

Spurious Emissions (Tx Conducted)

SPECIFICATION: FCC 47 CFR 2.1051

RSS-119 5.8

12.5 kHz Channel Spacing

173.3 MHz @ 100 W

Emission Mask D

| Emission Frequency (MHz) | Level (dBm) | Level (dBc) |
|--------------------------|-------------|-------------|
| ~                        | ~           | ~           |

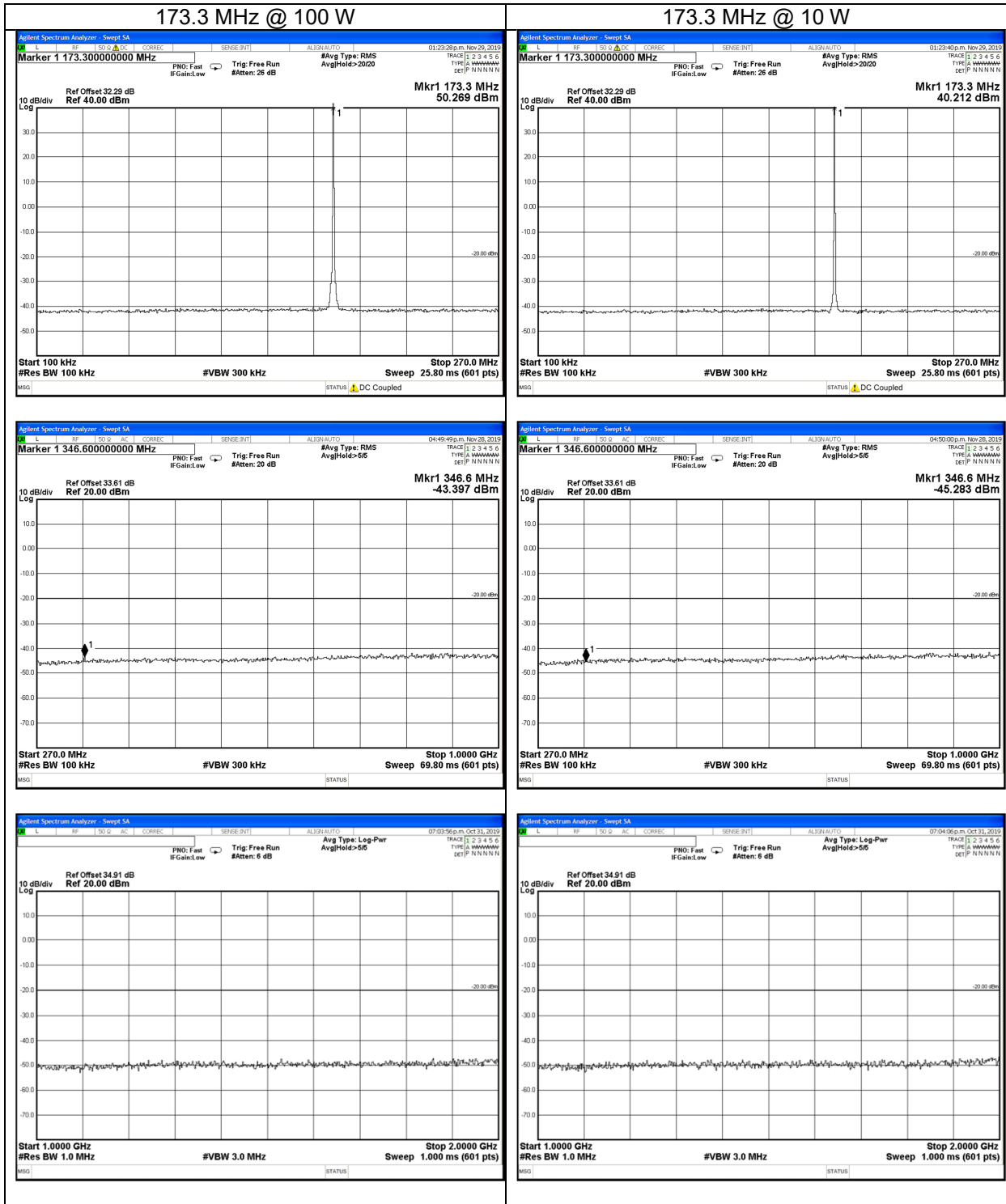
12.5 kHz Channel Spacing

173.3 MHz @ 10 W

Emission Mask D

| Emission Frequency (MHz)  | Level (dBm)         | Level (dBc) |
|---|---------------------|-------------|
| ~   | ~                   | ~           |
| Measurement Uncertainty:  | ≤12.75 GHz ± 3.0 dB |             |
| No emissions were detected at a level greater than 20 dB below the limit. |                     |             |

