



Report No.: SEWM2210000221RG02

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# Appendix B.27

## NR Band n12



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## Effective (Isotropic) Radiated Power Output Data for SA

### Test Result

| Band | SCS | Bandwidth | Modulation  | Channel | RB Config       | Power (dBm) | ERP   | LIMIT | Verdict |
|------|-----|-----------|-------------|---------|-----------------|-------------|-------|-------|---------|
| N12  | 15  | 5         | DFT-PI2BPSK | L       | Inner_1RB_Left  | 22.79       | 21.04 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-PI2BPSK | L       | Inner_1RB_Right | 22.82       | 21.07 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-PI2BPSK | L       | Outer_Full      | 22.76       | 21.01 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-QPSK    | L       | Inner_1RB_Left  | 22.66       | 20.91 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-QPSK    | L       | Inner_1RB_Right | 22.7        | 20.95 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-QPSK    | L       | Outer_Full      | 22.75       | 21    | 34.77 | pass    |
| N12  | 15  | 5         | DFT-16QAM   | L       | Inner_1RB_Left  | 22.77       | 21.02 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-16QAM   | L       | Inner_1RB_Right | 22.77       | 21.02 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-16QAM   | L       | Outer_Full      | 21.7        | 19.95 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-64QAM   | L       | Inner_1RB_Left  | 21.25       | 19.5  | 34.77 | pass    |
| N12  | 15  | 5         | DFT-64QAM   | L       | Inner_1RB_Right | 21.22       | 19.47 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-64QAM   | L       | Outer_Full      | 21.25       | 19.5  | 34.77 | pass    |
| N12  | 15  | 5         | DFT-256QAM  | L       | Inner_1RB_Left  | 19.17       | 17.42 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-256QAM  | L       | Inner_1RB_Right | 19.38       | 17.63 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-256QAM  | L       | Outer_Full      | 19.17       | 17.42 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-PI2BPSK | M       | Inner_1RB_Left  | 22.73       | 20.98 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-PI2BPSK | M       | Inner_1RB_Right | 22.93       | 21.18 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-PI2BPSK | M       | Outer_Full      | 22.79       | 21.04 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-QPSK    | M       | Inner_1RB_Left  | 22.62       | 20.87 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-QPSK    | M       | Inner_1RB_Right | 22.86       | 21.11 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-QPSK    | M       | Outer_Full      | 22.86       | 21.11 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-16QAM   | M       | Inner_1RB_Left  | 22.79       | 21.04 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-16QAM   | M       | Inner_1RB_Right | 22.8        | 21.05 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-16QAM   | M       | Outer_Full      | 21.78       | 20.03 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-64QAM   | M       | Inner_1RB_Left  | 21.16       | 19.41 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-64QAM   | M       | Inner_1RB_Right | 21.3        | 19.55 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-64QAM   | M       | Outer_Full      | 21.34       | 19.59 | 34.77 | pass    |
| N12  | 15  | 5         | DFT-256QAM  | M       | Inner_1RB_Left  | 19.23       | 17.48 | 34.77 | pass    |



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|-----|----|----|-------------|---|-----------------|-------|-------|-------|------|
| N12 | 15 | 5  | DFT-256QAM  | M | Inner_1RB_Right | 19.52 | 17.77 | 34.77 | pass |
| N12 | 15 | 5  | DFT-256QAM  | M | Outer_Full      | 19.28 | 17.53 | 34.77 | pass |
| N12 | 15 | 5  | DFT-PI2BPSK | H | Inner_1RB_Left  | 22.93 | 21.18 | 34.77 | pass |
| N12 | 15 | 5  | DFT-PI2BPSK | H | Inner_1RB_Right | 23.06 | 21.31 | 34.77 | pass |
| N12 | 15 | 5  | DFT-PI2BPSK | H | Outer_Full      | 23    | 21.25 | 34.77 | pass |
| N12 | 15 | 5  | DFT-QPSK    | H | Inner_1RB_Left  | 22.87 | 21.12 | 34.77 | pass |
| N12 | 15 | 5  | DFT-QPSK    | H | Inner_1RB_Right | 22.91 | 21.16 | 34.77 | pass |
| N12 | 15 | 5  | DFT-QPSK    | H | Outer_Full      | 22.98 | 21.23 | 34.77 | pass |
| N12 | 15 | 5  | DFT-16QAM   | H | Inner_1RB_Left  | 22.99 | 21.24 | 34.77 | pass |
| N12 | 15 | 5  | DFT-16QAM   | H | Inner_1RB_Right | 23.08 | 21.33 | 34.77 | pass |
| N12 | 15 | 5  | DFT-16QAM   | H | Outer_Full      | 21.99 | 20.24 | 34.77 | pass |
| N12 | 15 | 5  | DFT-64QAM   | H | Inner_1RB_Left  | 21.45 | 19.7  | 34.77 | pass |
| N12 | 15 | 5  | DFT-64QAM   | H | Inner_1RB_Right | 21.49 | 19.74 | 34.77 | pass |
| N12 | 15 | 5  | DFT-64QAM   | H | Outer_Full      | 21.49 | 19.74 | 34.77 | pass |
| N12 | 15 | 5  | DFT-256QAM  | H | Inner_1RB_Left  | 19.47 | 17.72 | 34.77 | pass |
| N12 | 15 | 5  | DFT-256QAM  | H | Inner_1RB_Right | 19.6  | 17.85 | 34.77 | pass |
| N12 | 15 | 5  | DFT-256QAM  | H | Outer_Full      | 19.48 | 17.73 | 34.77 | pass |
| N12 | 15 | 10 | DFT-PI2BPSK | L | Inner_1RB_Left  | 22.81 | 21.06 | 34.77 | pass |
| N12 | 15 | 10 | DFT-PI2BPSK | L | Inner_1RB_Right | 22.81 | 21.06 | 34.77 | pass |
| N12 | 15 | 10 | DFT-PI2BPSK | L | Outer_Full      | 22.84 | 21.09 | 34.77 | pass |
| N12 | 15 | 10 | DFT-QPSK    | L | Inner_1RB_Left  | 22.72 | 20.97 | 34.77 | pass |
| N12 | 15 | 10 | DFT-QPSK    | L | Inner_1RB_Right | 22.75 | 21    | 34.77 | pass |
| N12 | 15 | 10 | DFT-QPSK    | L | Outer_Full      | 22.82 | 21.07 | 34.77 | pass |
| N12 | 15 | 10 | DFT-16QAM   | L | Inner_1RB_Left  | 22.78 | 21.03 | 34.77 | pass |
| N12 | 15 | 10 | DFT-16QAM   | L | Inner_1RB_Right | 22.96 | 21.21 | 34.77 | pass |
| N12 | 15 | 10 | DFT-16QAM   | L | Outer_Full      | 21.84 | 20.09 | 34.77 | pass |
| N12 | 15 | 10 | DFT-64QAM   | L | Inner_1RB_Left  | 21.35 | 19.6  | 34.77 | pass |
| N12 | 15 | 10 | DFT-64QAM   | L | Inner_1RB_Right | 21.21 | 19.46 | 34.77 | pass |
| N12 | 15 | 10 | DFT-64QAM   | L | Outer_Full      | 21.36 | 19.61 | 34.77 | pass |
| N12 | 15 | 10 | DFT-256QAM  | L | Inner_1RB_Left  | 19.19 | 17.44 | 34.77 | pass |
| N12 | 15 | 10 | DFT-256QAM  | L | Inner_1RB_Right | 19.43 | 17.68 | 34.77 | pass |
| N12 | 15 | 10 | DFT-256QAM  | L | Outer_Full      | 19.31 | 17.56 | 34.77 | pass |
| N12 | 15 | 10 | DFT-PI2BPSK | M | Inner_1RB_Left  | 22.82 | 21.07 | 34.77 | pass |



