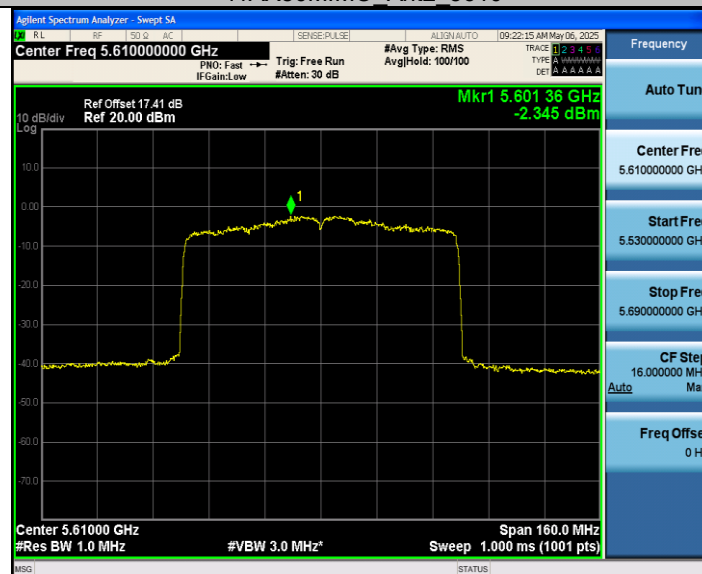




11AX80MIMO Ant1 5610



11AX80MIMO Ant2 5610



11AX80MIMO Ant1 5775

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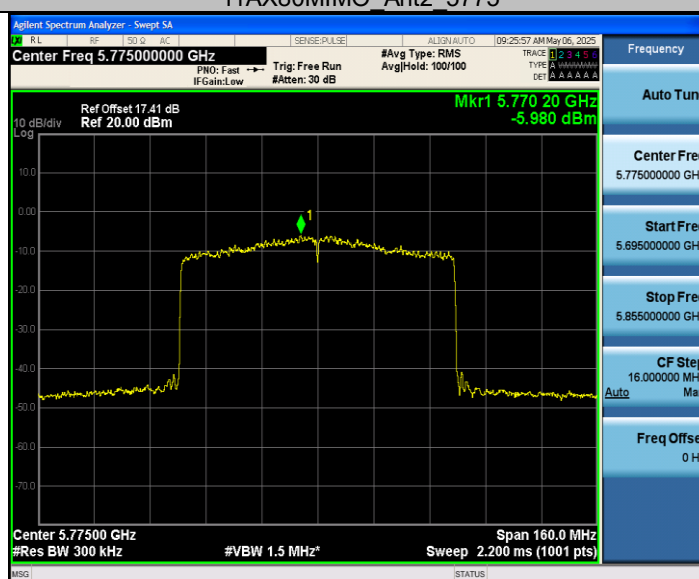
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11AX80MIMO\_Ant2\_5775



11AX160MIMO\_Ant1\_5250\_UNII-1



11AX160MIMO\_Ant2\_5250\_UNII-1

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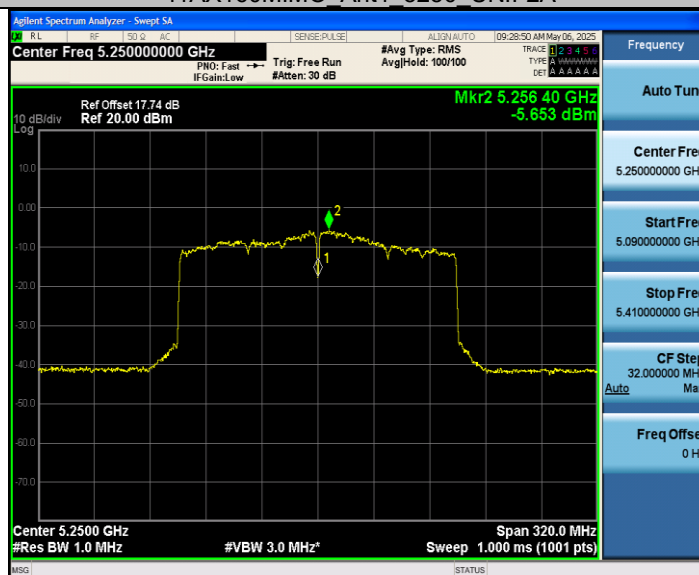
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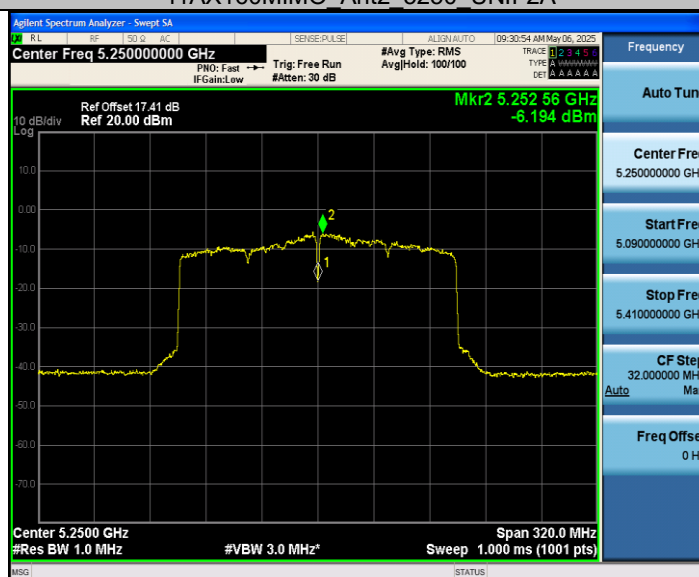
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11AX160MIMO Ant1 5250 UNII-2A



11AX160MIMO Ant2 5250 UNII-2A



11AX160MIMO Ant1 5570

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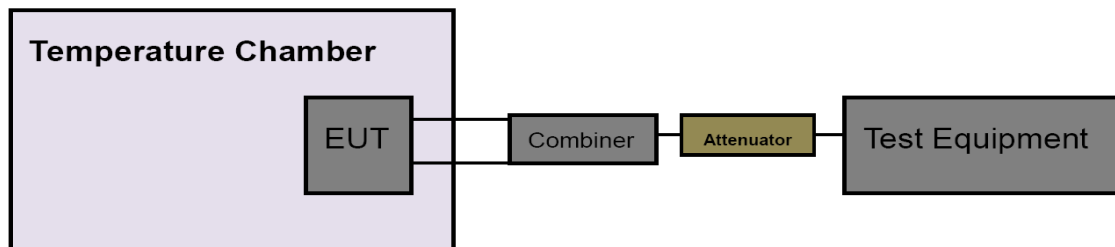
### 3.7. Frequency Stability

#### Limit

#### FCC CFR Title 47 Part 15 Subpart E Section 15.407(g)

| Test Item           | Limit                                                                                                                                                    | Frequency Range (MHz) |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Frequency Stability | Specified in the user's manual, the transmitter center frequency tolerance shall be $\pm 20$ ppm maximum for the 5 GHz band (IEEE 802.11n specification) | 5150~5250             |
|                     |                                                                                                                                                          | 5250~5350             |
|                     |                                                                                                                                                          | 5500~5700             |
|                     |                                                                                                                                                          | 5725~5850             |

#### Test Configuration



#### Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyzer center frequency to transmitting frequency.
- (3) Set the span to encompass the entire emissions bandwidth (EBW) of the signal.
- (4) Set the RBW to: 8MHz, VBW=8MHz with peak detector and max hold settings.
- (5) The test extreme voltage is to change the primary supply voltage from 10.8V to 13.2V percent of the nominal value.
- (6) Extreme temperature is 0°C~45°C

NOTE: The EUT was set to continuously transmitting in continuously un-modulation transmitting mode.

