

**Submitted Measured Data –Class II Permissive Change**

| <u>MEASUREMENT</u>                 | <u>EXHIBIT</u> | <u>NUMBER OF PAGES</u> |
|------------------------------------|----------------|------------------------|
| 1. Tx Radiated Spurious Emissions  | 6F             | 2                      |
| 2. Tx Conducted Spurious Emissions | 6G             | 3                      |

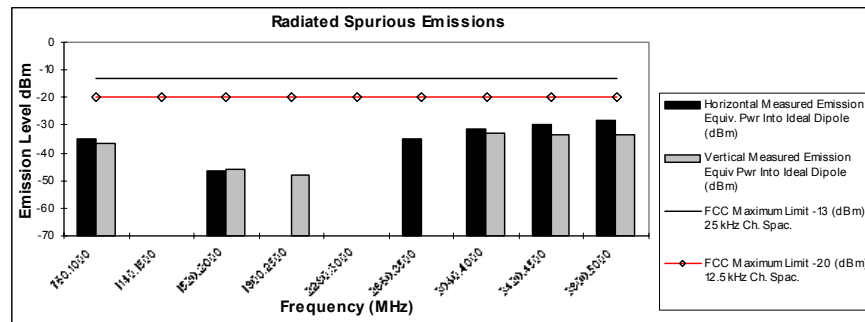
## Transmitter Radiated Spurious Emissions: XTS5000 UHF R1 Type 1

380.05 MHz

5 Watts

Channel Spacing 25kHz | S/N #144

| 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) |
|-----------------|----------------------------------------------|------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|
| 760.1000        | -13                                          | -20                                            | -34.87                                                          | -36.80                                                       |
| 1140.1500       | -13                                          | -20                                            | *                                                               | *                                                            |
| 1520.2000       | -13                                          | -20                                            | -46.59                                                          | -45.88                                                       |
| 1900.2500       | -13                                          | -20                                            | *                                                               | -48.07                                                       |
| 2280.3000       | -13                                          | -20                                            | *                                                               | *                                                            |
| 2660.3500       | -13                                          | -20                                            | -35.00                                                          | *                                                            |
| 3040.4000       | -13                                          | -20                                            | -31.47                                                          | -32.94                                                       |
| 3420.4500       | -13                                          | -20                                            | -29.90                                                          | -33.47                                                       |
| 3800.5000       | -13                                          | -20                                            | -28.37                                                          | -33.27                                                       |



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

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan  
FCC Registration: 91932 / Industry Canada: IC3679

February 14, 2003

## EXHIBIT 6F-1

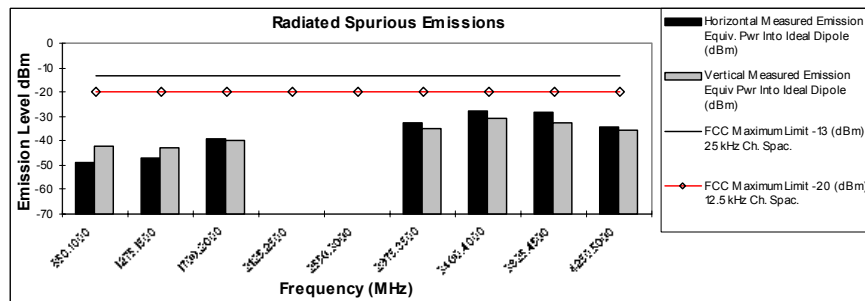
## Transmitter Radiated Spurious Emissions: XTS5000 UHF R1 Type 1

425.05 MHz

5 Watts

Channel Spacing 25kHz | S/N #144

| 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) |
|-----------------|----------------------------------------------|------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|
| 850.1000        | -13                                          | -20                                            | -48.61                                                          | -42.19                                                       |
| 1275.1500       | -13                                          | -20                                            | -47.34                                                          | -42.85                                                       |
| 1700.2000       | -13                                          | -20                                            | -39.27                                                          | -40.06                                                       |
| 2125.2500       | -13                                          | -20                                            | *                                                               | *                                                            |
| 2550.3000       | -13                                          | -20                                            | *                                                               | *                                                            |
| 2975.3500       | -13                                          | -20                                            | -32.32                                                          | -34.71                                                       |
| 3400.4000       | -13                                          | -20                                            | -28.01                                                          | -30.93                                                       |
| 3825.4500       | -13                                          | -20                                            | -28.40                                                          | -32.60                                                       |
| 4250.5000       | -13                                          | -20                                            | -34.66                                                          | -35.40                                                       |



