

Measured Data

Measurement

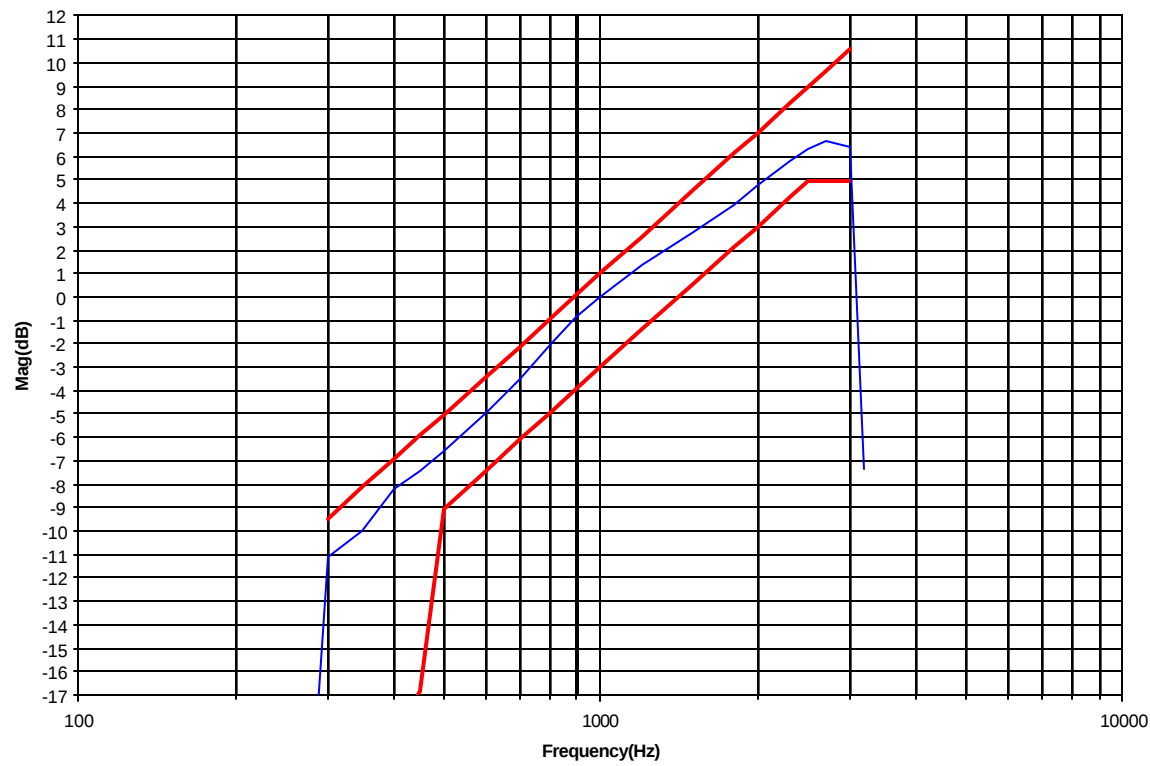
1. **RF Output Power**
Test Method:TIA/EIA-603-A 2.2.1
Equipment Used: HP436A Power Meter (12-10-04), HP8482B Power Sensor(12-22-04)
2. **Audio Frequency Response**
Test Method:TIA/EIA-603-A 2.2.6
Equipment Used: HP8901B Modulation Analyzer(12-11-04), HP35670A Signal Analyzer (12-22-04) No filters were 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.

