



No. I22N01710-RF-NR

| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 15          | 15           | 1772.5        | CP   | 64QAM      | Edge_1RB_Right | 18.67          | 16.37                | 17.77                |
| DC_7A-n66A | 15          | 15           | 1772.5        | CP   | 64QAM      | Outer_Full     | 18.51          | 16.21                | 17.61                |
| DC_7A-n66A | 15          | 15           | 1772.5        | CP   | 256QAM     | Inner_Full     | 15.38          | 13.08                | 14.48                |
| DC_7A-n66A | 15          | 15           | 1772.5        | CP   | 256QAM     | Edge_1RB_Left  | 15.28          | 12.98                | 14.38                |
| DC_7A-n66A | 15          | 15           | 1772.5        | CP   | 256QAM     | Edge_1RB_Right | 15.49          | 13.19                | 14.59                |
| DC_7A-n66A | 15          | 15           | 1772.5        | CP   | 256QAM     | Outer_Full     | 15.54          | 13.24                | 14.64                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | pi/2 BPSK  | Inner_Full     | 22.05          | 19.75                | 21.15                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 21.28          | 18.98                | 20.38                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | pi/2 BPSK  | Edge_1RB_Right | 21.53          | 19.23                | 20.63                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | pi/2 BPSK  | Outer_Full     | 21.56          | 19.26                | 20.66                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | QPSK       | Inner_Full     | 22.1           | 19.8                 | 21.2                 |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | QPSK       | Edge_1RB_Left  | 20.74          | 18.44                | 19.84                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | QPSK       | Edge_1RB_Right | 21.05          | 18.75                | 20.15                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | QPSK       | Outer_Full     | 21.04          | 18.74                | 20.14                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 16QAM      | Inner_Full     | 21.13          | 18.83                | 20.23                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 16QAM      | Edge_1RB_Left  | 19.6           | 17.3                 | 18.7                 |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 16QAM      | Edge_1RB_Right | 19.81          | 17.51                | 18.91                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 16QAM      | Outer_Full     | 20.06          | 17.76                | 19.16                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 64QAM      | Inner_Full     | 19.57          | 17.27                | 18.67                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 64QAM      | Edge_1RB_Left  | 19.43          | 17.13                | 18.53                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 64QAM      | Edge_1RB_Right | 19.71          | 17.41                | 18.81                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 64QAM      | Outer_Full     | 19.58          | 17.28                | 18.68                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 256QAM     | Inner_Full     | 17.67          | 15.37                | 16.77                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 256QAM     | Edge_1RB_Left  | 17.26          | 14.96                | 16.36                |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 256QAM     | Edge_1RB_Right | 17.5           | 15.2                 | 16.6                 |
| DC_7A-n66A | 20          | 15           | 1720          | DFT  | 256QAM     | Outer_Full     | 17.7           | 15.4                 | 16.8                 |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | QPSK       | Inner_Full     | 20.6           | 18.3                 | 19.7                 |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | QPSK       | Edge_1RB_Left  | 19.07          | 16.77                | 18.17                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | QPSK       | Edge_1RB_Right | 19.36          | 17.06                | 18.46                |



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| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 20          | 15           | 1720          | CP   | QPSK       | Outer_Full     | 19.23          | 16.93                | 18.33                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 16QAM      | Inner_Full     | 20.14          | 17.84                | 19.24                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 16QAM      | Edge_1RB_Left  | 18.7           | 16.4                 | 17.8                 |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 16QAM      | Edge_1RB_Right | 19.07          | 16.77                | 18.17                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 16QAM      | Outer_Full     | 19.24          | 16.94                | 18.34                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 64QAM      | Inner_Full     | 18.72          | 16.42                | 17.82                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 64QAM      | Edge_1RB_Left  | 18.54          | 16.24                | 17.64                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 64QAM      | Edge_1RB_Right | 18.92          | 16.62                | 18.02                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 64QAM      | Outer_Full     | 18.73          | 16.43                | 17.83                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 256QAM     | Inner_Full     | 15.69          | 13.39                | 14.79                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 256QAM     | Edge_1RB_Left  | 15.37          | 13.07                | 14.47                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 256QAM     | Edge_1RB_Right | 15.72          | 13.42                | 14.82                |
| DC_7A-n66A | 20          | 15           | 1720          | CP   | 256QAM     | Outer_Full     | 15.69          | 13.39                | 14.79                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | pi/2 BPSK  | Inner_Full     | 22.3           | 20                   | 21.4                 |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 21.54          | 19.24                | 20.64                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | pi/2 BPSK  | Edge_1RB_Right | 21.58          | 19.28                | 20.68                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | pi/2 BPSK  | Outer_Full     | 21.75          | 19.45                | 20.85                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | QPSK       | Inner_Full     | 22.35          | 20.05                | 21.45                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | QPSK       | Edge_1RB_Left  | 21.08          | 18.78                | 20.18                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | QPSK       | Edge_1RB_Right | 21.07          | 18.77                | 20.17                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | QPSK       | Outer_Full     | 21.24          | 18.94                | 20.34                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 16QAM      | Inner_Full     | 21.37          | 19.07                | 20.47                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 16QAM      | Edge_1RB_Left  | 19.86          | 17.56                | 18.96                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 16QAM      | Edge_1RB_Right | 19.85          | 17.55                | 18.95                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 16QAM      | Outer_Full     | 20.2           | 17.9                 | 19.3                 |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 64QAM      | Inner_Full     | 19.84          | 17.54                | 18.94                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 64QAM      | Edge_1RB_Left  | 19.77          | 17.47                | 18.87                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 64QAM      | Edge_1RB_Right | 19.8           | 17.5                 | 18.9                 |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 64QAM      | Outer_Full     | 19.7           | 17.4                 | 18.8                 |