#### Test Mode

Please refer to the clause 2.4.

**Test Result**

| TestMode | Antenna | Freq(MHz) | Voltage       |                  |                |                 |             | Verdict |
|----------|---------|-----------|---------------|------------------|----------------|-----------------|-------------|---------|
|          |         |           | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) |         |
| 20M      | Ant1    | 5180      | NV            | NT               | -15500.00      | -2.992278       | 20          | PASS    |
|          |         |           | LV            | NT               | -15500.00      | -2.992278       | 20          | PASS    |
|          |         |           | HV            | NT               | -15500.00      | -2.992278       | 20          | PASS    |
|          | Ant2    | 5180      | NV            | NT               | -11500.00      | -2.220077       | 20          | PASS    |
|          |         |           | LV            | NT               | -12000.00      | -2.316602       | 20          | PASS    |
|          |         |           | HV            | NT               | -12000.00      | -2.316602       | 20          | PASS    |
|          | Ant1    | 5200      | NV            | NT               | -11000.00      | -2.115385       | 20          | PASS    |
|          |         |           | LV            | NT               | -14000.00      | -2.692308       | 20          | PASS    |
|          |         |           | HV            | NT               | -15000.00      | -2.884615       | 20          | PASS    |
|          | Ant2    | 5200      | NV            | NT               | -11500.00      | -2.211538       | 20          | PASS    |
|          |         |           | LV            | NT               | -12000.00      | -2.307692       | 20          | PASS    |
|          |         |           | HV            | NT               | -11500.00      | -2.211538       | 20          | PASS    |
|          | Ant1    | 5240      | NV            | NT               | -8000.00       | -1.526718       | 20          | PASS    |
|          |         |           | LV            | NT               | -14000.00      | -2.671756       | 20          | PASS    |
|          |         |           | HV            | NT               | -16000.00      | -3.053435       | 20          | PASS    |
|          | Ant2    | 5240      | NV            | NT               | -14500.00      | -2.767176       | 20          | PASS    |
|          |         |           | LV            | NT               | -18000.00      | -3.435115       | 20          | PASS    |
|          |         |           | HV            | NT               | -18500.00      | -3.530534       | 20          | PASS    |
|          | Ant1    | 5260      | NV            | NT               | -15000.00      | -2.851711       | 20          | PASS    |
|          |         |           | LV            | NT               | -18500.00      | -3.517110       | 20          | PASS    |
|          |         |           | HV            | NT               | -19500.00      | -3.707224       | 20          | PASS    |
|          | Ant2    | 5260      | NV            | NT               | -17500.00      | -3.326996       | 20          | PASS    |
|          |         |           | LV            | NT               | -20500.00      | -3.897338       | 20          | PASS    |
|          |         |           | HV            | NT               | -20500.00      | -3.897338       | 20          | PASS    |
|          | Ant1    | 5280      | NV            | NT               | -12500.00      | -2.367424       | 20          | PASS    |
|          |         |           | LV            | NT               | -18000.00      | -3.409091       | 20          | PASS    |
|          |         |           | HV            | NT               | -19500.00      | -3.693182       | 20          | PASS    |
|          | Ant2    | 5280      | NV            | NT               | -17500.00      | -3.314394       | 20          | PASS    |
|          |         |           | LV            | NT               | -20000.00      | -3.787879       | 20          | PASS    |
|          |         |           | HV            | NT               | -20500.00      | -3.882576       | 20          | PASS    |
|          | Ant1    | 5320      | NV            | NT               | -12500.00      | -2.349624       | 20          | PASS    |
|          |         |           | LV            | NT               | -17000.00      | -3.195489       | 20          | PASS    |
|          |         |           | HV            | NT               | -18000.00      | -3.383459       | 20          | PASS    |
|          | Ant2    | 5320      | NV            | NT               | -14000.00      | -2.631579       | 20          | PASS    |
|          |         |           | LV            | NT               | -18500.00      | -3.477444       | 20          | PASS    |
|          |         |           | HV            | NT               | -19000.00      | -3.571429       | 20          | PASS    |
|          | Ant1    | 5500      | NV            | NT               | -12500.00      | -2.272727       | 20          | PASS    |
|          |         |           | LV            | NT               | -17500.00      | -3.181818       | 20          | PASS    |
|          |         |           | HV            | NT               | -19500.00      | -3.545455       | 20          | PASS    |
|          | Ant2    | 5500      | NV            | NT               | -19000.00      | -3.454545       | 20          | PASS    |
|          |         |           | LV            | NT               | -22000.00      | -4.000000       | 20          | PASS    |
|          |         |           | HV            | NT               | -22500.00      | -4.090909       | 20          | PASS    |
|          | Ant1    | 5580      | NV            | NT               | -17500.00      | -3.136201       | 20          | PASS    |
|          |         |           | LV            | NT               | -20500.00      | -3.673835       | 20          | PASS    |
|          |         |           | HV            | NT               | -22000.00      | -3.942652       | 20          | PASS    |
|          | Ant2    | 5580      | NV            | NT               | -17000.00      | -3.046595       | 20          | PASS    |
|          |         |           | LV            | NT               | -21000.00      | -3.763441       | 20          | PASS    |
|          |         |           | HV            | NT               | -22500.00      | -4.032258       | 20          | PASS    |
|          | Ant1    | 5700      | NV            | NT               | -12000.00      | -2.105263       | 20          | PASS    |
|          |         |           | LV            | NT               | -17000.00      | -2.982456       | 20          | PASS    |
|          |         |           | HV            | NT               | -19000.00      | -3.333333       | 20          | PASS    |
|          | Ant2    | 5700      | NV            | NT               | -16500.00      | -2.894737       | 20          | PASS    |
|          |         |           | LV            | NT               | -21500.00      | -3.771930       | 20          | PASS    |
|          |         |           | HV            | NT               | -23000.00      | -4.035088       | 20          | PASS    |
|          | Ant1    | 5745      | NV            | NT               | -15000.00      | -2.610966       | 20          | PASS    |
|          |         |           | LV            | NT               | -17000.00      | -2.959095       | 20          | PASS    |
|          |         |           | HV            | NT               | -17500.00      | -3.046127       | 20          | PASS    |
|          | Ant2    | 5745      | NV            | NT               | -18500.00      | -3.220191       | 20          | PASS    |
|          |         |           | LV            | NT               | -20500.00      | -3.568320       | 20          | PASS    |