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|-----|----|----|-------------|---|-----------------|-------|-------|-------|------|
| N12 | 15 | 10 | DFT-PI2BPSK | M | Inner_1RB_Right | 23.02 | 21.27 | 34.77 | pass |
| N12 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full      | 22.79 | 21.04 | 34.77 | pass |
| N12 | 15 | 10 | DFT-QPSK    | M | Inner_1RB_Left  | 22.69 | 20.94 | 34.77 | pass |
| N12 | 15 | 10 | DFT-QPSK    | M | Inner_1RB_Right | 22.97 | 21.22 | 34.77 | pass |
| N12 | 15 | 10 | DFT-QPSK    | M | Outer_Full      | 22.79 | 21.04 | 34.77 | pass |
| N12 | 15 | 10 | DFT-16QAM   | M | Inner_1RB_Left  | 22.97 | 21.22 | 34.77 | pass |
| N12 | 15 | 10 | DFT-16QAM   | M | Inner_1RB_Right | 22.89 | 21.14 | 34.77 | pass |
| N12 | 15 | 10 | DFT-16QAM   | M | Outer_Full      | 21.81 | 20.06 | 34.77 | pass |
| N12 | 15 | 10 | DFT-64QAM   | M | Inner_1RB_Left  | 21.33 | 19.58 | 34.77 | pass |
| N12 | 15 | 10 | DFT-64QAM   | M | Inner_1RB_Right | 21.46 | 19.71 | 34.77 | pass |
| N12 | 15 | 10 | DFT-64QAM   | M | Outer_Full      | 21.32 | 19.57 | 34.77 | pass |
| N12 | 15 | 10 | DFT-256QAM  | M | Inner_1RB_Left  | 19.23 | 17.48 | 34.77 | pass |
| N12 | 15 | 10 | DFT-256QAM  | M | Inner_1RB_Right | 19.65 | 17.9  | 34.77 | pass |
| N12 | 15 | 10 | DFT-256QAM  | M | Outer_Full      | 19.28 | 17.53 | 34.77 | pass |
| N12 | 15 | 10 | DFT-PI2BPSK | H | Inner_1RB_Left  | 22.78 | 21.03 | 34.77 | pass |
| N12 | 15 | 10 | DFT-PI2BPSK | H | Inner_1RB_Right | 23.03 | 21.28 | 34.77 | pass |
| N12 | 15 | 10 | DFT-PI2BPSK | H | Outer_Full      | 22.96 | 21.21 | 34.77 | pass |
| N12 | 15 | 10 | DFT-QPSK    | H | Inner_1RB_Left  | 22.68 | 20.93 | 34.77 | pass |
| N12 | 15 | 10 | DFT-QPSK    | H | Inner_1RB_Right | 22.89 | 21.14 | 34.77 | pass |
| N12 | 15 | 10 | DFT-QPSK    | H | Outer_Full      | 22.94 | 21.19 | 34.77 | pass |
| N12 | 15 | 10 | DFT-16QAM   | H | Inner_1RB_Left  | 22.74 | 20.99 | 34.77 | pass |
| N12 | 15 | 10 | DFT-16QAM   | H | Inner_1RB_Right | 23.1  | 21.35 | 34.77 | pass |
| N12 | 15 | 10 | DFT-16QAM   | H | Outer_Full      | 21.96 | 20.21 | 34.77 | pass |
| N12 | 15 | 10 | DFT-64QAM   | H | Inner_1RB_Left  | 21.2  | 19.45 | 34.77 | pass |
| N12 | 15 | 10 | DFT-64QAM   | H | Inner_1RB_Right | 21.48 | 19.73 | 34.77 | pass |
| N12 | 15 | 10 | DFT-64QAM   | H | Outer_Full      | 21.46 | 19.71 | 34.77 | pass |
| N12 | 15 | 10 | DFT-256QAM  | H | Inner_1RB_Left  | 19.29 | 17.54 | 34.77 | pass |
| N12 | 15 | 10 | DFT-256QAM  | H | Inner_1RB_Right | 19.6  | 17.85 | 34.77 | pass |
| N12 | 15 | 10 | DFT-256QAM  | H | Outer_Full      | 19.42 | 17.67 | 34.77 | pass |
| N12 | 15 | 15 | DFT-PI2BPSK | L | Inner_1RB_Left  | 22.88 | 21.13 | 34.77 | pass |
| N12 | 15 | 15 | DFT-PI2BPSK | L | Inner_1RB_Right | 23.16 | 21.41 | 34.77 | pass |
| N12 | 15 | 15 | DFT-PI2BPSK | L | Outer_Full      | 23.03 | 21.28 | 34.77 | pass |
| N12 | 15 | 15 | DFT-QPSK    | L | Inner_1RB_Left  | 22.84 | 21.09 | 34.77 | pass |



