Measured Data

Measurement

1. **RF Output Power**
   Test Method:TIA/EIA-603-A 2.2.1
   Equipment Used: HP436A Power Meter (12-10-04), HP8482B Power Sensor(12-22-04)

2. **Audio Frequency Response**
   Test Method:TIA/EIA-603-A 2.2.6
   Equipment Used: HP8901B Modulation Analyzer(12-11-04), HP35670A Signal Analyzer (12-22-04) No filters were used on the modulation analyzer.

3. **Low Pass Filter Response**
   Test Method:TIA/EIA-603-A 2.2.15
   Equipment Used: HP8901B Modulation Analyzer(12-11-04), HP35670A Signal Analyzer(12-22-04)

4. **Occupied Bandwidth /Emission Mask**
   16K0F3E
   11K0F3E
   8K10F1D
   8K10F1E

   Test Method:TIA/EIA-603-A 2.2.11
   Equipment Used: HP8560E Spectrum Analyzer(12-19-04)

5. **Modulation Limiting**
   Test Method:TIA/EIA-603-A 2.2.3
   Equipment Used: HP8901B Modulation Analyzer(12-11-04), 33250A Function Gen (9-24-04)

6. **Conducted Spurious Emissions**
   Test Method:TIA/EIA-603-A 2.2.13
   Equipment Used: HP8560E Spectrum Analyzer(12-19-04), 33250A Function Gen (9-24-04)

7. **Frequency Stability**
   Test Method:TIA/EIA-603-A 2.2.2
   Equipment Used: HP8920A RF Communications Test Set(12-15-04)

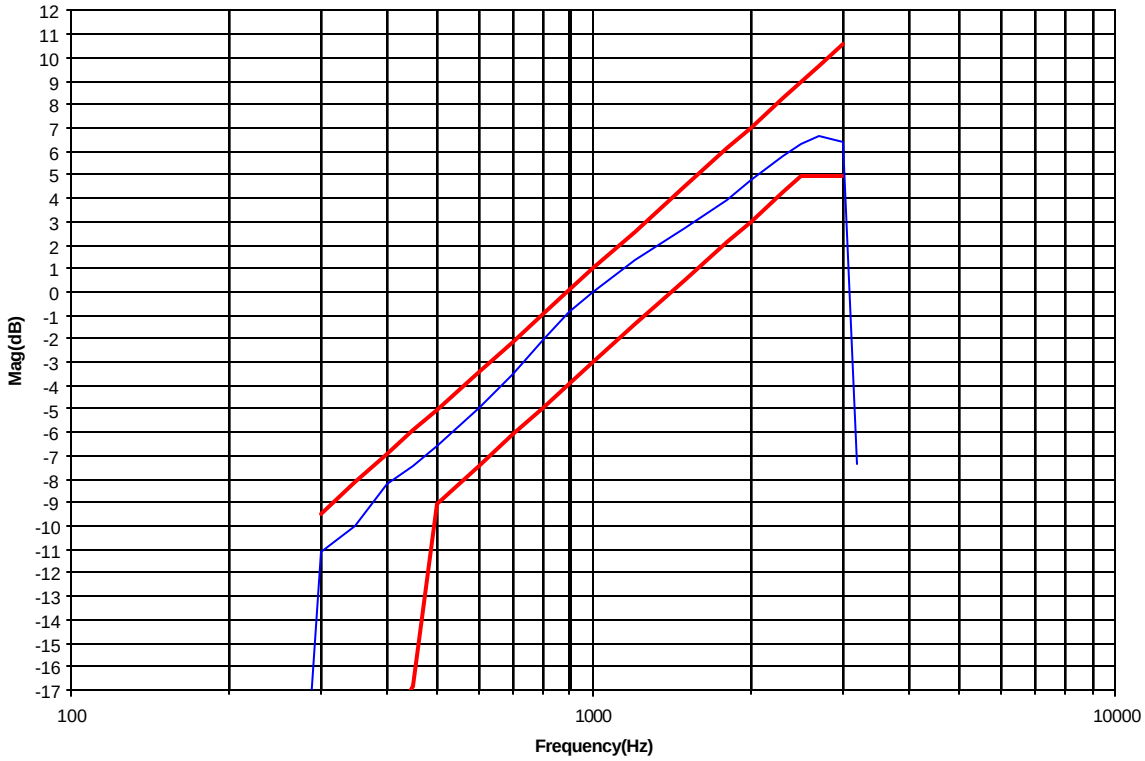
8. **Transient Frequency Behavior**
   Test Method:TIA/EIA-603-A 2.2.19.3 Equipment Used: HP 8920A Communications Test Set(12-15-04), Tek TDS3034B Scope(12-3-04),
   Rohde&Schwarz SME02 Signal generator(12-13-04)
   This test method doesn't specify what power level to trigger on. We triggered at approximately 50% power.