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|     |      |      |    |    |           |           |    |      |
|-----|------|------|----|----|-----------|-----------|----|------|
|     | Ant1 | 5785 | HV | NT | -22000.00 | -3.829417 | 20 | PASS |
|     |      |      | NV | NT | -16000.00 | -2.765774 | 20 | PASS |
|     |      |      | LV | NT | -19500.00 | -3.370787 | 20 | PASS |
|     |      |      | HV | NT | -21000.00 | -3.630078 | 20 | PASS |
|     | Ant2 | 5785 | NV | NT | -17000.00 | -2.938634 | 20 | PASS |
|     |      |      | LV | NT | -21000.00 | -3.630078 | 20 | PASS |
|     |      |      | HV | NT | -22000.00 | -3.802939 | 20 | PASS |
|     |      |      | NV | NT | -15500.00 | -2.660944 | 20 | PASS |
|     | Ant1 | 5825 | LV | NT | -19000.00 | -3.261803 | 20 | PASS |
|     |      |      | HV | NT | -20000.00 | -3.433476 | 20 | PASS |
|     |      |      | NV | NT | -16000.00 | -2.746781 | 20 | PASS |
|     | Ant2 | 5825 | LV | NT | -20500.00 | -3.519313 | 20 | PASS |
|     |      |      | HV | NT | -22000.00 | -3.776824 | 20 | PASS |
|     |      |      | NV | NT | -13000.00 | -2.504817 | 20 | PASS |
| 40M | Ant1 | 5190 | LV | NT | -16500.00 | -3.179191 | 20 | PASS |
|     |      |      | HV | NT | -17500.00 | -3.371869 | 20 | PASS |
|     |      |      | NV | NT | -15000.00 | -2.890173 | 20 | PASS |
|     | Ant2 | 5190 | LV | NT | -17500.00 | -3.371869 | 20 | PASS |
|     |      |      | HV | NT | -19000.00 | -3.660886 | 20 | PASS |
|     |      |      | NV | NT | -12000.00 | -2.294455 | 20 | PASS |
|     | Ant1 | 5230 | LV | NT | -16500.00 | -3.154876 | 20 | PASS |
|     |      |      | HV | NT | -18000.00 | -3.441683 | 20 | PASS |
|     |      |      | NV | NT | -15000.00 | -2.868069 | 20 | PASS |
|     | Ant2 | 5230 | LV | NT | -17500.00 | -3.346080 | 20 | PASS |
|     |      |      | HV | NT | -18000.00 | -3.441683 | 20 | PASS |
|     |      |      | NV | NT | -11500.00 | -2.182163 | 20 | PASS |
|     | Ant1 | 5270 | LV | NT | -17000.00 | -3.225806 | 20 | PASS |
|     |      |      | HV | NT | -18500.00 | -3.510436 | 20 | PASS |
|     |      |      | NV | NT | -16500.00 | -3.130930 | 20 | PASS |
|     | Ant2 | 5270 | LV | NT | -19000.00 | -3.605313 | 20 | PASS |
|     |      |      | HV | NT | -20000.00 | -3.795066 | 20 | PASS |
|     |      |      | NV | NT | -11500.00 | -2.165725 | 20 | PASS |
|     | Ant1 | 5310 | LV | NT | -17000.00 | -3.201507 | 20 | PASS |
|     |      |      | HV | NT | -18500.00 | -3.483992 | 20 | PASS |
|     |      |      | NV | NT | -16500.00 | -3.107345 | 20 | PASS |
|     | Ant2 | 5310 | LV | NT | -19500.00 | -3.672316 | 20 | PASS |
|     |      |      | HV | NT | -19500.00 | -3.672316 | 20 | PASS |
|     |      |      | NV | NT | -9500.00  | -1.724138 | 20 | PASS |
|     | Ant1 | 5510 | LV | NT | -16500.00 | -2.994555 | 20 | PASS |
|     |      |      | HV | NT | -18500.00 | -3.357532 | 20 | PASS |
|     |      |      | NV | NT | -16500.00 | -2.994555 | 20 | PASS |
|     | Ant2 | 5510 | LV | NT | -20500.00 | -3.720508 | 20 | PASS |
|     |      |      | HV | NT | -21500.00 | -3.901996 | 20 | PASS |
|     |      |      | NV | NT | -16000.00 | -2.882883 | 20 | PASS |
|     | Ant1 | 5550 | LV | NT | -21000.00 | -3.783784 | 20 | PASS |
|     |      |      | HV | NT | -22000.00 | -3.963964 | 20 | PASS |
|     |      |      | NV | NT | -18000.00 | -3.243243 | 20 | PASS |
|     | Ant2 | 5550 | LV | NT | -21500.00 | -3.873874 | 20 | PASS |
|     |      |      | HV | NT | -22000.00 | -3.963964 | 20 | PASS |
|     |      |      | NV | NT | -12500.00 | -2.204586 | 20 | PASS |
|     | Ant1 | 5670 | LV | NT | -18500.00 | -3.262787 | 20 | PASS |
|     |      |      | HV | NT | -20500.00 | -3.615520 | 20 | PASS |
|     |      |      | NV | NT | -16500.00 | -2.910053 | 20 | PASS |
|     | Ant2 | 5670 | LV | NT | -20500.00 | -3.615520 | 20 | PASS |
|     |      |      | HV | NT | -22000.00 | -3.880071 | 20 | PASS |
|     |      |      | NV | NT | -16500.00 | -2.867072 | 20 | PASS |
|     | Ant1 | 5755 | LV | NT | -20000.00 | -3.475239 | 20 | PASS |
|     |      |      | HV | NT | -20500.00 | -3.562120 | 20 | PASS |
|     |      |      | NV | NT | -17000.00 | -2.953953 | 20 | PASS |
|     | Ant2 | 5755 | LV | NT | -20500.00 | -3.562120 | 20 | PASS |
|     |      |      | HV | NT | -21500.00 | -3.735882 | 20 | PASS |
|     |      |      | NV | NT | -14500.00 | -2.502157 | 20 | PASS |
|     | Ant1 | 5795 | LV | NT | -19000.00 | -3.278689 | 20 | PASS |
|     |      |      | HV | NT | -20000.00 | -3.451251 | 20 | PASS |
|     |      |      | NV | NT | -17500.00 | -3.019845 | 20 | PASS |

