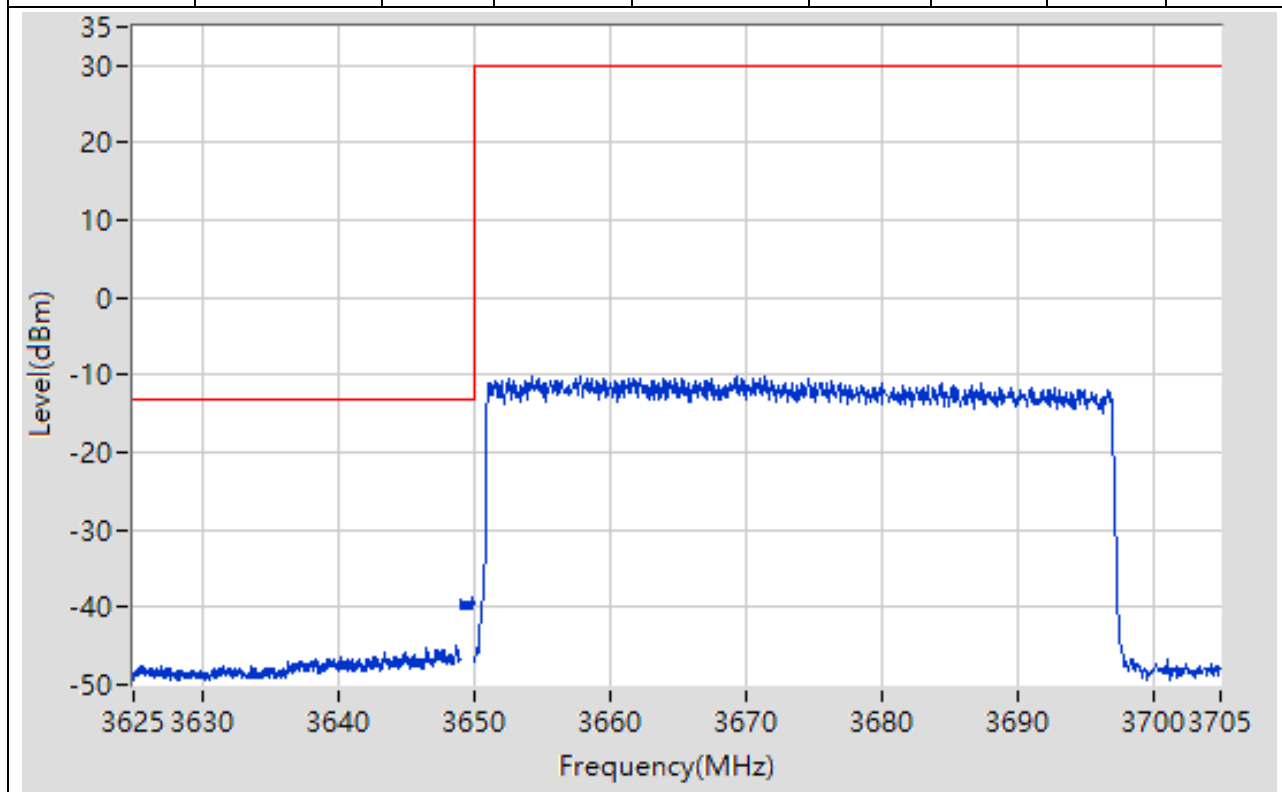
**59.19. Band Edge for SA\_IC(NTNV)(Subtest:19, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.48         | -46.26      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.51      | RMS      | 3650            | -27.62      | -13         | Pass    | 601         |
| 3650                  | 3670                 | 0.1       | RMS      | 3651.167        | 9.41        | 30          | Pass    | 601         |



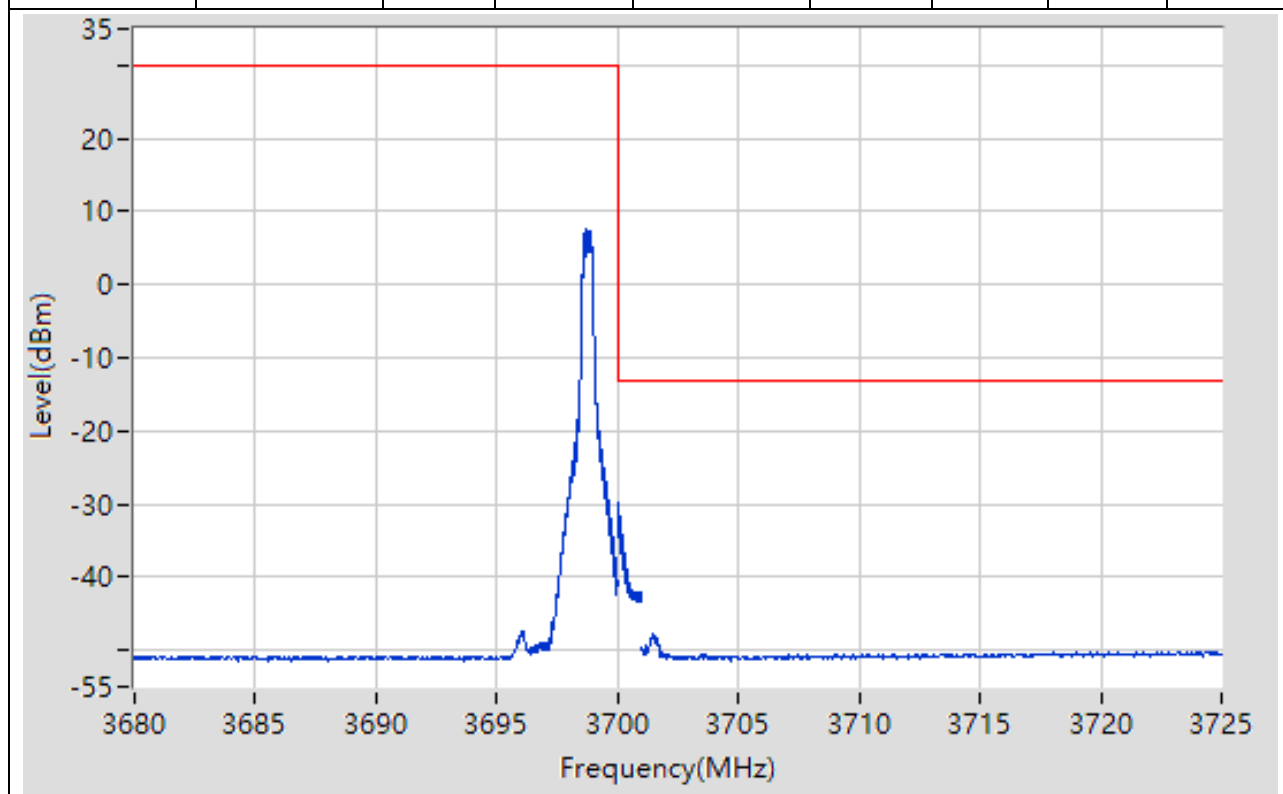
**59.20. Band Edge for SA\_IC(NTNV)(Subtest:20, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3625                  | 3649                 | 0.1       | RMS      | 3648.8          | -44.94      | -13         | Pass    | 601         |
| 3649                  | 3650                 | 0.51      | RMS      | 3649.998        | -38.82      | -13         | Pass    | 601         |
| 3650                  | 3705                 | 0.1       | RMS      | 3657.883        | -10.08      | 30          | Pass    | 601         |



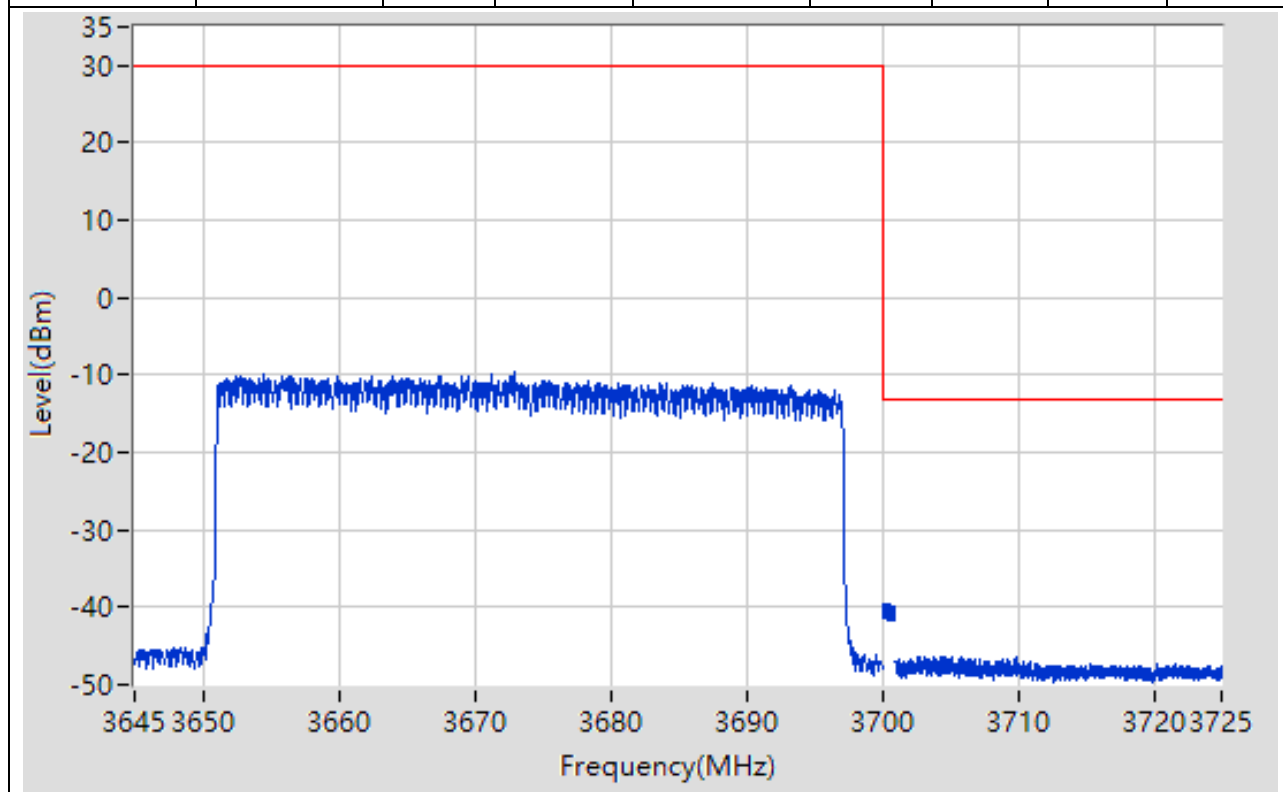
**59.21. Band Edge for SA\_IC(NTNV)(Subtest:21, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.733        | 7.56        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.51      | RMS      | 3700            | -29.81      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.48         | -47.91      | -13         | Pass    | 601         |



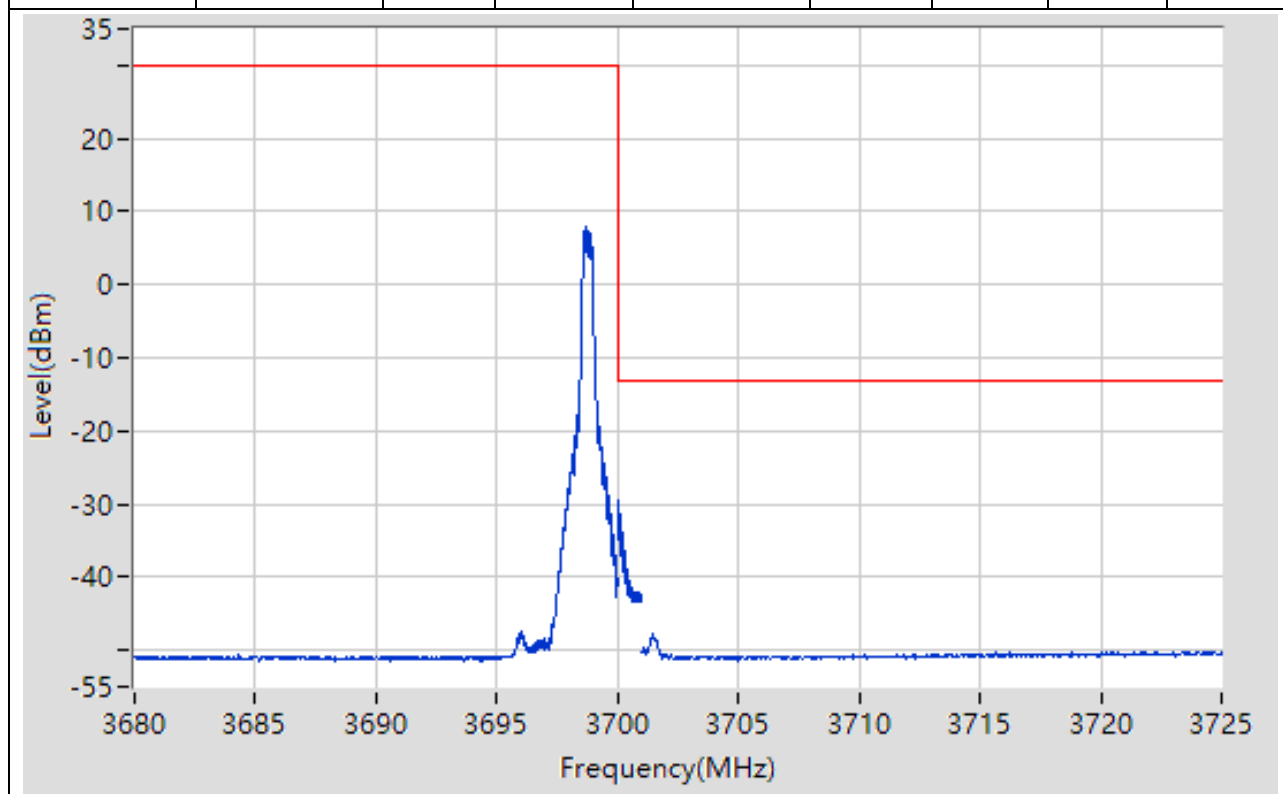
**59.22. Band Edge for SA\_IC(NTNV)(Subtest:22, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3645                  | 3700                 | 0.1       | RMS      | 3672.958        | -9.7        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.51      | RMS      | 3700.068        | -39.5       | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3702.6          | -46.35      | -13         | Pass    | 601         |



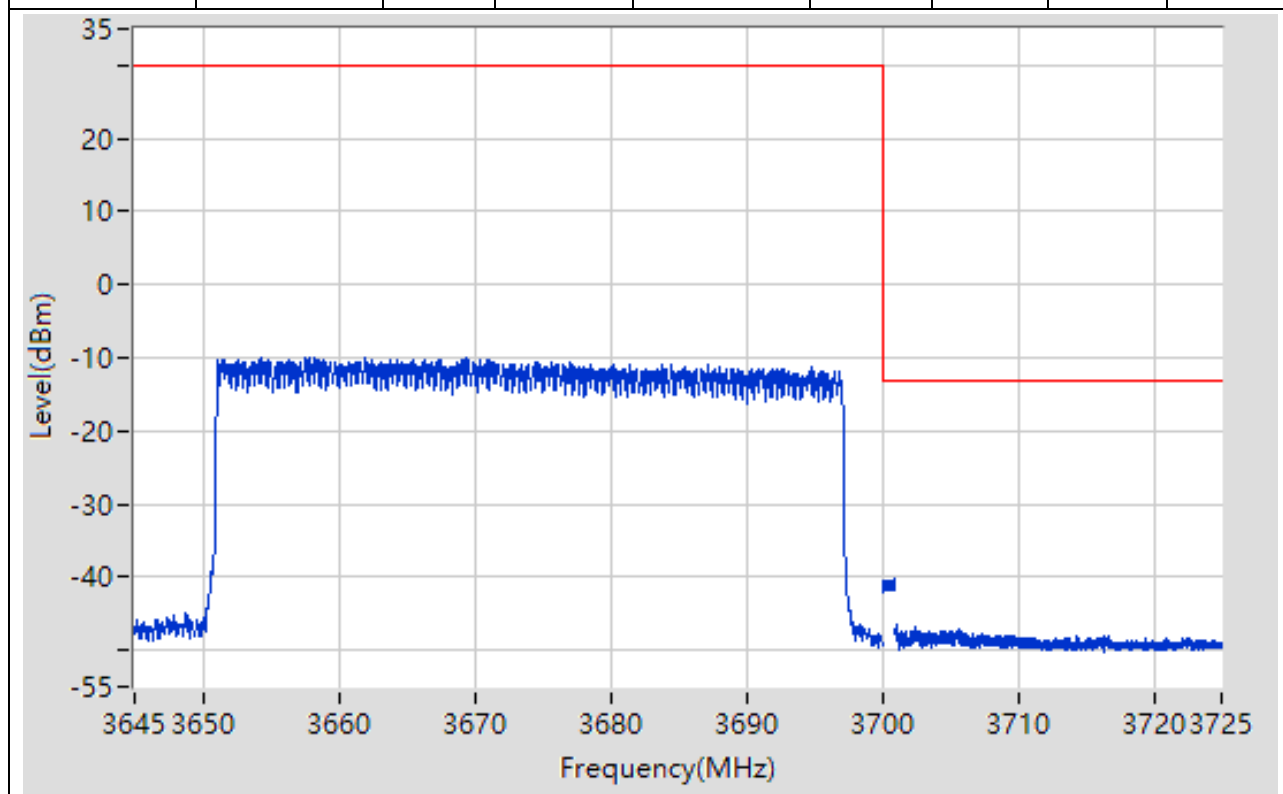
**59.23. Band Edge for SA\_IC(NTNV)(Subtest:23, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3680                  | 3700                 | 0.1       | RMS      | 3698.7          | 7.79        | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.51      | RMS      | 3700            | -29.41      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.44         | -47.89      | -13         | Pass    | 601         |



**59.24. Band Edge for SA\_IC(NTNV)(Subtest:24, Channel:645000, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3645                  | 3700                 | 0.1       | RMS      | 3654.258        | -9.91       | 30          | Pass    | 601         |
| 3700                  | 3701                 | 0.51      | RMS      | 3700.95         | -40.32      | -13         | Pass    | 601         |
| 3701                  | 3725                 | 0.1       | RMS      | 3701.08         | -46.64      | -13         | Pass    | 601         |

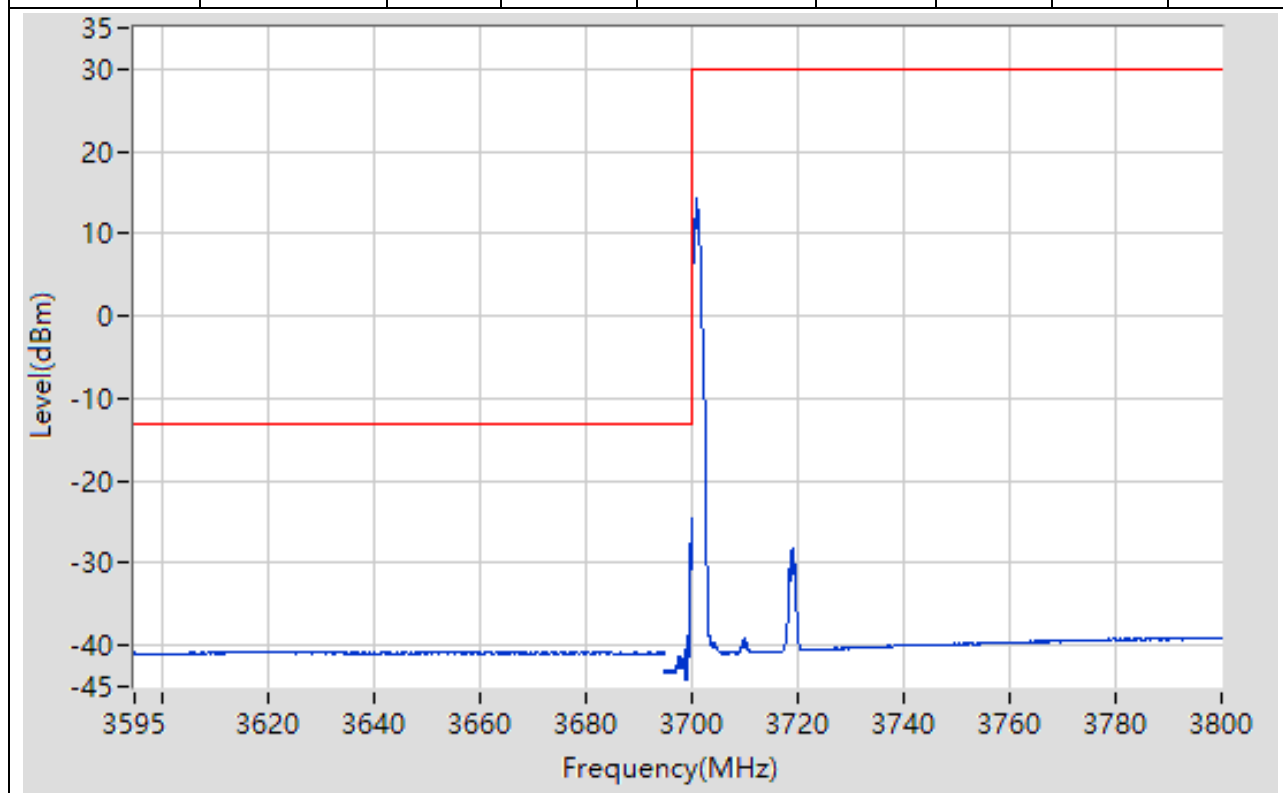




## 60. n78 30kHz(3700-3800MHz)\_MIMO-ANT1

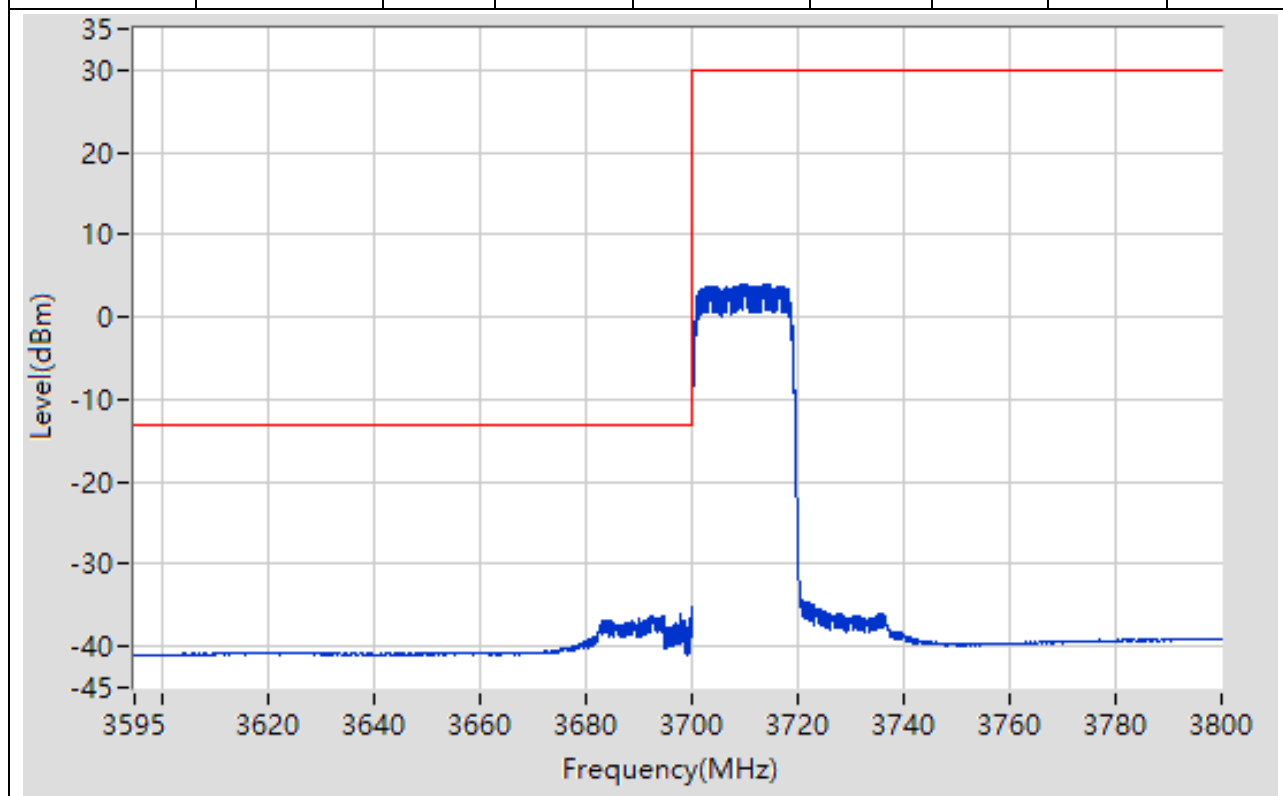
60.1. Band Edge for SA(NTNV)(Subtest:1, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3619.5          | -40.77      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.993        | -40.6       | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.997        | -24.64      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 14.19       | 30          | Pass    | 601         |



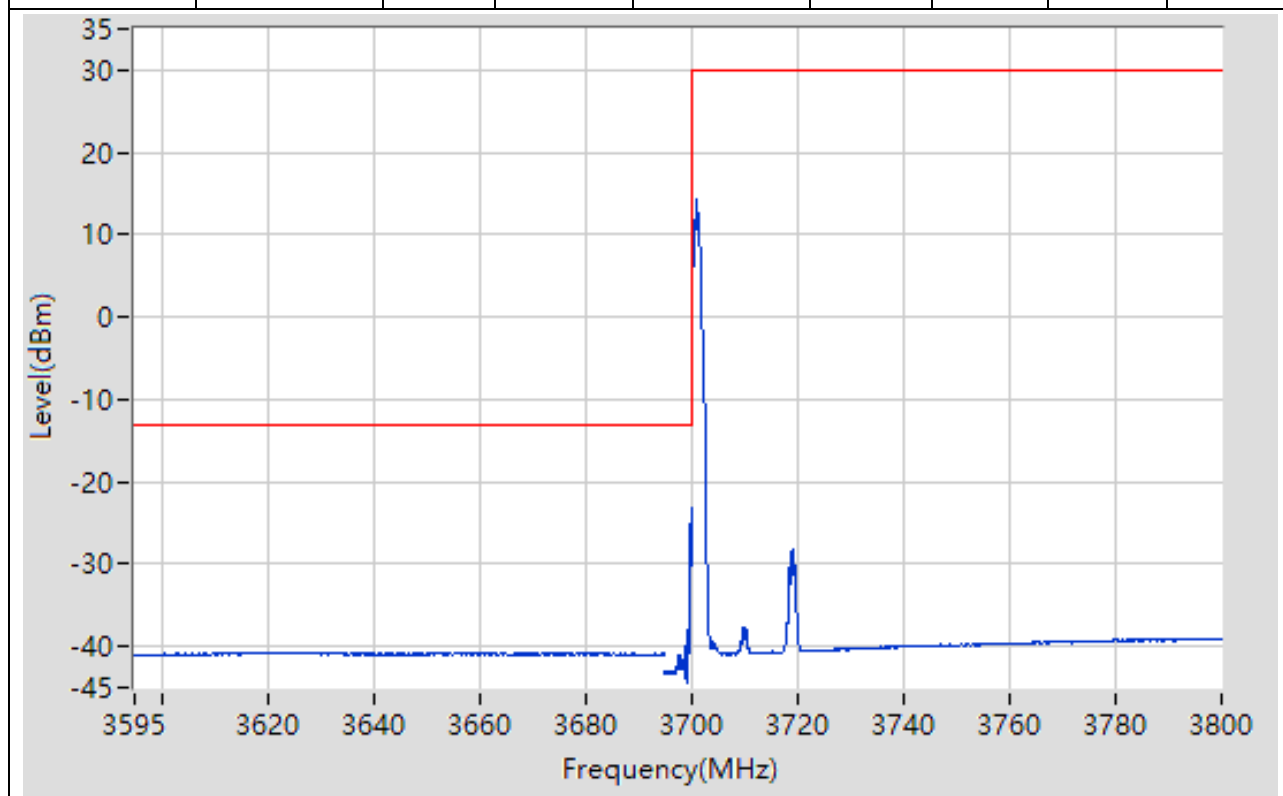
**60.2. Band Edge for SA(NTNV)(Subtest:2, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.833        | -36.34      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.067        | -36.05      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.995        | -35.24      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3709.5          | 4.02        | 30          | Pass    | 601         |



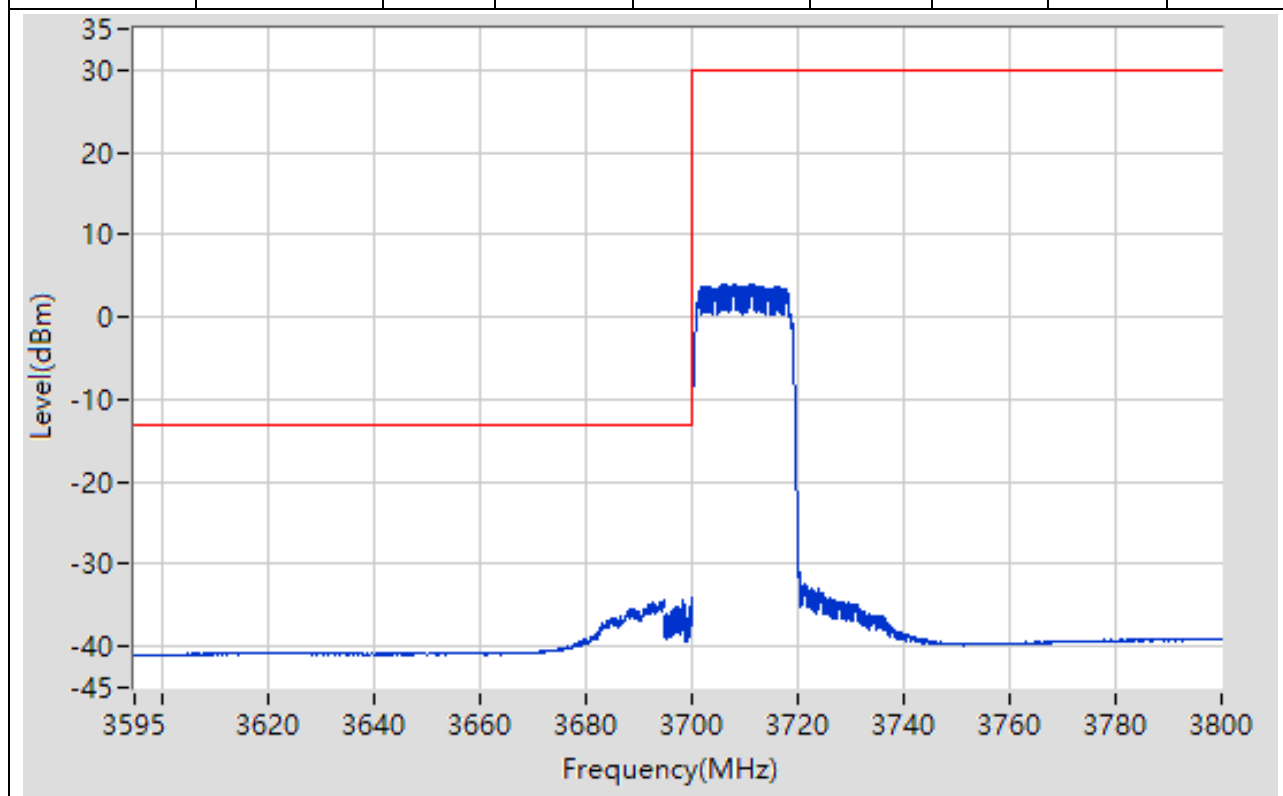
**60.3. Band Edge for SA(NTNV)(Subtest:3, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3623.5          | -40.74      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.967        | -40.07      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.953        | -23.13      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 14.19       | 30          | Pass    | 601         |



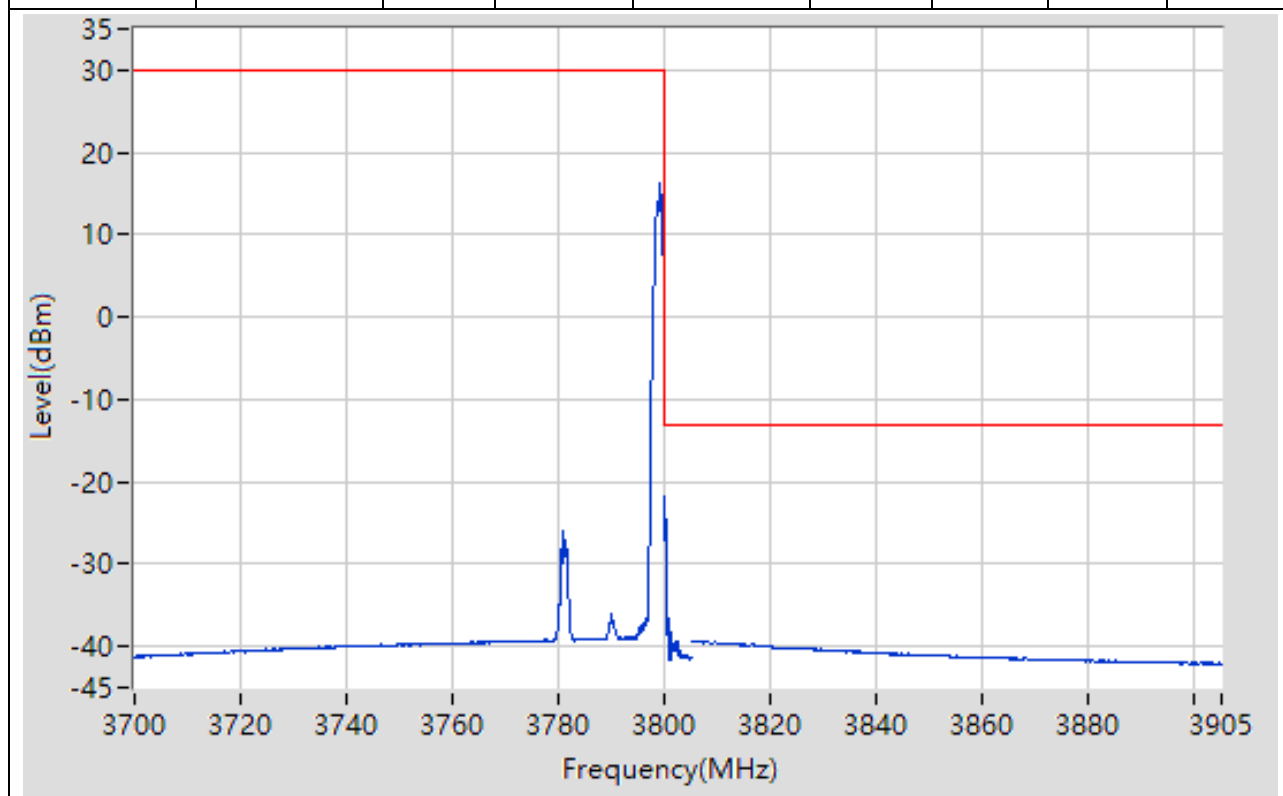
**60.4. Band Edge for SA(NTNV)(Subtest:4, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.833        | -34.5       | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.493        | -34.25      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.99         | -34.01      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3708.5          | 4           | 30          | Pass    | 601         |



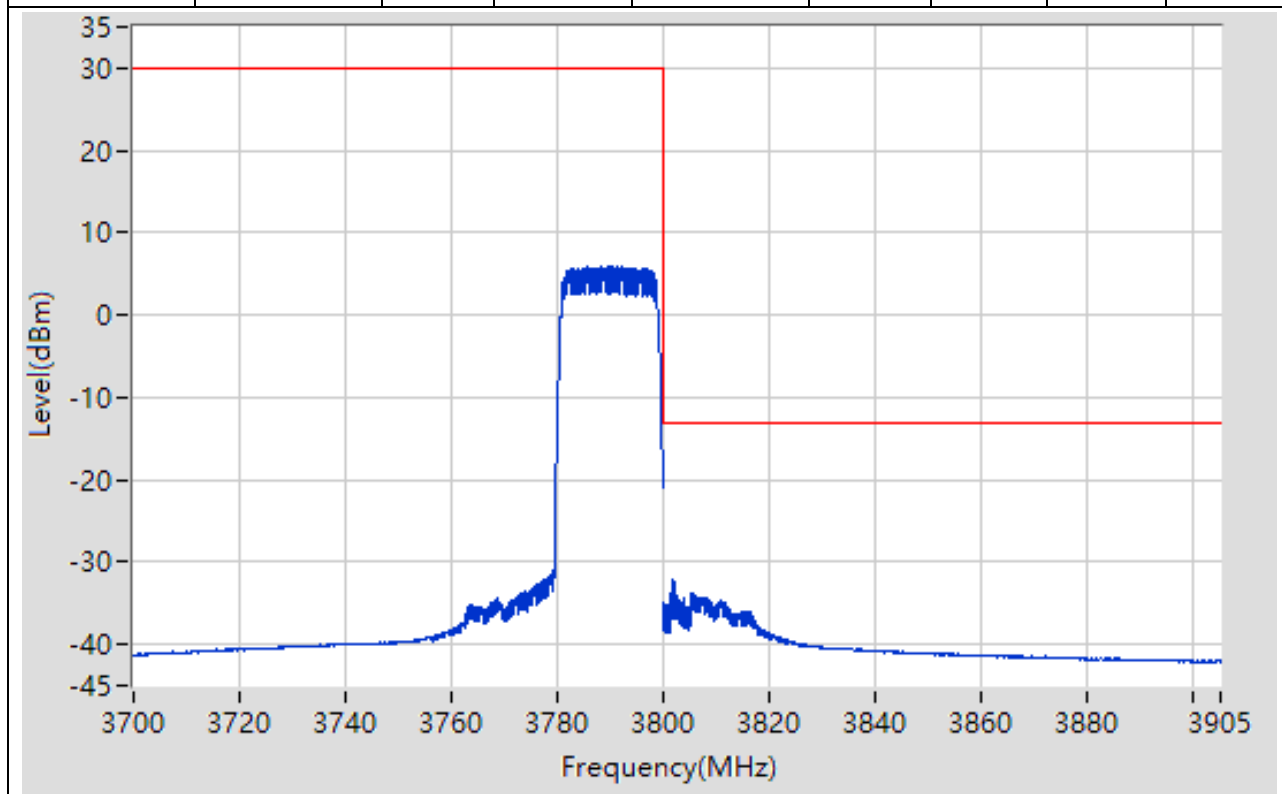
**60.5. Band Edge for SA(NTNV)(Subtest:5, Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3799            | 16.23       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.007        | -21.68      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.02         | -38.28      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.333        | -39.32      | -13         | Pass    | 601         |



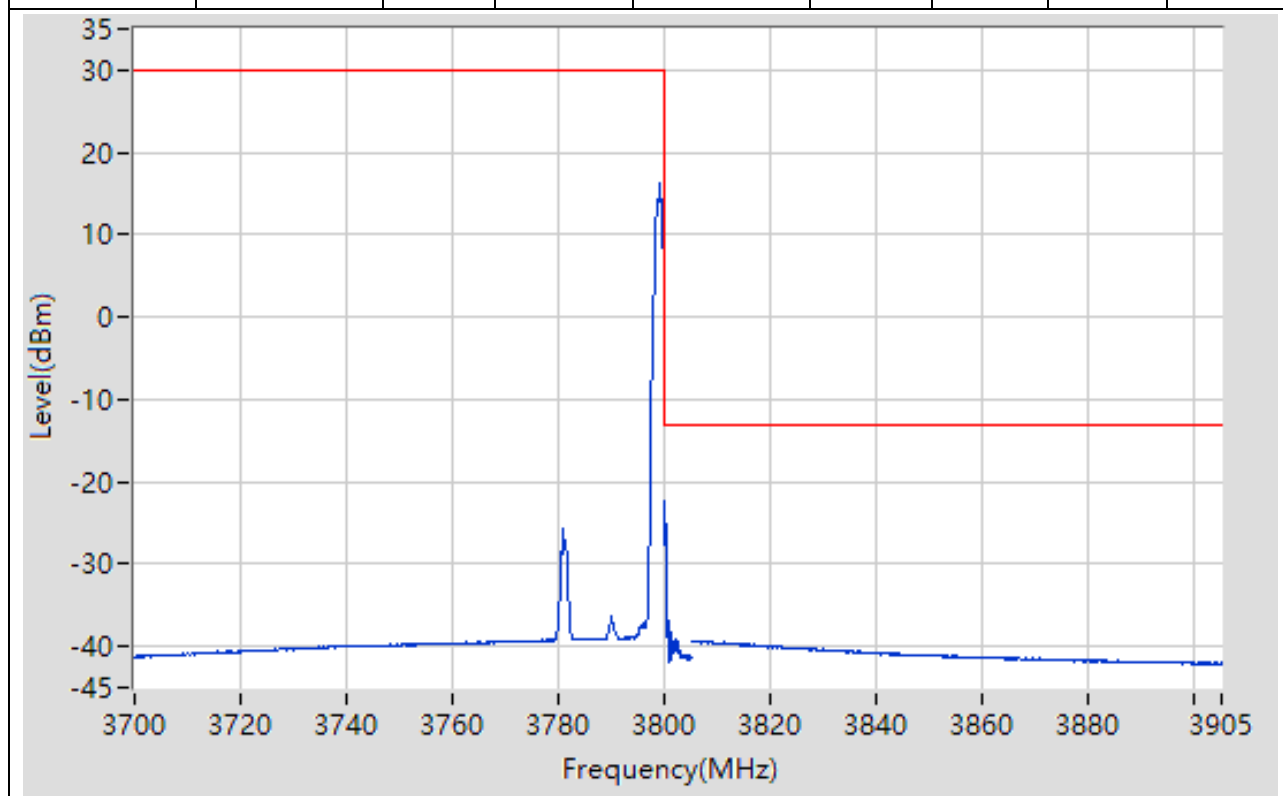
**60.6. Band Edge for SA(NTNV)(Subtest:6, Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3789.667        | 5.82        | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.015        | -34.86      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.527        | -32.01      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.167        | -33.75      | -13         | Pass    | 601         |