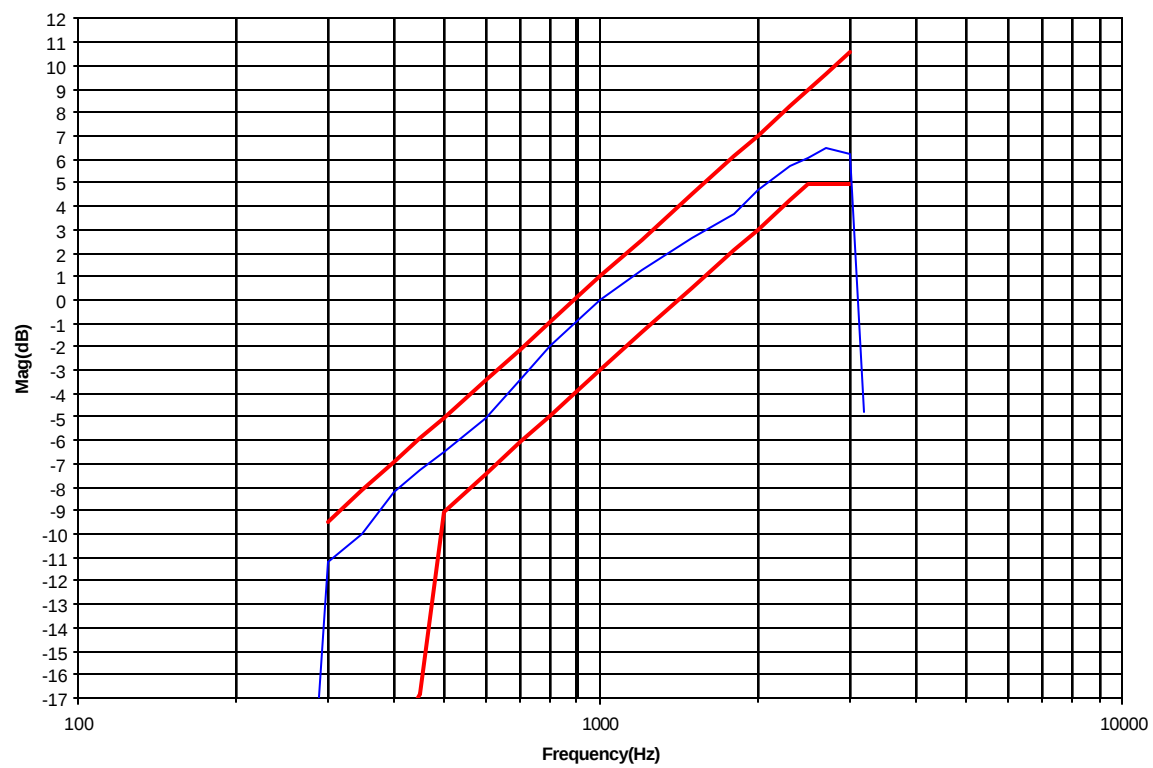
#1 RF Output Power

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

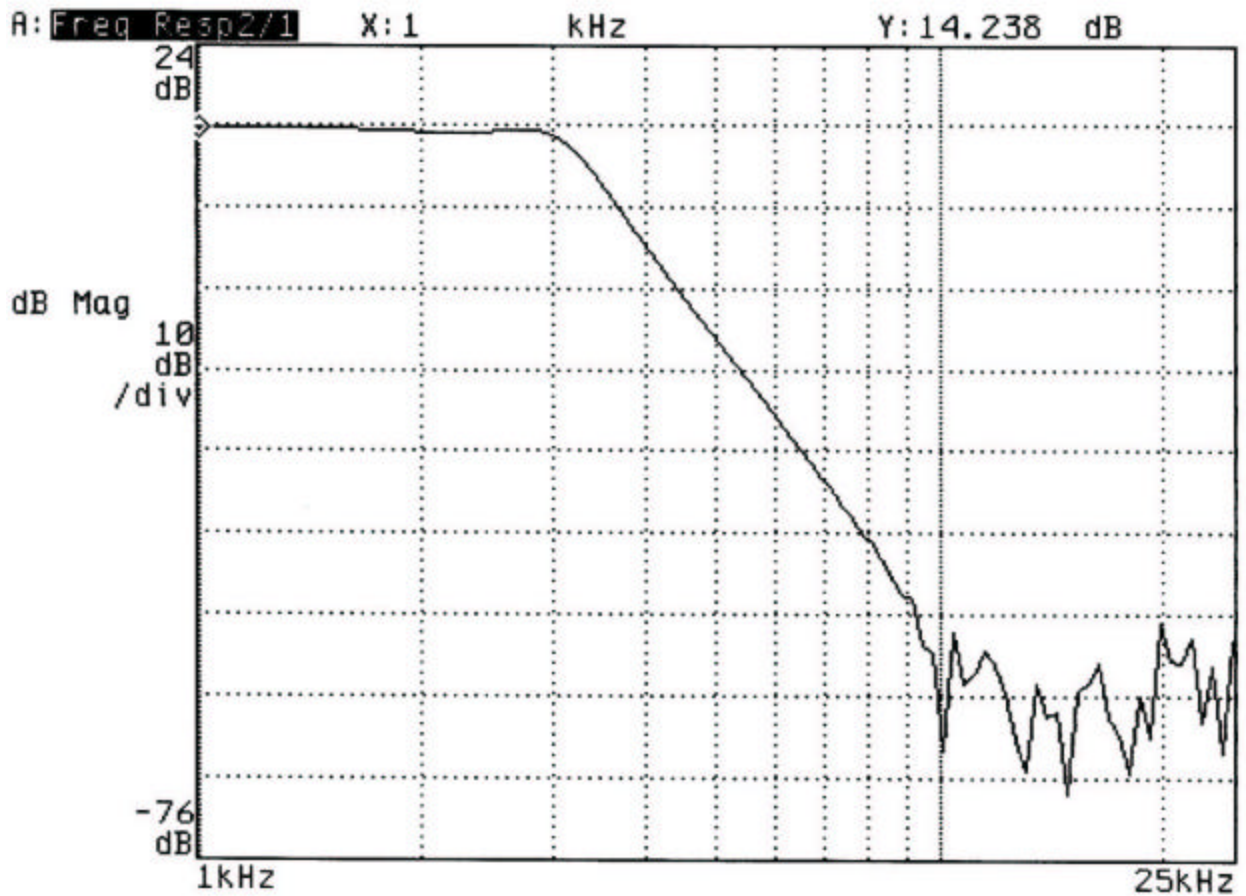


