

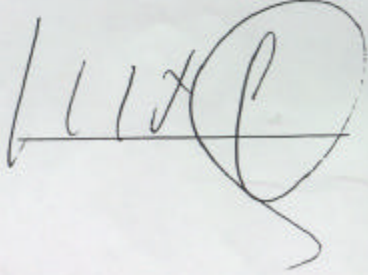


1.2 PRODUCT DESCRIPTION

| Issue: _____ Sheet _____ of _____ Model No.: _____ |  TELEAN TECHNOLOGY LTD. SPECIFICATION | Date: 29-NOV-1999 Issue: _____ SHEET <u>1</u> OF <u>1</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--------------|-------------|----------------|--------------|--------------------------------|-----|-----------------|------------|------|-----|-----------------|------------|--------------------|----|-----|-----------|----------------------|---|----|-------|--|-----|-----|------|---|----|---------|-------|--|---|-----|-----|---|----|----|----|
| <u>FM-04-TX (TRANSMITTER)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 10%; text-align: center;"><u>Unit</u></th> <th style="width: 20%; text-align: center;"><u>Nominal</u></th> <th style="width: 20%; text-align: center;"><u>Limit</u></th> </tr> </thead> <tbody> <tr> <td>1. Transmission Frequency CH.1</td> <td>MHz</td> <td>49.1 \pm0.05</td> <td>\pm0.03</td> </tr> <tr> <td>CH.2</td> <td>MHz</td> <td>49.7 \pm0.05</td> <td>\pm0.03</td> </tr> <tr> <td>2. RF Output Power</td> <td>mW</td> <td>0.1</td> <td>0.05~0.15</td> </tr> <tr> <td>3. Operating Voltage</td> <td>V</td> <td>12</td> <td>11-17</td> </tr> <tr> <td>4. Band Width (-3dB) AT 1KHz I/P 300mV (MAX.)</td> <td>KHz</td> <td>200</td> <td><300</td> </tr> <tr> <td>5. Frequency Response (I/P 100mV + RX , DIST.=1 METER)</td> <td>Hz</td> <td>65~6.5K</td> <td>70~6K</td> </tr> <tr> <td>6. Distortion (1KHz 300mV + RX , DIST.=1 M)</td> <td>%</td> <td>0.8</td> <td>1.5</td> </tr> <tr> <td>7. MPX. Separation (1KHz 300mV + RX , DIST.=1 M)</td> <td>dB</td> <td>26</td> <td>20</td> </tr> </tbody> </table> | | | | <u>Unit</u> | <u>Nominal</u> | <u>Limit</u> | 1. Transmission Frequency CH.1 | MHz | 49.1 \pm 0.05 | \pm 0.03 | CH.2 | MHz | 49.7 \pm 0.05 | \pm 0.03 | 2. RF Output Power | mW | 0.1 | 0.05~0.15 | 3. Operating Voltage | V | 12 | 11-17 | 4. Band Width (-3dB) AT 1KHz I/P 300mV (MAX.) | KHz | 200 | <300 | 5. Frequency Response (I/P 100mV + RX , DIST.=1 METER) | Hz | 65~6.5K | 70~6K | 6. Distortion (1KHz 300mV + RX , DIST.=1 M) | % | 0.8 | 1.5 | 7. MPX. Separation (1KHz 300mV + RX , DIST.=1 M) | dB | 26 | 20 |
| | <u>Unit</u> | <u>Nominal</u> | <u>Limit</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Transmission Frequency CH.1 | MHz | 49.1 \pm 0.05 | \pm 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CH.2 | MHz | 49.7 \pm 0.05 | \pm 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. RF Output Power | mW | 0.1 | 0.05~0.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. Operating Voltage | V | 12 | 11-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. Band Width (-3dB) AT 1KHz I/P 300mV (MAX.) | KHz | 200 | <300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. Frequency Response (I/P 100mV + RX , DIST.=1 METER) | Hz | 65~6.5K | 70~6K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. Distortion (1KHz 300mV + RX , DIST.=1 M) | % | 0.8 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. MPX. Separation (1KHz 300mV + RX , DIST.=1 M) | dB | 26 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> Prepared By :  </div> <div style="text-align: center;"> Approved by :  </div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENGINEERING DEPARTMENT | | Model No.: FM-04-TX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**TELEAN TECHNOLOGY LTD.****SPECIFICATION**

Date: 28-OCT-1999

Issue: 1

SHEET 1 OF 1

Issue:

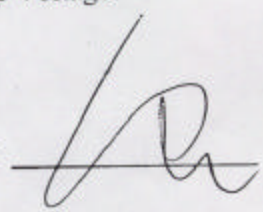
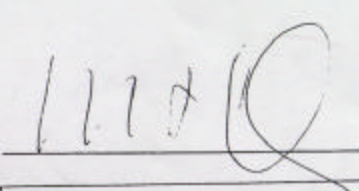
Sheet ___ of ___

Model No.:

RF-777DV RECEIVER

(FOR 49.1 / 49.7MHz)

| | Unit | Nominal | Limit |
|---|------|-----------|--|
| 1. Reception Frequency | MHz | | Lower 48.0 ± 0.5 Upper 51.0 ± 0.5 |
| 2. Max Sens. (-6dB S/N) | dBuV | -1.0 | 1.0 |
| 3. 30dB S/N Sens. | dBuV | 6 | 10 |
| 4. 60dB Input S/N (DEV = 22.5KHz) | dB | 50 | 45 |
| 5. Distortion at 1KHz (22.5KHz DEV.) | % | 0.5 | 1 |
| 6. Frequency Response (-3dB) Without Pre-Emp. | Hz | 20 - 3.5K | 30 - 3K |
| 7. Output Level (40 ohm load) (DEV = 22.5KHz) | mV | 130 | 100 |
| 8. Channel Balance | dB | 1 | 2.5 |
| 9. MPX Channel Separation | dB | 30 | 24 |
| 10. OSC Stop Voltage | V | 1.8 | 2.1 |

Prepared by: Approved by: 

ENGINEERING DEPARTMENT

Model No.: RF-777DV-RX(49.1/49.7MHz)