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|-----|----|----|-------------|---|-----------------|-------|-------|-------|------|
| N12 | 15 | 15 | DFT-QPSK    | L | Inner_1RB_Right | 22.98 | 21.23 | 34.77 | pass |
| N12 | 15 | 15 | DFT-QPSK    | L | Outer_Full      | 22.99 | 21.24 | 34.77 | pass |
| N12 | 15 | 15 | DFT-16QAM   | L | Inner_1RB_Left  | 22.83 | 21.08 | 34.77 | pass |
| N12 | 15 | 15 | DFT-16QAM   | L | Inner_1RB_Right | 22.97 | 21.22 | 34.77 | pass |
| N12 | 15 | 15 | DFT-16QAM   | L | Outer_Full      | 22.05 | 20.3  | 34.77 | pass |
| N12 | 15 | 15 | DFT-64QAM   | L | Inner_1RB_Left  | 21.21 | 19.46 | 34.77 | pass |
| N12 | 15 | 15 | DFT-64QAM   | L | Inner_1RB_Right | 21.66 | 19.91 | 34.77 | pass |
| N12 | 15 | 15 | DFT-64QAM   | L | Outer_Full      | 21.5  | 19.75 | 34.77 | pass |
| N12 | 15 | 15 | DFT-256QAM  | L | Inner_1RB_Left  | 19.49 | 17.74 | 34.77 | pass |
| N12 | 15 | 15 | DFT-256QAM  | L | Inner_1RB_Right | 19.69 | 17.94 | 34.77 | pass |
| N12 | 15 | 15 | DFT-256QAM  | L | Outer_Full      | 19.5  | 17.75 | 34.77 | pass |
| N12 | 15 | 15 | DFT-PI2BPSK | M | Inner_1RB_Left  | 22.86 | 21.11 | 34.77 | pass |
| N12 | 15 | 15 | DFT-PI2BPSK | M | Inner_1RB_Right | 23.12 | 21.37 | 34.77 | pass |
| N12 | 15 | 15 | DFT-PI2BPSK | M | Outer_Full      | 23    | 21.25 | 34.77 | pass |
| N12 | 15 | 15 | DFT-QPSK    | M | Inner_1RB_Left  | 22.78 | 21.03 | 34.77 | pass |
| N12 | 15 | 15 | DFT-QPSK    | M | Inner_1RB_Right | 22.99 | 21.24 | 34.77 | pass |
| N12 | 15 | 15 | DFT-QPSK    | M | Outer_Full      | 23.06 | 21.31 | 34.77 | pass |
| N12 | 15 | 15 | DFT-16QAM   | M | Inner_1RB_Left  | 22.82 | 21.07 | 34.77 | pass |
| N12 | 15 | 15 | DFT-16QAM   | M | Inner_1RB_Right | 23.07 | 21.32 | 34.77 | pass |
| N12 | 15 | 15 | DFT-16QAM   | M | Outer_Full      | 21.99 | 20.24 | 34.77 | pass |
| N12 | 15 | 15 | DFT-64QAM   | M | Inner_1RB_Left  | 21.37 | 19.62 | 34.77 | pass |
| N12 | 15 | 15 | DFT-64QAM   | M | Inner_1RB_Right | 21.52 | 19.77 | 34.77 | pass |
| N12 | 15 | 15 | DFT-64QAM   | M | Outer_Full      | 21.5  | 19.75 | 34.77 | pass |
| N12 | 15 | 15 | DFT-256QAM  | M | Inner_1RB_Left  | 19.52 | 17.77 | 34.77 | pass |
| N12 | 15 | 15 | DFT-256QAM  | M | Inner_1RB_Right | 19.68 | 17.93 | 34.77 | pass |
| N12 | 15 | 15 | DFT-256QAM  | M | Outer_Full      | 19.53 | 17.78 | 34.77 | pass |
| N12 | 15 | 15 | DFT-PI2BPSK | H | Inner_1RB_Left  | 22.87 | 21.12 | 34.77 | pass |
| N12 | 15 | 15 | DFT-PI2BPSK | H | Inner_1RB_Right | 23.08 | 21.33 | 34.77 | pass |
| N12 | 15 | 15 | DFT-PI2BPSK | H | Outer_Full      | 23.08 | 21.33 | 34.77 | pass |
| N12 | 15 | 15 | DFT-QPSK    | H | Inner_1RB_Left  | 22.77 | 21.02 | 34.77 | pass |
| N12 | 15 | 15 | DFT-QPSK    | H | Inner_1RB_Right | 22.93 | 21.18 | 34.77 | pass |
| N12 | 15 | 15 | DFT-QPSK    | H | Outer_Full      | 23.02 | 21.27 | 34.77 | pass |
| N12 | 15 | 15 | DFT-16QAM   | H | Inner_1RB_Left  | 22.83 | 21.08 | 34.77 | pass |



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|-----|----|----|------------|---|-----------------|-------|-------|-------|------|
| N12 | 15 | 15 | DFT-16QAM  | H | Inner_1RB_Right | 23.1  | 21.35 | 34.77 | pass |
| N12 | 15 | 15 | DFT-16QAM  | H | Outer_Full      | 22.06 | 20.31 | 34.77 | pass |
| N12 | 15 | 15 | DFT-64QAM  | H | Inner_1RB_Left  | 21.43 | 19.68 | 34.77 | pass |
| N12 | 15 | 15 | DFT-64QAM  | H | Inner_1RB_Right | 21.56 | 19.81 | 34.77 | pass |
| N12 | 15 | 15 | DFT-64QAM  | H | Outer_Full      | 21.58 | 19.83 | 34.77 | pass |
| N12 | 15 | 15 | DFT-256QAM | H | Inner_1RB_Left  | 19.5  | 17.75 | 34.77 | pass |
| N12 | 15 | 15 | DFT-256QAM | H | Inner_1RB_Right | 19.76 | 18.01 | 34.77 | pass |
| N12 | 15 | 15 | DFT-256QAM | H | Outer_Full      | 19.56 | 17.81 | 34.77 | pass |