12.5KHz TX Audio Response 155.1MHz

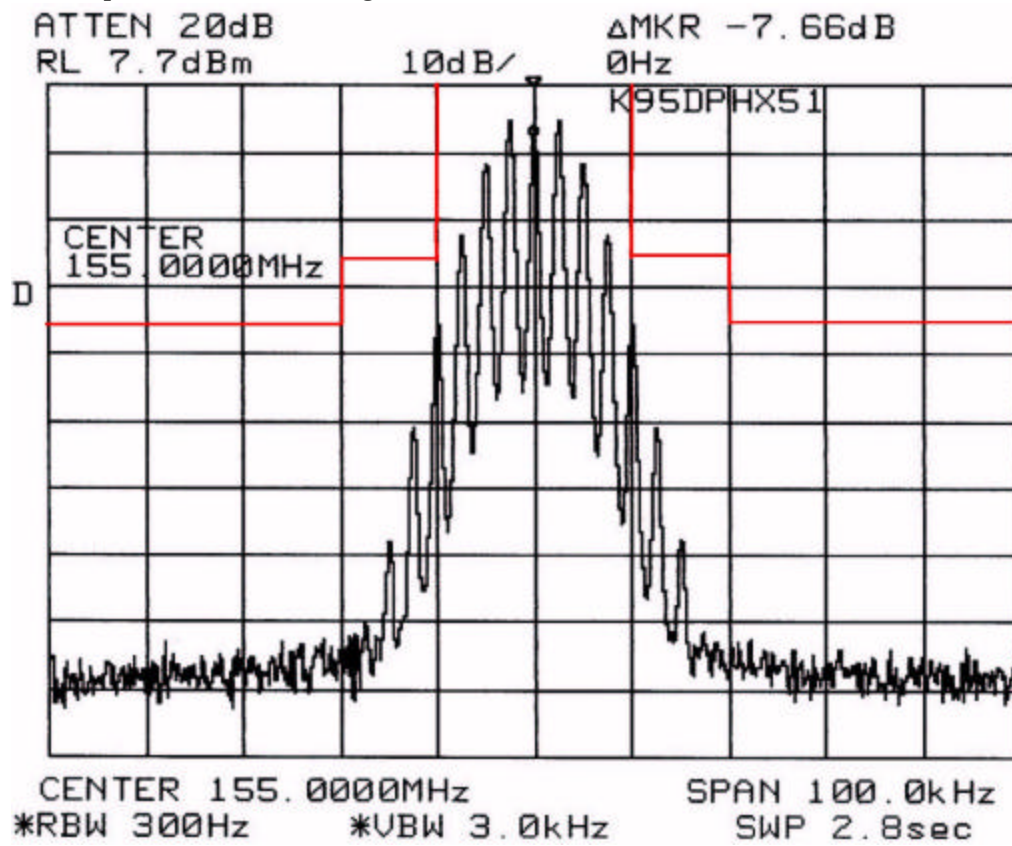


#3 Low Pass Filter Response

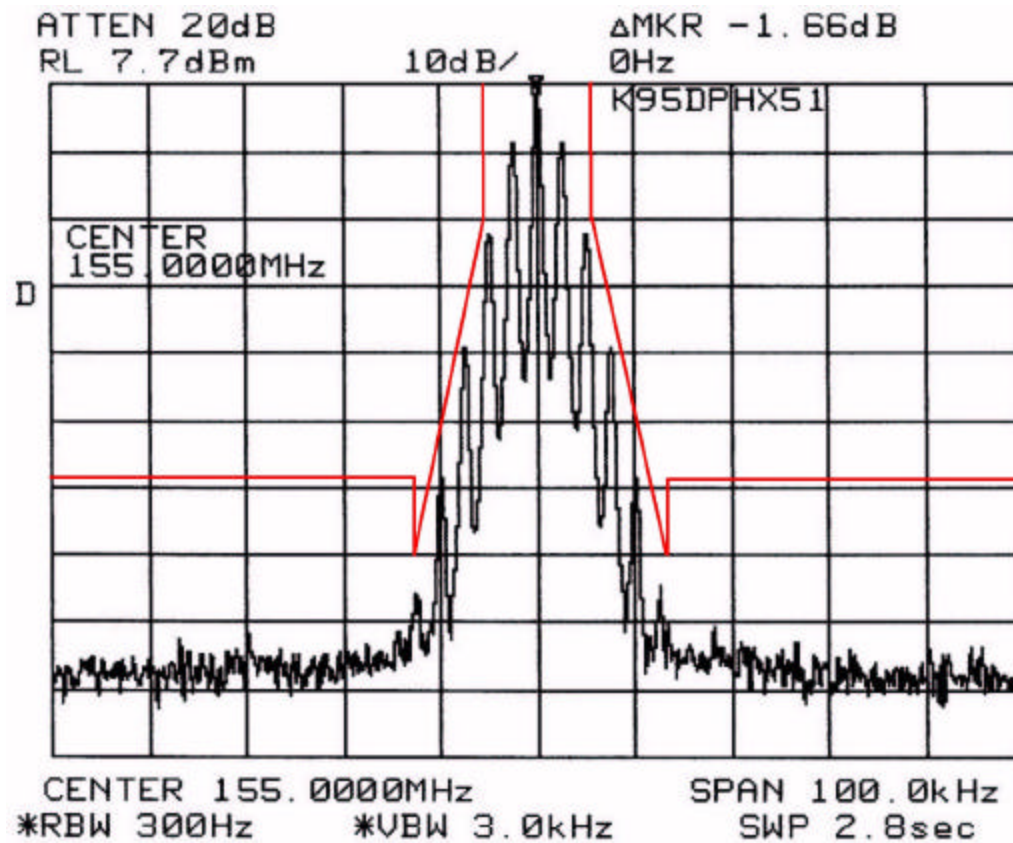
Freq Strt: 1 kHz Resolutn: 101 Pnt/Swp
