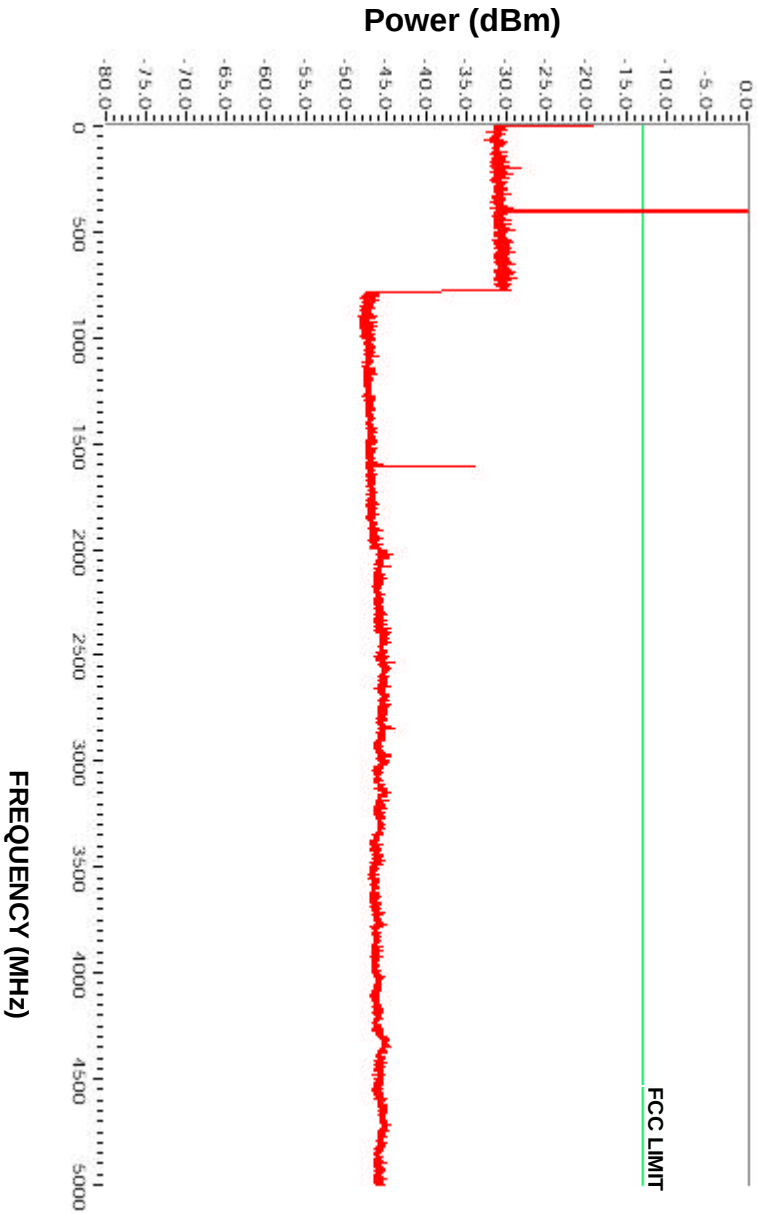


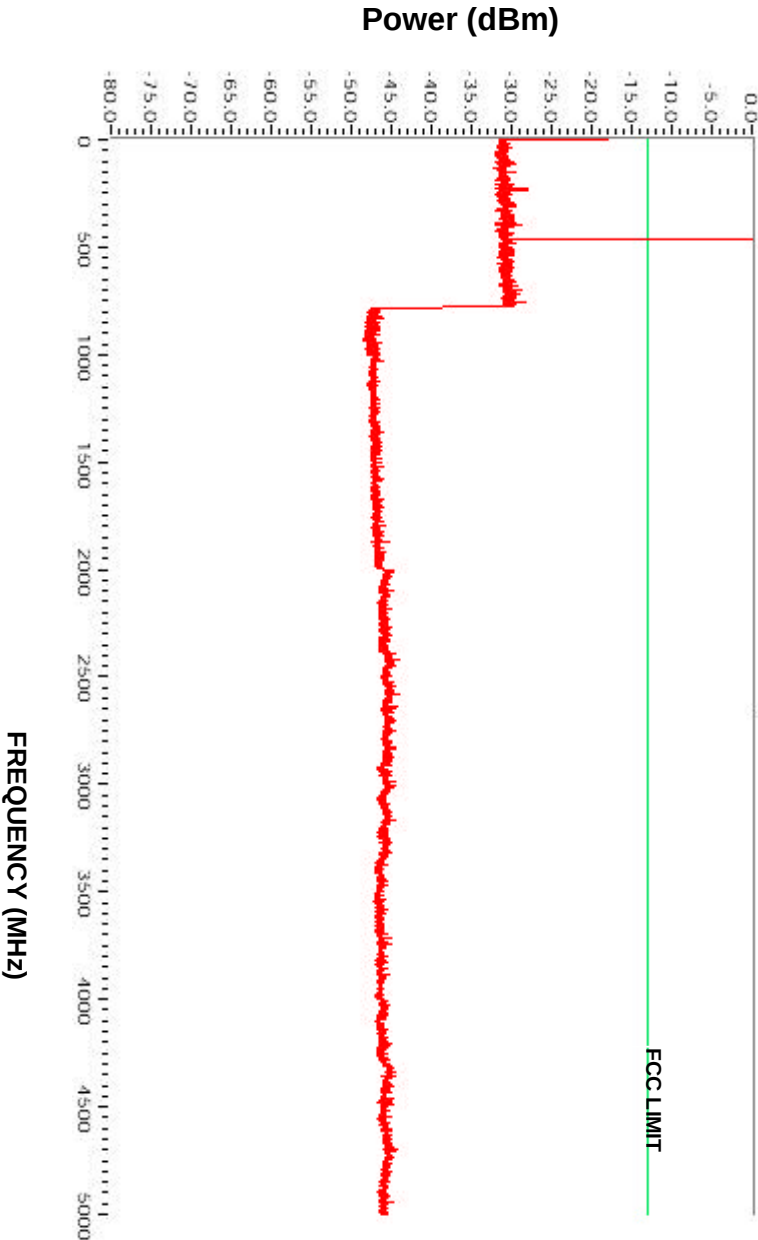
TRANSMITTER CONDUCTED SPURIOUS AND HARMONIC EMISSIONS

Frequency = 403.025 MHz Channel Spacing = 12.5KHz Power = 40.0 W



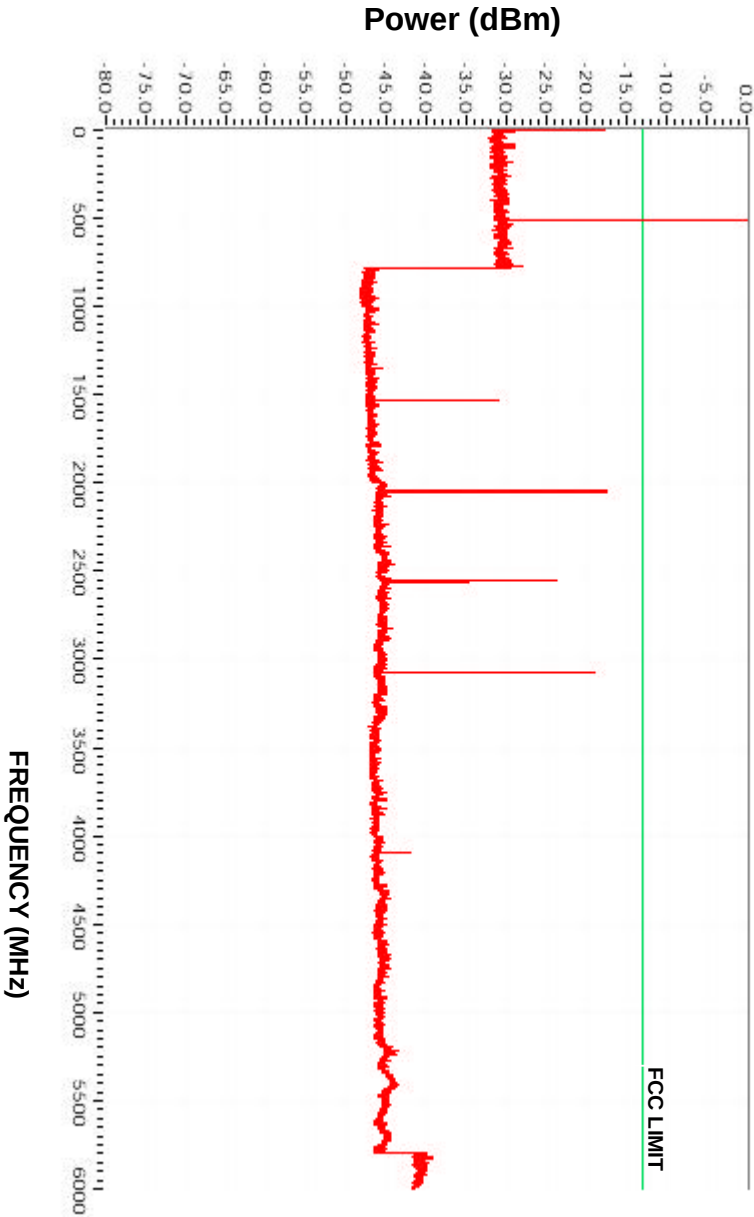
TRANSMITTER CONDUCTED SPURIOUS AND HARMONIC EMISSIONS

Frequency = 466.025 MHz Channel Spacing = 12.5KHz Power = 40.0 W