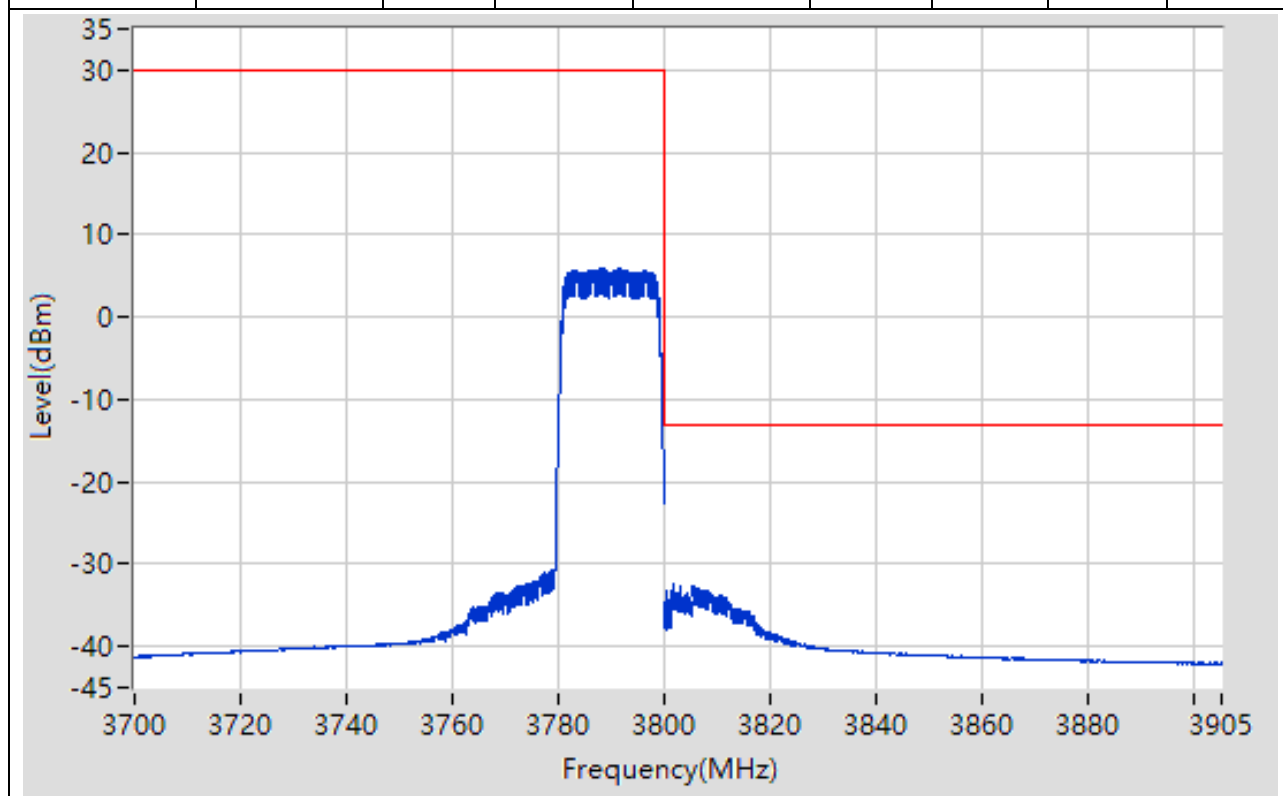
**60.7. Band Edge for SA(NTNV)(Subtest:7, Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3799            | 16.21       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.003        | -22.24      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.013        | -38.37      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.167        | -39.28      | -13         | Pass    | 601         |



**60.8. Band Edge for SA(NTNV)(Subtest:8, Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

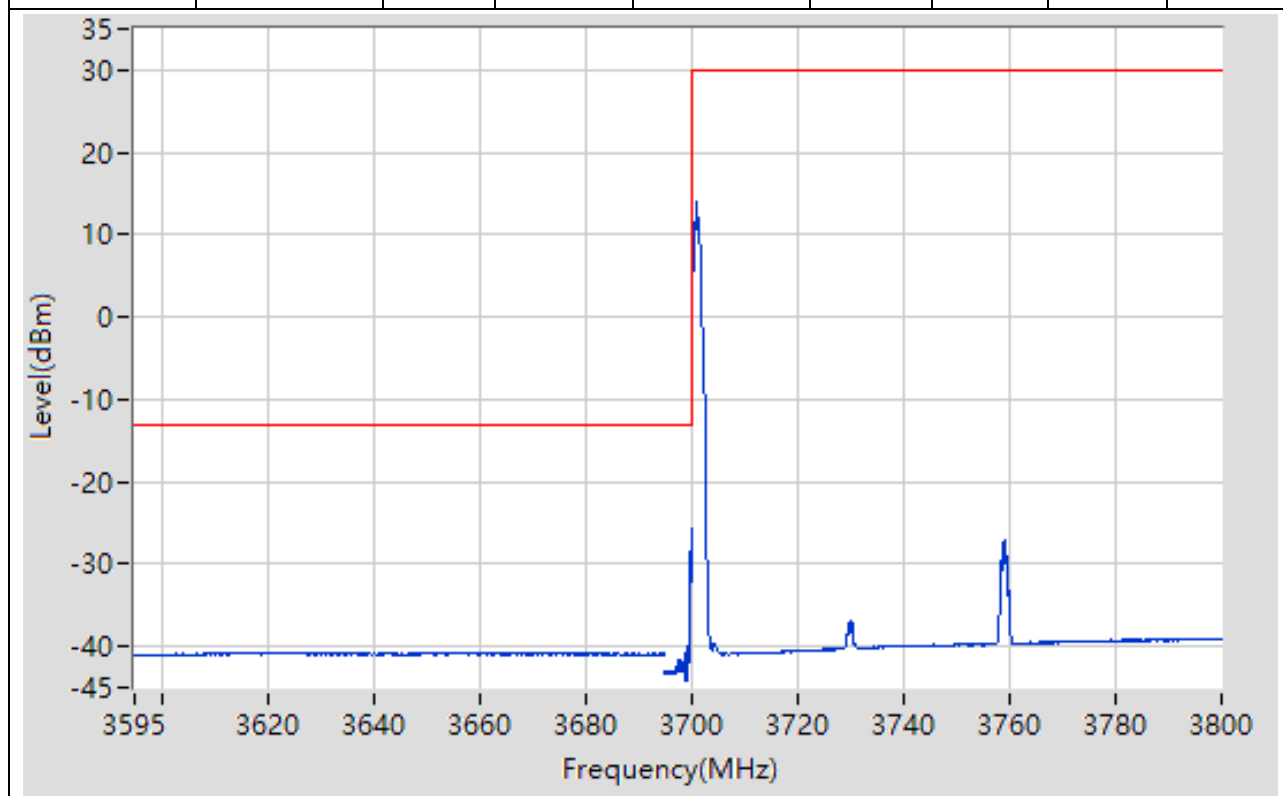
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3791.333        | 5.9         | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.117        | -33.31      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.527        | -32.35      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805            | -32.62      | -13         | Pass    | 601         |





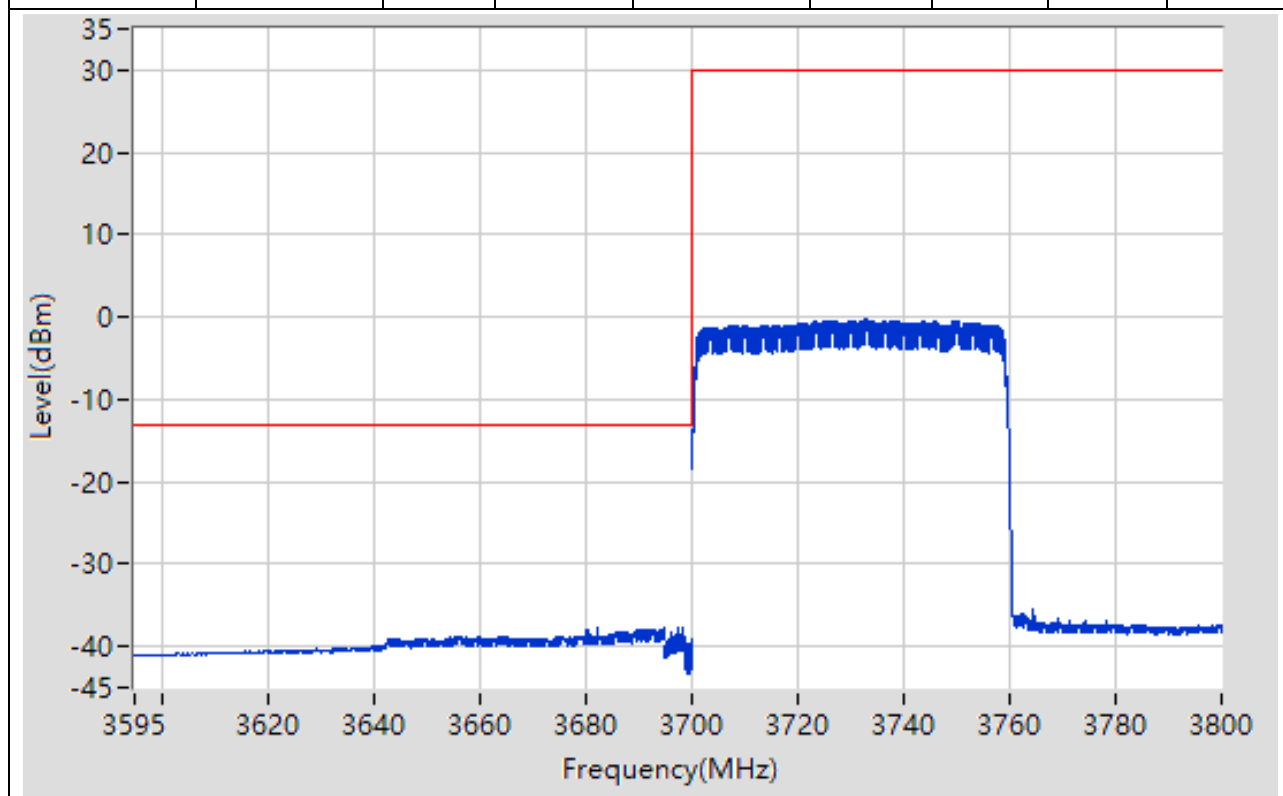
**60.9. Band Edge for SA(NTNV)(Subtest:1, Channel:648668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3623.333        | -40.78      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3699            | -40.7       | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.997        | -25.76      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 13.92       | 30          | Pass    | 601         |



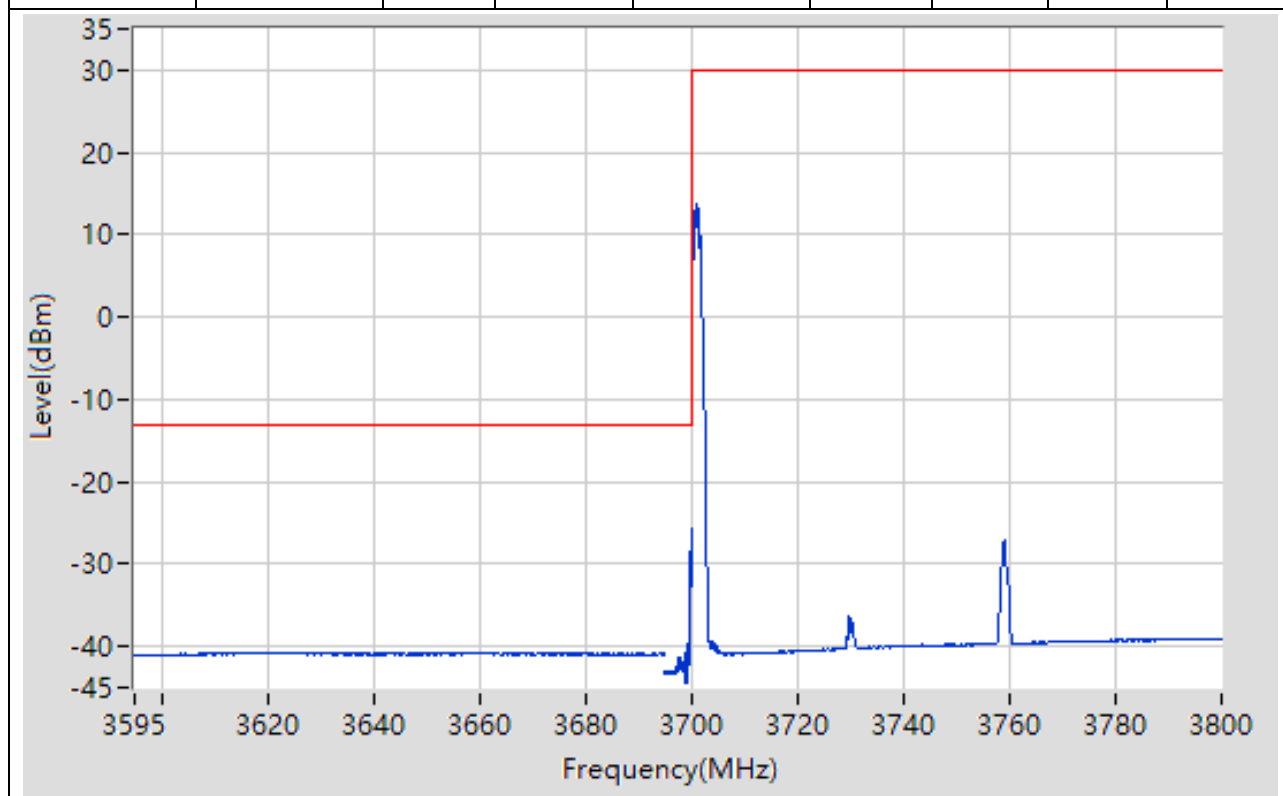
**60.10. Band Edge for SA(NTNV)(Subtest:2, Channel:648668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.833        | -37.82      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3697.427        | -37.71      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.965        | -39         | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3733            | -0.29       | 30          | Pass    | 601         |



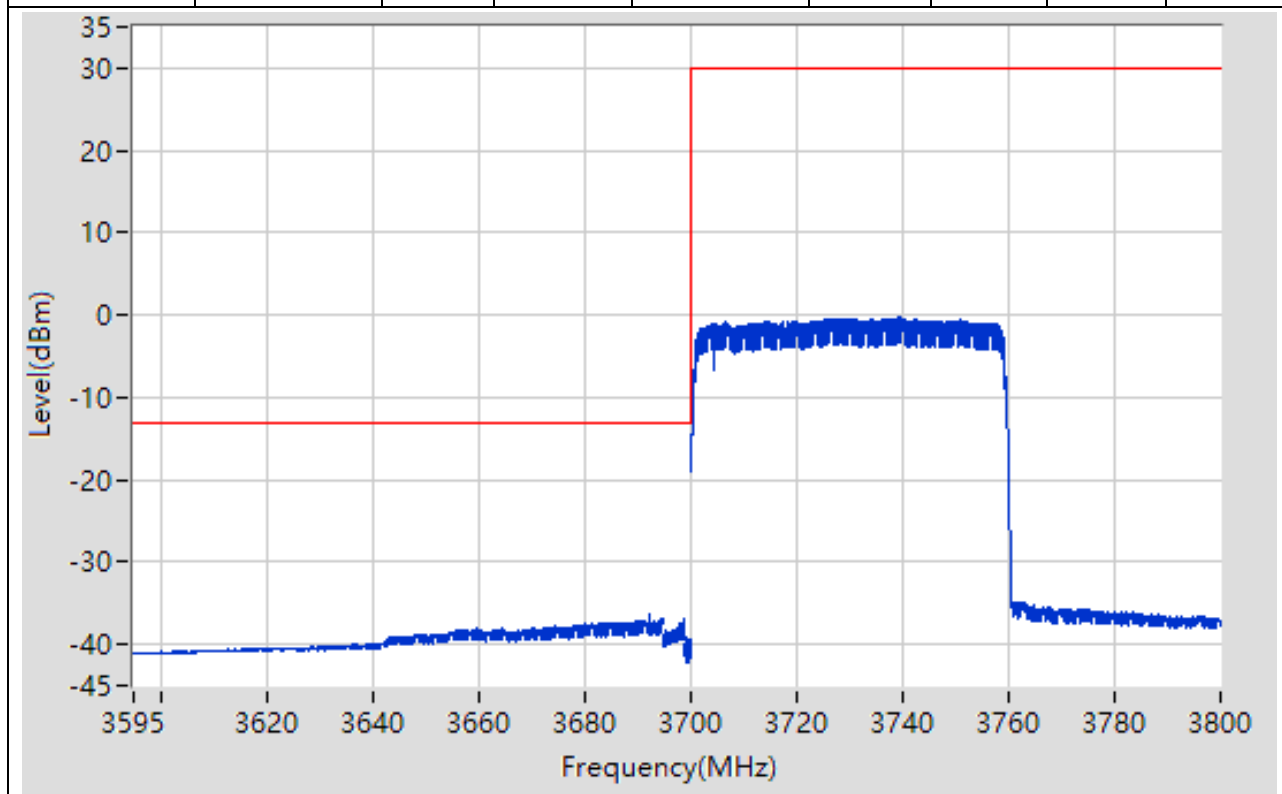
**60.11. Band Edge for SA(NTNV)(Subtest:3, Channel:648668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3623.333        | -40.77      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3699            | -40.79      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -25.67      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701.167        | 13.81       | 30          | Pass    | 601         |



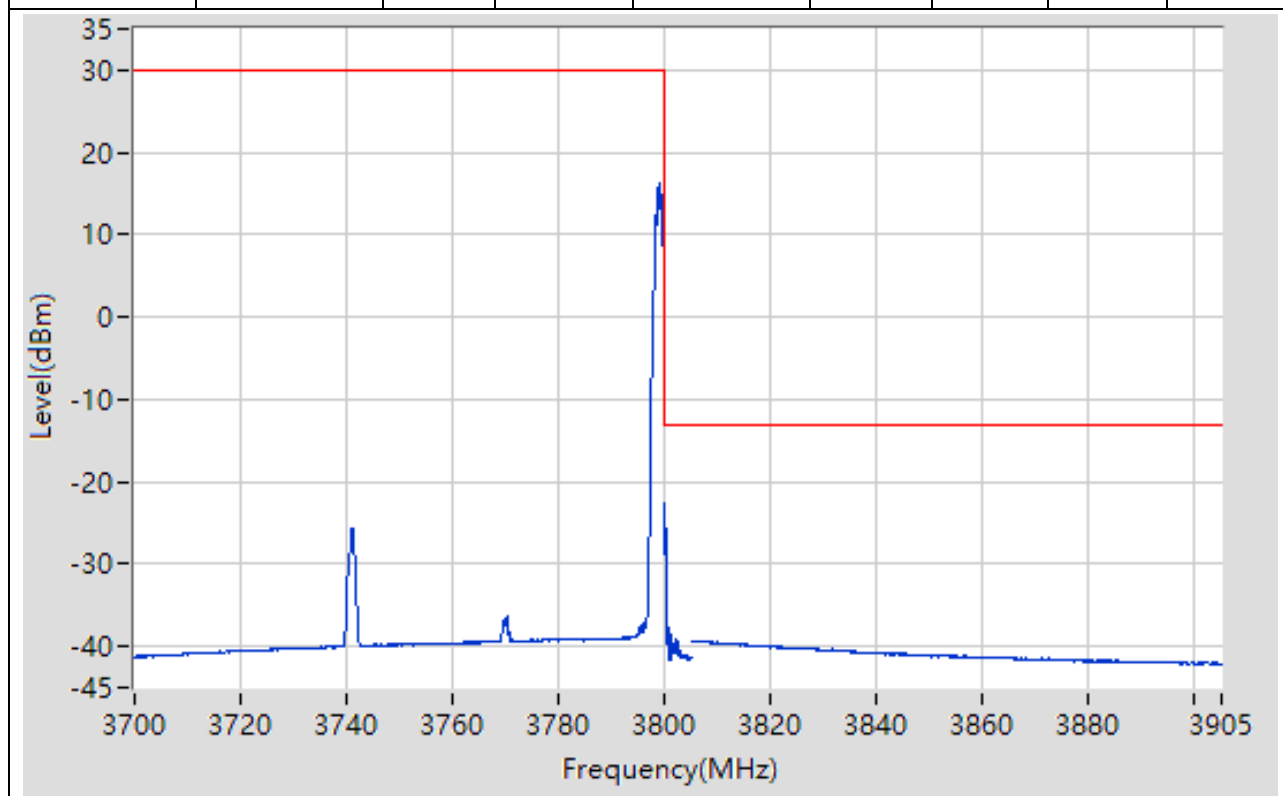
**60.12. Band Edge for SA(NTNV)(Subtest:4, Channel:648668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3692.333        | -36.31      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.833        | -36.99      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.228        | -39.24      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3739.5          | -0.23       | 30          | Pass    | 601         |



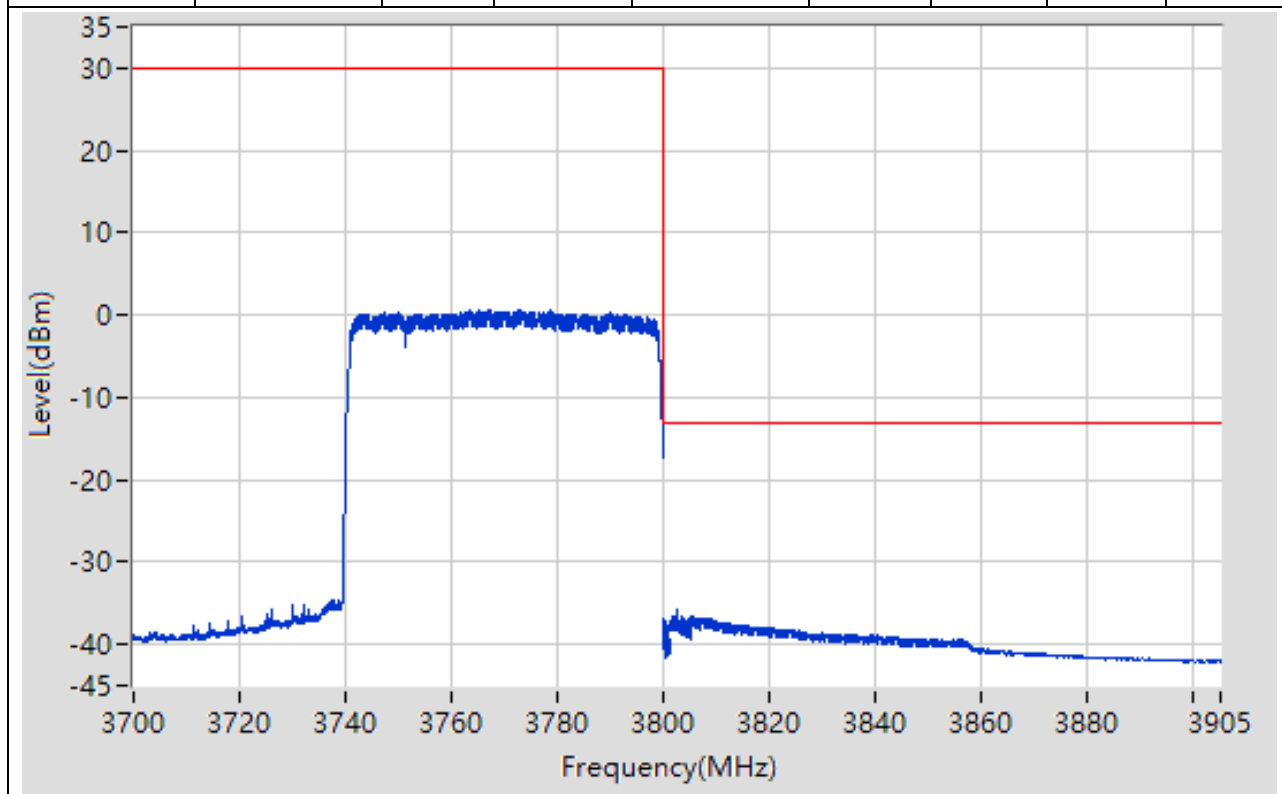
**60.13. Band Edge for SA(NTNV)(Subtest:5, Channel:651332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3798.833        | 16.28       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800            | -22.58      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.013        | -38.45      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3806            | -39.3       | -13         | Pass    | 601         |



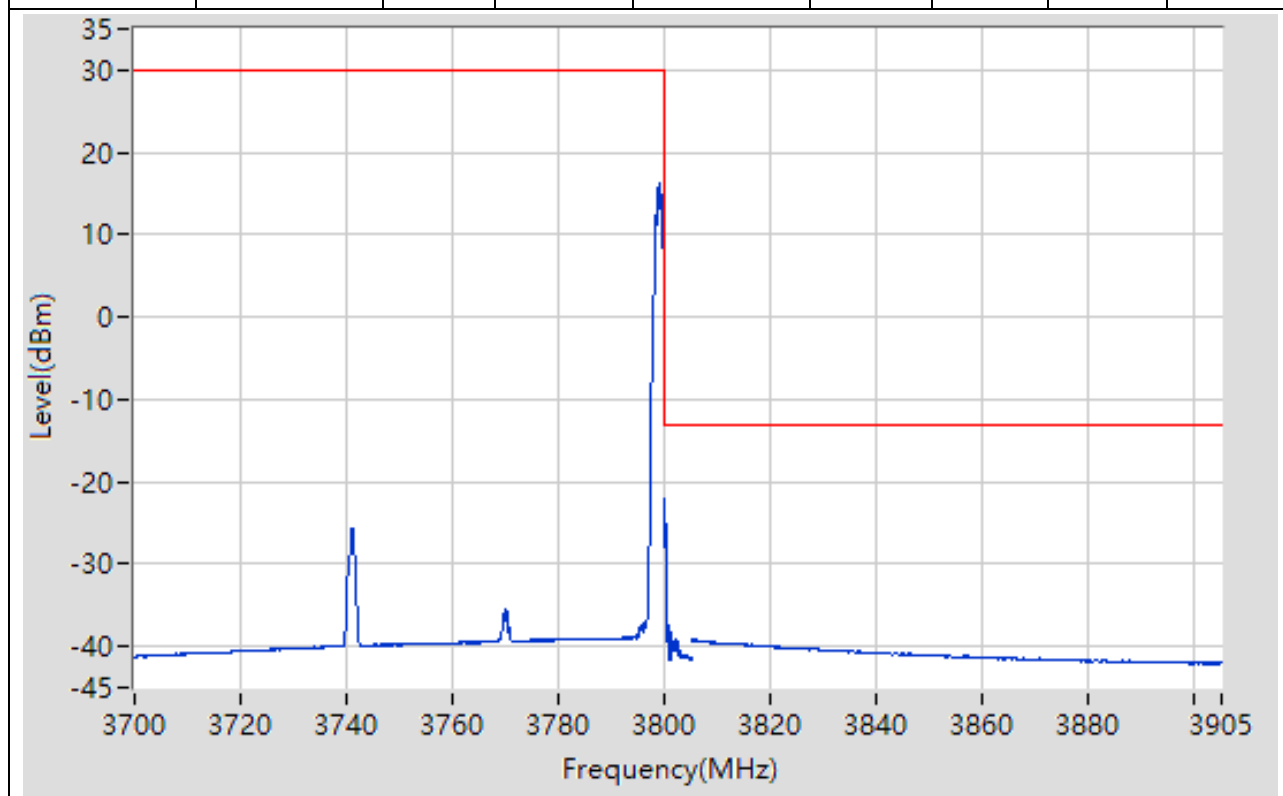
**60.14. Band Edge for SA(NTNV)(Subtest:6, Channel:651332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3773            | 0.65        | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.027        | -36.96      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3802.38         | -35.84      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.333        | -36.59      | -13         | Pass    | 601         |



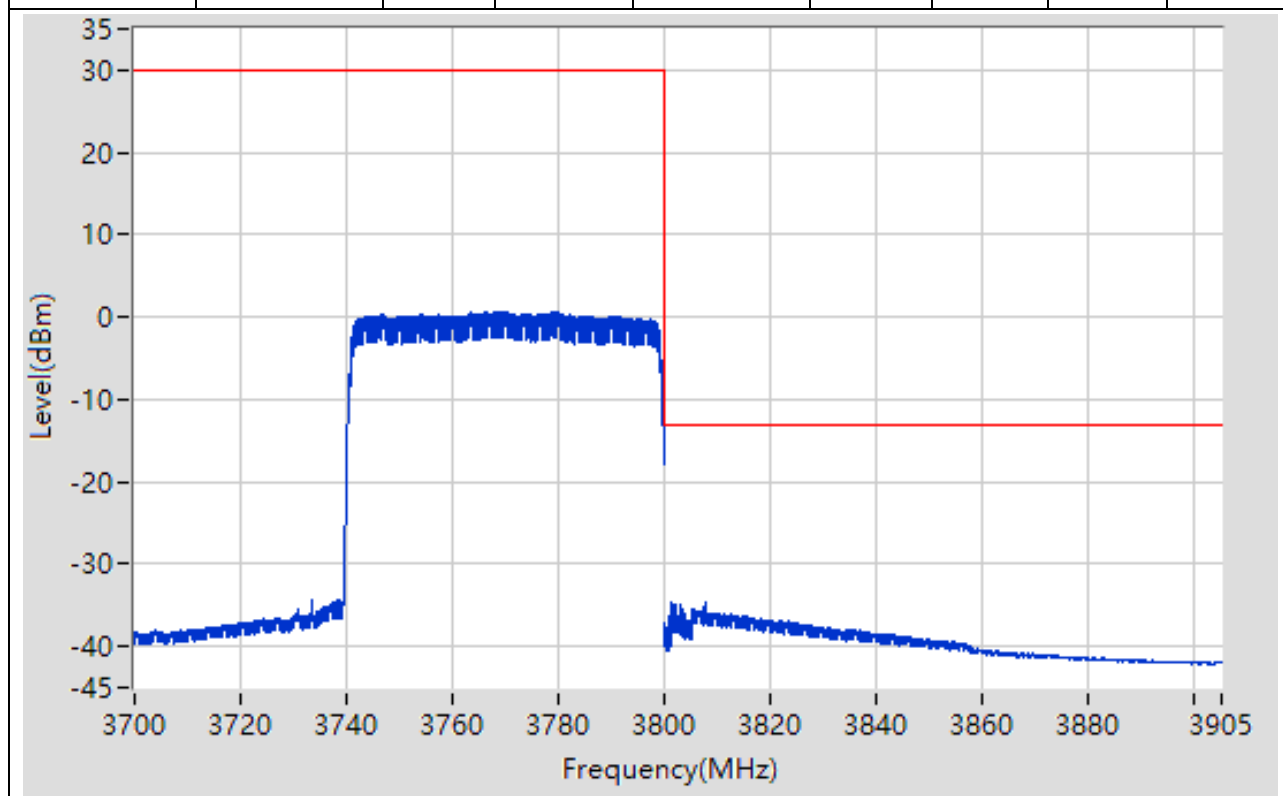
**60.15. Band Edge for SA(NTNV)(Subtest:7, Channel:651332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3798.833        | 16.19       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800            | -22.2       | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.067        | -38.25      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805            | -39.21      | -13         | Pass    | 601         |



**60.16. Band Edge for SA(NTNV)(Subtest:8, Channel:651332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

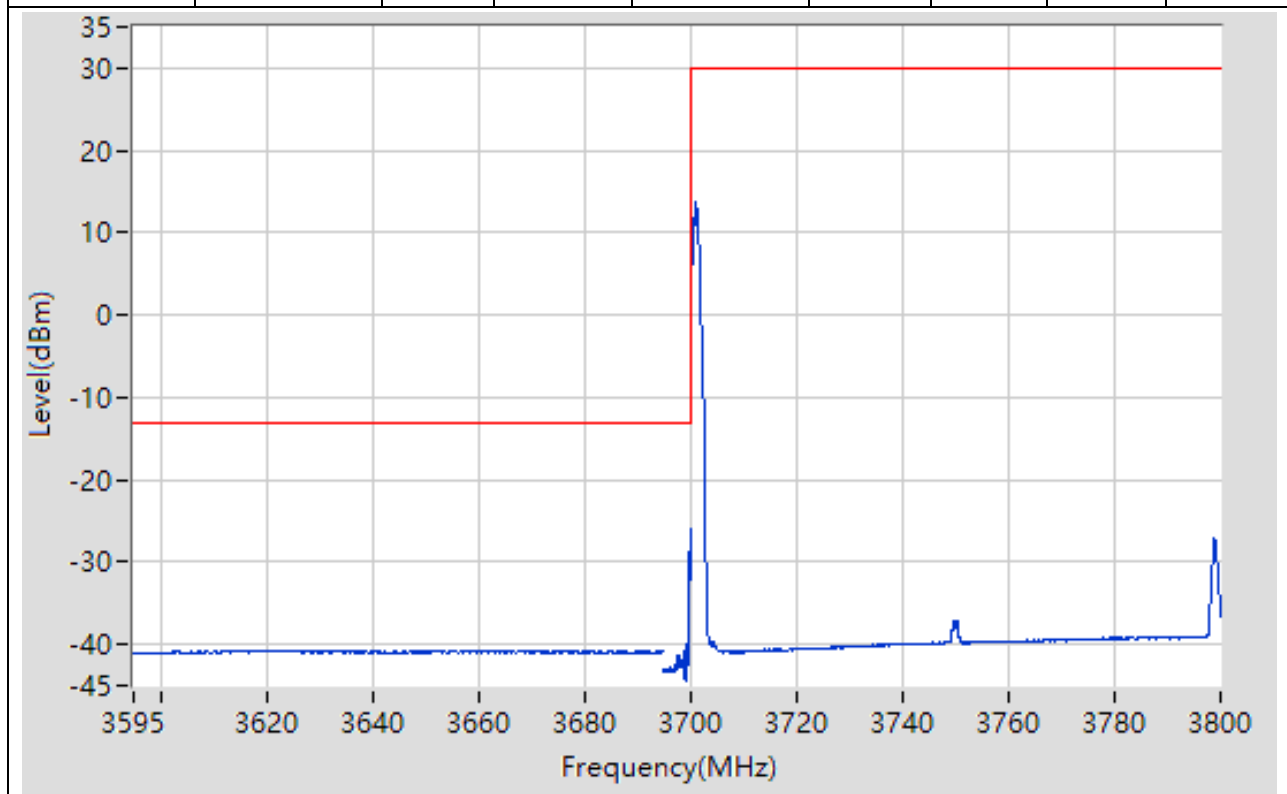
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3779.5          | 0.63        | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.955        | -36.41      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.147        | -34.72      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3807.5          | -34.78      | -13         | Pass    | 601         |





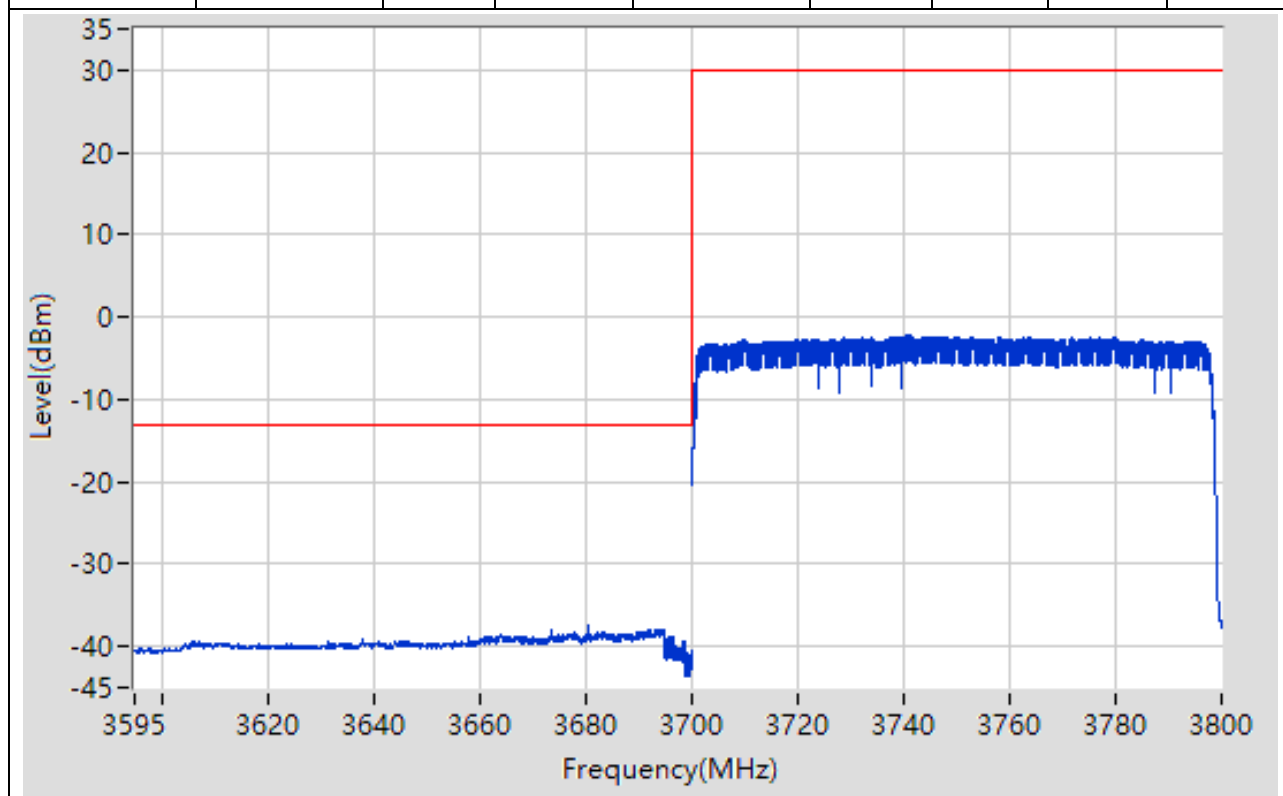
**60.17. Band Edge for SA(NTNV)(Subtest:1, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3660.5          | -40.78      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.993        | -40.75      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -25.9       | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 13.6        | 30          | Pass    | 601         |



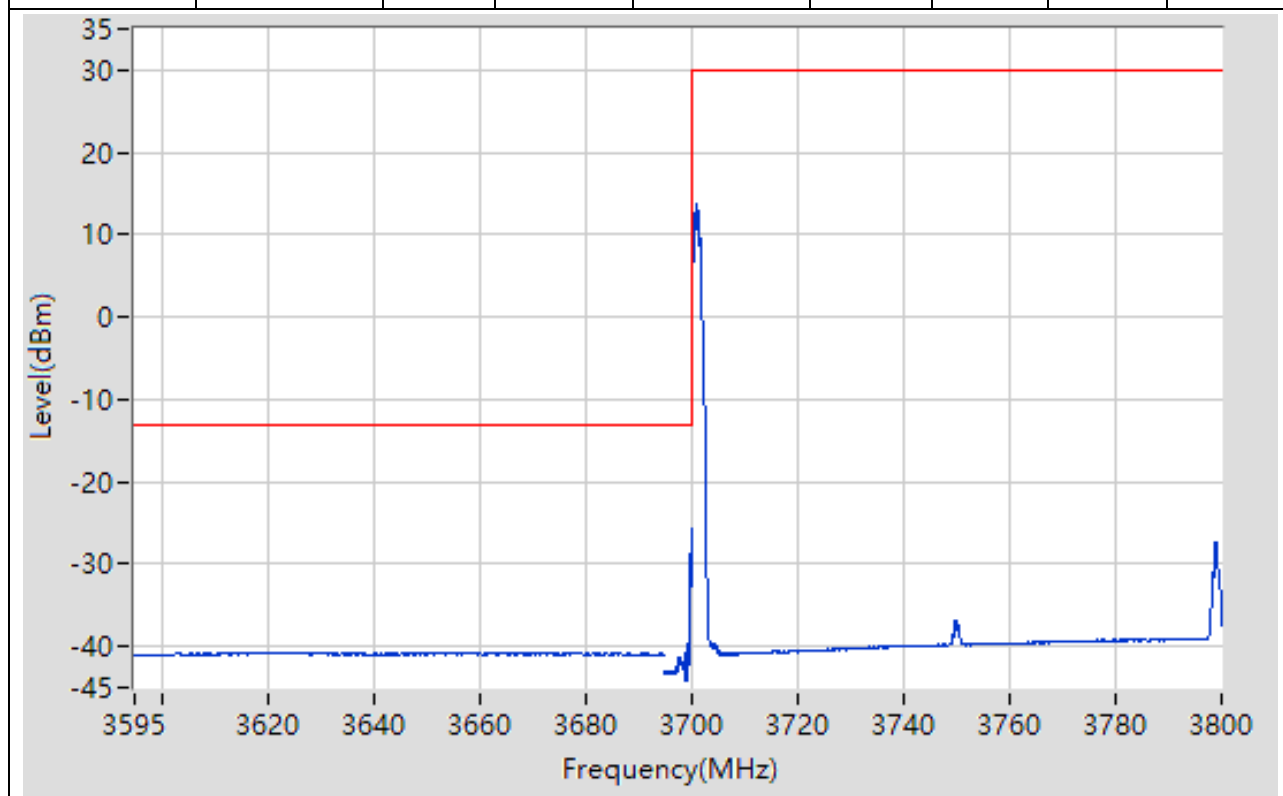
**60.18. Band Edge for SA(NTNV)(Subtest:2, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3680.5          | -37.39      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3695.853        | -38.74      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.898        | -40.53      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3741            | -2.33       | 30          | Pass    | 601         |



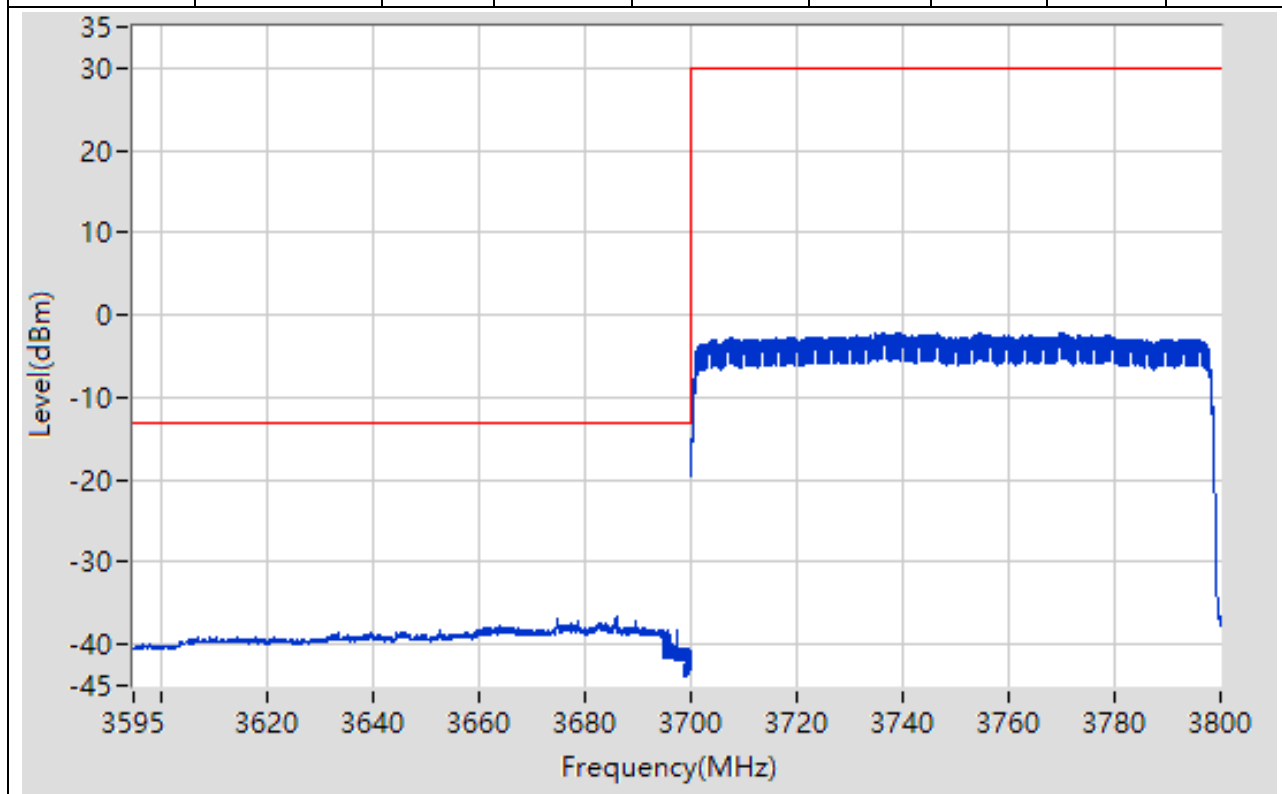
**60.19. Band Edge for SA(NTNV)(Subtest:3, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3623.167        | -40.75      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.987        | -40.89      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.997        | -25.8       | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701.167        | 13.63       | 30          | Pass    | 601         |