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|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 256QAM     | Inner_Full     | 17.97          | 15.67                | 17.07                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 256QAM     | Edge_1RB_Left  | 17.57          | 15.27                | 16.67                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 256QAM     | Edge_1RB_Right | 17.59          | 15.29                | 16.69                |
| DC_7A-n66A | 20          | 15           | 1745          | DFT  | 256QAM     | Outer_Full     | 17.91          | 15.61                | 17.01                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | QPSK       | Inner_Full     | 20.82          | 18.52                | 19.92                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | QPSK       | Edge_1RB_Left  | 19.26          | 16.96                | 18.36                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | QPSK       | Edge_1RB_Right | 19.36          | 17.06                | 18.46                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | QPSK       | Outer_Full     | 19.36          | 17.06                | 18.46                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 16QAM      | Inner_Full     | 20.32          | 18.02                | 19.42                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 16QAM      | Edge_1RB_Left  | 19.11          | 16.81                | 18.21                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 16QAM      | Edge_1RB_Right | 19.26          | 16.96                | 18.36                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 16QAM      | Outer_Full     | 19.38          | 17.08                | 18.48                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 64QAM      | Inner_Full     | 18.92          | 16.62                | 18.02                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 64QAM      | Edge_1RB_Left  | 18.79          | 16.49                | 17.89                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 64QAM      | Edge_1RB_Right | 18.92          | 16.62                | 18.02                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 64QAM      | Outer_Full     | 18.8           | 16.5                 | 17.9                 |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 256QAM     | Inner_Full     | 15.92          | 13.62                | 15.02                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 256QAM     | Edge_1RB_Left  | 15.57          | 13.27                | 14.67                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 256QAM     | Edge_1RB_Right | 15.75          | 13.45                | 14.85                |
| DC_7A-n66A | 20          | 15           | 1745          | CP   | 256QAM     | Outer_Full     | 15.85          | 13.55                | 14.95                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | pi/2 BPSK  | Inner_Full     | 22             | 19.7                 | 21.1                 |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 21.38          | 19.08                | 20.48                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | pi/2 BPSK  | Edge_1RB_Right | 21.43          | 19.13                | 20.53                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | pi/2 BPSK  | Outer_Full     | 21.45          | 19.15                | 20.55                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | QPSK       | Inner_Full     | 22.02          | 19.72                | 21.12                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | QPSK       | Edge_1RB_Left  | 20.85          | 18.55                | 19.95                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | QPSK       | Edge_1RB_Right | 20.85          | 18.55                | 19.95                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | QPSK       | Outer_Full     | 20.95          | 18.65                | 20.05                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 16QAM      | Inner_Full     | 21.07          | 18.77                | 20.17                |



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|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 16QAM      | Edge_1RB_Left  | 19.67          | 17.37                | 18.77                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 16QAM      | Edge_1RB_Right | 19.7           | 17.4                 | 18.8                 |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 16QAM      | Outer_Full     | 19.95          | 17.65                | 19.05                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 64QAM      | Inner_Full     | 19.51          | 17.21                | 18.61                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 64QAM      | Edge_1RB_Left  | 19.62          | 17.32                | 18.72                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 64QAM      | Edge_1RB_Right | 19.6           | 17.3                 | 18.7                 |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 64QAM      | Outer_Full     | 19.35          | 17.05                | 18.45                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 256QAM     | Inner_Full     | 17.66          | 15.36                | 16.76                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 256QAM     | Edge_1RB_Left  | 17.35          | 15.05                | 16.45                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 256QAM     | Edge_1RB_Right | 17.41          | 15.11                | 16.51                |
| DC_7A-n66A | 20          | 15           | 1770          | DFT  | 256QAM     | Outer_Full     | 17.57          | 15.27                | 16.67                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | QPSK       | Inner_Full     | 20.47          | 18.17                | 19.57                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | QPSK       | Edge_1RB_Left  | 19.09          | 16.79                | 18.19                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | QPSK       | Edge_1RB_Right | 19.14          | 16.84                | 18.24                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | QPSK       | Outer_Full     | 19.05          | 16.75                | 18.15                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 16QAM      | Inner_Full     | 20.01          | 17.71                | 19.11                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 16QAM      | Edge_1RB_Left  | 18.96          | 16.66                | 18.06                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 16QAM      | Edge_1RB_Right | 19.05          | 16.75                | 18.15                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 16QAM      | Outer_Full     | 19.05          | 16.75                | 18.15                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 64QAM      | Inner_Full     | 18.67          | 16.37                | 17.77                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 64QAM      | Edge_1RB_Left  | 18.68          | 16.38                | 17.78                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 64QAM      | Edge_1RB_Right | 18.69          | 16.39                | 17.79                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 64QAM      | Outer_Full     | 18.52          | 16.22                | 17.62                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 256QAM     | Inner_Full     | 15.57          | 13.27                | 14.67                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 256QAM     | Edge_1RB_Left  | 15.48          | 13.18                | 14.58                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 256QAM     | Edge_1RB_Right | 15.56          | 13.26                | 14.66                |
| DC_7A-n66A | 20          | 15           | 1770          | CP   | 256QAM     | Outer_Full     | 15.53          | 13.23                | 14.63                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | pi/2 BPSK  | Inner_Full     | 22.04          | 19.74                | 21.14                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 21.17          | 18.87                | 20.27                |



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|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | pi/2 BPSK  | Edge_1RB_Right | 21.55          | 19.25                | 20.65                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | pi/2 BPSK  | Outer_Full     | 21.52          | 19.22                | 20.62                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | QPSK       | Inner_Full     | 22.02          | 19.72                | 21.12                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | QPSK       | Edge_1RB_Left  | 20.65          | 18.35                | 19.75                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | QPSK       | Edge_1RB_Right | 21.07          | 18.77                | 20.17                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | QPSK       | Outer_Full     | 21.08          | 18.78                | 20.18                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 16QAM      | Inner_Full     | 21.03          | 18.73                | 20.13                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 16QAM      | Edge_1RB_Left  | 19.48          | 17.18                | 18.58                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 16QAM      | Edge_1RB_Right | 19.85          | 17.55                | 18.95                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 16QAM      | Outer_Full     | 20.06          | 17.76                | 19.16                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 64QAM      | Inner_Full     | 19.56          | 17.26                | 18.66                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 64QAM      | Edge_1RB_Left  | 19.41          | 17.11                | 18.51                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 64QAM      | Edge_1RB_Right | 19.79          | 17.49                | 18.89                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 64QAM      | Outer_Full     | 19.55          | 17.25                | 18.65                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 256QAM     | Inner_Full     | 17.61          | 15.31                | 16.71                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 256QAM     | Edge_1RB_Left  | 17.16          | 14.86                | 16.26                |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 256QAM     | Edge_1RB_Right | 17.6           | 15.3                 | 16.7                 |
| DC_7A-n66A | 25          | 15           | 1722.5        | DFT  | 256QAM     | Outer_Full     | 17.66          | 15.36                | 16.76                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | QPSK       | Inner_Full     | 20.53          | 18.23                | 19.63                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | QPSK       | Edge_1RB_Left  | 18.91          | 16.61                | 18.01                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | QPSK       | Edge_1RB_Right | 19.26          | 16.96                | 18.36                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | QPSK       | Outer_Full     | 19.14          | 16.84                | 18.24                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 16QAM      | Inner_Full     | 20.04          | 17.74                | 19.14                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 16QAM      | Edge_1RB_Left  | 18.77          | 16.47                | 17.87                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 16QAM      | Edge_1RB_Right | 19.16          | 16.86                | 18.26                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 16QAM      | Outer_Full     | 19.19          | 16.89                | 18.29                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 64QAM      | Inner_Full     | 18.69          | 16.39                | 17.79                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 64QAM      | Edge_1RB_Left  | 18.47          | 16.17                | 17.57                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 64QAM      | Edge_1RB_Right | 18.79          | 16.49                | 17.89                |