TRANSMITTER CONDUCTED SPURIOUS AND HARMONIC EMISSIONS

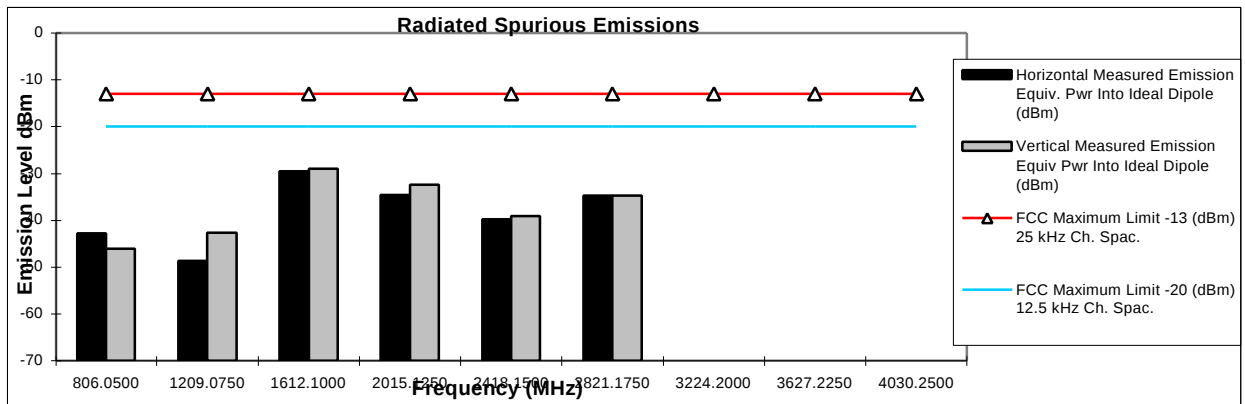
Frequency = 511.950 MHz Channel Spacing = 12.5KHz Power = 40.0 W