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**Field Strength of Spurious Radiation****Test Band = 5G NR SA n12\_ TM1****Test Channel = Low****Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| 1   | 1398.8571       | 58.41          | -48.00      | 25.62    | -59.23      | -13.00      | 46.23       | 211         | 360       | Horizontal |
| 2   | 2098.2857       | 68.94          | -47.71      | 26.98    | -47.05      | -13.00      | 34.05       | 132         | 116       | Horizontal |
| 3   | 2799.3600       | 43.41          | -46.92      | 28.48    | -70.29      | -13.00      | 57.29       | 156         | 360       | Horizontal |
| 4   | 3497.1429       | 49.60          | -46.54      | 29.52    | -62.68      | -13.00      | 49.68       | 145         | 350       | Horizontal |
| 5   | 4199.0400       | 41.31          | -45.96      | 31.10    | -68.81      | -13.00      | 55.81       | 186         | 196       | Horizontal |
| 6   | 4904            | 52.38          | -45.59      | 32.61    | -55.86      | -13.00      | 42.86       | 190         | 251       | Horizontal |

**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| 1   | 1398.8571       | 56.24          | -48.00      | 25.62    | -61.40      | -13.00      | 48.40       | 216         | 216       | Vertical |
| 2   | 2098.2857       | 69.52          | -47.71      | 26.98    | -46.47      | -13.00      | 33.47       | 199         | 281       | Vertical |
| 3   | 2799.3600       | 43.97          | -46.92      | 28.48    | -69.73      | -13.00      | 56.73       | 135         | 148       | Vertical |
| 4   | 3497.1429       | 48.53          | -46.54      | 29.52    | -63.75      | -13.00      | 50.75       | 255         | 269       | Vertical |
| 5   | 4199.0400       | 41.49          | -45.96      | 31.10    | -68.63      | -13.00      | 55.63       | 175         | 2         | Vertical |
| 6   | 4898.8800       | 41.94          | -45.58      | 32.60    | -66.30      | -13.00      | 53.30       | 136         | 0         | Vertical |



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**Test Band = 5G NR SA n12\_ TM1**
**Test Channel = Mid**
**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| 1   | 1401.1429       | 57.30          | -48.00      | 25.62    | -60.35      | -13.00      | 47.35       | 233         | 25        | Horizontal |
| 2   | 2101.7143       | 64.85          | -47.71      | 27.00    | -51.12      | -13.00      | 38.12       | 245         | 108       | Horizontal |
| 3   | 2803.3600       | 43.78          | -46.91      | 28.49    | -69.89      | -13.00      | 56.89       | 165         | 213       | Horizontal |
| 4   | 3502.2857       | 50.37          | -46.54      | 29.52    | -61.90      | -13.00      | 48.90       | 129         | 345       | Horizontal |
| 5   | 4205.0400       | 41.95          | -45.95      | 31.11    | -68.15      | -13.00      | 55.15       | 190         | 96        | Horizontal |
| 6   | 4904            | 52.34          | -45.59      | 32.61    | -55.90      | -13.00      | 42.90       | 106         | 254       | Horizontal |

**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| 1   | 1401.6800       | 49.09          | -48.01      | 25.62    | -68.56      | -13.00      | 55.56       | 254         | 216       | Vertical |
| 2   | 2102.5200       | 43.17          | -47.71      | 27.00    | -72.80      | -13.00      | 59.80       | 166         | 216       | Vertical |
| 3   | 2803.3600       | 43.02          | -46.91      | 28.49    | -70.65      | -13.00      | 57.65       | 284         | 0         | Vertical |
| 4   | 3504.2000       | 43.12          | -46.53      | 29.52    | -69.15      | -13.00      | 56.15       | 175         | 335       | Vertical |
| 5   | 4205.0400       | 42.13          | -45.95      | 31.11    | -67.97      | -13.00      | 54.97       | 169         | 84        | Vertical |
| 6   | 4905.8800       | 41.88          | -45.59      | 32.62    | -66.36      | -13.00      | 53.36       | 123         | 357       | Vertical |



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Test Band = 5G NR SA n12\_ TM1

Test Channel = High

## Final Data List

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| 1   | 1402.8571       | 60.02          | -48.01      | 25.62    | -57.63      | -13.00      | 44.63       | 256         | 360       | Horizontal |
| 2   | 2104.5714       | 62.79          | -47.71      | 27.01    | -53.17      | -13.00      | 40.17       | 145         | 185       | Horizontal |
| 3   | 2807.3600       | 43.82          | -46.89      | 28.51    | -69.82      | -13.00      | 56.82       | 136         | 53        | Horizontal |
| 4   | 3509.2000       | 43.11          | -46.52      | 29.53    | -69.14      | -13.00      | 56.14       | 299         | 159       | Horizontal |
| 5   | 4211.0400       | 41.53          | -45.94      | 31.12    | -68.55      | -13.00      | 55.55       | 109         | 13        | Horizontal |
| 6   | 4912.8800       | 41.92          | -45.61      | 32.64    | -66.31      | -13.00      | 53.31       | 148         | 185       | Horizontal |

## Final Data List

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| 1   | 1402.8571       | 58.16          | -48.01      | 25.62    | -59.49      | -13.00      | 46.49       | 241         | 217       | Vertical |
| 2   | 2104.5714       | 65.64          | -47.71      | 27.01    | -50.32      | -13.00      | 37.32       | 136         | 322       | Vertical |
| 3   | 2807.3600       | 44.19          | -46.89      | 28.51    | -69.45      | -13.00      | 56.45       | 255         | 41        | Vertical |
| 4   | 3509.2000       | 42.84          | -46.52      | 29.53    | -69.41      | -13.00      | 56.41       | 199         | 0         | Vertical |
| 5   | 4211.0400       | 41.47          | -45.94      | 31.12    | -68.61      | -13.00      | 55.61       | 144         | 110       | Vertical |
| 6   | 4912.8800       | 42.76          | -45.61      | 32.64    | -65.47      | -13.00      | 52.47       | 109         | 110       | Vertical |



