

Test Report

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*Except where otherwise stated, all measurements are made following the Electronic Industries Association (EIA) Minimum Standard for Portable/Personal Land Mobile Communications FM or PM Equipment 25-1000 MHz- (TIA-603-D).

List of applicable FCC and IC rules

Test Name	FCC Rules Part (47 CFR)	IC Rules
RF Power Output Data	2.1046(a), 2.1033(c)(6), 2.1033(c)(7) and 2.1033(c)(8) 90.205	RSS-Gen Sec 4.8, RSS-119 Sec 5.4.1
TX Audio Frequency Response	2.1047 and 2.1033(c)(13)	-
TX Audio Low Pass Filter Response	2.1047	-
Modulation Limiting	2.1047	-
Occupied Bandwidth	2.1049, 90.210	RSS GEN Sec 4.6 RSS 119 Sec 5.5
TX Conducted Spurious Emissions	2.1051, 90.210	RSS GEN Sec 6.2 RSS 119
TX Radiated Spurious Emissions	2.1053, 90.210	RSS GEN Sec 4.9 RSS 119 Sec 4.2, 5.8
Frequency Stability (Temp / Supply Voltage)	2.1055, 90.213,	RSS GEN Sec 4.7 RSS 119 Sec 5.3
Transient Frequency Behavior	90.214	RSS 119 Sec 5.9

RF POWER OUTPUT DATA

The RF power output was measured with the indicated voltage applied to and current into the final RF amplifying device.

1.0 Watt

Frequency	464.55 MHz
Measured Conducted RF output*	1.07 Watts
Normal DC Voltage	3.70 Volts
Normal DC Current	750 milli amps
Primary Supply Voltage	3.70 Volts

