

Annex C. LTE Transmitter Spurious Emissions



1. LTE_Band7

1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|--------------|----------|--------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -53.73 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.43 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 898.99 | -59.34 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2490 | -46.46 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2500.35 | 23.98 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2670.3 | -47.35 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11899.989 | -49.04 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26452.997 | -25.78 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (\(\mathbb{w}\) -20- -30- -40- -50- -60- -70- -80- 0.009 | 2500 5000 | 7500 | 10000 12 | 500 15000 | 17500 2 | 0000 22 | 500 | 26500 |

Frequency(MHz)



1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)



1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:20775, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)



1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:20775, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)



1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|--------------|----------|-------------------------|----------------|----------------|----------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.011 | -54.76 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.71 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 903.59 | -59.32 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2435.964 | -46.98 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2532.9 | 22.54 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2688.5 | -47.36 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11900.989 | -49.04 | -25 | Pass | 9000 |
| 20- 10- 0- -10- (mgp) -30- -40- -50- -60- -70- -80- 0.009 1 | .000 2000 3 | 000 400 | | 6000 7000 uency(MHz) | 8000 9 | 0000 100 | 00 11000 | 12000 |



1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:7, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|--|----------------------------|--------------|----------|--------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.01 | -54.23 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.82 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 919.392 | -59.31 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2436.964 | -46.99 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2537.1 | 23.55 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2667.5 | -47.32 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11900.989 | -49.02 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26456.997 | -25.73 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (\text{Wgp}) -30- -40- -50- -60- -70- -80- 0.009 | 2500 5000 | 7500 | | 500 15000 | 17500 2 | 0000 22 | 2500 | 26500 |
| | | | Frequ | uency(MHz) | | | | |



1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:21100, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)

| 0.15 30 1000 2490 | 0.001 0.01 0.1 | RMS RMS | 0.01 | -54.02 | -25 | Pass | |
|----------------------------|--------------------------------|--|--|--|------|------|-------|
| 1000 | | RMS | | | | Pass | 601 |
| | 0.1 | | 0.16 | -52.23 | -25 | Pass | 2985 |
| 2490 | 0.1 | RMS | 922.492 | -59.31 | -25 | Pass | 9700 |
| _ : 5 5 | 1 | RMS | 2431.961 | -47 | -25 | Pass | 1490 |
| 2580 | 1 | RMS | 2532.9 | 21.68 | 60 | Pass | 601 |
| 3000 | 1 | RMS | 2694.1 | -47.37 | -25 | Pass | 601 |
| 12000 | 1 | RMS | 11900.989 | -49.05 | -25 | Pass | 9000 |
| 26500 | 1 | RMS | 26458.997 | -25.64 | -25 | Pass | 14500 |
| | | | | | | | 26500 |
| | 2580 3000 12000 26500 | 2580 1 3000 1 12000 1 26500 1 | 2580 1 RMS 3000 1 RMS 12000 1 RMS 26500 1 RMS | 2580 1 RMS 2532.9 3000 1 RMS 11900.989 26500 1 RMS 26458.997 | 2580 | 2580 | 2580 |

Frequency(MHz)



1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:21100, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

| Fr | Start equency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|------------|---|----------------------------|--------------|----------|--------------------|-------------|----------------|---------|----------------|
| | 0.009 | 0.15 | 0.001 | RMS | 0.013 | -54.91 | -25 | Pass | 601 |
| | 0.15 | 30 | 0.01 | RMS | 0.15 | -52.88 | -25 | Pass | 2985 |
| | 30 | 1000 | 0.1 | RMS | 893.389 | -59.11 | -25 | Pass | 9700 |
| | 1000 | 2490 | 1 | RMS | 2436.964 | -46.95 | -25 | Pass | 1490 |
| | 2490 | 2580 | 1 | RMS | 2537.1 | 22.77 | 60 | Pass | 601 |
| | 2580 | 3000 | 1 | RMS | 2668.2 | -47.35 | -25 | Pass | 601 |
| | 3000 | 12000 | 1 | RMS | 11899.989 | -49 | -25 | Pass | 9000 |
| | 12000 | 26500 | 1 | RMS | 26453.997 | -25.76 | -25 | Pass | 14500 |
| Level(dBm) | 20- 10- 0- -10- -20- -30- -40- -50- -60- -70- -80- 0.009 | 2500 5000 | 7500 | 10000 12 | 500 15000 | 17500 2 | 0000 22 | 2500 | 26500 |
| | | | | Frequ | uency(MHz) | | | | |



1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|----------------------------|---|-----------------------|--|--|----------------|-----------------|---|
| 0.15 | 0.001 | RMS | 0.01 | -54.69 | -25 | Pass | 601 |
| 30 | 0.01 | RMS | 0.15 | -51.8 | -25 | Pass | 2985 |
| 1000 | 0.1 | RMS | 908.491 | -59.15 | -25 | Pass | 9700 |
| 2490 | 1 | RMS | 2432.962 | -47 | -25 | Pass | 1490 |
| 2580 | 1 | RMS | 2565.3 | 21.61 | 60 | Pass | 601 |
| 3000 | 1 | RMS | 2668.9 | -47.39 | -25 | Pass | 601 |
| 12000 | 1 | | 11896.989 | -49.07 | -25 | Pass | 9000 |
| 26500 | 1 | RMS | 26452.997 | -25.7 | -25 | Pass | 14500 |
| 2500 5000 | 7500 | 10000 10 | | 17500 3 | 0000 33 | | 26500 |
| | Frequency (MHz) 0.15 30 1000 2490 2580 3000 12000 26500 | Frequency (MHz) 0.15 | Frequency (MHz) RBW (MHz) Detector 0.15 0.001 RMS 30 0.01 RMS 1000 0.1 RMS 2490 1 RMS 2580 1 RMS 12000 1 RMS 26500 1 RMS | Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) 0.15 0.001 RMS 0.01 30 0.01 RMS 0.15 1000 0.1 RMS 908.491 2490 1 RMS 2432.962 2580 1 RMS 2668.9 12000 1 RMS 11896.989 26500 1 RMS 26452.997 | RBW (MHz) | Frequency (MHz) | Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm) Verdict 0.15 0.001 RMS 0.01 -54.69 -25 Pass 30 0.01 RMS 0.15 -51.8 -25 Pass 1000 0.1 RMS 908.491 -59.15 -25 Pass 2490 1 RMS 2432.962 -47 -25 Pass 2580 1 RMS 2565.3 21.61 60 Pass 3000 1 RMS 2668.9 -47.39 -25 Pass 12000 1 RMS 11896.989 -49.07 -25 Pass 26500 1 RMS 26452.997 -25.7 -25 Pass |