# No. I22N01710-RF-NR

| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 64QAM      | Outer_Full     | 18.62          | 16.32                | 17.72                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 256QAM     | Inner_Full     | 15.57          | 13.27                | 14.67                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 256QAM     | Edge_1RB_Left  | 15.18          | 12.88                | 14.28                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 256QAM     | Edge_1RB_Right | 15.57          | 13.27                | 14.67                |
| DC_7A-n66A | 25          | 15           | 1722.5        | CP   | 256QAM     | Outer_Full     | 15.54          | 13.24                | 14.64                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | pi/2 BPSK  | Inner_Full     | 22.31          | 20.01                | 21.41                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 21.44          | 19.14                | 20.54                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | pi/2 BPSK  | Edge_1RB_Right | 21.46          | 19.16                | 20.56                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | pi/2 BPSK  | Outer_Full     | 21.69          | 19.39                | 20.79                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | QPSK       | Inner_Full     | 22.3           | 20                   | 21.4                 |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | QPSK       | Edge_1RB_Left  | 20.93          | 18.63                | 20.03                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | QPSK       | Edge_1RB_Right | 20.88          | 18.58                | 19.98                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | QPSK       | Outer_Full     | 21.15          | 18.85                | 20.25                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 16QAM      | Inner_Full     | 21.31          | 19.01                | 20.41                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 16QAM      | Edge_1RB_Left  | 19.73          | 17.43                | 18.83                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 16QAM      | Edge_1RB_Right | 19.75          | 17.45                | 18.85                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 16QAM      | Outer_Full     | 20.13          | 17.83                | 19.23                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 64QAM      | Inner_Full     | 19.81          | 17.51                | 18.91                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 64QAM      | Edge_1RB_Left  | 19.67          | 17.37                | 18.77                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 64QAM      | Edge_1RB_Right | 19.67          | 17.37                | 18.77                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 64QAM      | Outer_Full     | 19.68          | 17.38                | 18.78                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 256QAM     | Inner_Full     | 17.84          | 15.54                | 16.94                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 256QAM     | Edge_1RB_Left  | 17.43          | 15.13                | 16.53                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 256QAM     | Edge_1RB_Right | 17.47          | 15.17                | 16.57                |
| DC_7A-n66A | 25          | 15           | 1745          | DFT  | 256QAM     | Outer_Full     | 17.81          | 15.51                | 16.91                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | QPSK       | Inner_Full     | 20.72          | 18.42                | 19.82                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | QPSK       | Edge_1RB_Left  | 19.15          | 16.85                | 18.25                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | QPSK       | Edge_1RB_Right | 19.11          | 16.81                | 18.21                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | QPSK       | Outer_Full     | 19.26          | 16.96                | 18.36                |



## No. I22N01710-RF-NR

| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 16QAM      | Inner_Full     | 20.22          | 17.92                | 19.32                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 16QAM      | Edge_1RB_Left  | 19             | 16.7                 | 18.1                 |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 16QAM      | Edge_1RB_Right | 19.08          | 16.78                | 18.18                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 16QAM      | Outer_Full     | 19.32          | 17.02                | 18.42                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 64QAM      | Inner_Full     | 18.88          | 16.58                | 17.98                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 64QAM      | Edge_1RB_Left  | 18.74          | 16.44                | 17.84                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 64QAM      | Edge_1RB_Right | 18.71          | 16.41                | 17.81                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 64QAM      | Outer_Full     | 18.79          | 16.49                | 17.89                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 256QAM     | Inner_Full     | 15.83          | 13.53                | 14.93                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 256QAM     | Edge_1RB_Left  | 15.48          | 13.18                | 14.58                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 256QAM     | Edge_1RB_Right | 15.48          | 13.18                | 14.58                |
| DC_7A-n66A | 25          | 15           | 1745          | CP   | 256QAM     | Outer_Full     | 15.67          | 13.37                | 14.77                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | pi/2 BPSK  | Inner_Full     | 22.02          | 19.72                | 21.12                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 21.35          | 19.05                | 20.45                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | pi/2 BPSK  | Edge_1RB_Right | 21.25          | 18.95                | 20.35                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | pi/2 BPSK  | Outer_Full     | 21.39          | 19.09                | 20.49                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | QPSK       | Inner_Full     | 22.02          | 19.72                | 21.12                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | QPSK       | Edge_1RB_Left  | 20.87          | 18.57                | 19.97                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | QPSK       | Edge_1RB_Right | 20.7           | 18.4                 | 19.8                 |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | QPSK       | Outer_Full     | 20.89          | 18.59                | 19.99                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 16QAM      | Inner_Full     | 21.01          | 18.71                | 20.11                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 16QAM      | Edge_1RB_Left  | 19.67          | 17.37                | 18.77                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 16QAM      | Edge_1RB_Right | 19.5           | 17.2                 | 18.6                 |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 16QAM      | Outer_Full     | 19.88          | 17.58                | 18.98                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 64QAM      | Inner_Full     | 19.51          | 17.21                | 18.61                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 64QAM      | Edge_1RB_Left  | 19.62          | 17.32                | 18.72                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 64QAM      | Edge_1RB_Right | 19.45          | 17.15                | 18.55                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 64QAM      | Outer_Full     | 19.42          | 17.12                | 18.52                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 256QAM     | Inner_Full     | 17.57          | 15.27                | 16.67                |