[SINE] Stop: 25 kHz Est Swp Tm: 19.4 s
Date: 02-19-04 Time: 04:17:00 PM



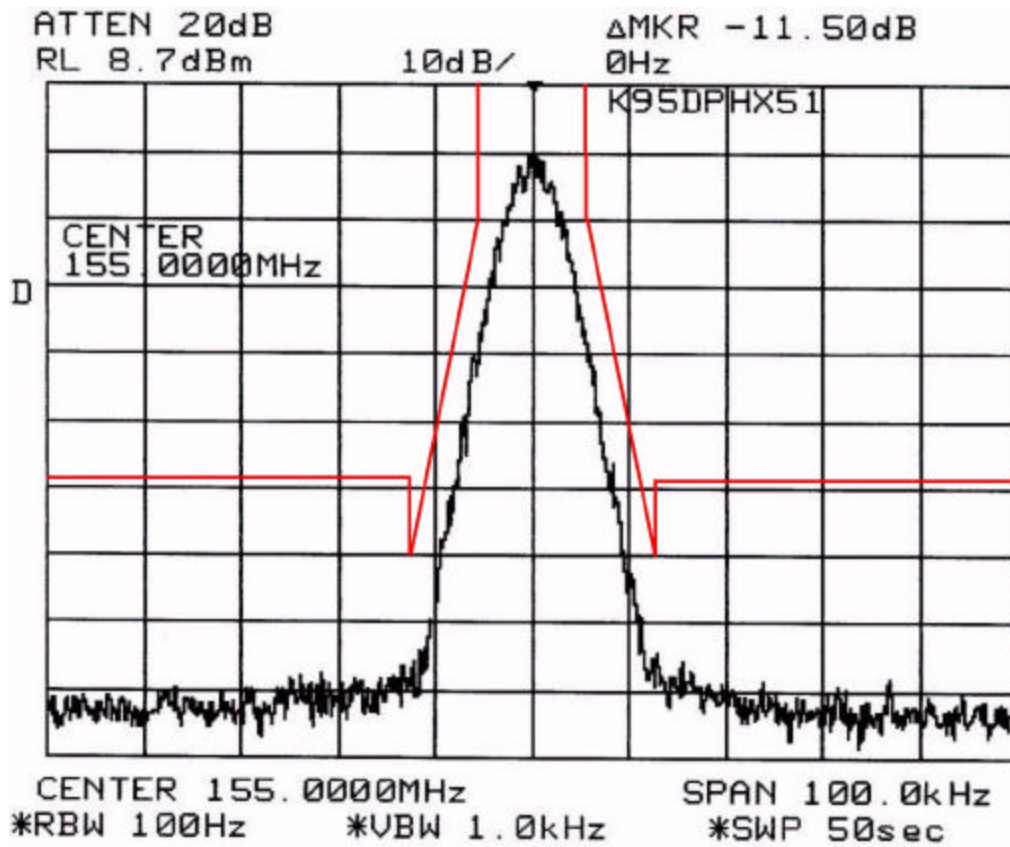
#4 Occupied Bandwidth Analog Voice 16K0F3E Mask B