*Note: RF Conducted output power measured at 3.70Volts

AUDIO RESPONSE

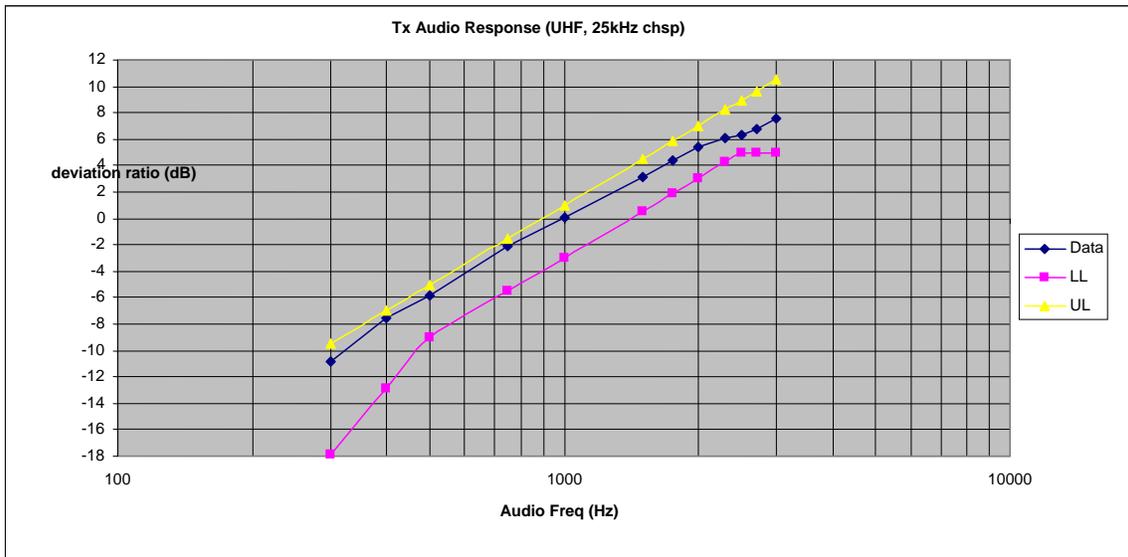