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**Test Band = NSA 7A-n12A\_ TM1**
**Test Channel = Low**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1405.7143       | 63.55          | -48.02      | 25.61    | -54.12      | -13.00      | 41.12       | 255         | 1         | Horizontal |
| 2               | 2108.5714       | 73.10          | -47.71      | 27.02    | -42.85      | -13.00      | 29.85       | 142         | 212       | Horizontal |
| 3               | 2799.3600       | 43.52          | -46.92      | 28.48    | -70.18      | -13.00      | 57.18       | 155         | 356       | Horizontal |
| 4               | 3514.8571       | 49.12          | -46.51      | 29.53    | -63.12      | -13.00      | 50.12       | 136         | 185       | Horizontal |
| 5               | 4199.0400       | 41.17          | -45.96      | 31.10    | -68.95      | -13.00      | 55.95       | 256         | 320       | Horizontal |
| 6               | 4904            | 52.64          | -45.59      | 32.61    | -55.60      | -13.00      | 42.60       | 199         | 239       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1405.7143       | 56.58          | -48.02      | 25.61    | -61.09      | -13.00      | 48.09       | 255         | 210       | Vertical |
| 2               | 2108.5714       | 69.17          | -47.71      | 27.02    | -46.78      | -13.00      | 33.78       | 142         | 276       | Vertical |
| 3               | 2799.3600       | 43.83          | -46.92      | 28.48    | -69.87      | -13.00      | 56.87       | 135         | 118       | Vertical |
| 4               | 3499.2000       | 42.70          | -46.54      | 29.52    | -69.58      | -13.00      | 56.58       | 125         | 13        | Vertical |
| 5               | 4199.0400       | 41.79          | -45.96      | 31.10    | -68.33      | -13.00      | 55.33       | 199         | 355       | Vertical |
| 6               | 4904            | 46.77          | -45.59      | 32.61    | -61.47      | -13.00      | 48.47       | 175         | 53        | Vertical |



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**Test Band = NSA 7A-n12A\_ TM1**
**Test Channel = Mid**
**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| 1   | 1405.7143       | 65.75          | -48.02      | 25.61    | -51.92      | -13.00      | 38.92       | 255         | 0         | Horizontal |
| 2   | 2108.5714       | 64.05          | -47.71      | 27.02    | -51.90      | -13.00      | 38.90       | 148         | 215       | Horizontal |
| 3   | 2803.3600       | 43.96          | -46.91      | 28.49    | -69.71      | -13.00      | 56.71       | 152         | 122       | Horizontal |
| 4   | 3504.2000       | 43.18          | -46.53      | 29.52    | -69.09      | -13.00      | 56.09       | 169         | 94        | Horizontal |
| 5   | 4205.0400       | 41.96          | -45.95      | 31.11    | -68.14      | -13.00      | 55.14       | 198         | 94        | Horizontal |
| 6   | 4905.8800       | 42.47          | -45.59      | 32.62    | -65.77      | -13.00      | 52.77       | 175         | 322       | Horizontal |

**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| 1   | 1405.7143       | 55.20          | -48.02      | 25.61    | -62.47      | -13.00      | 49.47       | 233         | 345       | Vertical |
| 2   | 2108.5714       | 65.10          | -47.71      | 27.02    | -50.85      | -13.00      | 37.85       | 125         | 319       | Vertical |
| 3   | 2803.3600       | 43.51          | -46.91      | 28.49    | -70.16      | -13.00      | 57.16       | 145         | 93        | Vertical |
| 4   | 3504.2000       | 43.54          | -46.53      | 29.52    | -68.73      | -13.00      | 55.73       | 162         | 334       | Vertical |
| 5   | 4205.0400       | 41.43          | -45.95      | 31.11    | -68.67      | -13.00      | 55.67       | 175         | 254       | Vertical |
| 6   | 4905.8800       | 42.26          | -45.59      | 32.62    | -65.98      | -13.00      | 52.98       | 148         | 334       | Vertical |



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**Test Band = NSA 7A-n12A\_ TM1**
**Test Channel = High**
**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| 1   | 1403.6800       | 44.50          | -48.01      | 25.61    | -73.16      | -13.00      | 60.16       | 242         | 172       | Horizontal |
| 2   | 2108.5714       | 65.55          | -47.71      | 27.02    | -50.40      | -13.00      | 37.40       | 153         | 0         | Horizontal |
| 3   | 2807.3600       | 43.37          | -46.89      | 28.51    | -70.27      | -13.00      | 57.27       | 236         | 0         | Horizontal |
| 4   | 3509.2000       | 43.19          | -46.52      | 29.53    | -69.06      | -13.00      | 56.06       | 256         | 347       | Horizontal |
| 5   | 4211.0400       | 41.61          | -45.94      | 31.12    | -68.47      | -13.00      | 55.47       | 142         | 185       | Horizontal |
| 6   | 4904            | 52.69          | -45.59      | 32.61    | -55.55      | -13.00      | 42.55       | 155         | 239       | Horizontal |

**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| 1   | 1403.6800       | 44.49          | -48.01      | 25.61    | -73.17      | -13.00      | 60.17       | 241         | 360       | Vertical |
| 2   | 2105.5200       | 43.16          | -47.71      | 27.01    | -72.80      | -13.00      | 59.80       | 132         | 277       | Vertical |
| 3   | 2807.3600       | 43.85          | -46.89      | 28.51    | -69.79      | -13.00      | 56.79       | 156         | 332       | Vertical |
| 4   | 3509.2000       | 43.33          | -46.52      | 29.53    | -68.92      | -13.00      | 55.92       | 132         | 146       | Vertical |
| 5   | 4211.0400       | 41.68          | -45.94      | 31.12    | -68.40      | -13.00      | 55.40       | 258         | 344       | Vertical |
| 6   | 4912.8800       | 42.53          | -45.61      | 32.64    | -65.70      | -13.00      | 52.70       | 147         | 360       | Vertical |