#1 RF Output Power

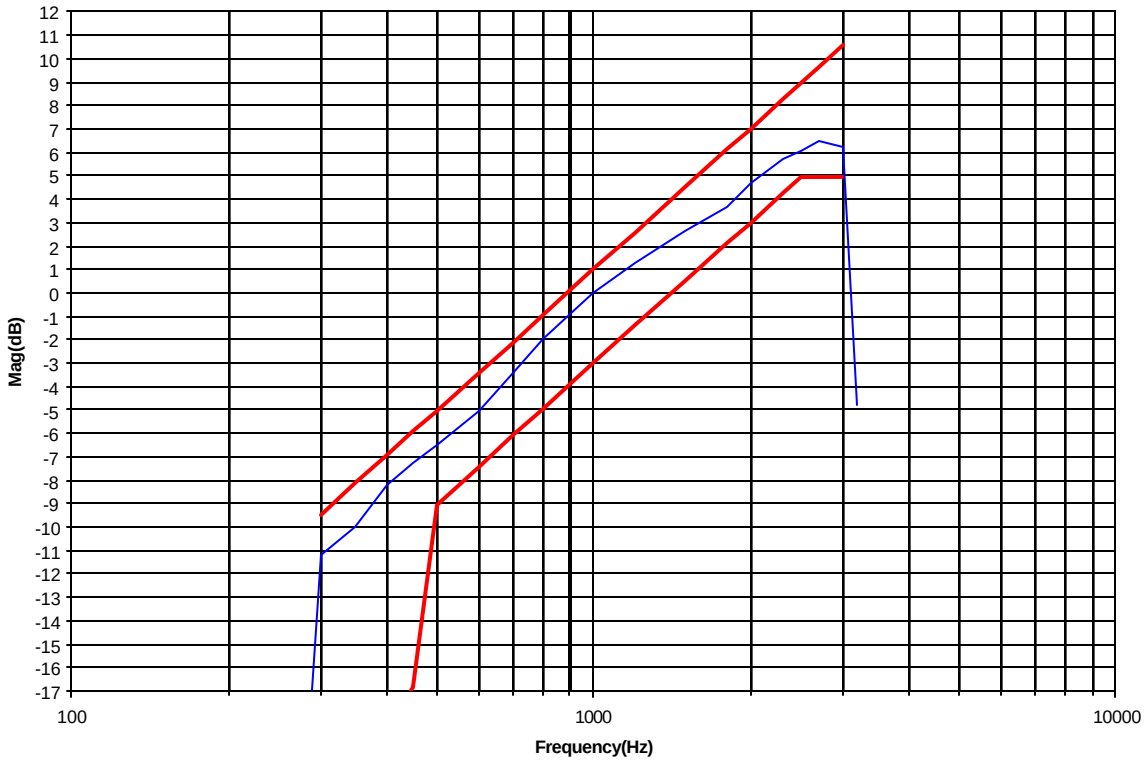
Frequency	Power	Voltage	Current(PA Device)
136.0	6.15W	10.0V	1.40A
155.0	6.05W	10.0V	1.28A
174.0	6.05W	10.0V	1.41A