Transmitter Radiated Spurious Emissions: Astro Mobile UHF R1 40W

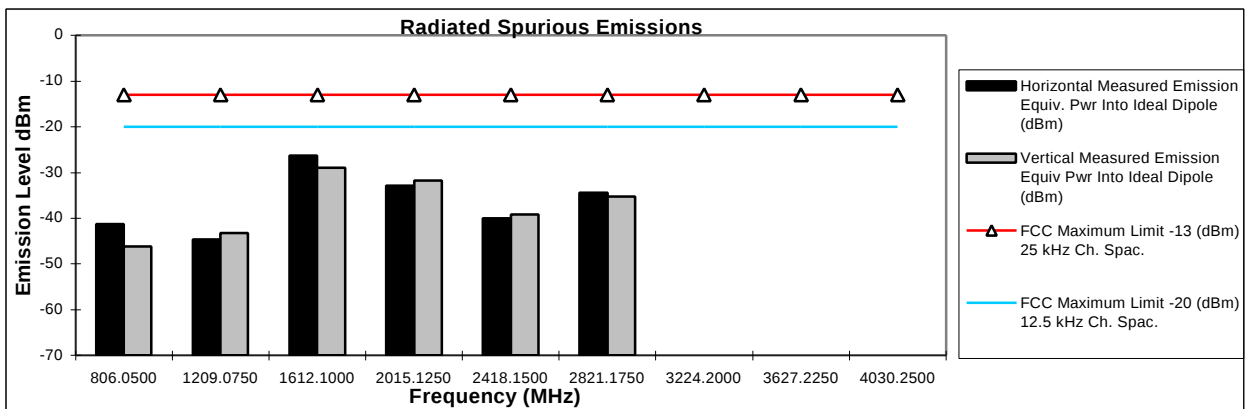
403.025 MHz - 40 W - 25 kHz CH. Spacing - Analog

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)
806.0500	-13	-20	-42.7	-46.0
1209.0750	-13	-20	-48.7	-42.7
1612.1000	-13	-20	-29.5	-29.1
2015.1250	-13	-20	-34.5	-32.4
2418.1500	-13	-20	-39.7	-39.1
2821.1750	-13	-20	-34.7	-34.7
3224.2000	-13	-20	*	*
3627.2250	-13	-20	*	*
4030.2500	-13	-20	*	*



403.025 MHz - 40 W - 12.5 kHz CH. Spacing - Digital

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)
806.0500	-13	-20	-41.2	-46.1
1209.0750	-13	-20	-44.7	-43.2
1612.1000	-13	-20	-26.3	-28.9
2015.1250	-13	-20	-32.8	-31.8
2418.1500	-13	-20	-40.0	-39.2
2821.1750	-13	-20	-34.3	-35.3
3224.2000	-13	-20	*	*
3627.2250	-13	-20	*	*
4030.2500	-13	-20	*	*