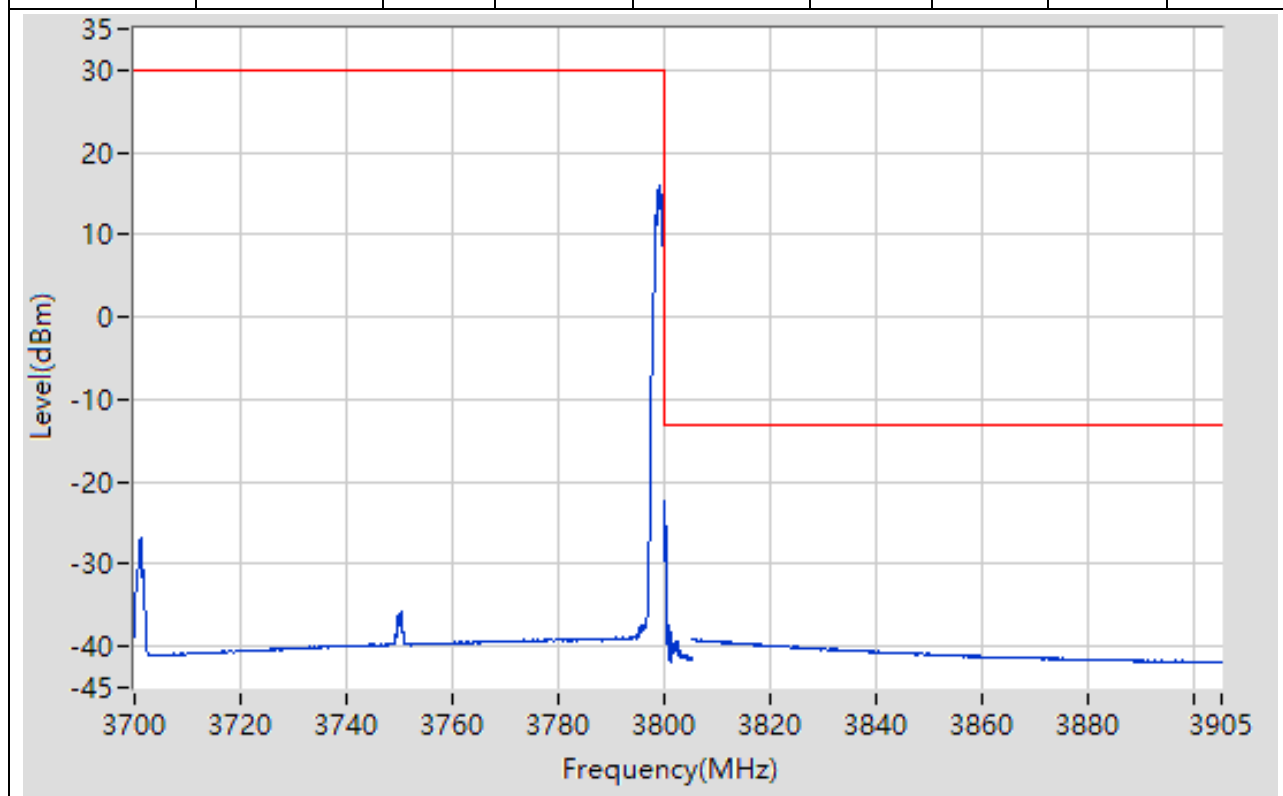
**60.20. Band Edge for SA(NTNV)(Subtest:4, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3686.167        | -36.71      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3695.807        | -38.22      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.23         | -40.41      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3739.5          | -2.19       | 30          | Pass    | 601         |



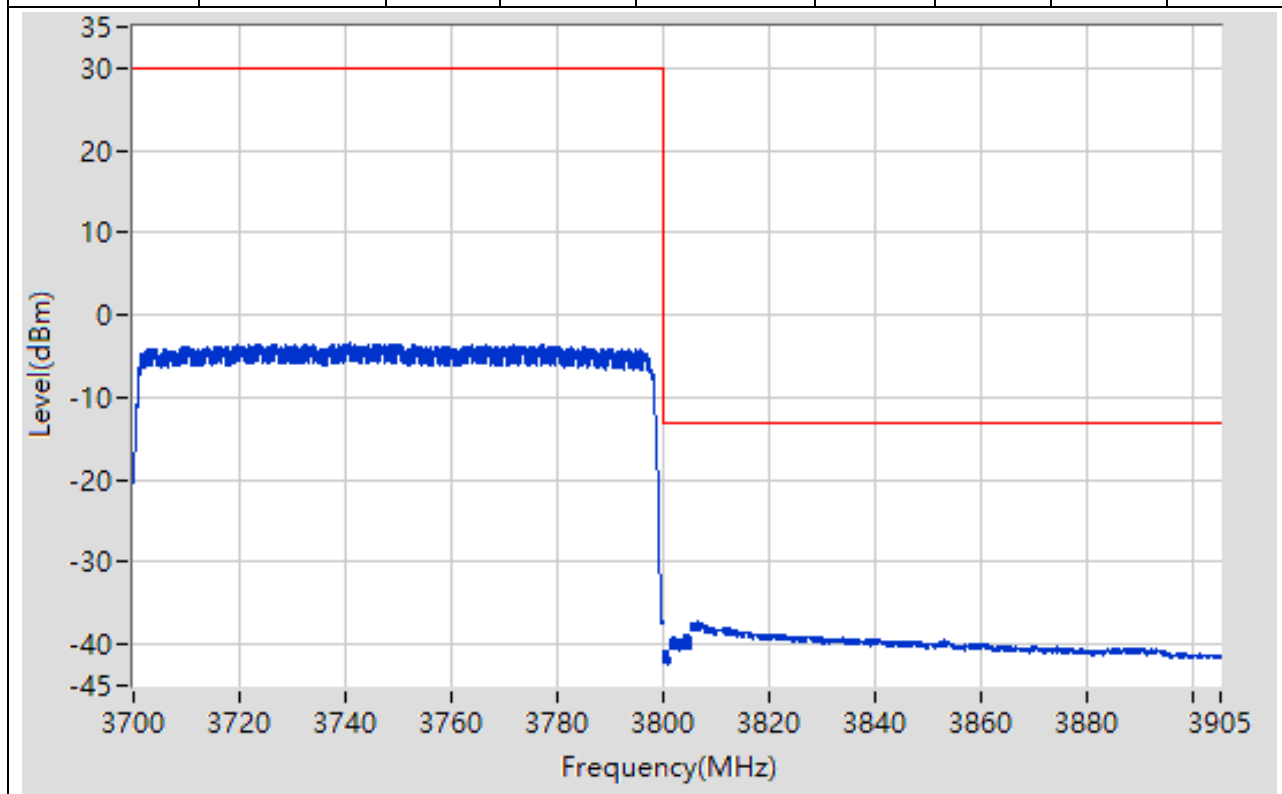
**60.21. Band Edge for SA(NTNV)(Subtest:5, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3798.833        | 16.08       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800            | -22.42      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801            | -38.3       | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.5          | -39.17      | -13         | Pass    | 601         |



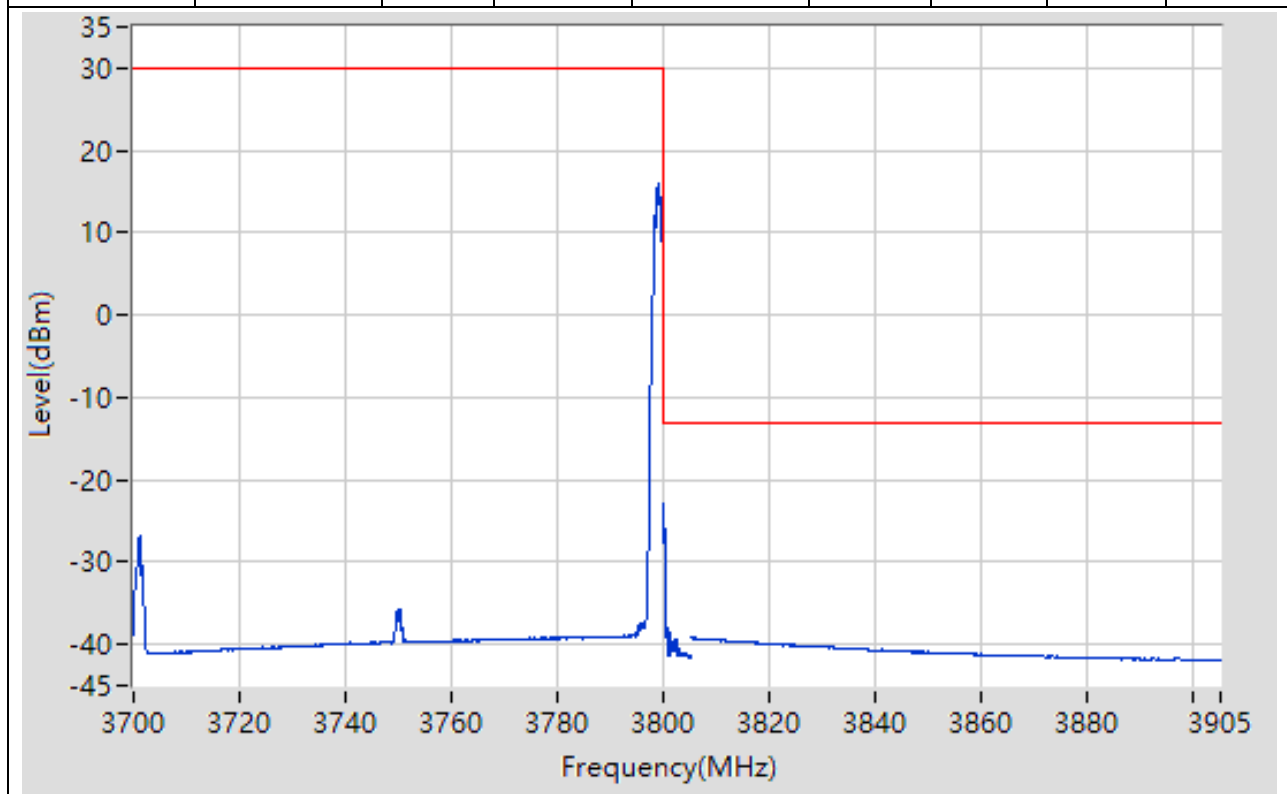
**60.22. Band Edge for SA(NTNV)(Subtest:6, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3741            | -3.41       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.288        | -40.74      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3804.447        | -38.9       | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3806.333        | -37.12      | -13         | Pass    | 601         |



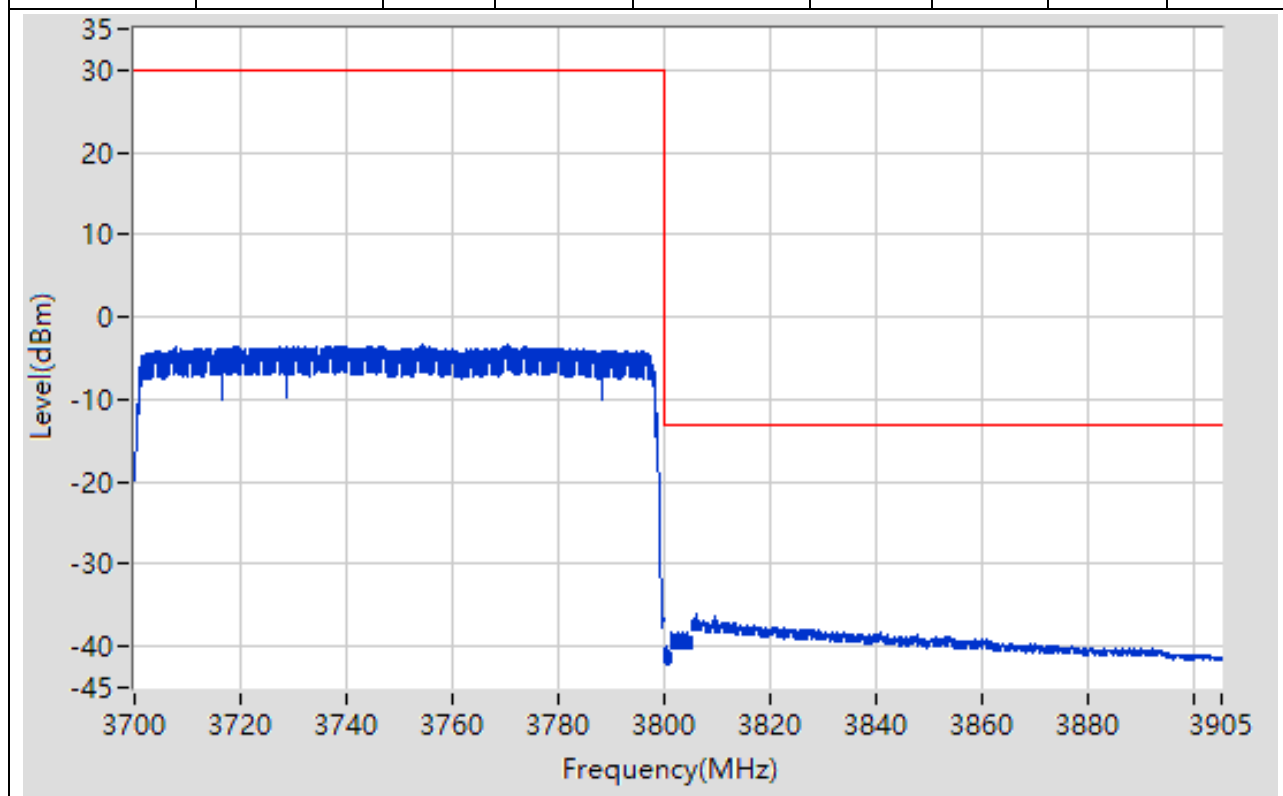
**60.23. Band Edge for SA(NTNV)(Subtest:7, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3798.833        | 15.98       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.003        | -22.97      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.027        | -38.51      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.667        | -39.16      | -13         | Pass    | 601         |



**60.24. Band Edge for SA(NTNV)(Subtest:8, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3754.333        | -3.34       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.145        | -40         | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3803.24         | -38.17      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.833        | -36.05      | -13         | Pass    | 601         |

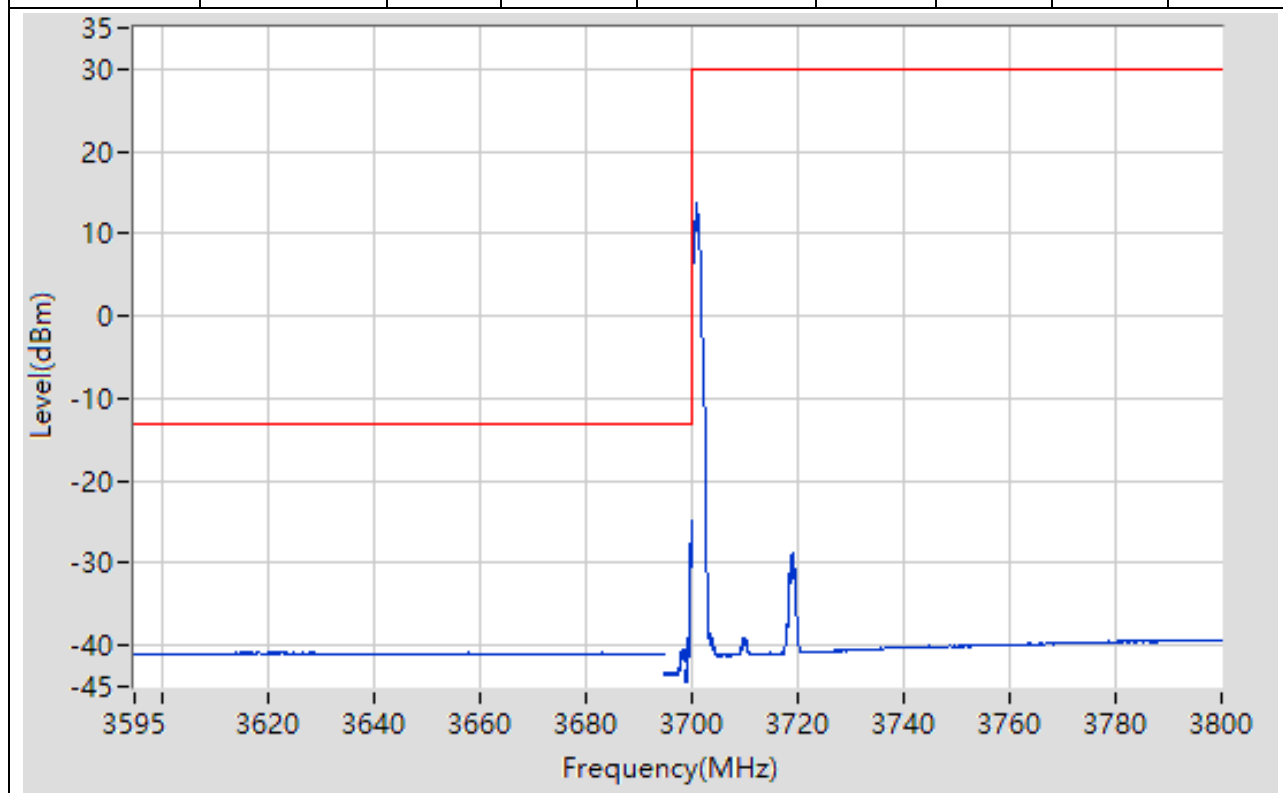




## 61. n78 30kHz(3700-3800MHz) \_MIMO-ANT4

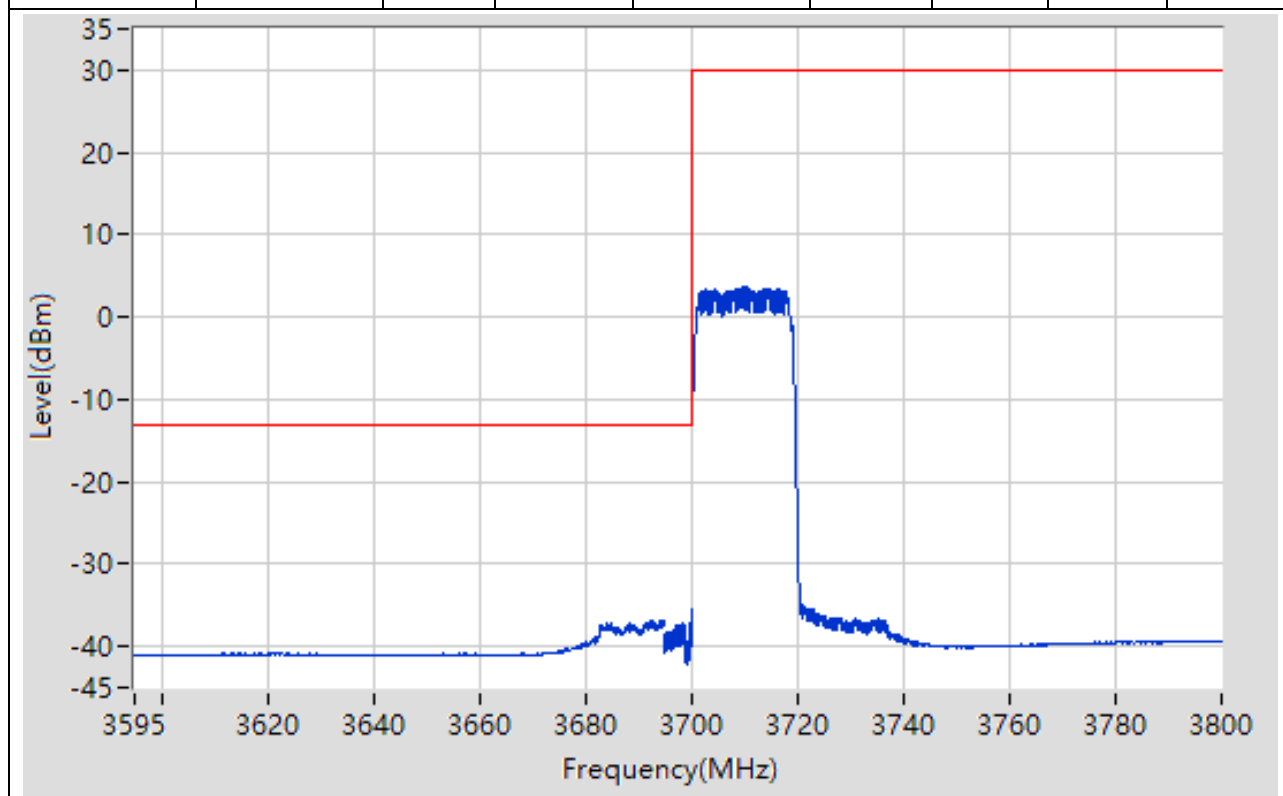
61.1. Band Edge for SA(NTNV)(Subtest:1, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3618.5          | -40.87      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.607        | -40.48      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -24.79      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 13.74       | 30          | Pass    | 601         |



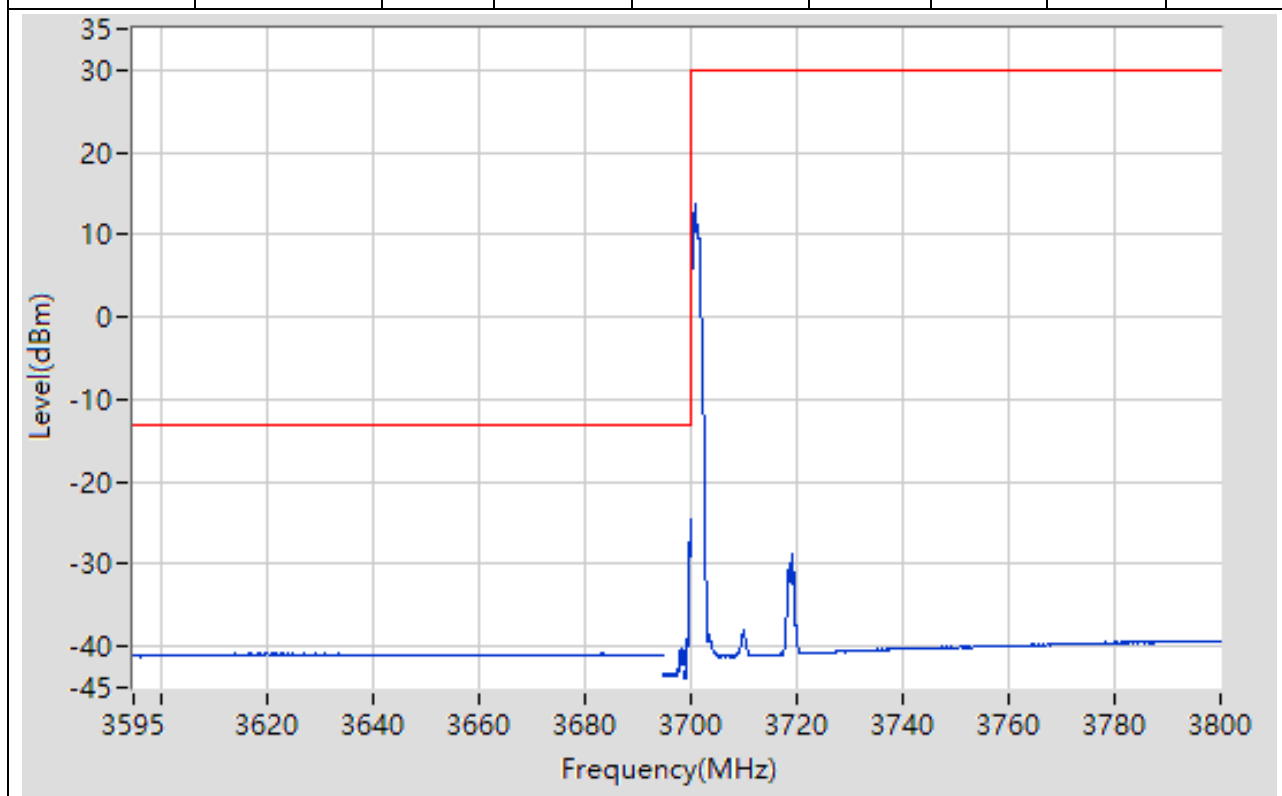
**61.2. Band Edge for SA(NTNV)(Subtest:2, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.833        | -36.89      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.367        | -37.3       | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -35.6       | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3709.5          | 3.69        | 30          | Pass    | 601         |



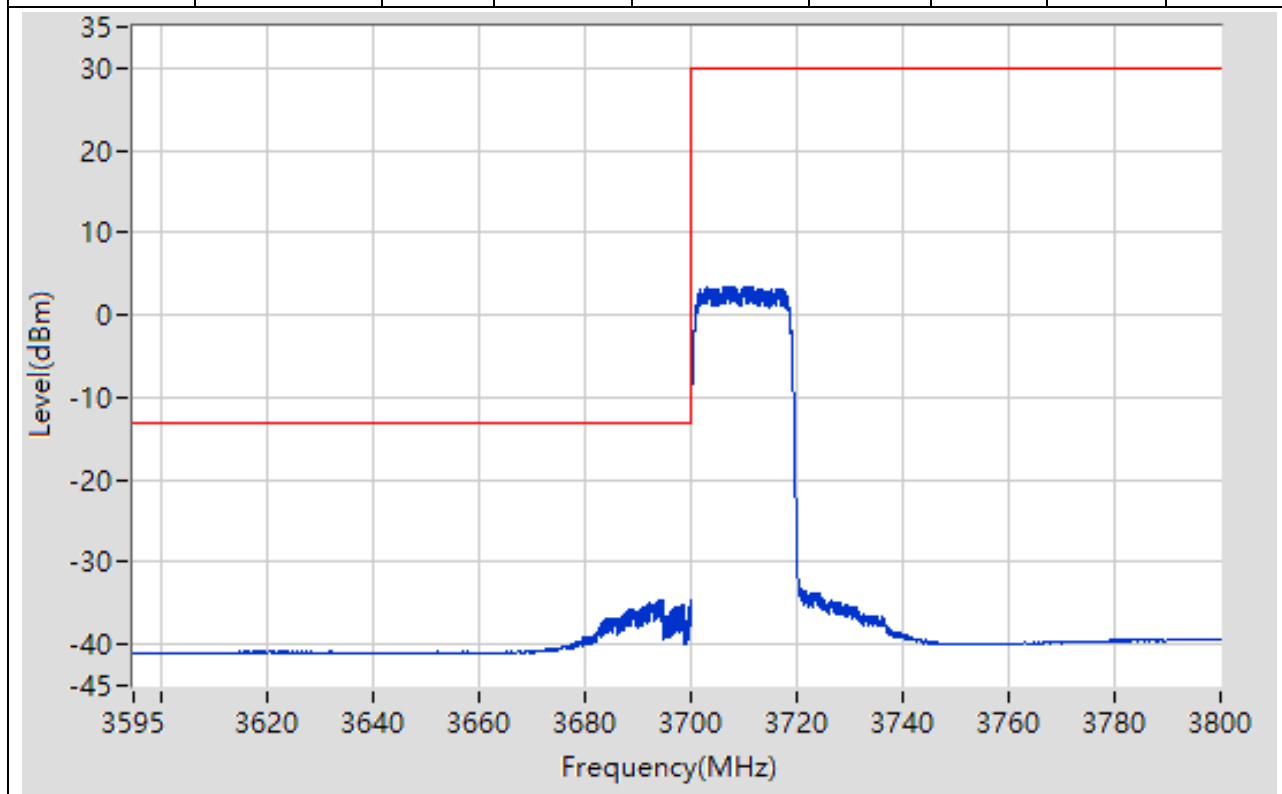
**61.3. Band Edge for SA(NTNV)(Subtest:3, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3624.167        | -40.84      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.407        | -40.31      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -24.58      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 13.76       | 30          | Pass    | 601         |



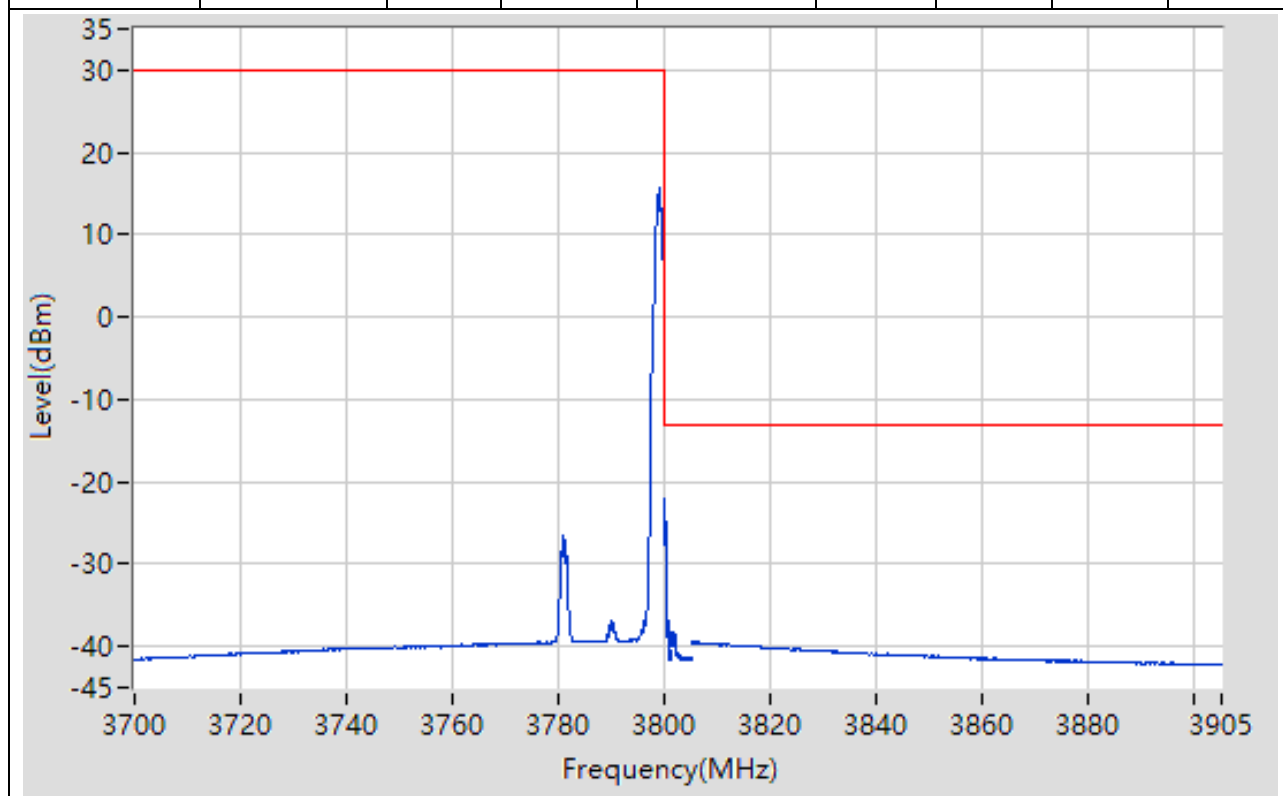
**61.4. Band Edge for SA(NTNV)(Subtest:4, Channel:647334, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.833        | -34.69      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.76         | -35.17      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -34.61      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3711.5          | 3.52        | 30          | Pass    | 601         |



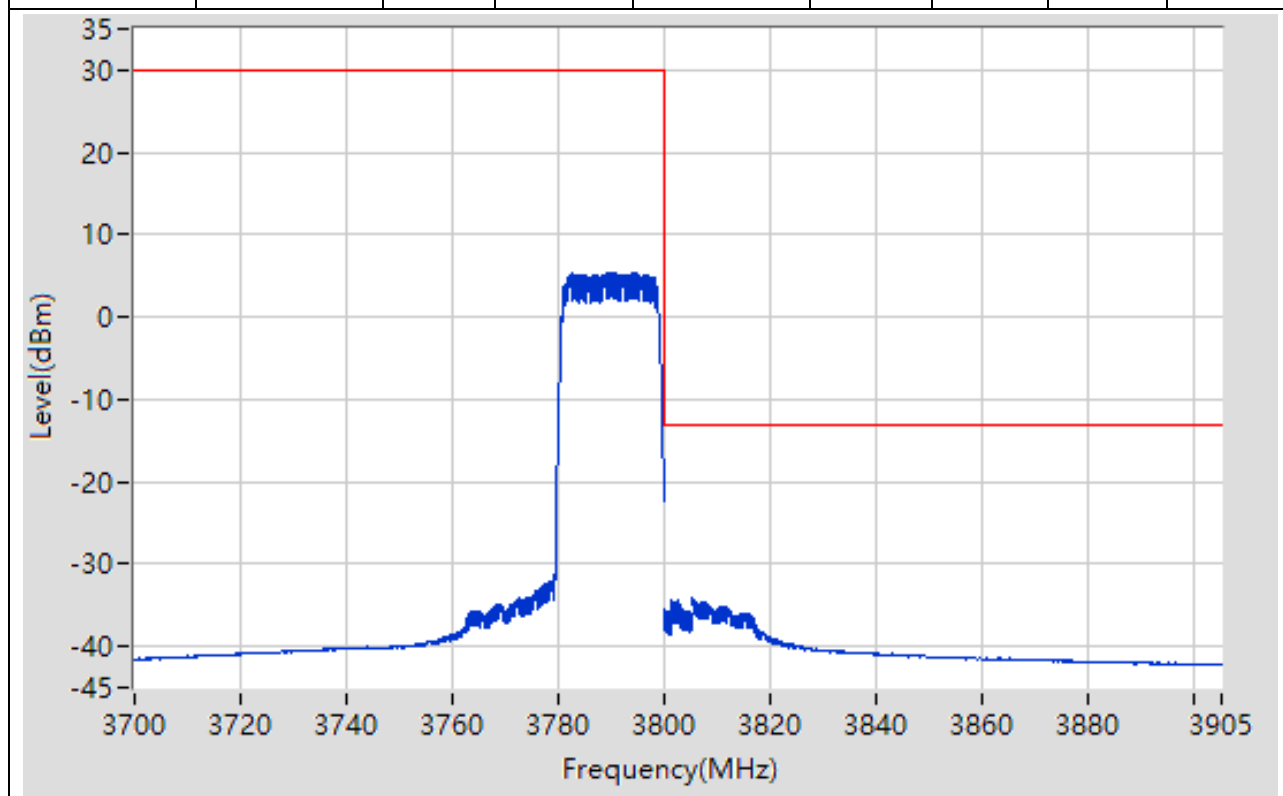
**61.5. Band Edge for SA(NTNV)(Subtest:5, Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3799            | 15.73       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800            | -21.98      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.533        | -38.21      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805            | -39.41      | -13         | Pass    | 601         |



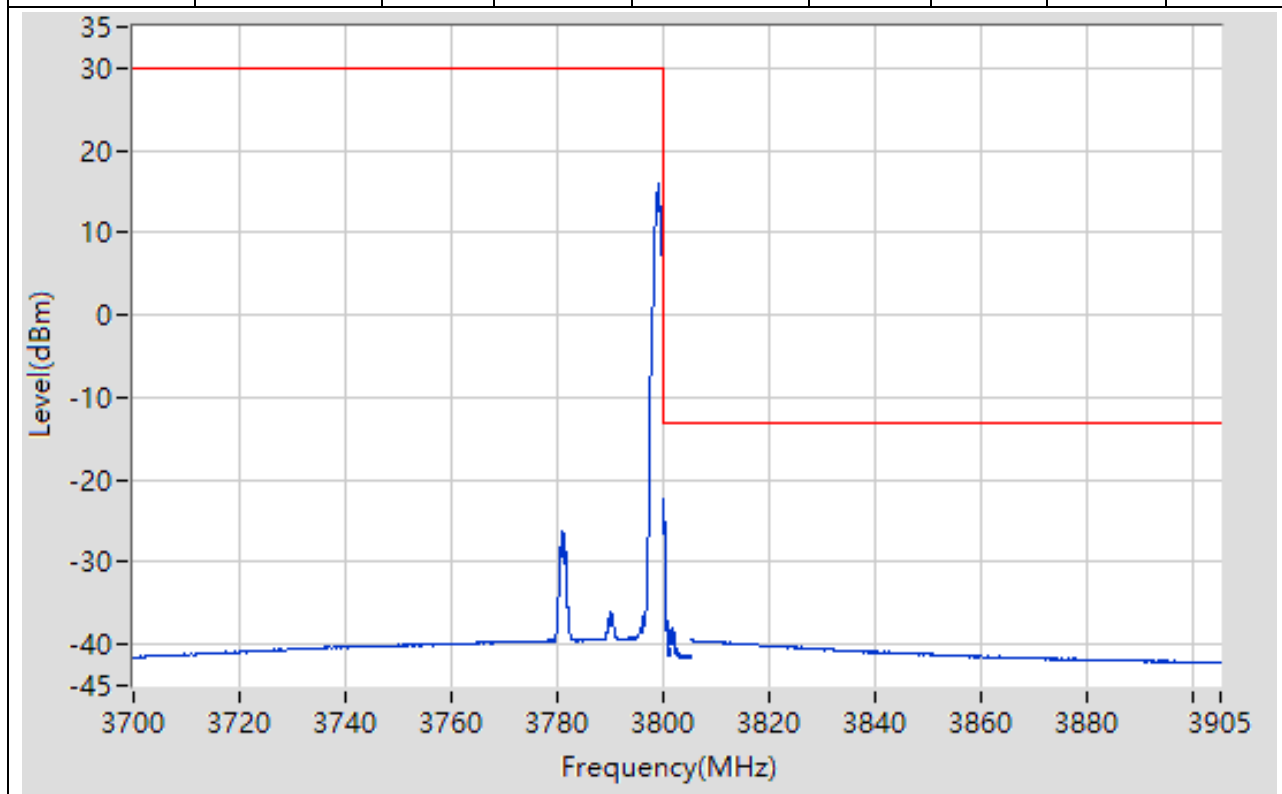
**61.6. Band Edge for SA(NTNV)(Subtest:6, Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3790            | 5.39        | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.01         | -35.41      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.02         | -34.3       | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805            | -34.2       | -13         | Pass    | 601         |



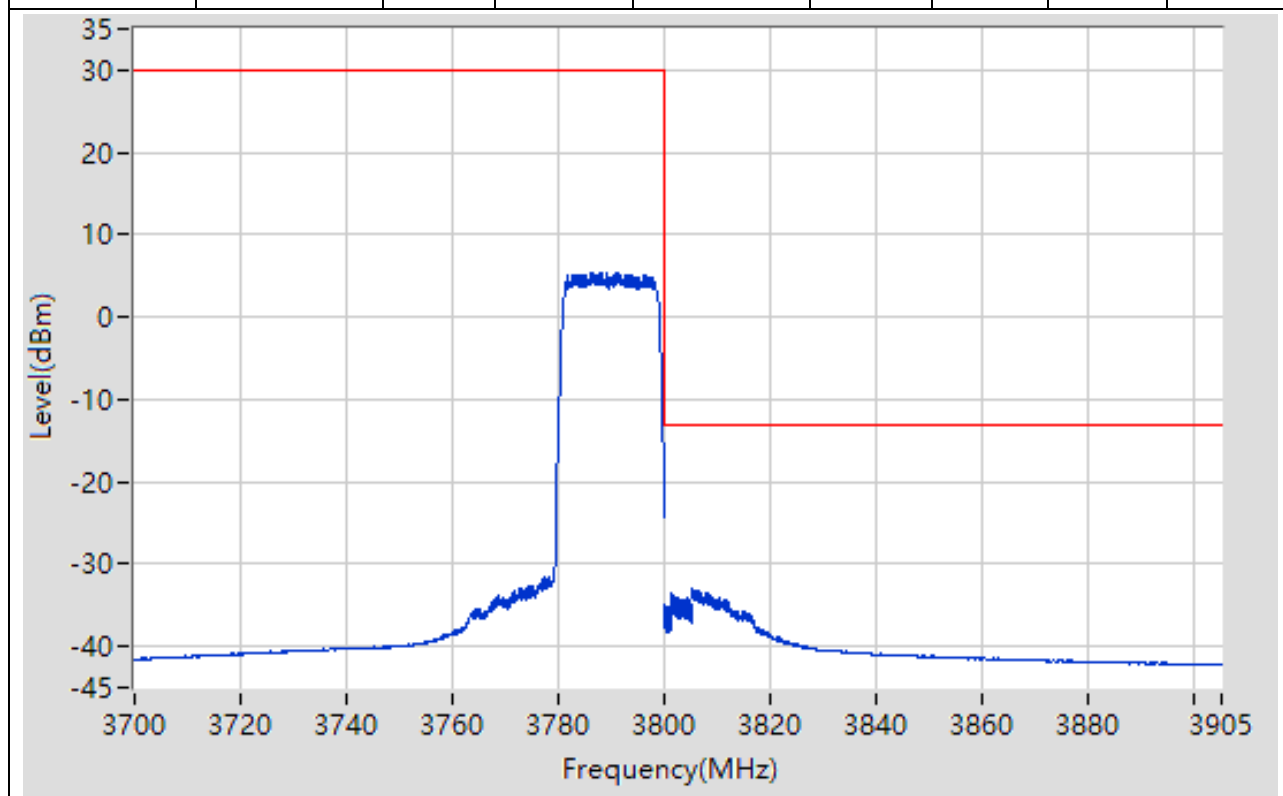
**61.7. Band Edge for SA(NTNV)(Subtest:7, Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3799            | 15.86       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800            | -22.28      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.633        | -38.08      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.167        | -39.44      | -13         | Pass    | 601         |



**61.8. Band Edge for SA(NTNV)(Subtest:8, Channel:652666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

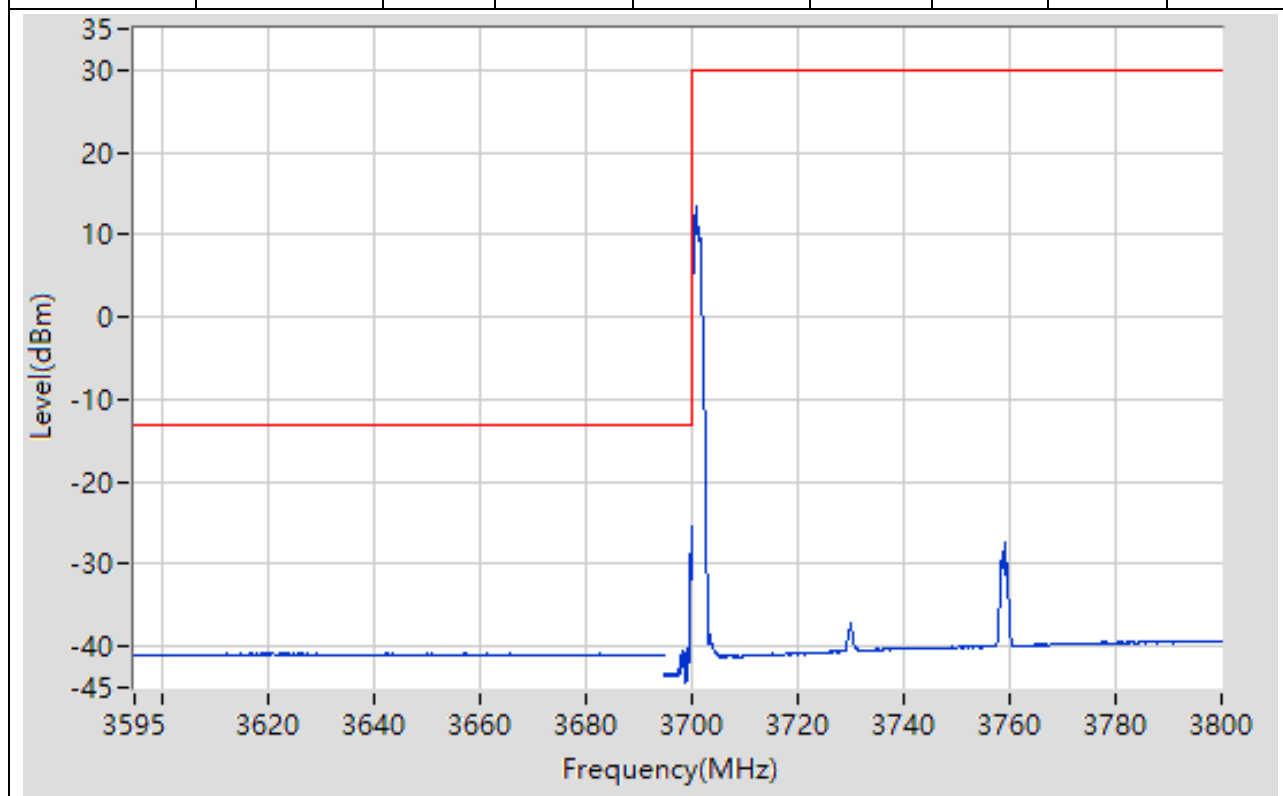
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3791.333        | 5.4         | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.003        | -34.97      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.073        | -33.49      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805            | -32.92      | -13         | Pass    | 601         |