#2 Audio Frequency Response

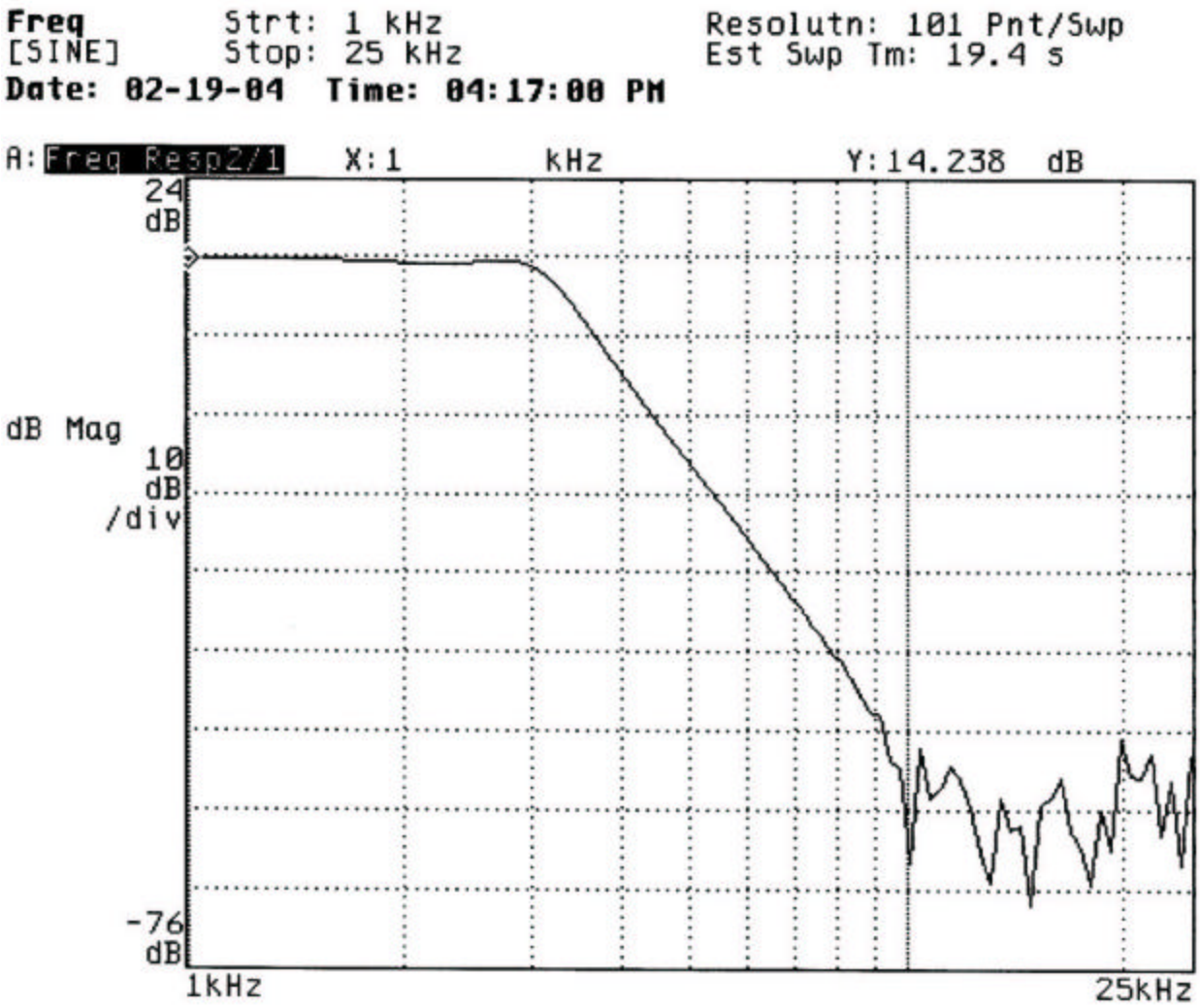
25KHz TX Audio Response 155.1MHz



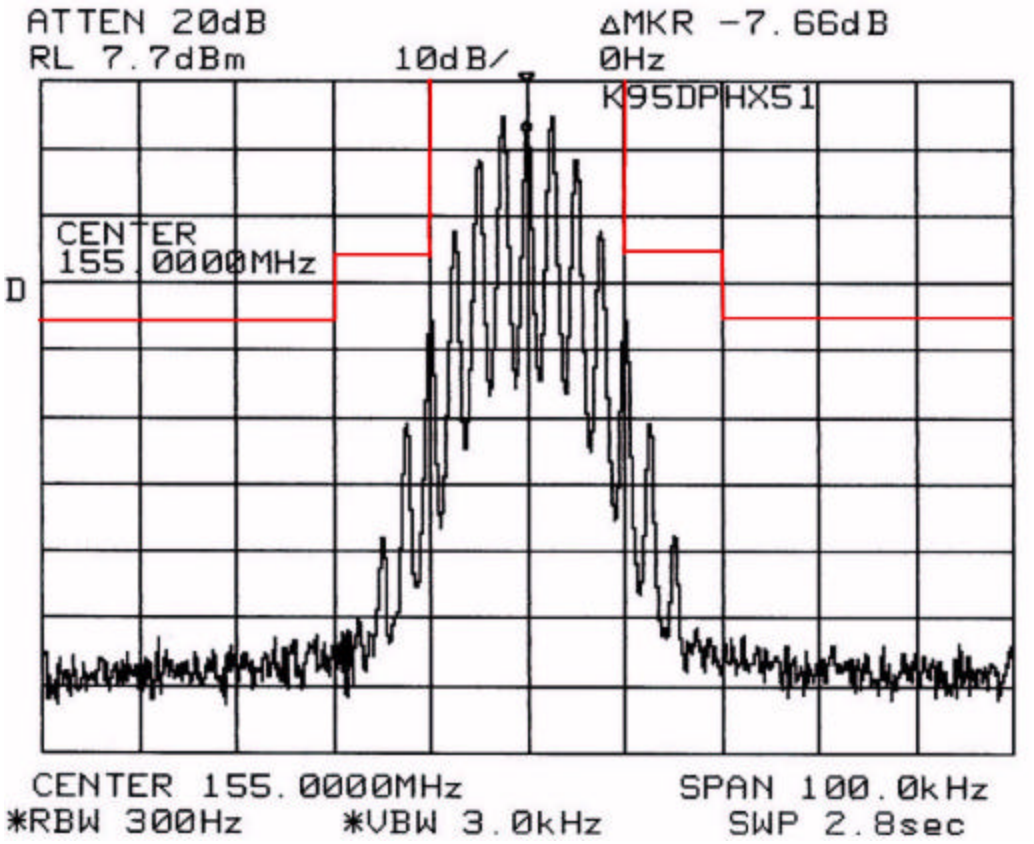
12.5KHz TX Audio Response 155.1MHz


12
11
10
9
8
7
6
5
4
3
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
Mag(dB)
100
1000
10000
Frequency(Hz)