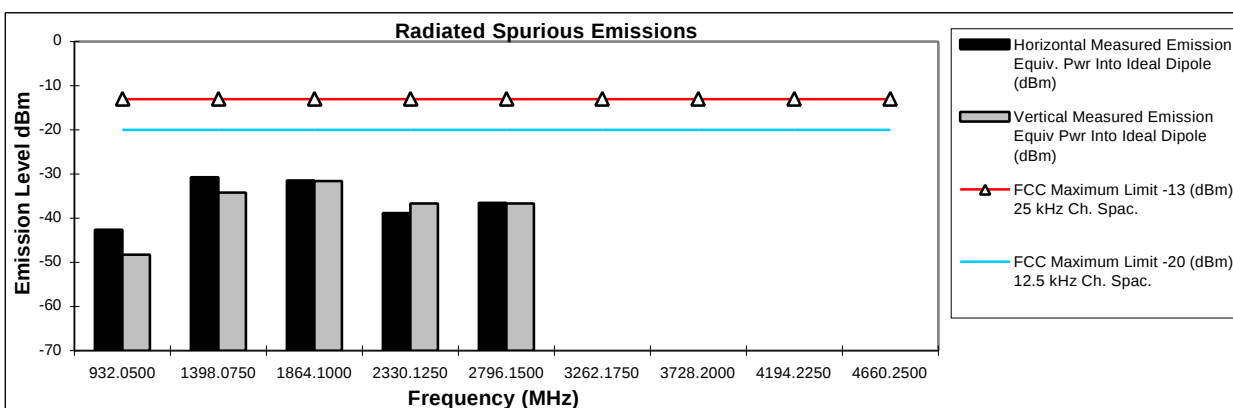


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

Transmitter Radiated Spurious Emissions: Astro Mobile UHF R3 40W

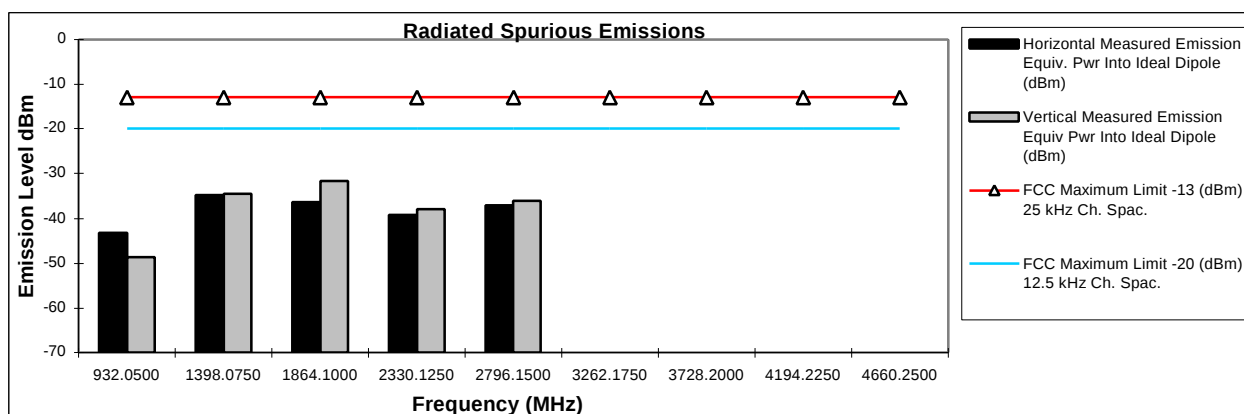
466.025 MHz - 40 W - 25 kHz CH. Spacing - Analog

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)
932.0500	-13	-20	-42.7	-48.3
1398.0750	-13	-20	-30.8	-34.2
1864.1000	-13	-20	-31.5	-31.7
2330.1250	-13	-20	-38.9	-36.8
2796.1500	-13	-20	-36.6	-36.7
3262.1750	-13	-20	*	*
3728.2000	-13	-20	*	*
4194.2250	-13	-20	*	*
4660.2500	-13	-20	*	*



466.025 MHz - 40 W - 12.5 kHz CH. Spacing - Digital

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)
932.0500	-13	-20	-43.2	-48.6
1398.0750	-13	-20	-34.7	-34.6
1864.1000	-13	-20	-36.3	-31.6
2330.1250	-13	-20	-39.3	-38.0
2796.1500	-13	-20	-37.0	-36.0
3262.1750	-13	-20	*	*
3728.2000	-13	-20	*	*
4194.2250	-13	-20	*	*
4660.2500	-13	-20	*	*

