Data: **RF Power and Current output.**
Product: **Cosmo Portable UHF-R2**
Date: **9/20/99**

Power Level: High (4.3 Watts)

Frequency tested	450.025	MHz
Measured RF output power	4.3	Watts
Normal DC voltage	7.5	Volts
Normal DC current	1770	mA
Primary Supply Voltage	7.5	Volts
Frequency tested	511.975	MHz
Measured RF output power	4.3	Watts
Normal DC voltage	7.5	Volts
Normal DC current	1950	mA
Primary Supply Voltage	7.5	Volts

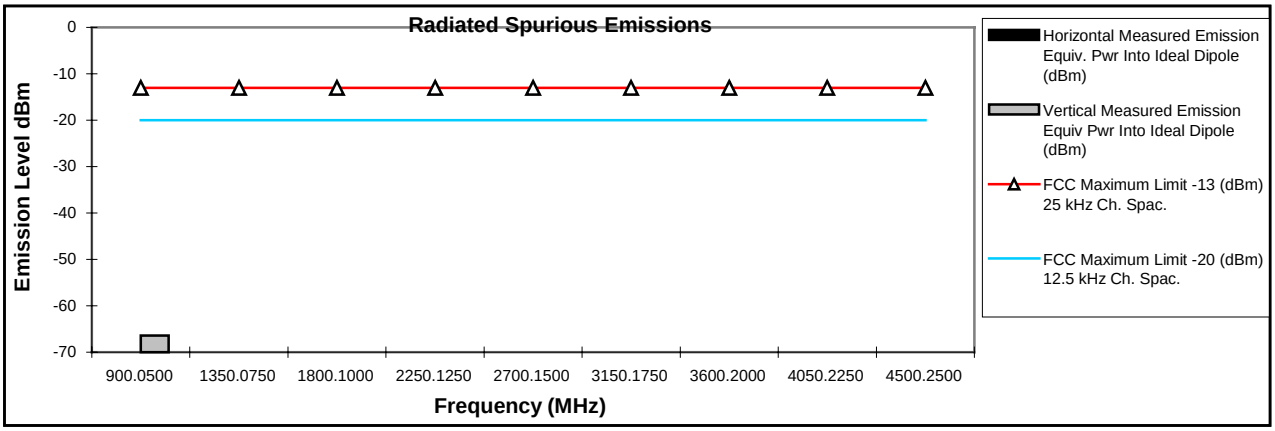
Power Level : Low (1.0 watt)

Frequency tested	450.025	MHz
Measured RF output power	1.0	Watts
Normal DC voltage	7.5	Volts
Normal DC current	950	mA
Primary Supply Voltage	7.5	Volts
Frequency tested	511.975	MHz
Measured RF output power	1.0	Watts
Normal DC voltage	7.5	Volts
Normal DC current	1050	mA
Primary Supply Voltage	7.5	Volts

Transmitter Radiated Spurious Emissions: Cosmo UHF B2

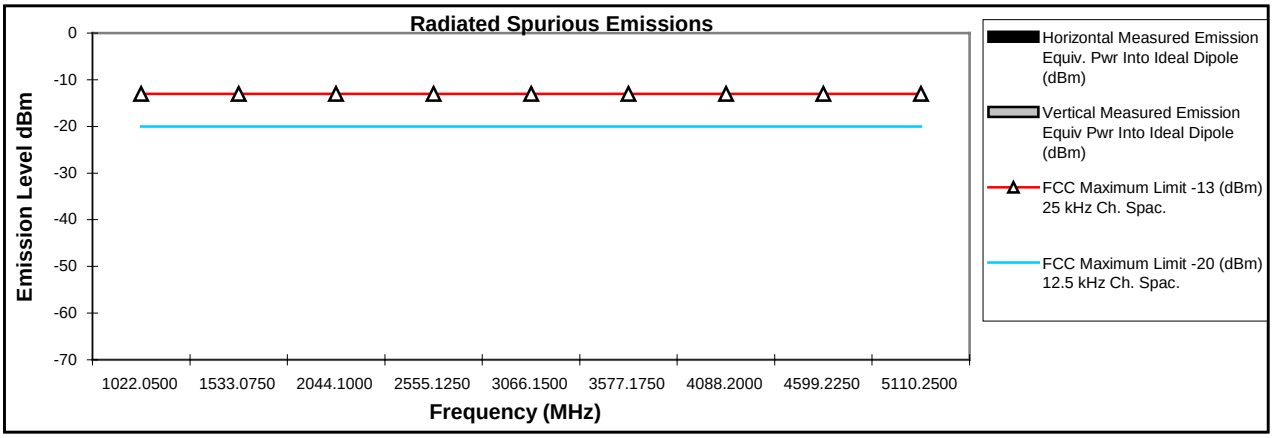
450.025 MHz - 4.0 W - 25 kHz CH. Spacing