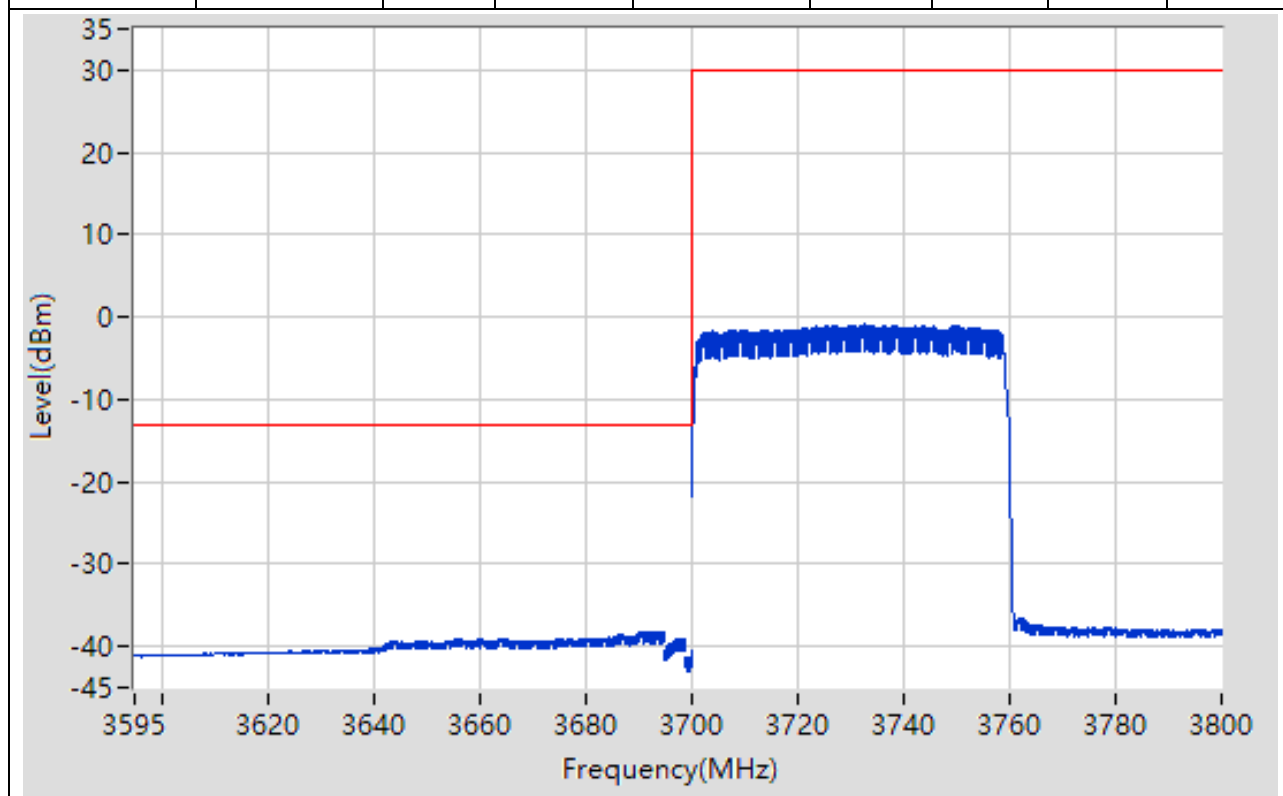
**61.9. Band Edge for SA(NTNV)(Subtest:1, Channel:648668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3619.5          | -40.86      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.427        | -40.49      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -25.34      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 13.44       | 30          | Pass    | 601         |



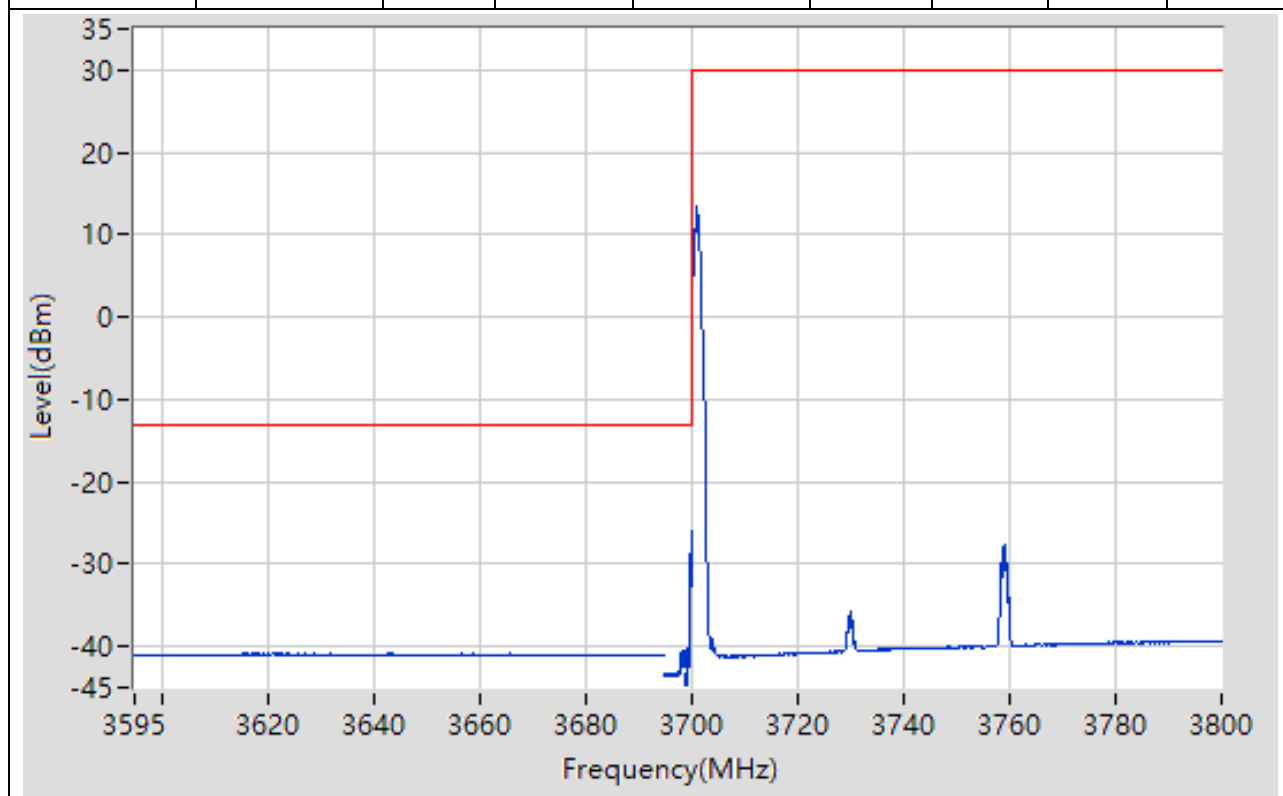
**61.10. Band Edge for SA(NTNV)(Subtest:2, Channel:648668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3695            | -38.19      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.827        | -39.04      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -40.54      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3732.833        | -0.91       | 30          | Pass    | 601         |



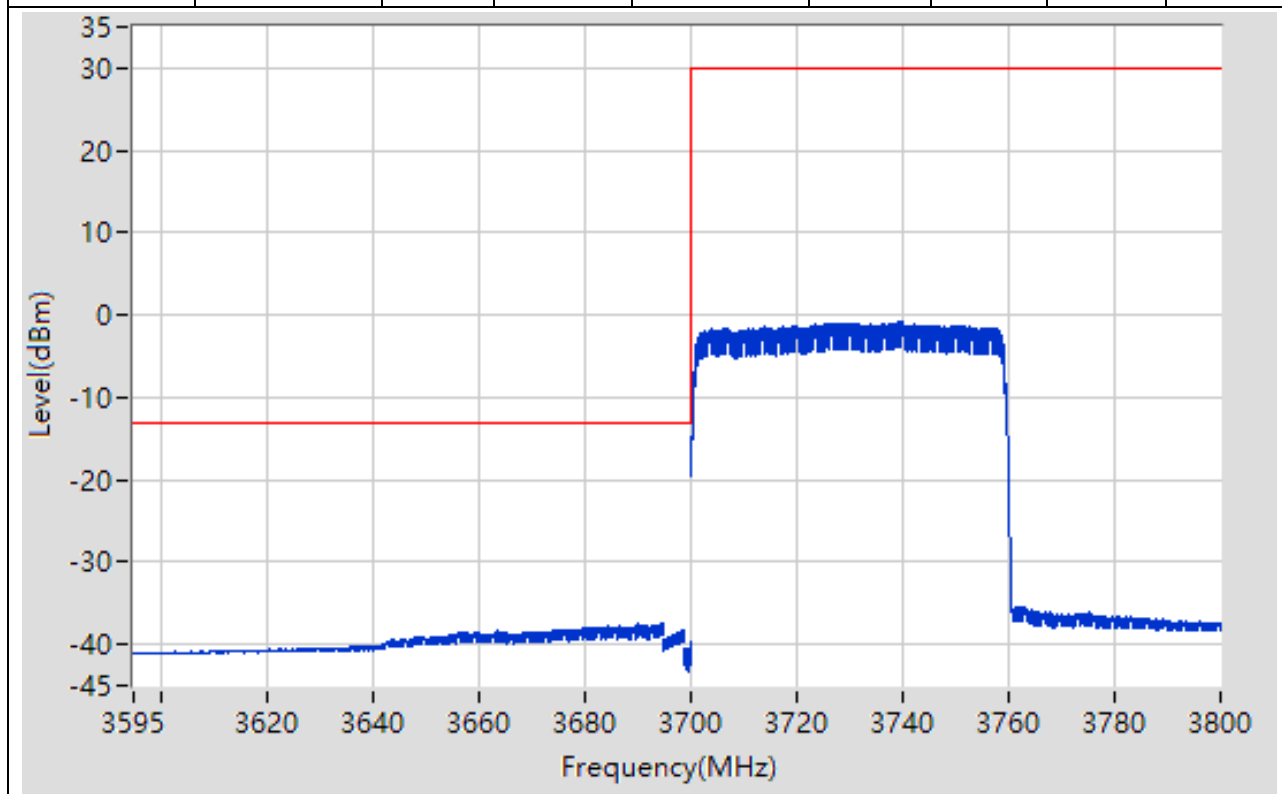
**61.11. Band Edge for SA(NTNV)(Subtest:3, Channel:648668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3666            | -40.88      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.293        | -40.56      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -25.99      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 13.44       | 30          | Pass    | 601         |



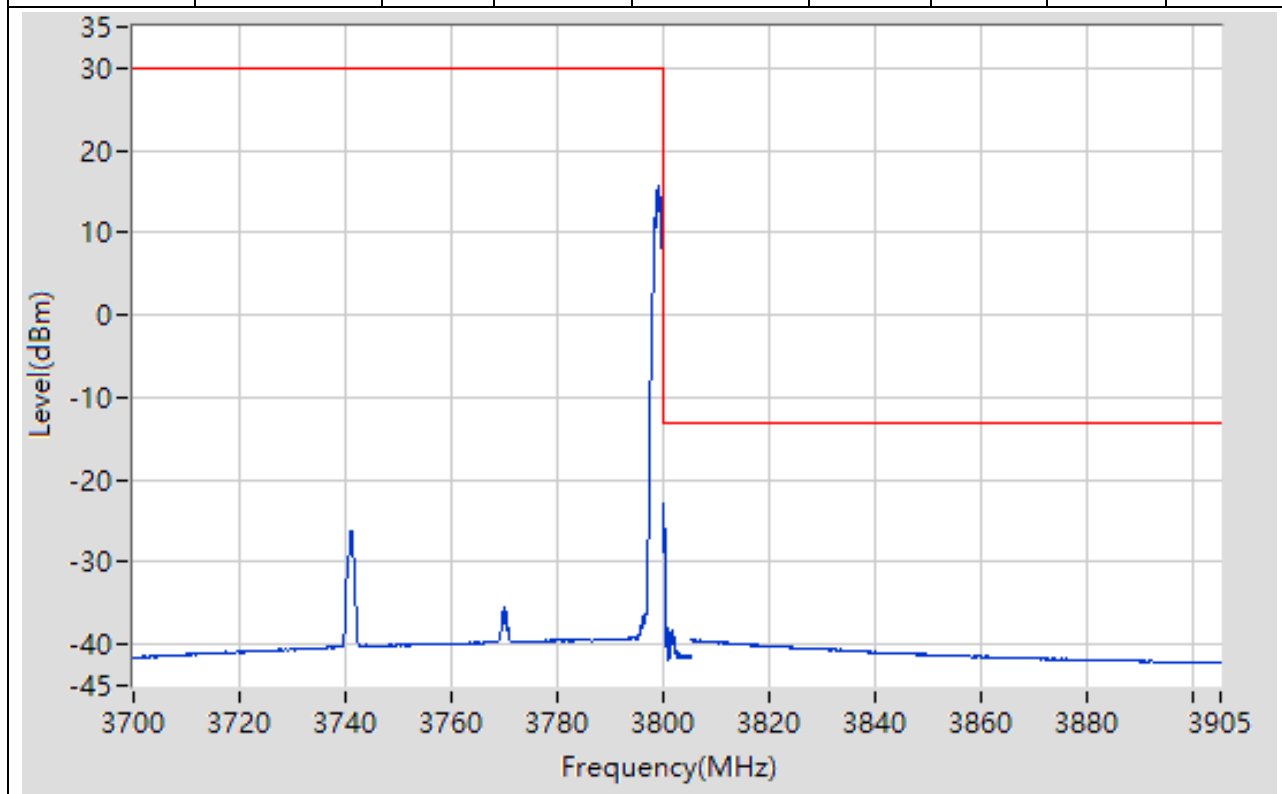
**61.12. Band Edge for SA(NTNV)(Subtest:4, Channel:648668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.833        | -37.43      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.72         | -38.23      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.993        | -39.82      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3739.167        | -0.84       | 30          | Pass    | 601         |



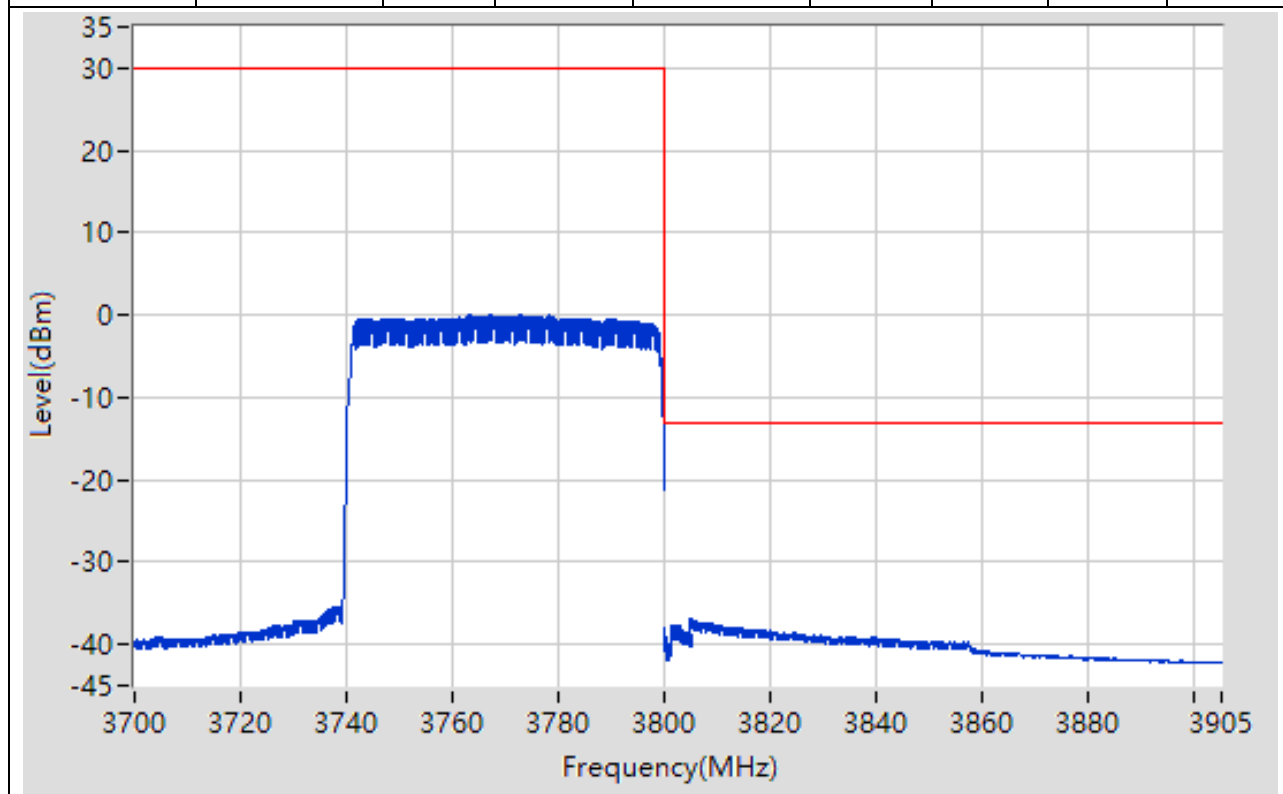
**61.13. Band Edge for SA(NTNV)(Subtest:5, Channel:651332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3798.833        | 15.64       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800            | -22.8       | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.52         | -38.35      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3806.167        | -39.51      | -13         | Pass    | 601         |



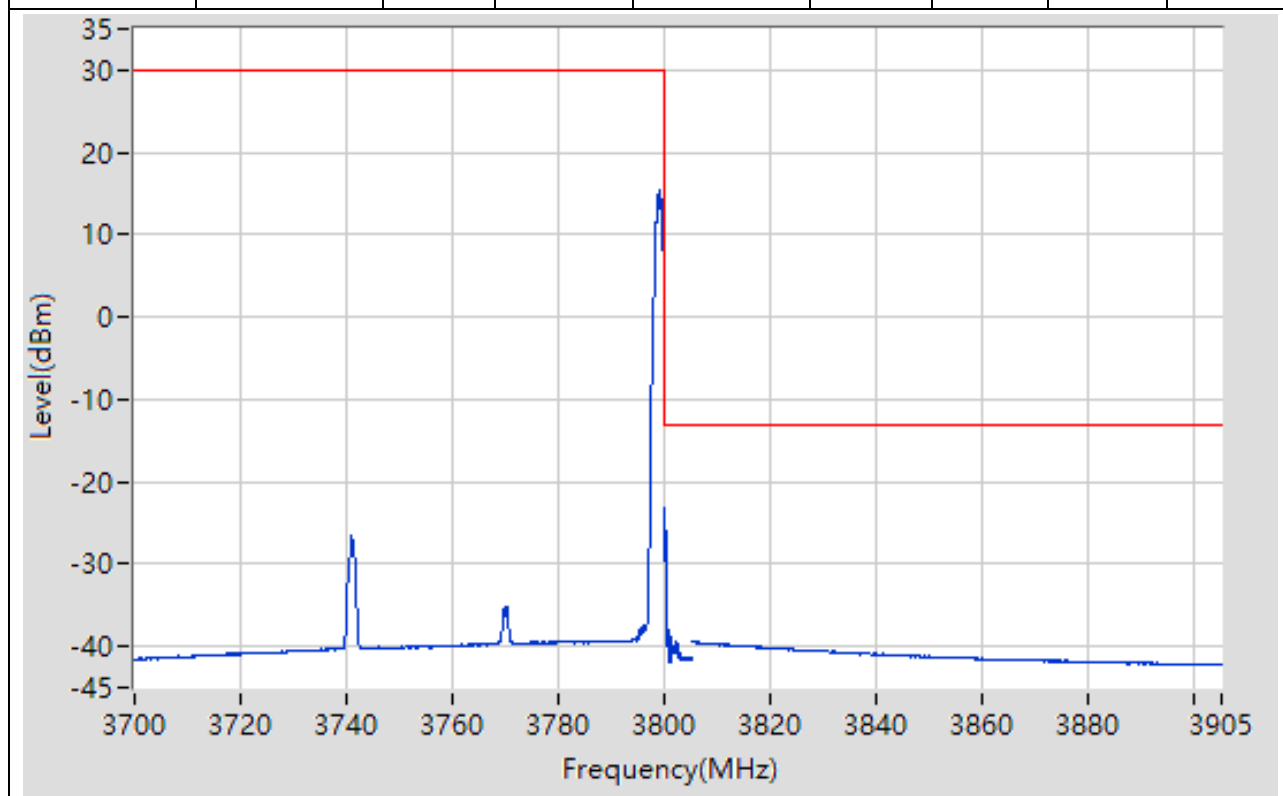
**61.14. Band Edge for SA(NTNV)(Subtest:6, Channel:651332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3772.833        | 0.13        | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800            | -38         | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3804.88         | -37         | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.167        | -36.96      | -13         | Pass    | 601         |



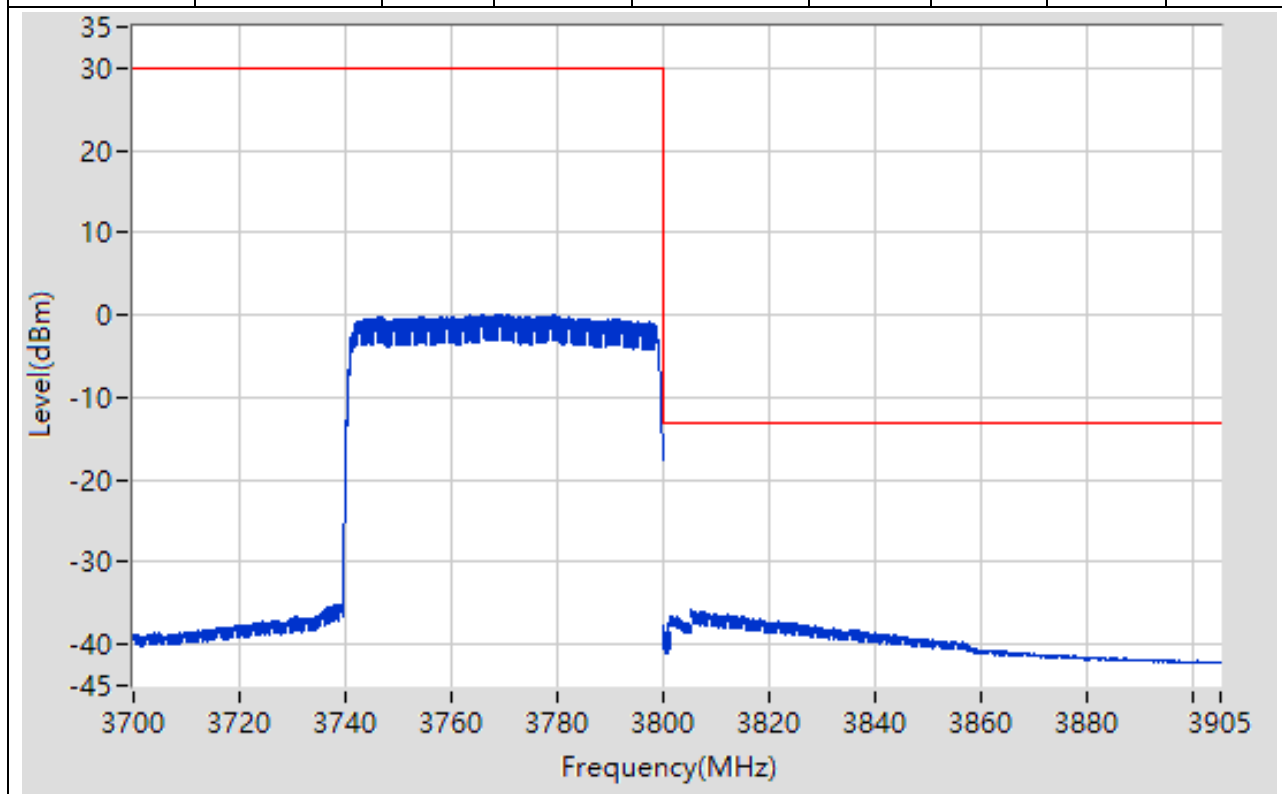
**61.15. Band Edge for SA(NTNV)(Subtest:7, Channel:651332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3798.833        | 15.53       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.01         | -23.08      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.04         | -38.72      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.167        | -39.4       | -13         | Pass    | 601         |



**61.16. Band Edge for SA(NTNV)(Subtest:8, Channel:651332, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

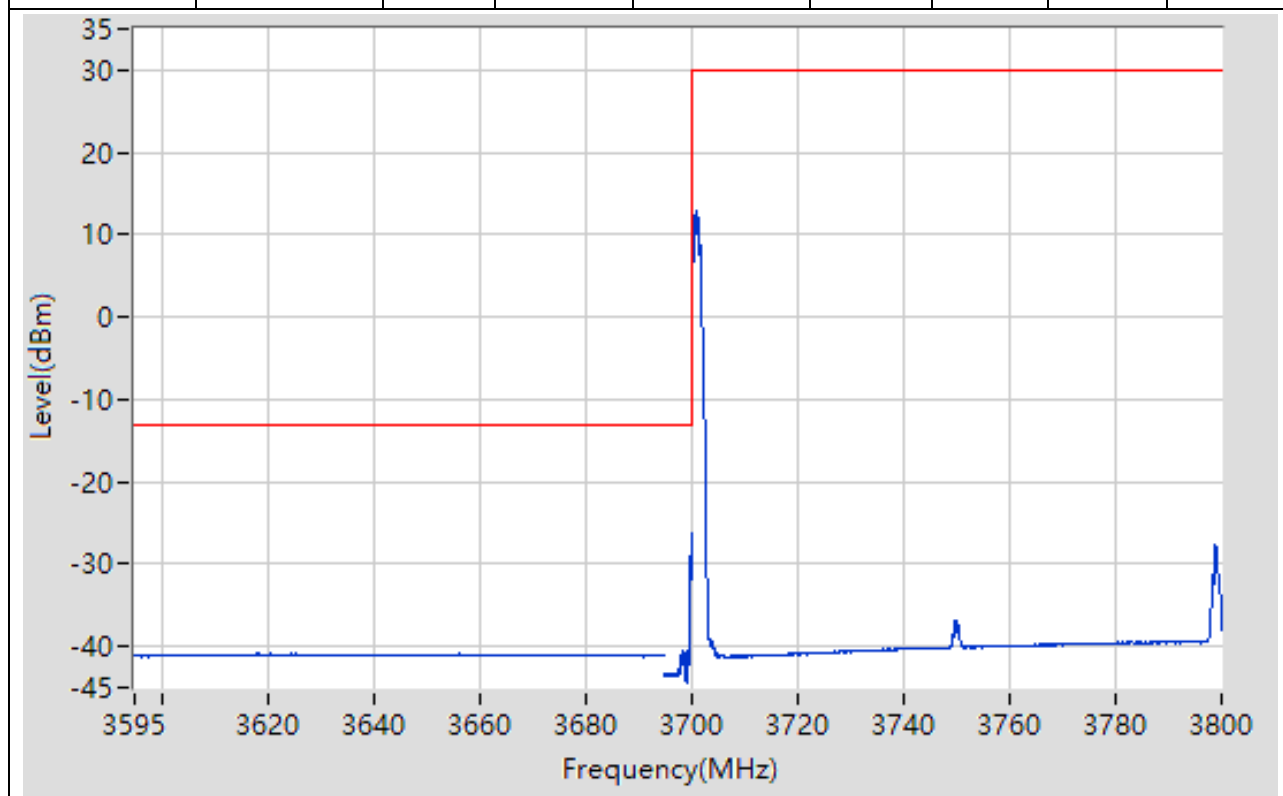
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3779.5          | 0.08        | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.643        | -37.39      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.28         | -36.63      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.167        | -35.8       | -13         | Pass    | 601         |





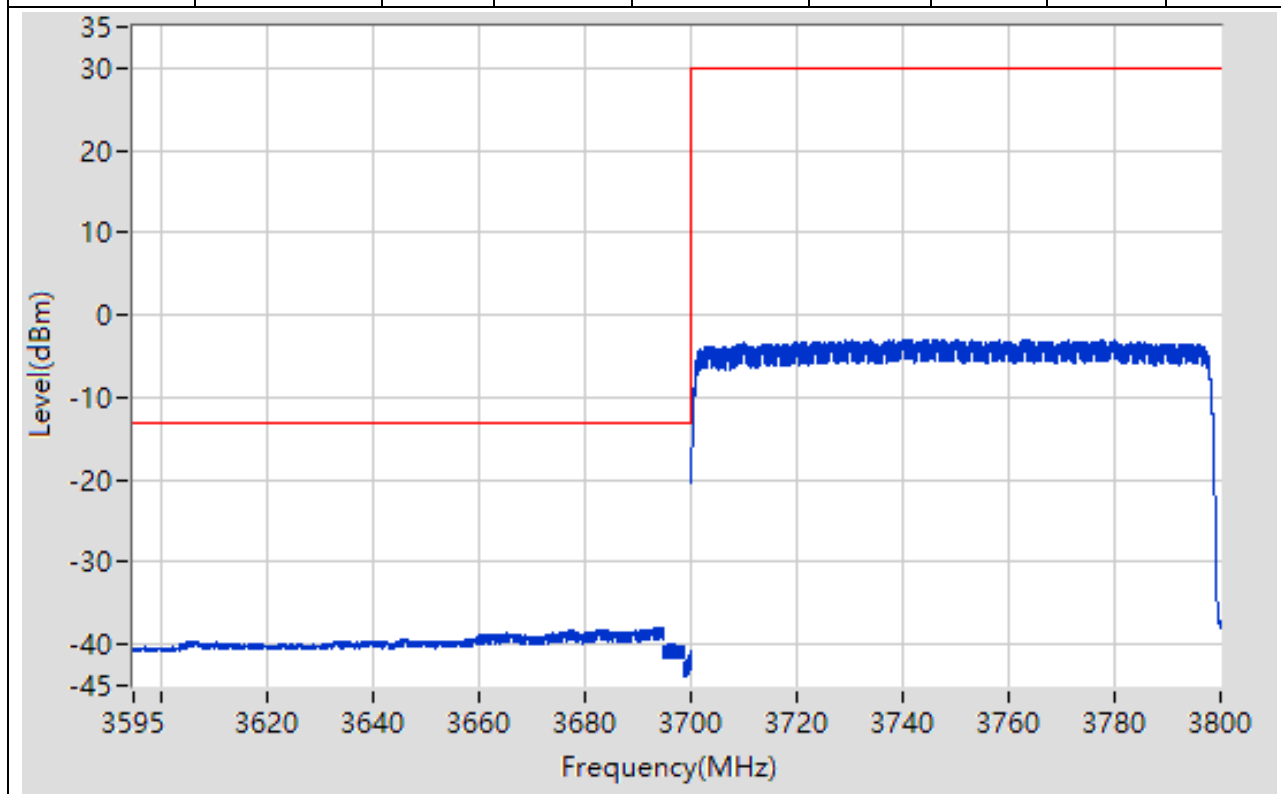
**61.17. Band Edge for SA(NTNV)(Subtest:1, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3620.5          | -40.91      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.48         | -40.62      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -26.24      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701.167        | 12.93       | 30          | Pass    | 601         |



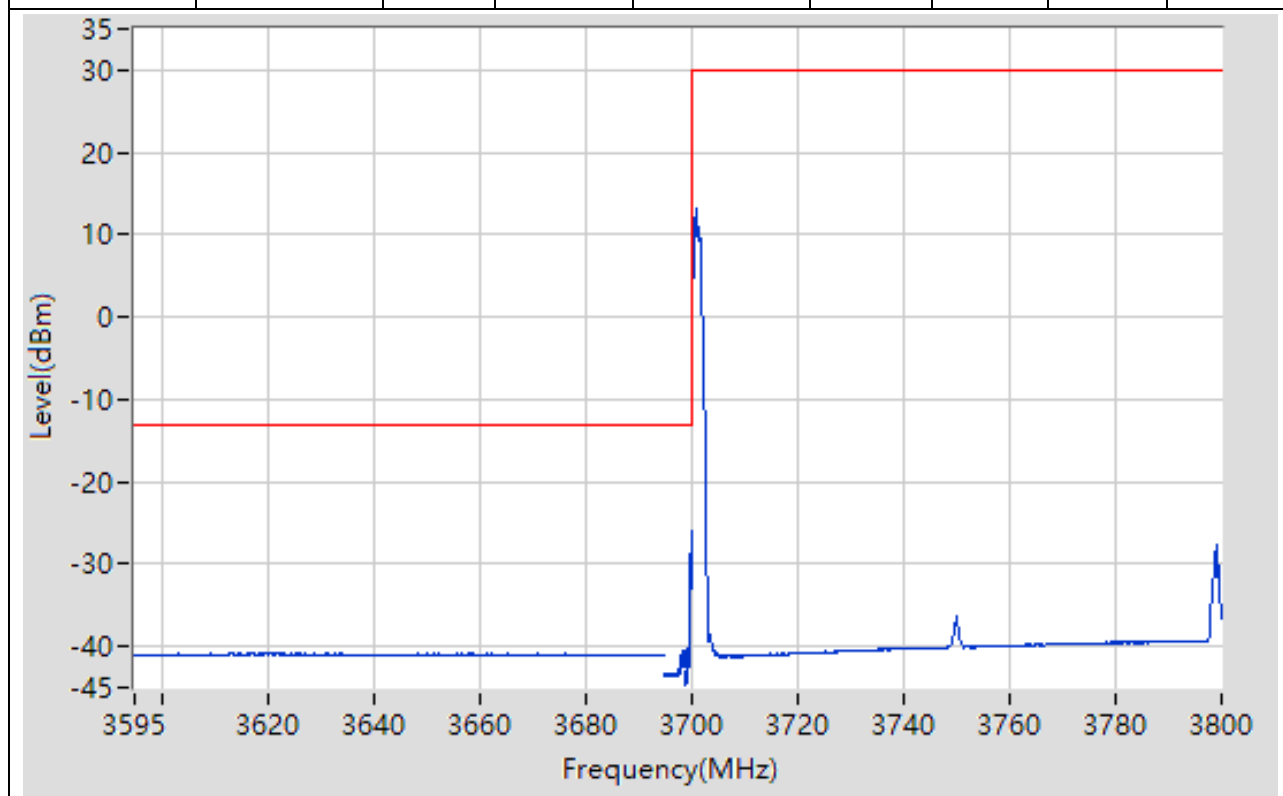
**61.18. Band Edge for SA(NTNV)(Subtest:2, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3694.333        | -37.9       | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3695.96         | -39.87      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3700            | -40.78      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3740.5          | -2.95       | 30          | Pass    | 601         |



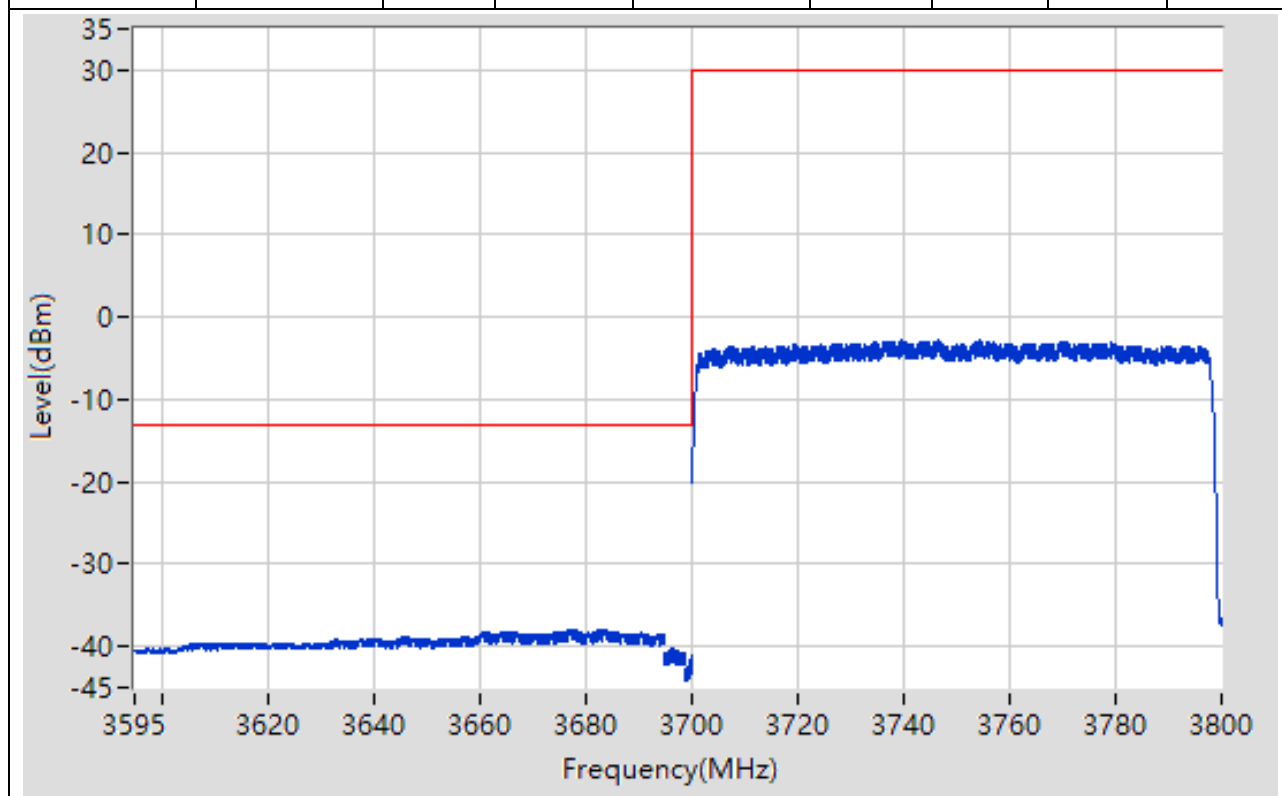
**61.19. Band Edge for SA(NTNV)(Subtest:3, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3617.333        | -40.84      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3698.32         | -40.47      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.992        | -26         | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3701            | 13.12       | 30          | Pass    | 601         |



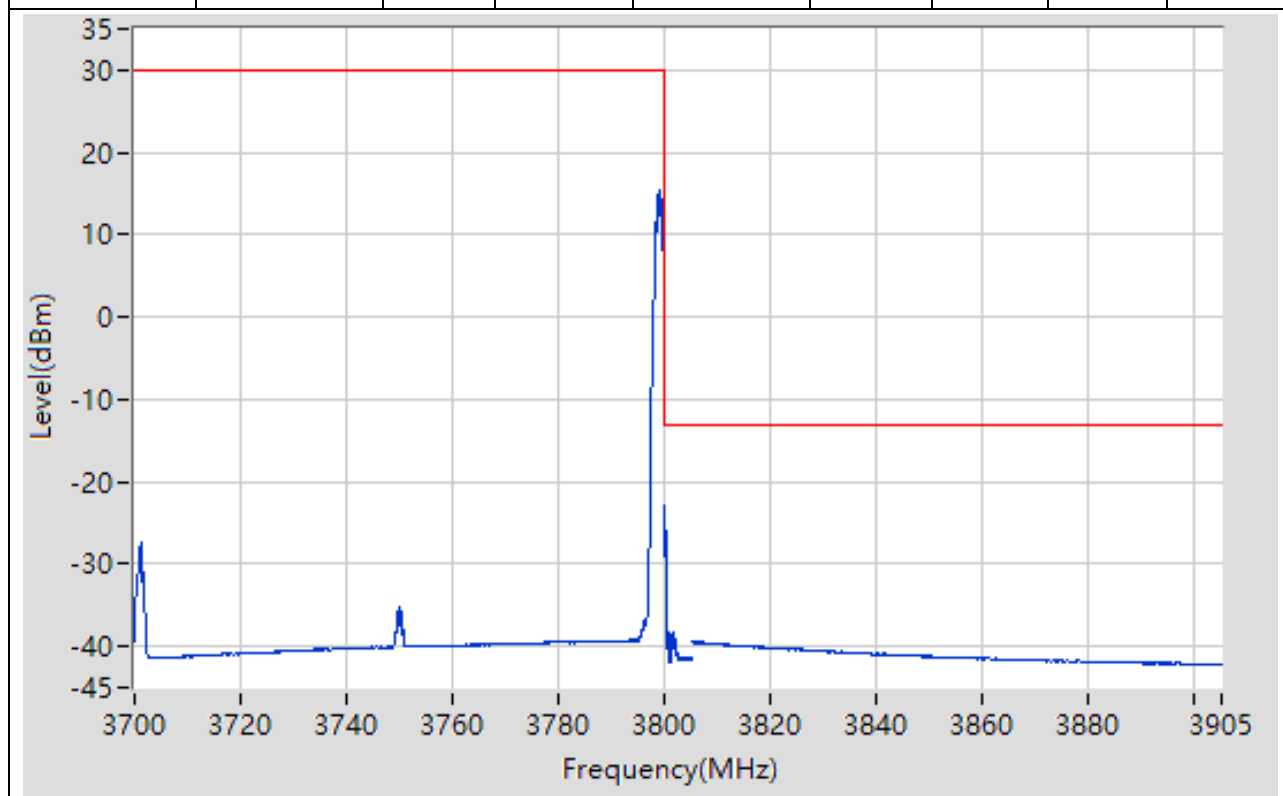
**61.20. Band Edge for SA(NTNV)(Subtest:4, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3595                  | 3695                 | 1         | RMS      | 3683.5          | -37.88      | -13         | Pass    | 601         |
| 3695                  | 3699                 | 0.62      | RMS      | 3696.38         | -40.36      | -13         | Pass    | 601         |
| 3699                  | 3700                 | 0.39      | RMS      | 3699.998        | -41.08      | -13         | Pass    | 601         |
| 3700                  | 3800                 | 1         | RMS      | 3739.5          | -2.8        | 30          | Pass    | 601         |