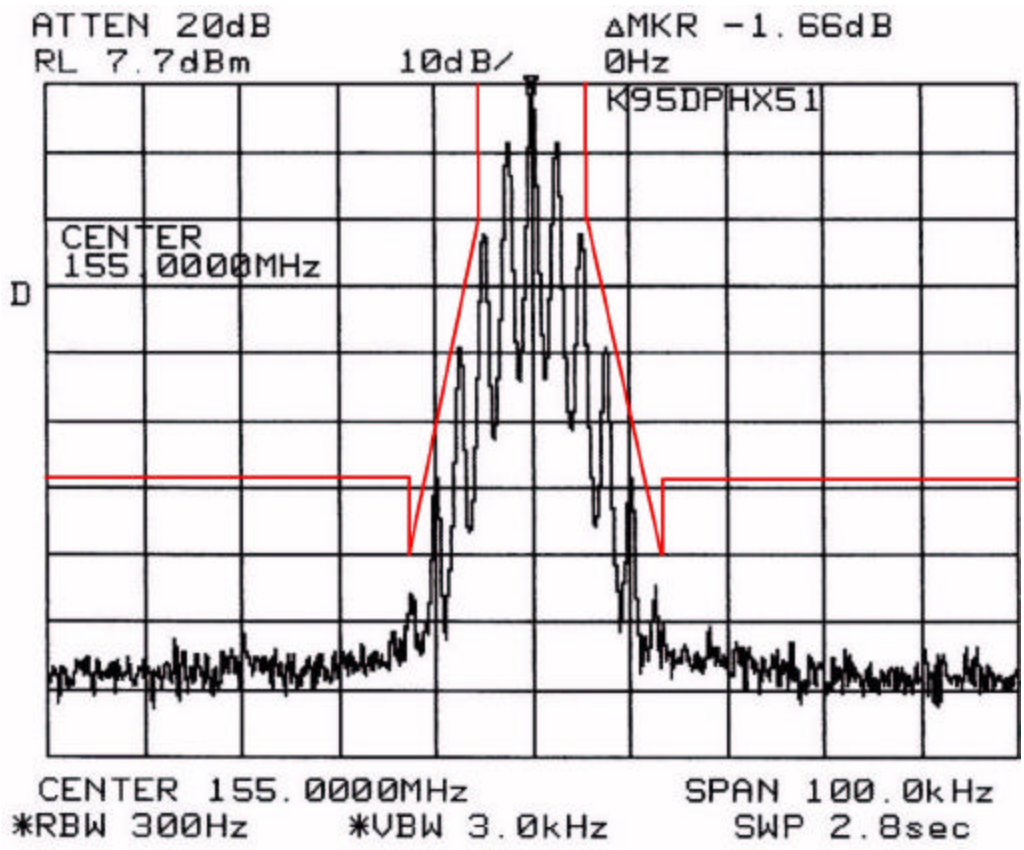
#3 Low Pass Filter Response



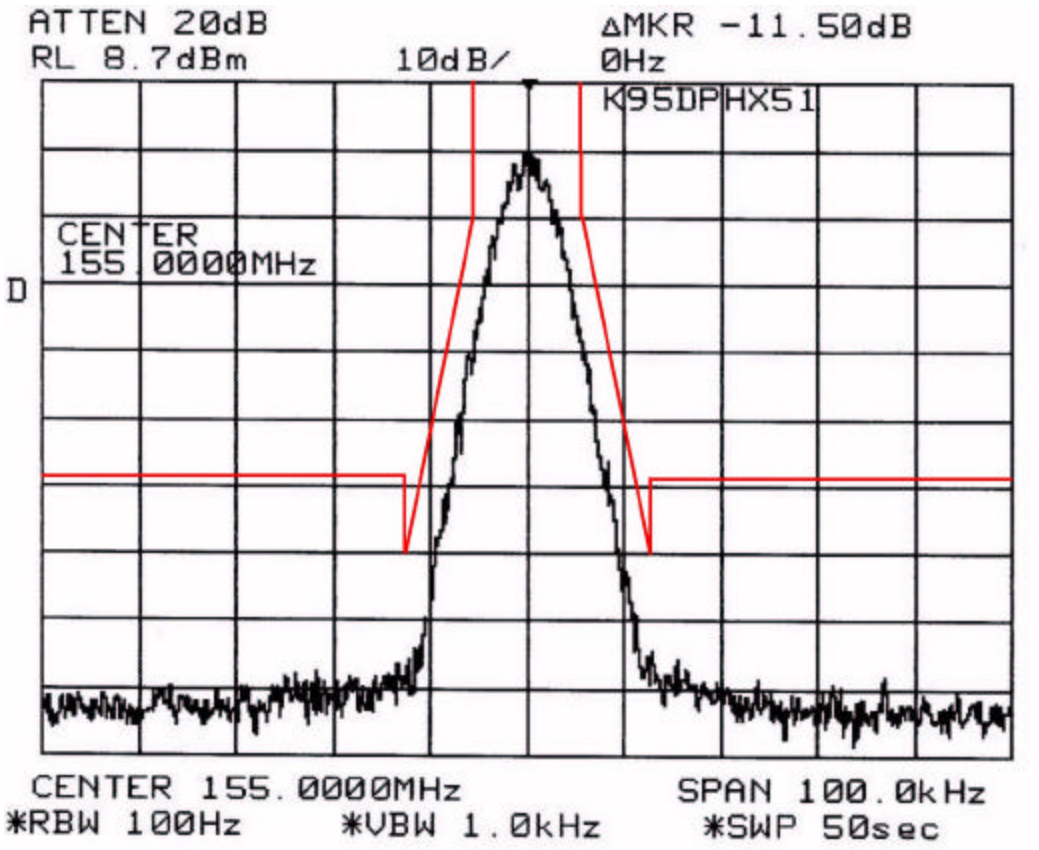
#4 Occupied Bandwidth Analog Voice 16K0F3E Mask B