Frequency(MHz)



1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:21425, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| Fr | Start requency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|------------|---|----------------------------|--------------|----------|--------------------|-------------|----------------|---------|----------------|
| | 0.009 | 0.15 | 0.001 | RMS | 0.009 | -54.19 | -25 | Pass | 601 |
| | 0.15 | 30 | 0.01 | RMS | 0.15 | -52.61 | -25 | Pass | 2985 |
| | 30 | 1000 | 0.1 | RMS | 884.888 | -59.25 | -25 | Pass | 9700 |
| | 1000 | 2490 | 1 | RMS | 2430.96 | -47 | -25 | Pass | 1490 |
| | 2490 | 2580 | 1 | RMS | 2569.65 | 22.09 | 60 | Pass | 601 |
| | 2580 | 3000 | 1 | RMS | 2694.1 | -47.39 | -25 | Pass | 601 |
| | 3000 | 12000 | 1 | RMS | 11899.989 | -48.98 | -25 | Pass | 9000 |
| | 12000 | 26500 | 1 | RMS | 26457.997 | -25.7 | -25 | Pass | 14500 |
| Level(dBm) | 20- 10- 0- -10- -20- -30- -40- -50- -60- -70- -80- 0.009 | 2500 5000 | 7500 | 10000 12 | 500 15000 | 17500 2 | 0000 22 | 2500 | 26500 |
| | | | | Frequ | uency(MHz) | | | | |



1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:21425, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|--|----------------------------|--------------|----------|-------------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.01 | -54.22 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.51 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 909.691 | -59.16 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2429.96 | -47.03 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2565.3 | 20.71 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2692 | -47.41 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11899.989 | -48.97 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26459.997 | -25.77 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (\text{\$\ext{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exittitt{\$\text{\$\exititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\ | | | | | | | | |
| 0.009 | 2500 5000 | 7500 | | 500 15000 uency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:21425, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|--|----------------------------|--------------|----------|-------------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -54.08 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.18 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 934.193 | -59.22 | -25 | Pass | 9700 |
| 1000 | | 1 | RMS | 2435.964 | -47 | -25 | Pass | 1490 |
| 2490 | | 1 | RMS | 2569.65 | 21.47 | 60 | Pass | 601 |
| 2580 | | 1 | RMS | 2670.3 | -47.37 | -25 | Pass | 601 |
| 3000 | | 1 | RMS | 11899.989 | -49 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26452.997 | -25.71 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (\(\begin{array}{c} \text{BP} \\ \text{P} \\ \text | | | | | | | | |
| 0.009 | 2500 5000 | 7500 | | 500 15000 uency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|--------------|----------|-------------------------|----------------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -54.22 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.16 | -53.22 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 891.689 | -59.26 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2482.995 | -39.39 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2500.65 | 23.43 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2666.1 | -47.32 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11899.989 | -49.02 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26450.997 | -25.68 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (mg/g) -20- -30- -40- -50- -60- -70- -80- | | | | | "Made and the second | | | |
| | 2500 5000 | 7500 | | 500 15000 uency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)



1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:20800, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|--------------|----------|-------------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.01 | -54.1 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.71 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 898.19 | -59.06 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2482.995 | -39.69 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2500.65 | 22.68 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2692.7 | -47.34 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11898.989 | -48.93 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26451.997 | -25.73 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (mgp) -30- -40- -50- -60- -70- -80- 0.009 | 2500 5000 | 7500 | 10000 12 | 500 15000 | 17500 2 | 0000 22 | 2500 | 26500 |
| 0.009 | 2300 3000 | 7500 | | 300 13000 Jency(MHz) | 1/300 2 | 0000 22 | 500 | 20000 |



1.16. LTE Transmitter Spurious Emissions(NTNV)(Subtest:17, Channel:20800, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

| 0.009 | (MHz) | (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|-----------|-------|----------|--------------------|----------------|----------------|---------|----------------|
| 0 1 - | 0.15 | 0.001 | RMS | 0.009 | -53.96 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.17 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 935.393 | -59.15 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2490 | -46.77 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2509.35 | 22.49 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2668.2 | -47.33 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11896.989 | -49.05 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26450.997 | -25.73 | -25 | Pass | 14500 |
| 20- 10- 0- -10- -20- -30- -40- -50- -60- -70- -80- 0.009 | 2500 5000 | 7500 | 10000 12 | 500 15000 | 17500 2 | 0000 22 | 2500 | 26500 |



1.17. LTE Transmitter Spurious Emissions(NTNV)(Subtest:18, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|---------------------------------------|----------|-------------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -52.91 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.53 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 897.889 | -59.26 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2487.999 | -46.99 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2530.65 | 21.34 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2671.7 | -47.36 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11899.989 | -49.02 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26450.997 | -25.7 | -25 | Pass | 14500 |
| 20 - 10 - 0 - -10 - (Mg) -20 - -30 - -40 - -50 - -70 - -80 - | | · · · · · · · · · · · · · · · · · · · | | | mu. | | | |
| 0.009 | 2500 5000 | 7500 | | 500 15000 uency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