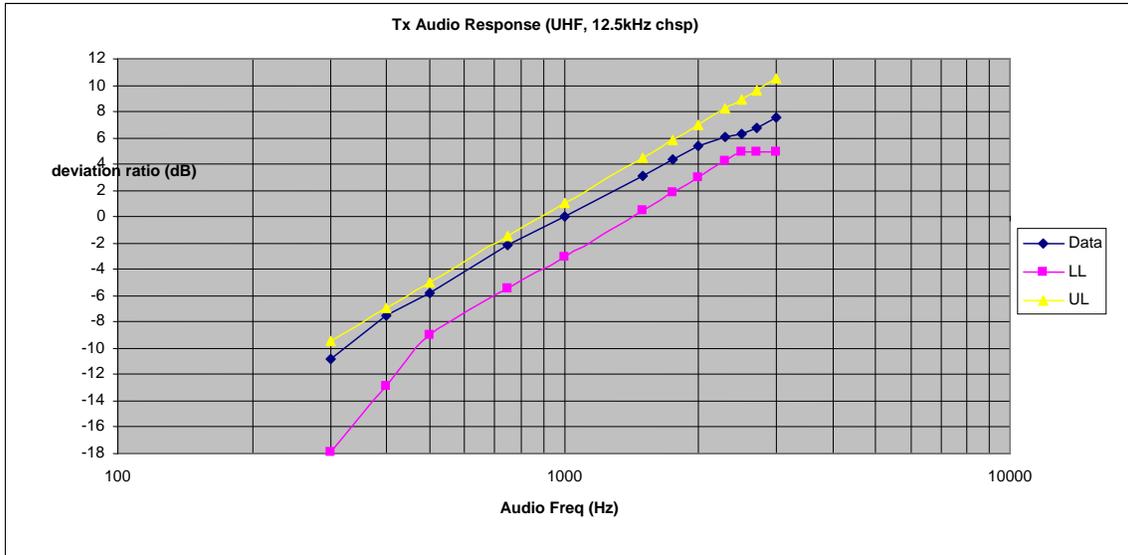
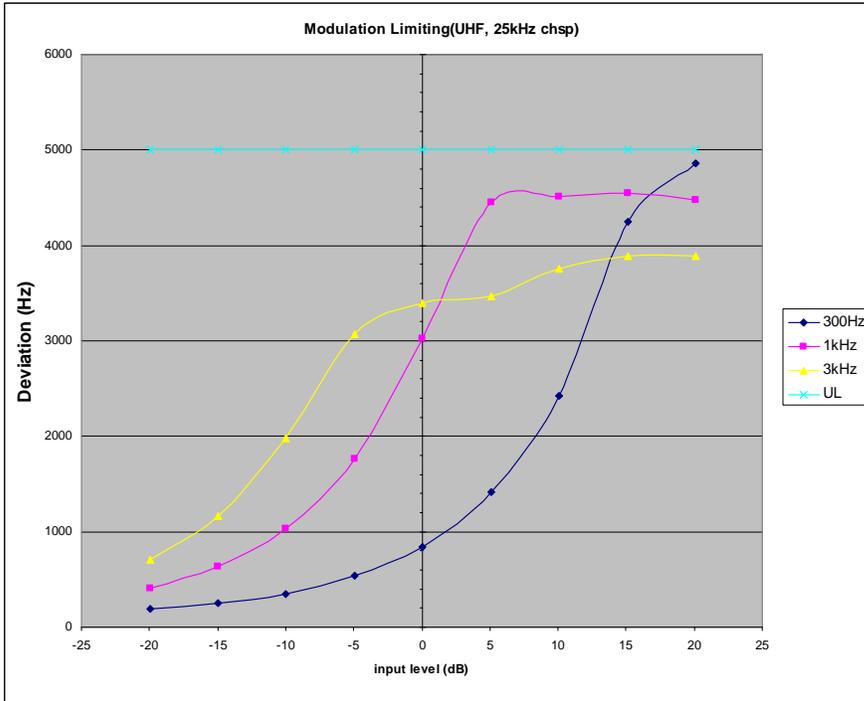
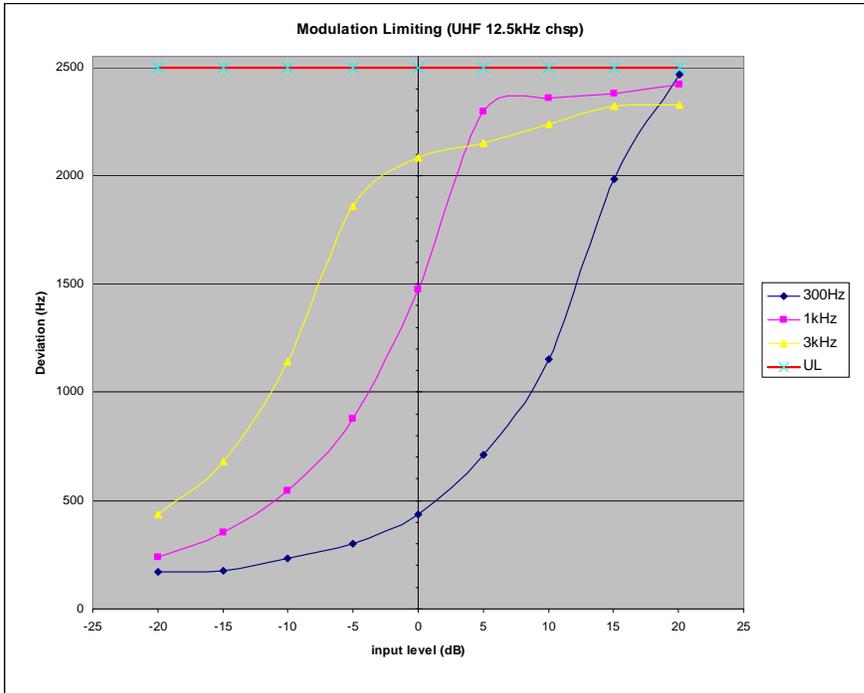


