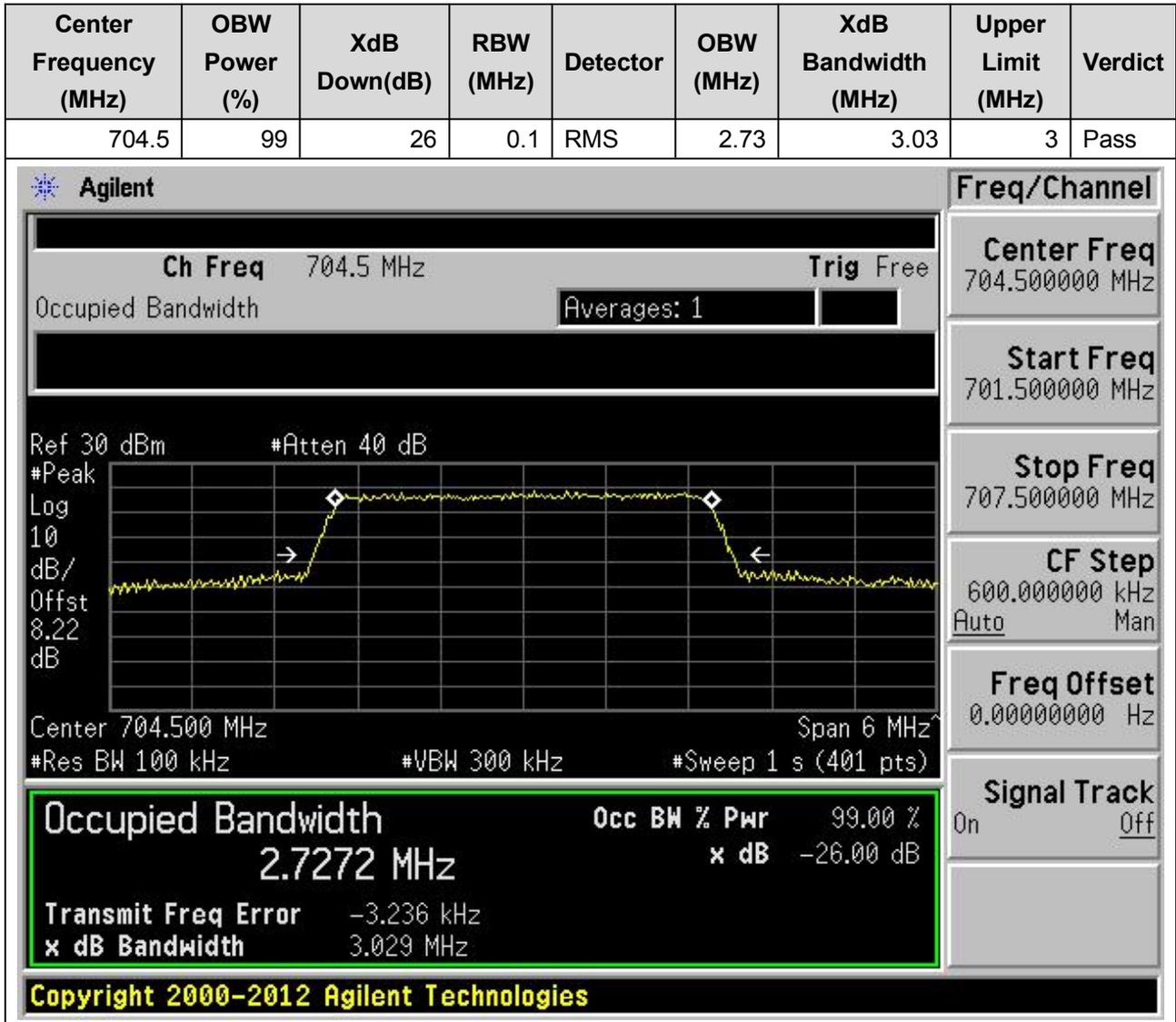


A.3 LTE Occupied Bandwidth

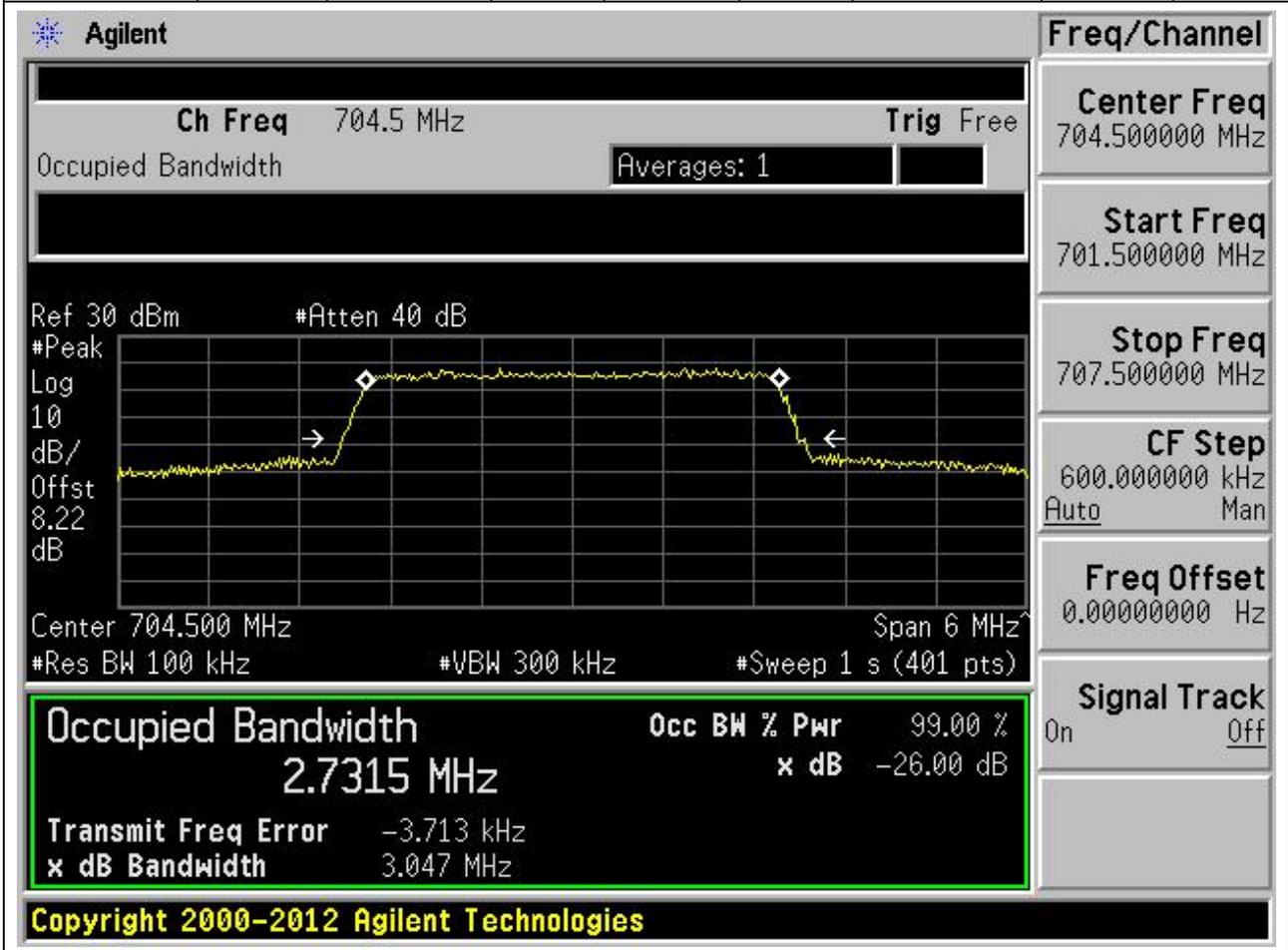
1. LTE_Band28

1.1. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:1, Channel:27225, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)



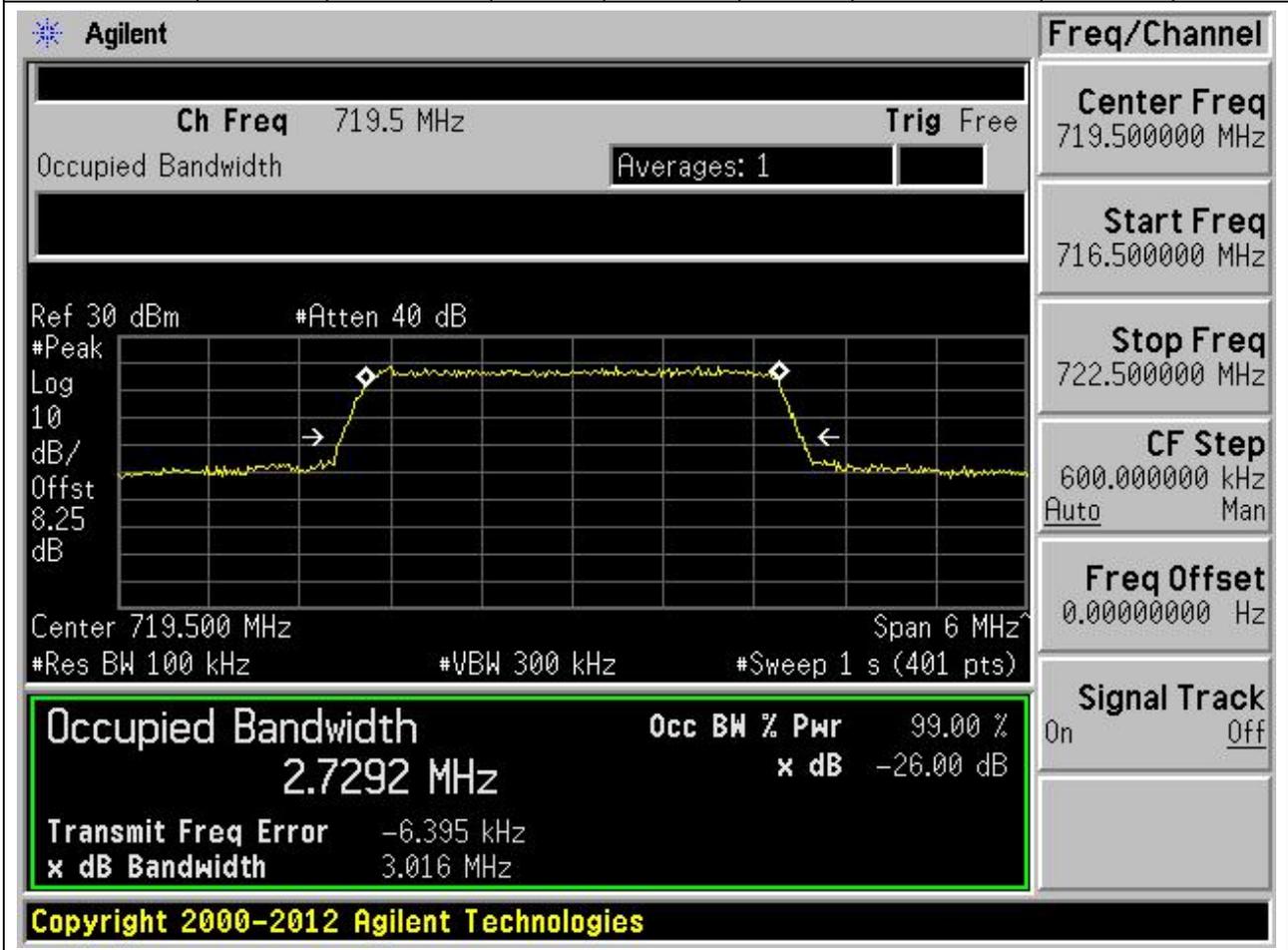
1.2. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:2, Channel:27225, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 704.5 | 99 | 26 | 0.1 | RMS | 2.73 | 3.05 | 3 | Pass |



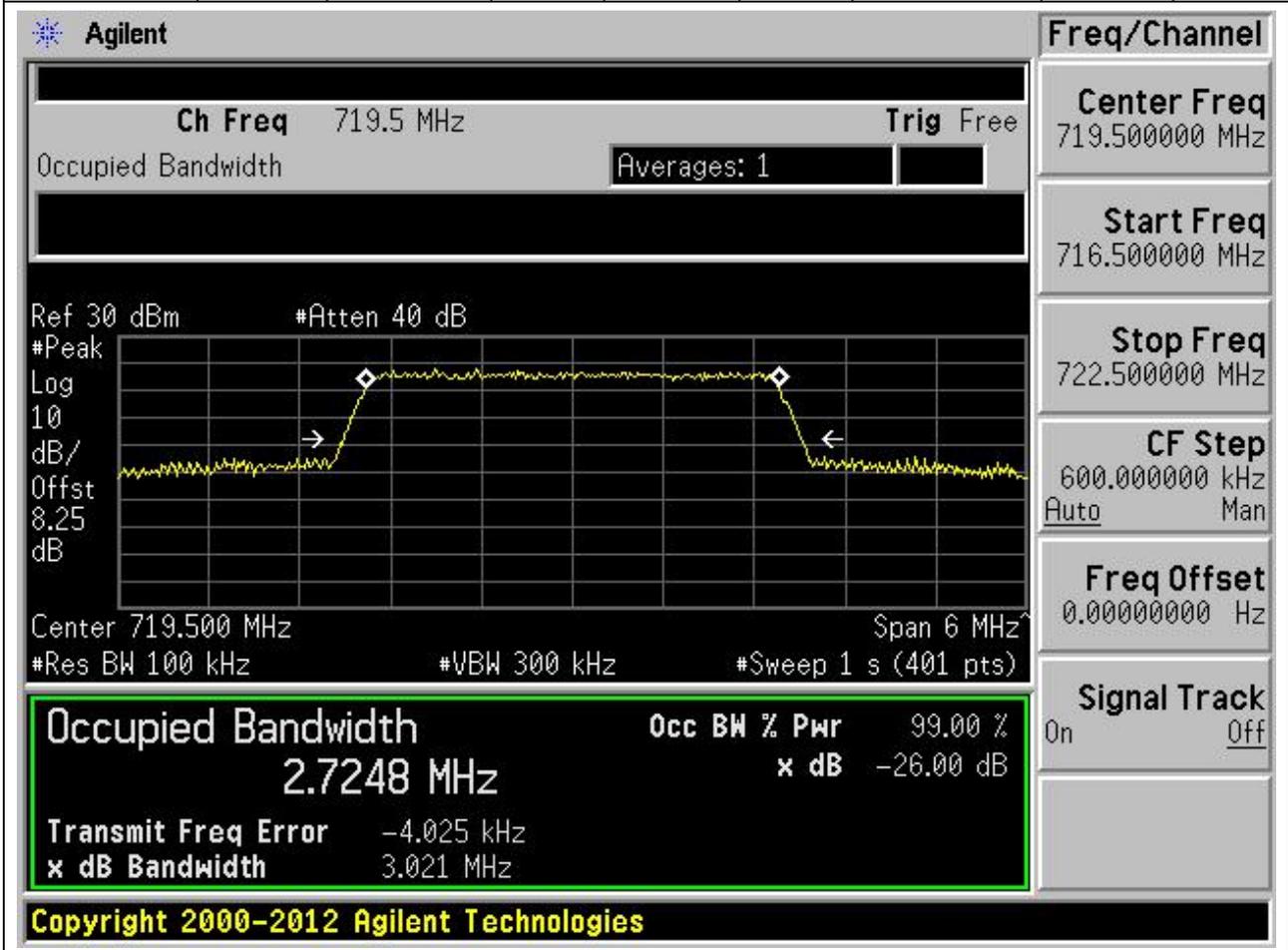
1.3. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:3, Channel:27375, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 719.5 | 99 | 26 | 0.1 | RMS | 2.73 | 3.02 | 3 | Pass |



