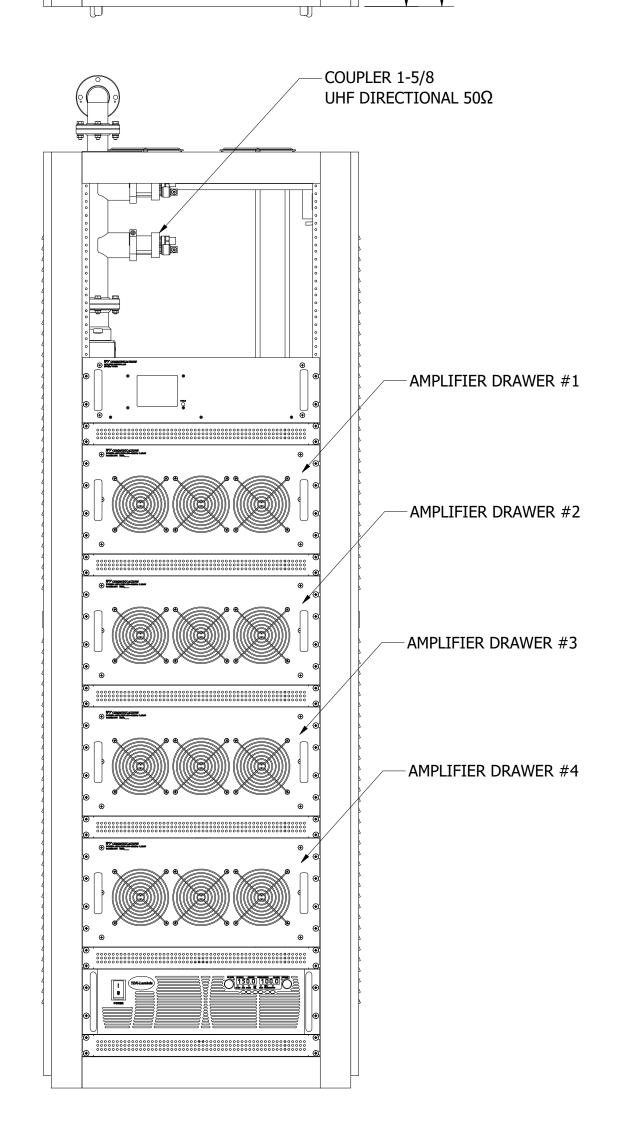
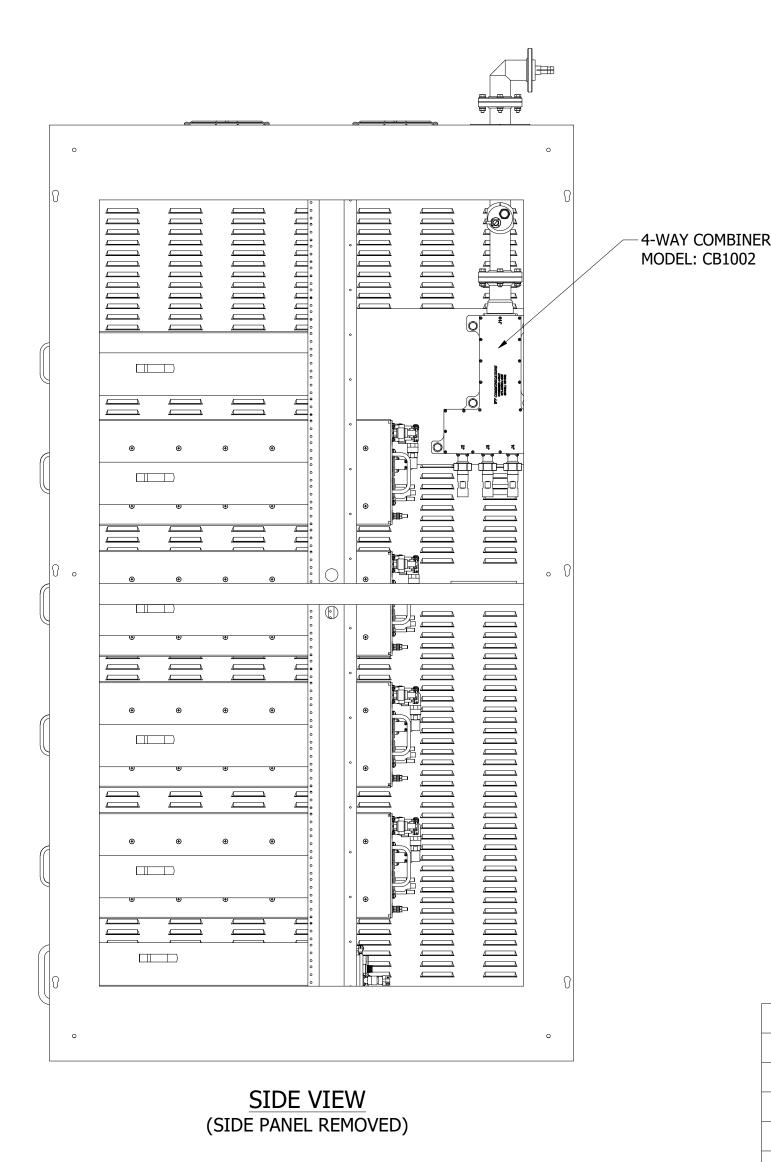
REVISIONS DESCRIPTION DATE A RELEASED 11/4/2021