## No. I22N01710-RF-NR

| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 256QAM     | Edge_1RB_Left  | 17.31          | 15.01                | 16.41                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 256QAM     | Edge_1RB_Right | 17.23          | 14.93                | 16.33                |
| DC_7A-n66A | 25          | 15           | 1767.5        | DFT  | 256QAM     | Outer_Full     | 17.56          | 15.26                | 16.66                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | QPSK       | Inner_Full     | 20.48          | 18.18                | 19.58                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | QPSK       | Edge_1RB_Left  | 19.02          | 16.72                | 18.12                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | QPSK       | Edge_1RB_Right | 18.9           | 16.6                 | 18                   |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | QPSK       | Outer_Full     | 18.98          | 16.68                | 18.08                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 16QAM      | Inner_Full     | 19.95          | 17.65                | 19.05                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 16QAM      | Edge_1RB_Left  | 18.97          | 16.67                | 18.07                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 16QAM      | Edge_1RB_Right | 18.8           | 16.5                 | 17.9                 |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 16QAM      | Outer_Full     | 19.02          | 16.72                | 18.12                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 64QAM      | Inner_Full     | 18.66          | 16.36                | 17.76                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 64QAM      | Edge_1RB_Left  | 18.58          | 16.28                | 17.68                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 64QAM      | Edge_1RB_Right | 18.55          | 16.25                | 17.65                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 64QAM      | Outer_Full     | 18.51          | 16.21                | 17.61                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 256QAM     | Inner_Full     | 15.57          | 13.27                | 14.67                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 256QAM     | Edge_1RB_Left  | 15.47          | 13.17                | 14.57                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 256QAM     | Edge_1RB_Right | 15.29          | 12.99                | 14.39                |
| DC_7A-n66A | 25          | 15           | 1767.5        | CP   | 256QAM     | Outer_Full     | 15.43          | 13.13                | 14.53                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | pi/2 BPSK  | Inner_Full     | 22.11          | 19.81                | 21.21                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 21.02          | 18.72                | 20.12                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | pi/2 BPSK  | Edge_1RB_Right | 21.46          | 19.16                | 20.56                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | pi/2 BPSK  | Outer_Full     | 21.65          | 19.35                | 20.75                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | QPSK       | Inner_Full     | 22.11          | 19.81                | 21.21                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | QPSK       | Edge_1RB_Left  | 20.55          | 18.25                | 19.65                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | QPSK       | Edge_1RB_Right | 20.93          | 18.63                | 20.03                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | QPSK       | Outer_Full     | 21.13          | 18.83                | 20.23                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 16QAM      | Inner_Full     | 21.11          | 18.81                | 20.21                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 16QAM      | Edge_1RB_Left  | 19.41          | 17.11                | 18.51                |



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| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 16QAM      | Edge_1RB_Right | 19.88          | 17.58                | 18.98                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 16QAM      | Outer_Full     | 20.08          | 17.78                | 19.18                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 64QAM      | Inner_Full     | 19.53          | 17.23                | 18.63                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 64QAM      | Edge_1RB_Left  | 19.27          | 16.97                | 18.37                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 64QAM      | Edge_1RB_Right | 19.7           | 17.4                 | 18.8                 |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 64QAM      | Outer_Full     | 19.58          | 17.28                | 18.68                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 256QAM     | Inner_Full     | 17.64          | 15.34                | 16.74                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 256QAM     | Edge_1RB_Left  | 17.03          | 14.73                | 16.13                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 256QAM     | Edge_1RB_Right | 17.43          | 15.13                | 16.53                |
| DC_7A-n66A | 30          | 15           | 1725          | DFT  | 256QAM     | Outer_Full     | 17.7           | 15.4                 | 16.8                 |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | QPSK       | Inner_Full     | 20.56          | 18.26                | 19.66                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | QPSK       | Edge_1RB_Left  | 18.74          | 16.44                | 17.84                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | QPSK       | Edge_1RB_Right | 19.25          | 16.95                | 18.35                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | QPSK       | Outer_Full     | 19.19          | 16.89                | 18.29                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 16QAM      | Inner_Full     | 20.06          | 17.76                | 19.16                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 16QAM      | Edge_1RB_Left  | 18.65          | 16.35                | 17.75                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 16QAM      | Edge_1RB_Right | 19.16          | 16.86                | 18.26                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 16QAM      | Outer_Full     | 19.24          | 16.94                | 18.34                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 64QAM      | Inner_Full     | 18.66          | 16.36                | 17.76                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 64QAM      | Edge_1RB_Left  | 18.27          | 15.97                | 17.37                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 64QAM      | Edge_1RB_Right | 18.82          | 16.52                | 17.92                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 64QAM      | Outer_Full     | 18.7           | 16.4                 | 17.8                 |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 256QAM     | Inner_Full     | 15.67          | 13.37                | 14.77                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 256QAM     | Edge_1RB_Left  | 15.15          | 12.85                | 14.25                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 256QAM     | Edge_1RB_Right | 15.63          | 13.33                | 14.73                |
| DC_7A-n66A | 30          | 15           | 1725          | CP   | 256QAM     | Outer_Full     | 15.74          | 13.44                | 14.84                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | pi/2 BPSK  | Inner_Full     | 22.23          | 19.93                | 21.33                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 21.23          | 18.93                | 20.33                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | pi/2 BPSK  | Edge_1RB_Right | 21.33          | 19.03                | 20.43                |



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| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | pi/2 BPSK  | Outer_Full     | 21.54          | 19.24                | 20.64                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | QPSK       | Inner_Full     | 22.27          | 19.97                | 21.37                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | QPSK       | Edge_1RB_Left  | 20.75          | 18.45                | 19.85                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | QPSK       | Edge_1RB_Right | 20.82          | 18.52                | 19.92                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | QPSK       | Outer_Full     | 21.11          | 18.81                | 20.21                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 16QAM      | Inner_Full     | 21.23          | 18.93                | 20.33                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 16QAM      | Edge_1RB_Left  | 19.56          | 17.26                | 18.66                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 16QAM      | Edge_1RB_Right | 19.61          | 17.31                | 18.71                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 16QAM      | Outer_Full     | 20.06          | 17.76                | 19.16                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 64QAM      | Inner_Full     | 19.75          | 17.45                | 18.85                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 64QAM      | Edge_1RB_Left  | 19.46          | 17.16                | 18.56                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 64QAM      | Edge_1RB_Right | 19.55          | 17.25                | 18.65                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 64QAM      | Outer_Full     | 19.52          | 17.22                | 18.62                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 256QAM     | Inner_Full     | 17.84          | 15.54                | 16.94                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 256QAM     | Edge_1RB_Left  | 17.16          | 14.86                | 16.26                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 256QAM     | Edge_1RB_Right | 17.25          | 14.95                | 16.35                |
| DC_7A-n66A | 30          | 15           | 1745          | DFT  | 256QAM     | Outer_Full     | 17.75          | 15.45                | 16.85                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | QPSK       | Inner_Full     | 20.68          | 18.38                | 19.78                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | QPSK       | Edge_1RB_Left  | 18.99          | 16.69                | 18.09                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | QPSK       | Edge_1RB_Right | 19.1           | 16.8                 | 18.2                 |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | QPSK       | Outer_Full     | 19.21          | 16.91                | 18.31                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 16QAM      | Inner_Full     | 20.23          | 17.93                | 19.33                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 16QAM      | Edge_1RB_Left  | 18.72          | 16.42                | 17.82                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 16QAM      | Edge_1RB_Right | 18.88          | 16.58                | 17.98                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 16QAM      | Outer_Full     | 19.13          | 16.83                | 18.23                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 64QAM      | Inner_Full     | 18.88          | 16.58                | 17.98                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 64QAM      | Edge_1RB_Left  | 18.49          | 16.19                | 17.59                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 64QAM      | Edge_1RB_Right | 18.68          | 16.38                | 17.78                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 64QAM      | Outer_Full     | 18.67          | 16.37                | 17.77                |