Spurious Emissions (Tx Conducted)



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SPECIFICATION: FCC 47 CFR 2.1051 RSS-119 5.8  
LIMITS: FCC 47 CFR 90.210 RSS-119 5.8

| Carrier Output Power | Emission Mask D<br>12.5 kHz Channel Spacing<br>$50 + 10 \text{ Log}_{10} (P_{\text{Watts}})$ |         |
|----------------------|--|---------|
|                      | 100 W  | -20 dBm |
| 10 W                 | -20 dBm  | -60 dBc |

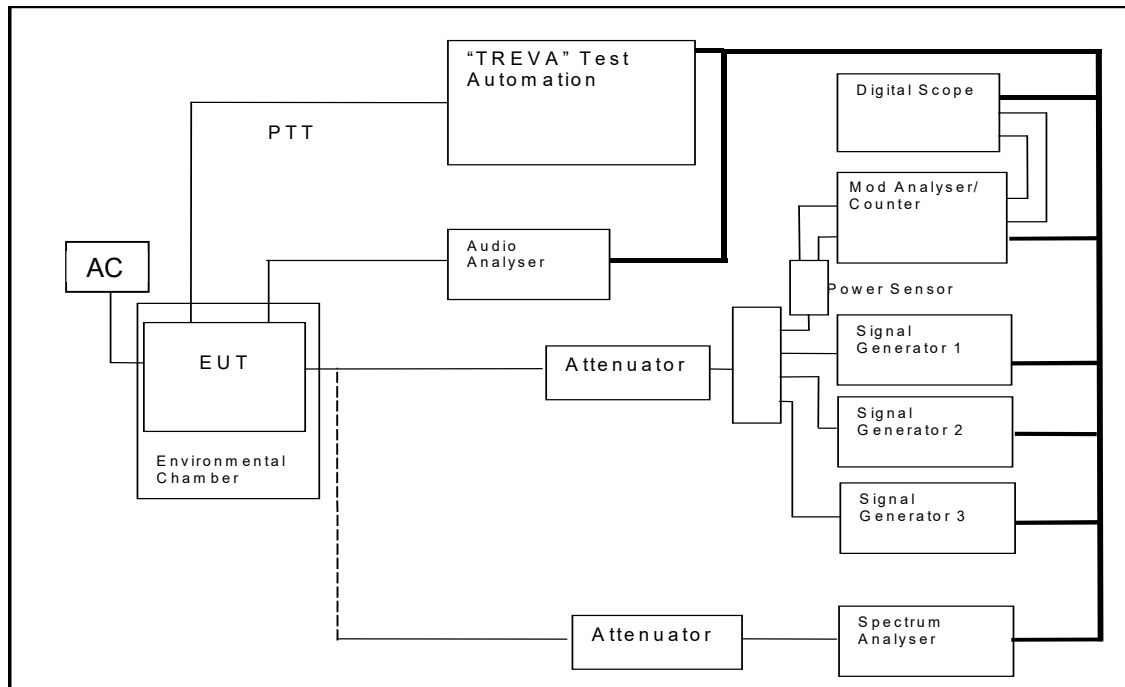
## TEST EQUIPMENT LIST

| Equipment Type                   | Information             | Manufacturer       | Model No            | Serial No#    | Tait ID | Cal Due   |
|----------------------------------|-------------------------|--------------------|---------------------|---------------|---------|-----------|
| AC Voltmeter                     |                         | Tait               |                     | 2             |         | 15-Apr-20 |
| Audio Analyser                   | TREVA2                  | Hewlett Packard    | HP8903B             | 2818A04275    | E3710   | 9-Oct-20  |
| Coax Cable                       | 2m Black                | Suhner             | RG214HF/Nm/Nm/2000  | TeltestBlack6 | E4849   | 24-Oct-20 |
| Coax Cable                       | 2m Black                | Suhner             | RG214HF/Nm/Nm/2000  | TeltestBlack5 | E4850   | 24-Oct-20 |
| Coax Cable                       | 2m Black                | Suhner             | RG214HF/Nm/Nm/2000  | TeltestBlack8 | E5005   | 5-Nov-20  |
| Filter High Pass/<br>Notch       | 135 to 175MHz           | Tait               |                     | N/A           | E3382   | 5-Oct-20  |
| Modulation<br>Analyser           | TREVA2                  | Hewlett Packard    | HP8901B (Opt 002)   | 3704A05837    | E3786   | 4-Oct-20  |
| Power Supply                     | AC Variac               | Yamabishi          | S-260-5             | TX-533        | E1737   |           |