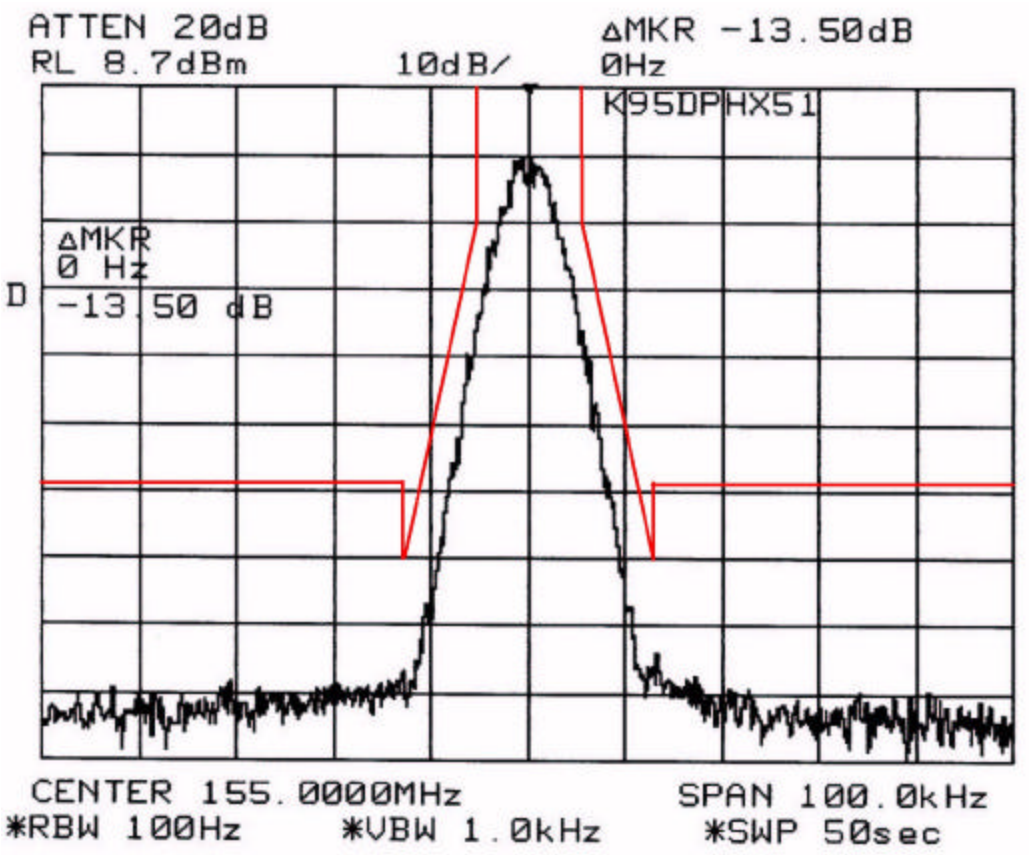
#4 Occupied Bandwidth Analog Voice 11K0F3E Mask D