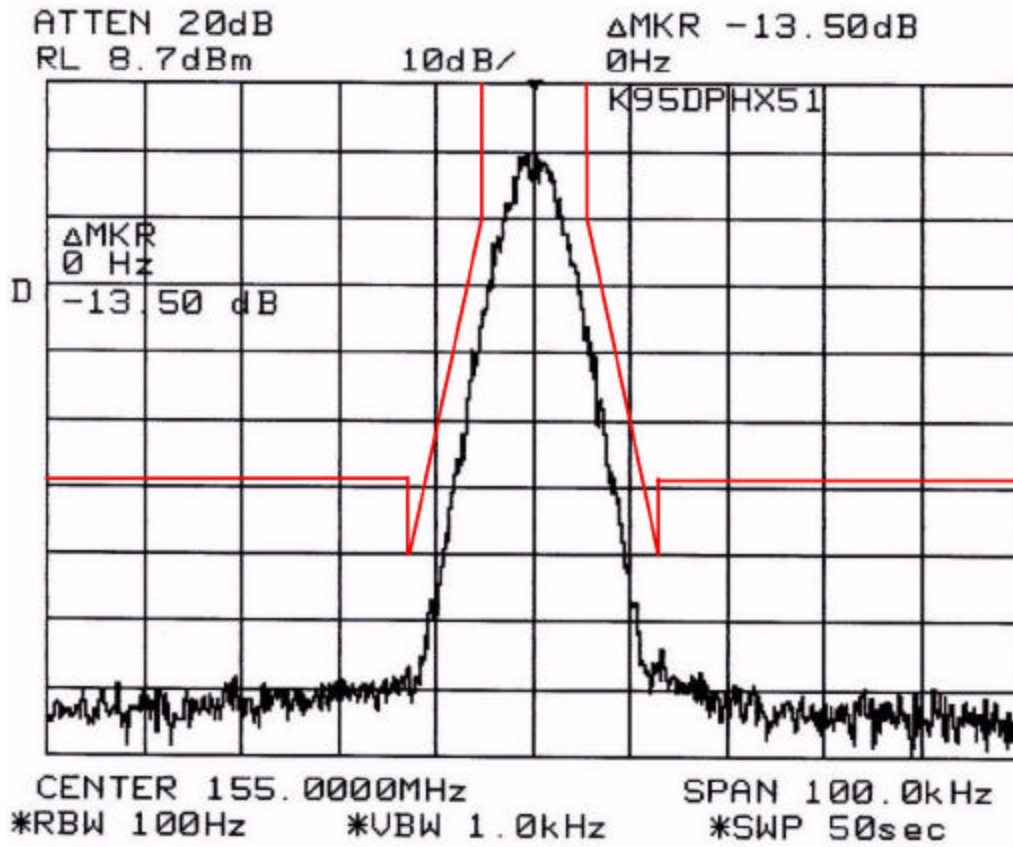
#4 Occupied Bandwidth Analog Voice 11K0F3E Mask D



