

Test Band = SA Band 13 BW 5M_ TM1

Test Channel = High Channel

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 1564 | 67.40 | -118.21 | -50.81 | -40.00 | 10.81 | 263 | 96 | Horizontal |
| 2 | 2347.02 | 95.97 | -115.27 | -19.30 | -13.00 | 6.30 | 251 | 2 | Horizontal |
| 3 | 3129.36 | 51.72 | -112.17 | -60.45 | -13.00 | 47.45 | 174 | 64 | Horizontal |
| 4 | 3911.7 | 51.03 | -110.40 | -59.37 | -13.00 | 46.37 | 162 | 266 | Horizontal |
| 5 | 4694.04 | 51.24 | -107.94 | -56.70 | -13.00 | 43.70 | 241 | 43 | Horizontal |
| 6 | 5476.38 | 51.28 | -106.46 | -55.18 | -13.00 | 42.18 | 188 | 138 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 1564 | 69.14 | -118.21 | -49.07 | -40.00 | 9.07 | 152 | 32 | Vertical |
| 2 | 2346 | 89.10 | -115.28 | -26.18 | -13.00 | 13.18 | 263 | 180 | Vertical |
| 3 | 3129.36 | 52.19 | -112.17 | -59.98 | -13.00 | 46.98 | 241 | 137 | Vertical |
| 4 | 3911.7 | 50.74 | -110.40 | -59.66 | -13.00 | 46.66 | 176 | 137 | Vertical |
| 5 | 4694.04 | 51.00 | -107.94 | -56.94 | -13.00 | 43.94 | 264 | 11 | Vertical |
| 6 | 5476.38 | 51.94 | -106.46 | -54.52 | -13.00 | 41.52 | 188 | 327 | Vertical |



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

| Voltage | | | | | | | | | | |
|---------|-----|-----------|-------------|---------|------------|---------|-------------|---------------|-----------------|---------|
| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | VH | NT | 2.700000 | 0.003453 | PASS |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | VN | NT | 1.000000 | 0.001279 | PASS |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | VL | NT | 2.900000 | 0.003708 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | VH | NT | 0.300000 | 0.000384 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | VN | NT | 1.900000 | 0.002430 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | VL | NT | 2.900000 | 0.003708 | PASS |



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Frequency Error VS. Temperature

| Temperature | | | | | | | | | | |
|-------------|-----|-----------|-------------|---------|------------|---------|-------------|---------------|-----------------|---------|
| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | NV | -30 | 1.000000 | 0.001279 | PASS |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | NV | -20 | 1.100000 | 0.001407 | PASS |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | NV | -10 | 4.000000 | 0.005115 | PASS |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | NV | 0 | 2.300000 | 0.002941 | PASS |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | NV | 10 | 1.300000 | 0.001662 | PASS |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | NV | 20 | 3.100000 | 0.003964 | PASS |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | NV | 30 | 0.200000 | 0.000256 | PASS |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | NV | 40 | -0.600000 | -0.000767 | PASS |
| N13 | 15 | 10 | DFT-PI2BPSK | M | Outer_Full | NV | 50 | 2.400000 | 0.003069 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | -30 | 3.200000 | 0.004092 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | -20 | 2.200000 | 0.002813 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | -10 | 5.900000 | 0.007545 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 0 | 4.300000 | 0.005499 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 10 | 4.200000 | 0.005371 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 20 | 4.500000 | 0.005754 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 30 | 3.800000 | 0.004859 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 40 | 0.100000 | 0.000128 | PASS |
| N13 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 50 | 1.200000 | 0.001535 | PASS |

---End of Attachment---



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