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|      |      |      |    |    |           |           |    |      |
|------|------|------|----|----|-----------|-----------|----|------|
| 80M  | Ant1 | 5210 | LV | NT | -21000.00 | -3.623814 | 20 | PASS |
|      |      |      | HV | NT | -22000.00 | -3.796376 | 20 | PASS |
|      |      |      | NV | NT | -11500.00 | -2.207294 | 20 | PASS |
|      | Ant2 | 5210 | LV | NT | -15000.00 | -2.879079 | 20 | PASS |
|      |      |      | HV | NT | -16500.00 | -3.166987 | 20 | PASS |
|      |      |      | NV | NT | -15500.00 | -2.975048 | 20 | PASS |
|      | Ant1 | 5290 | LV | NT | -18000.00 | -3.454894 | 20 | PASS |
|      |      |      | HV | NT | -18500.00 | -3.550864 | 20 | PASS |
|      |      |      | NV | NT | -13500.00 | -2.551985 | 20 | PASS |
|      | Ant2 | 5290 | LV | NT | -17500.00 | -3.308129 | 20 | PASS |
|      |      |      | HV | NT | -19000.00 | -3.591682 | 20 | PASS |
|      |      |      | NV | NT | -14000.00 | -2.646503 | 20 | PASS |
|      | Ant1 | 5530 | LV | NT | -17500.00 | -3.308129 | 20 | PASS |
|      |      |      | HV | NT | -19000.00 | -3.591682 | 20 | PASS |
|      |      |      | NV | NT | -9000.00  | -1.627486 | 20 | PASS |
|      | Ant2 | 5530 | LV | NT | -15500.00 | -2.802893 | 20 | PASS |
|      |      |      | HV | NT | -18000.00 | -3.254973 | 20 | PASS |
|      |      |      | NV | NT | -16500.00 | -2.983725 | 20 | PASS |
|      | Ant1 | 5610 | LV | NT | -20500.00 | -3.707052 | 20 | PASS |
|      |      |      | HV | NT | -21500.00 | -3.887884 | 20 | PASS |
|      |      |      | NV | NT | -17000.00 | -3.030303 | 20 | PASS |
|      | Ant2 | 5610 | LV | NT | -20000.00 | -3.565062 | 20 | PASS |
|      |      |      | HV | NT | -21500.00 | -3.832442 | 20 | PASS |
|      |      |      | NV | NT | -16000.00 | -2.852050 | 20 | PASS |
|      | Ant1 | 5775 | LV | NT | -20500.00 | -3.654189 | 20 | PASS |
|      |      |      | HV | NT | -22000.00 | -3.921569 | 20 | PASS |
|      |      |      | NV | NT | -9500.00  | -1.645022 | 20 | PASS |
|      | Ant2 | 5775 | LV | NT | -16000.00 | -2.770563 | 20 | PASS |
|      |      |      | HV | NT | -18500.00 | -3.203463 | 20 | PASS |
|      |      |      | NV | NT | -17500.00 | -3.030303 | 20 | PASS |
| 160M | Ant1 | 5250 | LV | NT | -21000.00 | -3.636364 | 20 | PASS |
|      |      |      | HV | NT | -21500.00 | -3.722944 | 20 | PASS |
|      |      |      | NV | NT | -10500.00 | -2.000000 | 20 | PASS |
|      | Ant2 | 5250 | LV | NT | -15500.00 | -2.952381 | 20 | PASS |
|      |      |      | HV | NT | -17000.00 | -3.238095 | 20 | PASS |
|      |      |      | NV | NT | -13500.00 | -2.571429 | 20 | PASS |
|      | Ant1 | 5570 | LV | NT | -16500.00 | -3.142857 | 20 | PASS |
|      |      |      | HV | NT | -17000.00 | -3.238095 | 20 | PASS |
|      |      |      | NV | NT | -8000.00  | -1.436266 | 20 | PASS |
|      | Ant2 | 5570 | LV | NT | -15500.00 | -2.782765 | 20 | PASS |
|      |      |      | HV | NT | -18000.00 | -3.231598 | 20 | PASS |
|      |      |      | NV | NT | -17500.00 | -3.141831 | 20 | PASS |
|      | Ant1 | 5570 | LV | NT | -21000.00 | -3.770197 | 20 | PASS |
|      |      |      | HV | NT | -22000.00 | -3.949731 | 20 | PASS |





| Temperature |         |           |               |                  |                |                 |             |         |
|-------------|---------|-----------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode    | Antenna | Freq(MHz) | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 20M         | Ant1    | 5180      | NV            | 0                | -16000.00      | -3.088803       | 20          | PASS    |
|             |         |           | NV            | 10               | -16000.00      | -3.088803       | 20          | PASS    |
|             |         |           | NV            | 20               | -16000.00      | -3.088803       | 20          | PASS    |
|             |         |           | NV            | 30               | -16000.00      | -3.088803       | 20          | PASS    |
|             |         |           | NV            | 40               | -16000.00      | -3.088803       | 20          | PASS    |
|             |         |           | NV            | 45               | -16000.00      | -3.088803       | 20          | PASS    |
|             | Ant2    | 5180      | NV            | 0                | -11500.00      | -2.220077       | 20          | PASS    |
|             |         |           | NV            | 10               | -12000.00      | -2.316602       | 20          | PASS    |
|             |         |           | NV            | 20               | -11500.00      | -2.220077       | 20          | PASS    |
|             |         |           | NV            | 30               | -11000.00      | -2.123552       | 20          | PASS    |
|             |         |           | NV            | 40               | -11000.00      | -2.123552       | 20          | PASS    |
|             |         |           | NV            | 45               | -11500.00      | -2.220077       | 20          | PASS    |
|             | Ant1    | 5200      | NV            | 0                | -15500.00      | -2.980769       | 20          | PASS    |
|             |         |           | NV            | 10               | -16000.00      | -3.076923       | 20          | PASS    |
|             |         |           | NV            | 20               | -16000.00      | -3.076923       | 20          | PASS    |
|             |         |           | NV            | 30               | -16000.00      | -3.076923       | 20          | PASS    |
|             |         |           | NV            | 40               | -16000.00      | -3.076923       | 20          | PASS    |
|             |         |           | NV            | 45               | -16000.00      | -3.076923       | 20          | PASS    |
|             | Ant2    | 5200      | NV            | 0                | -11500.00      | -2.211538       | 20          | PASS    |
|             |         |           | NV            | 10               | -11500.00      | -2.211538       | 20          | PASS    |
|             |         |           | NV            | 20               | -11500.00      | -2.211538       | 20          | PASS    |
|             |         |           | NV            | 30               | -11000.00      | -2.115385       | 20          | PASS    |
|             |         |           | NV            | 40               | -11000.00      | -2.115385       | 20          | PASS    |
|             |         |           | NV            | 45               | -11000.00      | -2.115385       | 20          | PASS    |
|             | Ant1    | 5240      | NV            | 0                | -17500.00      | -3.339695       | 20          | PASS    |
|             |         |           | NV            | 10               | -18500.00      | -3.530534       | 20          | PASS    |
|             |         |           | NV            | 20               | -18500.00      | -3.530534       | 20          | PASS    |
|             |         |           | NV            | 30               | -19000.00      | -3.625954       | 20          | PASS    |
|             |         |           | NV            | 40               | -19000.00      | -3.625954       | 20          | PASS    |
|             |         |           | NV            | 45               | -19000.00      | -3.625954       | 20          | PASS    |
|             | Ant2    | 5240      | NV            | 0                | -19000.00      | -3.625954       | 20          | PASS    |
|             |         |           | NV            | 10               | -19500.00      | -3.721374       | 20          | PASS    |
|             |         |           | NV            | 20               | -19500.00      | -3.721374       | 20          | PASS    |
|             |         |           | NV            | 30               | -19500.00      | -3.721374       | 20          | PASS    |
|             |         |           | NV            | 40               | -19000.00      | -3.625954       | 20          | PASS    |
|             |         |           | NV            | 45               | -19500.00      | -3.721374       | 20          | PASS    |
|             | Ant1    | 5260      | NV            | 0                | -20000.00      | -3.802281       | 20          | PASS    |
|             |         |           | NV            | 10               | -20500.00      | -3.897338       | 20          | PASS    |
|             |         |           | NV            | 20               | -21000.00      | -3.992395       | 20          | PASS    |
|             |         |           | NV            | 30               | -21500.00      | -4.087452       | 20          | PASS    |
|             |         |           | NV            | 40               | -21000.00      | -3.992395       | 20          | PASS    |
|             |         |           | NV            | 45               | -21500.00      | -4.087452       | 20          | PASS    |
|             | Ant2    | 5260      | NV            | 0                | -21000.00      | -3.992395       | 20          | PASS    |
|             |         |           | NV            | 10               | -21000.00      | -3.992395       | 20          | PASS    |
|             |         |           | NV            | 20               | -21000.00      | -3.992395       | 20          | PASS    |
|             |         |           | NV            | 30               | -21000.00      | -3.992395       | 20          | PASS    |
|             |         |           | NV            | 40               | -21000.00      | -3.992395       | 20          | PASS    |
|             |         |           | NV            | 45               | -21000.00      | -3.992395       | 20          | PASS    |
|             | Ant1    | 5280      | NV            | 0                | -20000.00      | -3.787879       | 20          | PASS    |
|             |         |           | NV            | 10               | -21000.00      | -3.977273       | 20          | PASS    |
|             |         |           | NV            | 20               | -21000.00      | -3.977273       | 20          | PASS    |
|             |         |           | NV            | 30               | -21000.00      | -3.977273       | 20          | PASS    |
|             |         |           | NV            | 40               | -21500.00      | -4.071970       | 20          | PASS    |
|             |         |           | NV            | 45               | -21500.00      | -4.071970       | 20          | PASS    |
|             | Ant2    | 5280      | NV            | 0                | -20500.00      | -3.882576       | 20          | PASS    |
|             |         |           | NV            | 10               | -21000.00      | -3.977273       | 20          | PASS    |
|             |         |           | NV            | 20               | -21000.00      | -3.977273       | 20          | PASS    |
|             |         |           | NV            | 30               | -21000.00      | -3.977273       | 20          | PASS    |
|             |         |           | NV            | 40               | -21000.00      | -3.977273       | 20          | PASS    |
|             |         |           | NV            | 45               | -21000.00      | -3.977273       | 20          | PASS    |