1.18. LTE Transmitter Spurious Emissions(NTNV)(Subtest:19, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| 0.15 30 1000 2580 3000 12000 26500 | 0.001 0.01 0.1 1 1 1 | RMS RMS RMS RMS RMS RMS RMS RMS | 0.01 0.15 902.49 2539.35 2668.2 11899.989 26447.996 | -53.85 -52.45 -59.26 23.4 -47.33 -49.05 -25.75 | -25 -25 -25 60 -25 -25 -25 | Pass Pass Pass Pass Pass Pass Pass | 601 2985 9700 601 601 9000 14500 |
|--|-------------------------------------|---------------------------------|---|--|--|--|--|
| 1000 2580 3000 12000 | 0.1 1 1 | RMS RMS RMS RMS | 902.49 2539.35 2668.2 11899.989 | -59.26 23.4 -47.33 -49.05 | -25 60 -25 -25 | Pass Pass Pass Pass | 9700 601 601 9000 |
| 2580 3000 12000 | 1 1 1 | RMS RMS RMS | 2539.35 2668.2 11899.989 | 23.4 -47.33 -49.05 | 60 -25 -25 | Pass Pass Pass | 601 601 9000 |
| 3000 12000 | 1 | RMS RMS | 2668.2 11899.989 | -47.33 -49.05 | -25 -25 | Pass Pass | 601 9000 |
| 12000 | 1 | RMS | 11899.989 | -49.05 | -25 | Pass | 9000 |
| | | | | | | | |
| 26500 | 1 | RMS | 26447.996 | -25.75 | -25 | Pass | 14500 |
| | | | | | | | |
| | | 10000 12 | | 17500 2 | 0000 22 | 2500 | 26500 |
| _ | • | 0 5000 7500 | 0 5000 7500 10000 12 | 0 5000 7500 10000 12500 15000 | 0 5000 7500 10000 12500 15000 17500 2 | 0 5000 7500 10000 12500 15000 17500 20000 22 | |



1.19. LTE Transmitter Spurious Emissions(NTNV)(Subtest:22, Channel:21100, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)

| | Start equency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|------------|--|----------------------------|--------------|----------|--------------------|-------------|----------------|---------|----------------|
| | 0.009 | 0.15 | 0.001 | RMS | 0.009 | -54.45 | -25 | Pass | 601 |
| | 0.15 | 30 | 0.01 | RMS | 0.15 | -51.89 | -25 | Pass | 2985 |
| | 30 | 1000 | 0.1 | RMS | 913.591 | -59.28 | -25 | Pass | 9700 |
| | 1000 | 2490 | 1 | RMS | 2428.959 | -46.97 | -25 | Pass | 1490 |
| | 2490 | 2580 | 1 | RMS | 2530.65 | 20.39 | 60 | Pass | 601 |
| | 2580 | 3000 | 1 | RMS | 2668.9 | -47.39 | -25 | Pass | 601 |
| | 3000 | 12000 | 1 | RMS | 11898.989 | -49.03 | -25 | Pass | 9000 |
| | 12000 | 26500 | 1 | RMS | 26453.997 | -25.8 | -25 | Pass | 14500 |
| Level(dBm) | 20 - 10 - 0 - -10 - -20 - -30 - -40 - -50 - -60 - -70 - -80 - 0.009 | 2500 5000 | 7500 | 10000 12 | 500 15000 | 17500 2 | 0000 22 | 500 | 26500 |
| | | | | | uency(MHz) | | | | |



1.20. LTE Transmitter Spurious Emissions(NTNV)(Subtest:23, Channel:21100, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

| 0.15 30 1000 2490 2580 3000 12000 26500 | 0.001 0.01 0.1 1 1 1 | RMS RMS RMS RMS RMS RMS | 0.011 0.16 902.29 2428.959 2539.35 | -53.57 -52.69 -59.09 -46.97 22.43 | -25 -25 -25 -25 | Pass Pass Pass | 601 2985 9700 |
|--|-------------------------------------|-------------------------|--|---|--|---|---------------------|
| 1000 2490 2580 3000 12000 | 0.1 1 1 1 | RMS RMS RMS | 902.29 2428.959 | -59.09 -46.97 | -25 | Pass | |
| 2490 2580 3000 12000 | 1 1 | RMS RMS | 2428.959 | -46.97 | | | 9700 |
| 2580 3000 12000 | 1 | RMS | | | -25 | _ | |
| 3000 12000 | 1 | | 2539.35 | 22.42 | | Pass | 1490 |
| 12000 | | RMS | | 22.43 | 60 | Pass | 601 |
| | 1 | | 2690.6 | -47.33 | -25 | Pass | 601 |
| 26500 | | RMS | 11896.989 | -49.08 | -25 | Pass | 9000 |
| | 1 | RMS | 26452.997 | -25.77 | -25 | Pass | 14500 |
| | 7500 | | | 17500 2 | 0000 22 | 500 | 26500 |
| | 00 5000 | | 00 5000 7500 10000 12 | 00 5000 7500 10000 12500 15000 | 00 5000 7500 10000 12500 15000 17500 2 | 00 5000 7500 10000 12500 15000 17500 20000 22 | |