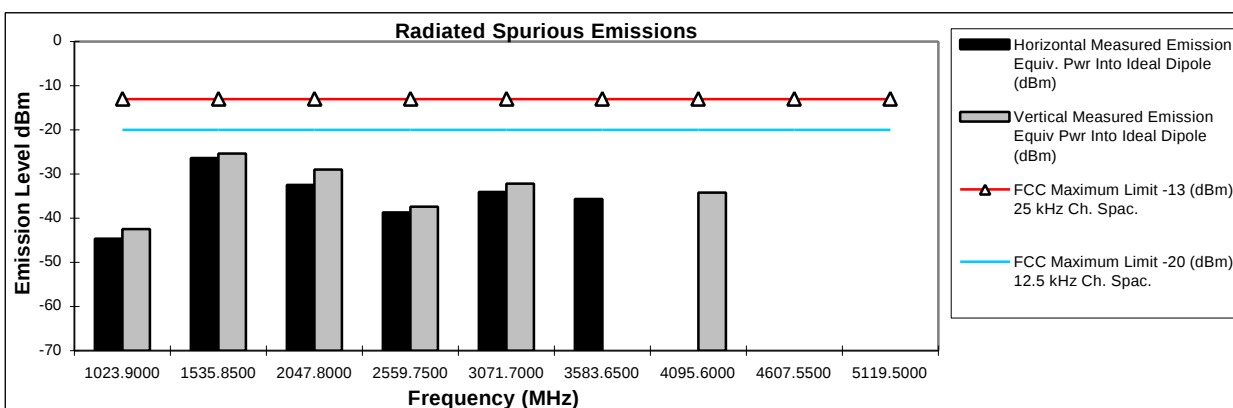


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

Transmitter Radiated Spurious Emissions: Astro Mobile UHF R4 40W

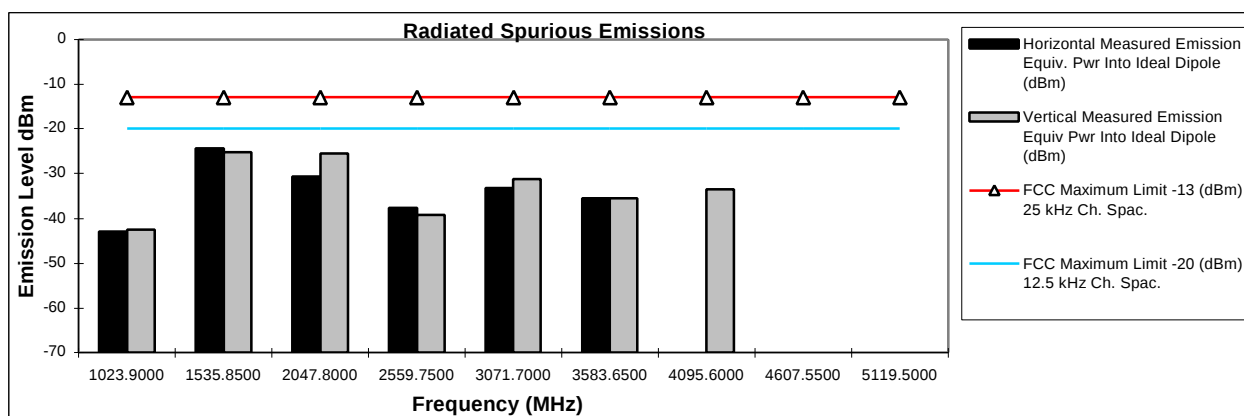
511.95 MHz - 40 W - 25 kHz CH. Spacing - Analog

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)
1023.9000	-13	-20	-44.7	-42.6
1535.8500	-13	-20	-26.4	-25.4
2047.8000	-13	-20	-32.4	-29.0
2559.7500	-13	-20	-38.7	-37.3
3071.7000	-13	-20	-34.0	-32.2
3583.6500	-13	-20	-35.7	*
4095.6000	-13	-20	*	-34.2
4607.5500	-13	-20	*	*
5119.5000	-13	-20	*	*



511.95 MHz - 40 W - 12.5 kHz CH. Spacing - Digital

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)
1023.9000	-13	-20	-43.0	-42.5
1535.8500	-13	-20	-24.3	-25.2
2047.8000	-13	-20	-30.6	-25.5
2559.7500	-13	-20	-37.7	-39.2
3071.7000	-13	-20	-33.2	-31.2
3583.6500	-13	-20	-35.5	-35.5
4095.6000	-13	-20	*	-33.5
4607.5500	-13	-20	*	*
5119.5000	-13	-20	*	*