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## EXHIBIT 6F-2

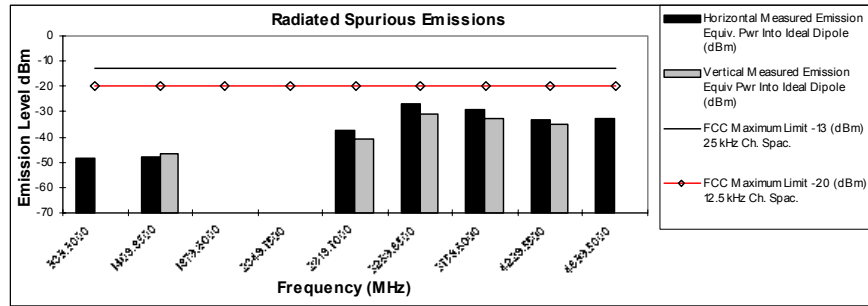
## Transmitter Radiated Spurious Emissions: XTS5000 UHF R1 Type 1

469.95 MHz

5 Watts

Channel Spacing 25kHz | S/N #144

| 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) |
|-----------------|----------------------------------------------|------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|
| 939.9000        | -13                                          | -20                                            | -48.66                                                          | *                                                            |
| 1409.8500       | -13                                          | -20                                            | -47.75                                                          | -46.52                                                       |
| 1879.8000       | -13                                          | -20                                            | *                                                               | *                                                            |
| 2349.7500       | -13                                          | -20                                            | *                                                               | *                                                            |
| 2819.7000       | -13                                          | -20                                            | -37.48                                                          | -40.64                                                       |
| 3289.6500       | -13                                          | -20                                            | -26.74                                                          | -31.00                                                       |
| 3759.6000       | -13                                          | -20                                            | -29.08                                                          | -32.68                                                       |
| 4229.5500       | -13                                          | -20                                            | -33.42                                                          | -34.88                                                       |
| 4699.5000       | -13                                          | -20                                            | -32.57                                                          | *                                                            |