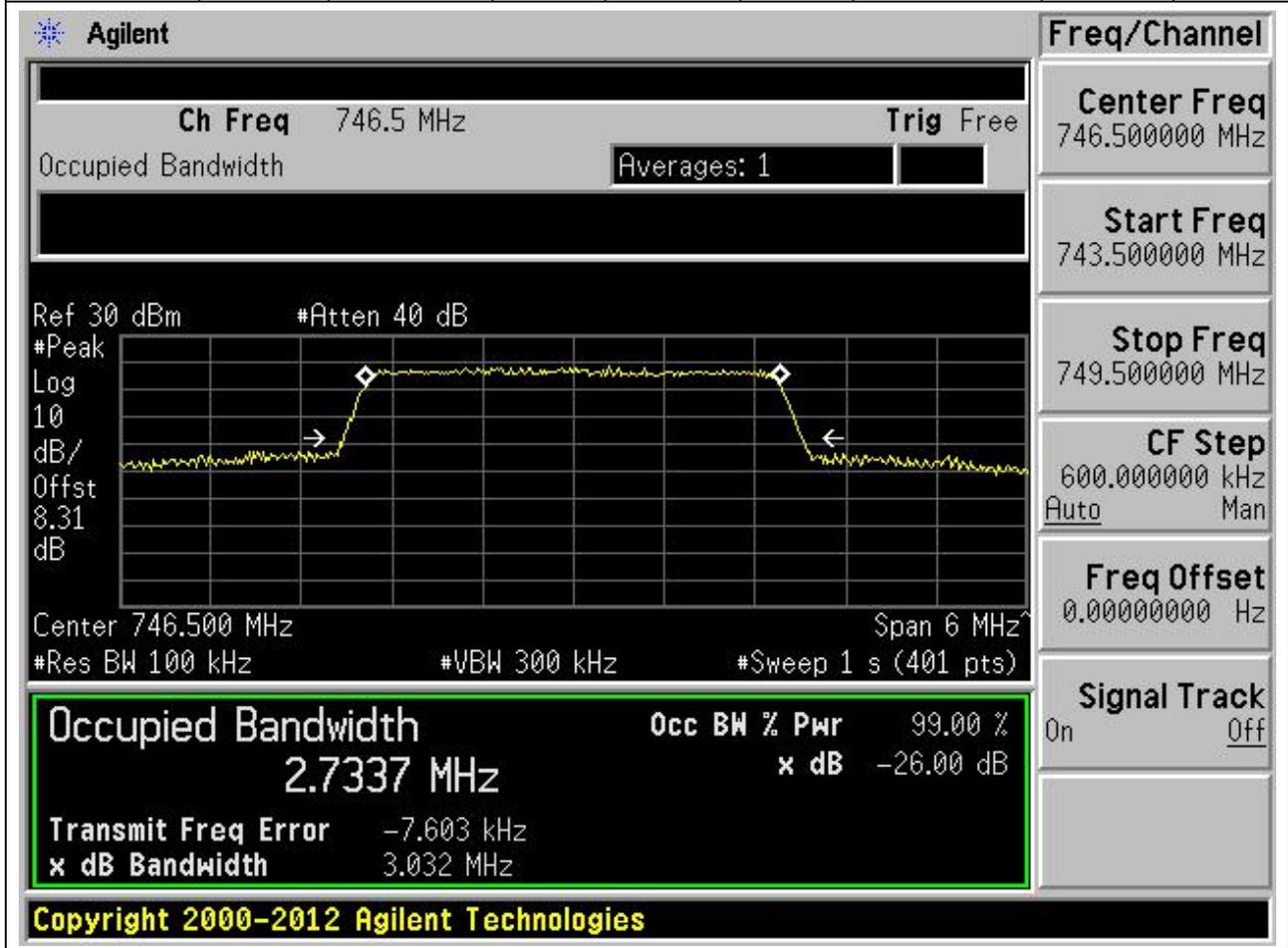
1.4. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:4, Channel:27375, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 719.5 | 99 | 26 | 0.1 | RMS | 2.72 | 3.02 | 3 | Pass |



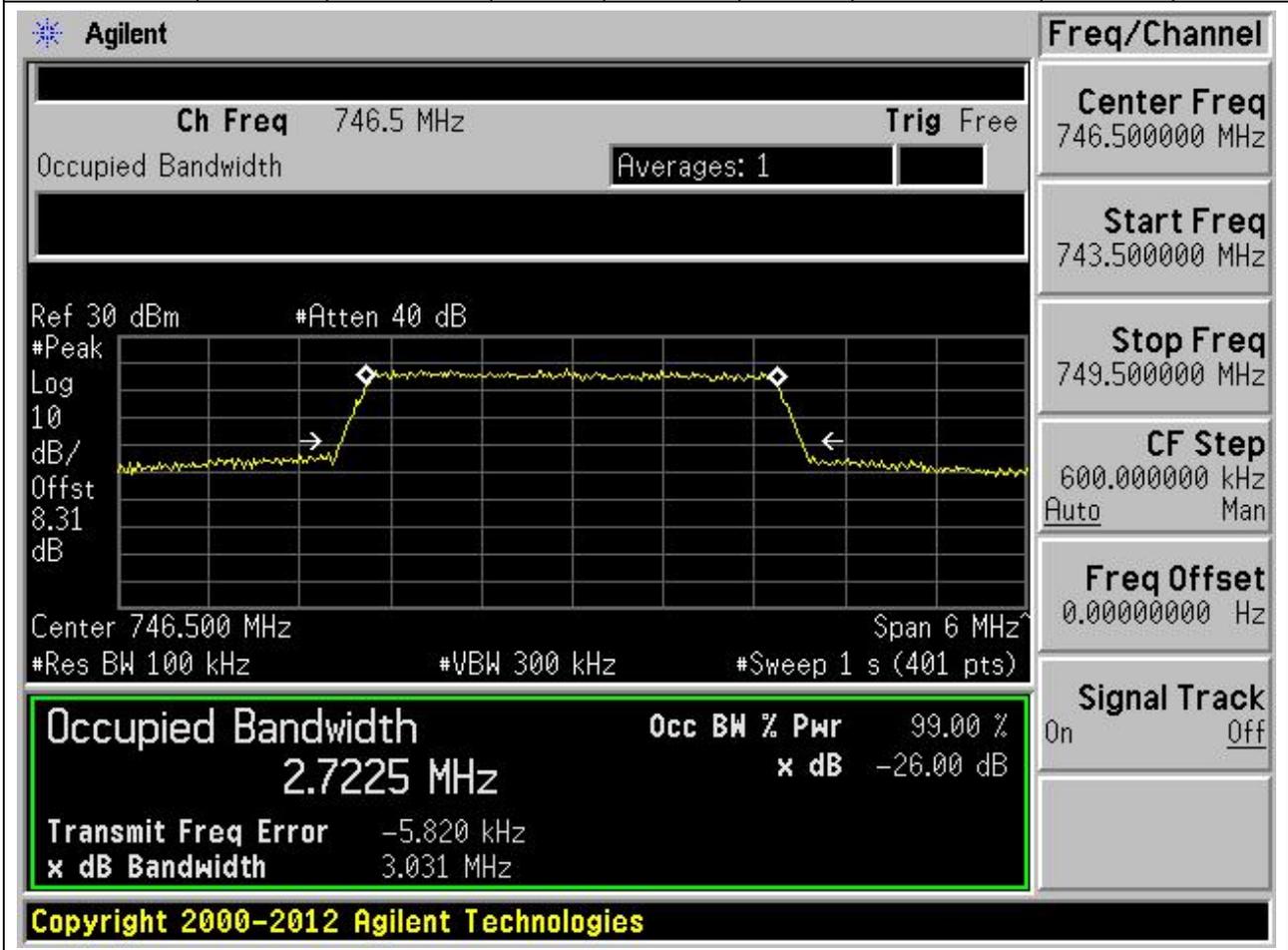
1.5. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:5, Channel:27645, Bandwidth:3, Modulation:QPSK, RB Number: 15, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 746.5 | 99 | 26 | 0.1 | RMS | 2.73 | 3.03 | 3 | Pass |



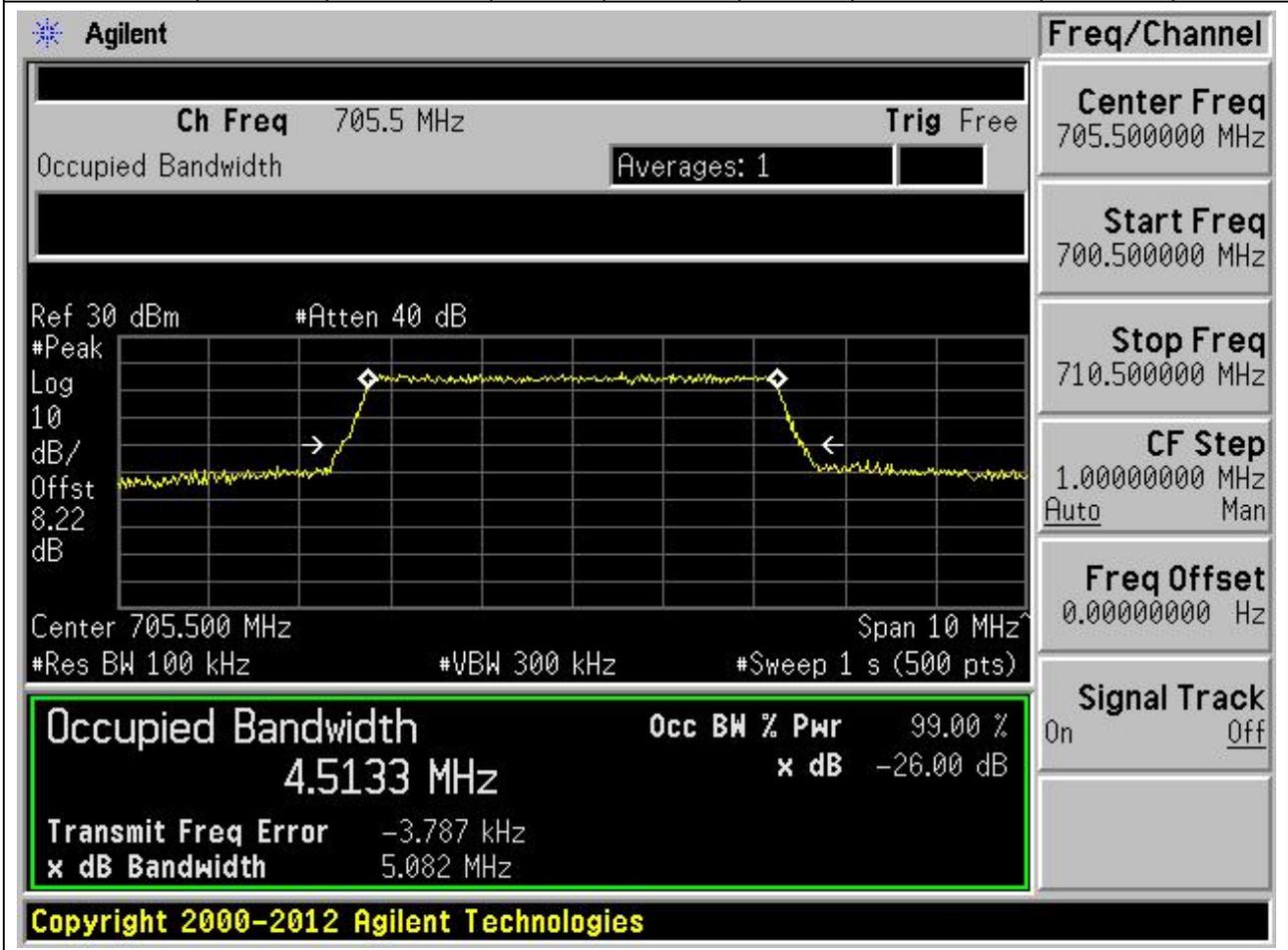
1.6. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:6, Channel:27645, Bandwidth:3, Modulation:Q16, RB Number: 15, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 746.5 | 99 | 26 | 0.1 | RMS | 2.72 | 3.03 | 3 | Pass |



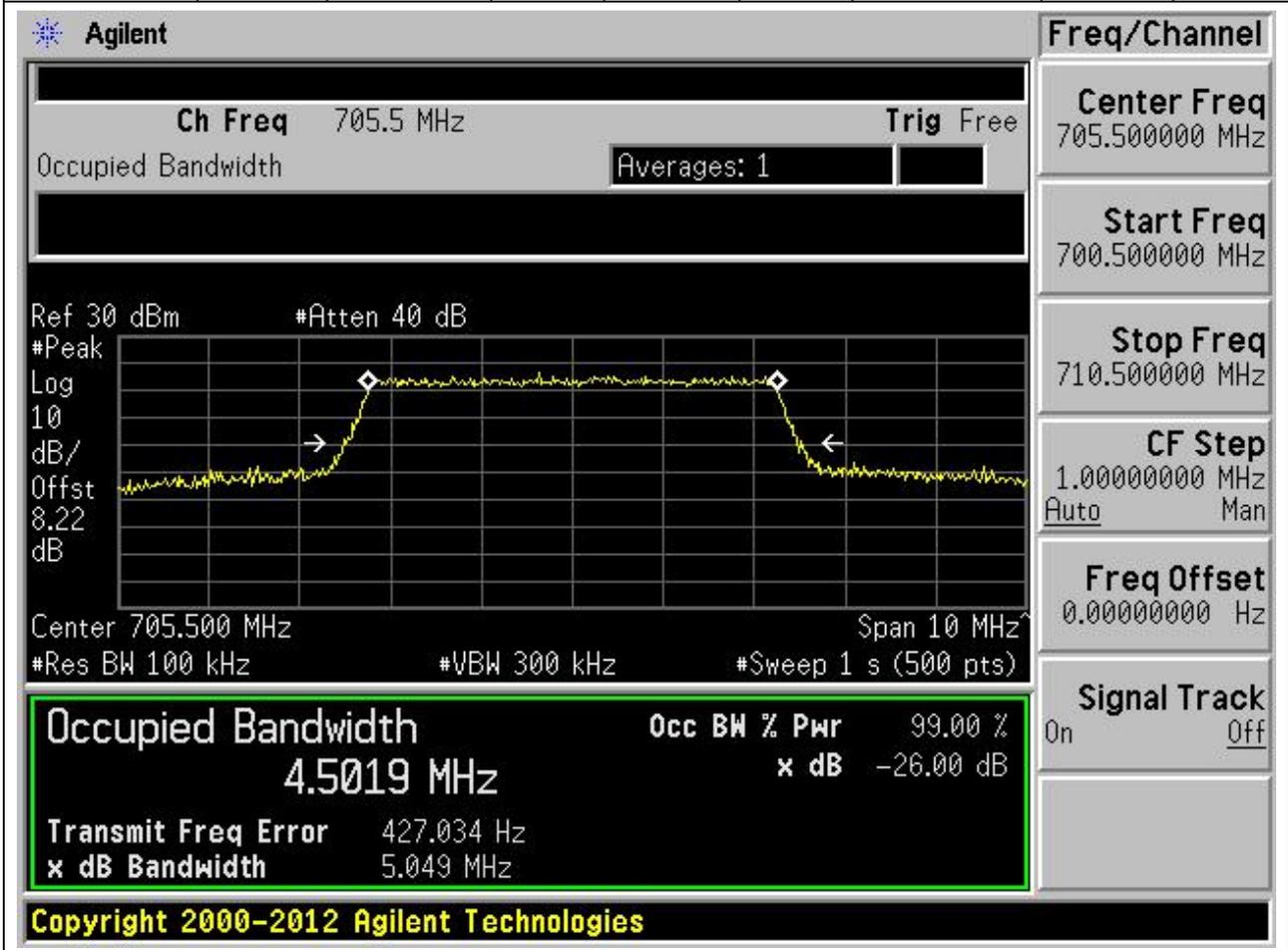
1.7. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:7, Channel:27235, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 705.5 | 99 | 26 | 0.1 | RMS | 4.51 | 5.08 | 5 | Pass |



