

BZ5MX30V  
 Application for FCC Certification  
 Modulator Input  
 30 Watt VHF Translator

# ATTENUATION VS FREQUENCY CHARACTERISTICS

| MODULATING FREQUENCY(MHz)<br>REF = VISUAL CARRIER (MHz) | UPPER<br>SIDE BAND | FCC LIMIT<br>(dB) | LOWER<br>SIDE BAND | FCC LIMIT<br>(dB) |
|---------------------------------------------------------|--------------------|-------------------|--------------------|-------------------|
| +0.2                                                    | 0                  | Reference         | -                  | -                 |
| -0.5                                                    | -0.5               |                   | -                  | -                 |
| +0.5                                                    | -0.1               |                   | -                  | -                 |
| +1.25                                                   | -0.3               |                   | -25                | >-20              |
| +2.0                                                    | -0.4               |                   | -28                | >-20              |
| +2.5                                                    | -0.4               |                   | -39                | >-20              |
| +3.0                                                    | -0.3               |                   | -46                | >-20              |
| +3.5                                                    | -0.3               |                   | -54                | >-20              |
| +3.58                                                   | -0.2               |                   | -56                | >-42              |
| +4.1                                                    | -0.3               |                   | -64                | >-20              |
| +4.18                                                   | -0.2               |                   | -70                | >-20              |
| +4.75                                                   | -27.2              | >-20              | -71                | >-20              |
| +5.0                                                    | -27.7              | >-20              | -74                | >-20              |
| +6.0                                                    | -63                | >-20              | -76                | >-20              |
| +7.0                                                    | -71                | >-20              | -77                | >-20              |
| +8.0                                                    | -89                | >-20              | -80                | >-20              |
| +9.0                                                    | -98                | >-20              | -84                | >-20              |
| +10.0                                                   | -105               | >-20              | -85                | >-20              |