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**Test Band = 5G NR CA n12A-n41A\_ TM1**
**Test Channel = Low**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1399.6800       | 35.44          | -25.24      | 25.62    | -59.44      | -25.00      | 34.44       | 125         | 4         | Horizontal |
| 2               | 2099.5200       | 36.64          | -24.20      | 26.99    | -55.83      | -25.00      | 30.83       | 135         | 4         | Horizontal |
| 3               | 2799.3600       | 37.34          | -22.56      | 28.48    | -52.00      | -25.00      | 27.00       | 125         | 360       | Horizontal |
| 4               | 5002.2000       | 41.94          | -45.63      | 32.88    | -66.07      | -25.00      | 41.07       | 146         | 330       | Horizontal |
| 5               | 7503.3000       | 40.30          | -43.13      | 36.44    | -61.65      | -25.00      | 36.65       | 291         | 59        | Horizontal |
| 6               | 10004.4000      | 36.55          | -39.23      | 38.50    | -59.45      | -25.00      | 34.45       | 154         | 225       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1399.6800       | 35.29          | -25.24      | 25.62    | -59.59      | -25.00      | 34.59       | 266         | 236       | Vertical |
| 2               | 2099.5200       | 36.85          | -24.20      | 26.99    | -55.62      | -25.00      | 30.62       | 142         | 359       | Vertical |
| 3               | 2799.3600       | 37.71          | -22.56      | 28.48    | -51.63      | -25.00      | 26.63       | 138         | 287       | Vertical |
| 4               | 5002.2000       | 41.16          | -45.63      | 32.88    | -66.85      | -25.00      | 41.85       | 197         | 91        | Vertical |
| 5               | 7503.3000       | 40.08          | -43.13      | 36.44    | -61.87      | -25.00      | 36.87       | 175         | 0         | Vertical |
| 6               | 10004.4000      | 36.11          | -39.23      | 38.50    | -59.89      | -25.00      | 34.89       | 144         | 3         | Vertical |



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**Test Band = 5G NR CA n12A-n41A\_ TM1**
**Test Channel = Mid**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 1401.6800       | 35.20          | -25.24      | 25.62    | -59.68      | -25.00      | 34.68       | 241         | 252       | Horizontal |
| 2               | 2102.5200       | 36.78          | -24.20      | 27.00    | -55.68      | -25.00      | 30.68       | 122         | 356       | Horizontal |
| 3               | 2803.3600       | 37.51          | -22.58      | 28.50    | -51.83      | -25.00      | 26.83       | 126         | 360       | Horizontal |
| 4               | 5100.1800       | 41.32          | -45.37      | 32.94    | -66.37      | -25.00      | 41.37       | 236         | 72        | Horizontal |
| 5               | 7650.2700       | 39.93          | -43.03      | 36.49    | -61.87      | -25.00      | 36.87       | 255         | 284       | Horizontal |
| 6               | 10200.3600      | 35.89          | -39.50      | 38.81    | -60.06      | -25.00      | 35.06       | 190         | 89        | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 1401.6800       | 35.26          | -25.24      | 25.62    | -59.62      | -25.00      | 34.62       | 214         | 210       | Vertical |
| 2               | 2102.5200       | 36.85          | -24.20      | 27.00    | -55.61      | -25.00      | 30.61       | 130         | 4         | Vertical |
| 3               | 2803.3600       | 37.49          | -22.58      | 28.50    | -51.85      | -25.00      | 26.85       | 236         | 99        | Vertical |
| 4               | 5100.1800       | 41.96          | -45.37      | 32.94    | -65.73      | -25.00      | 40.73       | 256         | 300       | Vertical |
| 5               | 7650.2700       | 39.81          | -43.03      | 36.49    | -61.99      | -25.00      | 36.99       | 216         | 179       | Vertical |
| 6               | 10200.3600      | 35.79          | -39.50      | 38.81    | -60.16      | -25.00      | 35.16       | 192         | 330       | Vertical |



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**Test Band = 5G NR CA n12A-n41A\_ TM1**
**Test Channel = High**
**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| 1   | 1403.6800       | 35.33          | -25.24      | 25.61    | -59.55      | -25.00      | 34.55       | 245         | 41        | Horizontal |
| 2   | 2105.5200       | 36.80          | -24.19      | 27.01    | -55.64      | -25.00      | 30.64       | 126         | 335       | Horizontal |
| 3   | 2807.3600       | 37.38          | -22.59      | 28.51    | -51.96      | -25.00      | 26.96       | 233         | 30        | Horizontal |
| 4   | 5190.1800       | 41.71          | -45.29      | 32.98    | -65.85      | -25.00      | 40.85       | 269         | 74        | Horizontal |
| 5   | 7785.2700       | 39.89          | -42.43      | 36.75    | -61.04      | -25.00      | 36.04       | 148         | 356       | Horizontal |
| 6   | 10380.3600      | 35.88          | -39.03      | 38.86    | -59.55      | -25.00      | 34.55       | 192         | 181       | Horizontal |

**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| 1   | 1403.6800       | 35.27          | -25.24      | 25.61    | -59.61      | -25.00      | 34.61       | 244         | 268       | Vertical |
| 2   | 2105.5200       | 36.63          | -24.19      | 27.01    | -55.81      | -25.00      | 30.81       | 174         | 109       | Vertical |
| 3   | 2807.3600       | 37.47          | -22.59      | 28.51    | -51.87      | -25.00      | 26.87       | 185         | 159       | Vertical |
| 4   | 5190.1800       | 41.61          | -45.29      | 32.98    | -65.95      | -25.00      | 40.95       | 169         | 196       | Vertical |
| 5   | 7785.2700       | 39.65          | -42.43      | 36.75    | -61.28      | -25.00      | 36.28       | 192         | 132       | Vertical |
| 6   | 10380.3600      | 36.45          | -39.03      | 38.86    | -58.98      | -25.00      | 33.98       | 142         | 270       | Vertical |