-60

-70-

-80-

0.009

5000

2500

7500

1.21. LTE Transmitter Spurious Emissions(NTNV)(Subtest:24, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| 0.009 0.15 0.001 RMS 0.009 -54.19 -25 Pass 0.15 30 0.01 RMS 0.15 -52.18 -25 Pass 30 1000 0.1 RMS 896.889 -59.22 -25 Pass 1000 2490 1 RMS 2427.958 -47.01 -25 Pass 2490 2580 1 RMS 2560.65 19.76 60 Pass 2580 3000 1 RMS 2667.5 -47.38 -25 Pass 3000 12000 1 RMS 11895.988 -49.09 -25 Pass 12000 26500 1 RMS 26452.997 -25.63 -25 Pass 1 | Start requency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|----------------------------|--------------|----------|--------------------|----------------|----------------|---------|----------------|
| 30 | 0.009 | 0.15 | 0.001 | RMS | 0.009 | -54.19 | -25 | Pass | 601 |
| 1000 2490 1 RMS 2427.958 -47.01 -25 Pass 2490 2580 1 RMS 2560.65 19.76 60 Pass 2580 3000 1 RMS 2667.5 -47.38 -25 Pass 3000 12000 1 RMS 11895.988 -49.09 -25 Pass 12000 26500 1 RMS 26452.997 -25.63 -25 Pass 1 | 0.15 | 30 | 0.01 | RMS | 0.15 | -52.18 | -25 | Pass | 298 |
| 2490 2580 1 RMS 2560.65 19.76 60 Pass 2580 3000 1 RMS 2667.5 -47.38 -25 Pass 3000 12000 1 RMS 11895.988 -49.09 -25 Pass 12000 26500 1 RMS 26452.997 -25.63 -25 Pass 1 | 30 | 1000 | 0.1 | RMS | 896.889 | -59.22 | -25 | Pass | 970 |
| 2580 3000 1 RMS 2667.5 -47.38 -25 Pass 3000 12000 1 RMS 11895.988 -49.09 -25 Pass 12000 26500 1 RMS 26452.997 -25.63 -25 Pass 1 | 1000 | 2490 | 1 | RMS | 2427.958 | -47.01 | -25 | Pass | 1490 |
| 3000 12000 1 RMS 11895.988 -49.09 -25 Pass 12000 26500 1 RMS 26452.997 -25.63 -25 Pass 1 25- 10- 0- | 2490 | 2580 | 1 | RMS | 2560.65 | 19.76 | 60 | Pass | 601 |
| 12000 26500 1 RMS 26452.997 -25.63 -25 Pass 1 | 2580 | 3000 | 1 | RMS | 2667.5 | -47.38 | -25 | Pass | 60 |
| 25- 10- 0- | 3000 | 12000 | 1 | RMS | 11895.988 | -49.09 | -25 | Pass | 9000 |
| 10- | 12000 | 26500 | 1 | RMS | 26452.997 | -25.63 | -25 | Pass | 14500 |
| -20- -30- -40- | 0- -10- -20- -30- | | | | | **Null | | | |

10000 12500 15000 17500 20000 22500

Frequency(MHz)

26500



1.22. LTE Transmitter Spurious Emissions(NTNV)(Subtest:25, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|--|---|--------------|----------|-------------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -54.24 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.4 | -25 | Pass | 2985 |
| 30 | _ | 0.1 | RMS | 905.39 | -59.17 | -25 | Pass | 9700 |
| 1000 | | 1 | RMS | 2488.999 | -46.98 | -25 | Pass | 1490 |
| 2490 | | 1 | RMS | 2569.35 | 21.77 | 60 | Pass | 601 |
| 2580 | | 1 | RMS | 2587 | -45.32 | -25 | Pass | 601 |
| 3000 | | 1 | RMS | 11898.989 | -49.1 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26456.997 | -25.75 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (Egg) -20- -30- -40- -50- -70- -80- | *************************************** | | | | ** | | | |
| 0.009 | 2500 5000 | 7500 | | 500 15000 Jency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



1.23. LTE Transmitter Spurious Emissions(NTNV)(Subtest:26, Channel:21400, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------------|----------------------------|--------------|----------|--------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.01 | -54.39 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.51 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 900.79 | -59.24 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2435.964 | -47 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2560.65 | 18.93 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2689.2 | -47.42 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11899.989 | -49.07 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26442.996 | -25.74 | -25 | Pass | 14500 |
| 25- 10- 0- -10- | | | | | | | | |



1.24. LTE Transmitter Spurious Emissions(NTNV)(Subtest:27, Channel:21400, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

| 0.15 30 1000 | 0.001 | RMS | 0.009 | -54.29 | | | |
|--------------------|-------|-----|-----------|--------|-----|------|-------|
| 1000 | 0.01 | | | -54.29 | -25 | Pass | 601 |
| | | RMS | 0.15 | -52.75 | -25 | Pass | 2985 |
| 0.400 | 0.1 | RMS | 994.599 | -59.27 | -25 | Pass | 9700 |
| 2490 | 1 | RMS | 2435.964 | -46.99 | -25 | Pass | 1490 |
| 2580 | 1 | RMS | 2569.35 | 21.01 | 60 | Pass | 601 |
| 3000 | 1 | RMS | 2587 | -45.16 | -25 | Pass | 601 |
| 12000 | 1 | RMS | 11898.989 | -49.02 | -25 | Pass | 9000 |
| 26500 | 1 | RMS | 26447.996 | -25.74 | -25 | Pass | 14500 |
| | | | | Way. | | | |
| | | | | | | | |