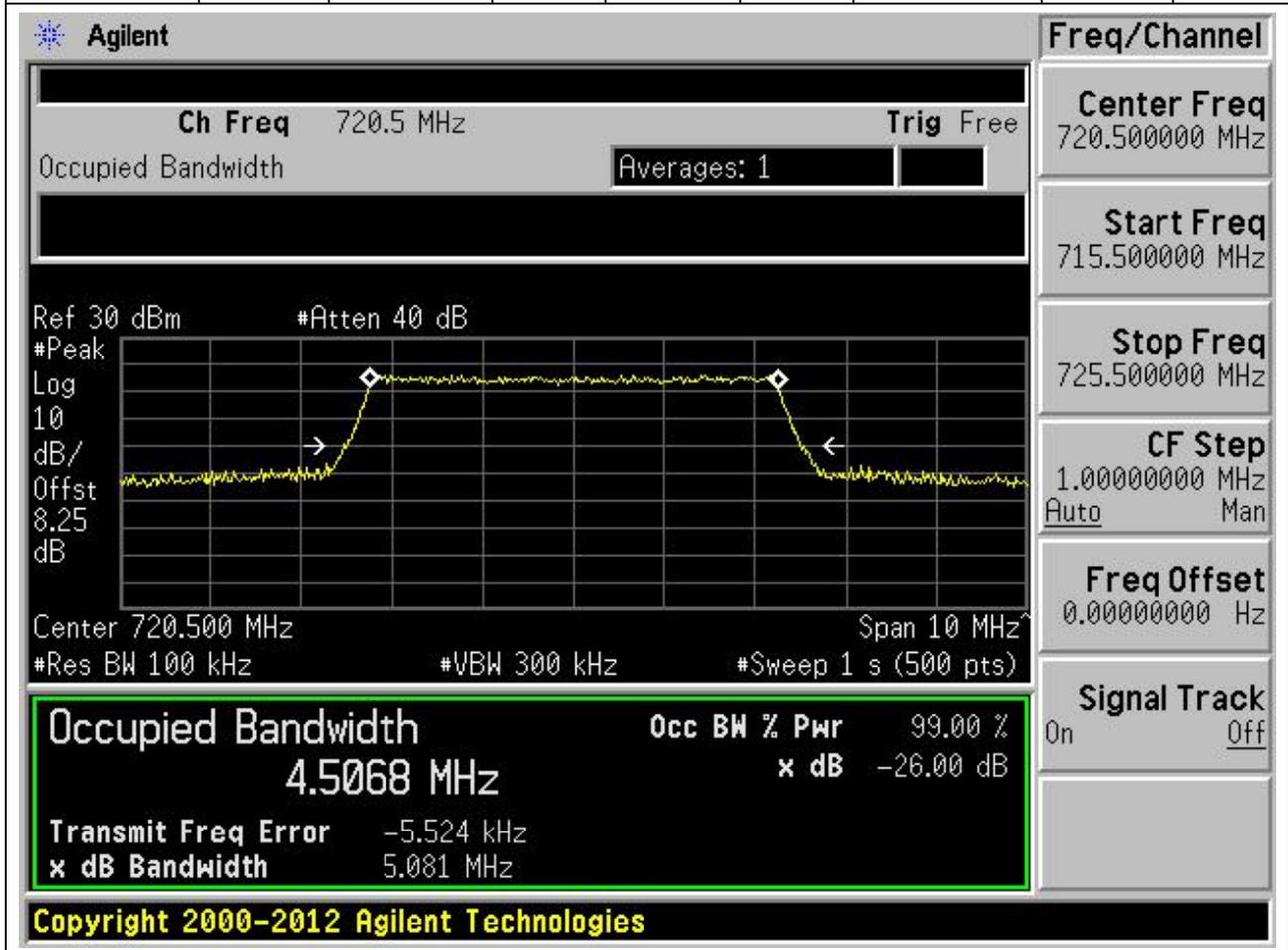
1.8. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:8, Channel:27235, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 705.5 | 99 | 26 | 0.1 | RMS | 4.5 | 5.05 | 5 | Pass |



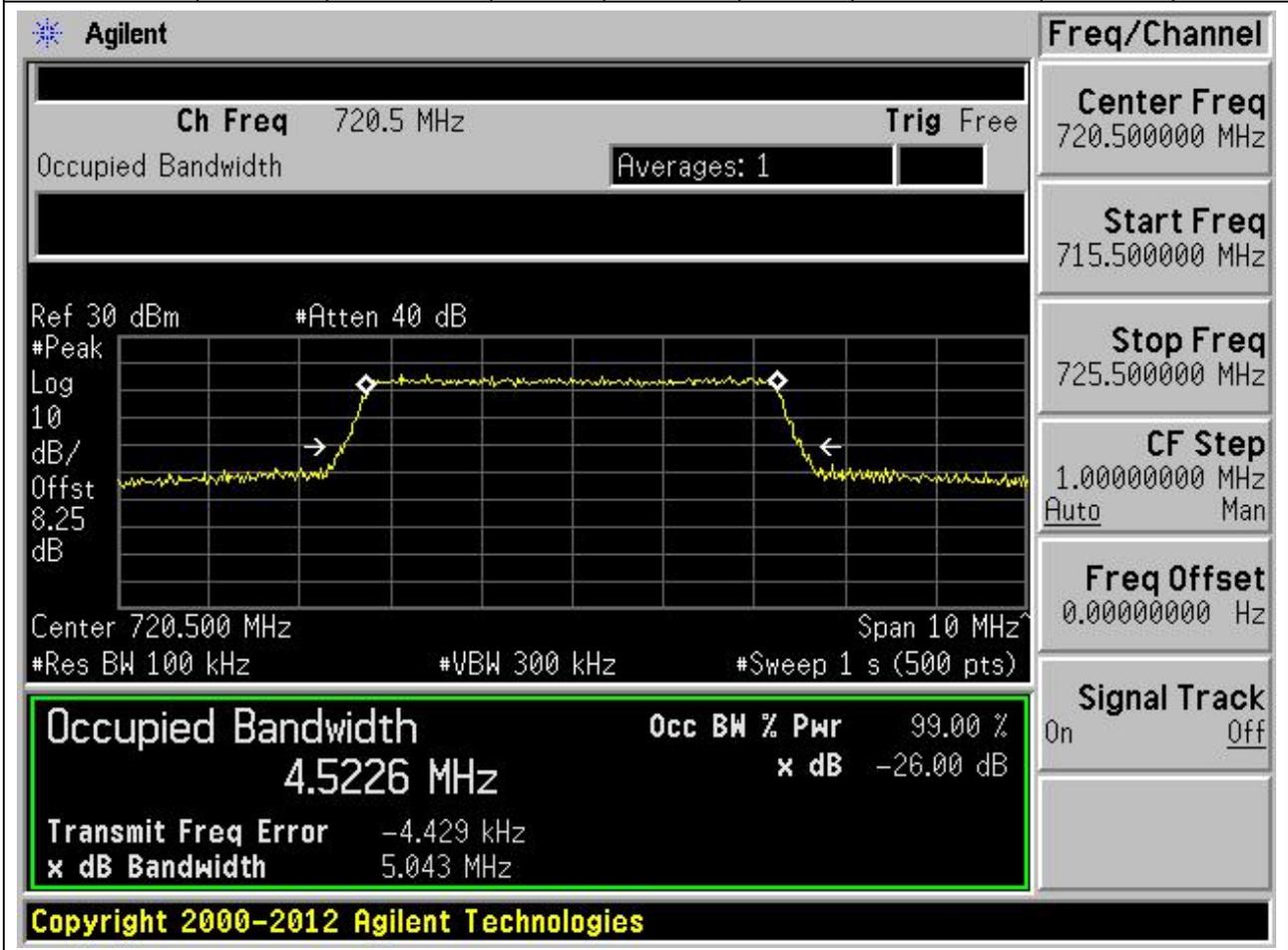
1.9. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:9, Channel:27385, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 720.5 | 99 | 26 | 0.1 | RMS | 4.51 | 5.08 | 5 | Pass |



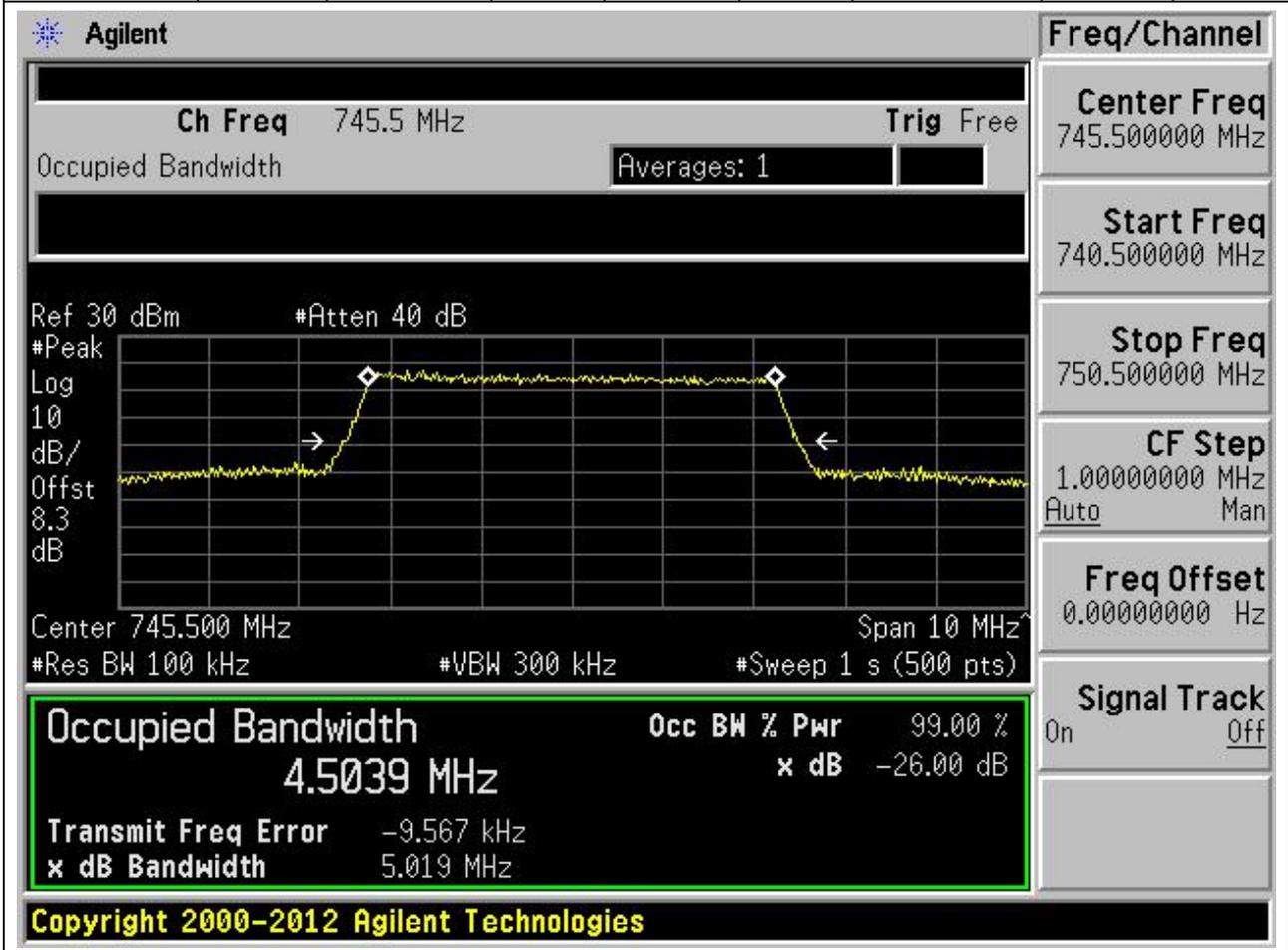
1.10. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:10, Channel:27385, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 720.5 | 99 | 26 | 0.1 | RMS | 4.52 | 5.04 | 5 | Pass |