EXHIBIT 6B

MODULATION LIMITING



OCCUPIED BANDWIDTH**1Watt**

12.5 / 25 kHz Channel Spacing

EXHIBIT 6D-1

2500 Hz Audio Modulation

Emission Type: 11K0F3E

Specification Mask D, 90.210 – 12.5 kHz

EXHIBIT 6D-2

2500 Hz Audio Modulation

Emission Type: 16K0F3E

Specification Mask B, 90.210 – 25 kHz

CARSON'S RULE: 11K0F3E

$$BW = 2(M+D)$$

$$BW = 2 (3 \text{ kHz maximum modulation frequency} + 2.5 \text{ kHz deviation})$$

$$BW = 2 (5.5)$$

$$BW = 11K0$$

CARSON'S RULE: 16K0F3E

$$BW = 2(M+D)$$

$$BW = 2 (3 \text{ kHz maximum modulation frequency} + 5 \text{ kHz deviation})$$

$$BW = 2 (8)$$

$$BW = 16K0$$

EXHIBIT 6D

1- Watt 12.5 kHz
Mask D, Rule Part: 90.210
Emission Type: 11K0F3E

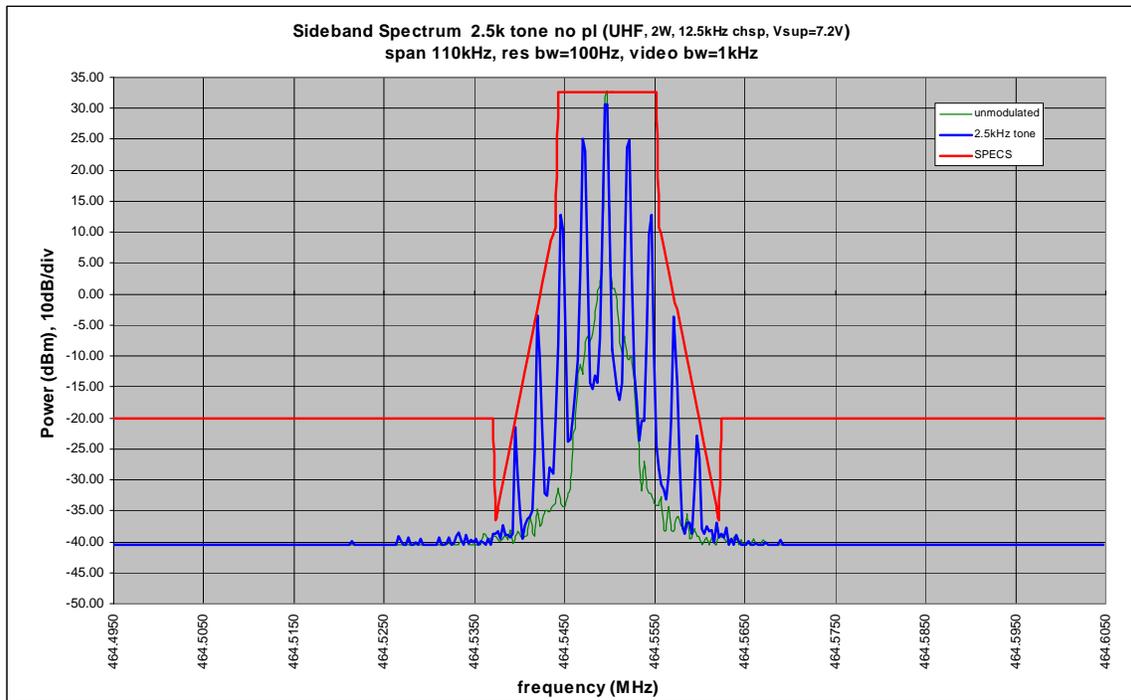
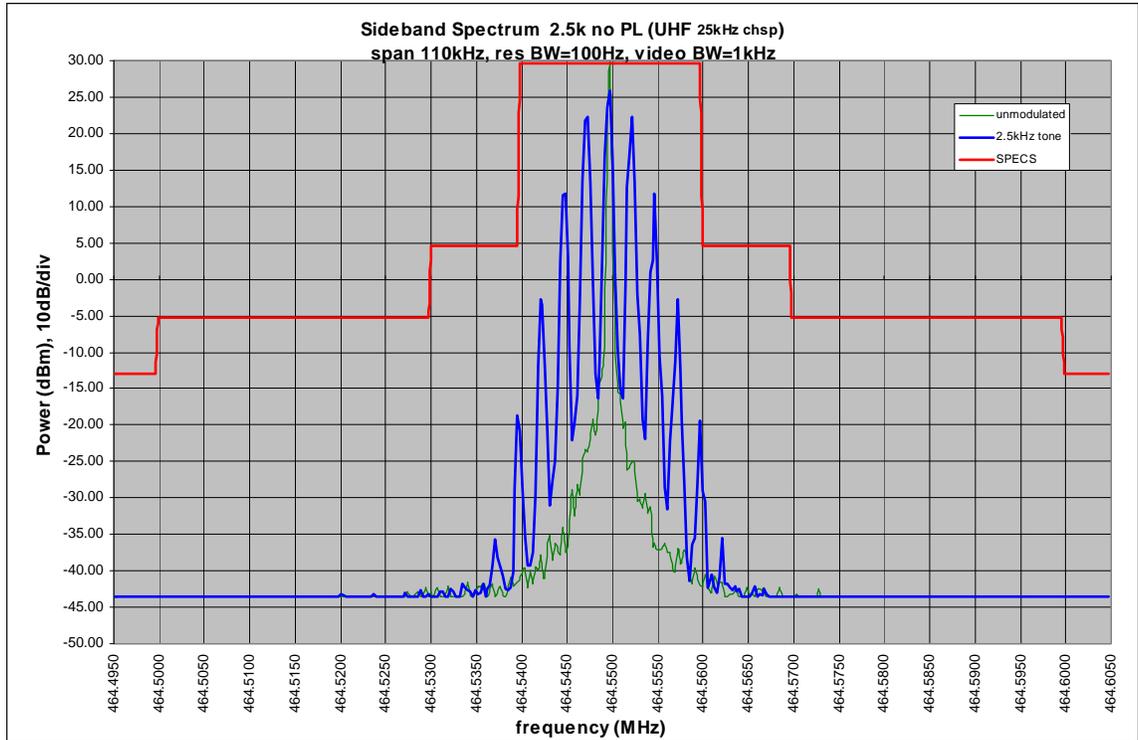