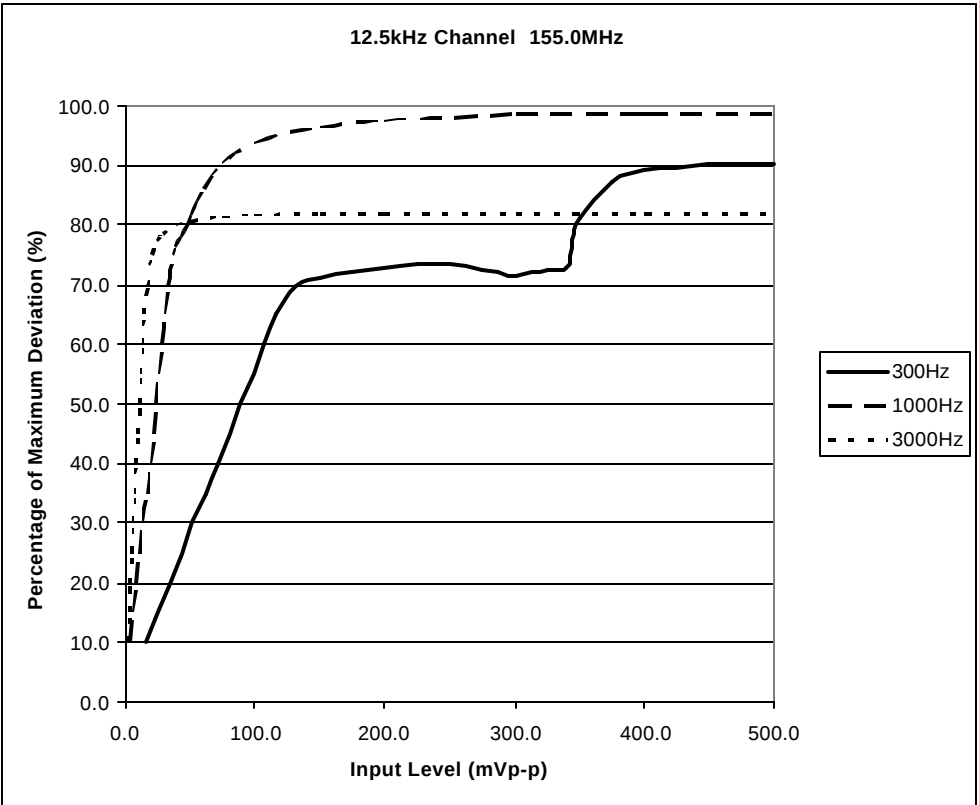
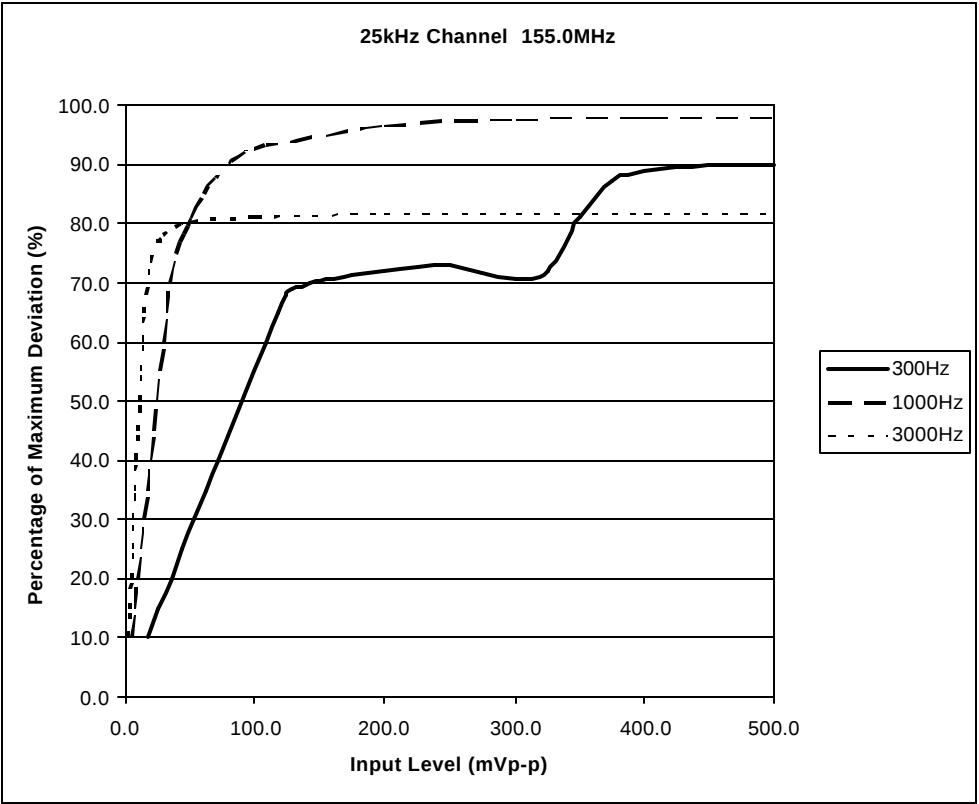
#4 Occupied Bandwidth Digital Voice 8K10F1D Mask D