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|  |      |      |    |    |           |           |    |      |
|--|------|------|----|----|-----------|-----------|----|------|
|  | Ant1 | 5320 | NV | 0  | -18500.00 | -3.477444 | 20 | PASS |
|  |      |      | NV | 10 | -19000.00 | -3.571429 | 20 | PASS |
|  |      |      | NV | 20 | -19000.00 | -3.571429 | 20 | PASS |
|  |      |      | NV | 30 | -19000.00 | -3.571429 | 20 | PASS |
|  |      |      | NV | 40 | -19500.00 | -3.665414 | 20 | PASS |
|  | Ant2 | 5320 | NV | 45 | -19500.00 | -3.665414 | 20 | PASS |
|  |      |      | NV | 0  | -20000.00 | -3.759398 | 20 | PASS |
|  |      |      | NV | 10 | -20500.00 | -3.853383 | 20 | PASS |
|  |      |      | NV | 20 | -20500.00 | -3.853383 | 20 | PASS |
|  |      |      | NV | 30 | -20500.00 | -3.853383 | 20 | PASS |
|  | Ant1 | 5500 | NV | 40 | -20500.00 | -3.853383 | 20 | PASS |
|  |      |      | NV | 45 | -20500.00 | -3.853383 | 20 | PASS |
|  |      |      | NV | 0  | -21000.00 | -3.818182 | 20 | PASS |
|  |      |      | NV | 10 | -21000.00 | -3.818182 | 20 | PASS |
|  |      |      | NV | 20 | -21500.00 | -3.909091 | 20 | PASS |
|  | Ant2 | 5500 | NV | 30 | -22000.00 | -4.000000 | 20 | PASS |
|  |      |      | NV | 40 | -22000.00 | -4.000000 | 20 | PASS |
|  |      |      | NV | 45 | -22000.00 | -4.000000 | 20 | PASS |
|  |      |      | NV | 0  | -23500.00 | -4.272727 | 20 | PASS |
|  |      |      | NV | 10 | -23500.00 | -4.272727 | 20 | PASS |
|  | Ant1 | 5580 | NV | 20 | -23500.00 | -4.272727 | 20 | PASS |
|  |      |      | NV | 30 | -23500.00 | -4.272727 | 20 | PASS |
|  |      |      | NV | 40 | -23500.00 | -4.272727 | 20 | PASS |
|  |      |      | NV | 45 | -24000.00 | -4.363636 | 20 | PASS |
|  |      |      | NV | 0  | -23000.00 | -4.121864 | 20 | PASS |
|  | Ant2 | 5580 | NV | 10 | -23000.00 | -4.121864 | 20 | PASS |
|  |      |      | NV | 20 | -23000.00 | -4.121864 | 20 | PASS |
|  |      |      | NV | 30 | -23500.00 | -4.211470 | 20 | PASS |
|  |      |      | NV | 40 | -23000.00 | -4.121864 | 20 | PASS |
|  |      |      | NV | 45 | -23000.00 | -4.121864 | 20 | PASS |
|  | Ant1 | 5700 | NV | 0  | -23500.00 | -4.211470 | 20 | PASS |
|  |      |      | NV | 10 | -23500.00 | -4.211470 | 20 | PASS |
|  |      |      | NV | 20 | -24000.00 | -4.301075 | 20 | PASS |
|  |      |      | NV | 30 | -24000.00 | -4.301075 | 20 | PASS |
|  |      |      | NV | 40 | -24000.00 | -4.301075 | 20 | PASS |
|  | Ant2 | 5700 | NV | 45 | -24000.00 | -4.301075 | 20 | PASS |
|  |      |      | NV | 0  | -19500.00 | -3.421053 | 20 | PASS |
|  |      |      | NV | 10 | -20000.00 | -3.508772 | 20 | PASS |
|  |      |      | NV | 20 | -20000.00 | -3.508772 | 20 | PASS |
|  |      |      | NV | 30 | -20000.00 | -3.508772 | 20 | PASS |
|  | Ant1 | 5745 | NV | 40 | -20500.00 | -3.596491 | 20 | PASS |
|  |      |      | NV | 45 | -20000.00 | -3.508772 | 20 | PASS |
|  |      |      | NV | 0  | -23500.00 | -4.122807 | 20 | PASS |
|  |      |      | NV | 10 | -24000.00 | -4.210526 | 20 | PASS |
|  |      |      | NV | 20 | -24500.00 | -4.298246 | 20 | PASS |
|  | Ant2 | 5745 | NV | 30 | -24500.00 | -4.298246 | 20 | PASS |
|  |      |      | NV | 40 | -25000.00 | -4.385965 | 20 | PASS |
|  |      |      | NV | 45 | -25000.00 | -4.385965 | 20 | PASS |
|  |      |      | NV | 0  | -18000.00 | -3.133159 | 20 | PASS |
|  |      |      | NV | 10 | -18000.00 | -3.133159 | 20 | PASS |
|  | Ant1 | 5785 | NV | 20 | -18000.00 | -3.133159 | 20 | PASS |
|  |      |      | NV | 30 | -18000.00 | -3.133159 | 20 | PASS |
|  |      |      | NV | 40 | -18000.00 | -3.133159 | 20 | PASS |
|  |      |      | NV | 45 | -18000.00 | -3.133159 | 20 | PASS |
|  |      |      | NV | 0  | -22500.00 | -3.916449 | 20 | PASS |
|  | Ant2 | 5785 | NV | 10 | -23000.00 | -4.003481 | 20 | PASS |
|  |      |      | NV | 20 | -23000.00 | -4.003481 | 20 | PASS |
|  |      |      | NV | 30 | -23000.00 | -4.003481 | 20 | PASS |
|  |      |      | NV | 40 | -23000.00 | -4.003481 | 20 | PASS |
|  |      |      | NV | 45 | -23500.00 | -4.090513 | 20 | PASS |
|  | Ant1 | 5785 | NV | 0  | -21500.00 | -3.716508 | 20 | PASS |
|  |      |      | NV | 10 | -22000.00 | -3.802939 | 20 | PASS |
|  |      |      | NV | 20 | -22000.00 | -3.802939 | 20 | PASS |
|  |      |      | NV | 30 | -22000.00 | -3.802939 | 20 | PASS |
|  |      |      | NV | 40 | -22000.00 | -3.802939 | 20 | PASS |