EXHIBIT 6D-1

1- Watt 25 kHz
Mask B, Rule Part: 90.210
Emission Type: 16K0F3E



FREQUENCY STABILITY

Frequency	464.55 MHz
Conducted RF output	1.0 Watts
Normal DC Voltage	3.70 Volts
Bandwidth	12.5 kHz

Frequency Stability over Temperature

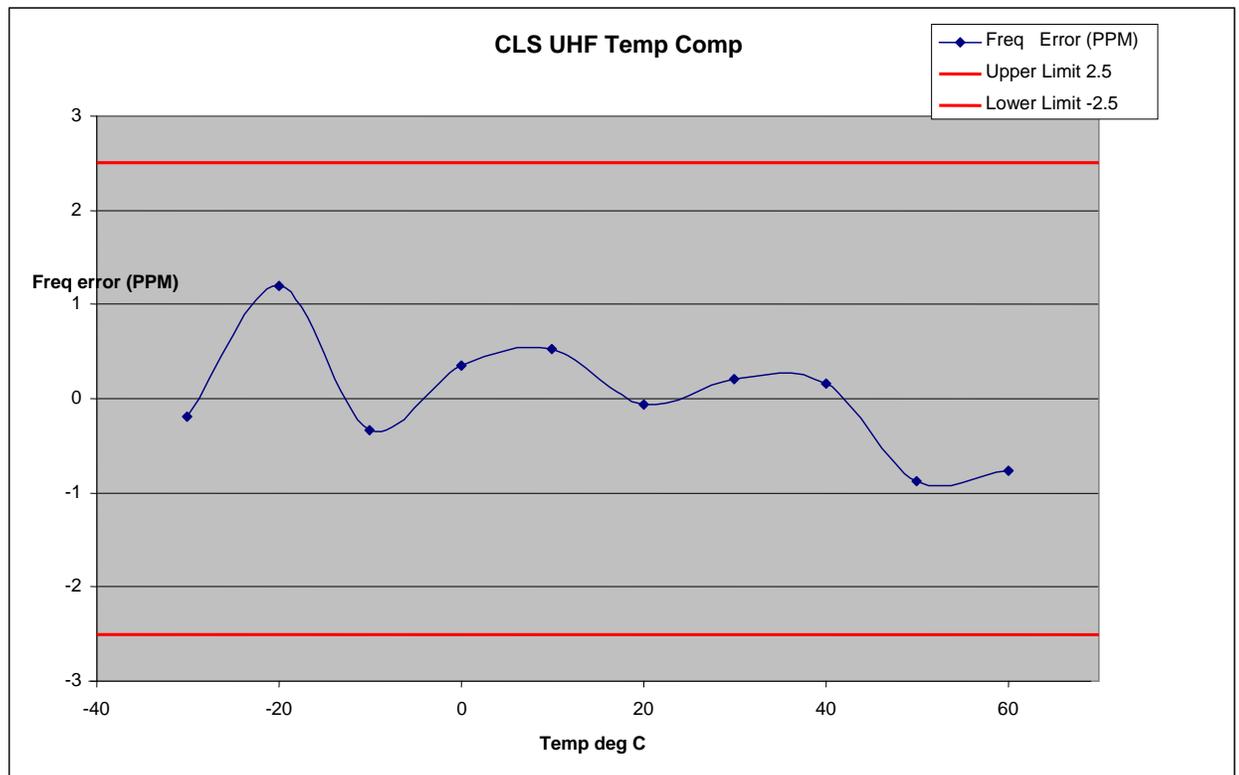
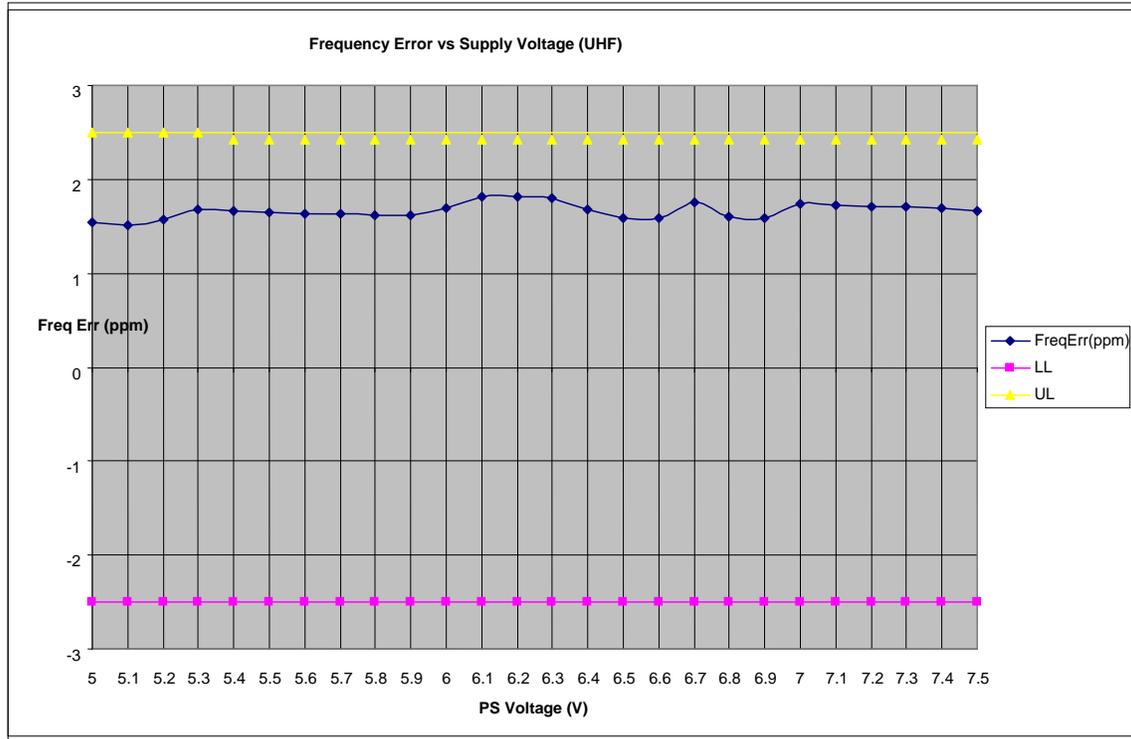