## No. I22N01710-RF-NR

| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 256QAM     | Inner_Full     | 15.81          | 13.51                | 14.91                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 256QAM     | Edge_1RB_Left  | 15.36          | 13.06                | 14.46                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 256QAM     | Edge_1RB_Right | 15.46          | 13.16                | 14.56                |
| DC_7A-n66A | 30          | 15           | 1745          | CP   | 256QAM     | Outer_Full     | 15.64          | 13.34                | 14.74                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | pi/2 BPSK  | Inner_Full     | 22.03          | 19.73                | 21.13                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 21.29          | 18.99                | 20.39                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | pi/2 BPSK  | Edge_1RB_Right | 21.08          | 18.78                | 20.18                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | pi/2 BPSK  | Outer_Full     | 21.4           | 19.1                 | 20.5                 |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | QPSK       | Inner_Full     | 22.04          | 19.74                | 21.14                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | QPSK       | Edge_1RB_Left  | 20.77          | 18.47                | 19.87                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | QPSK       | Edge_1RB_Right | 20.55          | 18.25                | 19.65                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | QPSK       | Outer_Full     | 20.91          | 18.61                | 20.01                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 16QAM      | Inner_Full     | 21.01          | 18.71                | 20.11                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 16QAM      | Edge_1RB_Left  | 19.65          | 17.35                | 18.75                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 16QAM      | Edge_1RB_Right | 19.39          | 17.09                | 18.49                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 16QAM      | Outer_Full     | 19.87          | 17.57                | 18.97                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 64QAM      | Inner_Full     | 19.57          | 17.27                | 18.67                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 64QAM      | Edge_1RB_Left  | 19.52          | 17.22                | 18.62                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 64QAM      | Edge_1RB_Right | 19.3           | 17                   | 18.4                 |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 64QAM      | Outer_Full     | 19.38          | 17.08                | 18.48                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 256QAM     | Inner_Full     | 17.65          | 15.35                | 16.75                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 256QAM     | Edge_1RB_Left  | 17.28          | 14.98                | 16.38                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 256QAM     | Edge_1RB_Right | 17.03          | 14.73                | 16.13                |
| DC_7A-n66A | 30          | 15           | 1765          | DFT  | 256QAM     | Outer_Full     | 17.56          | 15.26                | 16.66                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | QPSK       | Inner_Full     | 20.46          | 18.16                | 19.56                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | QPSK       | Edge_1RB_Left  | 18.94          | 16.64                | 18.04                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | QPSK       | Edge_1RB_Right | 18.86          | 16.56                | 17.96                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | QPSK       | Outer_Full     | 19.02          | 16.72                | 18.12                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 16QAM      | Inner_Full     | 20             | 17.7                 | 19.1                 |



## No. I22N01710-RF-NR

| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 16QAM      | Edge_1RB_Left  | 18.92          | 16.62                | 18.02                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 16QAM      | Edge_1RB_Right | 18.75          | 16.45                | 17.85                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 16QAM      | Outer_Full     | 18.95          | 16.65                | 18.05                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 64QAM      | Inner_Full     | 18.64          | 16.34                | 17.74                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 64QAM      | Edge_1RB_Left  | 18.54          | 16.24                | 17.64                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 64QAM      | Edge_1RB_Right | 18.44          | 16.14                | 17.54                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 64QAM      | Outer_Full     | 18.47          | 16.17                | 17.57                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 256QAM     | Inner_Full     | 15.57          | 13.27                | 14.67                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 256QAM     | Edge_1RB_Left  | 15.36          | 13.06                | 14.46                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 256QAM     | Edge_1RB_Right | 15.29          | 12.99                | 14.39                |
| DC_7A-n66A | 30          | 15           | 1765          | CP   | 256QAM     | Outer_Full     | 15.52          | 13.22                | 14.62                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | pi/2 BPSK  | Inner_Full     | 22.1           | 19.8                 | 21.2                 |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 20.8           | 18.5                 | 19.9                 |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | pi/2 BPSK  | Edge_1RB_Right | 21.24          | 18.94                | 20.34                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | pi/2 BPSK  | Outer_Full     | 21.64          | 19.34                | 20.74                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | QPSK       | Inner_Full     | 22.2           | 19.9                 | 21.3                 |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | QPSK       | Edge_1RB_Left  | 20.29          | 17.99                | 19.39                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | QPSK       | Edge_1RB_Right | 20.79          | 18.49                | 19.89                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | QPSK       | Outer_Full     | 21.13          | 18.83                | 20.23                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 16QAM      | Inner_Full     | 21.23          | 18.93                | 20.33                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 16QAM      | Edge_1RB_Left  | 19.26          | 16.96                | 18.36                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 16QAM      | Edge_1RB_Right | 19.59          | 17.29                | 18.69                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 16QAM      | Outer_Full     | 20.14          | 17.84                | 19.24                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 64QAM      | Inner_Full     | 19.7           | 17.4                 | 18.8                 |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 64QAM      | Edge_1RB_Left  | 19.06          | 16.76                | 18.16                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 64QAM      | Edge_1RB_Right | 19.52          | 17.22                | 18.62                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 64QAM      | Outer_Full     | 19.63          | 17.33                | 18.73                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 256QAM     | Inner_Full     | 17.72          | 15.42                | 16.82                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 256QAM     | Edge_1RB_Left  | 16.81          | 14.51                | 15.91                |



