Spurious Radiated Emissions (ERP)
Test Data **Retlif Testing Laboratories** Test Results No. R-4990N, Rev. A

RETLIF TESTING LABORATORIES EMISSIONS DATA SHEET Spurious Radiated Emissions (ERP) 30 MHz to 1.75 GHz Test Method: DTC Communications, Inc. Customer: R-4990N Job No: Test Sample: Miniature VHF High band .5 watt nominal portable FM transmitter Model No: T2500 1124 Serial No: Test Specification: FCC Part 2, TIA/EIA-603 Paragraph: 2.1053 Operating Mode: Transmitting Audio Modulated Signal Technician: T. Hannemann 3/24/2008 Date: Notes: Transmit Frequency: 150.05 MHz Limit per 90.210 (d) Peak Detector Antenna/EUT Reference Ant Test Reference Signal Gen Corrected Spurious Frequency Position Reading Level Gain Reading Limit MHz Polarity/Axis dBm dBm dBd dBm dBm 30.00 -20.00 I -Ī 1 300.10 V/X -61.70 -35.60 0.00 -35.60 1 450.15 V/X -67.70 -28.40 0.00 -28.40 1 600.20 1 750.25 _ ---1 900.30 1 1050.35 1200.40 _ --1350.45 1500.50 1750.00 -_ --20.00 EUT Emissions observed throughout the given frequency spectrum were recorded & evaluated.

* These harmonic frequencies were not observed above the noise floor of the test equipment which was a minimum of

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10dB below the limit.

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RETLIF TESTING LABORATORIES EMISSIONS DATA SHEET Test Method: Spurious Radiated Emissions (ERP) 30 MHz to 1.75 GHz Customer: DTC Communications, Inc. R-4990N Job No: Test Sample: Miniature VHF High band .5 watt nominal portable FM transmitter Model No: T2500 1124 Serial No: **Test Specification:** FCC Part 2, TIA/EIA-603 Paragraph: 2.1053 Operating Mode: Transmitting Audio Modulated Signal Technician: 3/24/2008 T. Hannemann Date: Notes: Transmit Frequency: 162.05 MHz Limit per 90.210 (d) **Peak Detector** Antenna/EUT Reference Signal Gen Reference Ant Corrected Spurious Position Reading Gain Limit Frequency Level Reading MHz Polarity/Axis dBm dBm dBd dBm dBm 30.00 ----20.00 _ 1 1 --1 1 H/Y -40.60 324.08 -68.10 0.00 -40.60 1 486.20 V/Z -70.80 -30.20 0.00 -30.20 Ī 648.00 1 810.00 I -972.00 * 1 1134.00 1296.00 --1458.00 1620.00 _ _ --1750.00 -20.00 _ EUT Emissions observed throughout the given frequency spectrum were recorded & evaluated. * These harmonic frequencies were not observed above the noise floor of the test equipment which was a minimum of 10dB below the limit.

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RETLIF TESTING LABORATORIES EMISSIONS DATA SHEET Test Method: Spurious Radiated Emissions (ERP) 30 MHz to 1.75 GHz **Customer:** DTC Communications, Inc. Job No: R-4990N Miniature VHF High band .5 watt nominal portable FM transmitter Test Sample: Model No: T2500 1124 Serial No: Test Specification: FCC Part 2, TIA/EIA-603 Paragraph: 2.1053 **Operating Mode:** Transmitting Audio Modulated Signal Technician: T. Hannemann 3/24/2008 Date: Notes: Transmit Frequency: 174.05 MHz Limit per 90.210 (d) **Peak Detector** Antenna/EUT Reference Signal Gen Reference Ant Test Corrected Spurious Position Limit Frequency Reading Level Gain Reading MHz Polarity/Axis dBm dBd dBm dBm dBm -20.00 30.00 ---1 -. -1 1 348.10 H/Y -57.70 -39.60 0.00 -39.60 1 522.15 V/Z -67.20 -28.70 0.00 -28.70 1 696.20 ī 870.25 1 1044.30 = ---1 * 1218.35 1392.40 1566.45 _ -1740.50 _ _ -20.00 1750.00 EUT Emissions observed throughout the given frequency spectrum were recorded & evaluated. * These harmonic frequencies were not observed above the noise floor of the test equipment which was a minimum of 10dB below the limit. R-4990N Data Sheet 3 of 3