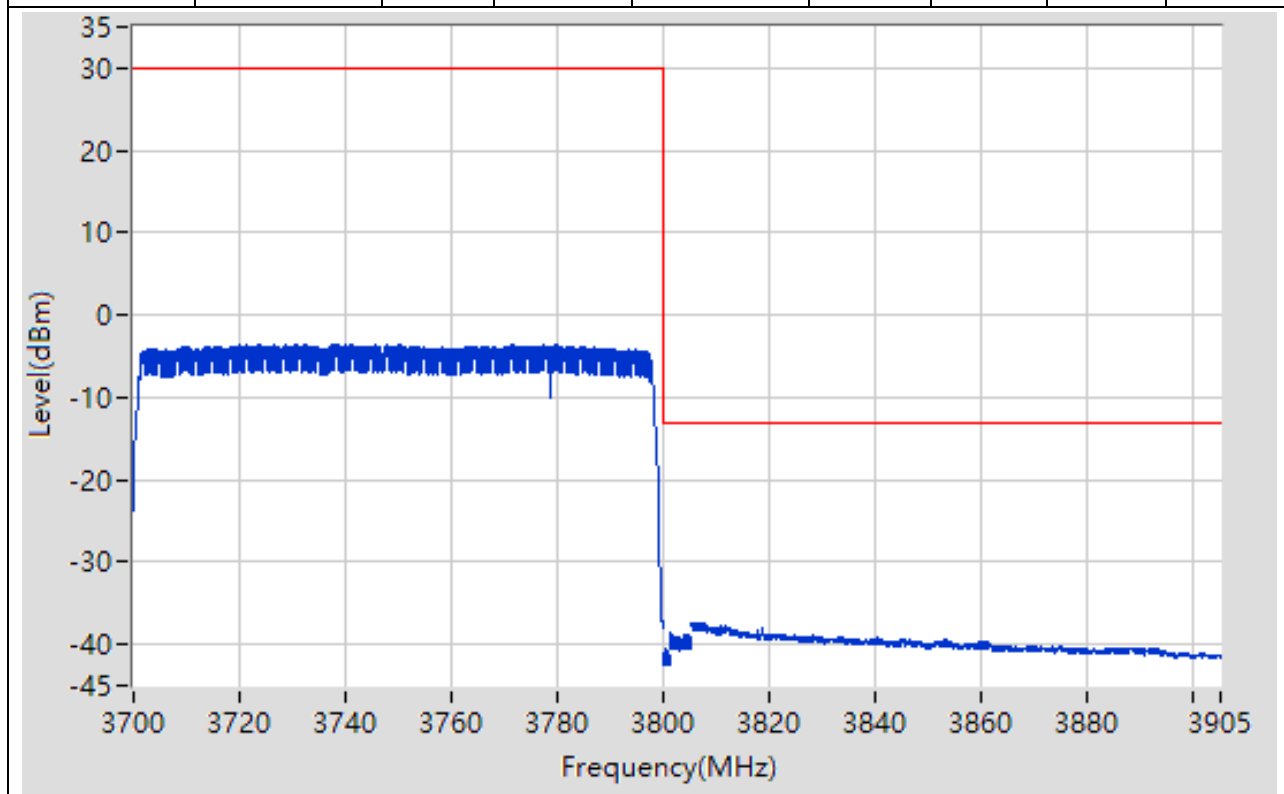
**61.21. Band Edge for SA(NTNV)(Subtest:5, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3798.833        | 15.4        | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.002        | -23.02      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.493        | -38.42      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805.167        | -39.47      | -13         | Pass    | 601         |



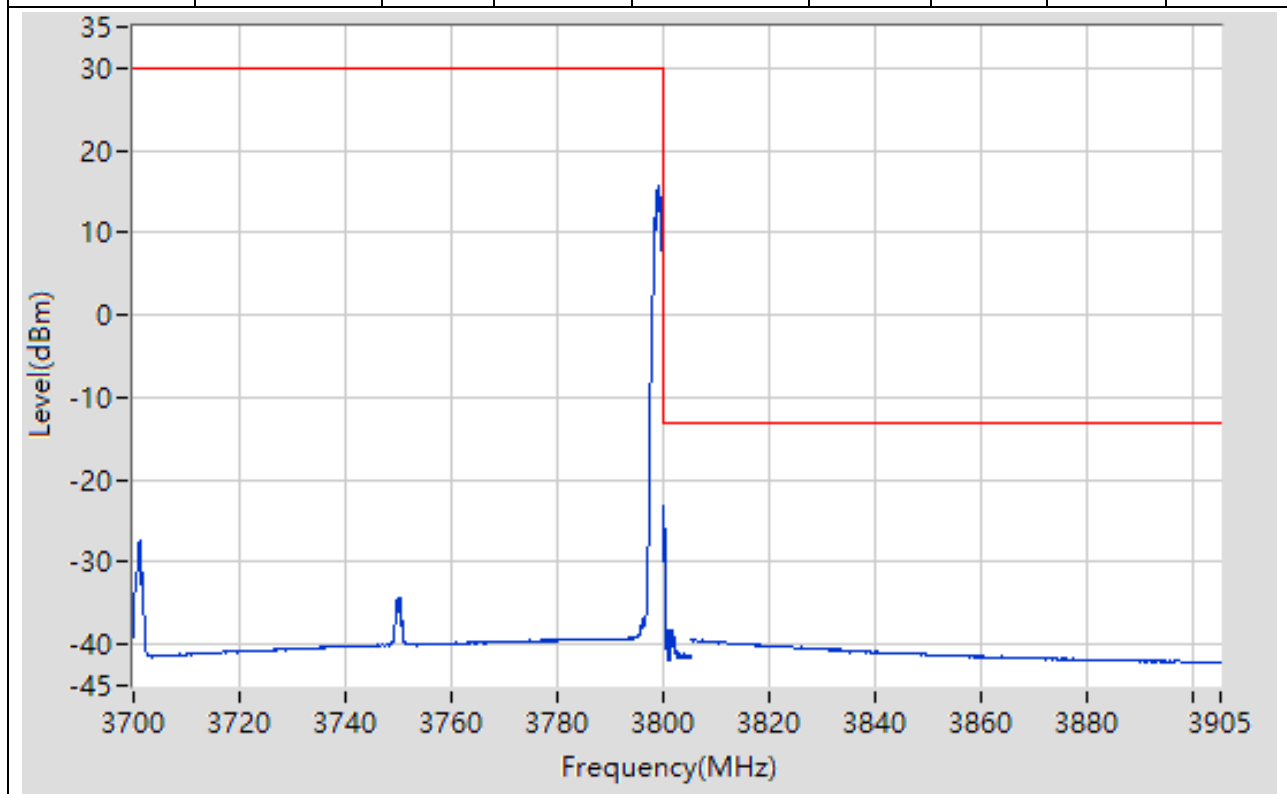
**61.22. Band Edge for SA(NTNV)(Subtest:6, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3771.333        | -3.65       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.347        | -40.59      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.32         | -38.65      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805            | -37.35      | -13         | Pass    | 601         |



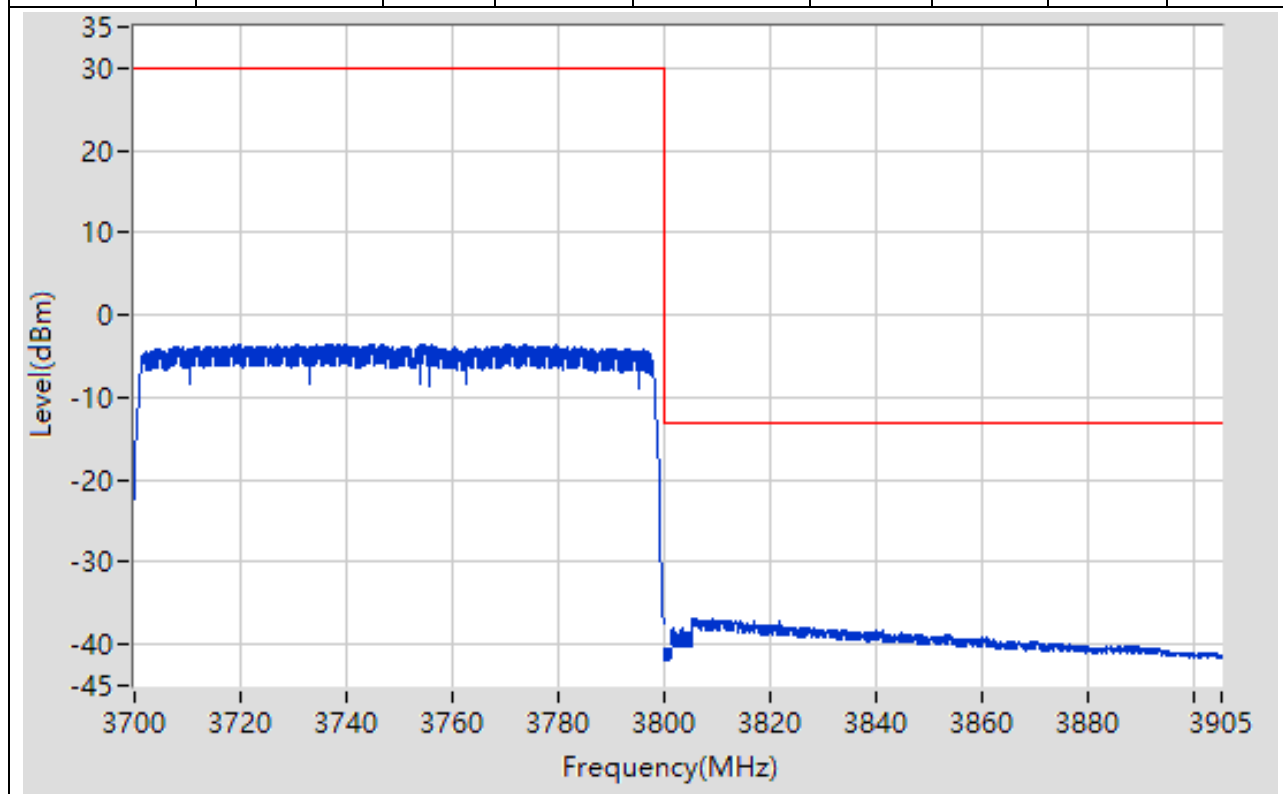
**61.23. Band Edge for SA(NTNV)(Subtest:7, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3798.833        | 15.56       | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.015        | -23.24      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.307        | -38.27      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3805            | -39.48      | -13         | Pass    | 601         |



**61.24. Band Edge for SA(NTNV)(Subtest:8, Channel:650000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3700                  | 3800                 | 1         | RMS      | 3746.833        | -3.5        | 30          | Pass    | 601         |
| 3800                  | 3801                 | 0.39      | RMS      | 3800.502        | -40.43      | -13         | Pass    | 601         |
| 3801                  | 3805                 | 0.62      | RMS      | 3801.553        | -37.91      | -13         | Pass    | 601         |
| 3805                  | 3905                 | 1         | RMS      | 3808.833        | -36.79      | -13         | Pass    | 601         |

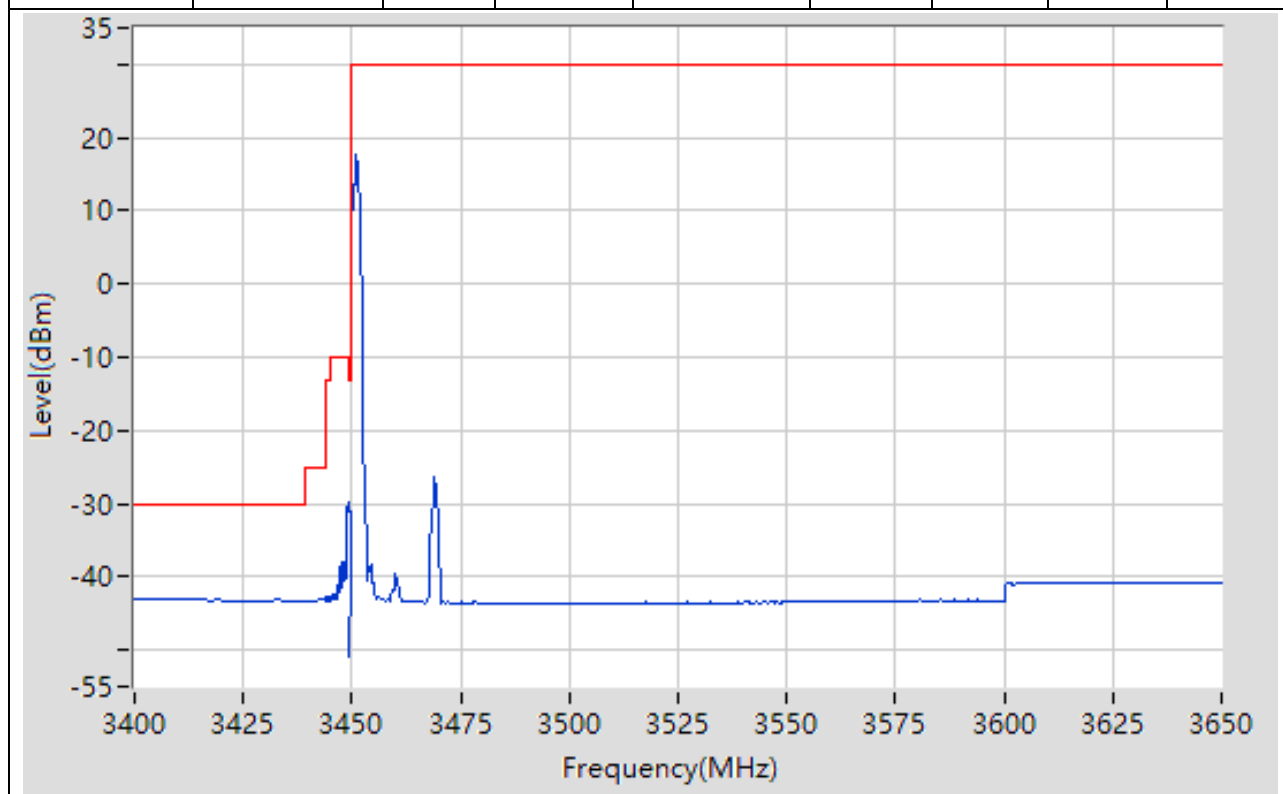




## 62. n78 30kHz(3450-3650MHz)\_MIMO-ANT1

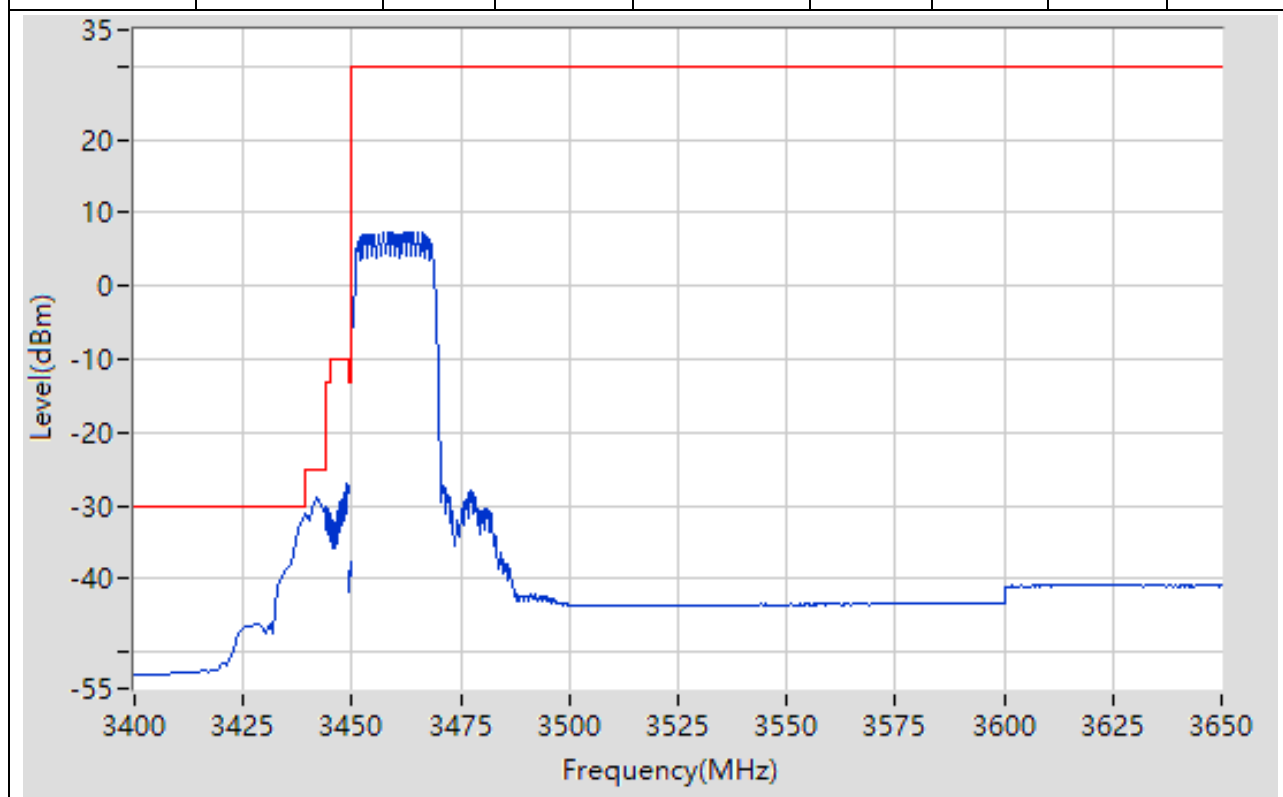
62.1. Band Edge for SA\_IC(NTNV)(Subtest:1, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3400            | -42.96      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -43.07      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.547        | -42.75      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -29.89      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -31.06      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 17.57       | 30          | Pass    | 601         |



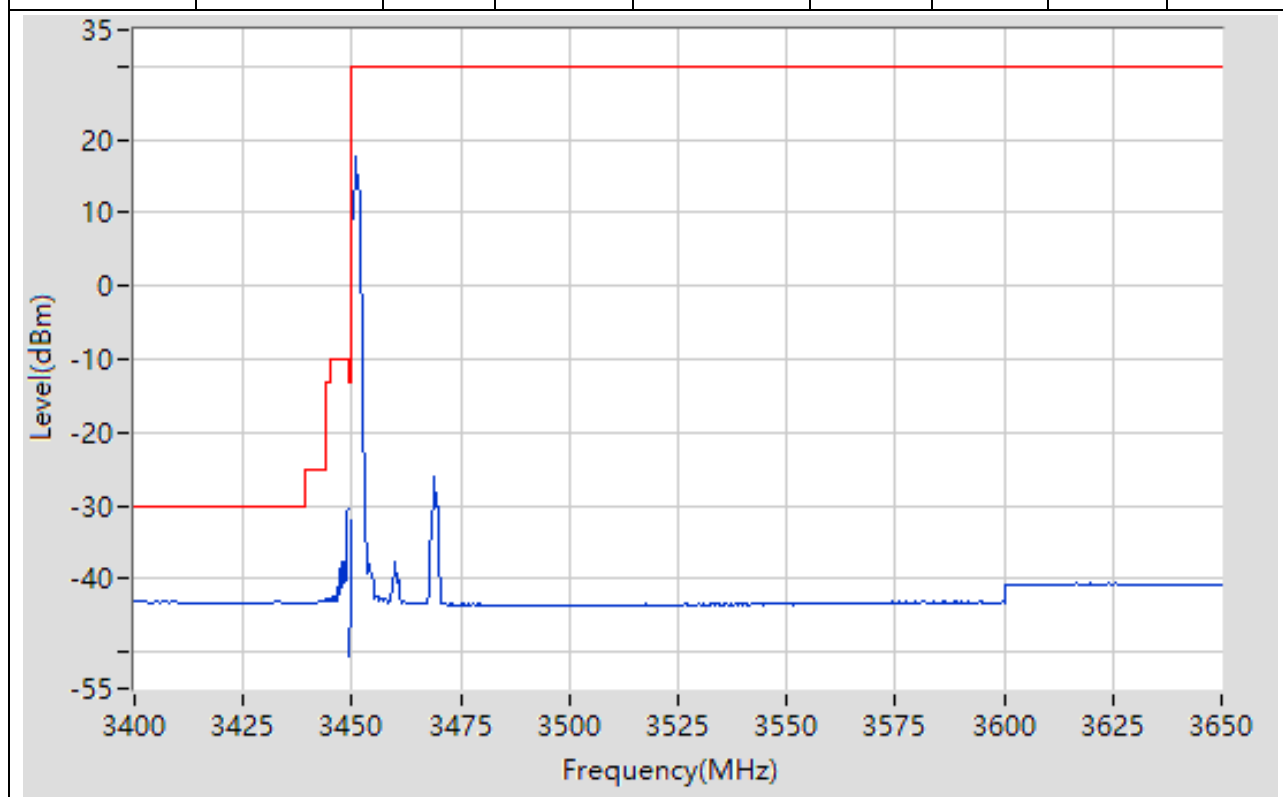
**62.2. Band Edge for SA\_IC(NTNV)(Subtest:2, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3439            | -32.48      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3442            | -28.93      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.073        | -30.17      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.967        | -27.04      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -37.62      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3463            | 7.38        | 30          | Pass    | 601         |



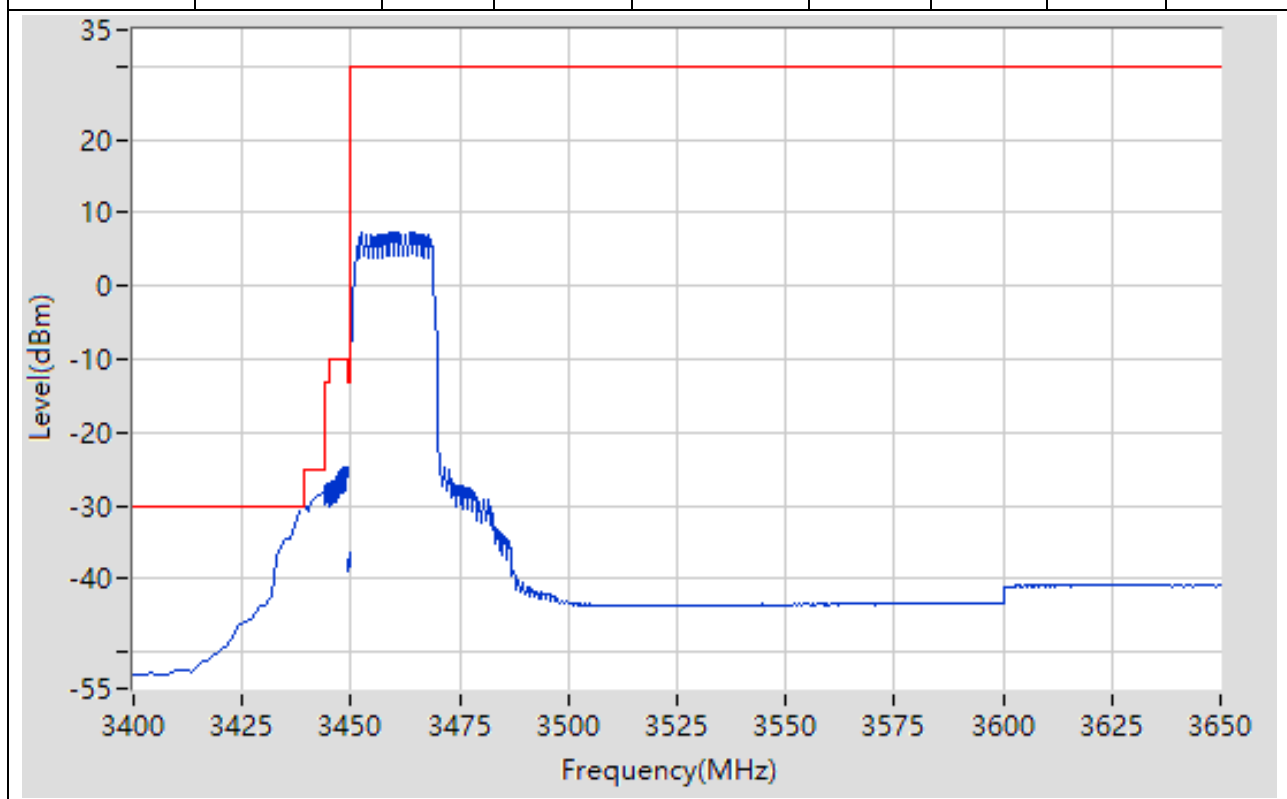
**62.3. Band Edge for SA\_IC(NTNV)(Subtest:3, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3433            | -42.89      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -43.07      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.653        | -42.68      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -30.58      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -32.01      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 17.62       | 30          | Pass    | 601         |



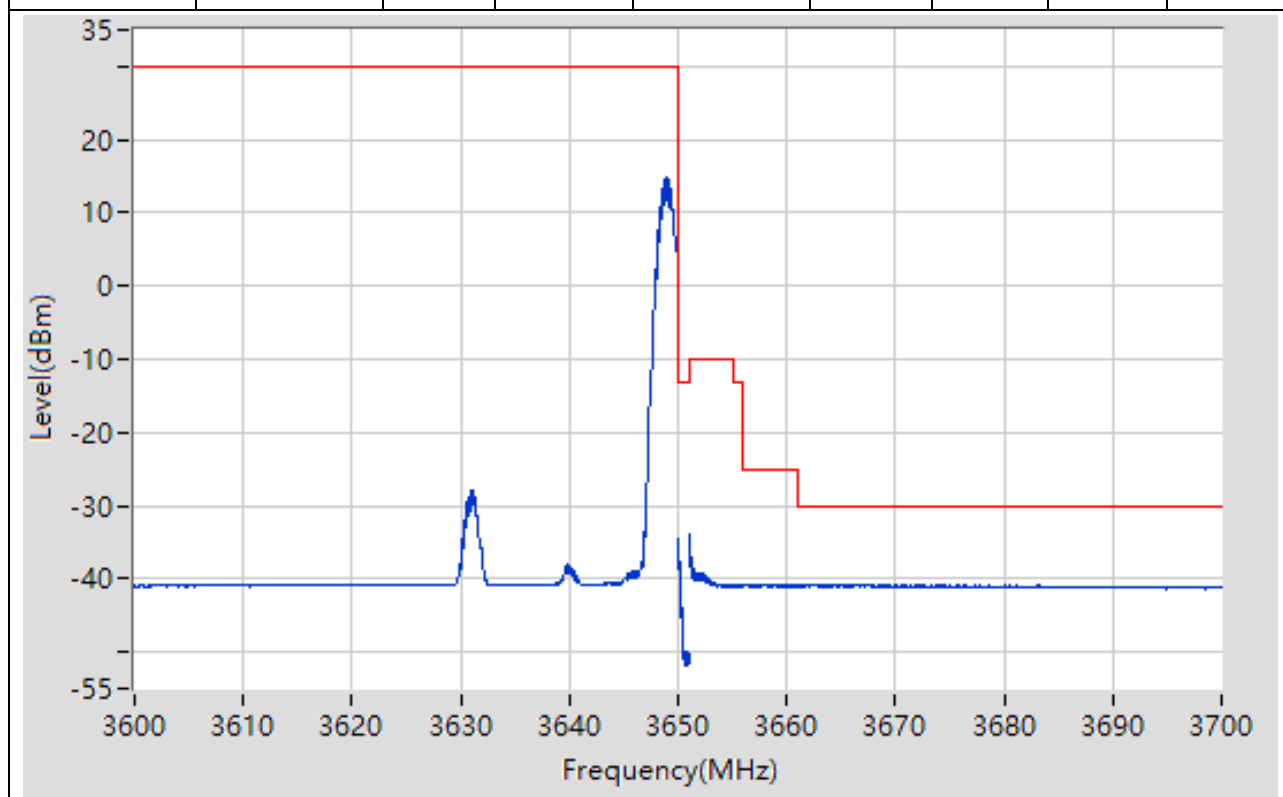
**62.4. Band Edge for SA\_IC(NTNV)(Subtest:4, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3439            | -32.8       | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -28.13      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.898        | -27         | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.96         | -24.82      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3449.588        | -36.55      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3459.667        | 7.41        | 30          | Pass    | 601         |



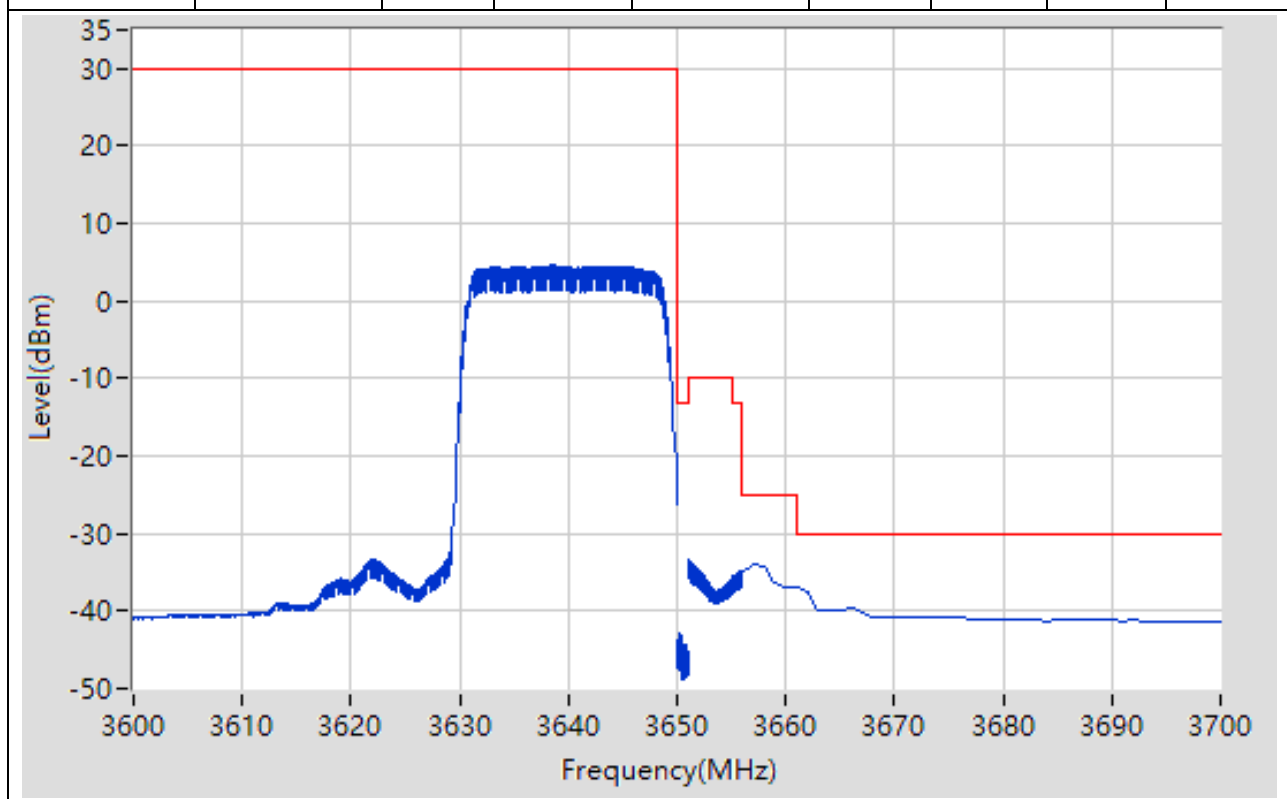
**62.5. Band Edge for SA\_IC(NTNV)(Subtest:5, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3648.917        | 14.76       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.003        | -34.59      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -34.06      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.36         | -40.76      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657.525        | -40.76      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3666.85         | -40.85      | -30         | Pass    | 601         |



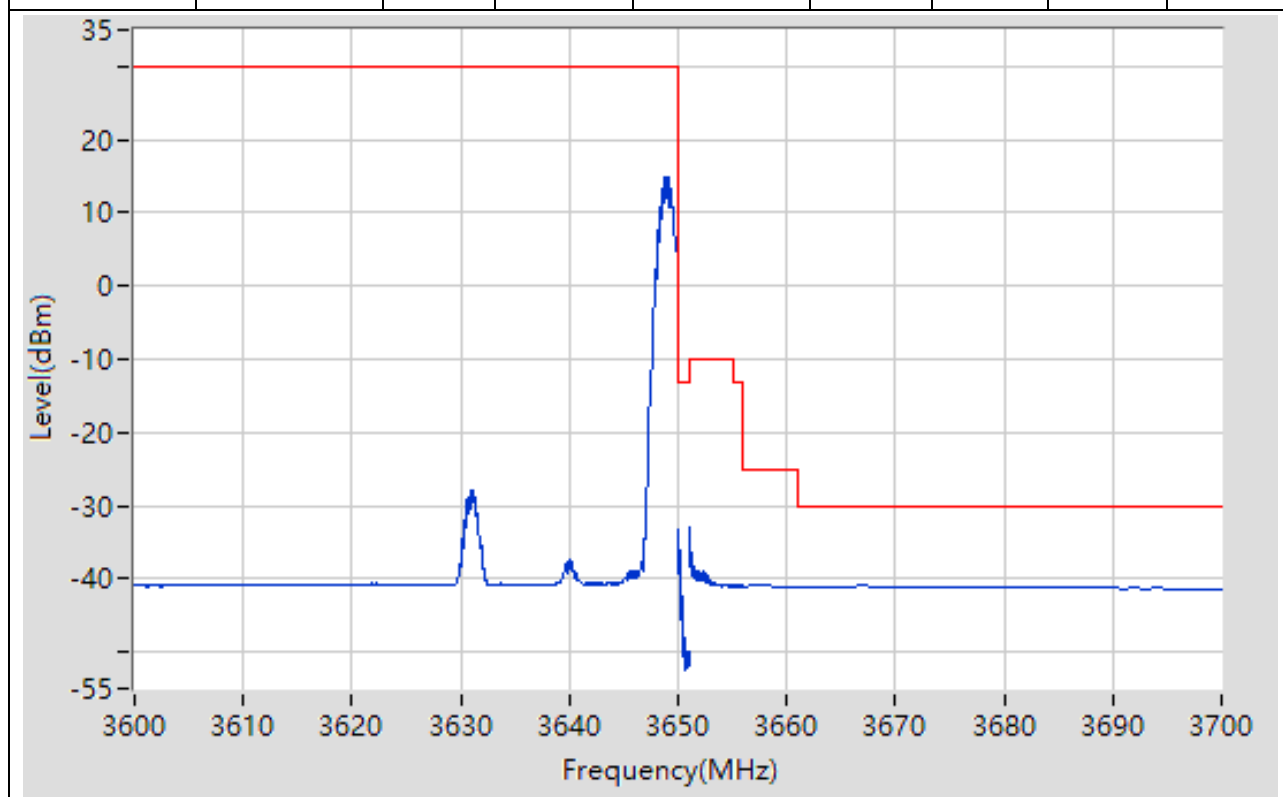
**62.6. Band Edge for SA\_IC(NTNV)(Subtest:6, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3638.583        | 4.58        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.292        | -42.93      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.033        | -33.27      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.99         | -34.7       | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657            | -33.89      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -37         | -30         | Pass    | 40          |



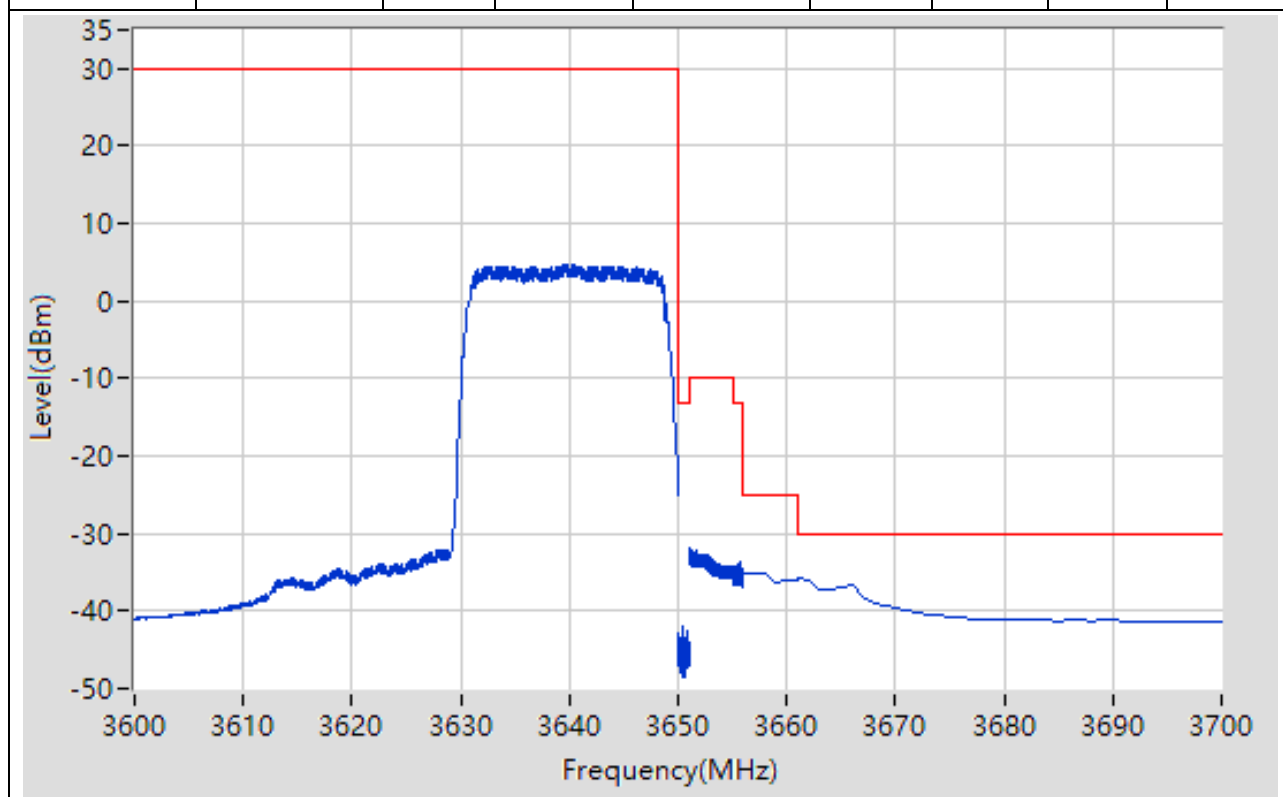
**62.7. Band Edge for SA\_IC(NTNV)(Subtest:7, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3648.917        | 14.83       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.003        | -33.26      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -33.07      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.645        | -40.73      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -40.96      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3667            | -40.99      | -30         | Pass    | 40          |



**62.8. Band Edge for SA\_IC(NTNV)(Subtest:8, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

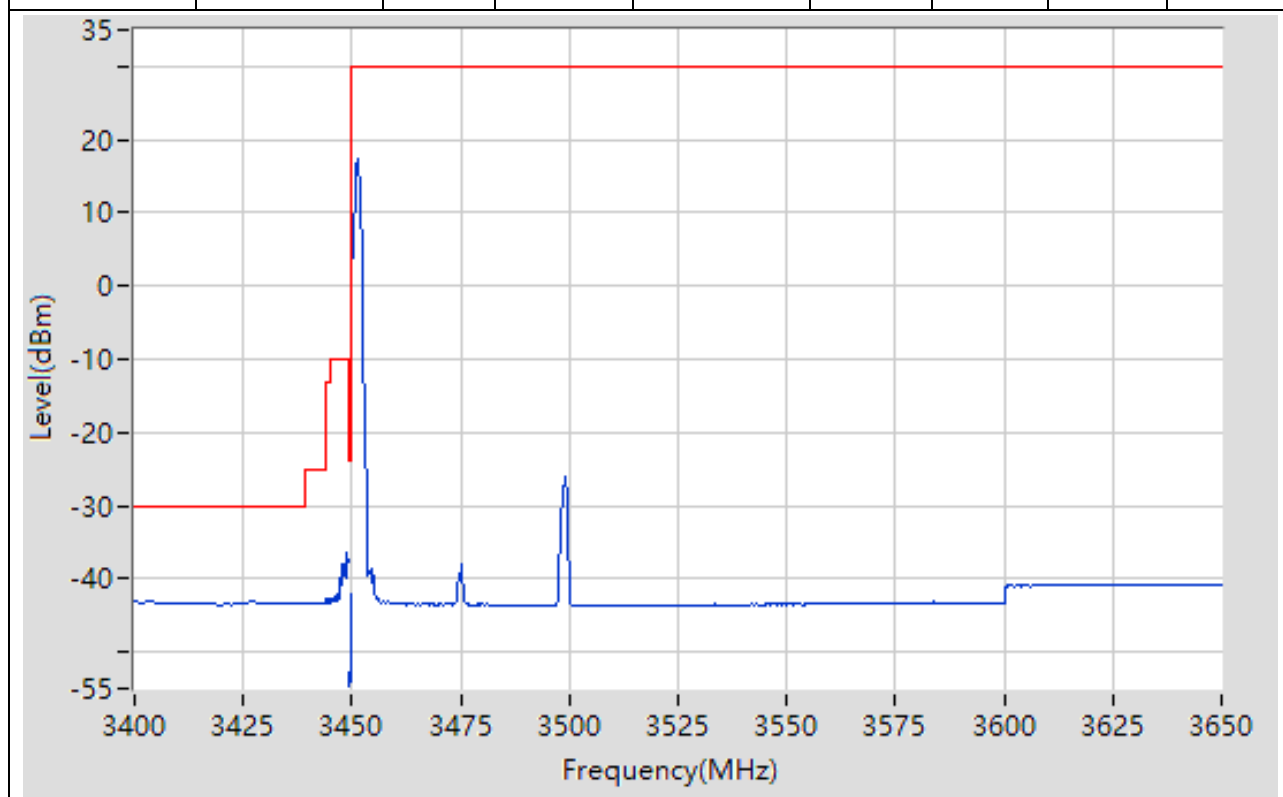
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3640.167        | 4.72        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.485        | -42.02      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -31.95      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.783        | -33.68      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -35.18      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -35.85      | -30         | Pass    | 40          |