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**EXHIBIT 6F-3**

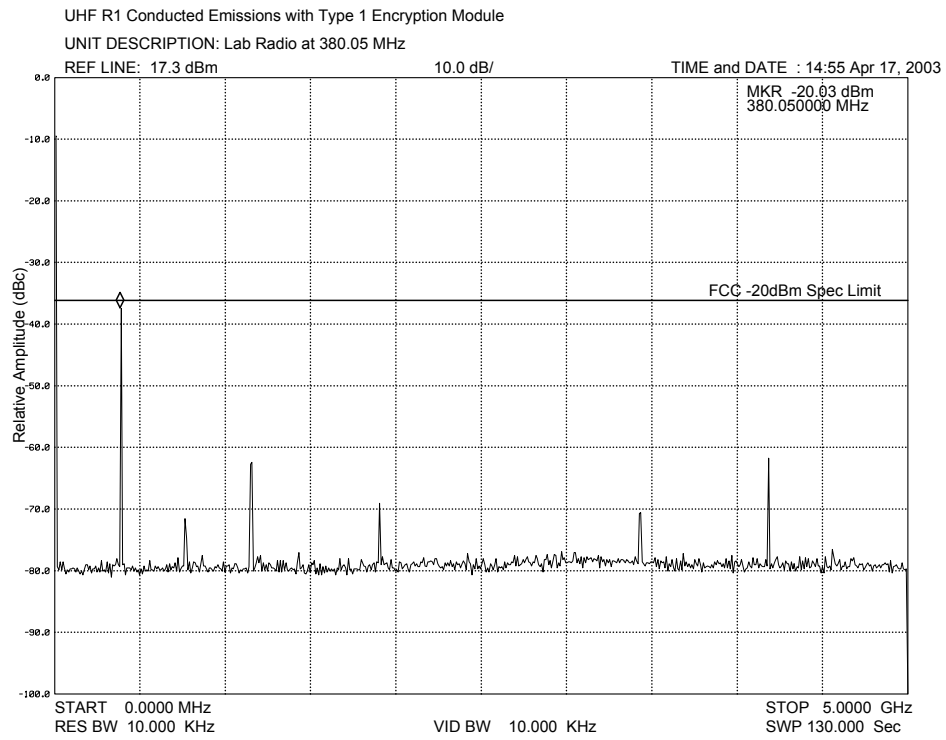


EXHIBIT 6G-1

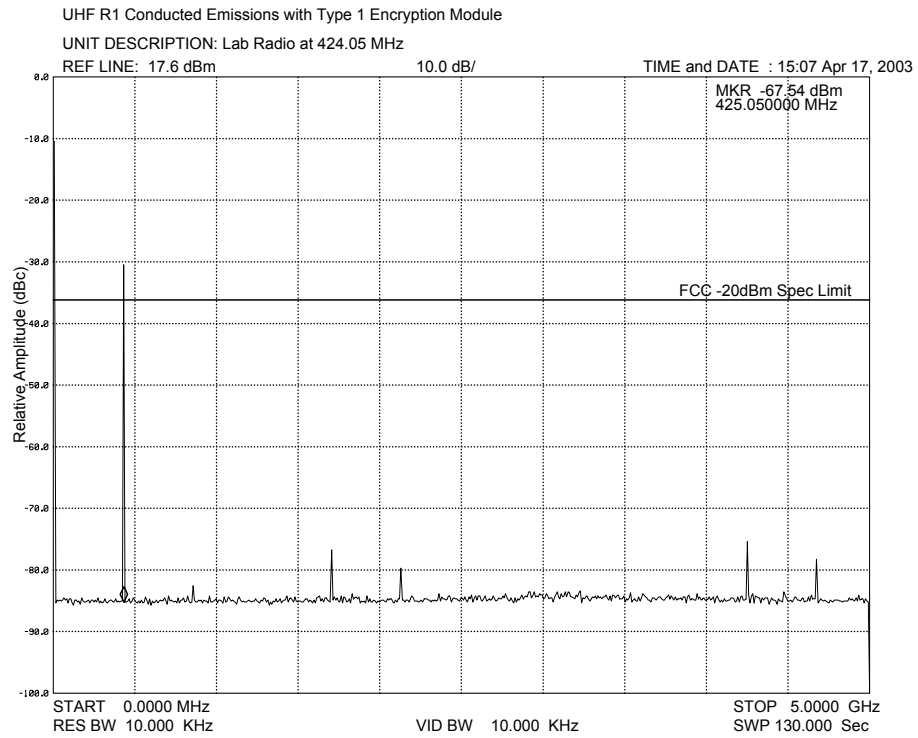


EXHIBIT 6G-2

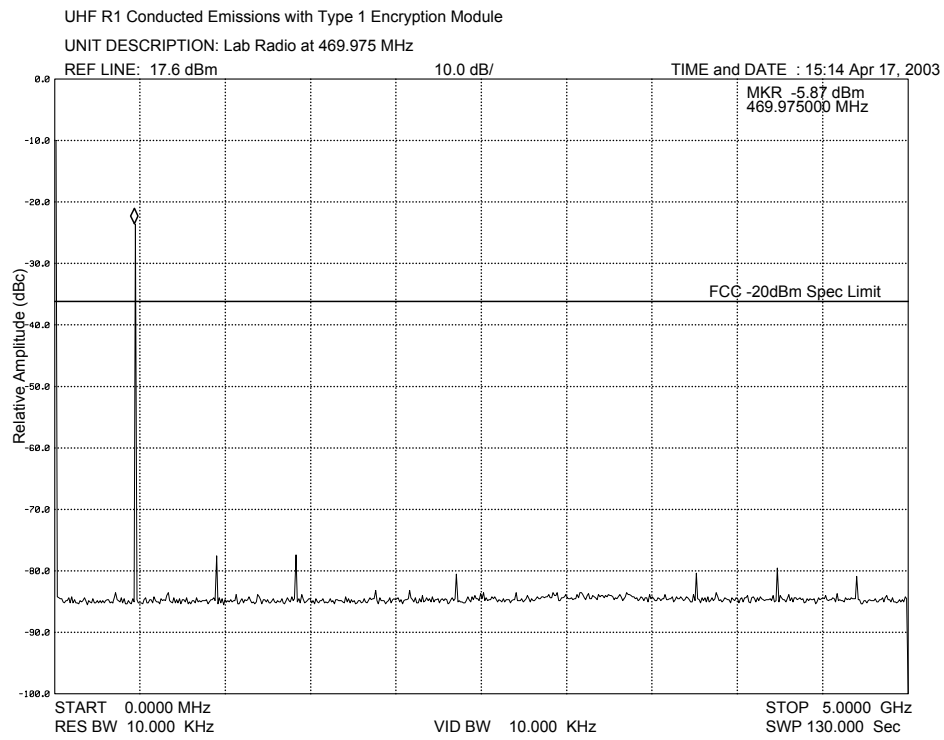


EXHIBIT 6G-3