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**Test Band = 5G NR CA n12A-n77A\_ TM1**
**Test Channel = Low**
**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| 1   | 6810.1800       | 41.34          | -43.61      | 35.85    | -61.68      | -13.00      | 48.68       | 214         | 0         | Horizontal |
| 2   | 7375.15         | 42.54          | -42.92      | 36.50    | -59.14      | -13.00      | 46.14       | 153         | 242       | Horizontal |
| 3   | 8349.775        | 41.68          | -41.62      | 37.27    | -57.93      | -13.00      | 44.93       | 135         | 286       | Horizontal |
| 4   | 10215.2700      | 35.83          | -39.23      | 38.81    | -59.85      | -13.00      | 46.85       | 126         | 105       | Horizontal |
| 5   | 13620.3600      | 33.66          | -36.03      | 40.13    | -57.50      | -13.00      | 44.50       | 192         | 270       | Horizontal |
| 6   | 17025.4500      | 34.18          | -33.71      | 38.51    | -56.28      | -13.00      | 43.28       | 155         | 196       | Horizontal |

**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| 1   | 6810.1800       | 41.57          | -43.61      | 35.85    | -61.45      | -13.00      | 48.45       | 215         | 256       | Vertical |
| 2   | 7535            | 42.75          | -43.02      | 36.42    | -59.11      | -13.00      | 46.11       | 148         | 226       | Vertical |
| 3   | 8356.675        | 41.60          | -41.59      | 37.28    | -57.97      | -13.00      | 44.97       | 156         | 61        | Vertical |
| 4   | 10215.2700      | 36.57          | -39.23      | 38.81    | -59.11      | -13.00      | 46.11       | 135         | 106       | Vertical |
| 5   | 13620.3600      | 34.08          | -36.03      | 40.13    | -57.08      | -13.00      | 44.08       | 188         | 166       | Vertical |
| 6   | 17025.4500      | 33.89          | -33.71      | 38.51    | -56.57      | -13.00      | 43.57       | 192         | 8         | Vertical |



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**Test Band = 5G NR CA n12A-n77A\_ TM1**
**Test Channel = Mid**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 6910.1800       | 41.77          | -43.80      | 35.97    | -61.32      | -13.00      | 48.32       | 142         | 121       | Horizontal |
| 2               | 7900.7          | 41.92          | -42.74      | 36.90    | -59.18      | -13.00      | 46.18       | 135         | 166       | Horizontal |
| 3               | 8809.775        | 40.35          | -41.12      | 38.09    | -57.94      | -13.00      | 44.94       | 126         | 196       | Horizontal |
| 4               | 10365.2700      | 36.27          | -38.81      | 38.85    | -58.94      | -13.00      | 45.94       | 299         | 211       | Horizontal |
| 5               | 13820.3600      | 32.93          | -36.11      | 39.98    | -58.46      | -13.00      | 45.46       | 155         | 357       | Horizontal |
| 6               | 17275.4500      | 33.28          | -35.16      | 38.70    | -58.43      | -13.00      | 45.43       | 148         | 47        | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 6910.1800       | 41.12          | -43.80      | 35.97    | -61.97      | -13.00      | 48.97       | 214         | 0         | Vertical |
| 2               | 7744.875        | 41.83          | -42.78      | 36.67    | -59.54      | -13.00      | 46.54       | 135         | 286       | Vertical |
| 3               | 8806.325        | 40.45          | -41.13      | 38.08    | -57.85      | -13.00      | 44.85       | 126         | 331       | Vertical |
| 4               | 10365.2700      | 35.54          | -38.81      | 38.85    | -59.67      | -13.00      | 46.67       | 159         | 91        | Vertical |
| 5               | 13820.3600      | 33.16          | -36.11      | 39.98    | -58.23      | -13.00      | 45.23       | 145         | 226       | Vertical |
| 6               | 17275.4500      | 33.90          | -35.16      | 38.70    | -57.81      | -13.00      | 44.81       | 185         | 209       | Vertical |



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**Test Band = 5G NR CA n12A-n77A\_ TM1**
**Test Channel = High**
**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| 1   | 7010.1800       | 40.59          | -43.06      | 36.11    | -61.62      | -13.00      | 48.62       | 125         | 0         | Horizontal |
| 2   | 7969.125        | 41.55          | -42.32      | 36.97    | -59.05      | -13.00      | 46.05       | 145         | 221       | Horizontal |
| 3   | 9281.275        | 39.16          | -40.05      | 38.40    | -57.75      | -13.00      | 44.75       | 158         | 102       | Horizontal |
| 4   | 10515.2700      | 35.43          | -38.64      | 38.98    | -59.50      | -13.00      | 46.50       | 196         | 130       | Horizontal |
| 5   | 14020.3600      | 31.55          | -35.04      | 40.15    | -58.60      | -13.00      | 45.60       | 152         | 145       | Horizontal |
| 6   | 17525.4500      | 33.64          | -33.81      | 39.28    | -56.15      | -13.00      | 43.15       | 133         | 252       | Horizontal |

**Final Data List**

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| 1   | 7010.1800       | 41.76          | -43.06      | 36.11    | -60.45      | -13.00      | 47.45       | 148         | 116       | Vertical |
| 2   | 8021.45         | 40.58          | -41.96      | 37.02    | -59.62      | -13.00      | 46.62       | 158         | 316       | Vertical |
| 3   | 8393.475        | 41.27          | -41.40      | 37.32    | -58.07      | -13.00      | 45.07       | 169         | 43        | Vertical |
| 4   | 10515.2700      | 34.67          | -38.64      | 38.98    | -60.26      | -13.00      | 47.26       | 192         | 178       | Vertical |
| 5   | 14020.3600      | 31.60          | -35.04      | 40.15    | -58.55      | -13.00      | 45.55       | 174         | 133       | Vertical |
| 6   | 17525.4500      | 32.53          | -33.81      | 39.28    | -57.26      | -13.00      | 44.26       | 152         | 346       | Vertical |