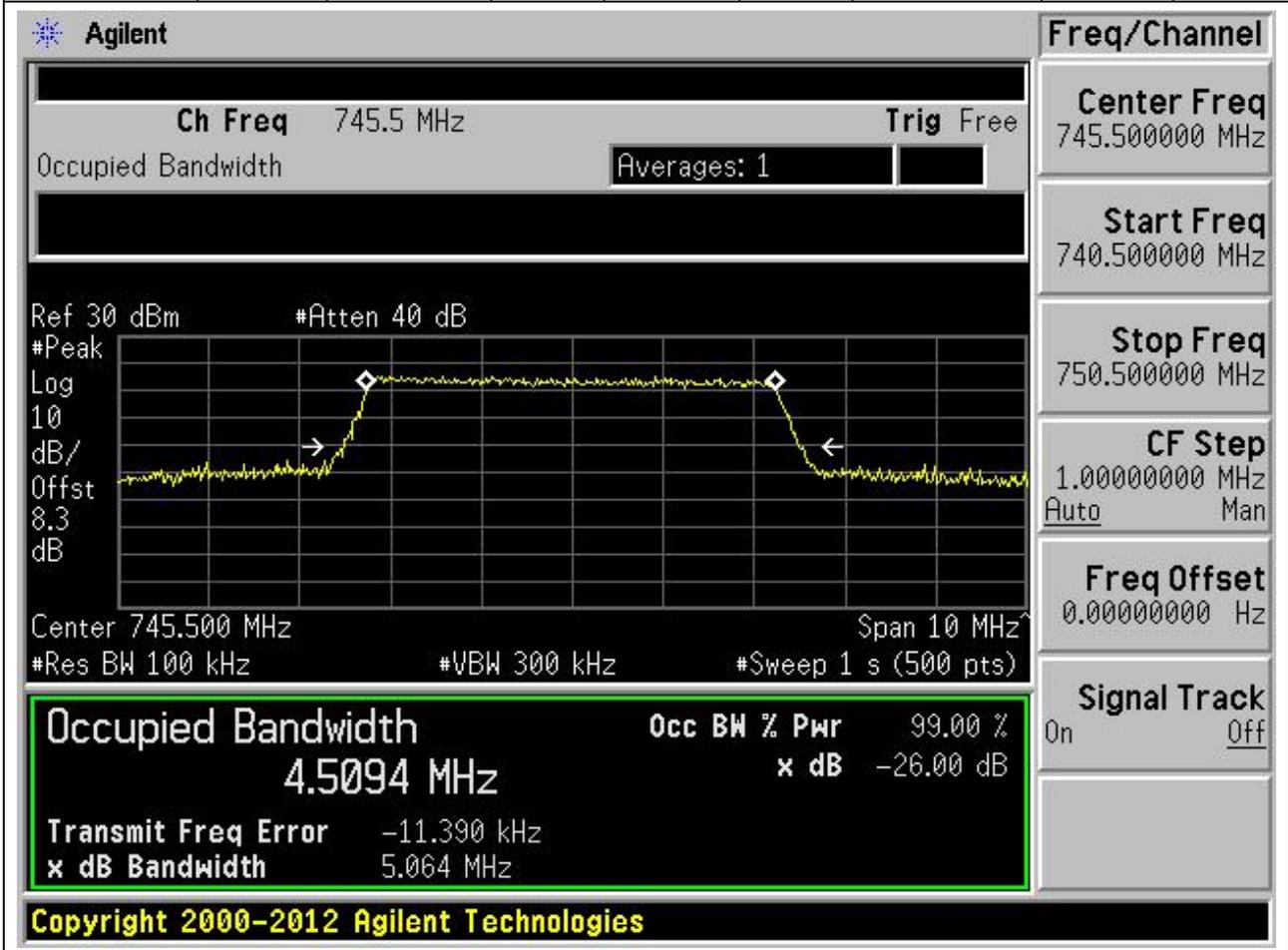
1.11. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:11, Channel:27635, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 745.5 | 99 | 26 | 0.1 | RMS | 4.5 | 5.02 | 5 | Pass |



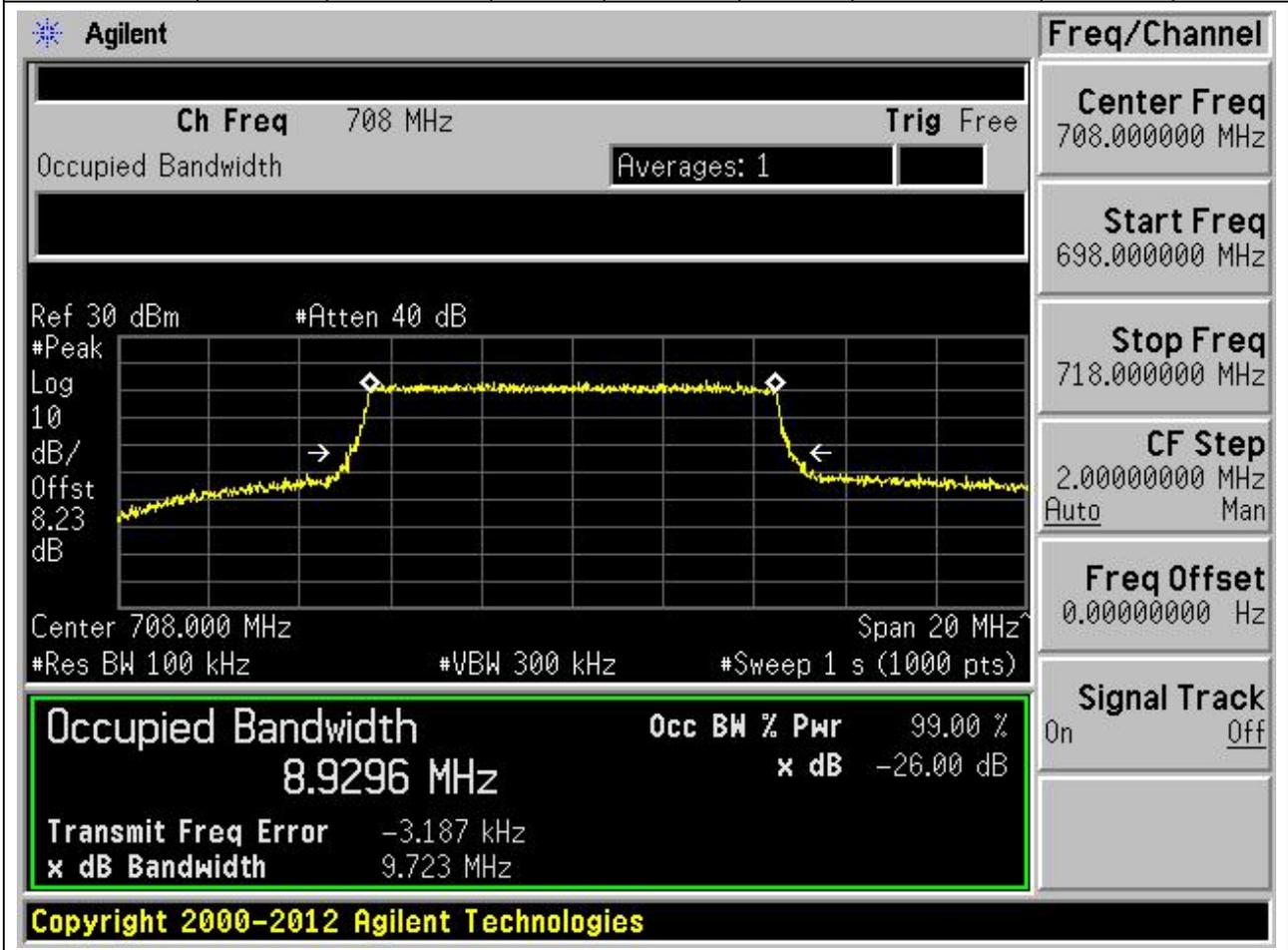
1.12. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:12, Channel:27635, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 745.5 | 99 | 26 | 0.1 | RMS | 4.51 | 5.06 | 5 | Pass |



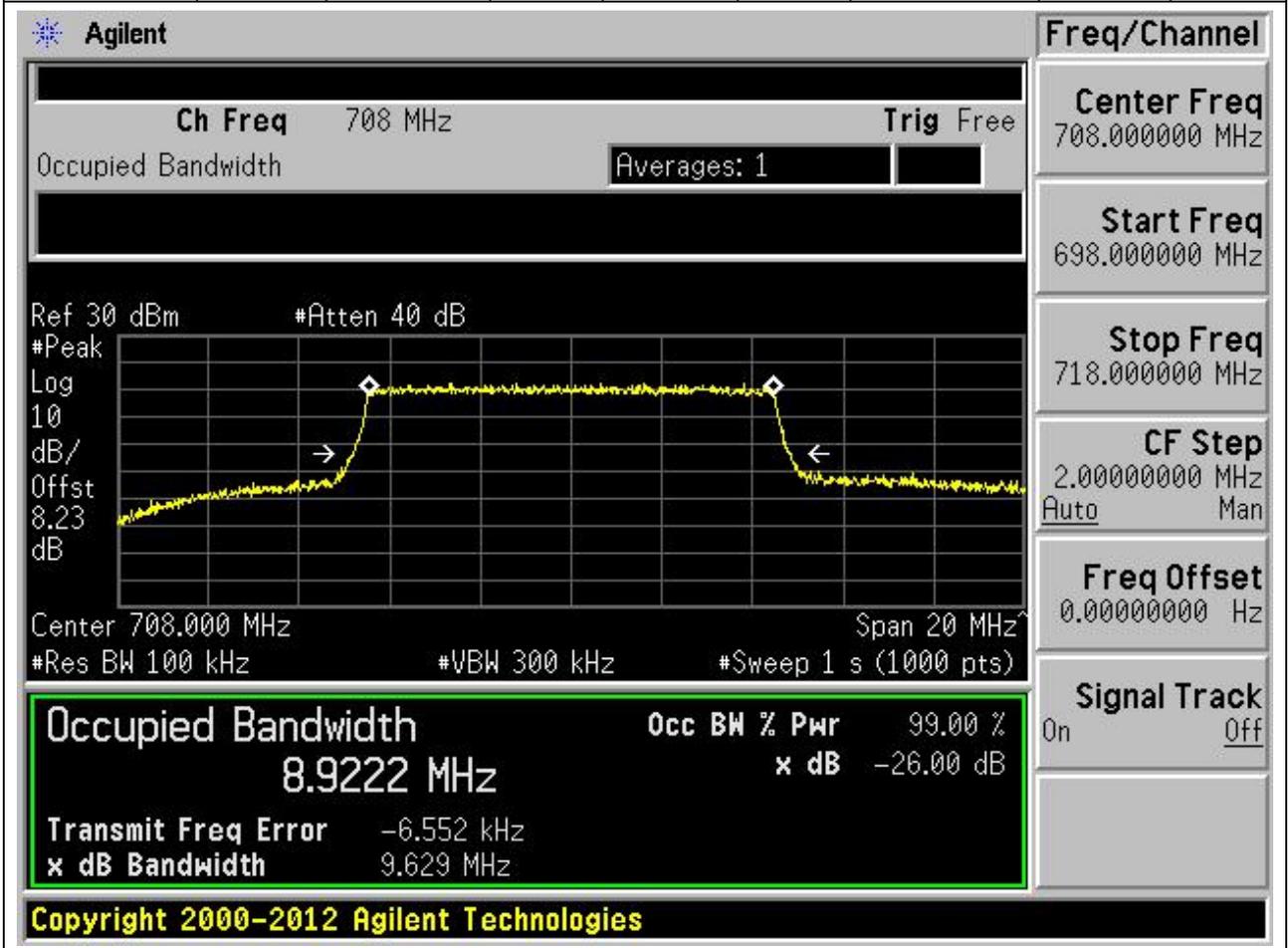
1.13. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:13, Channel:27260, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 708 | 99 | 26 | 0.1 | RMS | 8.93 | 9.72 | 10 | Pass |



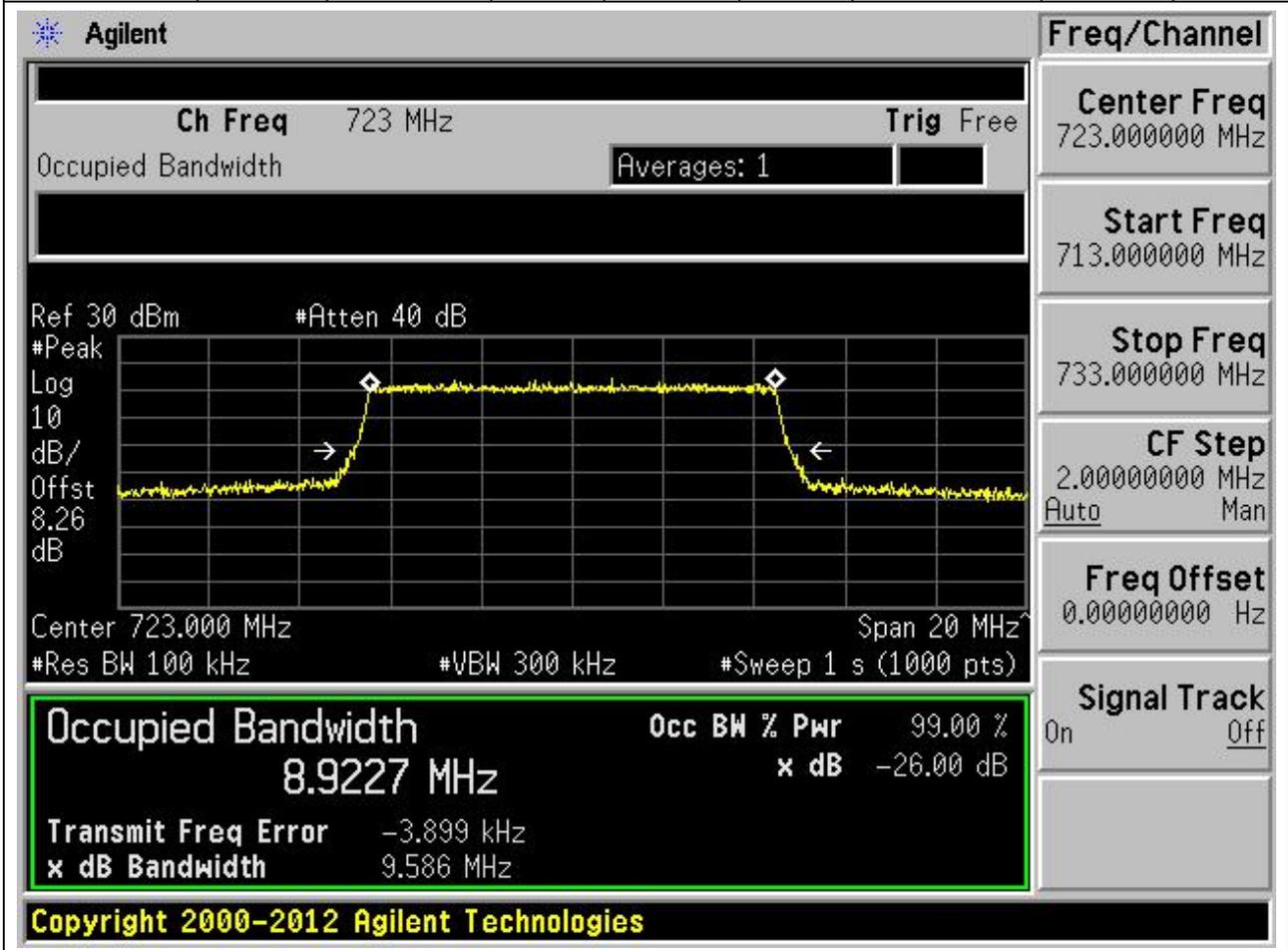
1.14. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:14, Channel:27260, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 708 | 99 | 26 | 0.1 | RMS | 8.92 | 9.63 | 10 | Pass |