## No. I22N01710-RF-NR

| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 256QAM     | Edge_1RB_Right | 17.26          | 14.96                | 16.36                |
| DC_7A-n66A | 40          | 15           | 1730          | DFT  | 256QAM     | Outer_Full     | 17.72          | 15.42                | 16.82                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | QPSK       | Inner_Full     | 20.63          | 18.33                | 19.73                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | QPSK       | Edge_1RB_Left  | 18.55          | 16.25                | 17.65                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | QPSK       | Edge_1RB_Right | 18.99          | 16.69                | 18.09                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | QPSK       | Outer_Full     | 19.28          | 16.98                | 18.38                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 16QAM      | Inner_Full     | 20.16          | 17.86                | 19.26                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 16QAM      | Edge_1RB_Left  | 18.4           | 16.1                 | 17.5                 |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 16QAM      | Edge_1RB_Right | 18.91          | 16.61                | 18.01                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 16QAM      | Outer_Full     | 19.26          | 16.96                | 18.36                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 64QAM      | Inner_Full     | 18.77          | 16.47                | 17.87                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 64QAM      | Edge_1RB_Left  | 18.04          | 15.74                | 17.14                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 64QAM      | Edge_1RB_Right | 18.56          | 16.26                | 17.66                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 64QAM      | Outer_Full     | 18.79          | 16.49                | 17.89                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 256QAM     | Inner_Full     | 15.75          | 13.45                | 14.85                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 256QAM     | Edge_1RB_Left  | 14.85          | 12.55                | 13.95                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 256QAM     | Edge_1RB_Right | 15.39          | 13.09                | 14.49                |
| DC_7A-n66A | 40          | 15           | 1730          | CP   | 256QAM     | Outer_Full     | 15.73          | 13.43                | 14.83                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | pi/2 BPSK  | Inner_Full     | 22.26          | 19.96                | 21.36                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 20.94          | 18.64                | 20.04                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | pi/2 BPSK  | Edge_1RB_Right | 21.02          | 18.72                | 20.12                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | pi/2 BPSK  | Outer_Full     | 21.45          | 19.15                | 20.55                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | QPSK       | Inner_Full     | 22.26          | 19.96                | 21.36                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | QPSK       | Edge_1RB_Left  | 20.45          | 18.15                | 19.55                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | QPSK       | Edge_1RB_Right | 20.53          | 18.23                | 19.63                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | QPSK       | Outer_Full     | 20.97          | 18.67                | 20.07                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 16QAM      | Inner_Full     | 21.28          | 18.98                | 20.38                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 16QAM      | Edge_1RB_Left  | 19.27          | 16.97                | 18.37                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 16QAM      | Edge_1RB_Right | 19.38          | 17.08                | 18.48                |



## No. I22N01710-RF-NR

| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 16QAM      | Outer_Full     | 19.96          | 17.66                | 19.06                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 64QAM      | Inner_Full     | 19.77          | 17.47                | 18.87                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 64QAM      | Edge_1RB_Left  | 19.21          | 16.91                | 18.31                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 64QAM      | Edge_1RB_Right | 19.27          | 16.97                | 18.37                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 64QAM      | Outer_Full     | 19.48          | 17.18                | 18.58                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 256QAM     | Inner_Full     | 17.81          | 15.51                | 16.91                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 256QAM     | Edge_1RB_Left  | 16.94          | 14.64                | 16.04                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 256QAM     | Edge_1RB_Right | 17.04          | 14.74                | 16.14                |
| DC_7A-n66A | 40          | 15           | 1745          | DFT  | 256QAM     | Outer_Full     | 17.59          | 15.29                | 16.69                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | QPSK       | Inner_Full     | 20.7           | 18.4                 | 19.8                 |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | QPSK       | Edge_1RB_Left  | 18.65          | 16.35                | 17.75                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | QPSK       | Edge_1RB_Right | 18.81          | 16.51                | 17.91                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | QPSK       | Outer_Full     | 19.03          | 16.73                | 18.13                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 16QAM      | Inner_Full     | 20.19          | 17.89                | 19.29                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 16QAM      | Edge_1RB_Left  | 18.56          | 16.26                | 17.66                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 16QAM      | Edge_1RB_Right | 18.72          | 16.42                | 17.82                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 16QAM      | Outer_Full     | 19.05          | 16.75                | 18.15                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 64QAM      | Inner_Full     | 18.86          | 16.56                | 17.96                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 64QAM      | Edge_1RB_Left  | 18.21          | 15.91                | 17.31                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 64QAM      | Edge_1RB_Right | 18.36          | 16.06                | 17.46                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 64QAM      | Outer_Full     | 18.58          | 16.28                | 17.68                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 256QAM     | Inner_Full     | 15.79          | 13.49                | 14.89                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 256QAM     | Edge_1RB_Left  | 14.94          | 12.64                | 14.04                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 256QAM     | Edge_1RB_Right | 15.12          | 12.82                | 14.22                |
| DC_7A-n66A | 40          | 15           | 1745          | CP   | 256QAM     | Outer_Full     | 15.55          | 13.25                | 14.65                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | pi/2 BPSK  | Inner_Full     | 22.08          | 19.78                | 21.18                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | pi/2 BPSK  | Edge_1RB_Left  | 21.12          | 18.82                | 20.22                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | pi/2 BPSK  | Edge_1RB_Right | 20.96          | 18.66                | 20.06                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | pi/2 BPSK  | Outer_Full     | 21.47          | 19.17                | 20.57                |



## No. I22N01710-RF-NR

| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | QPSK       | Inner_Full     | 22.07          | 19.77                | 21.17                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | QPSK       | Edge_1RB_Left  | 20.61          | 18.31                | 19.71                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | QPSK       | Edge_1RB_Right | 20.41          | 18.11                | 19.51                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | QPSK       | Outer_Full     | 20.92          | 18.62                | 20.02                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 16QAM      | Inner_Full     | 21.15          | 18.85                | 20.25                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 16QAM      | Edge_1RB_Left  | 19.56          | 17.26                | 18.66                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 16QAM      | Edge_1RB_Right | 19.27          | 16.97                | 18.37                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 16QAM      | Outer_Full     | 19.97          | 17.67                | 19.07                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 64QAM      | Inner_Full     | 19.59          | 17.29                | 18.69                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 64QAM      | Edge_1RB_Left  | 19.34          | 17.04                | 18.44                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 64QAM      | Edge_1RB_Right | 19.19          | 16.89                | 18.29                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 64QAM      | Outer_Full     | 19.45          | 17.15                | 18.55                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 256QAM     | Inner_Full     | 17.68          | 15.38                | 16.78                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 256QAM     | Edge_1RB_Left  | 17.11          | 14.81                | 16.21                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 256QAM     | Edge_1RB_Right | 16.93          | 14.63                | 16.03                |
| DC_7A-n66A | 40          | 15           | 1760          | DFT  | 256QAM     | Outer_Full     | 17.55          | 15.25                | 16.65                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | QPSK       | Inner_Full     | 20.55          | 18.25                | 19.65                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | QPSK       | Edge_1RB_Left  | 18.8           | 16.5                 | 17.9                 |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | QPSK       | Edge_1RB_Right | 18.69          | 16.39                | 17.79                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | QPSK       | Outer_Full     | 19.01          | 16.71                | 18.11                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 16QAM      | Inner_Full     | 20.1           | 17.8                 | 19.2                 |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 16QAM      | Edge_1RB_Left  | 18.64          | 16.34                | 17.74                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 16QAM      | Edge_1RB_Right | 18.56          | 16.26                | 17.66                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 16QAM      | Outer_Full     | 19.08          | 16.78                | 18.18                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 64QAM      | Inner_Full     | 18.7           | 16.4                 | 17.8                 |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 64QAM      | Edge_1RB_Left  | 18.32          | 16.02                | 17.42                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 64QAM      | Edge_1RB_Right | 18.17          | 15.87                | 17.27                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 64QAM      | Outer_Full     | 18.59          | 16.29                | 17.69                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 256QAM     | Inner_Full     | 15.63          | 13.33                | 14.73                |