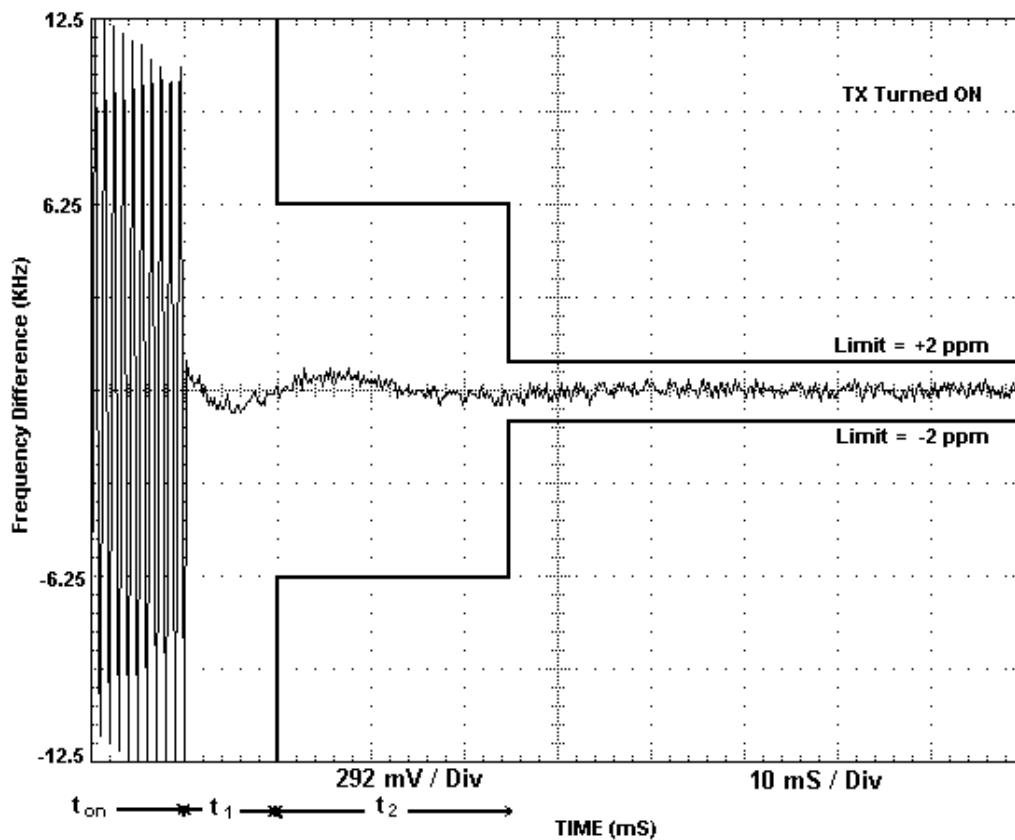


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

TRANSMITTER TRANSIENT FREQUENCY BEHAVIOR

Frequency = 466.025 MHz

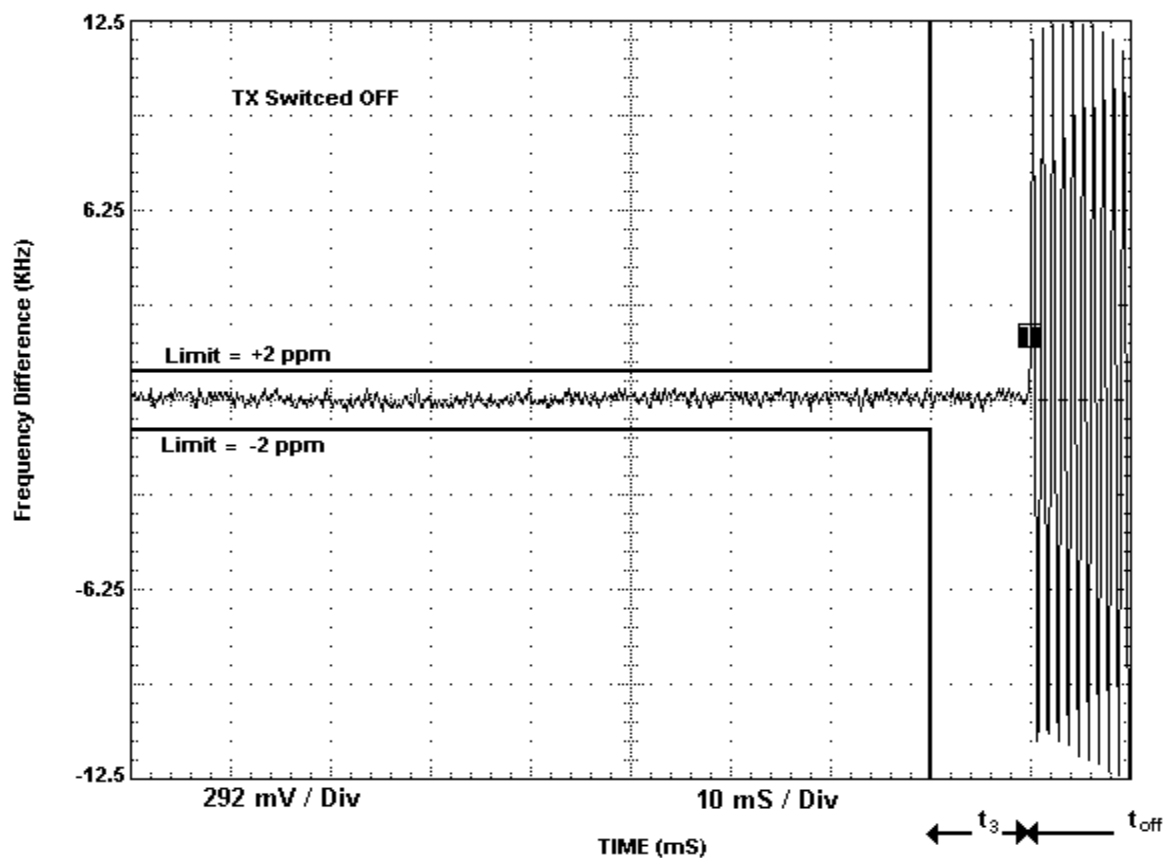
Channel Spacing = 12.5 kHz



TRANSMITTER TRANSIENT FREQUENCY BEHAVIOR