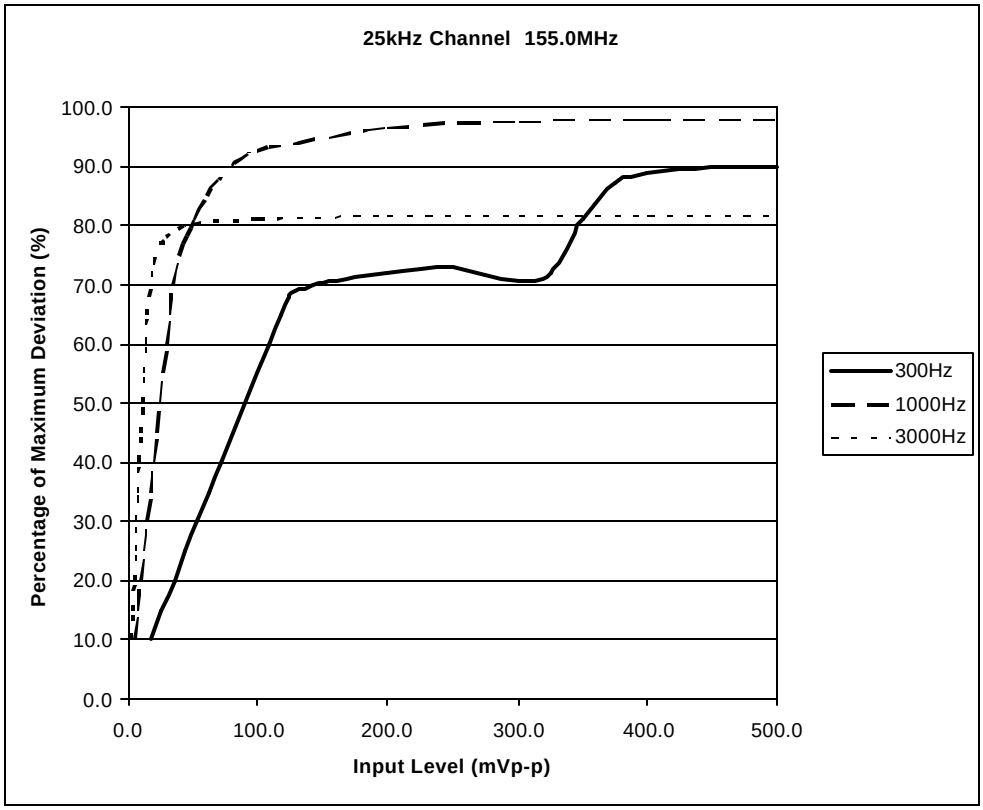
#4 Occupied Bandwidth Digital Voice 8K10F1D Mask D

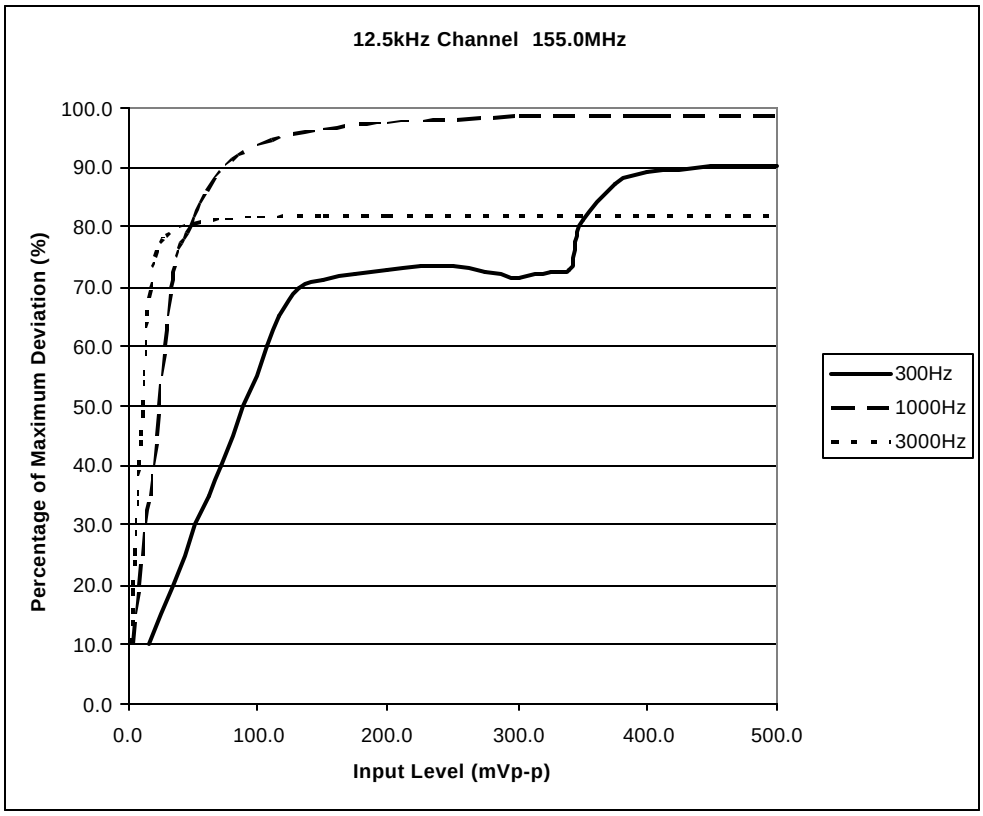


#4 Occupied Bandwidth Digital Data 8K10F1E Mask D


ATTEN 20dB
RL 8.7dBm
10dB/
ΔMKR -13.50dB
0Hz
K95DPHX51
ΔMKR
0 Hz
-13.50 dB
D
CENTER 155.0000MHz
SPAN 100.0kHz
*RBW 100Hz
*VBW 1.0kHz
*SWP 50sec