No. I22N01710-RF-NR

| BAND       | BW<br>(MHz) | SCS<br>(kHz) | FREQ<br>(MHz) | OFDM | MODULATION | RB LOCATION    | POWER<br>(dBm) | EIRP(dBm)<br>(Upper) | EIRP(dBm)<br>(Lower) |
|------------|-------------|--------------|---------------|------|------------|----------------|----------------|----------------------|----------------------|
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 256QAM     | Edge_1RB_Left  | 15.18          | 12.88                | 14.28                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 256QAM     | Edge_1RB_Right | 15.07          | 12.77                | 14.17                |
| DC_7A-n66A | 40          | 15           | 1760          | CP   | 256QAM     | Outer_Full     | 15.57          | 13.27                | 14.67                |

## **A.2 FIELD STRENGTH OF SPURIOUS RADIATION**

### **Reference**

FCC: CFR 2.1053, 22.917, 27.53.

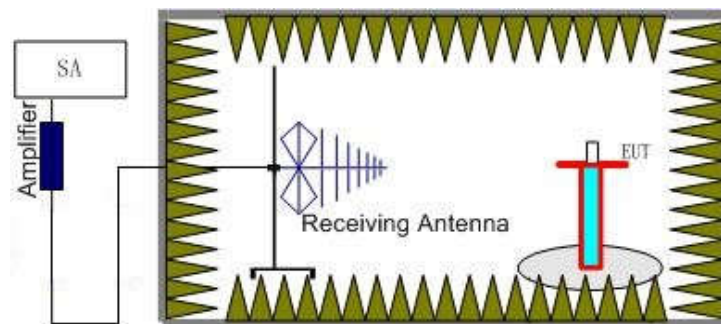
### **A.2.1 Measurement Method**

This measurement is carried out in fully-anechoic chamber FAC-3.

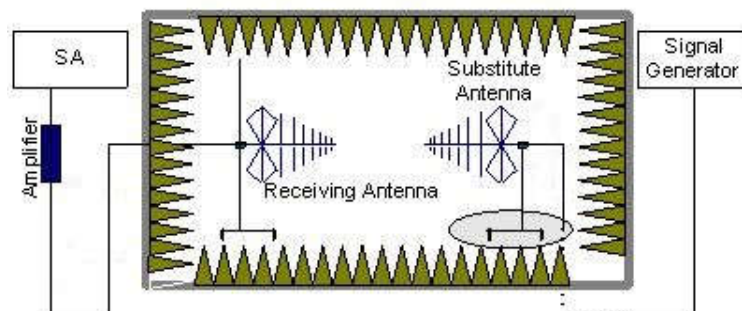
The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz as outlined in Part 22.917, 27.53(h) . The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of the NR Band.

**The procedure of radiated spurious emissions is as follows:**

1. For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, EUT was placed on a 80 cm high non-conductive stand at a 3 meter test distance from the receive antenna. For radiated measurements performed at frequencies above 1 GHz, EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. Receiving antenna was placed on the antenna mast 3 meters from the EUT. For emission measurements. The receiving antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).
3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power ( $P_{Mea}$ ) is applied to the input of the substitution antenna and adjusts the level of the signal generator output until the value of the receiver reaches the previously recorded ( $P_r$ ). The power of signal source ( $P_{Mea}$ ) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. The Path loss ( $P_{pl}$ ) between the Signal Source with the Substitution Antenna and the Substitution Antenna Gain(dBi) ( $G_a$ ) should be recorded after test.

An amplifier should be connected in for the test.

The Path loss ( $P_{pl}$ ) is the summation of the cable loss and the gain of the amplifier.

The measurement results are obtained as described below:

$$\text{Power (EIRP)} = P_{Mea} - P_{pl} + G_a$$

5. This value is EIRP since the measurement is calibrated using an antenna of known gain (unit: dBi) and known input power.
6. ERP can be calculated from EIRP by subtracting the gain of the dipole,  $ERP = EIRP - 2.15\text{dB}$ .

#### **A.2.2 Measurement Results**

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of the NR Band. It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of the NR Band into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this.

Only worst case result is given below.

**Upper antenna****DC\_7A\_n5A, LTE 5MHz+NR 1.4MHz,DFT-OFDM, QPSK, Channel NR 165300**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 3297.75        | -53.51                 | 1.10      | 11.50        | -43.11        | -13.00      | V            |
| 4629.00        | -57.01                 | 1.30      | 12.50        | -45.81        | -13.00      | V            |
| 5745.38        | -56.44                 | 1.50      | 13.10        | -44.84        | -13.00      | V            |
| 6521.71        | -59.06                 | 1.70      | 12.40        | -48.36        | -13.00      | V            |
| 7920.71        | -57.84                 | 1.70      | 11.30        | -48.24        | -13.00      | V            |
| 9455.57        | -58.21                 | 2.10      | 11.60        | -48.71        | -13.00      | V            |

**DC\_7A\_n5A, LTE 5MHz+NR 1.4MHz,DFT-OFDM, QPSK, Channel NR 167300**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 4579.88        | -57.28                 | 1.30      | 12.50        | -46.08        | -13.00      | H            |
| 5533.88        | -56.49                 | 1.40      | 13.10        | -44.79        | -13.00      | H            |
| 6619.71        | -58.89                 | 1.70      | 12.40        | -48.19        | -13.00      | V            |
| 7662.57        | -57.60                 | 1.80      | 11.30        | -48.10        | -13.00      | V            |
| 8838.43        | -58.12                 | 1.90      | 12.00        | -48.02        | -13.00      | V            |
| 9465.00        | -57.82                 | 2.10      | 11.60        | -48.32        | -13.00      | V            |

**DC\_7A\_n5A, LTE 5MHz+NR 1.4MHz,DFT-OFDM, QPSK, Channel NR 169300**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 3378.00        | -52.34                 | 1.10      | 11.50        | -41.94        | -13.00      | V            |
| 4630.50        | -56.72                 | 1.30      | 12.50        | -45.52        | -13.00      | V            |
| 5295.38        | -56.39                 | 1.60      | 12.50        | -45.49        | -13.00      | V            |
| 6601.86        | -57.31                 | 1.70      | 12.40        | -46.61        | -13.00      | V            |
| 7945.00        | -58.10                 | 1.90      | 11.30        | -48.70        | -13.00      | V            |
| 9453.29        | -57.44                 | 2.10      | 11.60        | -47.94        | -13.00      | V            |