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**Test Band = 5G NR CA n12A-n78A\_ TM1**
**Test Channel = Low**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 2479.5          | 31.58          | -23.55      | 27.70    | -59.52      | -13.00      | 46.52       | 152         | 299       | Horizontal |
| 2               | 4210.1667       | 27.99          | -20.94      | 31.12    | -57.09      | -13.00      | 44.09       | 142         | 280       | Horizontal |
| 3               | 6810.1800       | 41.16          | -43.61      | 35.85    | -61.86      | -13.00      | 48.86       | 132         | 1         | Horizontal |
| 4               | 10215.2700      | 35.33          | -39.23      | 38.81    | -60.35      | -13.00      | 47.35       | 156         | 118       | Horizontal |
| 5               | 13620.3600      | 33.59          | -36.03      | 40.13    | -57.57      | -13.00      | 44.57       | 129         | 256       | Horizontal |
| 6               | 17025.4500      | 33.13          | -33.71      | 38.51    | -57.33      | -13.00      | 44.33       | 158         | 270       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 5081            | 29.33          | -19.29      | 32.92    | -52.30      | -13.00      | 39.30       | 214         | 121       | Vertical |
| 2               | 6810.1800       | 41.28          | -43.61      | 35.85    | -61.74      | -13.00      | 48.74       | 156         | 120       | Vertical |
| 3               | 8377.95         | 40.85          | -41.48      | 37.30    | -58.59      | -13.00      | 45.59       | 192         | 1         | Vertical |
| 4               | 10215.2700      | 35.37          | -39.23      | 38.81    | -60.31      | -13.00      | 47.31       | 135         | 357       | Vertical |
| 5               | 13620.3600      | 33.62          | -36.03      | 40.13    | -57.54      | -13.00      | 44.54       | 125         | 227       | Vertical |
| 6               | 17025.4500      | 33.86          | -33.71      | 38.51    | -56.60      | -13.00      | 43.60       | 174         | 136       | Vertical |



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**Test Band = 5G NR CA n12A-n78A\_ TM1**
**Test Channel = Mid**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 4551.1667       | 28.43          | -20.36      | 31.66    | -55.53      | -13.00      | 42.53       | 215         | 360       | Horizontal |
| 2               | 5288.1667       | 29.48          | -18.81      | 32.91    | -51.68      | -13.00      | 38.68       | 188         | 4         | Horizontal |
| 3               | 6910.1800       | 40.79          | -43.80      | 35.97    | -62.30      | -13.00      | 49.30       | 135         | 17        | Horizontal |
| 4               | 10365.2700      | 35.57          | -38.81      | 38.85    | -59.64      | -13.00      | 46.64       | 126         | 239       | Horizontal |
| 5               | 13820.3600      | 32.48          | -36.11      | 39.98    | -58.91      | -13.00      | 45.91       | 136         | 0         | Horizontal |
| 6               | 17275.4500      | 32.84          | -35.16      | 38.70    | -58.87      | -13.00      | 45.87       | 192         | 44        | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 2246.6667       | 29.30          | -23.85      | 27.36    | -62.45      | -13.00      | 49.45       | 254         | 118       | Vertical |
| 2               | 4899.5          | 29.84          | -20.03      | 32.60    | -52.85      | -13.00      | 39.85       | 126         | 268       | Vertical |
| 3               | 6910.1800       | 41.48          | -43.80      | 35.97    | -61.61      | -13.00      | 48.61       | 132         | 356       | Vertical |
| 4               | 10365.2700      | 35.51          | -38.81      | 38.85    | -59.70      | -13.00      | 46.70       | 152         | 105       | Vertical |
| 5               | 13820.3600      | 33.78          | -36.11      | 39.98    | -57.61      | -13.00      | 44.61       | 158         | 0         | Vertical |
| 6               | 17275.4500      | 33.37          | -35.16      | 38.70    | -58.34      | -13.00      | 45.34       | 169         | 195       | Vertical |



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**Test Band = 5G NR CA n12A-n78A\_ TM1**
**Test Channel = High**

| Final Data List |                 |                |             |          |             |             |             |             |           |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity   |
| 1               | 3189            | 29.66          | -22.16      | 29.66    | -58.10      | -13.00      | 45.10       | 215         | 250       | Horizontal |
| 2               | 5262.5          | 29.62          | -18.87      | 32.93    | -51.58      | -13.00      | 38.58       | 142         | 260       | Horizontal |
| 3               | 7010.1800       | 40.91          | -43.06      | 36.11    | -61.30      | -13.00      | 48.30       | 132         | 239       | Horizontal |
| 4               | 10515.2700      | 34.68          | -38.64      | 38.98    | -60.25      | -13.00      | 47.25       | 126         | 239       | Horizontal |
| 5               | 14020.3600      | 31.92          | -35.04      | 40.15    | -58.23      | -13.00      | 45.23       | 155         | 0         | Horizontal |
| 6               | 17525.4500      | 33.62          | -33.81      | 39.28    | -56.17      | -13.00      | 43.17       | 192         | 0         | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |             |           |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|-------------|-----------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1               | 2237.5          | 29.38          | -23.90      | 27.36    | -62.42      | -13.00      | 49.42       | 248         | 110       | Vertical |
| 2               | 5271.6667       | 29.70          | -18.85      | 32.92    | -51.49      | -13.00      | 38.49       | 159         | 60        | Vertical |
| 3               | 7010.1800       | 40.77          | -43.06      | 36.11    | -61.44      | -13.00      | 48.44       | 136         | 40        | Vertical |
| 4               | 10515.2700      | 34.99          | -38.64      | 38.98    | -59.94      | -13.00      | 46.94       | 256         | 270       | Vertical |
| 5               | 14020.3600      | 32.03          | -35.04      | 40.15    | -58.12      | -13.00      | 45.12       | 142         | 102       | Vertical |
| 6               | 17525.4500      | 33.03          | -33.81      | 39.28    | -56.76      | -13.00      | 43.76       | 125         | 71        | Vertical |

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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