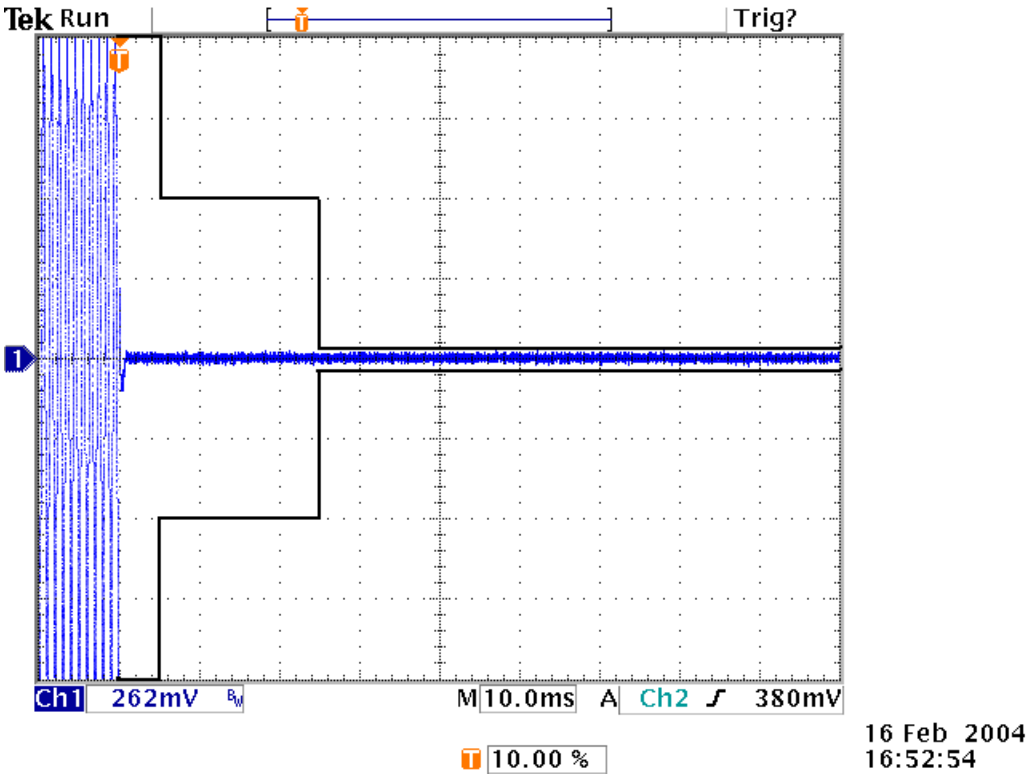
#5 Modulation Limiting



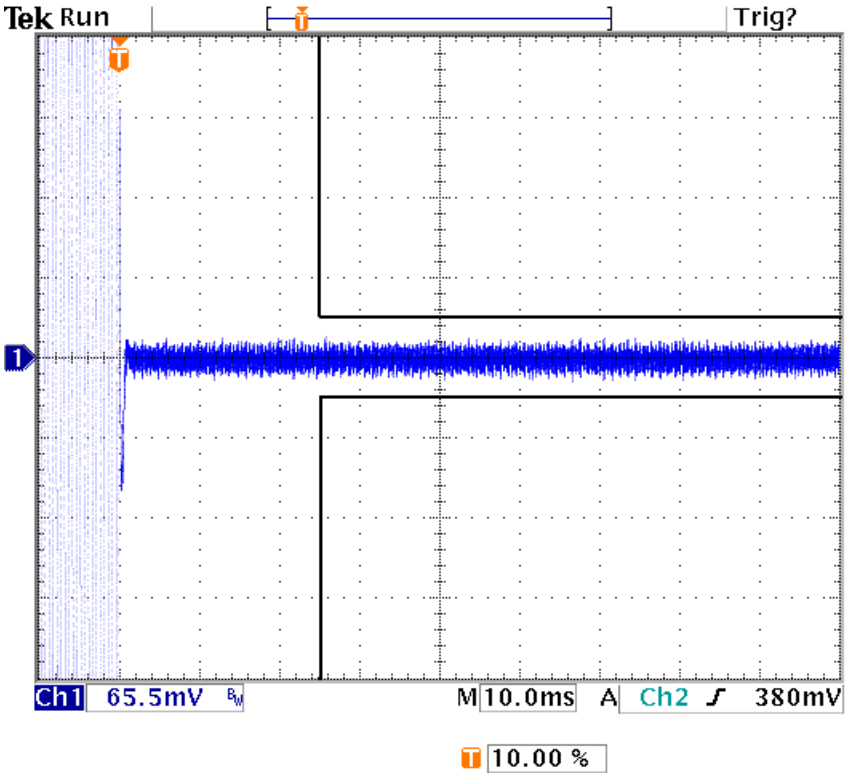


#6 Transmitter Transient Frequency Behavior

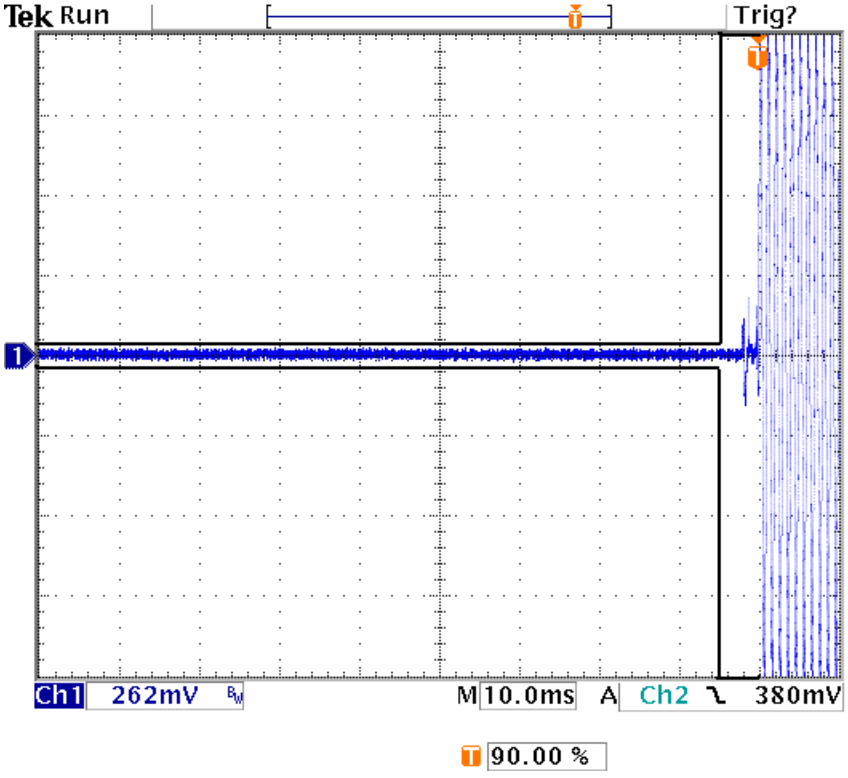