- 4.36 4X FAN AIR EXHAUST TOP PANEL





SPECIFICATIONS SUMMARY

OPERATING FREQUENCY RANGES: 370-450MHz

RF OUTPUT POWER: 5kW Min at P1dB Compression Pt.

Integral Output Isolator protected No Oscillation **RF OUTPUT PROTECTION:**

at any Phase Angle at any Load Impedance

-5dBm to +3dBm **RF INPUT POWER:**

MAXIMUM RF INPUT POWER: +10dBm Maximum W/O Damage ±1.5dB Maximum / 1.05:1 Load VSWR **SMALL SIGNAL GAIN FLATNESS:**

INPUT AND OUTPUT IMPEDANCE: 50Ω Nominal

1.5:1 Maximum (Ref 50Ω) **INPUT VSWR: HARMONIC SIGNAL LEVELS: Integral Low Pass Filter**

-80dBc Maximum from 1100 – 2750MHz

-60dBc Maximum **SPURIOUS SIGNAL LEVELS: RF OUTPUT CONNECTOR:** Type 1-5/8 EIA Flange **OUTPUT POWER CONTROL:** 23dBc Minimum

DUTY CYCLE

100%

RF OUTPUT TURN-ON-TIME: 50 mSec Maximum after RF power received **COOLING:** Forced air via integral Front Panel Intake and

Rear Panel Exhaust Fans

OVER TEMPERATURE PROTECTION: Thermostat Shut-Off Indication at +77°C

Heatsink Temperature

LOCAL CONTROL: Via Front Panel Color Touchscreen LCD **REMOTE CONTROL:** Via RS-232 & Ethernet UDP/IP (Both) **OPERATION MODES:** Linear (VVA), Auto Level Control (ALC) Amplifier STANDBY/ONLINE (Mute) **STANDARD FEATURES:**

Power Units in dBm or Watts

Fault Indications

VSWR Fault settable threshold

Graceful Degradation upon devices faults

Operating 0 to +50°C **TEMPERATURE RANGES: ALTITUDE:** MSL to 10,000 Ft

30.0" Maximum **CHASSIS DEPTH:**

342-440VAC, 47-63Hz 3 Phase **AC INPUT POWER:**

15kW Maximum

WEIGHT: 650 Lbs. Maximum

SYSTEM: SYS1053

		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:	APPROVALS	DATE	TX/T/ C 1125 A Business Center Circle
		FRACTIONS DECIMALS ANGLES HOLES ± 1/64	FREDERICK B.	11/4/2021	WV Communications 1125 A Business Center Circle Newbury Park, CA
		MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX	СНЕСКЕД	11/4/2021	AMPLIFIER SYSTEM
		- -	MECH ENGR	11/4/2021	370-450MHz 5kW
900-50534	SYS1053	FINISH -	ELEC ENGR JT	11/4/2021	MODEL: SYS1053 SIZE CAGE CODE DWG, NO. REV
NEXT ASSEMBLY	USED ON	-	PRODUCTION AM	11/4/2021	D 1GFQ7 050-51034-001 A
\ppi ic	`ATION	DO NOT SCALE DRAWING	Q.A.	11/4/2021	SCALE MODEL NO. SHEET

FRONT VIEW

11/4/2021

NONE

SYS1053

1 OF 1