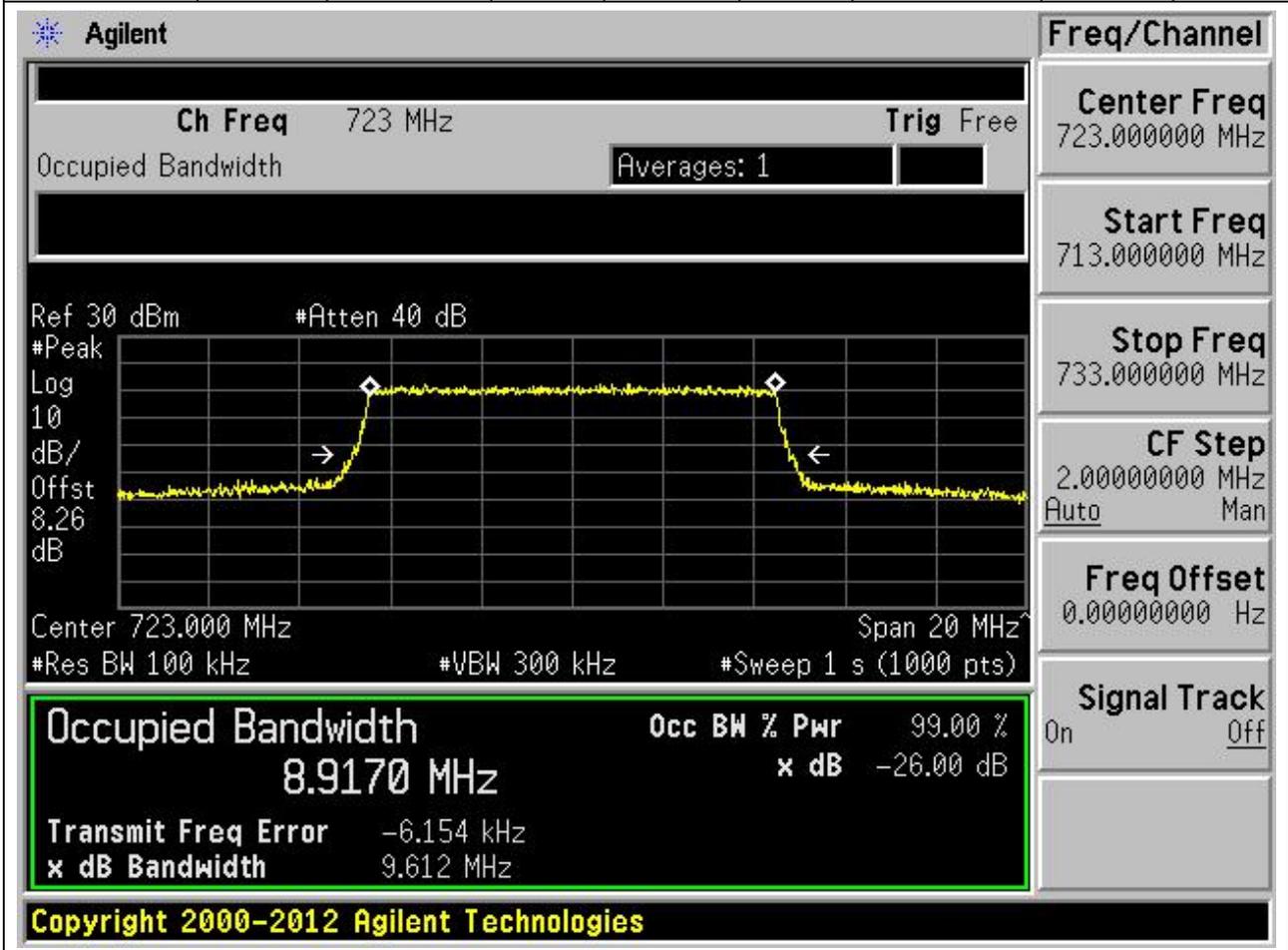
1.15. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:15, Channel:27410, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 723 | 99 | 26 | 0.1 | RMS | 8.92 | 9.59 | 10 | Pass |



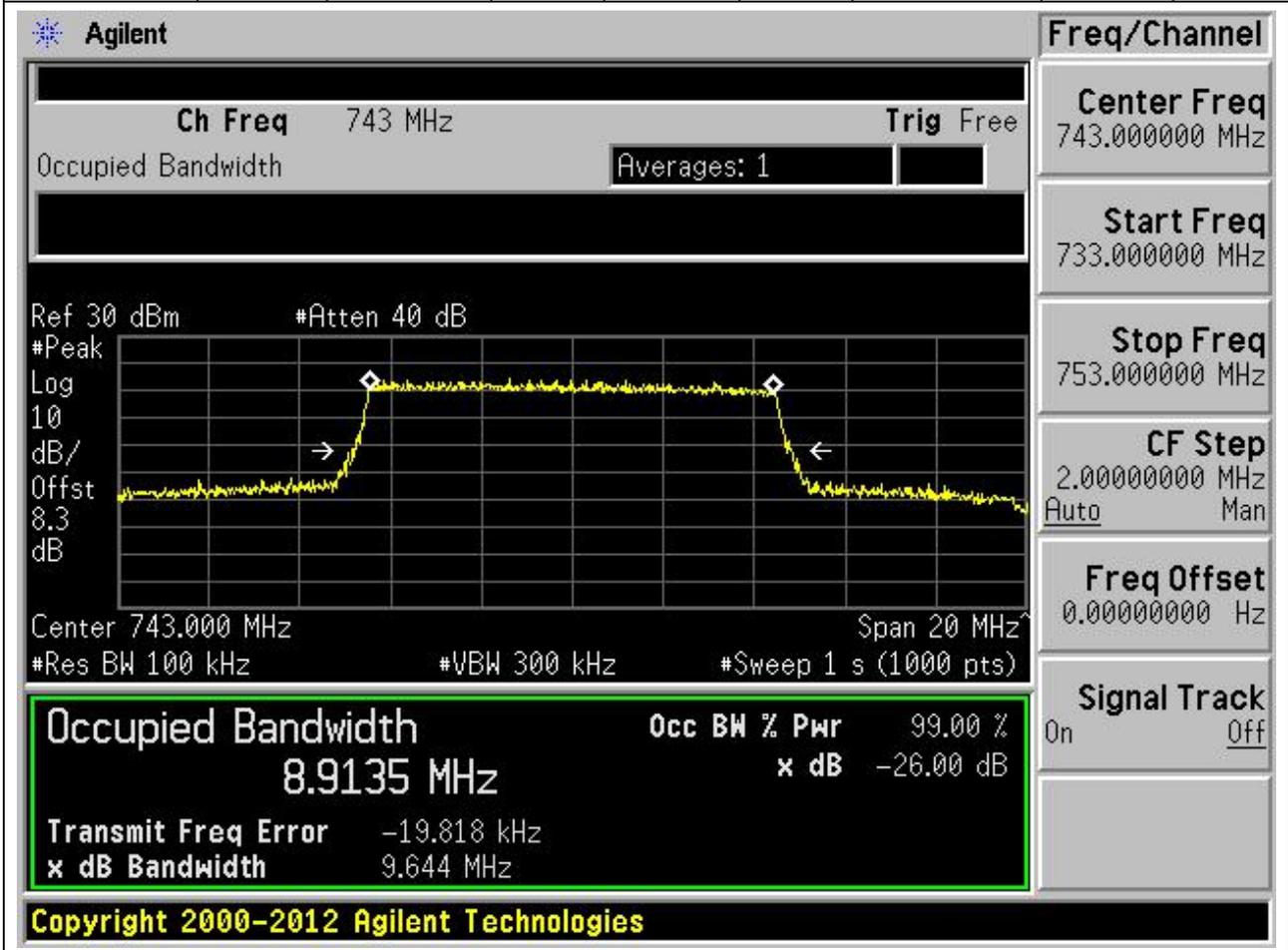
1.16. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:16, Channel:27410, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 723 | 99 | 26 | 0.1 | RMS | 8.92 | 9.61 | 10 | Pass |



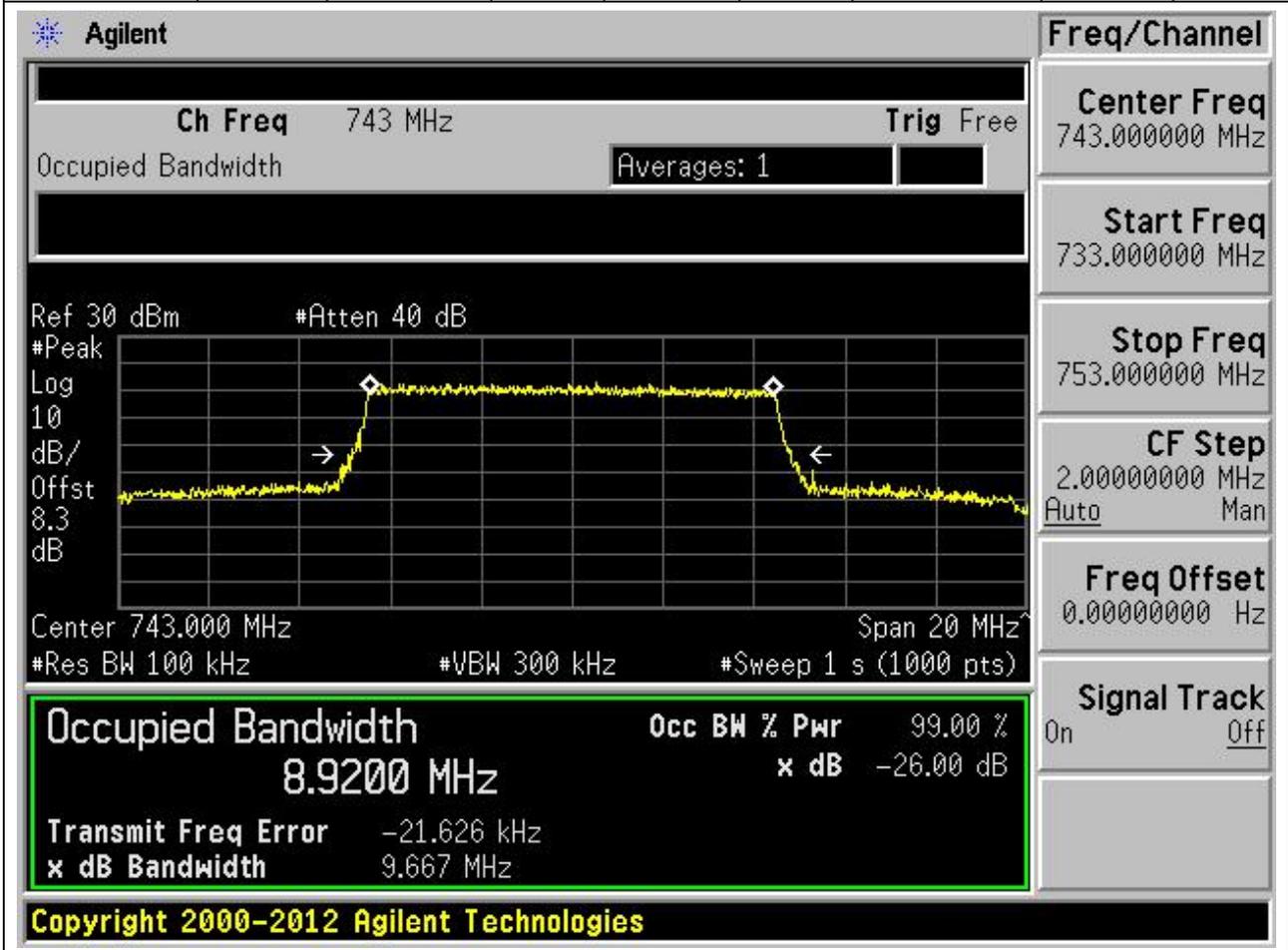
1.17. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:17, Channel:27610, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 743 | 99 | 26 | 0.1 | RMS | 8.91 | 9.64 | 10 | Pass |



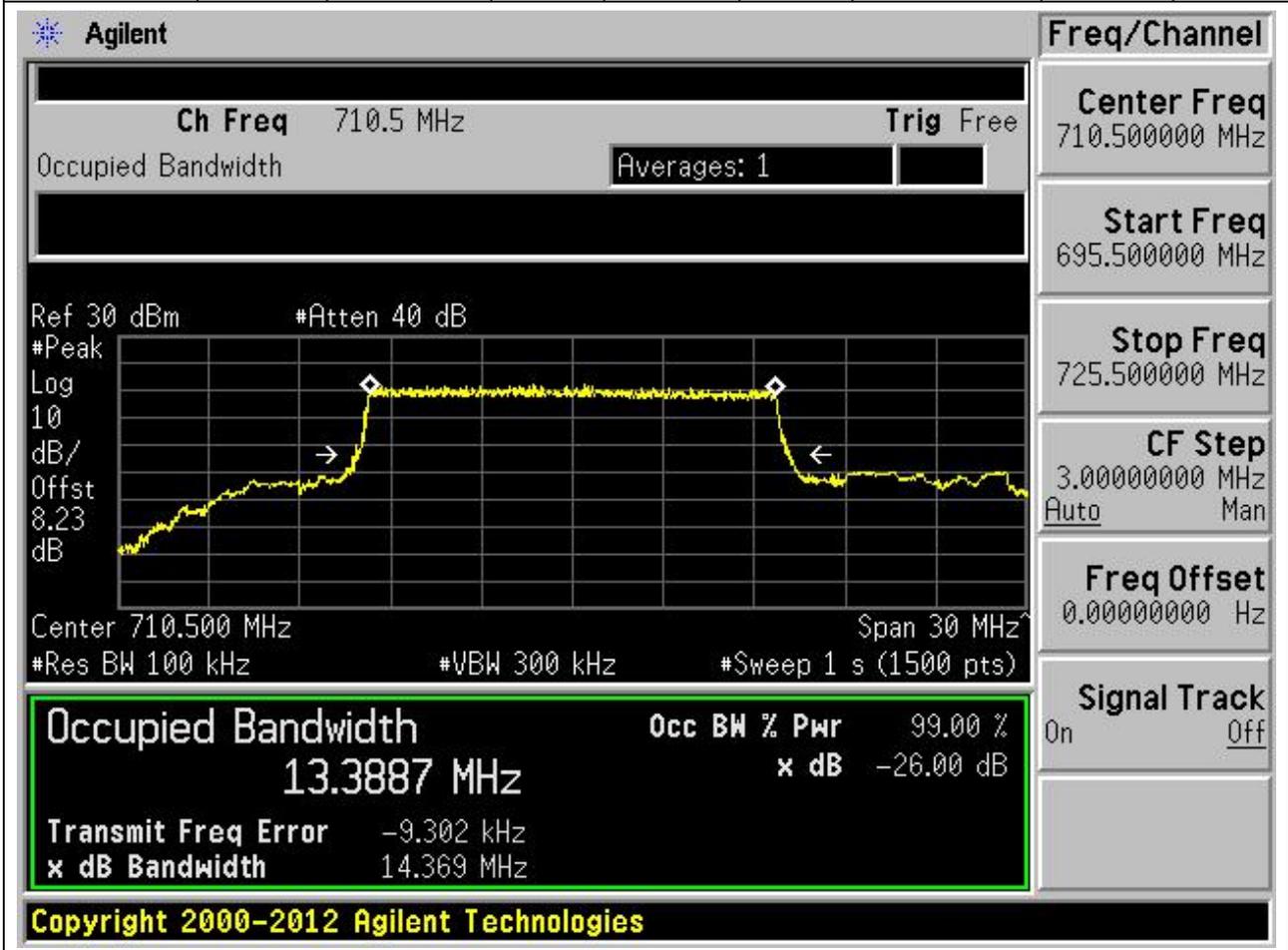
1.18. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:18, Channel:27610, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 743 | 99 | 26 | 0.1 | RMS | 8.92 | 9.67 | 10 | Pass |