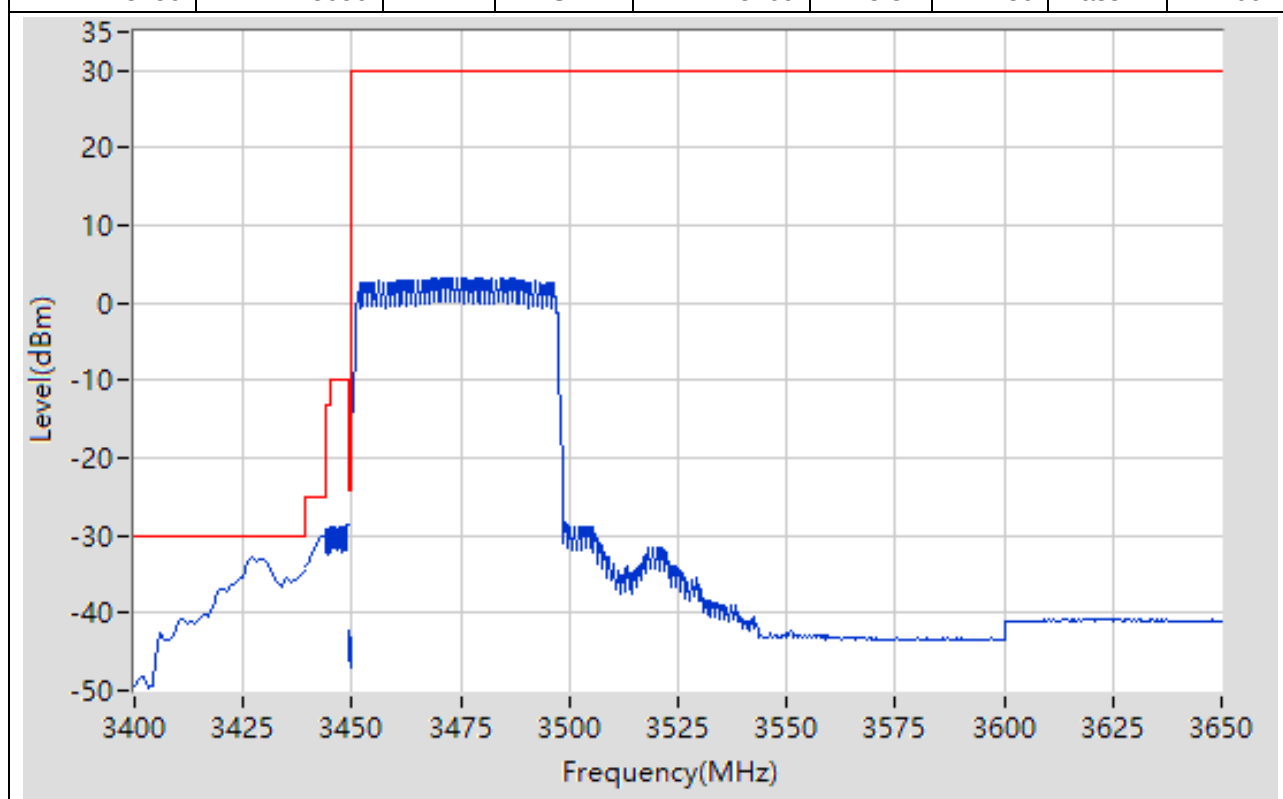
**62.9. Band Edge for SA\_IC(NTNV)(Subtest:9, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3404            | -43.03      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -43.22      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.475        | -42.77      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.993        | -36.3       | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -42.14      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451.333        | 17.22       | 30          | Pass    | 601         |



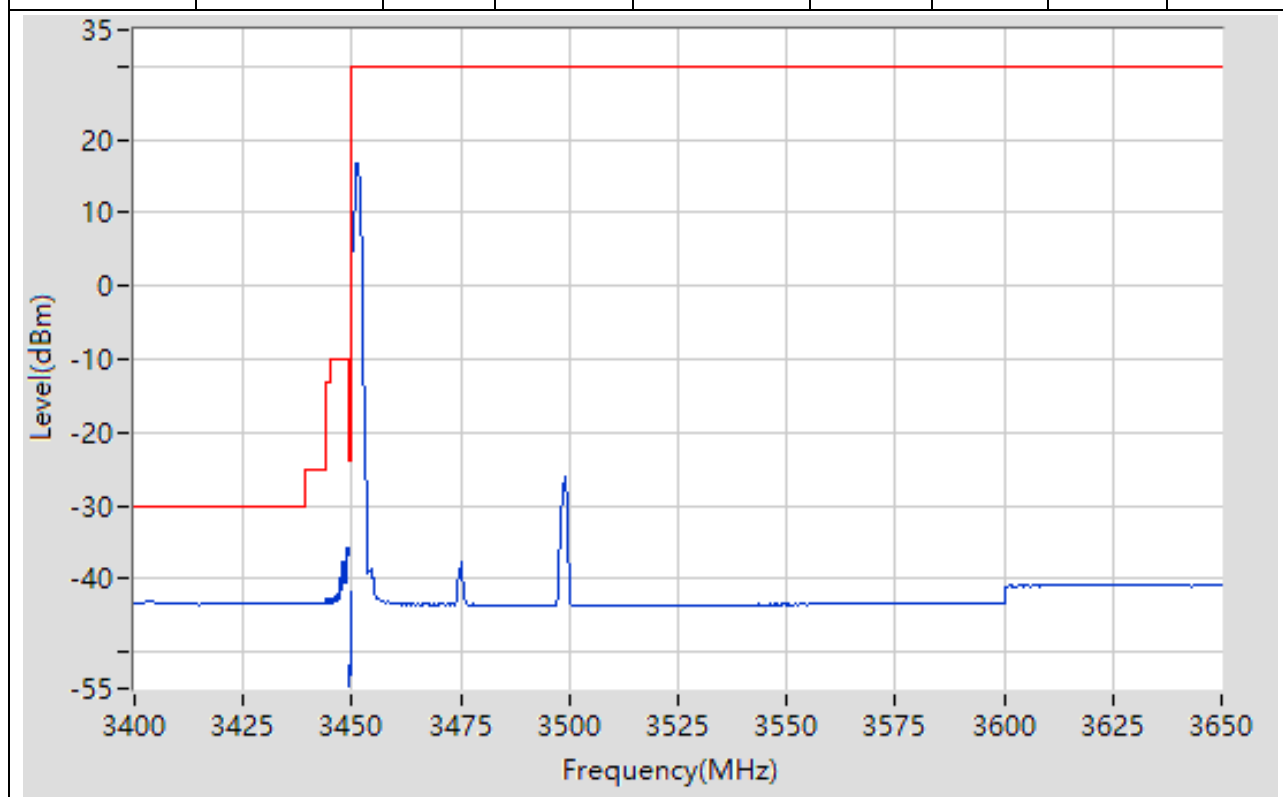
**62.10. Band Edge for SA\_IC(NTNV)(Subtest:10, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3427            | -32.65      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -30.11      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.983        | -29.03      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -28.68      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449            | -42.22      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3469            | 3.32        | 30          | Pass    | 601         |



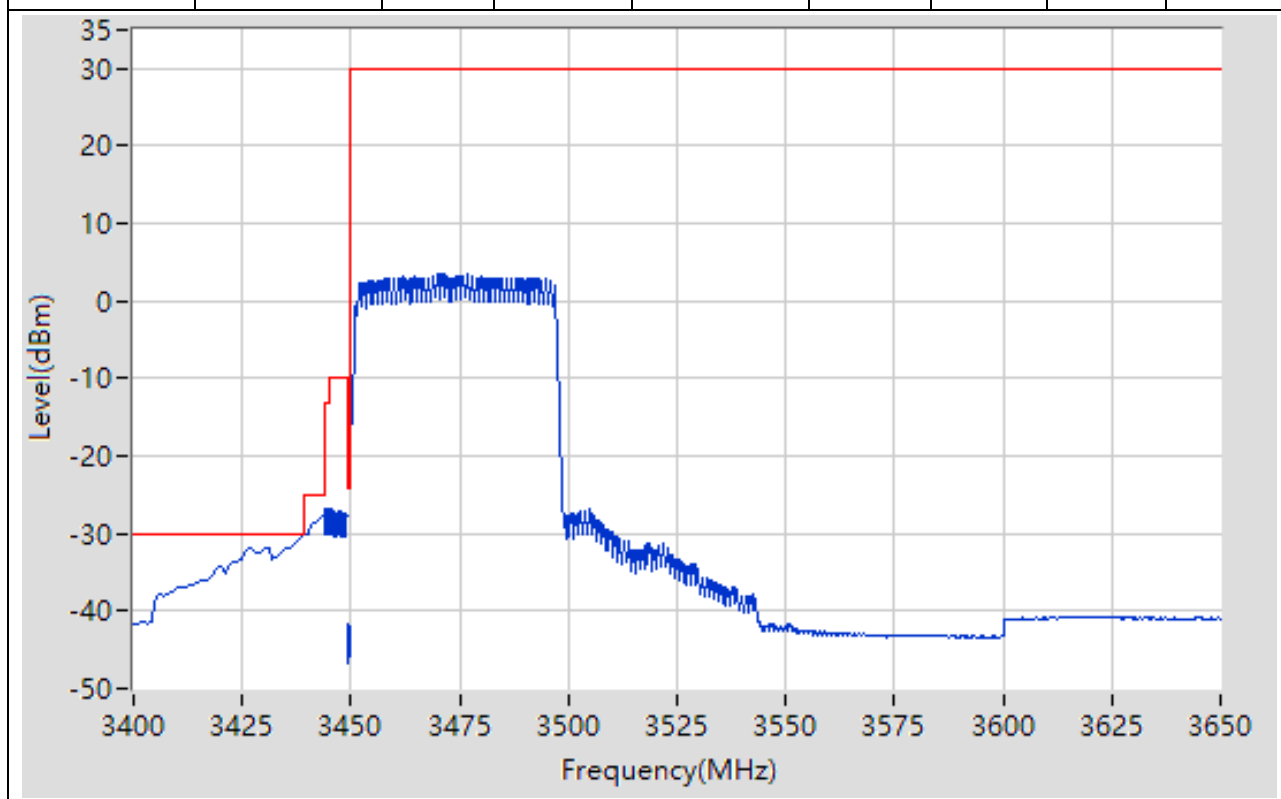
**62.11. Band Edge for SA\_IC(NTNV)(Subtest:11, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3404            | -42.95      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -43.29      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.917        | -42.77      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -35.79      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -41.77      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 16.77       | 30          | Pass    | 601         |



**62.12. Band Edge for SA\_IC(NTNV)(Subtest:12, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3439            | -30.2       | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -27.72      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.012        | -26.72      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3445.153        | -26.76      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.382        | -41.82      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3469.667        | 3.47        | 30          | Pass    | 601         |



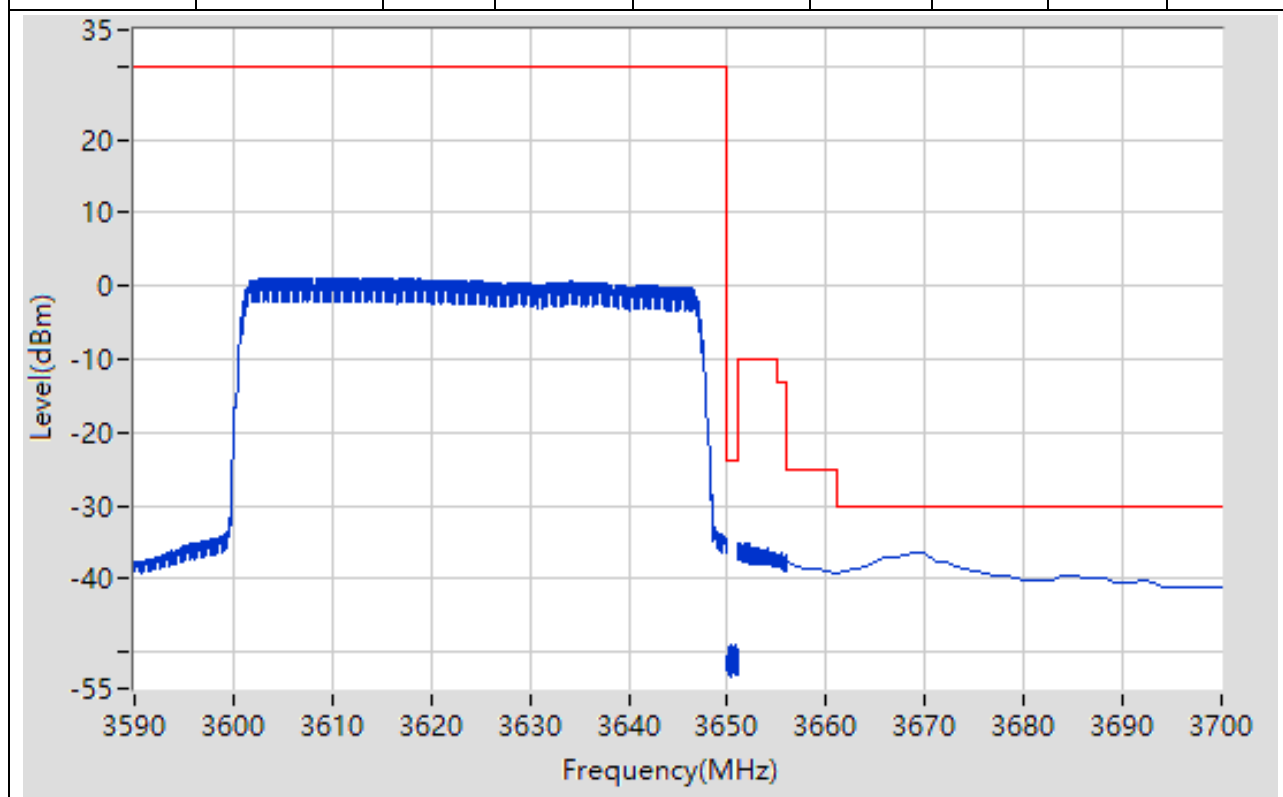
**62.13. Band Edge for SA\_IC(NTNV)(Subtest:13, Channel:641666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3648.8          | 14.5        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.003        | -44.05      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.013        | -37.74      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655            | -40.77      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658.075        | -40.83      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3661.13         | -40.94      | -30         | Pass    | 601         |



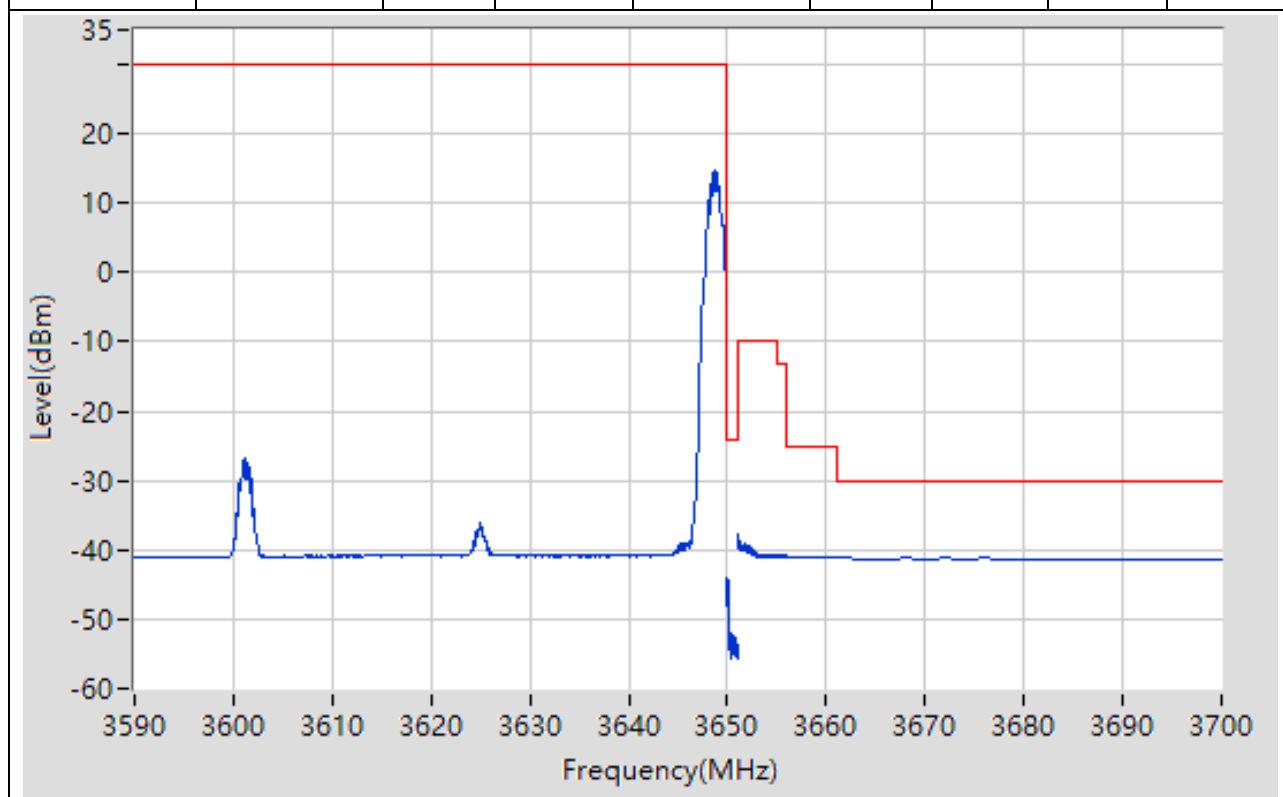
**62.14. Band Edge for SA\_IC(NTNV)(Subtest:14, Channel:641666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3603.4          | 1.06        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.83         | -49.07      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.007        | -35.06      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.542        | -36.31      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -37.81      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3669            | -36.4       | -30         | Pass    | 40          |



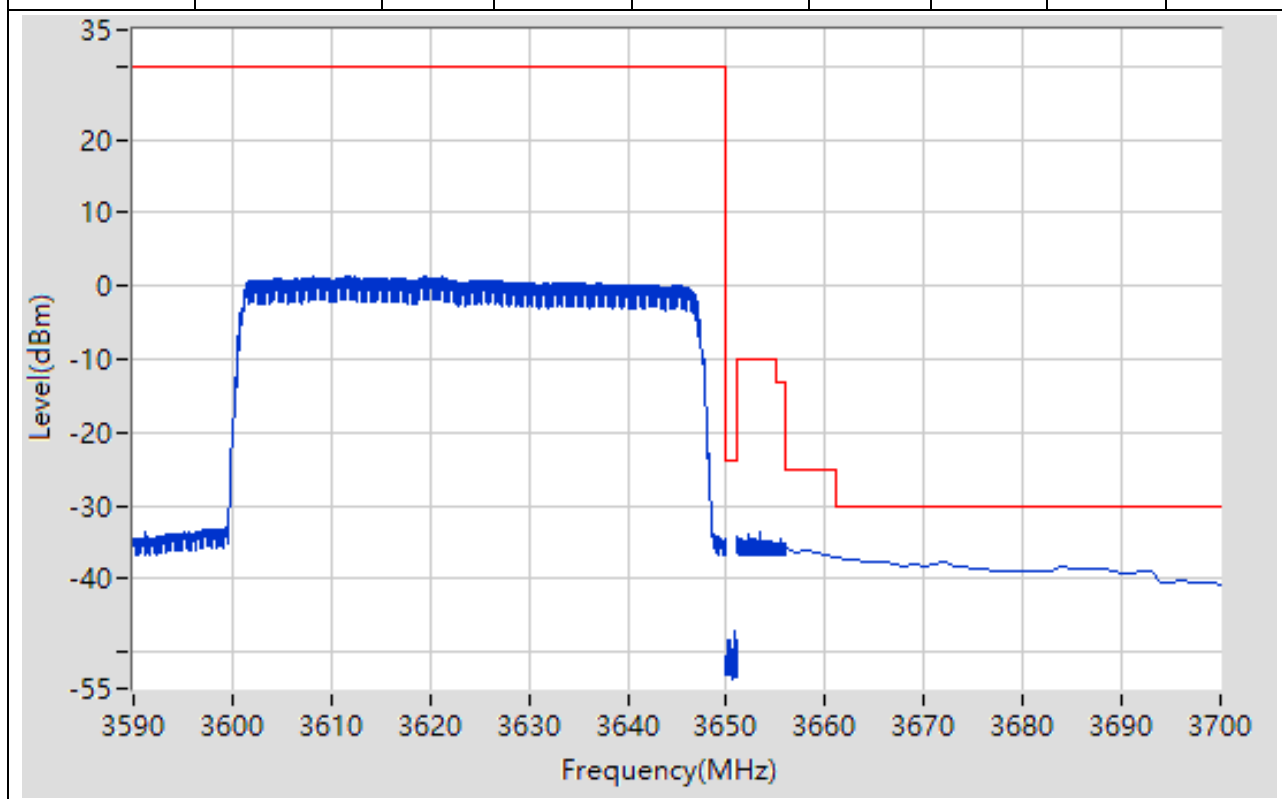
**62.15. Band Edge for SA\_IC(NTNV)(Subtest:15, Channel:641666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3648.7          | 14.61       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.002        | -43.99      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.007        | -37.7       | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.06         | -40.82      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657            | -41.13      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -41.18      | -30         | Pass    | 40          |



**62.16. Band Edge for SA\_IC(NTNV)(Subtest:16, Channel:641666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

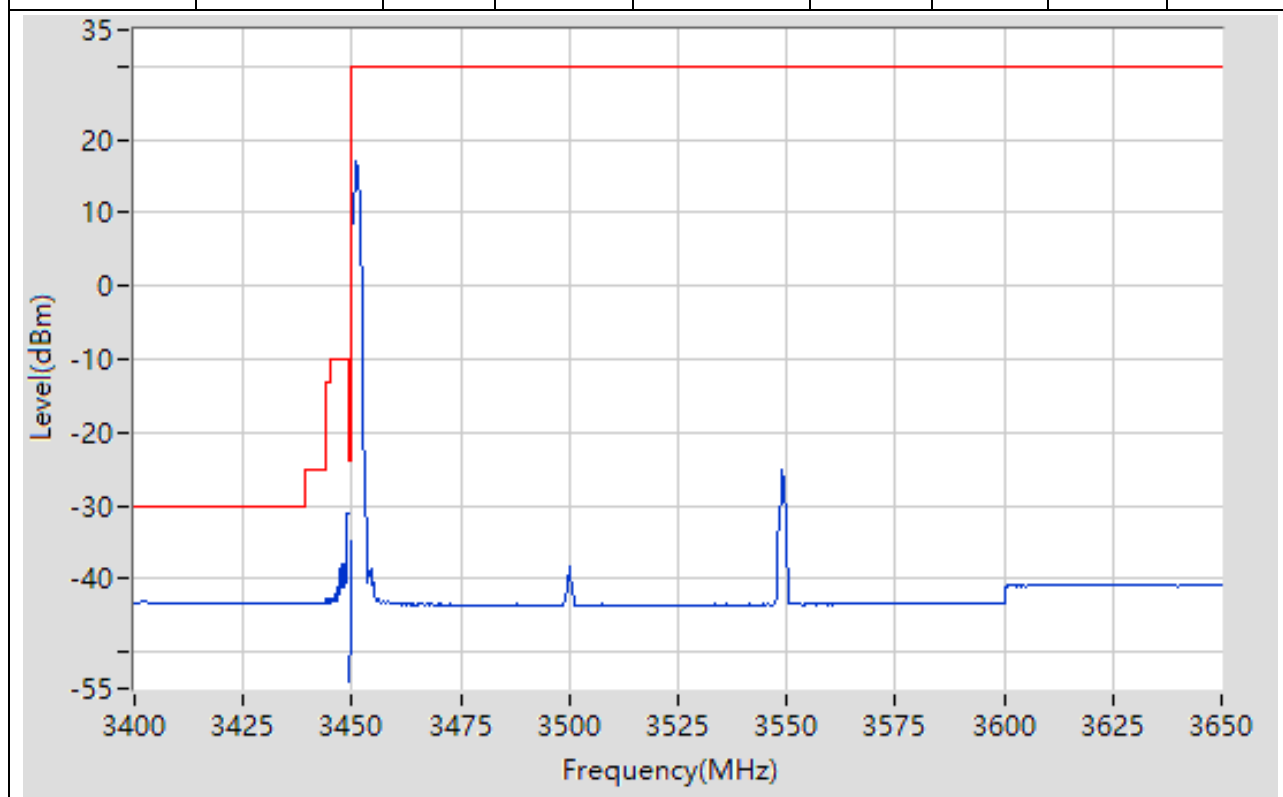
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3611.9          | 1.31        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.92         | -47.29      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3653.433        | -33.64      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.472        | -34.51      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -35.77      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -37.15      | -30         | Pass    | 40          |





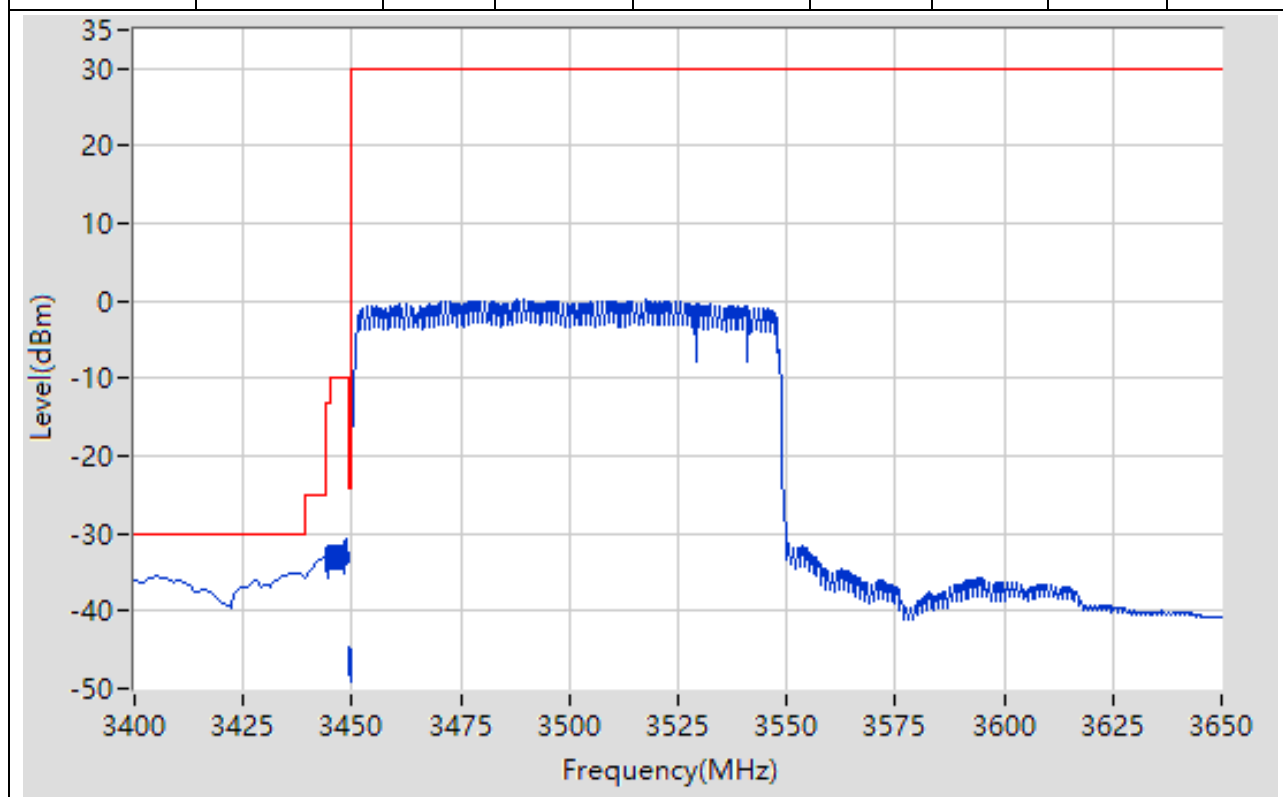
**62.17. Band Edge for SA\_IC(NTNV)(Subtest:25, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3402            | -43.06      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -43.26      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.683        | -42.78      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -31.08      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -34.84      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 17.18       | 30          | Pass    | 601         |



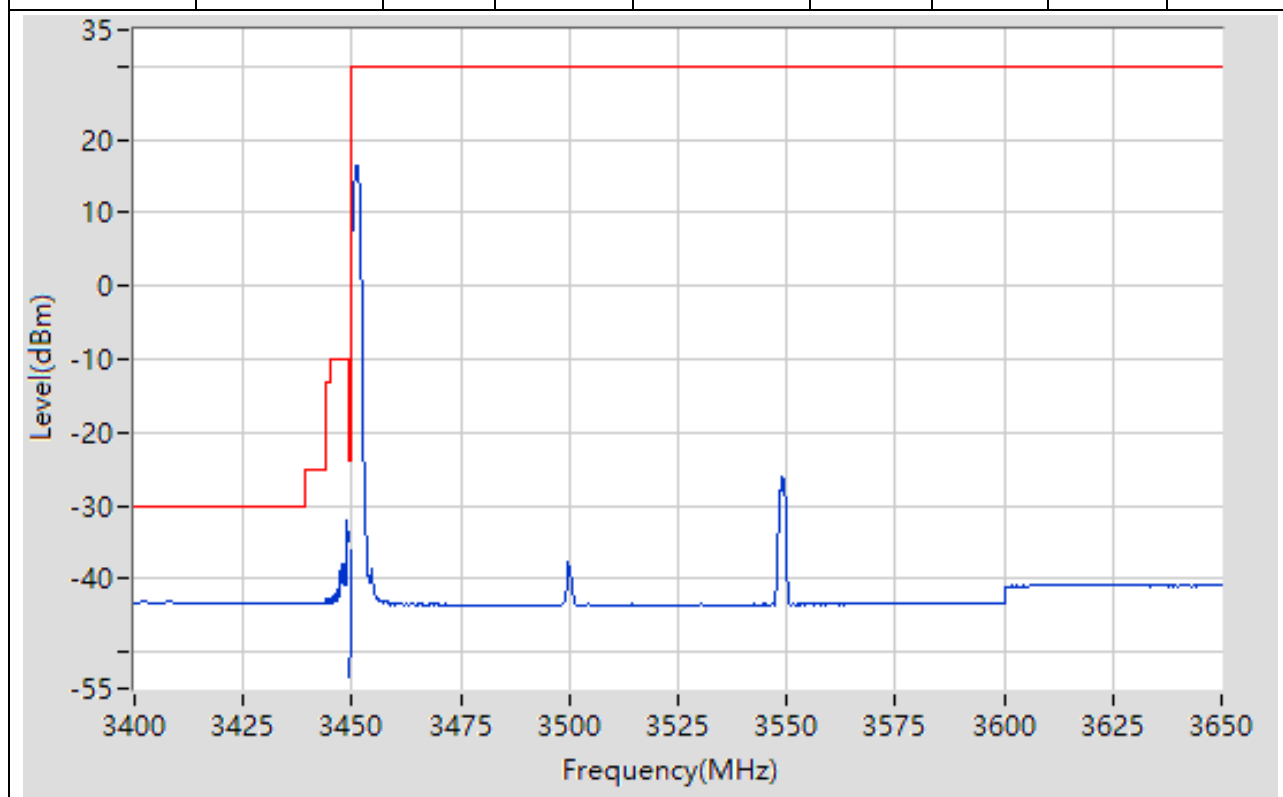
**62.18. Band Edge for SA\_IC(NTNV)(Subtest:26, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3437            | -35.05      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -32.76      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.593        | -31.44      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.913        | -30.7       | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.412        | -44.77      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3489.667        | 0.25        | 30          | Pass    | 601         |



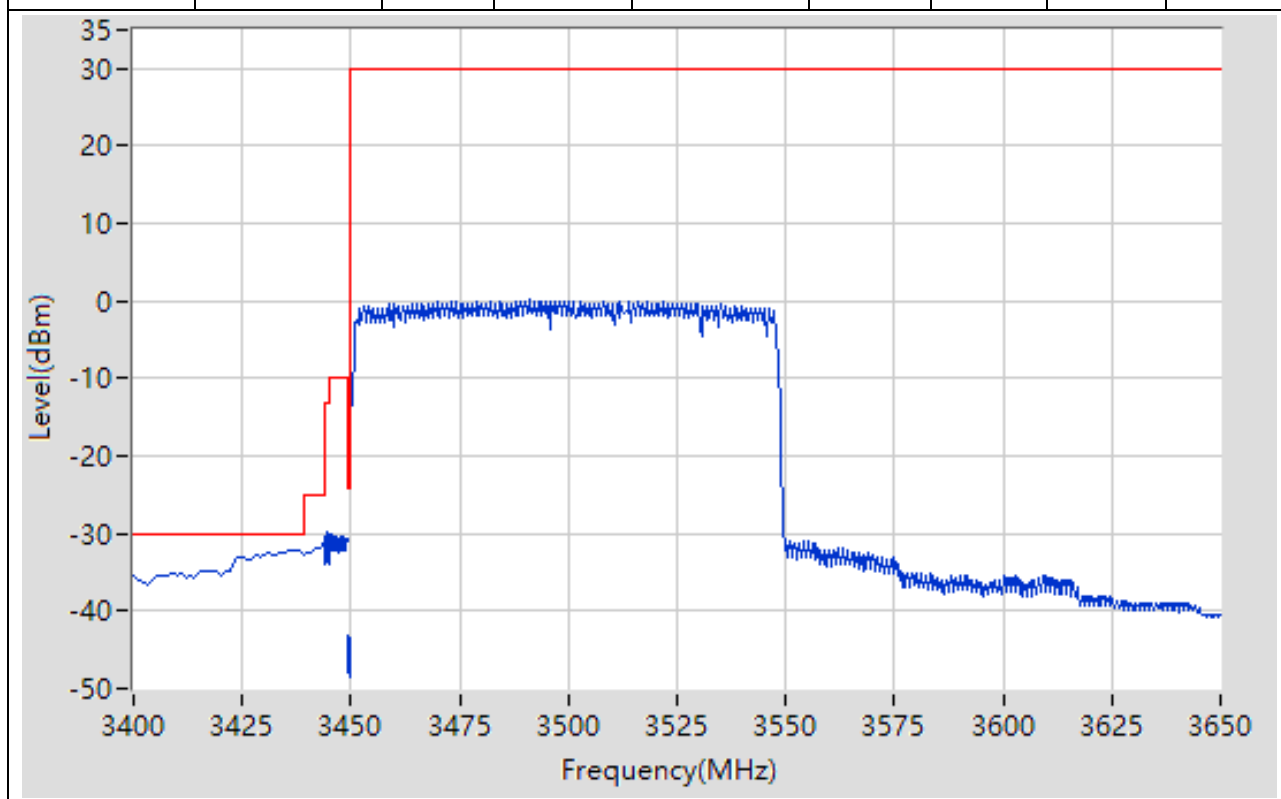
**62.19. Band Edge for SA\_IC(NTNV)(Subtest:27, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3402            | -43.12      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -43.27      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.58         | -42.79      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.993        | -31.9       | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -35.98      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451.333        | 16.32       | 30          | Pass    | 601         |



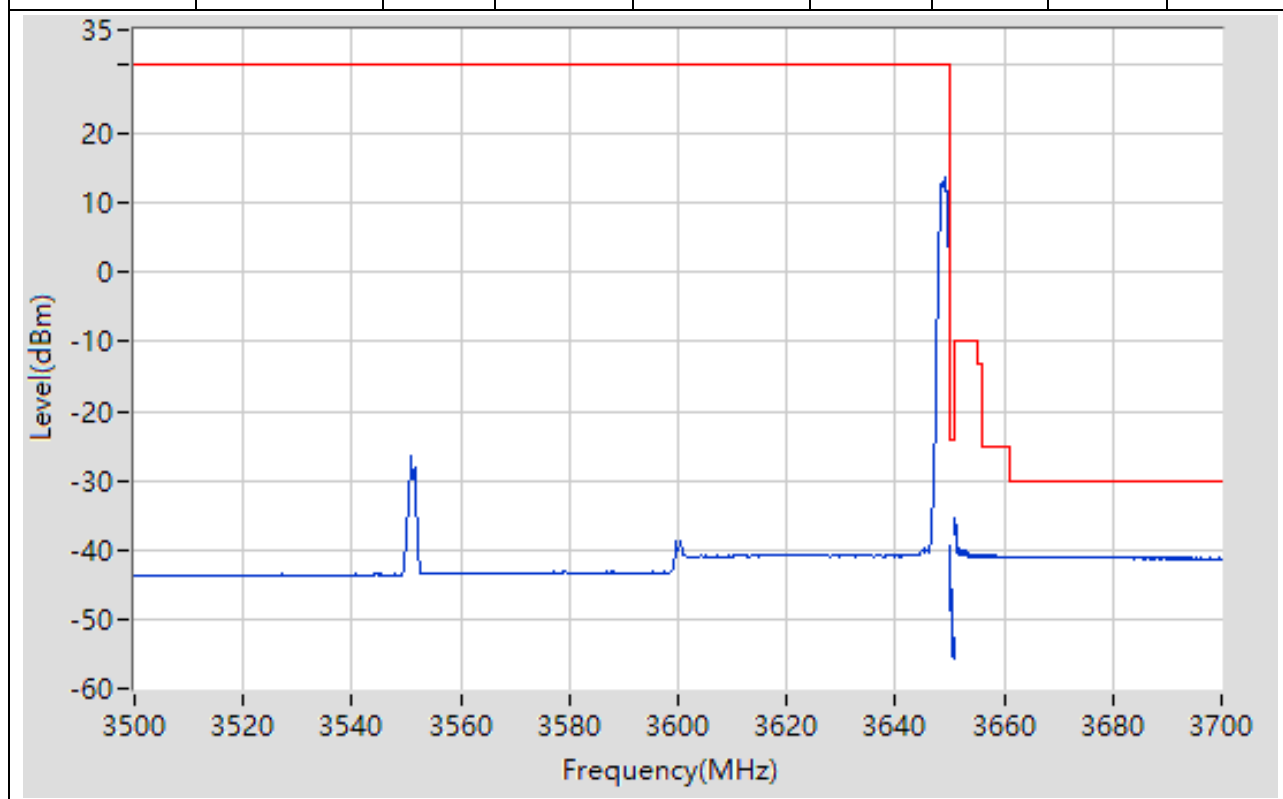
**62.20. Band Edge for SA\_IC(NTNV)(Subtest:28, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3436            | -32.05      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -31.07      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.755        | -29.88      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3445.32         | -30.21      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.412        | -43.06      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3491            | 0.14        | 30          | Pass    | 601         |



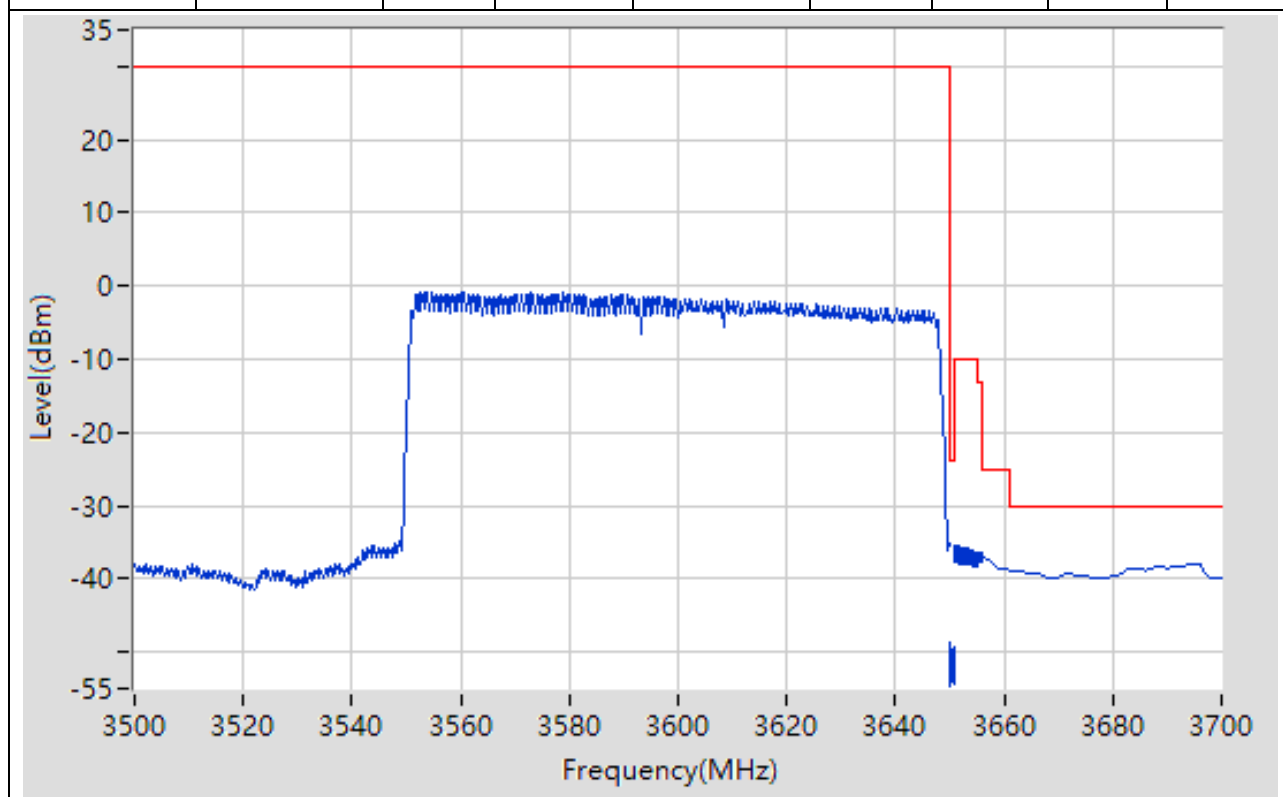
**62.21. Band Edge for SA\_IC(NTNV)(Subtest:29, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3649.25         | 13.62       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.005        | -39.38      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.007        | -35.34      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.322        | -40.72      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656.233        | -40.87      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3666.135        | -40.95      | -30         | Pass    | 601         |



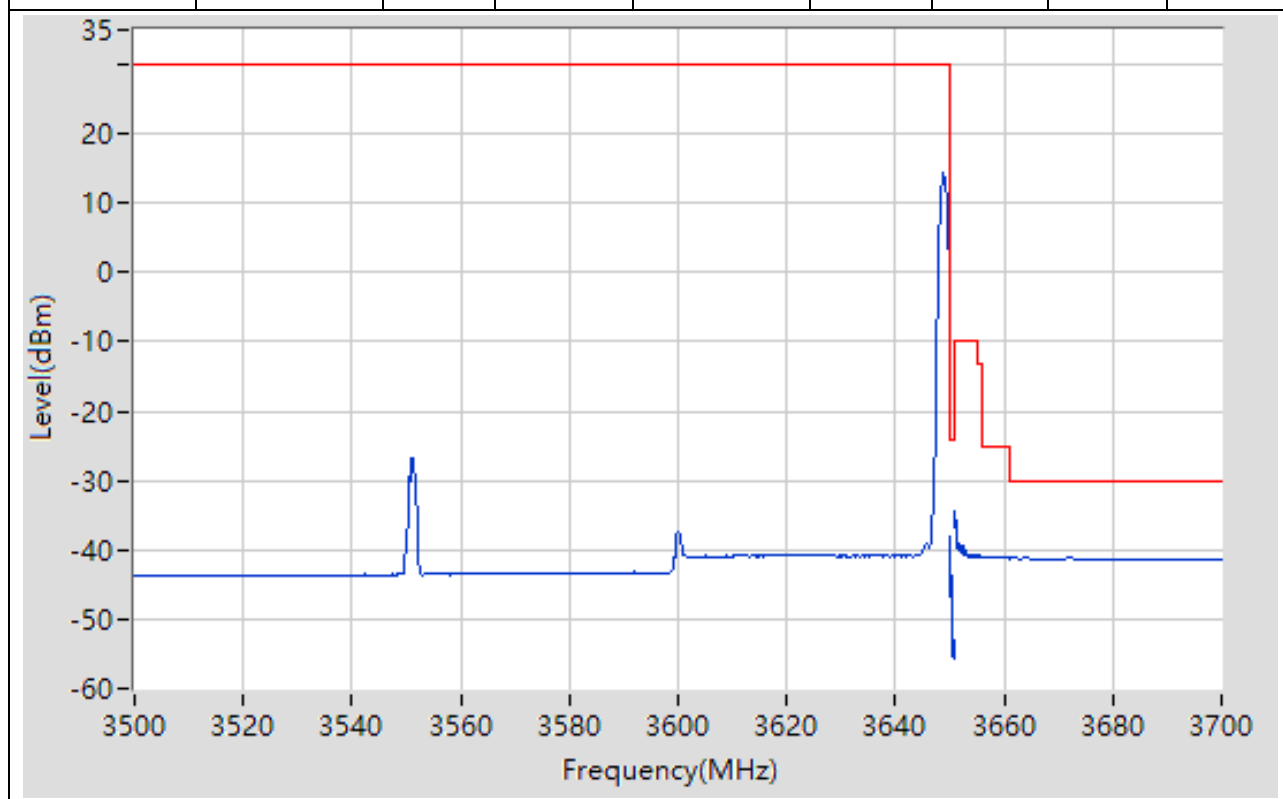
**62.22. Band Edge for SA\_IC(NTNV)(Subtest:30, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3554            | -0.89       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.008        | -48.83      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.28         | -35.43      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.92         | -36.53      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -37.04      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3696            | -38.06      | -30         | Pass    | 40          |