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|     |      |      |    |    |           |           |    |      |
|-----|------|------|----|----|-----------|-----------|----|------|
|     | Ant2 | 5785 | NV | 45 | -22000.00 | -3.802939 | 20 | PASS |
|     |      |      | NV | 0  | -22500.00 | -3.889369 | 20 | PASS |
|     |      |      | NV | 10 | -22500.00 | -3.889369 | 20 | PASS |
|     |      |      | NV | 20 | -22500.00 | -3.889369 | 20 | PASS |
|     |      |      | NV | 30 | -22500.00 | -3.889369 | 20 | PASS |
|     |      |      | NV | 40 | -23000.00 | -3.975799 | 20 | PASS |
|     | Ant1 | 5825 | NV | 45 | -23000.00 | -3.975799 | 20 | PASS |
|     |      |      | NV | 0  | -20500.00 | -3.519313 | 20 | PASS |
|     |      |      | NV | 10 | -20500.00 | -3.519313 | 20 | PASS |
|     |      |      | NV | 20 | -20500.00 | -3.519313 | 20 | PASS |
|     |      |      | NV | 30 | -21000.00 | -3.605150 | 20 | PASS |
|     |      |      | NV | 40 | -21000.00 | -3.605150 | 20 | PASS |
|     | Ant2 | 5825 | NV | 45 | -21000.00 | -3.605150 | 20 | PASS |
|     |      |      | NV | 0  | -23000.00 | -3.948498 | 20 | PASS |
|     |      |      | NV | 10 | -23500.00 | -4.034335 | 20 | PASS |
|     |      |      | NV | 20 | -23500.00 | -4.034335 | 20 | PASS |
|     |      |      | NV | 30 | -24000.00 | -4.120172 | 20 | PASS |
|     |      |      | NV | 40 | -24000.00 | -4.120172 | 20 | PASS |
| 40M | Ant1 | 5190 | NV | 45 | -24000.00 | -4.120172 | 20 | PASS |
|     |      |      | NV | 0  | -18500.00 | -3.564547 | 20 | PASS |
|     |      |      | NV | 10 | -19000.00 | -3.660886 | 20 | PASS |
|     |      |      | NV | 20 | -19000.00 | -3.660886 | 20 | PASS |
|     |      |      | NV | 30 | -19000.00 | -3.660886 | 20 | PASS |
|     |      |      | NV | 40 | -19000.00 | -3.660886 | 20 | PASS |
|     | Ant2 | 5190 | NV | 45 | -19000.00 | -3.660886 | 20 | PASS |
|     |      |      | NV | 0  | -19000.00 | -3.660886 | 20 | PASS |
|     |      |      | NV | 10 | -19000.00 | -3.660886 | 20 | PASS |
|     |      |      | NV | 20 | -19000.00 | -3.660886 | 20 | PASS |
|     |      |      | NV | 30 | -19500.00 | -3.757225 | 20 | PASS |
|     |      |      | NV | 40 | -19500.00 | -3.757225 | 20 | PASS |
|     | Ant1 | 5230 | NV | 45 | -19500.00 | -3.757225 | 20 | PASS |
|     |      |      | NV | 0  | -18500.00 | -3.537285 | 20 | PASS |
|     |      |      | NV | 10 | -19000.00 | -3.632887 | 20 | PASS |
|     |      |      | NV | 20 | -19000.00 | -3.632887 | 20 | PASS |
|     |      |      | NV | 30 | -19000.00 | -3.632887 | 20 | PASS |
|     |      |      | NV | 40 | -19500.00 | -3.728489 | 20 | PASS |
|     | Ant2 | 5230 | NV | 45 | -19500.00 | -3.728489 | 20 | PASS |
|     |      |      | NV | 0  | -18500.00 | -3.537285 | 20 | PASS |
|     |      |      | NV | 10 | -18500.00 | -3.537285 | 20 | PASS |
|     |      |      | NV | 20 | -18500.00 | -3.537285 | 20 | PASS |
|     |      |      | NV | 30 | -18500.00 | -3.537285 | 20 | PASS |
|     |      |      | NV | 40 | -18500.00 | -3.537285 | 20 | PASS |
|     | Ant1 | 5270 | NV | 45 | -19000.00 | -3.632887 | 20 | PASS |
|     |      |      | NV | 0  | -19000.00 | -3.605313 | 20 | PASS |
|     |      |      | NV | 10 | -19500.00 | -3.700190 | 20 | PASS |
|     |      |      | NV | 20 | -20000.00 | -3.795066 | 20 | PASS |
|     |      |      | NV | 30 | -20000.00 | -3.795066 | 20 | PASS |
|     |      |      | NV | 40 | -20500.00 | -3.889943 | 20 | PASS |
|     | Ant2 | 5270 | NV | 45 | -20500.00 | -3.889943 | 20 | PASS |
|     |      |      | NV | 0  | -20000.00 | -3.795066 | 20 | PASS |
|     |      |      | NV | 10 | -20000.00 | -3.795066 | 20 | PASS |
|     |      |      | NV | 20 | -20000.00 | -3.795066 | 20 | PASS |
|     |      |      | NV | 30 | -20000.00 | -3.795066 | 20 | PASS |
|     |      |      | NV | 40 | -20500.00 | -3.889943 | 20 | PASS |
|     | Ant1 | 5310 | NV | 45 | -20500.00 | -3.889943 | 20 | PASS |
|     |      |      | NV | 0  | -19500.00 | -3.672316 | 20 | PASS |
|     |      |      | NV | 10 | -20000.00 | -3.766478 | 20 | PASS |
|     |      |      | NV | 20 | -20000.00 | -3.766478 | 20 | PASS |
|     |      |      | NV | 30 | -20500.00 | -3.860640 | 20 | PASS |
|     |      |      | NV | 40 | -20500.00 | -3.860640 | 20 | PASS |
|     | Ant2 | 5310 | NV | 45 | -21000.00 | -3.954802 | 20 | PASS |
|     |      |      | NV | 0  | -20000.00 | -3.766478 | 20 | PASS |
|     |      |      | NV | 10 | -20500.00 | -3.860640 | 20 | PASS |
|     |      |      | NV | 20 | -20500.00 | -3.860640 | 20 | PASS |
|     |      |      | NV | 30 | -20500.00 | -3.860640 | 20 | PASS |
|     |      |      | NV | 40 | -20500.00 | -3.860640 | 20 | PASS |