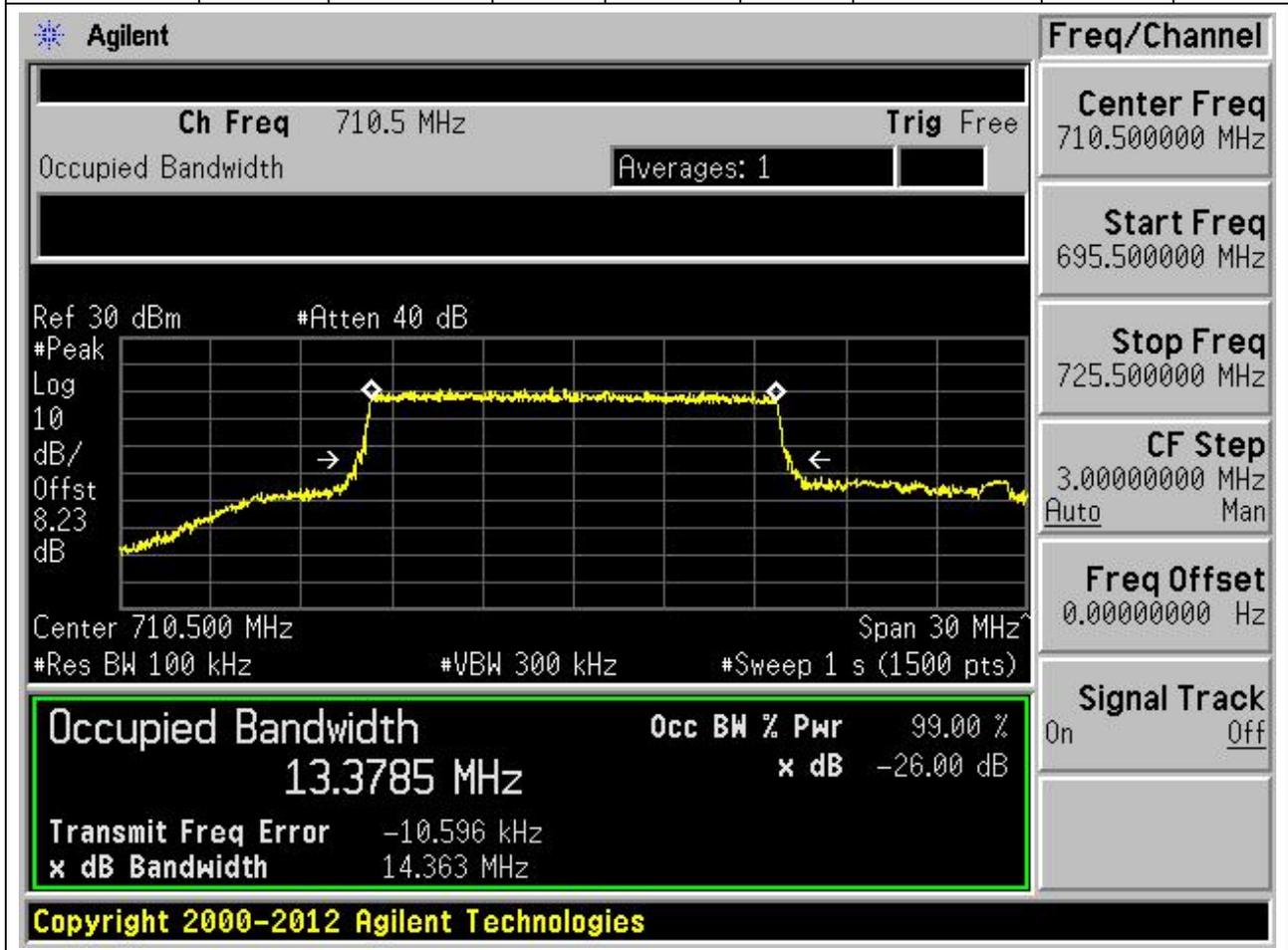
1.19. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:19, Channel:27285, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 710.5 | 99 | 26 | 0.1 | RMS | 13.39 | 14.37 | 15 | Pass |



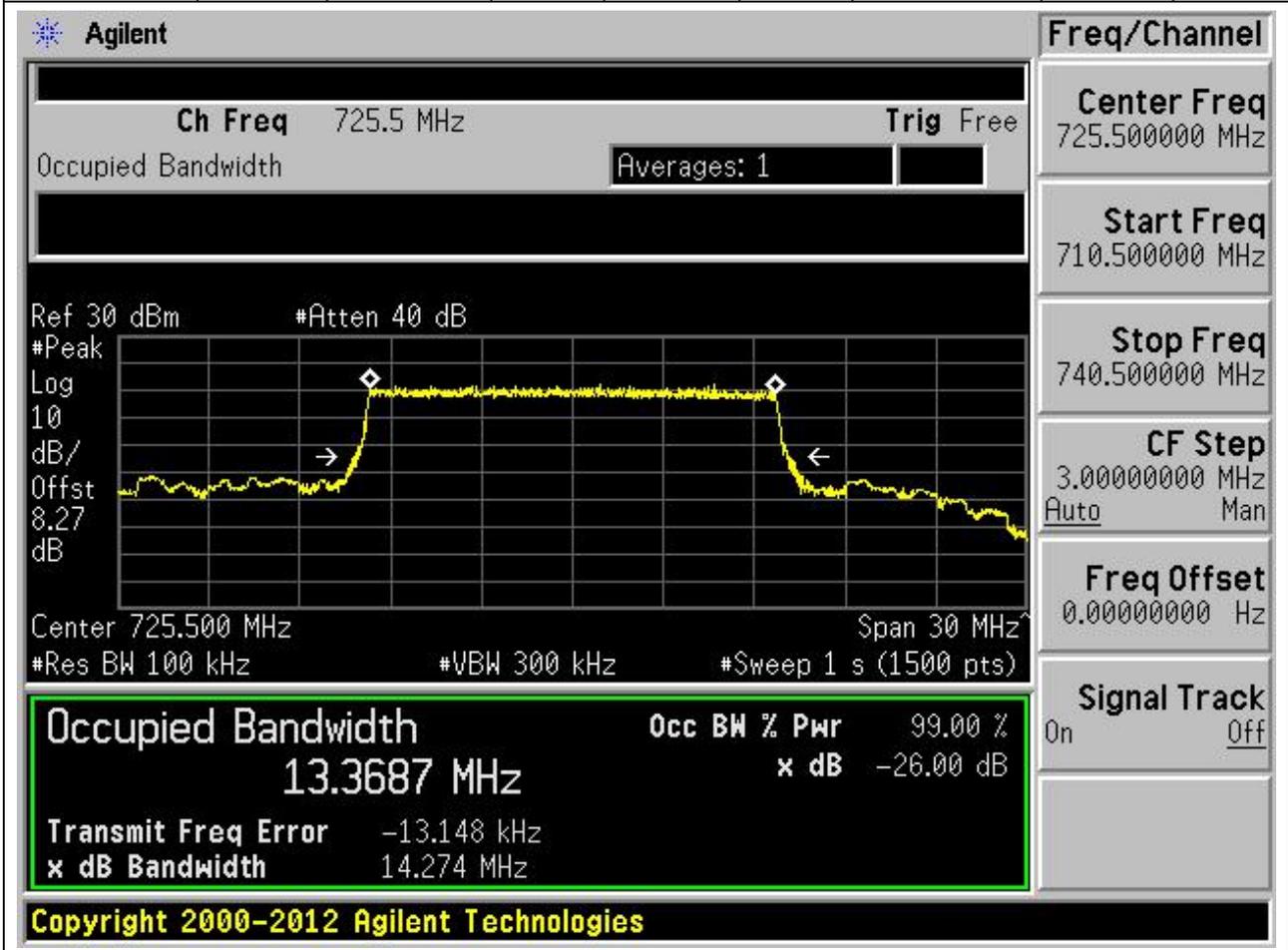
1.20. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:20, Channel:27285, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 710.5 | 99 | 26 | 0.1 | RMS | 13.38 | 14.36 | 15 | Pass |



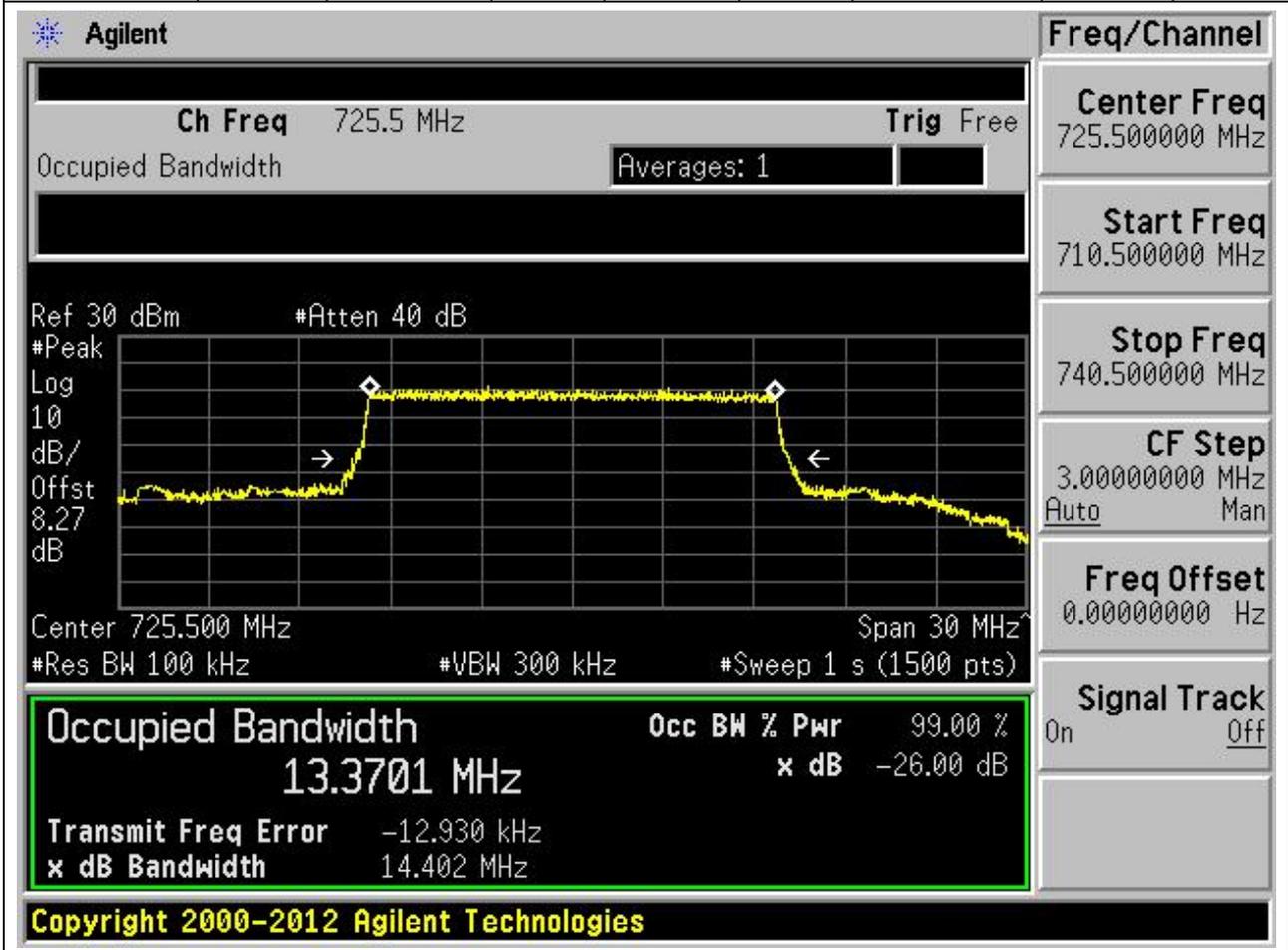
1.21. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:21, Channel:27435, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 725.5 | 99 | 26 | 0.1 | RMS | 13.37 | 14.27 | 15 | Pass |



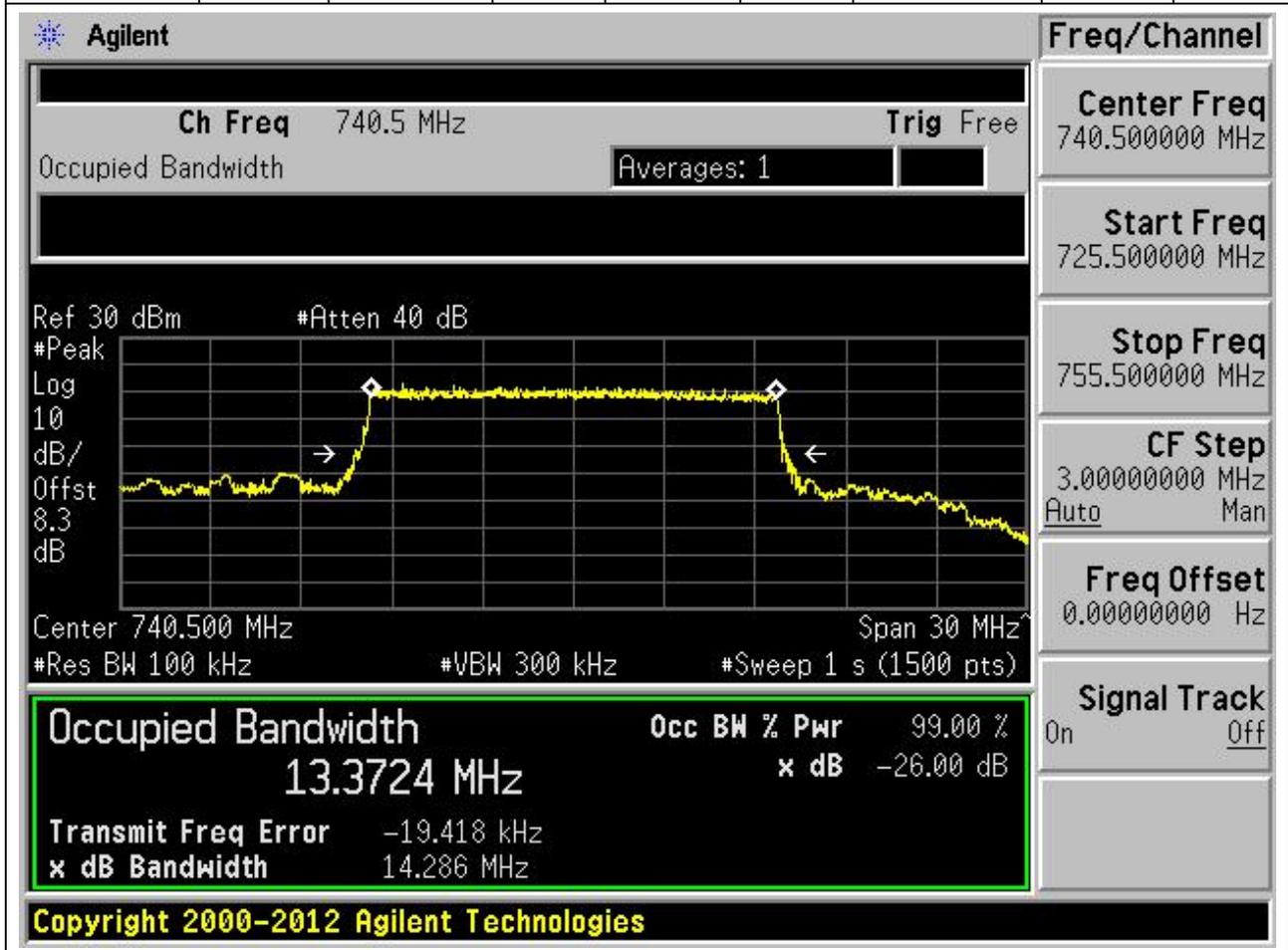
1.22. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:22, Channel:27435, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 725.5 | 99 | 26 | 0.1 | RMS | 13.37 | 14.4 | 15 | Pass |