| RF Attenuator                    | TREVA2 20dB<br>150W     | Weinschel          | 40-20-33            | CJ405         | E3733   | 23-Oct-20 |
| RF Attenuator                    | 33dB 350W               | Weinschel          | 67-30-33 & BW-N3W5+ | CK9178        | E5023   | 15-Jul-20 |
| RF Attenuator                    | TREVA2 3dB              | Weinschel          | Model 1             | BL9950        | E4080   | 23-Jul-20 |
| RF Combiner                      | TREVA2                  | Minicircuits       | ZFSC-4-1            | -             | E4084   |           |
| Signal Generator                 | TREVA2<br>Analog 3.3GHz | Rohde &<br>Schwarz | SML03 1090.3000.13  | 100597        | E4050   | 9-Oct-20  |
| Spectrum<br>Analyser             | 26.5GHz                 | Agilent            | PXA N9030A          | MY49432161    | E4907   | 27-Oct-20 |
| Temp &<br>Humidity<br>datalogger |                         | Hobo               | U21-011             | 10134275      | E4980   | 5-May-20  |
| TREVA 2                          |                         | Teltest            | -                   | 2             | -       | 7-May-20  |
| Testware                         | Occupied<br>Bandwidth   |                    | July 2019           | -             | -       |           |
| Testware                         | Sideband<br>Spectrum    |                    | February 2017       | -             | -       |           |
| Testware                         | TREVA                   |                    | 7 February 2019     | -             | -       |           |

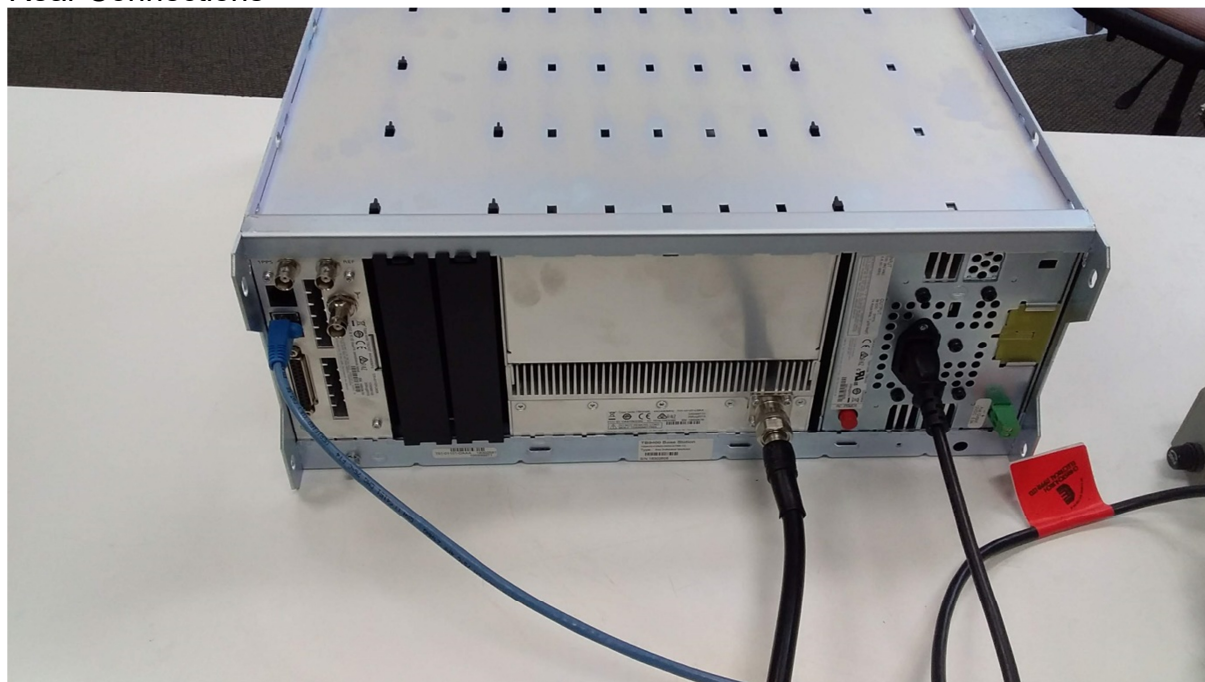
NOTE: Items without calibration dates are calibrated immediately before use, or set using calibrated instruments.

## ANNEX A – TEST SETUP DETAILS

All testing is performed using the Teltest Radio **EVA**luation system (TREVA), which is configured as shown below. The Spectrum Analyser is connected to the EUT via the attenuator network for Occupied Bandwidth tests.



### Rear Connections



END OF REPORT