Frequency = 466.025 MHz

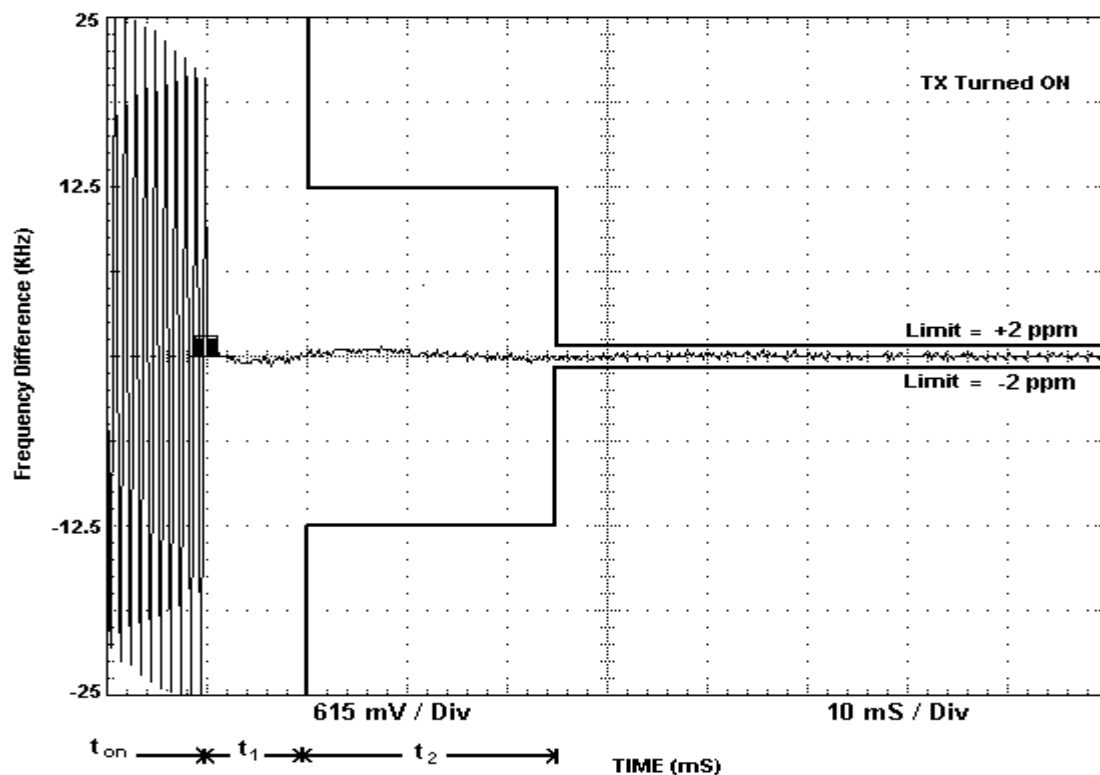
Channel Spacing = 12.5 kHz



TRANSMITTER TRANSIENT FREQUENCY BEHAVIOR

Frequency = 466.025 MHz

Channel Spacing = 25 kHz



TRANSMITTER TRANSIENT FREQUENCY BEHAVIOR

Frequency = 466.025 MHz

Channel Spacing = 25 kHz