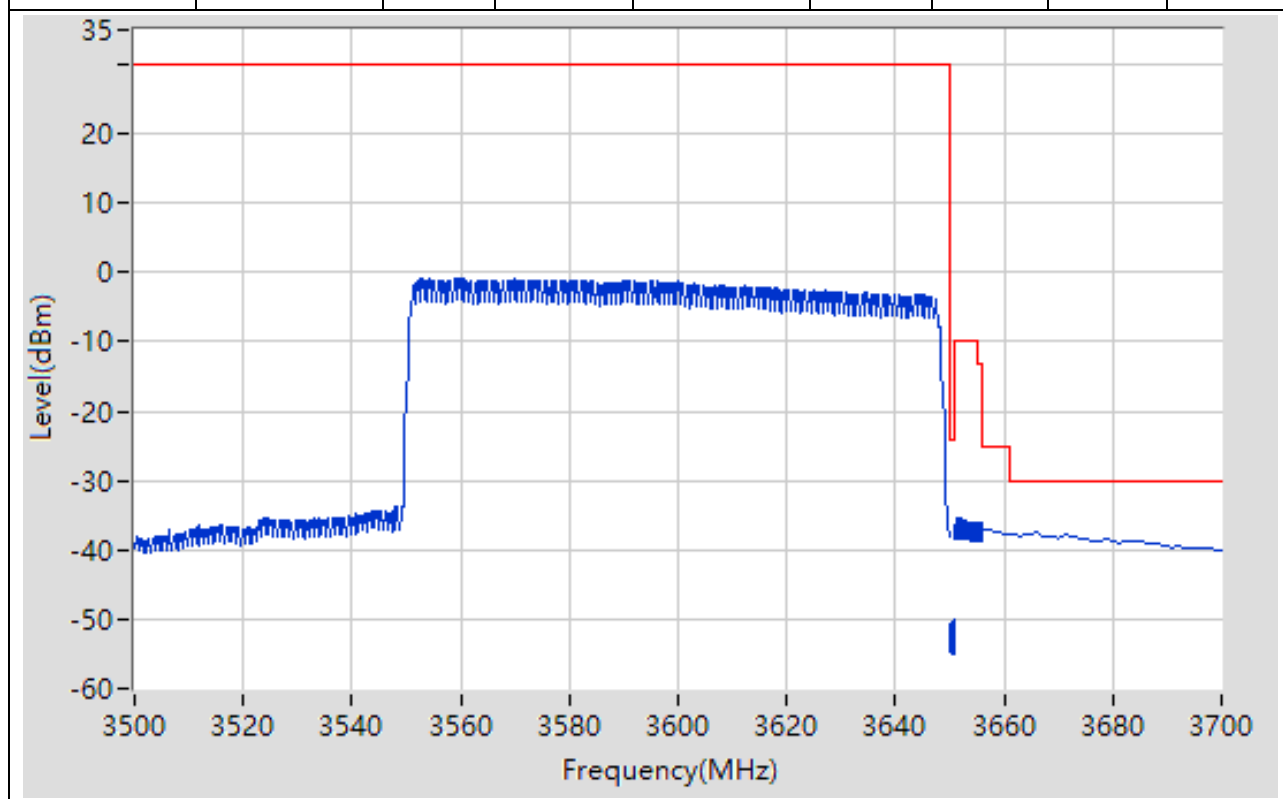
**62.23. Band Edge for SA\_IC(NTNV)(Subtest:31, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3648.75         | 14.26       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650            | -38.13      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.007        | -34.58      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.243        | -40.84      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -41.15      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3664            | -41.2       | -30         | Pass    | 40          |



**62.24. Band Edge for SA\_IC(NTNV)(Subtest:32, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3559.75         | -0.71       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.918        | -50.06      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.38         | -35.46      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.66         | -35.95      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657            | -36.99      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3666            | -37.54      | -30         | Pass    | 40          |

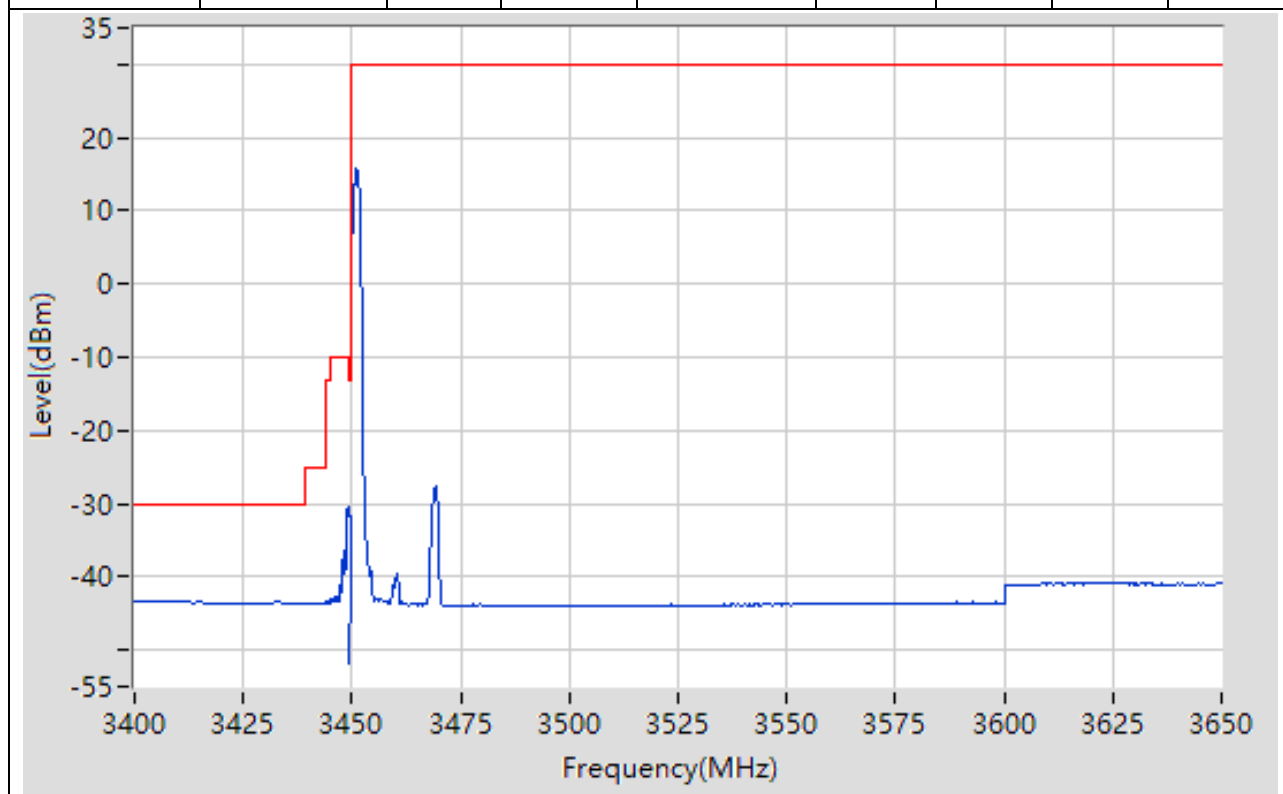




## 63. n78 30kHz(3450-3650MHz)\_MIMO-ANT4

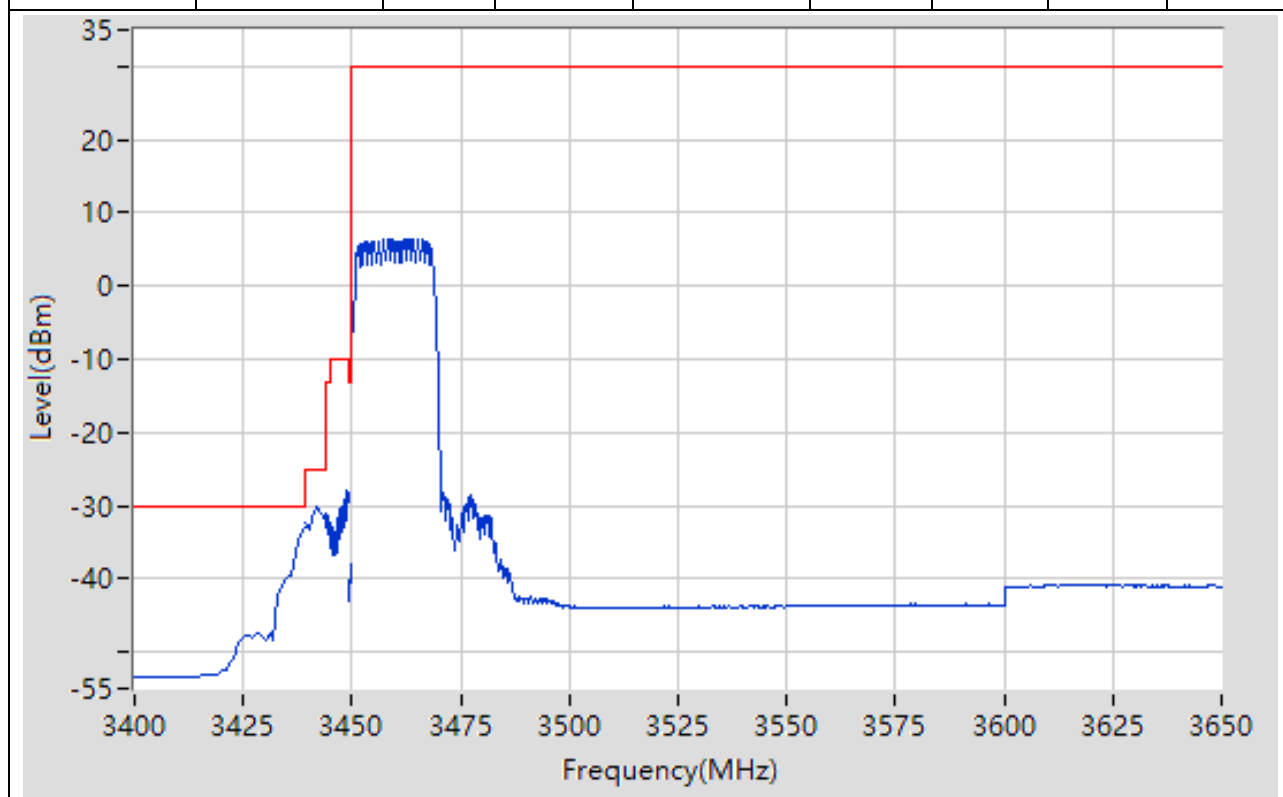
63.1. Band Edge for SA\_IC(NTNV)(Subtest:1, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3400            | -43.27      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3443            | -43.56      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.947        | -43.19      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -30.57      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -31.87      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3450.667        | 15.76       | 30          | Pass    | 601         |



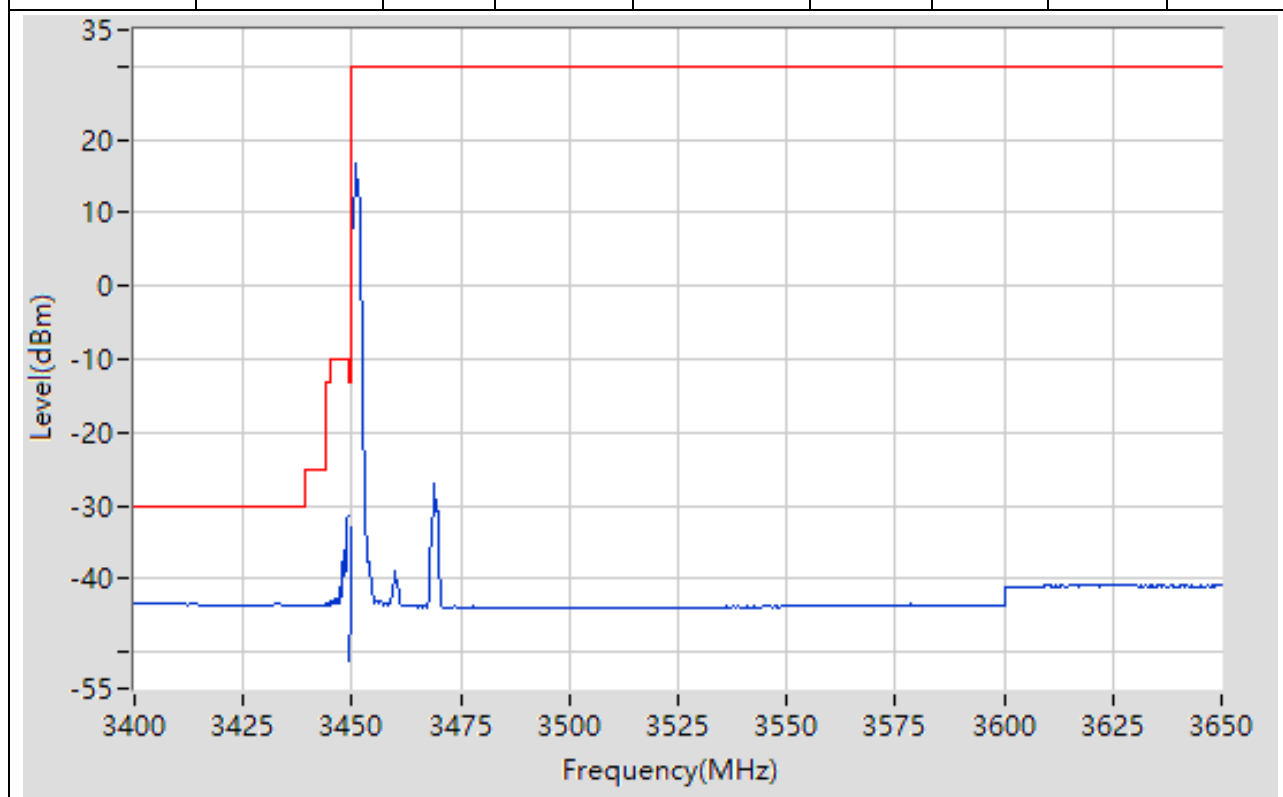
**63.2. Band Edge for SA\_IC(NTNV)(Subtest:2, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3439            | -32.89      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3442            | -30.09      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.015        | -31.24      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.987        | -28.03      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -38.16      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3463            | 6.5         | 30          | Pass    | 601         |



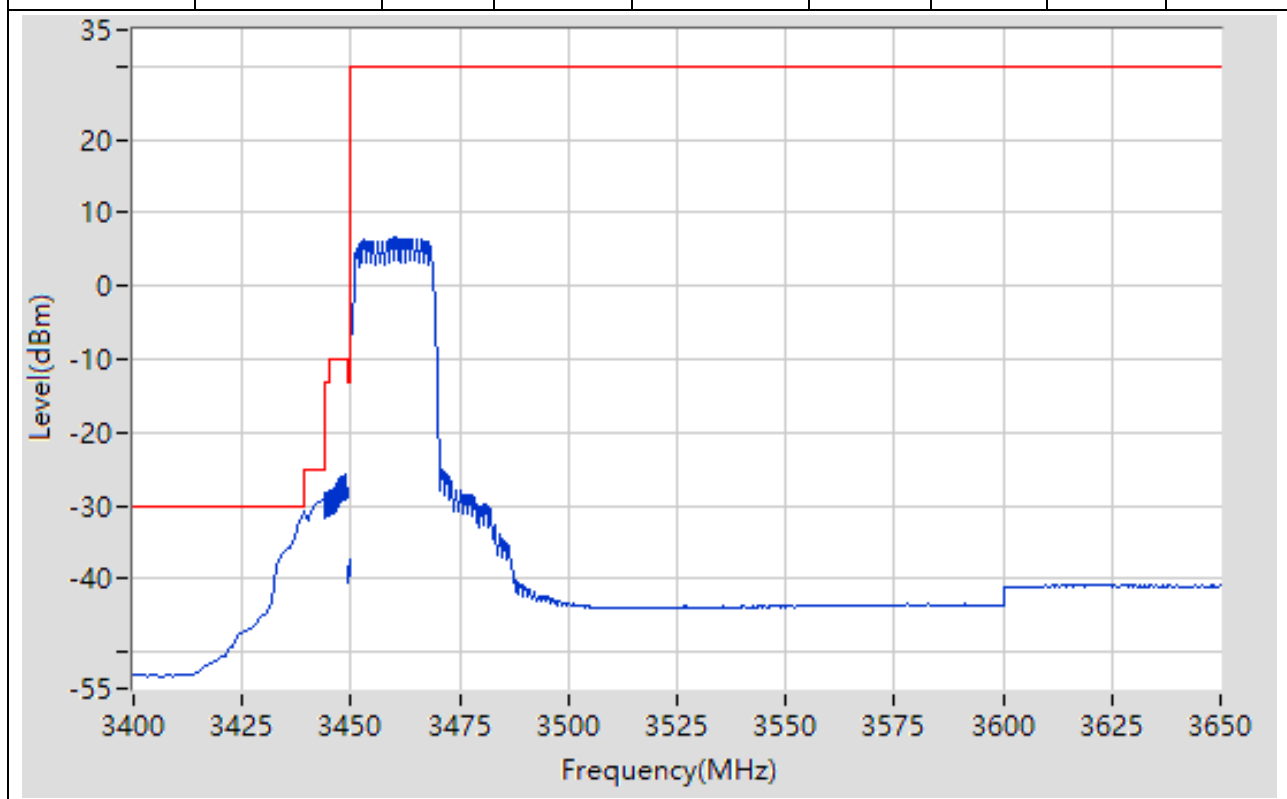
**63.3. Band Edge for SA\_IC(NTNV)(Subtest:3, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3433            | -43.23      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3443            | -43.52      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.903        | -43.13      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3449            | -31.41      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3450            | -32.96      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 16.7        | 30          | Pass    | 601         |



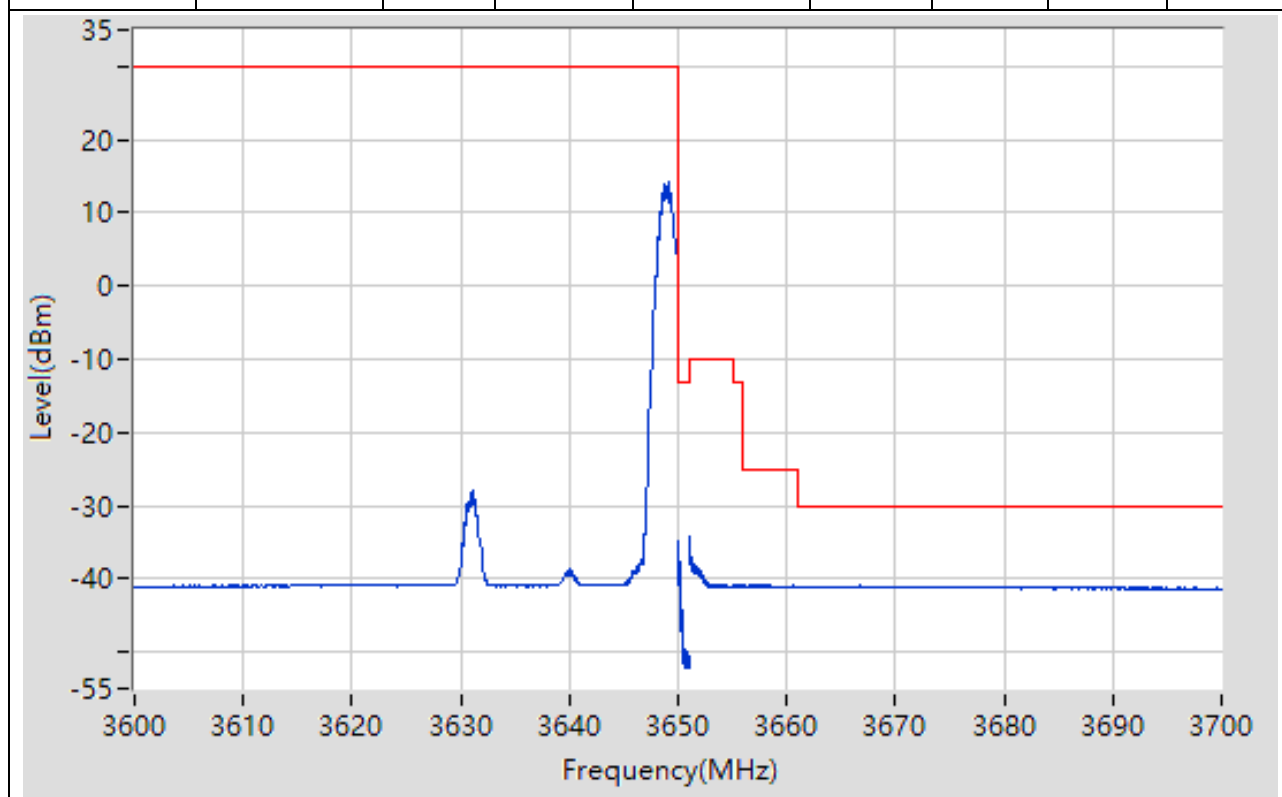
**63.4. Band Edge for SA\_IC(NTNV)(Subtest:4, Channel:630668, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3439            | -32.19      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -29.31      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.99         | -28.15      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.953        | -25.81      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.06      | RMS      | 3449.882        | -37.41      | -13         | Pass    | 18          |
| 3450                  | 3650                 | 1         | RMS      | 3460            | 6.56        | 30          | Pass    | 601         |



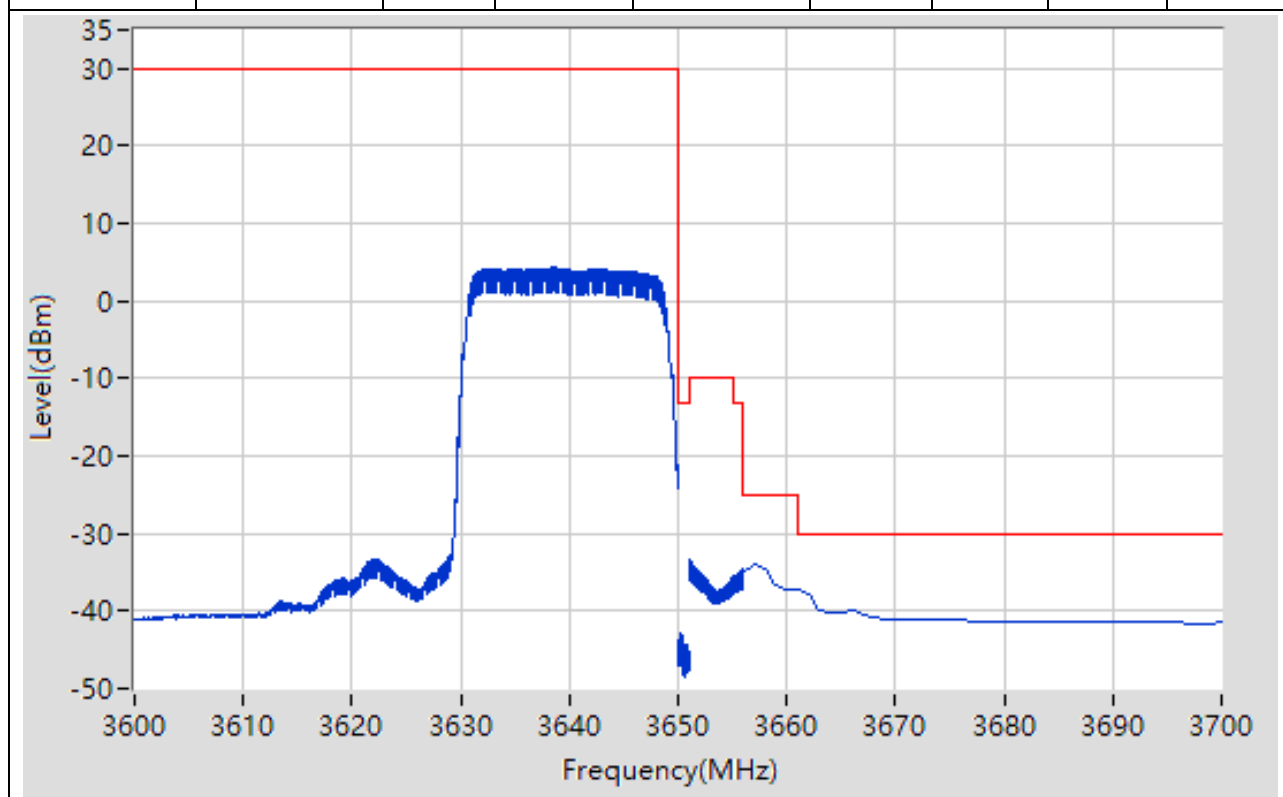
**63.5. Band Edge for SA\_IC(NTNV)(Subtest:5, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3649.083        | 14.08       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.007        | -34.86      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -34.32      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.062        | -40.94      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657.892        | -40.91      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3666.785        | -40.98      | -30         | Pass    | 601         |



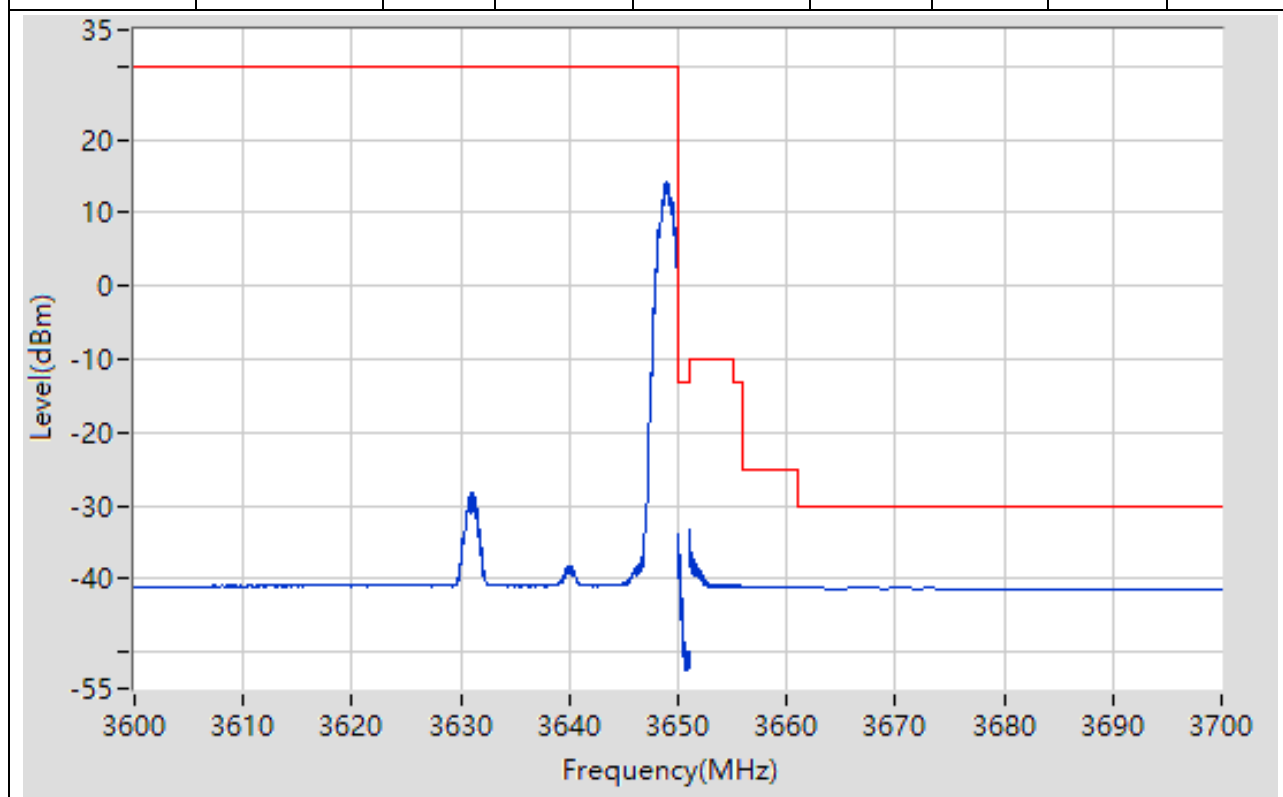
**63.6. Band Edge for SA\_IC(NTNV)(Subtest:6, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:51, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3638.5          | 4.25        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.31         | -42.91      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.007        | -33.5       | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.98         | -34.68      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657            | -33.99      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -37.19      | -30         | Pass    | 40          |



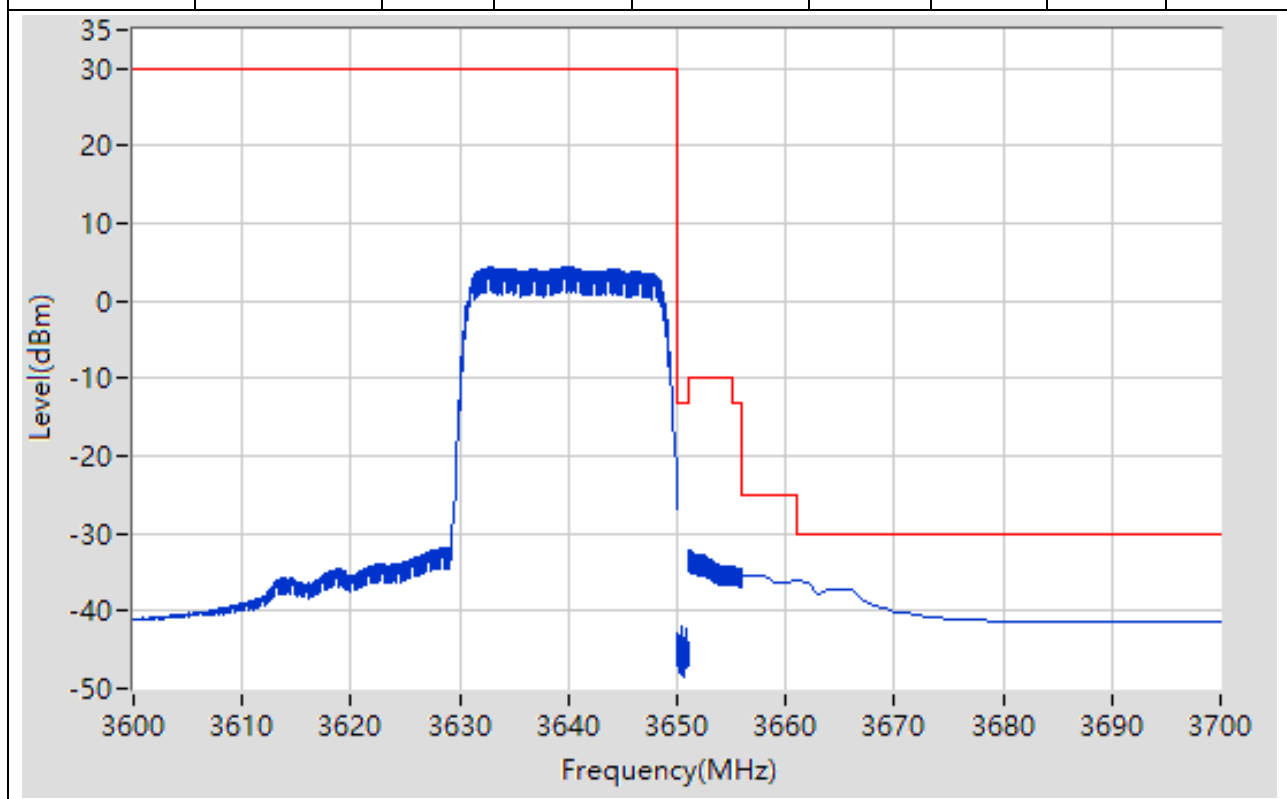
**63.7. Band Edge for SA\_IC(NTNV)(Subtest:7, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:50)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3649            | 14.27       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.003        | -33.77      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -33.43      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.102        | -40.93      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -41.16      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3667            | -41.18      | -30         | Pass    | 40          |



**63.8. Band Edge for SA\_IC(NTNV)(Subtest:8, Channel:642666, Bandwidth:20, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:51, RB Position:0)**

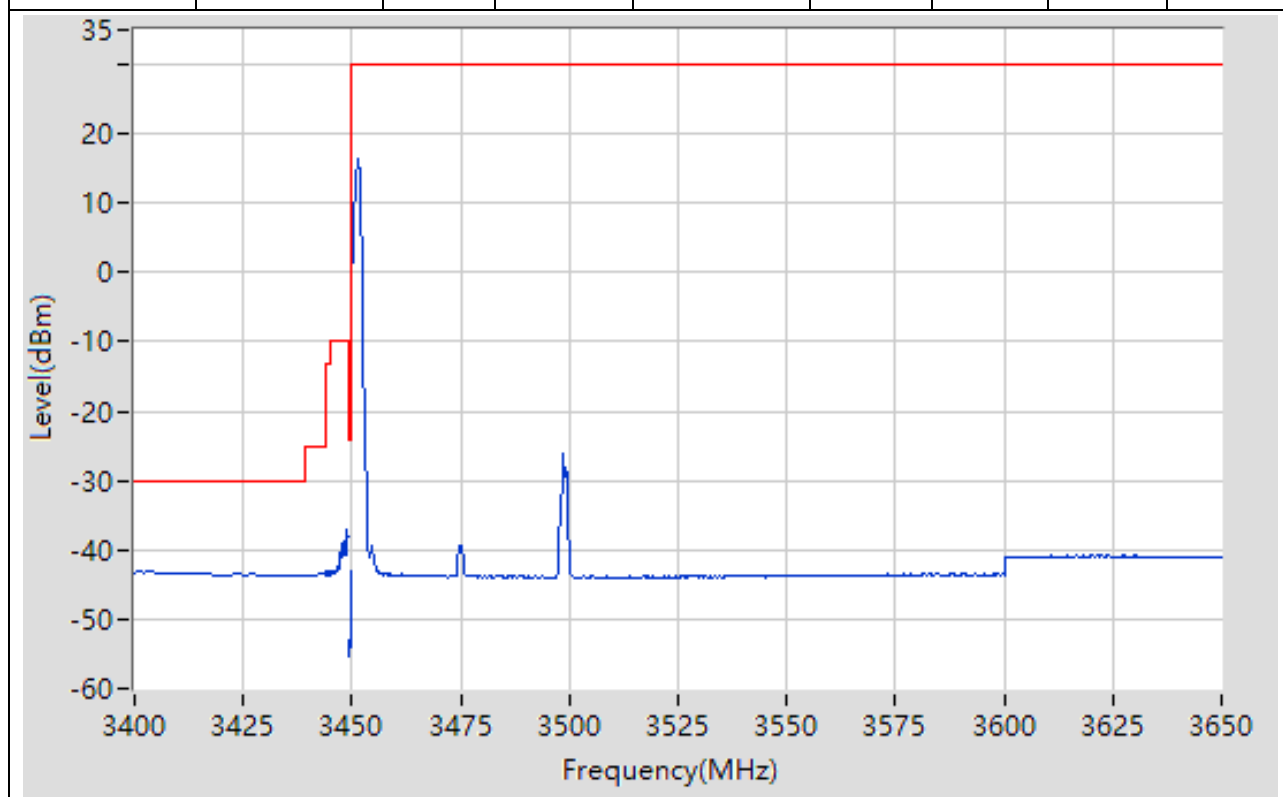
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3600                  | 3650                 | 1         | RMS      | 3639.667        | 4.35        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.062     | RMS      | 3650.495        | -41.99      | -13         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.04         | -32.11      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.197        | -34.33      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -35.32      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -36.11      | -30         | Pass    | 40          |





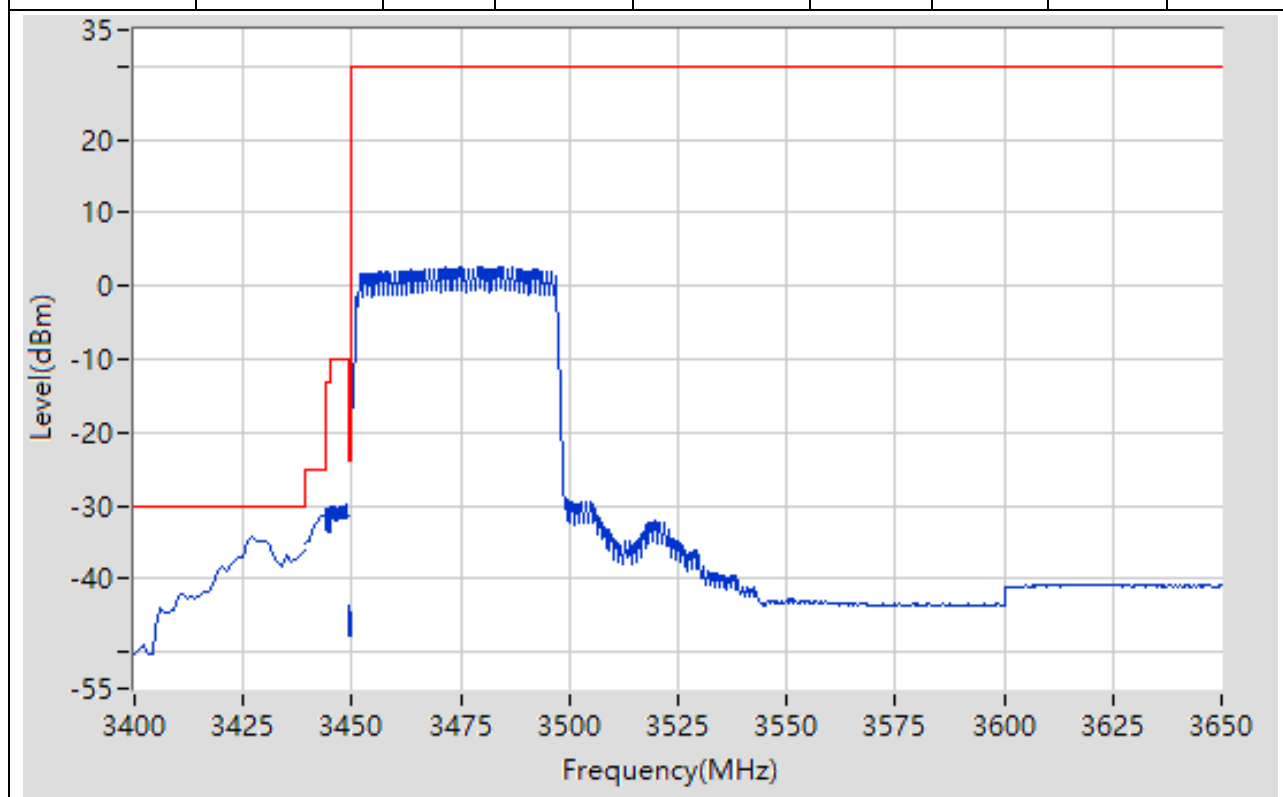
**63.9. Band Edge for SA\_IC(NTNV)(Subtest:9, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3404            | -43.07      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3443            | -43.53      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.83         | -43.14      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.987        | -37.08      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -43.02      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451.333        | 16.43       | 30          | Pass    | 601         |



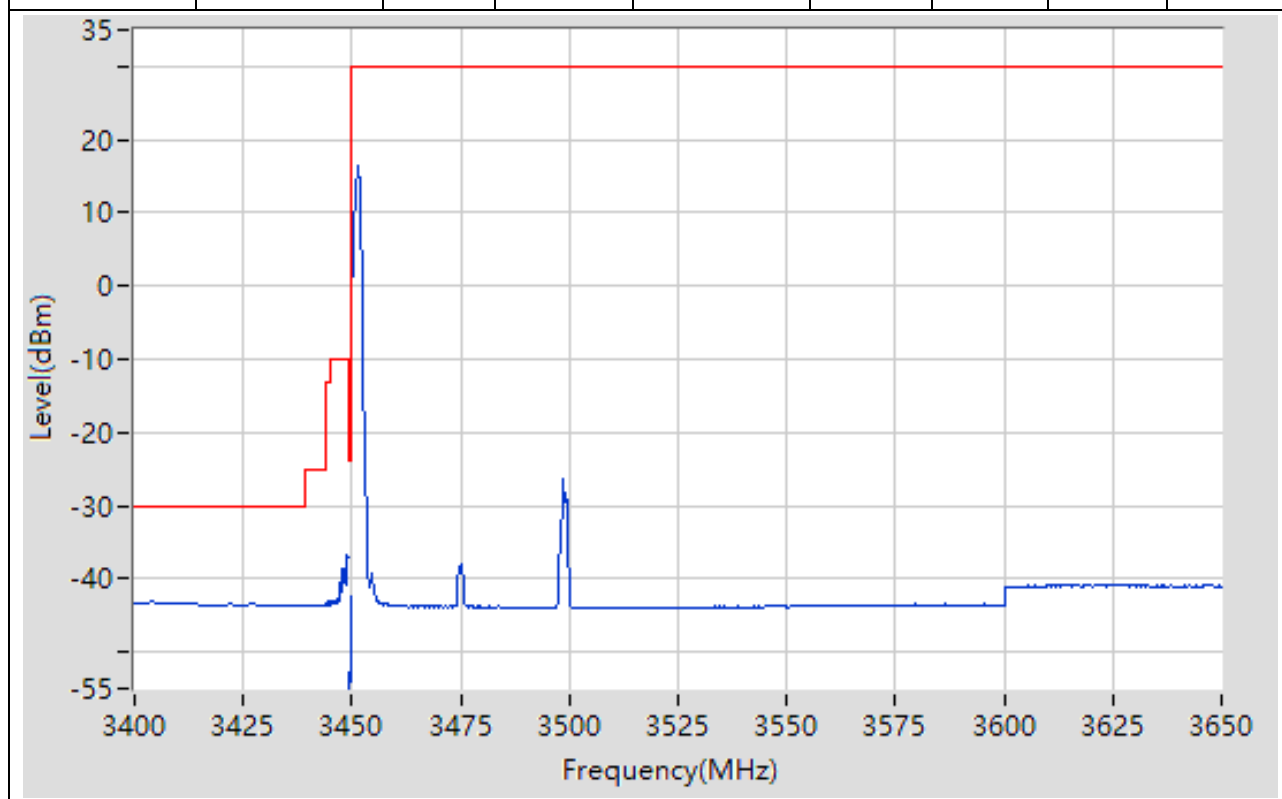
**63.10. Band Edge for SA\_IC(NTNV)(Subtest:10, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3427            | -34.26      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -31.25      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3445            | -30.21      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.987        | -29.89      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449            | -43.61      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3484            | 2.6         | 30          | Pass    | 601         |



**63.11. Band Edge for SA\_IC(NTNV)(Subtest:11, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3404            | -43         | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3443            | -43.55      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.89         | -43.14      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.993        | -36.74      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -42.56      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451.333        | 16.3        | 30          | Pass    | 601         |