25Khz Channel 155.0MHz TX ON



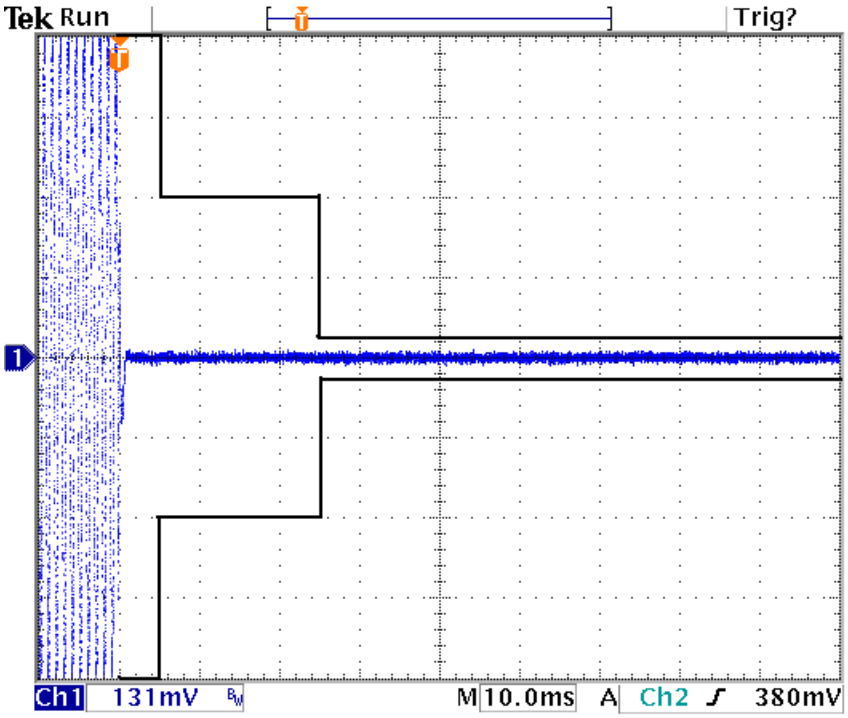
25KHz Channel 155.0MHz TX ON ZOOMED



25Khz Channel 155.0MHz TX OFF



12.5Khz Channel 155.0MHz TX ON



12.5Khz Channel 155.0MHz TX OFF