EXHIBIT 6E-1

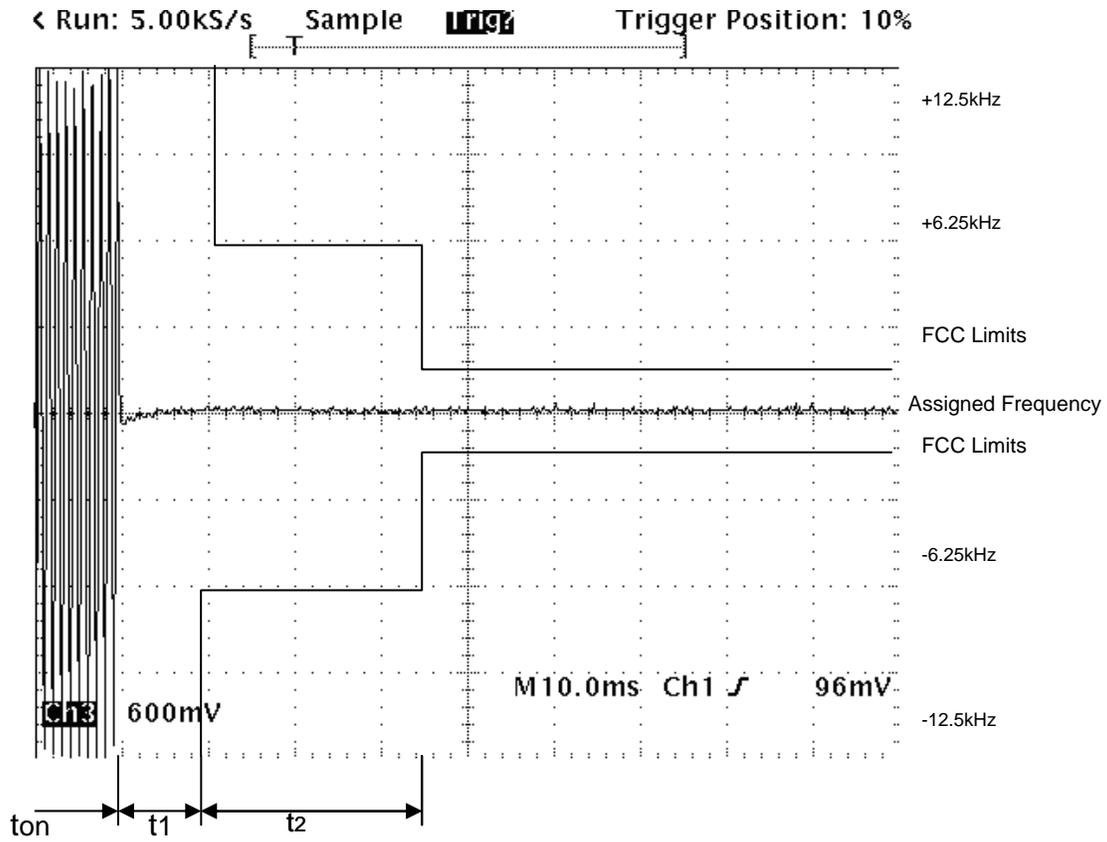
Frequency Stability over Voltage



Reset Voltage 3.2Volts

TRANSIENT FREQUENCY BEHAVIOR

Transient Frequency Response TX on 12.5 kHz



$$\frac{(264\text{MHz}) * (2.5\text{PPM}) * (\pm 4)}{12.5 \text{ kHz}}$$

= ±0.3712 div