**DC\_2A\_n7A, LTE 1.4MHz+NR 5MHz,DFT-OFDM, QPSK, Channel NR 500500**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 3756.00        | -52.62                 | 1.10      | 12.20        | -41.52        | -25.00      | V            |
| 5634.00        | -57.08                 | 1.30      | 13.10        | -45.28        | -25.00      | V            |
| 8244.92        | -57.62                 | 1.90      | 11.30        | -48.22        | -25.00      | V            |
| 10418.77       | -56.10                 | 2.30      | 11.30        | -47.10        | -25.00      | H            |
| 12627.69       | -57.28                 | 2.40      | 13.80        | -45.88        | -25.00      | H            |
| 14893.38       | -50.91                 | 2.70      | 11.20        | -42.41        | -25.00      | V            |

**DC\_2A\_n7A, LTE 1.4MHz+NR 5MHz,DFT-OFDM, QPSK, Channel NR 507000**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 3756.00        | -46.29                 | 1.10      | 12.20        | -35.19        | -25.00      | H            |
| 5634.00        | -44.03                 | 1.30      | 13.10        | -32.23        | -25.00      | H            |
| 7512.00        | -45.75                 | 1.90      | 11.30        | -36.35        | -25.00      | H            |
| 9390.00        | -47.83                 | 2.10      | 11.60        | -38.33        | -25.00      | H            |
| 13394.31       | -55.88                 | 2.30      | 13.30        | -44.88        | -25.00      | H            |
| 16947.69       | -53.15                 | 2.90      | 16.50        | -39.55        | -25.00      | V            |

**DC\_2A\_n7A, LTE 1.4MHz+NR 5MHz,DFT-OFDM, QPSK, Channel NR 513500**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 3759.38        | -44.46                 | 1.10      | 12.20        | -33.36        | -25.00      | V            |
| 5638.88        | -40.77                 | 1.30      | 13.10        | -28.97        | -25.00      | H            |
| 7518.00        | -45.37                 | 1.90      | 11.30        | -35.97        | -25.00      | V            |
| 9397.38        | -49.70                 | 2.10      | 11.60        | -40.20        | -25.00      | H            |
| 13258.62       | -55.48                 | 2.40      | 13.30        | -44.58        | -25.00      | V            |
| 16973.08       | -54.00                 | 2.90      | 16.50        | -40.40        | -25.00      | H            |

**n38, 20MHz,DFT-OFDM, QPSK, Channel 515000**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 5996.25        | -56.29                 | 1.50      | 13.10        | -44.69        | -25.00      | V            |
| 8231.08        | -57.89                 | 2.20      | 11.30        | -48.79        | -25.00      | H            |
| 10408.62       | -56.13                 | 2.30      | 11.30        | -47.13        | -25.00      | V            |
| 13588.62       | -55.25                 | 2.40      | 12.40        | -45.25        | -25.00      | H            |
| 16147.85       | -56.10                 | 2.60      | 17.40        | -41.30        | -25.00      | H            |
| 17292.46       | -51.95                 | 3.20      | 14.50        | -40.65        | -25.00      | H            |

**n38, 20MHz,DFT-OFDM, QPSK, Channel 519000**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 10528.62       | -55.53                 | 2.30      | 10.80        | -47.03        | -25.00      | H            |
| 11460.00       | -54.60                 | 2.60      | 10.50        | -46.70        | -25.00      | V            |
| 12193.38       | -55.42                 | 2.60      | 12.60        | -45.42        | -25.00      | V            |
| 13370.31       | -55.87                 | 2.30      | 13.30        | -44.87        | -25.00      | V            |
| 14963.08       | -51.25                 | 2.70      | 11.20        | -42.75        | -25.00      | H            |
| 16889.08       | -53.92                 | 2.90      | 16.50        | -40.32        | -25.00      | V            |

**n38, 20MHz,DFT-OFDM, QPSK, Channel 523000**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 4835.25        | -57.99                 | 1.30      | 12.50        | -46.79        | -25.00      | V            |
| 5998.12        | -56.59                 | 1.50      | 13.10        | -44.99        | -25.00      | V            |
| 8243.54        | -57.53                 | 2.20      | 11.30        | -48.43        | -25.00      | V            |
| 10456.15       | -56.06                 | 2.30      | 11.30        | -47.06        | -25.00      | V            |
| 13543.38       | -54.67                 | 2.50      | 12.40        | -44.77        | -25.00      | H            |
| 16988.77       | -54.38                 | 2.90      | 16.50        | -40.78        | -25.00      | V            |

**n41, 20MHz,DFT-OFDM, QPSK, Channel 500202**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 4524.75        | -57.90                 | 1.20      | 12.50        | -46.60        | -25.00      | H            |
| 5991.00        | -56.07                 | 1.50      | 13.10        | -44.47        | -25.00      | V            |
| 8914.62        | -58.58                 | 1.90      | 12.00        | -48.48        | -25.00      | V            |
| 12905.08       | -55.68                 | 2.50      | 13.80        | -44.38        | -25.00      | H            |
| 15186.92       | -53.86                 | 2.50      | 12.40        | -43.96        | -25.00      | H            |
| 17041.85       | -51.63                 | 2.90      | 14.50        | -40.03        | -25.00      | H            |

**n41, 20MHz,DFT-OFDM, QPSK, Channel 518598**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 4627.12        | -56.95                 | 1.30      | 12.50        | -45.75        | -25.00      | V            |
| 5956.50        | -55.63                 | 1.50      | 13.10        | -44.03        | -25.00      | V            |
| 8922.46        | -58.63                 | 1.90      | 12.00        | -48.53        | -25.00      | H            |
| 10415.54       | -54.80                 | 2.30      | 11.30        | -45.80        | -25.00      | V            |
| 12822.00       | -55.85                 | 2.70      | 13.80        | -44.75        | -25.00      | V            |
| 17109.69       | -51.36                 | 2.90      | 14.50        | -39.76        | -25.00      | H            |

**n41, 20MHz,DFT-OFDM, QPSK, Channel 537000**

| Frequency(MHz) | P <sub>Mea</sub> (dBm) | Path Loss | Antenna Gain | Peak ERP(dBm) | Limit (dBm) | Polarization |
|----------------|------------------------|-----------|--------------|---------------|-------------|--------------|
| 4502.25        | -58.45                 | 1.20      | 12.50        | -47.15        | -25.00      | H            |
| 5965.88        | -56.20                 | 1.50      | 13.10        | -44.60        | -25.00      | V            |
| 8938.15        | -57.89                 | 2.00      | 12.00        | -47.89        | -25.00      | V            |
| 10915.38       | -54.67                 | 2.40      | 10.80        | -46.27        | -25.00      | V            |
| 15909.23       | -54.34                 | 2.60      | 15.60        | -41.34        | -25.00      | H            |
| 17073.23       | -51.75                 | 2.90      | 14.50        | -40.15        | -25.00      | V            |