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2X FUND	900.0500	-13	-20	-72.5	-66.4
3X FUND	1350.0750	-13	-20	*	*
4X FUND	1800.1000	-13	-20	*	*
5X FUND	2250.1250	-13	-20	*	*
6X FUND	2700.1500	-13	-20	*	*
7X FUND	3150.1750	-13	-20	*	*
8X FUND	3600.2000	-13	-20	*	*
9X FUND	4050.2250	-13	-20	*	*
10XFUND	4500.2500	-13	-20	*	*



511.025 MHz - 4.0 W - 25 kHz CH. Spacing

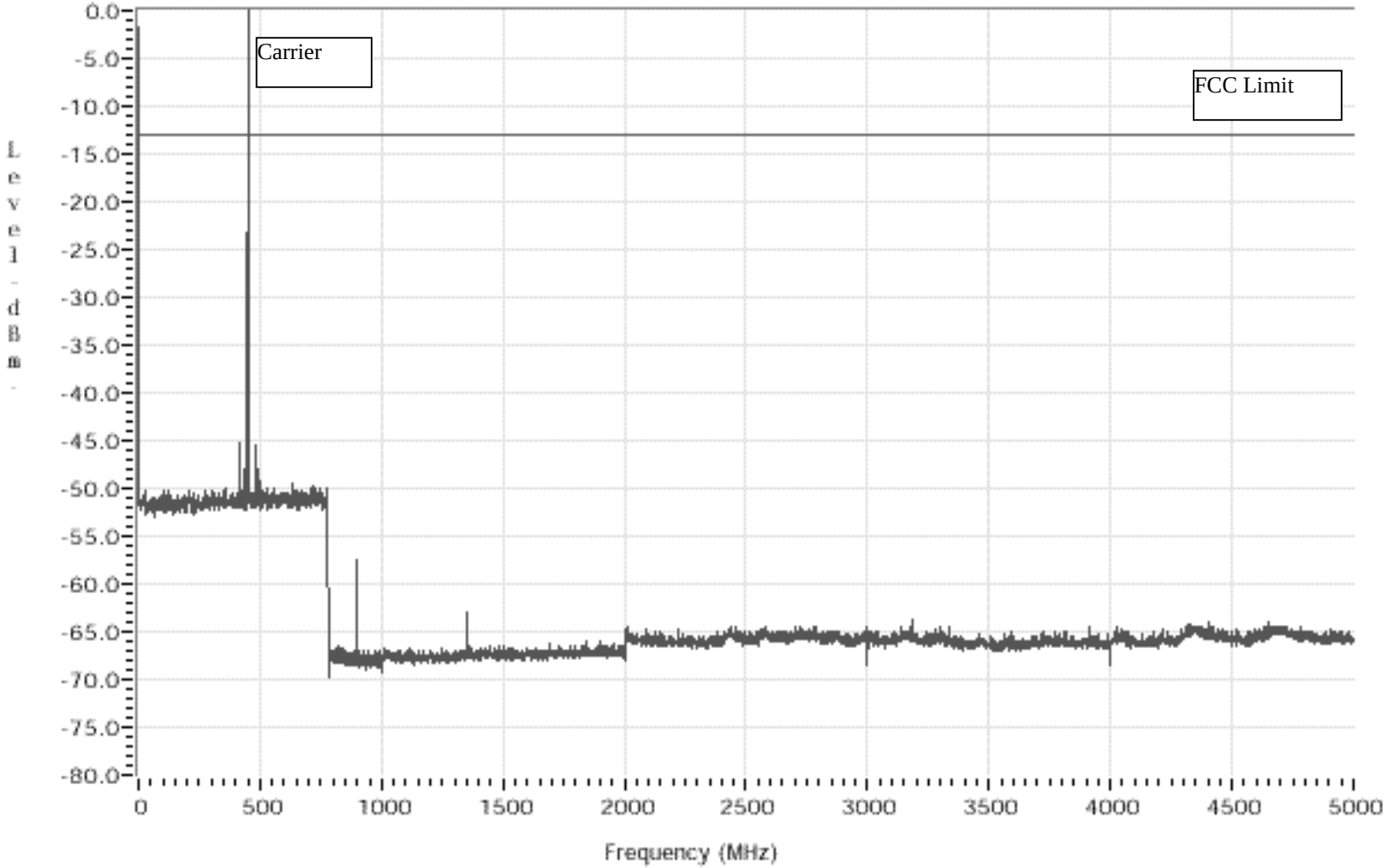
	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2X FUND	1022.0500	-13	-20	*	*
3X FUND	1533.0750	-13	-20	*	*
4X FUND	2044.1000	-13	-20	*	*
5X FUND	2555.1250	-13	-20	*	*
6X FUND	3066.1500	-13	-20	*	*
7X FUND	3577.1750	-13	-20	*	*
8X FUND	4088.2000	-13	-20	*	*
9X FUND	4599.2250	-13	-20	*	*
10XFUND	5110.2500	-13	-20	*	*



* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

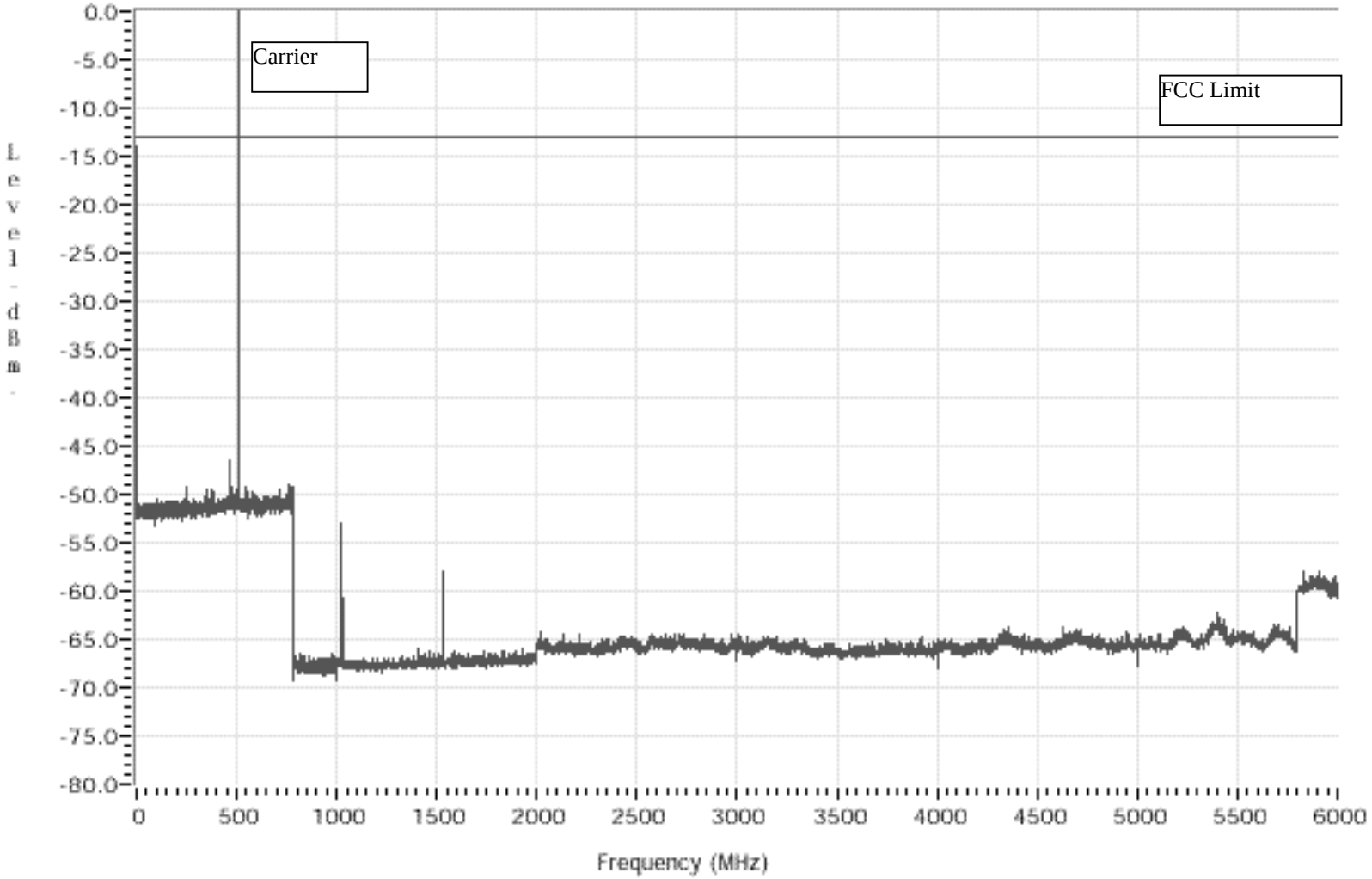
TRANSMITTER CONDUCTED SPURIOUS AND HARMONIC EMISSIONS

Frequency: 450.05 Mhz Power Out: 4.2 W



TRANSMITTER CONDUCTED SPURIOUS AND HARMONIC EMISSIONS

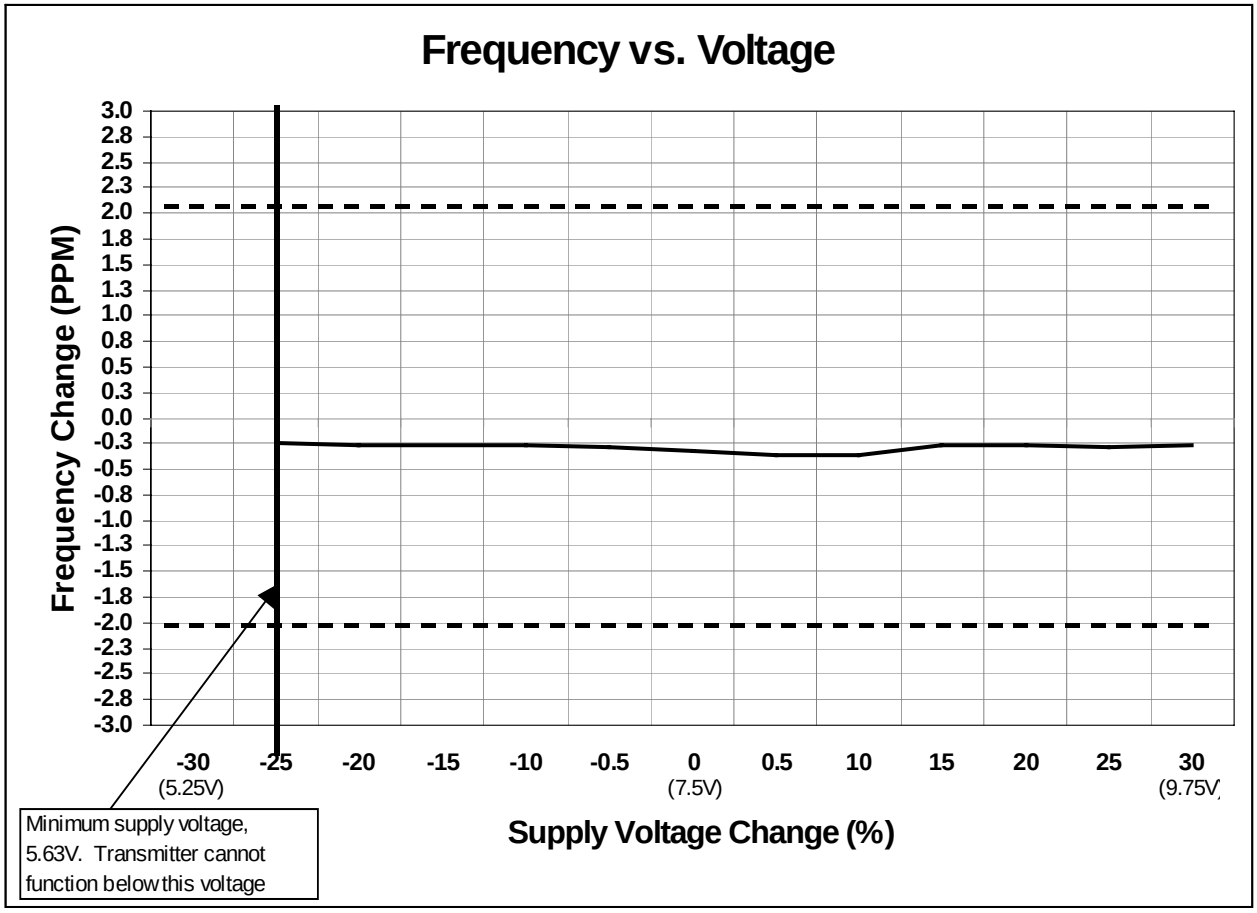
Frequency: 512 MHz Power Out: 4.2 W



STABILITY CHARACTERISTIC
FREQUENCY vs. VOLTAGE

Date: 21th. September 1999
Signature: Thanh Tran

Frequency: 511.975MHz
Supply Voltage: 7.5 Volts



STABILITY CHARACTERISTIC
FREQUENCY vs. TEMPERATURE

Date: 24th. September 1999
Signature: Thanh Tran

Frequency: 511.975MHz