1.25. LTE Transmitter Spurious Emissions(NTNV)(Subtest:28, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|----------------------------|---|-----------------------|--------------------|--|---|-----------|--|
| 0.15 | 0.001 | RMS | 0.01 | -54.56 | -25 | Pass | 601 |
| 30 | 0.01 | RMS | 0.15 | -53.03 | -25 | Pass | 2985 |
| 1000 | 0.1 | RMS | 897.489 | -59.23 | -25 | Pass | 9700 |
| 2490 | 1 | RMS | 2487.999 | -38.44 | -25 | Pass | 1490 |
| 2580 | 1 | RMS | 2500.8 | 23.58 | 60 | Pass | 601 |
| 3000 | 1 | RMS | 2691.3 | -47.31 | -25 | Pass | 601 |
| 12000 | 1 | RMS | 11898.989 | -49.02 | -25 | Pass | 9000 |
| 26500 | 1 | RMS | 26450.997 | -25.75 | -25 | Pass | 14500 |
| 2500 5000 | 7500 | | | 17500 2 | 20000 22 | 2500 | 26500 |
| | Frequency (MHz) 0.15 30 1000 2490 2580 3000 12000 26500 | Frequency (MHz) 0.15 | Frequency (MHz) | Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) 0.15 0.001 RMS 0.01 30 0.01 RMS 0.15 1000 0.1 RMS 897.489 2490 1 RMS 2487.999 2580 1 RMS 2500.8 3000 1 RMS 2691.3 12000 1 RMS 11898.989 26500 1 RMS 26450.997 | Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) 0.15 0.001 RMS 0.01 -54.56 30 0.01 RMS 0.15 -53.03 1000 0.1 RMS 897.489 -59.23 2490 1 RMS 2487.999 -38.44 2580 1 RMS 2500.8 23.58 3000 1 RMS 2691.3 -47.31 12000 1 RMS 11898.989 -49.02 26500 1 RMS 26450.997 -25.75 | RBW (MHz) | Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm) Verdict 0.15 0.001 RMS 0.01 -54.56 -25 Pass 30 0.01 RMS 0.15 -53.03 -25 Pass 1000 0.1 RMS 897.489 -59.23 -25 Pass 2490 1 RMS 2487.999 -38.44 -25 Pass 2580 1 RMS 2500.8 23.58 60 Pass 3000 1 RMS 2691.3 -47.31 -25 Pass 12000 1 RMS 26450.997 -25.75 -25 Pass 26500 1 RMS 26450.997 -25.75 -25 Pass |



1.26. LTE Transmitter Spurious Emissions(NTNV)(Subtest:29, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|--------------|----------|-------------------------|--|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.01 | -54 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -53.02 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 921.292 | -59.31 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2487.999 | -31.41 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2514.15 | 22.2 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2669.6 | -47.33 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11899.989 | -49.04 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26449.997 | -25.76 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (Emgp) -30- -40- -50- -60- -70- -80- | | | | | way to the control of | | | |
| | 2500 5000 | 7500 | | 500 15000 Jency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



1.27. LTE Transmitter Spurious Emissions(NTNV)(Subtest:30, Channel:20825, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:LOW)

| 0.15 30 0.01 RMS 0.15 -52.33 -25 30 1000 0.1 RMS 911.291 -59.27 -25 1000 2490 1 RMS 2487.999 -39.8 -25 2490 2580 1 RMS 2500.8 22.77 60 2580 3000 1 RMS 2692.7 -47.32 -25 3000 12000 1 RMS 11899.989 -49.07 -25 12000 26500 1 RMS 26455.997 -25.73 -25 | Fi | Start requency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|------------|---|----------------------------|--------------|----------|--------------------|-------------|----------------|---------|----------------|
| 30 | | 0.009 | 0.15 | 0.001 | RMS | 0.009 | -53.72 | -25 | Pass | 601 |
| 1000 2490 1 RMS 2487.999 -39.8 -25 2490 2580 1 RMS 2500.8 22.77 60 2580 3000 1 RMS 2692.7 -47.32 -25 3000 12000 1 RMS 11899.989 -49.07 -25 12000 26500 1 RMS 26455.997 -25.73 -25 30 | | 0.15 | 30 | 0.01 | RMS | 0.15 | -52.33 | -25 | Pass | 2985 |
| 2490 | | 30 | 1000 | 0.1 | RMS | 911.291 | -59.27 | -25 | Pass | 9700 |
| 2580 3000 1 RMS 2692.7 -47.32 -25 3000 12000 1 RMS 11899.989 -49.07 -25 12000 26500 1 RMS 26455.997 -25.73 -25 30- 20- 10- 010506070- | | 1000 | 2490 | 1 | RMS | 2487.999 | -39.8 | -25 | Pass | 1490 |
| 3000 12000 1 RMS 11899.989 -49.07 -25 12000 26500 1 RMS 26455.997 -25.73 -25 30 20 -10 -0 -10 -50 -60 -70 | | 2490 | 2580 | 1 | | 2500.8 | 22.77 | 60 | Pass | 601 |
| 12000 26500 1 RMS 26455.997 -25.73 -25 | | | | 1 | | | | -25 | Pass | 601 |
| 30- 20- 10- 0- -10- -20- -30- -40- -50- -60- -70- | | | | | | | | -25 | Pass | 9000 |
| 20- 10- 0- -10- -10- -20- -30- -40- -50- -60- -70- | | | 26500 | 1 | RMS | 26455.997 | -25.73 | -25 | Pass | 14500 |
| | Level(dBm) | 10- 0- -10- -20- -30- -40- -50- -60- -70- -80- | | 7500 | | | 17500 2 | 0000 22 | 2500 | 26500 |



1.28. LTE Transmitter Spurious Emissions(NTNV)(Subtest:31, Channel:20825, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

| Fr | Start equency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|------------|---|----------------------------|--------------|----------|--------------------|-------------|----------------|---------|----------------|
| | 0.009 | 0.15 | 0.001 | RMS | 0.009 | -53.87 | -25 | Pass | 601 |
| | 0.15 | 30 | 0.01 | RMS | 0.15 | -52.35 | -25 | Pass | 2985 |
| | 30 | 1000 | 0.1 | RMS | 866.286 | -59.39 | -25 | Pass | 9700 |
| | 1000 | 2490 | 1 | RMS | 2486.998 | -30.96 | -25 | Pass | 1490 |
| | 2490 | 2580 | 1 | RMS | 2514.15 | 21.54 | 60 | Pass | 601 |
| | 2580 | 3000 | 1 | RMS | 2691.3 | -47.35 | -25 | Pass | 601 |
| | 3000 | 12000 | 1 | RMS | 11898.989 | -48.98 | -25 | Pass | 9000 |
| | 12000 | 26500 | 1 | RMS | 26455.997 | -25.74 | -25 | Pass | 14500 |
| Level(dBm) | 20- 10- 0- -10- -20- -30- -40- -50- -60- -70- -80- 0.009 | 2500 5000 | 7500 | | 500 15000 | 17500 2 | 0000 22 | 2500 | 26500 |
| | | | | Frequ | uency(MHz) | | | | |