#4 Occupied Bandwidth Digital Data 8K10F1E Mask D

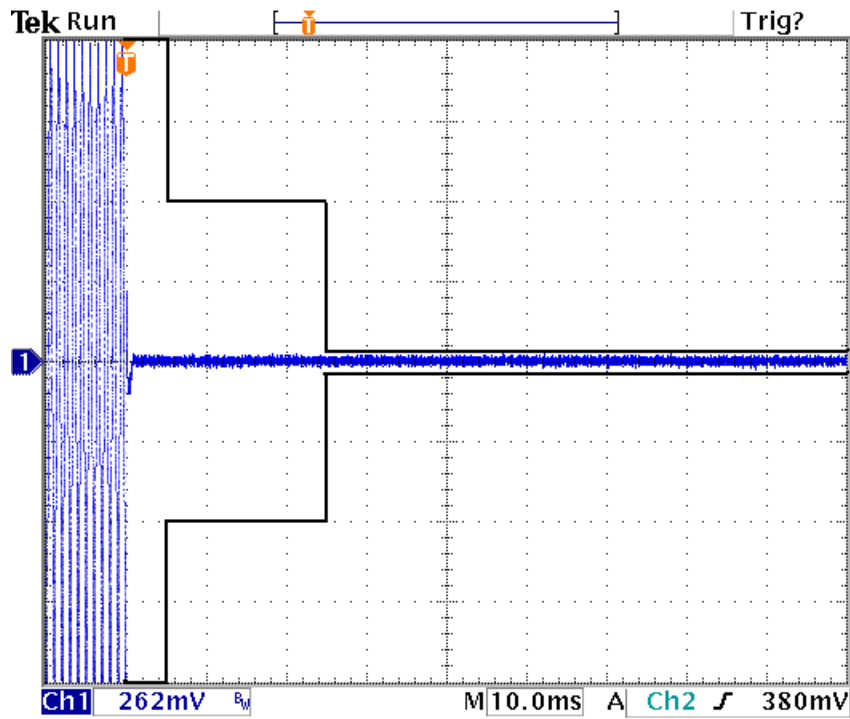


#5 Modulation Limiting



#6 Transmitter Transient Frequency Behavior

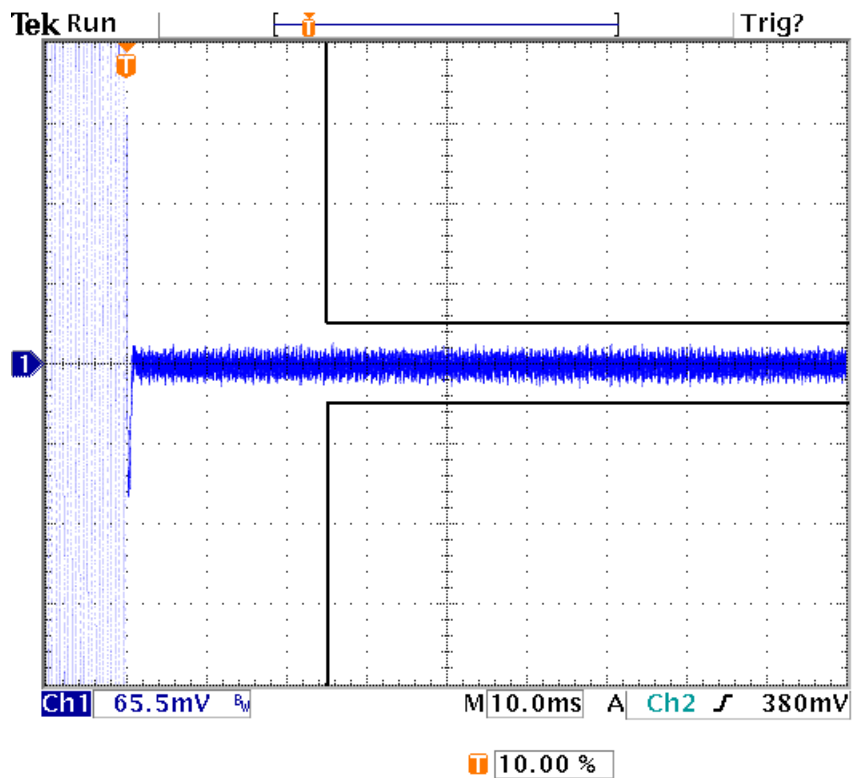
25Khz Channel 155.0MHz TX ON