Transient Frequency Response TX off 12.5 kHz

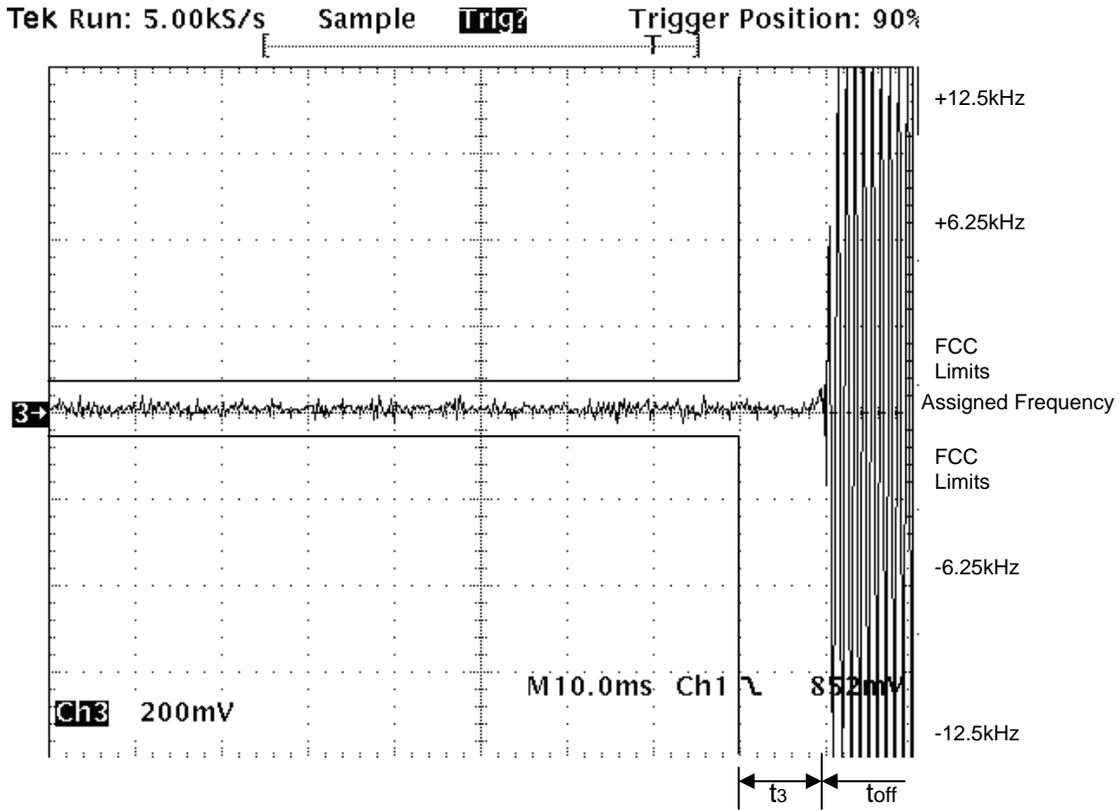
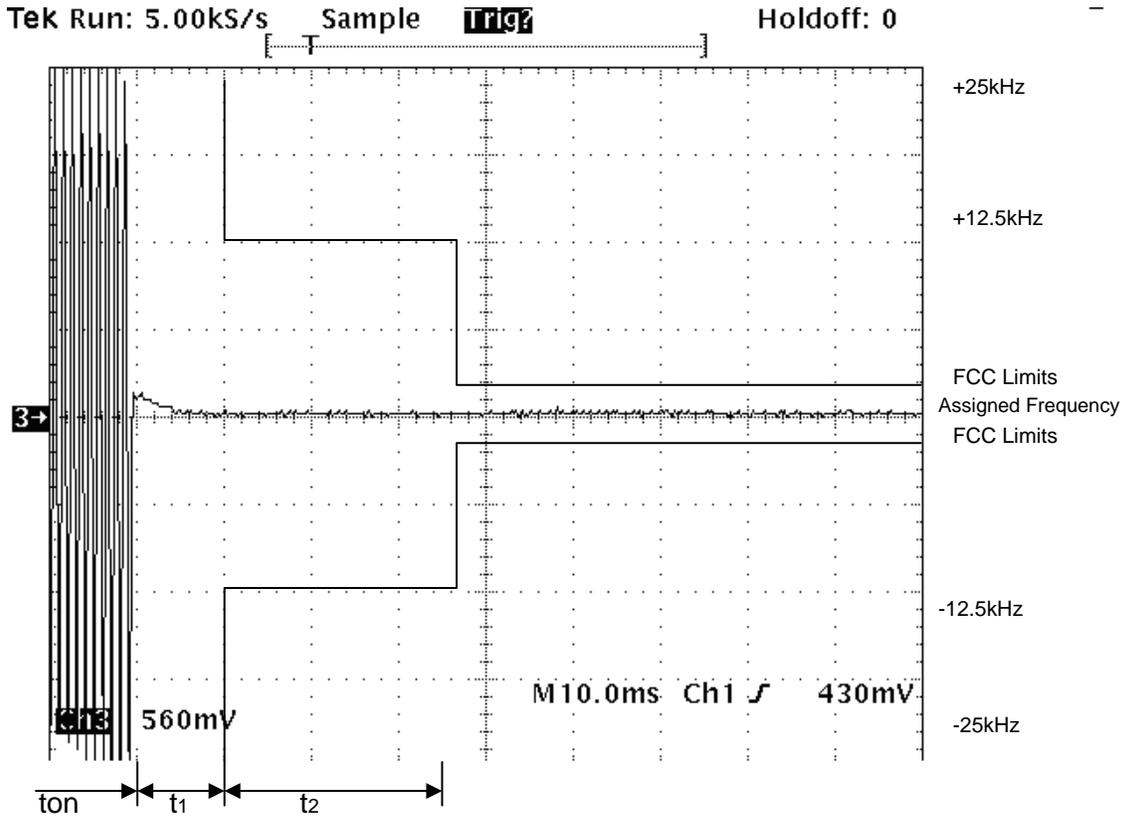


EXHIBIT 6F-2

Transient Frequency Response TX on 25 kHz



$$\frac{(264\text{MHz}) * (5\text{PPM}) * (\pm 4)}{25 \text{ kHz}}$$

= ±0.3712 div

Transient Frequency Response TX off 25 kHz