1.29. LTE Transmitter Spurious Emissions(NTNV)(Subtest:32, Channel:21100, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| / F | Stop requency (MHz) | RBW (MHz) | Detector | Frequen (MHz) | - | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|------|--|---|----------------|---|-----------------------------|-----------------------------|-----------------------------|---|---|
|)9 | 0.15 | 0.001 | RMS | 0.0 | 009 | -54.86 | -25 | Pass | 601 |
| 15 | 30 | 0.01 | RMS | C |).15 | -52.61 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 904 | 1.19 | -59.33 | -25 | Pass | 9700 |
| 00 | 2490 | 1 | RMS | 2431. | 961 | -46.98 | -25 | Pass | 1490 |
| 90 | 2580 | 1 | RMS | 252 | 28.4 | 20.92 | 60 | Pass | 601 |
| 30 | 3000 | 1 | RMS | 266 | 6.1 | -47.37 | -25 | Pass | 601 |
| 00 | 12000 | 1 | RMS | 11900. | 989 | -49.05 | -25 | Pass | 9000 |
| 00 | 26500 | 1 | RMS | 26451. | 997 | -25.78 | -25 | Pass | 14500 |
| 2500 | 0 5000 | 7500 | | | | 17500 2 | 0000 22 | 2500 | 26500 |
| | 09 15 30 00 90 80 00 00 | (MHz) 09 0.15 15 30 30 1000 00 2490 90 2580 80 3000 00 12000 00 26500 | (MHz) (MHz) 09 | (MHz) | (MHz) (MHz) (MHz) (MHz) 09 | (MHz) (MHz) (MHz) (MHz) 09 | (MHz) (MHz) (MHz) (dBm) 09 | (MHz) (MHz) (MHz) (MHz) (dBm) (dBm) 09 0.15 0.001 RMS 0.009 -54.86 -25 15 30 0.01 RMS 0.15 -52.61 -25 30 1000 0.1 RMS 904.19 -59.33 -25 00 2490 1 RMS 2431.961 -46.98 -25 90 2580 1 RMS 2528.4 20.92 60 80 3000 1 RMS 2666.1 -47.37 -25 00 12000 1 RMS 11900.989 -49.05 -25 00 26500 1 RMS 26451.997 -25.78 -25 | (MHz) (MHz) (MHz) (dBm) (dBm) 09 0.15 0.001 RMS 0.009 -54.86 -25 Pass 15 30 0.01 RMS 0.15 -52.61 -25 Pass 30 1000 0.1 RMS 904.19 -59.33 -25 Pass 00 2490 1 RMS 2431.961 -46.98 -25 Pass 90 2580 1 RMS 2528.4 20.92 60 Pass 80 3000 1 RMS 2666.1 -47.37 -25 Pass 00 12000 1 RMS 11900.989 -49.05 -25 Pass 00 26500 1 RMS 26451.997 -25.78 -25 Pass |



1.30. LTE Transmitter Spurious Emissions(NTNV)(Subtest:33, Channel:21100, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|--------------|----------|-------------------------|----------------|----------------|----------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -54.12 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.83 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 889.589 | -59.2 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2431.961 | -46.87 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2541.6 | 23.4 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2692 | -47.33 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11901.989 | -49.03 | -25 | Pass | 9000 |
| 20- 10- 0- -10- (mgp) -30- -30- -40- -50- -60- -70- -80- 0.009 1 | 000 2000 30 | 000 400 | | 6000 7000 Jency(MHz) | 8000 9 | 0000 100 | 00 11000 | 0 12000 |



1.31. LTE Transmitter Spurious Emissions(NTNV)(Subtest:35, Channel:21100, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:LOW)

| 0.15 30 1000 2490 2580 3000 12000 26500 | 0.001 0.01 0.1 1 1 1 | RMS RMS RMS RMS RMS RMS | 0.009 0.15 914.291 2429.96 2528.4 | -53.9 -52.22 -59.23 -47.03 20.06 | -25 -25 -25 -25 | Pass Pass Pass | 601 2985 9700 |
|--|-------------------------------------|-------------------------|---|--|--|---|---------------------|
| 1000 2490 2580 3000 12000 | 0.1 1 1 | RMS RMS RMS | 914.291 2429.96 2528.4 | -59.23 -47.03 | -25 | Pass | |
| 2490 2580 3000 12000 | 1 1 1 | RMS RMS | 2429.96 2528.4 | -47.03 | | | 9700 |
| 2580 3000 12000 | 1 | RMS | 2528.4 | | -25 | | 0.00 |
| 3000 12000 | 1 | | | 20.06 | | Pass | 1490 |
| 12000 | | RMS | | 20.00 | 60 | Pass | 601 |
| | 1 | | 2666.8 | -47.34 | -25 | Pass | 601 |
| 26500 | | RMS | 11897.989 | -49.07 | -25 | Pass | 9000 |
| 1 | 1 | RMS | 26452.997 | -25.71 | -25 | Pass | 14500 |
| | 7500 | | | 17500 2 | 0000 22 | 500 | 26500 |
| | 00 5000 | | 00 5000 7500 10000 12 | 00 5000 7500 10000 12500 15000 | 00 5000 7500 10000 12500 15000 17500 2 | 00 5000 7500 10000 12500 15000 17500 20000 22 | |