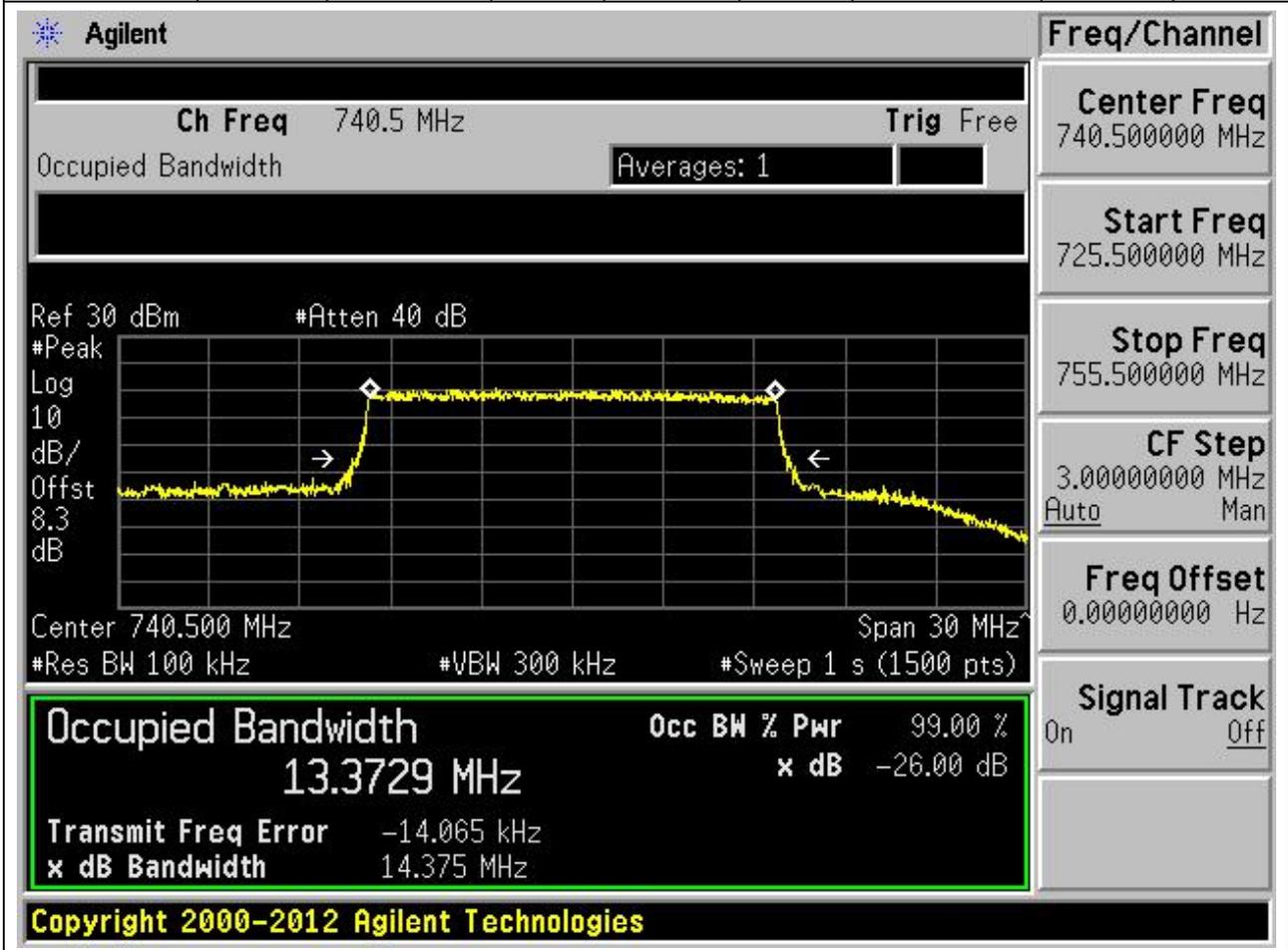
1.23. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:23, Channel:27585, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 740.5 | 99 | 26 | 0.1 | RMS | 13.37 | 14.29 | 15 | Pass |



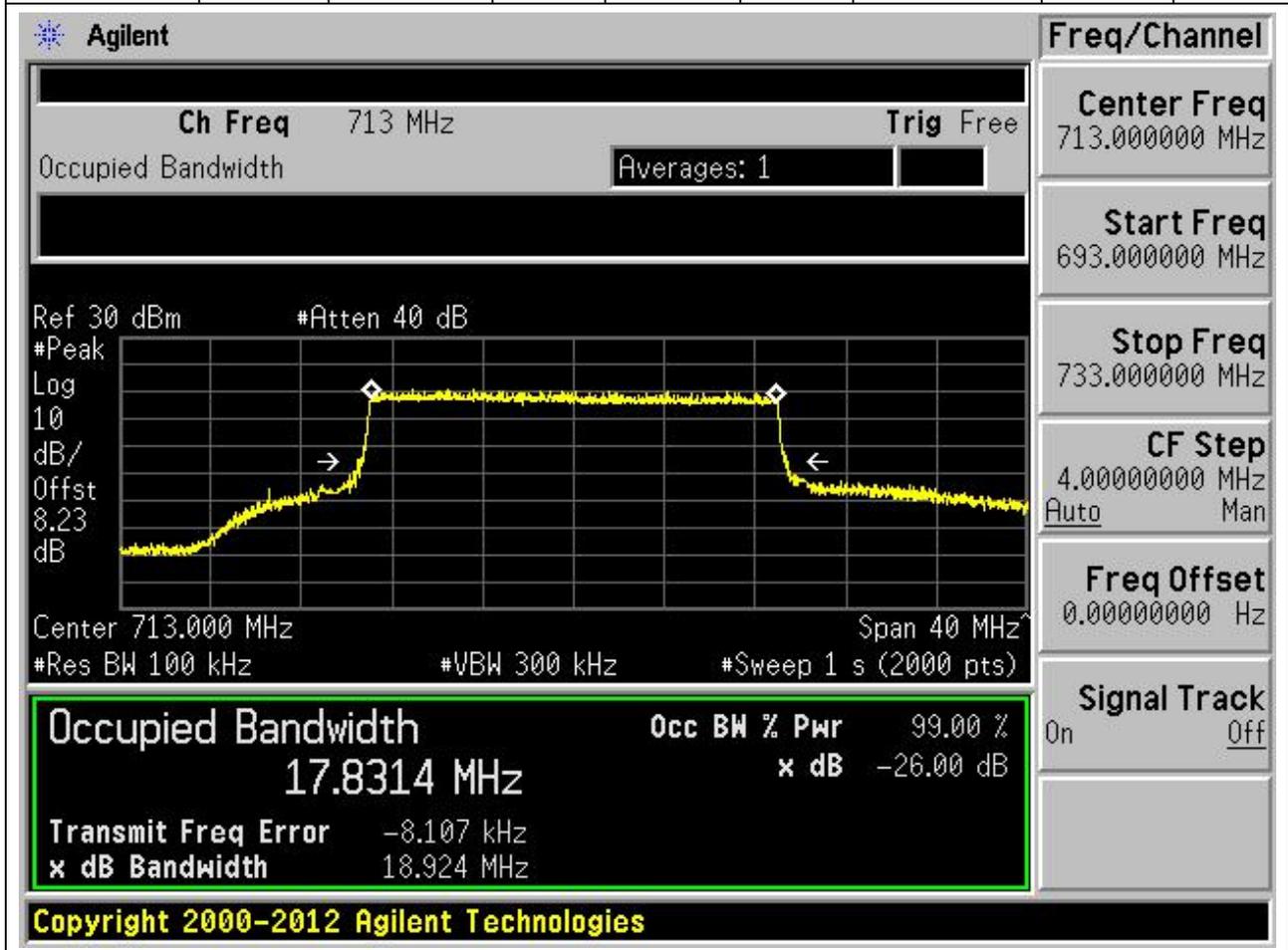
1.24. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:24, Channel:27585, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 740.5 | 99 | 26 | 0.1 | RMS | 13.37 | 14.38 | 15 | Pass |



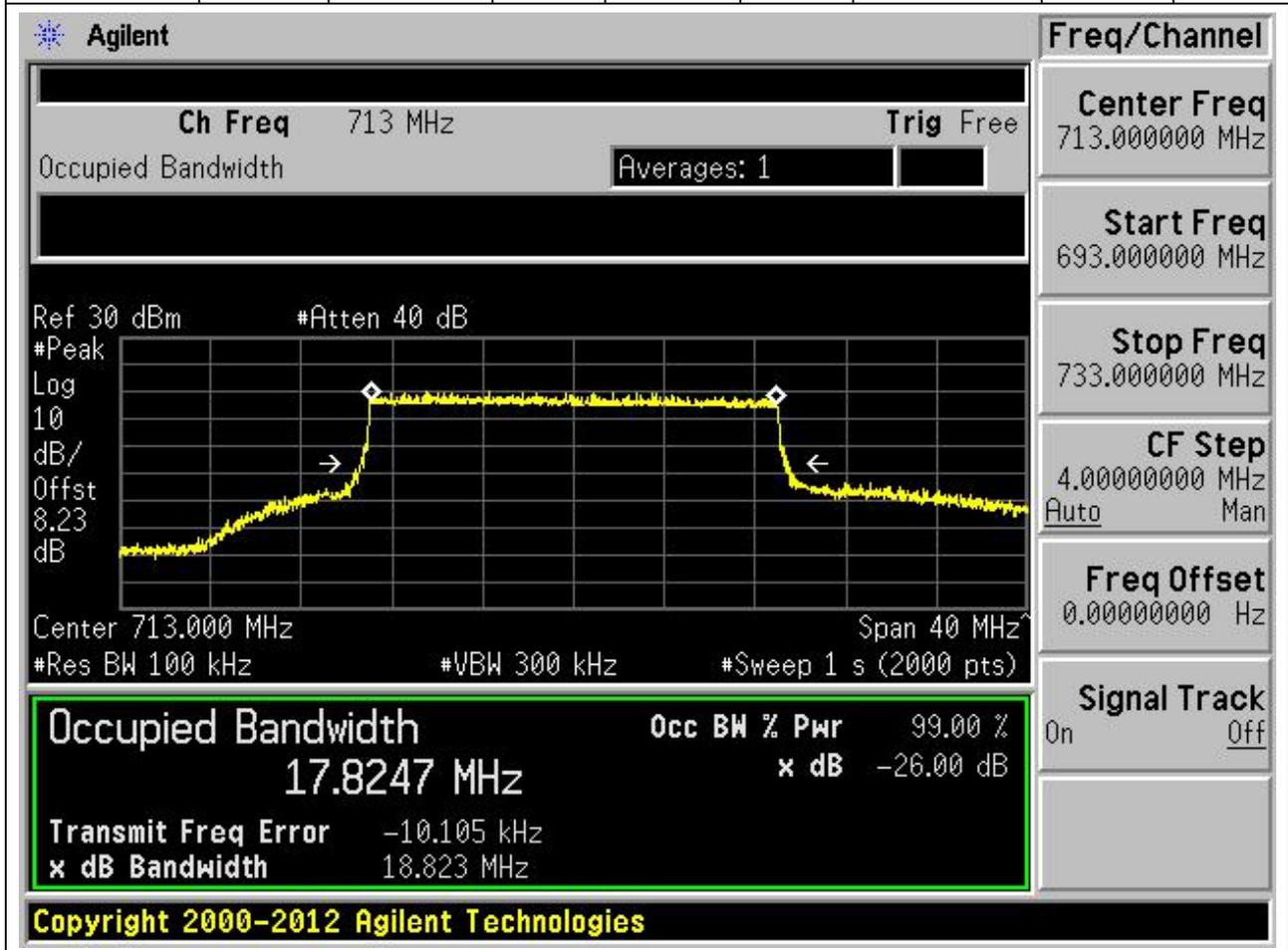
1.25. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:25, Channel:27310, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 713 | 99 | 26 | 0.1 | RMS | 17.83 | 18.92 | 20 | Pass |