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|     |      |      |    |    |           |           |    |      |
|-----|------|------|----|----|-----------|-----------|----|------|
|     |      |      | NV | 40 | -20500.00 | -3.860640 | 20 | PASS |
|     |      |      | NV | 45 | -20500.00 | -3.860640 | 20 | PASS |
|     | Ant1 | 5510 | NV | 0  | -20000.00 | -3.629764 | 20 | PASS |
|     |      |      | NV | 10 | -20500.00 | -3.720508 | 20 | PASS |
|     |      |      | NV | 20 | -21000.00 | -3.811252 | 20 | PASS |
|     |      |      | NV | 30 | -21000.00 | -3.811252 | 20 | PASS |
|     |      |      | NV | 40 | -21500.00 | -3.901996 | 20 | PASS |
|     |      |      | NV | 45 | -21500.00 | -3.901996 | 20 | PASS |
|     | Ant2 | 5510 | NV | 0  | -22000.00 | -3.992740 | 20 | PASS |
|     |      |      | NV | 10 | -22500.00 | -4.083485 | 20 | PASS |
|     |      |      | NV | 20 | -22500.00 | -4.083485 | 20 | PASS |
|     |      |      | NV | 30 | -22500.00 | -4.083485 | 20 | PASS |
|     |      |      | NV | 40 | -23000.00 | -4.174229 | 20 | PASS |
|     |      |      | NV | 45 | -23000.00 | -4.174229 | 20 | PASS |
|     | Ant1 | 5550 | NV | 0  | -22500.00 | -4.054054 | 20 | PASS |
|     |      |      | NV | 10 | -19000.00 | -3.423423 | 20 | PASS |
|     |      |      | NV | 20 | -21000.00 | -3.783784 | 20 | PASS |
|     |      |      | NV | 30 | -21500.00 | -3.873874 | 20 | PASS |
|     |      |      | NV | 40 | -21500.00 | -3.873874 | 20 | PASS |
|     |      |      | NV | 45 | -22000.00 | -3.963964 | 20 | PASS |
|     | Ant2 | 5550 | NV | 0  | -22500.00 | -4.054054 | 20 | PASS |
|     |      |      | NV | 10 | -23000.00 | -4.144144 | 20 | PASS |
|     |      |      | NV | 20 | -23000.00 | -4.144144 | 20 | PASS |
|     |      |      | NV | 30 | -23000.00 | -4.144144 | 20 | PASS |
|     |      |      | NV | 40 | -23000.00 | -4.144144 | 20 | PASS |
|     |      |      | NV | 45 | -23500.00 | -4.234234 | 20 | PASS |
|     | Ant1 | 5670 | NV | 0  | -21500.00 | -3.791887 | 20 | PASS |
|     |      |      | NV | 10 | -21500.00 | -3.791887 | 20 | PASS |
|     |      |      | NV | 20 | -22000.00 | -3.880071 | 20 | PASS |
|     |      |      | NV | 30 | -22500.00 | -3.968254 | 20 | PASS |
|     |      |      | NV | 40 | -22500.00 | -3.968254 | 20 | PASS |
|     |      |      | NV | 45 | -22500.00 | -3.968254 | 20 | PASS |
|     | Ant2 | 5670 | NV | 0  | -22500.00 | -3.968254 | 20 | PASS |
|     |      |      | NV | 10 | -23000.00 | -4.056437 | 20 | PASS |
|     |      |      | NV | 20 | -23000.00 | -4.056437 | 20 | PASS |
|     |      |      | NV | 30 | -23500.00 | -4.144621 | 20 | PASS |
|     |      |      | NV | 40 | -23500.00 | -4.144621 | 20 | PASS |
|     |      |      | NV | 45 | -23500.00 | -4.144621 | 20 | PASS |
|     | Ant1 | 5755 | NV | 0  | -20500.00 | -3.562120 | 20 | PASS |
|     |      |      | NV | 10 | -21000.00 | -3.649001 | 20 | PASS |
|     |      |      | NV | 20 | -21000.00 | -3.649001 | 20 | PASS |
|     |      |      | NV | 30 | -21000.00 | -3.649001 | 20 | PASS |
|     |      |      | NV | 40 | -21000.00 | -3.649001 | 20 | PASS |
|     |      |      | NV | 45 | -21000.00 | -3.649001 | 20 | PASS |
|     | Ant2 | 5755 | NV | 0  | -22000.00 | -3.822763 | 20 | PASS |
|     |      |      | NV | 10 | -22000.00 | -3.822763 | 20 | PASS |
|     |      |      | NV | 20 | -22000.00 | -3.822763 | 20 | PASS |
|     |      |      | NV | 30 | -22500.00 | -3.909644 | 20 | PASS |
|     |      |      | NV | 40 | -22500.00 | -3.909644 | 20 | PASS |
|     |      |      | NV | 45 | -22500.00 | -3.909644 | 20 | PASS |
|     | Ant1 | 5795 | NV | 0  | -20500.00 | -3.537532 | 20 | PASS |
|     |      |      | NV | 10 | -21000.00 | -3.623814 | 20 | PASS |
|     |      |      | NV | 20 | -21000.00 | -3.623814 | 20 | PASS |
|     |      |      | NV | 30 | -21000.00 | -3.623814 | 20 | PASS |
|     |      |      | NV | 40 | -21000.00 | -3.623814 | 20 | PASS |
|     |      |      | NV | 45 | -21500.00 | -3.710095 | 20 | PASS |
|     | Ant2 | 5795 | NV | 0  | -22500.00 | -3.882657 | 20 | PASS |
|     |      |      | NV | 10 | -22500.00 | -3.882657 | 20 | PASS |
|     |      |      | NV | 20 | -22500.00 | -3.882657 | 20 | PASS |
|     |      |      | NV | 30 | -22500.00 | -3.882657 | 20 | PASS |
|     |      |      | NV | 40 | -23000.00 | -3.968939 | 20 | PASS |
|     |      |      | NV | 45 | -22500.00 | -3.882657 | 20 | PASS |
| 80M | Ant1 | 5210 | NV | 0  | -17500.00 | -3.358925 | 20 | PASS |
|     |      |      | NV | 10 | -18000.00 | -3.454894 | 20 | PASS |
|     |      |      | NV | 20 | -18500.00 | -3.550864 | 20 | PASS |