1.32. LTE Transmitter Spurious Emissions(NTNV)(Subtest:36, Channel:21100, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

| Fr | Start equency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|------------|---|----------------------------|--------------|----------|--------------------|-------------|----------------|---------|----------------|
| | 0.009 | 0.15 | 0.001 | RMS | 0.009 | -53.89 | -25 | Pass | 601 |
| | 0.15 | 30 | 0.01 | RMS | 0.15 | -52.21 | -25 | Pass | 2985 |
| | 30 | 1000 | 0.1 | RMS | 890.089 | -59.3 | -25 | Pass | 9700 |
| | 1000 | 2490 | 1 | RMS | 2434.963 | -46.97 | -25 | Pass | 1490 |
| | 2490 | 2580 | 1 | RMS | 2541.6 | 22.59 | 60 | Pass | 601 |
| | 2580 | 3000 | 1 | RMS | 2673.1 | -47.37 | -25 | Pass | 601 |
| | 3000 | 12000 | 1 | RMS | 11898.989 | -49.02 | -25 | Pass | 9000 |
| | 12000 | 26500 | 1 | RMS | 26459.997 | -25.75 | -25 | Pass | 14500 |
| Level(dBm) | 20- 10- 0- -10- -20- -30- -40- -50- -60- -70- -80- 0.009 | 2500 5000 | 7500 | | 500 15000 | 17500 2 | 0000 22 | .500 | 26500 |
| | | | | Frequ | uency(MHz) | | | | |



1.33. LTE Transmitter Spurious Emissions(NTNV)(Subtest:37, Channel:21375, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)



1.34. LTE Transmitter Spurious Emissions(NTNV)(Subtest:38, Channel:21375, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|--|----------------------------|--------------|----------|-------------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.01 | -53.93 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.46 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 902.69 | -59.22 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2430.96 | -46.99 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2569.2 | 21.94 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2582.8 | -45.12 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11898.989 | -49.02 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26451.997 | -25.73 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (Mg)-20- -30- -40- -50- -60- -70- -80- | | | | | "Madden | | | |
| | 2500 5000 | 7500 | | 500 15000 Jency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



-60

-70-

-80-

0.009

5000

2500

7500

1.35. LTE Transmitter Spurious Emissions(NTNV)(Subtest:39, Channel:21375, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|--|----------------------------|--------------|----------|--------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -53.99 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.24 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 911.591 | -59.13 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2431.961 | -47.01 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2555.85 | 19.42 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2582.8 | -28.87 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11899.989 | -49.07 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26455.997 | -25.72 | -25 | Pass | 14500 |
| 25- 10- 0- -10- (\(\text{\text{\$MBD}}\)) -30- -40- -50- | | | | Prison Marine | | | | ~ |

10000 12500 15000 17500 20000 22500

Frequency(MHz)

26500



1.36. LTE Transmitter Spurious Emissions(NTNV)(Subtest:40, Channel:21375, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

| | Start equency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|------------|---|----------------------------|--------------|----------|--------------------|-------------|----------------|---------|----------------|
| | 0.009 | 0.15 | 0.001 | RMS | 0.009 | -53.92 | -25 | Pass | 601 |
| | 0.15 | 30 | 0.01 | RMS | 0.15 | -52.57 | -25 | Pass | 2985 |
| | 30 | 1000 | 0.1 | RMS | 893.589 | -59.16 | -25 | Pass | 9700 |
| | 1000 | 2490 | 1 | RMS | 2428.959 | -46.99 | -25 | Pass | 1490 |
| | 2490 | 2580 | 1 | RMS | 2569.2 | 21.17 | 60 | Pass | 601 |
| | 2580 | 3000 | 1 | RMS | 2582.8 | -45.39 | -25 | Pass | 601 |
| | 3000 | 12000 | 1 | RMS | 11899.989 | -48.97 | -25 | Pass | 9000 |
| | 12000 | 26500 | 1 | RMS | 26460.997 | -25.71 | -25 | Pass | 14500 |
| Level(dBm) | 20- 10- 0- -10- -20- -30- -40- -50- -60- -70- -80- 0.009 | 2500 5000 | 7500 | | 500 15000 | 17500 2 | 0000 22 | 2500 | 26500 |
| | | | | Frequ | uency(MHz) | | | | |



1.37. LTE Transmitter Spurious Emissions(NTNV)(Subtest:41, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|--------------|----------|-------------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.011 | -54.12 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -51.79 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 902.89 | -59.38 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2482.995 | -40.87 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2501.1 | 23.53 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2668.2 | -47.33 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11899.989 | -49.05 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26450.997 | -25.73 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (\hat{RB}) -20- -30- -40- -50- -60- -70- -80- | | | | | | | | |
| | 2500 5000 | 7500 | | 500 15000 Jency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



1.38. LTE Transmitter Spurious Emissions(NTNV)(Subtest:42, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|--|----------------------------|--------------|----------|-------------------------|----------------|----------------|---------|---------------------------------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.011 | -54.76 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.03 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 899.39 | -59.28 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2482.995 | -29.99 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2518.95 | 21.11 | 60 | Pass | 601 |
| 2580 | _ | 1 | RMS | 2694.8 | -47.35 | -25 | Pass | 601 |
| 3000 | | 1 | RMS | 11900.989 | -49 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26471.998 | -25.72 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (Mg -20- -30- -40- -50- -60- -70- -80- | | | | | ** | | | · · · · · · · · · · · · · · · · · · · |
| 0.009 | 2500 5000 | 7500 | | 500 15000 uency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



1.39. LTE Transmitter Spurious Emissions(NTNV)(Subtest:43, Channel:20850, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|--------------|----------|-------------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -53.64 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.76 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 919.992 | -59.23 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2482.995 | -42.12 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2501.1 | 22.81 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2670.3 | -47.35 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11899.989 | -48.97 | -25 | Pass | 9000 |
| 12000 30- | 26500 | 1 | RMS | 26454.997 | -25.72 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (Eqp)) -30- -30- -40- -50- -60- -70- -80- | | | | | | | | |
| 0.009 | 2500 5000 | 7500 | | 500 15000 Jency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



1.70. LTE Transmitter Spurious Emissions(NTNV)(Subtest:44, Channel:20850, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)