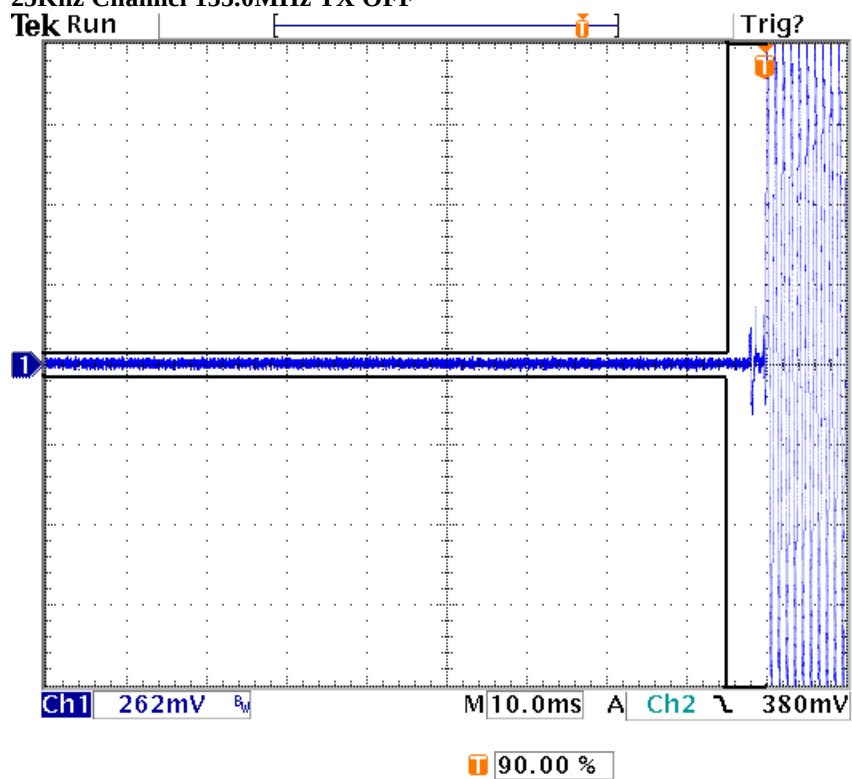
10.00 %

16 Feb 2004
16:52:54

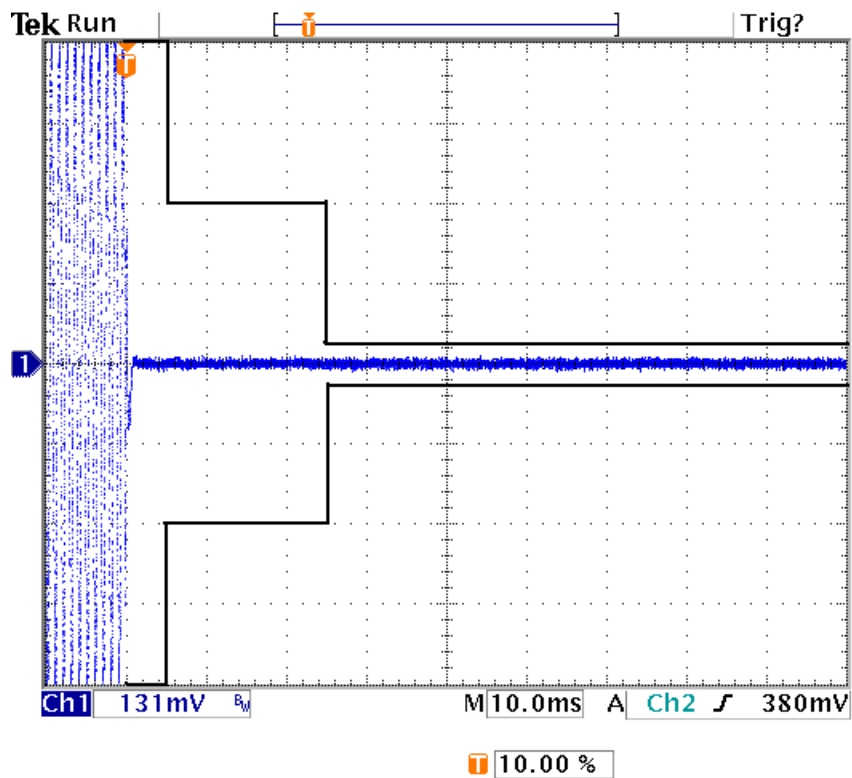
25KHz Channel 155.0MHz TX ON ZOOMED



25Khz Channel 155.0MHz TX OFF



12.5Khz Channel 155.0MHz TX ON



12.5Khz Channel 155.0MHz TX OFF