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|      |      |      |    |    |           |           |    |      |
|------|------|------|----|----|-----------|-----------|----|------|
|      |      |      | NV | 30 | -18500.00 | -3.550864 | 20 | PASS |
|      |      |      | NV | 40 | -19000.00 | -3.646833 | 20 | PASS |
|      |      |      | NV | 45 | -19000.00 | -3.646833 | 20 | PASS |
|      | Ant2 | 5210 | NV | 0  | -18500.00 | -3.550864 | 20 | PASS |
|      |      |      | NV | 10 | -18500.00 | -3.550864 | 20 | PASS |
|      |      |      | NV | 20 | -18500.00 | -3.550864 | 20 | PASS |
|      |      |      | NV | 30 | -18500.00 | -3.550864 | 20 | PASS |
|      |      |      | NV | 40 | -18500.00 | -3.550864 | 20 | PASS |
|      |      |      | NV | 45 | -19000.00 | -3.646833 | 20 | PASS |
|      | Ant1 | 5290 | NV | 0  | -19500.00 | -3.686200 | 20 | PASS |
|      |      |      | NV | 10 | -20000.00 | -3.780718 | 20 | PASS |
|      |      |      | NV | 20 | -20000.00 | -3.780718 | 20 | PASS |
|      |      |      | NV | 30 | -20000.00 | -3.780718 | 20 | PASS |
|      |      |      | NV | 40 | -20000.00 | -3.780718 | 20 | PASS |
|      |      |      | NV | 45 | -20500.00 | -3.875236 | 20 | PASS |
|      | Ant2 | 5290 | NV | 0  | -19000.00 | -3.591682 | 20 | PASS |
|      |      |      | NV | 10 | -19500.00 | -3.686200 | 20 | PASS |
|      |      |      | NV | 20 | -19500.00 | -3.686200 | 20 | PASS |
|      |      |      | NV | 30 | -19500.00 | -3.686200 | 20 | PASS |
|      |      |      | NV | 40 | -20000.00 | -3.780718 | 20 | PASS |
|      |      |      | NV | 45 | -20000.00 | -3.780718 | 20 | PASS |
|      | Ant1 | 5530 | NV | 0  | -19500.00 | -3.526221 | 20 | PASS |
|      |      |      | NV | 10 | -20000.00 | -3.616637 | 20 | PASS |
|      |      |      | NV | 20 | -20500.00 | -3.707052 | 20 | PASS |
|      |      |      | NV | 30 | -21000.00 | -3.797468 | 20 | PASS |
|      |      |      | NV | 40 | -21000.00 | -3.797468 | 20 | PASS |
|      |      |      | NV | 45 | -21000.00 | -3.797468 | 20 | PASS |
|      | Ant2 | 5530 | NV | 0  | -22500.00 | -4.068716 | 20 | PASS |
|      |      |      | NV | 10 | -22500.00 | -4.068716 | 20 | PASS |
|      |      |      | NV | 20 | -22500.00 | -4.068716 | 20 | PASS |
|      |      |      | NV | 30 | -23000.00 | -4.159132 | 20 | PASS |
|      |      |      | NV | 40 | -22500.00 | -4.068716 | 20 | PASS |
|      |      |      | NV | 45 | -23000.00 | -4.159132 | 20 | PASS |
|      | Ant1 | 5610 | NV | 0  | -21500.00 | -3.832442 | 20 | PASS |
|      |      |      | NV | 10 | -22000.00 | -3.921569 | 20 | PASS |
|      |      |      | NV | 20 | -22000.00 | -3.921569 | 20 | PASS |
|      |      |      | NV | 30 | -22000.00 | -3.921569 | 20 | PASS |
|      |      |      | NV | 40 | -22500.00 | -4.010695 | 20 | PASS |
|      |      |      | NV | 45 | -22500.00 | -4.010695 | 20 | PASS |
|      | Ant2 | 5610 | NV | 0  | -22500.00 | -4.010695 | 20 | PASS |
|      |      |      | NV | 10 | -23000.00 | -4.099822 | 20 | PASS |
|      |      |      | NV | 20 | -23000.00 | -4.099822 | 20 | PASS |
|      |      |      | NV | 30 | -23500.00 | -4.188948 | 20 | PASS |
|      |      |      | NV | 40 | -23500.00 | -4.188948 | 20 | PASS |
|      |      |      | NV | 45 | -23500.00 | -4.188948 | 20 | PASS |
|      | Ant1 | 5775 | NV | 0  | -19500.00 | -3.376623 | 20 | PASS |
|      |      |      | NV | 10 | -20000.00 | -3.463203 | 20 | PASS |
|      |      |      | NV | 20 | -20500.00 | -3.549784 | 20 | PASS |
|      |      |      | NV | 30 | -20500.00 | -3.549784 | 20 | PASS |
|      |      |      | NV | 40 | -20500.00 | -3.549784 | 20 | PASS |
|      |      |      | NV | 45 | -21000.00 | -3.636364 | 20 | PASS |
|      | Ant2 | 5775 | NV | 0  | -22000.00 | -3.809524 | 20 | PASS |
|      |      |      | NV | 10 | -22000.00 | -3.809524 | 20 | PASS |
|      |      |      | NV | 20 | -22000.00 | -3.809524 | 20 | PASS |
|      |      |      | NV | 30 | -22000.00 | -3.809524 | 20 | PASS |
|      |      |      | NV | 40 | -22500.00 | -3.896104 | 20 | PASS |
|      |      |      | NV | 45 | -22500.00 | -3.896104 | 20 | PASS |
| 160M | Ant1 | 5250 | NV | 0  | -17500.00 | -3.333333 | 20 | PASS |
|      |      |      | NV | 10 | -18000.00 | -3.428571 | 20 | PASS |
|      |      |      | NV | 20 | -18500.00 | -3.523810 | 20 | PASS |
|      |      |      | NV | 30 | -18500.00 | -3.523810 | 20 | PASS |
|      |      |      | NV | 40 | -18500.00 | -3.523810 | 20 | PASS |
|      |      |      | NV | 45 | -19000.00 | -3.619048 | 20 | PASS |
|      | Ant2 | 5250 | NV | 0  | -17000.00 | -3.238095 | 20 | PASS |
|      |      |      | NV | 10 | -17500.00 | -3.333333 | 20 | PASS |

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|  |      |      |    |    |           |           |    |      |
|--|------|------|----|----|-----------|-----------|----|------|
|  |      |      | NV | 20 | -17500.00 | -3.333333 | 20 | PASS |
|  |      |      | NV | 30 | -17500.00 | -3.333333 | 20 | PASS |
|  |      |      | NV | 40 | -17500.00 | -3.333333 | 20 | PASS |
|  |      |      | NV | 45 | -17500.00 | -3.333333 | 20 | PASS |
|  | Ant1 | 5570 | NV | 0  | -19500.00 | -3.500898 | 20 | PASS |
|  |      |      | NV | 10 | -20000.00 | -3.590664 | 20 | PASS |
|  |      |      | NV | 20 | -21000.00 | -3.770197 | 20 | PASS |
|  |      |      | NV | 30 | -21500.00 | -3.859964 | 20 | PASS |
|  |      |      | NV | 40 | -21500.00 | -3.859964 | 20 | PASS |
|  |      |      | NV | 45 | -22000.00 | -3.949731 | 20 | PASS |
|  | Ant2 | 5570 | NV | 0  | -22000.00 | -3.949731 | 20 | PASS |
|  |      |      | NV | 10 | -22500.00 | -4.039497 | 20 | PASS |
|  |      |      | NV | 20 | -22500.00 | -4.039497 | 20 | PASS |
|  |      |      | NV | 30 | -22500.00 | -4.039497 | 20 | PASS |
|  |      |      | NV | 40 | -22500.00 | -4.039497 | 20 | PASS |
|  |      |      | NV | 45 | -23000.00 | -4.129264 | 20 | PASS |



### 3.8. Antenna Requirement

#### Requirement

##### **FCC CFR Title 47 Part 15 Subpart C Section 15.203**

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### Test Result

Pass.