1.41. LTE Transmitter Spurious Emissions(NTNV)(Subtest:45, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|--------------|----------|-------------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.01 | -53.78 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.86 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 867.486 | -59.18 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2490 | -42.2 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2526.15 | 20.55 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2668.9 | -47.4 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11898.989 | -49.05 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26449.997 | -25.76 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (MgB)-30- -30- -40- -50- -60- -70- -80- | | | | | | | | |
| | 2500 5000 | 7500 | | 500 15000 uency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



1.42. LTE Transmitter Spurious Emissions(NTNV)(Subtest:46, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|--------------|----------|--------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -53.5 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.1 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 905.79 | -59.2 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2490 | -46.97 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2543.85 | 22.92 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2580 | -38.77 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11900.989 | -49.03 | -25 | Pass | 9000 |
| 12000 30- | 26500 | 1 | RMS | 26448.996 | -25.77 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (\(\begin{align*} \(\text{BP}\) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \ | 2500 5000 | 7500 | 10000 12 | 500 15000 | 17500 2 | 0000 22 | 2500 | 26500 |

Frequency(MHz)



1.43. LTE Transmitter Spurious Emissions(NTNV)(Subtest:47, Channel:21100, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|-----------------------------|----------------------------|--------------|----------|--------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -54.05 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.49 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 992.699 | -59.35 | -25 | Pass | 9700 |
| 2490 | 2580 | 1 | RMS | 2526.15 | 19.79 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2667.5 | -47.43 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11901.989 | -49.08 | -25 | Pass | 9000 |
| 12000 | 26500 | 1 | RMS | 26452.997 | -25.73 | -25 | Pass | 14500 |
| 25- 10- 0- -10- | | | | | | | | |





1.44. LTE Transmitter Spurious Emissions(NTNV)(Subtest:50, Channel:21100, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)



1.45. LTE Transmitter Spurious Emissions(NTNV)(Subtest:51, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|--|----------------------------|--------------|----------|-------------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -53.66 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -53.13 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 897.689 | -59.31 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2432.962 | -47.04 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2551.05 | 21.2 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2587 | -34.49 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11900.989 | -49.01 | -25 | Pass | 9000 |
| 12000 30- | 26500 | 1 | RMS | 26458.997 | -25.71 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (\text{\text{\$M}}\text{\$P} | | | | | | | | |
| 0.009 | 2500 5000 | 7500 | | 500 15000 Jency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |



1.46. LTE Transmitter Spurious Emissions(NTNV)(Subtest:52, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|---|----------------------------|--------------|----------|--------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.012 | -53.74 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.74 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 891.889 | -59.31 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2487.999 | -47.03 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2568.9 | 21.84 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2587 | -45.9 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11900.989 | -49.02 | -25 | Pass | 9000 |
| 30- | 26500 | 1 | RMS | 26465.998 | -25.74 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (\(\begin{align*} \(\text{BP}\) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \ | 2500 5000 | 7500 | 10000 12 | 500 15000 | 17500 2 | 0000 22 | 2500 | 26500 |

Frequency(MHz)



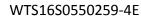
1.47. LTE Transmitter Spurious Emissions(NTNV)(Subtest:53, Channel:21350, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)

| Fr | Start requency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|------------|---|----------------------------|--------------|----------|--------------------|-------------|----------------|---------|----------------|
| | 0.009 | 0.15 | 0.001 | RMS | 0.012 | -54.55 | -25 | Pass | 601 |
| | 0.15 | 30 | 0.01 | RMS | 0.15 | -52.95 | -25 | Pass | 2985 |
| | 30 | 1000 | 0.1 | RMS | 912.091 | -59.23 | -25 | Pass | 9700 |
| | 1000 | 2490 | 1 | RMS | 2433.962 | -47.05 | -25 | Pass | 1490 |
| | 2490 | 2580 | 1 | RMS | 2551.05 | 20.44 | 60 | Pass | 601 |
| | 2580 | 3000 | 1 | RMS | 2587 | -33.16 | -25 | Pass | 601 |
| | 3000 | 12000 | 1 | RMS | 11899.989 | -48.98 | -25 | Pass | 9000 |
| | 12000 | 26500 | 1 | RMS | 26454.997 | -25.73 | -25 | Pass | 14500 |
| Level(dBm) | 20- 10- 0- -10- -20- -30- -40- -50- -60- -70- -80- 0.009 | 2500 5000 | 7500 | 10000 12 | 2500 15000 | 17500 2 | 0000 22 | 2500 | 26500 |
| | | | | Frequ | uency(MHz) | | | | |



1.48. LTE Transmitter Spurious Emissions(NTNV)(Subtest:54, Channel:21350, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

| Start Frequency (MHz) | Stop Frequency (MHz) | RBW (MHz) | Detector | Frequency (MHz) | Power (dBm) | Limit (dBm) | Verdict | Sweep Point |
|--|----------------------------|--------------|----------|--------------------------|----------------|----------------|---------|----------------|
| 0.009 | 0.15 | 0.001 | RMS | 0.009 | -54.63 | -25 | Pass | 601 |
| 0.15 | 30 | 0.01 | RMS | 0.15 | -52.51 | -25 | Pass | 2985 |
| 30 | 1000 | 0.1 | RMS | 931.293 | -59.23 | -25 | Pass | 9700 |
| 1000 | 2490 | 1 | RMS | 2428.959 | -47.03 | -25 | Pass | 1490 |
| 2490 | 2580 | 1 | RMS | 2568.9 | 21.14 | 60 | Pass | 601 |
| 2580 | 3000 | 1 | RMS | 2587 | -46.23 | -25 | Pass | 601 |
| 3000 | 12000 | 1 | RMS | 11899.989 | -49.03 | -25 | Pass | 9000 |
| 12000 30- | 26500 | 1 | RMS | 26453.997 | -25.75 | -25 | Pass | 14500 |
| 20- 10- 0- -10- (mgp) -30- -40- -50- -60- -70- -80- | | | | | "Mashanan | | | |
| | 2500 5000 | 7500 | | 1500 15000 uency(MHz) | 17500 2 | 0000 22 | 500 | 26500 |





END