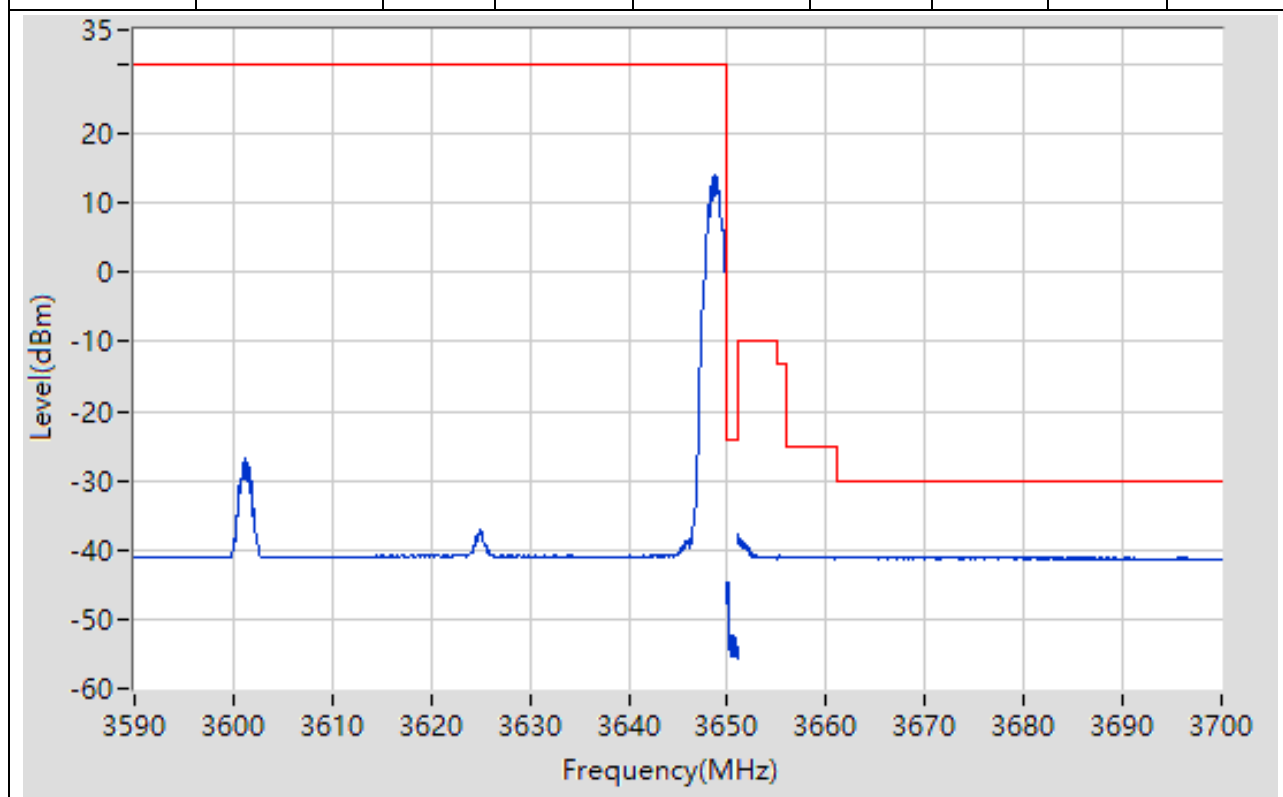
**63.12. Band Edge for SA\_IC(NTNV)(Subtest:12, Channel:631668, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3439            | -32.63      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -29.01      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.928        | -28.19      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3447.293        | -28.4       | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.382        | -43.07      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3471            | 2.67        | 30          | Pass    | 601         |



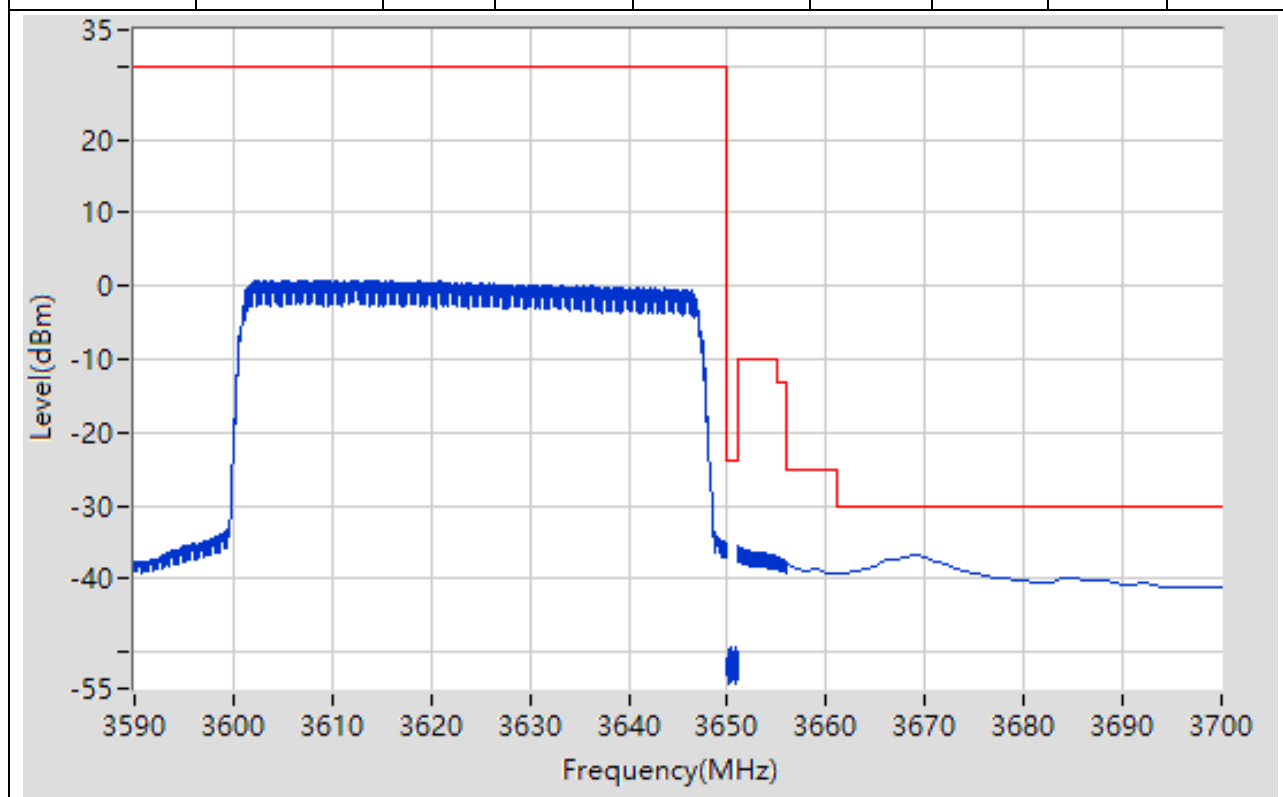
**63.13. Band Edge for SA\_IC(NTNV)(Subtest:13, Channel:641666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3648.7          | 14.04       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650            | -44.57      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.007        | -37.67      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.155        | -40.89      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3660.2          | -40.95      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -40.99      | -30         | Pass    | 601         |



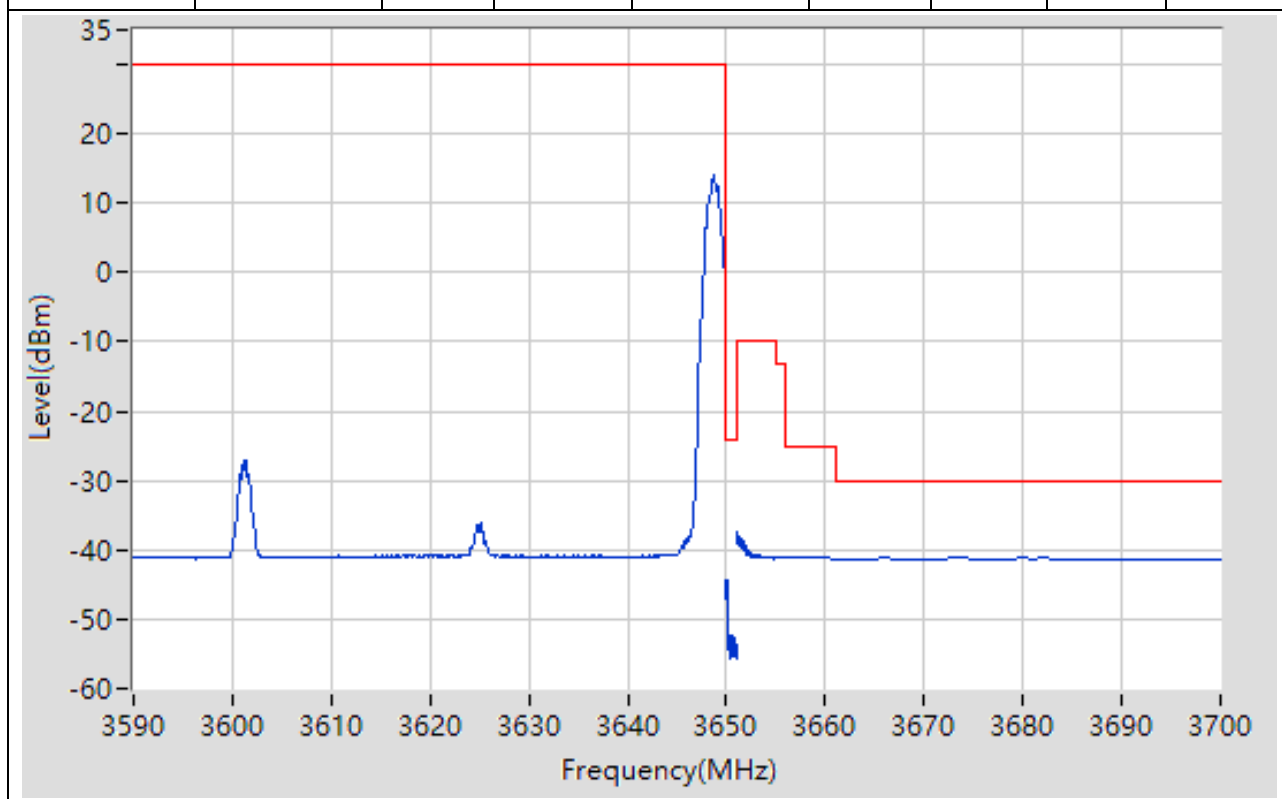
**63.14. Band Edge for SA\_IC(NTNV)(Subtest:14, Channel:641666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:133, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3602.2          | 0.81        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.445        | -49.31      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.04         | -35.59      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.065        | -37.04      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -38.15      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3669            | -36.71      | -30         | Pass    | 40          |



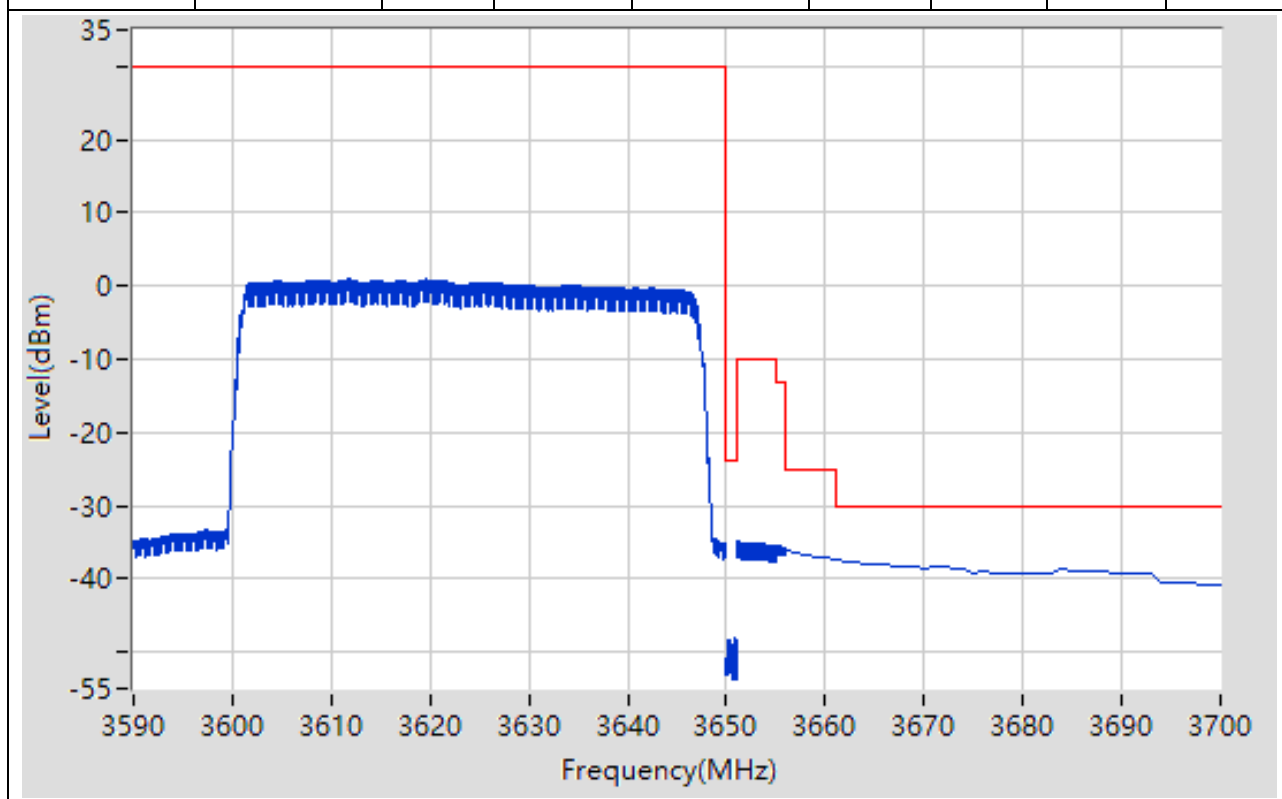
**63.15. Band Edge for SA\_IC(NTNV)(Subtest:15, Channel:641666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:132)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3648.8          | 14.02       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.003        | -44.27      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.013        | -37.26      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.268        | -40.95      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657            | -41.18      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3666            | -41.19      | -30         | Pass    | 40          |



**63.16. Band Edge for SA\_IC(NTNV)(Subtest:16, Channel:641666, Bandwidth:50, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:133, RB Position:0)**

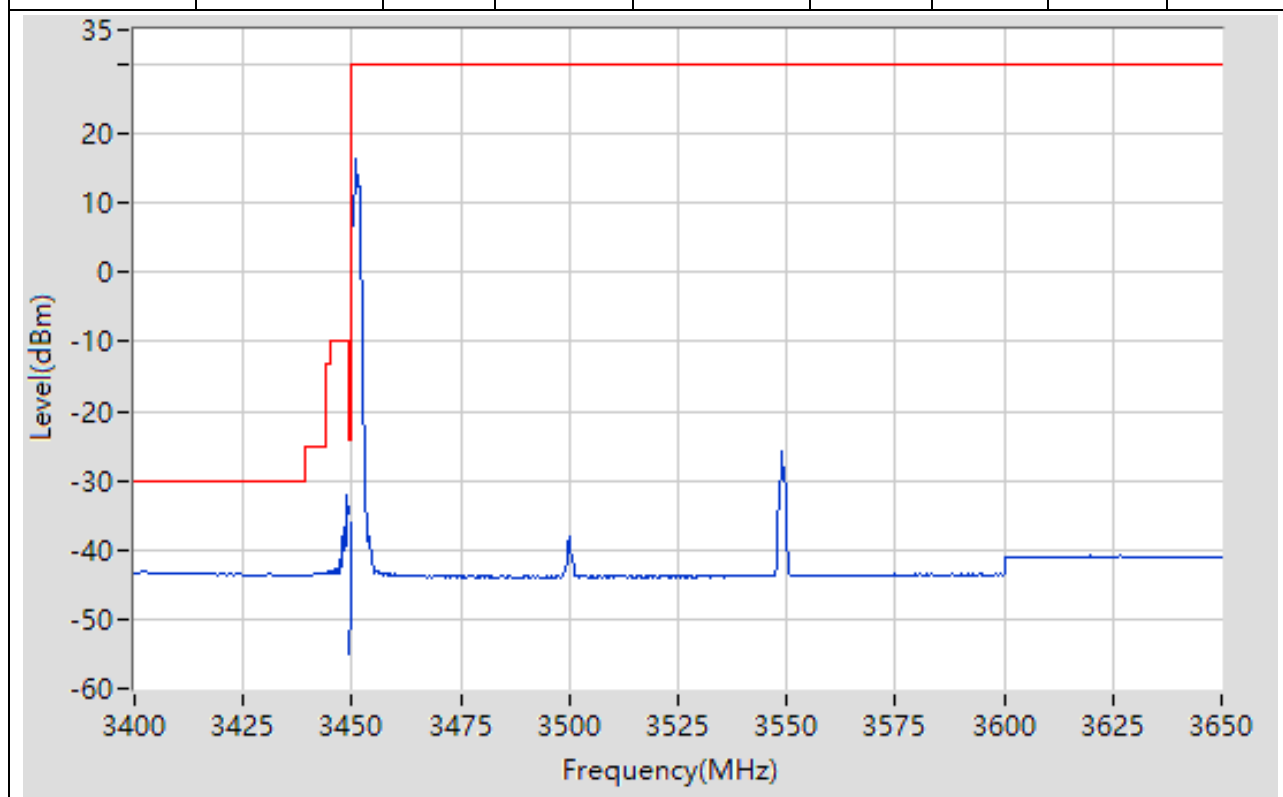
| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3590                  | 3650                 | 1         | RMS      | 3611.7          | 0.89        | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.933        | -48.13      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.02         | -34.79      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.082        | -35.61      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -36.21      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -37.36      | -30         | Pass    | 40          |





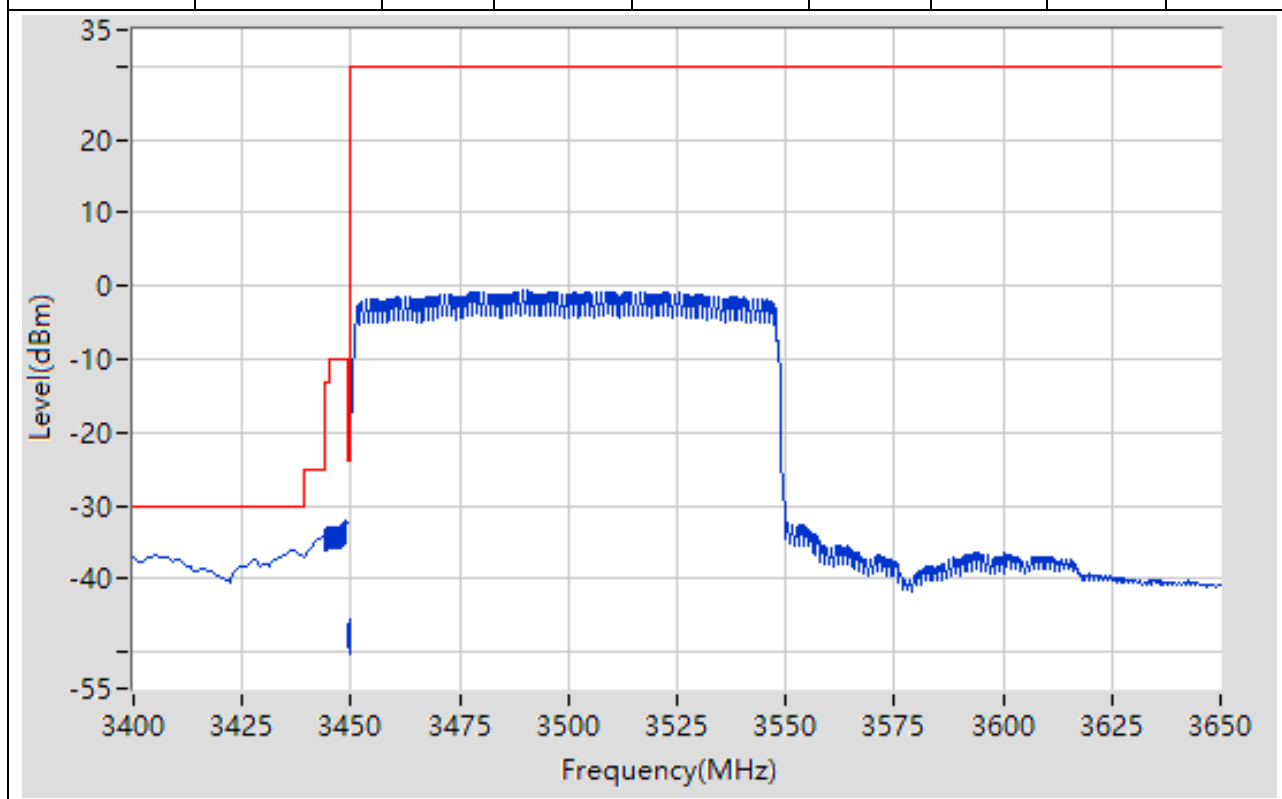
**63.17. Band Edge for SA\_IC(NTNV)(Subtest:25, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3402            | -43.01      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3443            | -43.52      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.563        | -43.17      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.993        | -32         | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -35.98      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451            | 16.36       | 30          | Pass    | 601         |



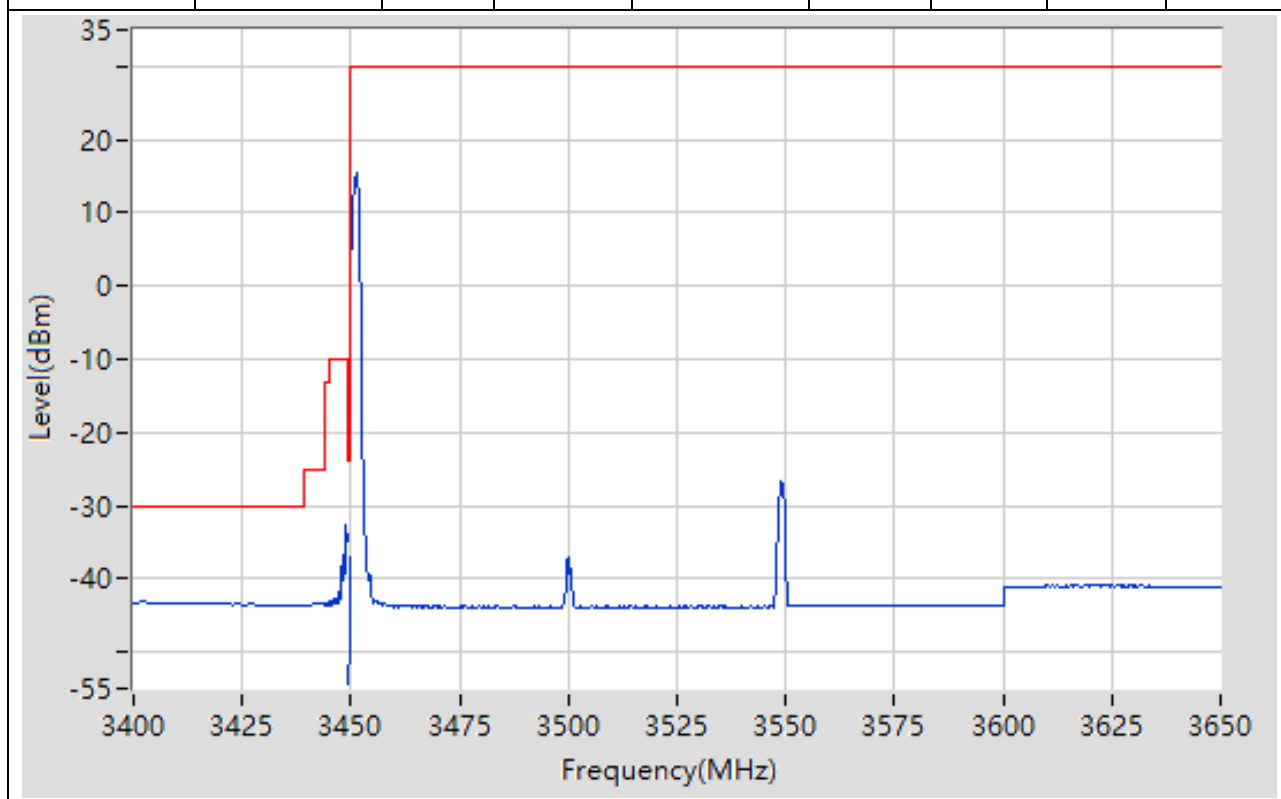
**63.18. Band Edge for SA\_IC(NTNV)(Subtest:26, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3436            | -36.2       | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -33.93      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.933        | -32.84      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.933        | -32.13      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.882        | -45.63      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3489.667        | -0.64       | 30          | Pass    | 601         |



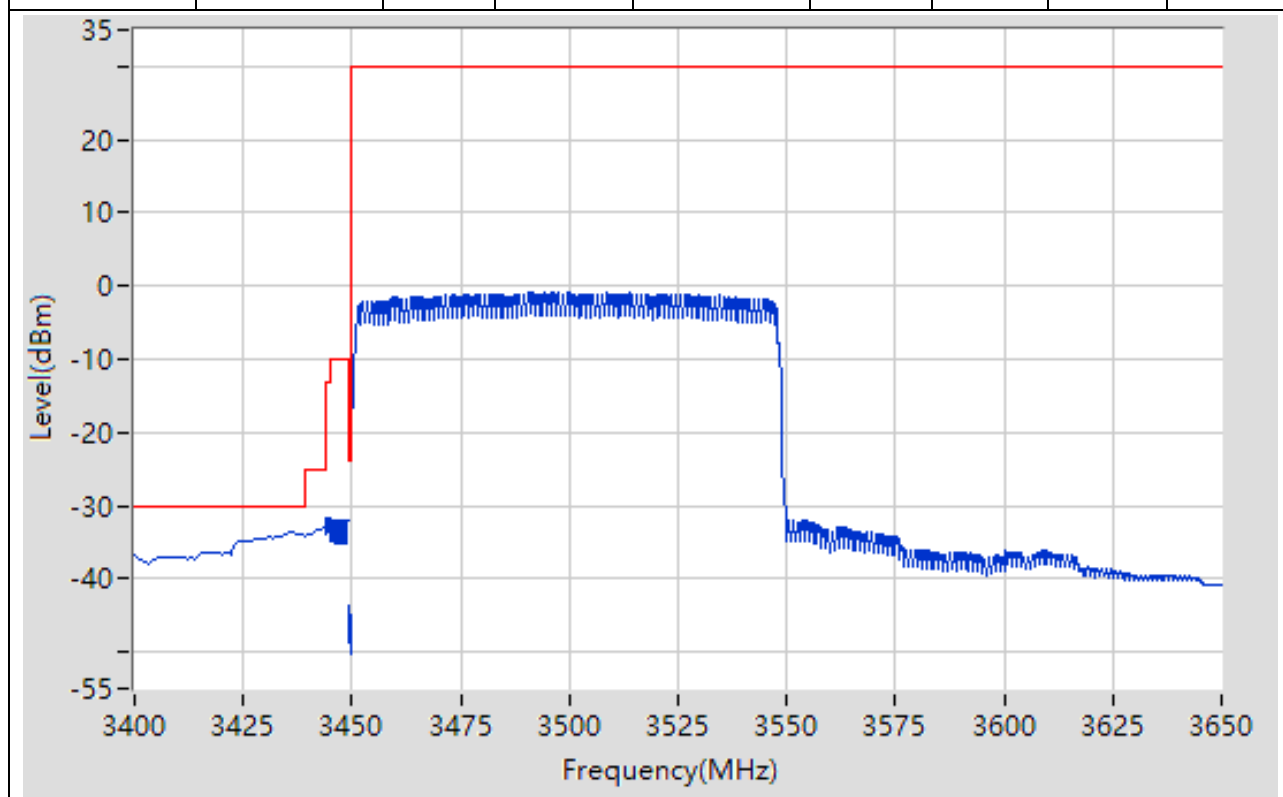
**63.19. Band Edge for SA\_IC(NTNV)(Subtest:27, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3402            | -43.02      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3443            | -43.47      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.768        | -43.23      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3448.993        | -32.68      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3450            | -36.94      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3451.333        | 15.4        | 30          | Pass    | 601         |



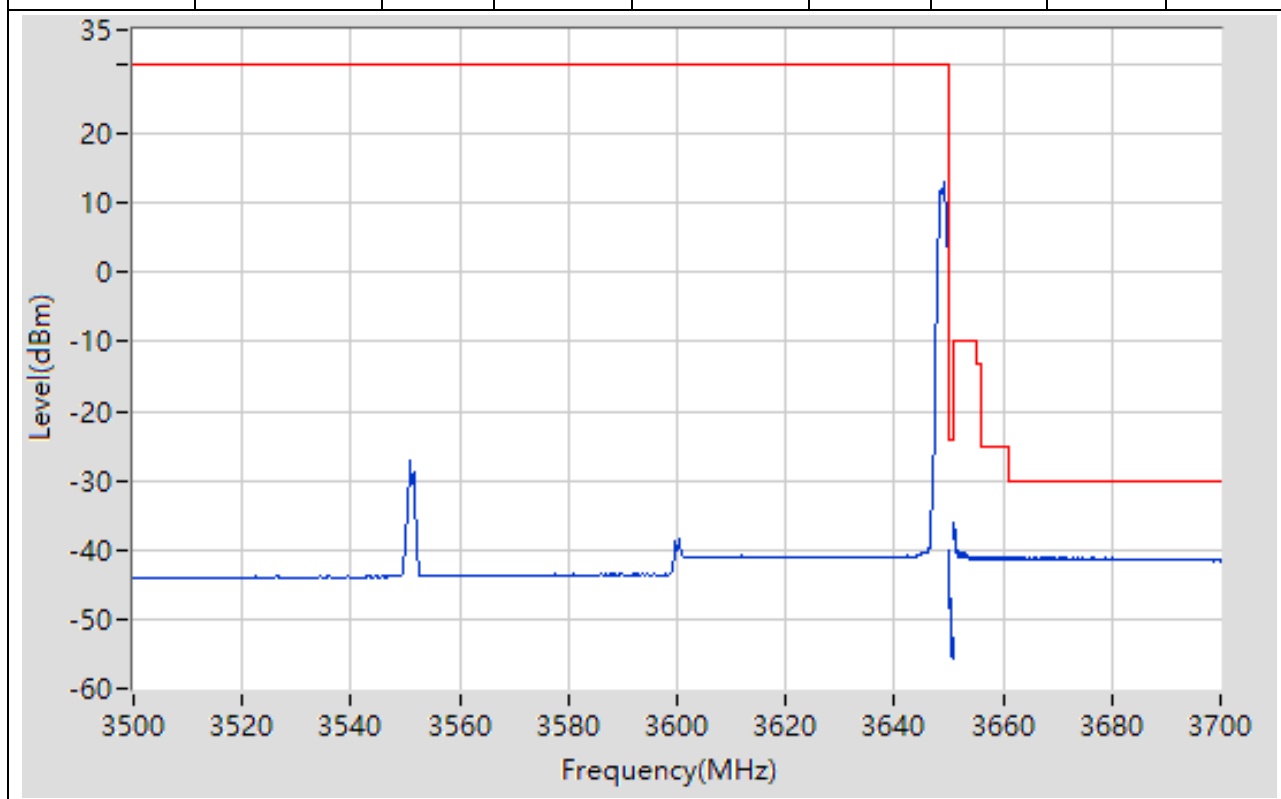
**63.20. Band Edge for SA\_IC(NTNV)(Subtest:28, Channel:633334, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3400                  | 3440                 | 1         | RMS      | 3436            | -33.67      | -30         | Pass    | 40          |
| 3440                  | 3444                 | 1         | RMS      | 3444            | -32.58      | -25         | Pass    | 6           |
| 3444                  | 3445                 | 1         | RMS      | 3444.985        | -31.66      | -13         | Pass    | 601         |
| 3445                  | 3449                 | 1         | RMS      | 3445            | -31.72      | -10         | Pass    | 601         |
| 3449                  | 3450                 | 0.03      | RMS      | 3449.412        | -43.62      | -24         | Pass    | 35          |
| 3450                  | 3650                 | 1         | RMS      | 3490.667        | -0.9        | 30          | Pass    | 601         |



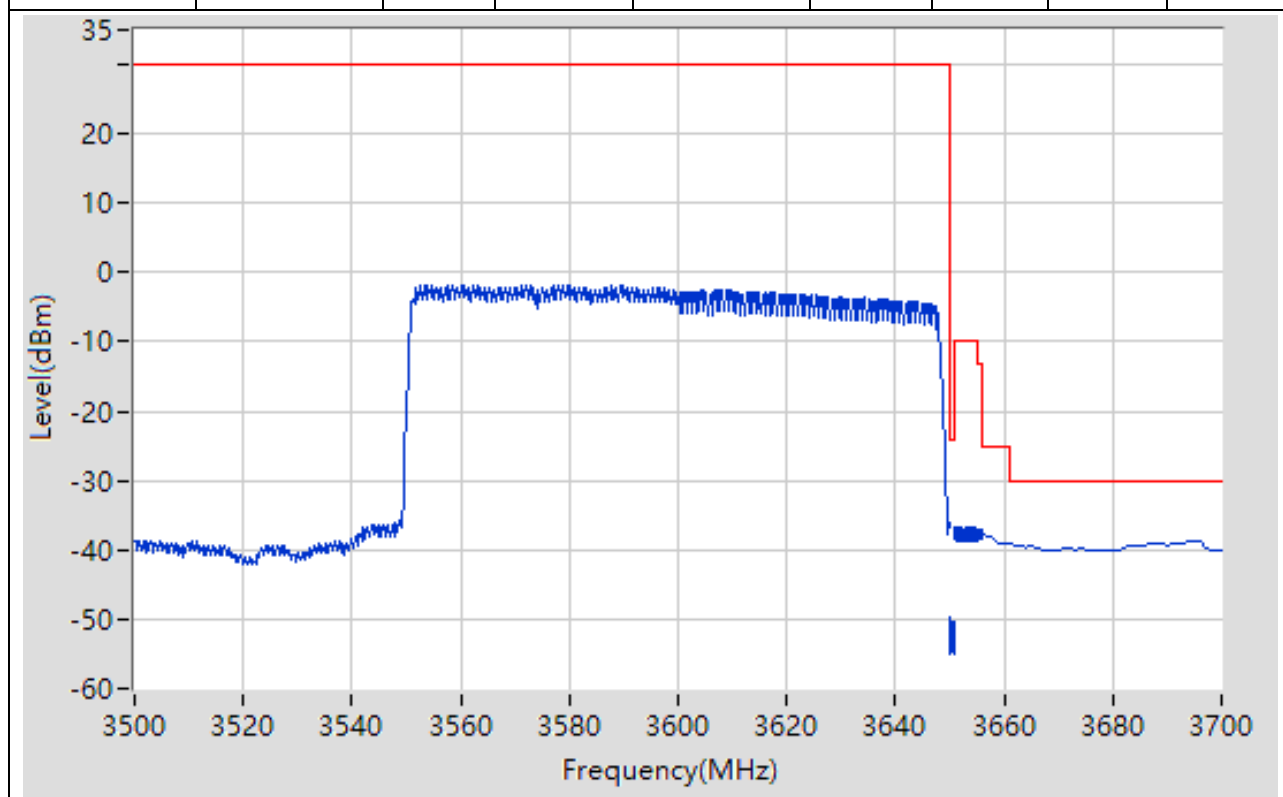
**63.21. Band Edge for SA\_IC(NTNV)(Subtest:29, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3649            | 13.07       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.002        | -40.03      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -36.04      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.235        | -40.95      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656.625        | -41.02      | -25         | Pass    | 601         |
| 3660                  | 3700                 | 1         | RMS      | 3661            | -41.12      | -30         | Pass    | 601         |



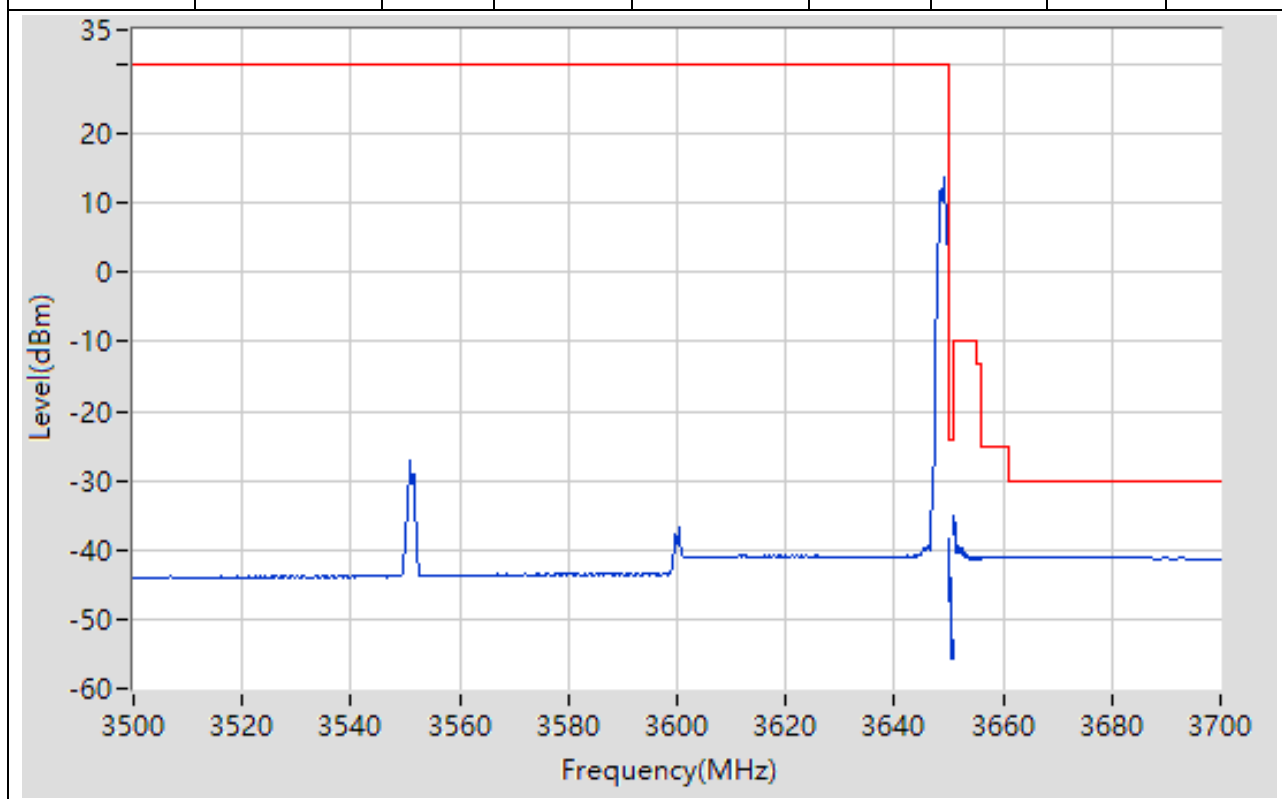
**63.22. Band Edge for SA\_IC(NTNV)(Subtest:30, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:16QAM, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3560            | -1.76       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.008        | -49.75      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651.027        | -36.61      | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.045        | -37.16      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3656            | -37.62      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3696            | -38.69      | -30         | Pass    | 40          |



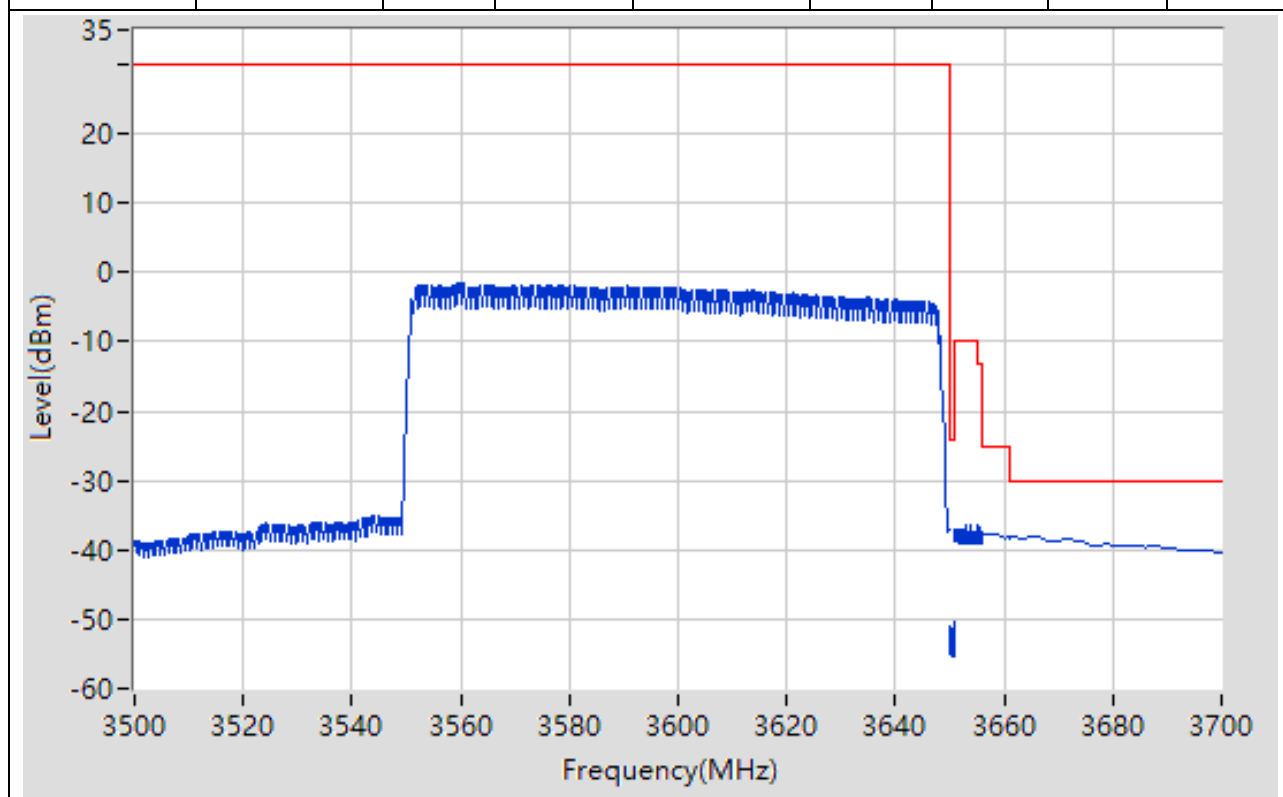
**63.23. Band Edge for SA\_IC(NTNV)(Subtest:31, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:1, RB Position:272)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3649            | 13.74       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.005        | -38.33      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3651            | -35.1       | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.353        | -41         | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3658            | -41         | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3679            | -41.1       | -30         | Pass    | 40          |



**63.24. Band Edge for SA\_IC(NTNV)(Subtest:32, Channel:640000, Bandwidth:100, SCS:30, OFDM:CP-OFDM, Modulation:QPSK, RB Number:273, RB Position:0)**

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|-----------------|-------------|-------------|---------|-------------|
| 3500                  | 3650                 | 1         | RMS      | 3560            | -1.54       | 30          | Pass    | 601         |
| 3650                  | 3651                 | 0.03      | RMS      | 3650.922        | -50.36      | -24         | Pass    | 601         |
| 3651                  | 3655                 | 1         | RMS      | 3652.787        | -36.3       | -10         | Pass    | 601         |
| 3655                  | 3656                 | 1         | RMS      | 3655.345        | -36.63      | -13         | Pass    | 601         |
| 3656                  | 3660                 | 1         | RMS      | 3657            | -37.58      | -25         | Pass    | 6           |
| 3660                  | 3700                 | 1         | RMS      | 3665            | -38.18      | -30         | Pass    | 40          |





END