

|    | ITEM                                 |      | SPEC  | Enviro.<br>SPEC | 25 degC    |            |            | -30 deg C  |            |            | +60 deg C  |            |            |
|----|--------------------------------------|------|-------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|    |                                      | unit |       |                 | 7.5V       | - Δ        | + Δ        | 7.5V       | - Δ        | + Δ        | 7.5V       | - Δ        | + Δ        |
| 1  | REFERENCE SENSITIVITY                | dBm  | <-116 | <-113           | -119.5     | -119.5     | -119.5     | -119.1     | -119.1     | -119.1     | -118.4     | -118.4     | -118.4     |
| 2  | ADJACENT CHANNEL REJECTION           | dB   | >70   | >60             | 82.6/-82.0 | 82.6/-82.0 | 82.6/-82.0 | 81.7/-82.0 | 81.7/-82.0 | 81.7/-82.0 | 81.8/-81.6 | 81.8/-81.6 | 81.8/-81.6 |
| 3  | SIGNAL DISPLACEMENT BANDWIDTH        | kHz  | >3    | >2              | 4.20/-4.90 | 4.20/-4.90 | 4.20/-4.90 | 5.04/-4.10 | 5.04/-4.10 | 5.04/-4.10 | 4.16/-4.70 | 4.16/-4.70 | 4.16/-4.70 |
| 4  | SPURIOUS RESPONSE REJECTION          | dB   | >70   | >60             |            |            |            |            |            |            |            |            |            |
|    | 1ST IMAGE                            | dB   | >70   | >60             | 102        | 102        | 102        |            |            |            |            |            |            |
|    | 1ST 1/2 IMAGE                        | dB   | >70   | >60             | 98.6       | 98.6       | 98.6       |            |            |            |            |            |            |
|    | 2nd IMAGE                            | dB   | >70   | >60             | 84.6       | 84.6       | 84.6       |            |            |            |            |            |            |
|    | 2nd 1/2 IMAGE                        | dB   | >70   | >60             | 97.7       | 97.7       | 97.7       |            |            |            |            |            |            |
| 5  | INTERMODULATION REJECTION            | dB   | >65   | >50             | 68.0/-70.0 | 68.0/-70.0 | 68.0/-70.0 |            |            |            |            |            |            |
| 6  | AUDIO FREQUENCY RESPONSE             | Fig  |       |                 |            |            |            |            |            |            |            |            |            |
| 7  | FM HUM AND NOISE RATIO               | dB   | >45   | >40             | 58.6       | 58.6       | 58.6       | 45.0       | 45.0       | 45.0       | 58.0       | 58.0       | 58.0       |
| 8  | Rated Audio Power(10%) @7.5V         | mW   | >400  |                 | 460        | 260        | 640        |            |            |            |            |            |            |
| 9  | AUDIO Distortion                     | %    | <5    | <10             | 1.3        | 1.3        | 1.3        | 4.2        | 4.2        | 4.2        | 1.7        | 1.7        | 1.7        |
| 10 | AUDIO SENSITIVITY                    | %    | <40   | <60             | 26         | 29         | 23         | 34         | 38         | 34         | 24         | 28         | 33         |
| 11 | RECEIVER ATTACK TIME                 | mSec | <150  | <150            | 58         | 58         | 58         |            |            |            |            |            |            |
| 12 | RECEIVER CLOSING TIME                | mSec | <250  | <250            | 40         | 40         | 40         |            |            |            |            |            |            |
| 13 | Squelch Sensitivity(Threshold) SINAD | dB   | <12   | <16             | 9.0        | 9.0        | 9.0        | 11.0       | 11.0       | 11.0       | 6.0        | 6.0        | 6.0        |
| 14 | Squelch Sensitivity(Tight) SINAD     | dB   | >15   | >15             | 18.0       | 18.0       | 18.0       | 20.0       | 20.0       | 20.0       | 17.0       | 17.0       | 17.0       |
| 15 | Squelch Blocking                     | kHz  | >3    | >3              | >3         | >3         | >3         | >3         | >3         | >3         | >3         | >3         | >3         |
| 16 | RADIATED SPUROUS EMISSIONS           |      |       |                 |            |            |            |            |            |            |            |            |            |
| 17 | CONDUCTED SPURIOUS EMISSIONS         | dBm  | <-57  | <-57            | -85        | -85        | -85        |            |            |            |            |            |            |
| 18 | Current Durren @400mW                | mA   |       |                 | 170        | 183        | 170        |            |            |            |            |            |            |
| 19 | ST-BY Current Durren                 | mA   |       |                 | 44.3       | 44.3       | 44.3       |            |            |            |            |            |            |

|     |       |      |     |       |      |
|-----|-------|------|-----|-------|------|
| + Δ | 10%   | 20%  | - Δ | -10%  | -20% |
|     | 8.25V | 9.0V |     | 6.75V | 6.0V |