

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)



Spurious Emissions (Tx Conducted)

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 12.5 kHz Channel Spacing $50 + 10 \log_{10} (P_{\text{Watts}})$	
	-20 dBm	-70 dBc
100 W	-20 dBm	-70 dBc
10 W	-20 dBm	-60 dBc

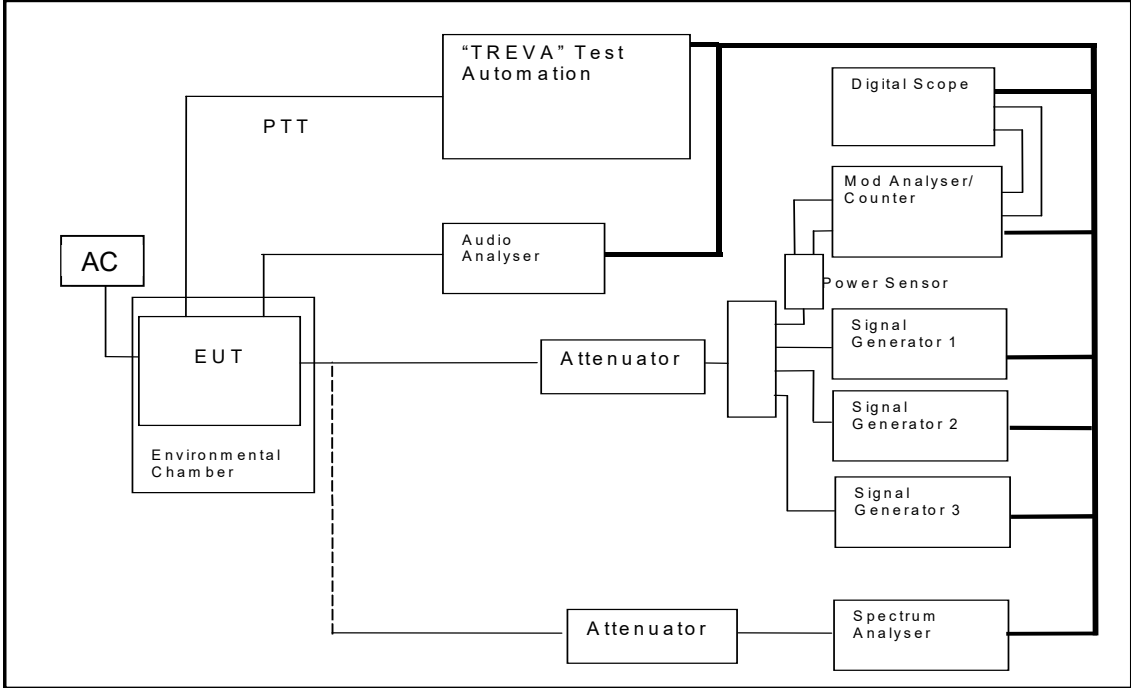
TEST EQUIPMENT LIST

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/ Notch	135 to 175MHz	Tait		N/A	E3382	5-Oct-20
Modulation 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 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 Analog 3.3GHz	Rohde & Schwarz	SML03 1090.3000.13	100597	E4050	9-Oct-20
Spectrum Analyser	26.5GHz	Agilent	PXA N9030A	MY49432161	E4907	27-Oct-20
Temp & Humidity datalogger		Hobo	U21-011	10134275	E4980	5-May-20
TREVA 2		Teltest	-	2	-	7-May-20
Testware	Occupied Bandwidth		July 2019	-	-	
Testware	Sideband Spectrum		February 2017	-	-	
Testware	TREVA		7 February 2019	-	-	

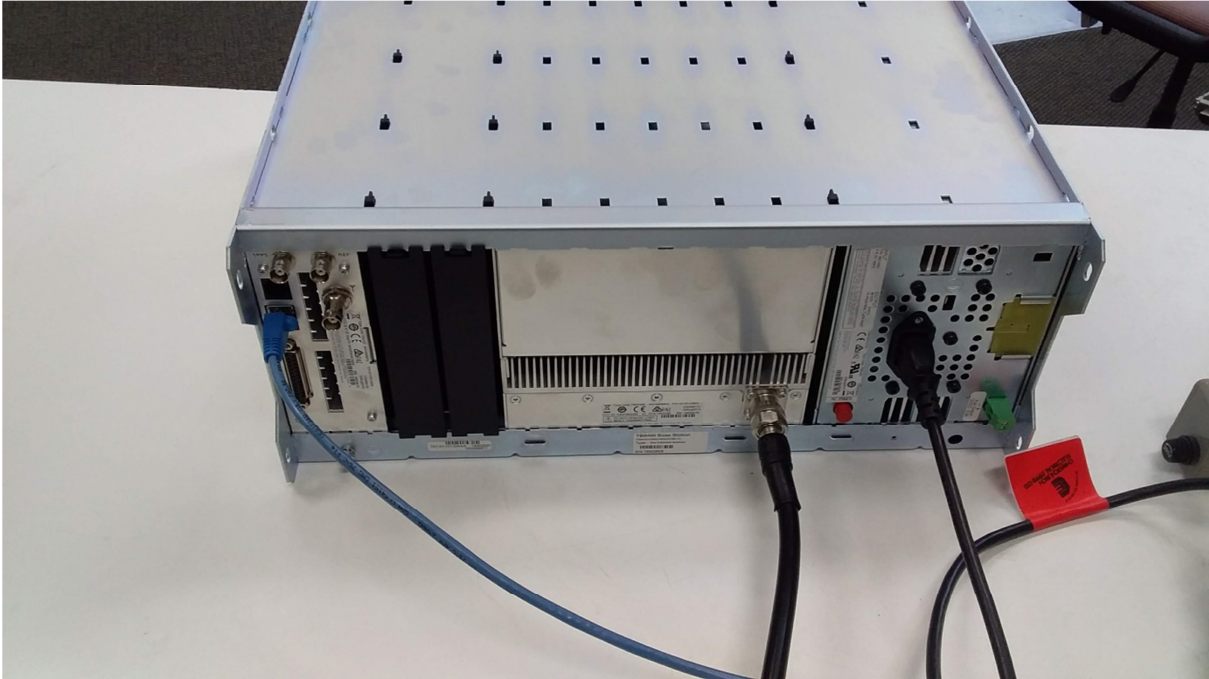
NOTE: Items without calibration dates are calibrated immediately before use, or set using calibrated instruments.

ANNEX A – TEST SETUP DETAILS

All testing is performed using the **Teltest Radio EVALuation** 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