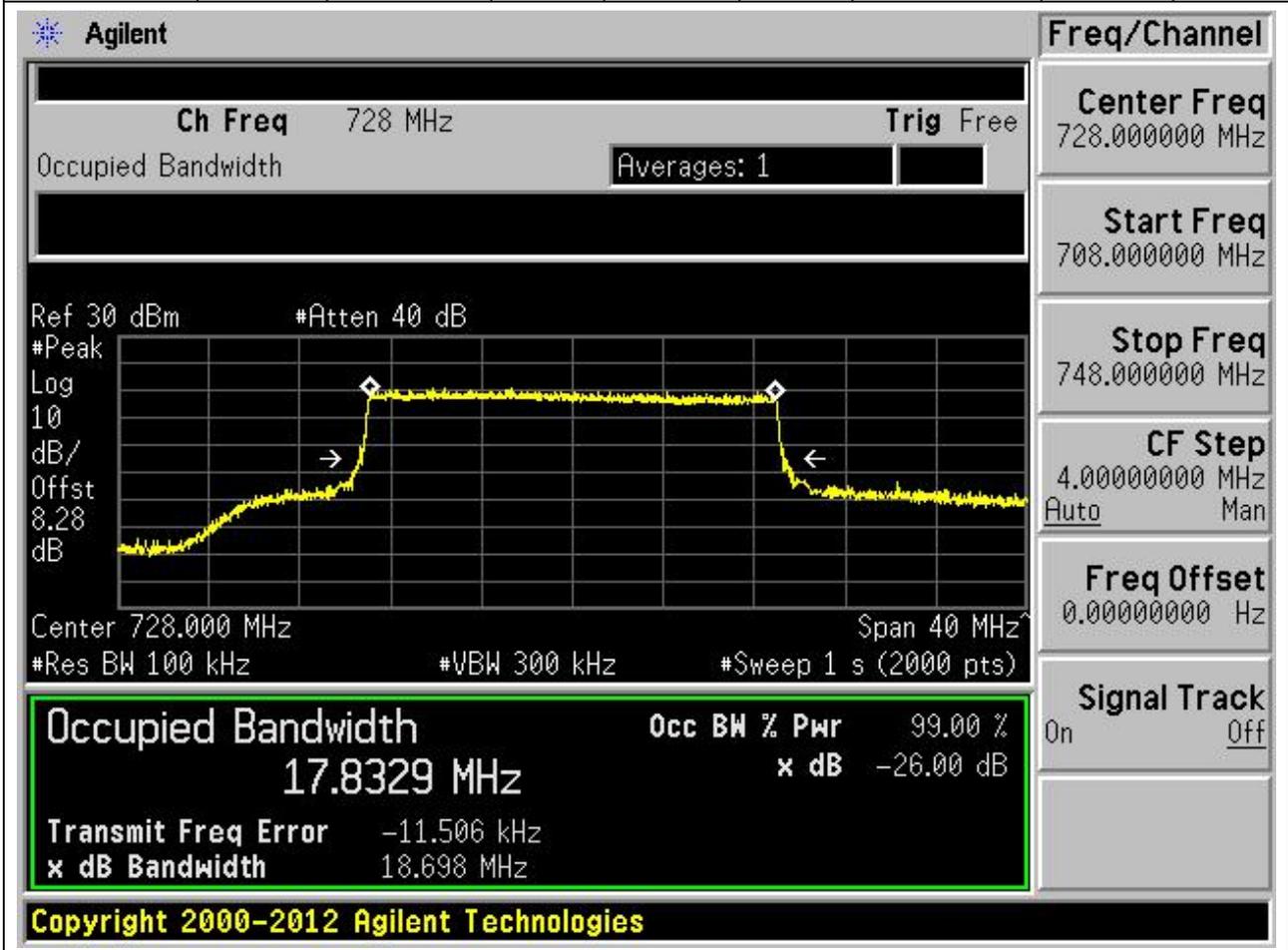
1.26. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:26, Channel:27310, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 713 | 99 | 26 | 0.1 | RMS | 17.82 | 18.82 | 20 | Pass |



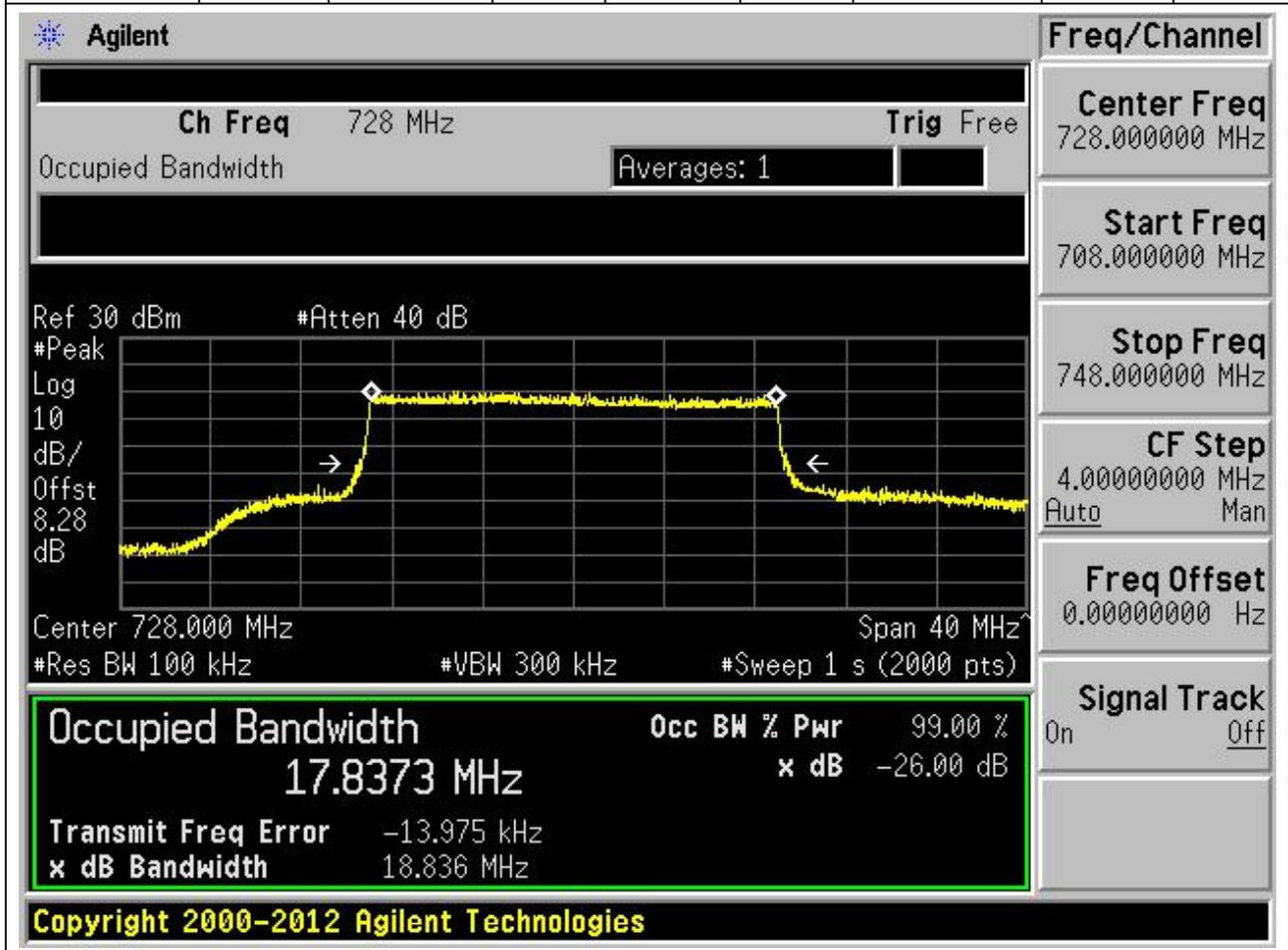
1.27. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:27, Channel:27460, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 728 | 99 | 26 | 0.1 | RMS | 17.83 | 18.7 | 20 | Pass |



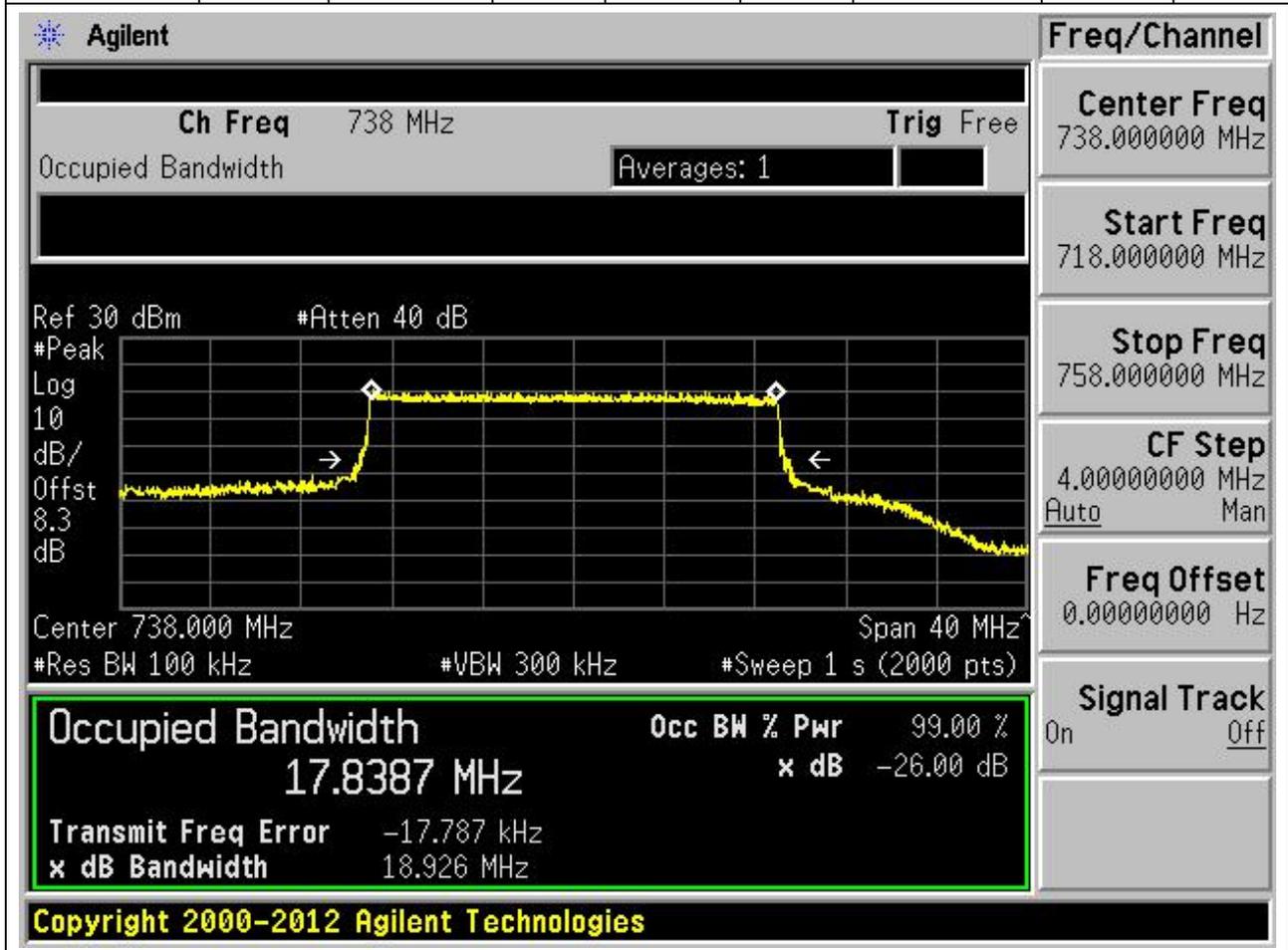
1.28. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:28, Channel:27460, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 728 | 99 | 26 | 0.1 | RMS | 17.84 | 18.84 | 20 | Pass |



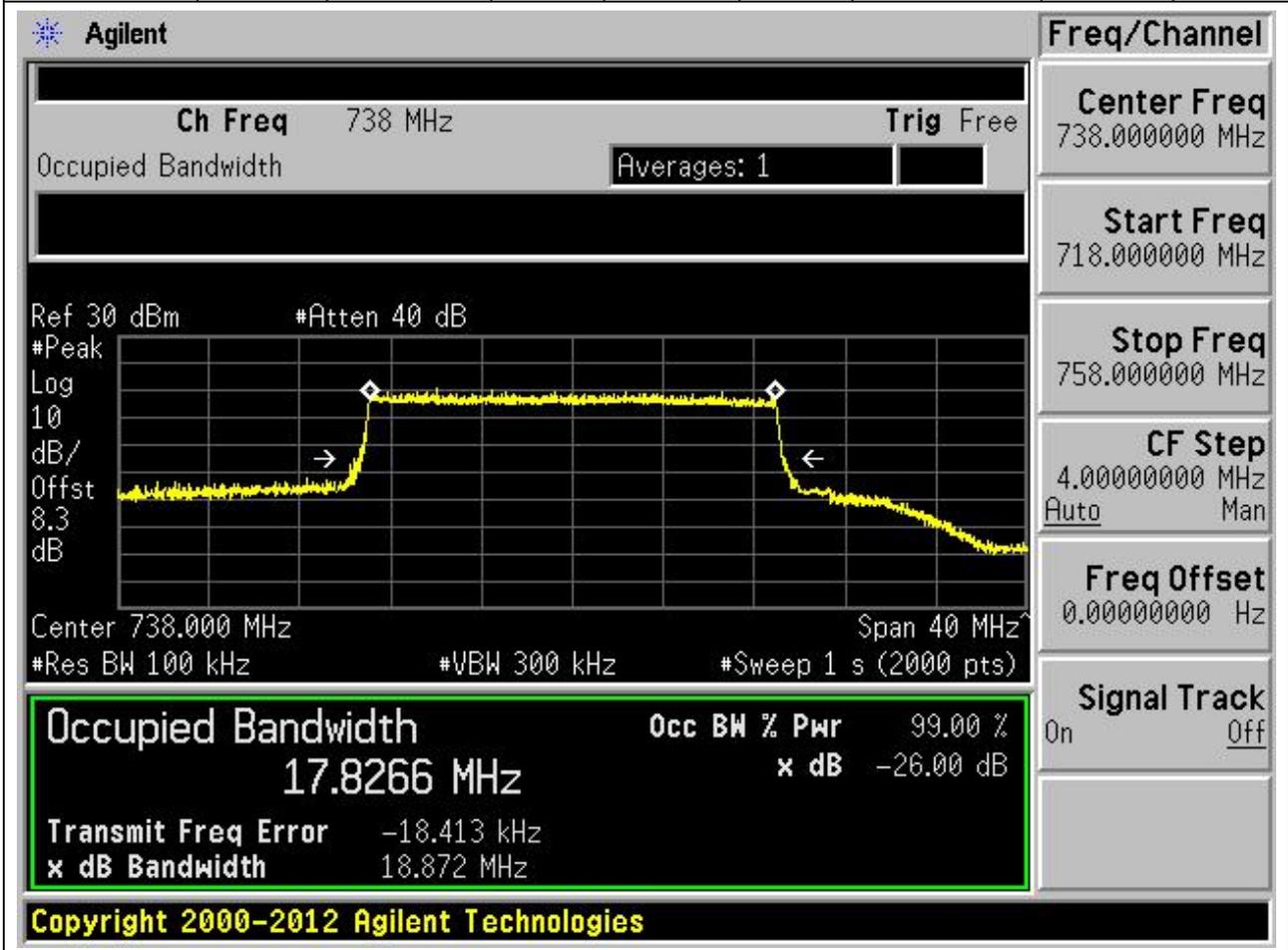
1.29. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:29, Channel:27560, Bandwidth:20, Modulation:QPSK, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 738 | 99 | 26 | 0.1 | RMS | 17.84 | 18.93 | 20 | Pass |



1.30. LTE Occupied Bandwidth(SA)(NTNV)(Subtest:30, Channel:27560, Bandwidth:20, Modulation:Q16, RB Number: 100, RB Position:LOW)

| Center Frequency (MHz) | OBW Power (%) | XdB Down(dB) | RBW (MHz) | Detector | OBW (MHz) | XdB Bandwidth (MHz) | Upper Limit (MHz) | Verdict |
|------------------------|---------------|--------------|-----------|----------|-----------|---------------------|-------------------|---------|
| 738 | 99 | 26 | 0.1 | RMS | 17.83 | 18.87 | 20 | Pass |



END