

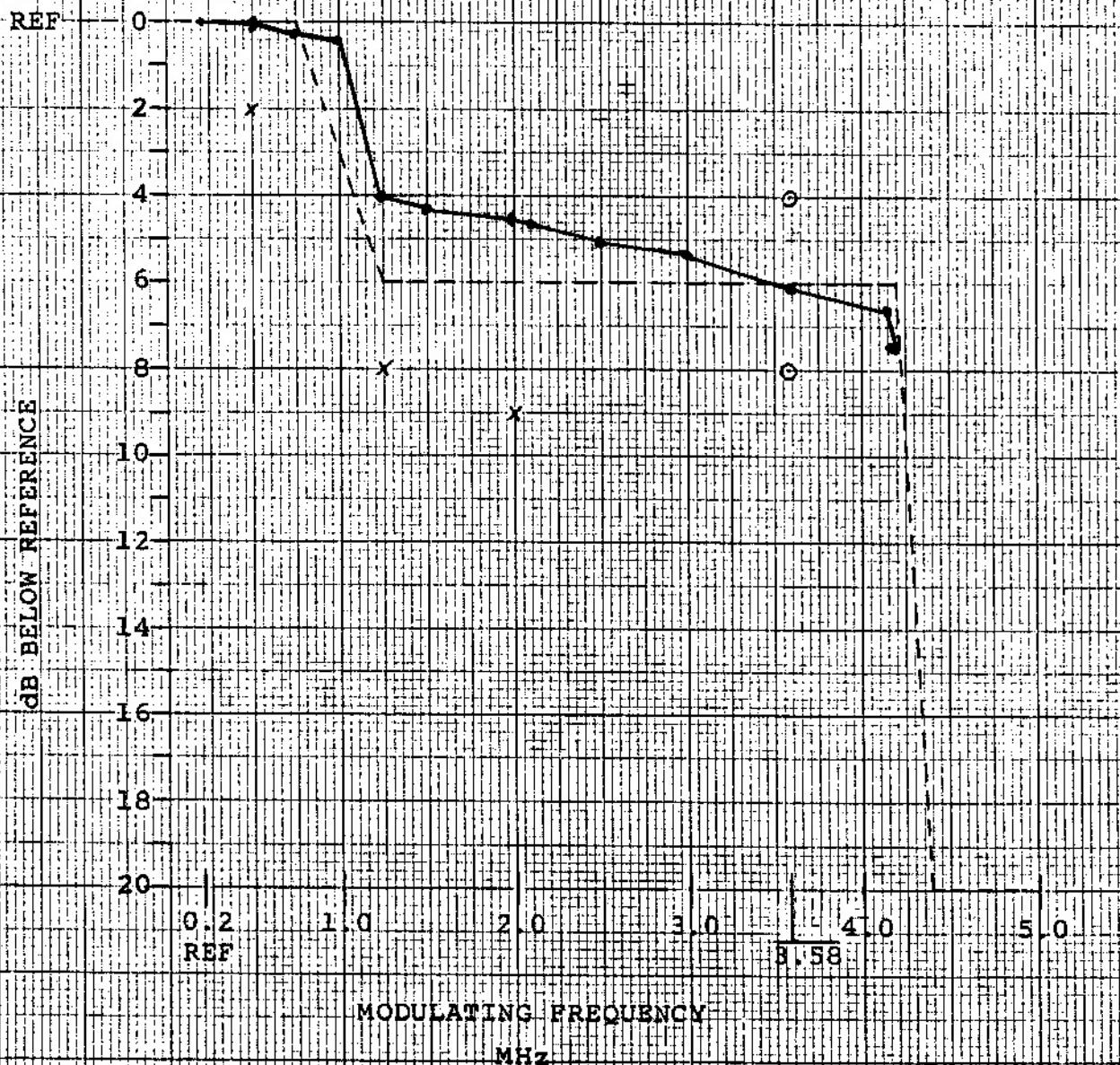
BZ5TTS250MV
 Application for FCC Certification
 Modulator Input
 250 Watt VHF Translator

OVERALL ATTENUATION CHARACTERISTIC

MODULATING FREQUENCY (MHz)	DETECTED OUTPUT (dB)	FCC LIMIT RELATIVE TO 0.2 MHz	FCC LIMIT RELATIVE TO 3.58 MHz
0.2	0 REF	—	—
0.5	0.0	< -2	—
0.75	0.1	—	—
1.0	-0.4	—	—
1.25	-4.0	< -8	—
1.5	-4.2	—	—
2.0	-4.3	< -9	—
2.1	-4.5	—	< ±2
2.5	-5.1	—	< ±2
3.0	-5.5	—	< ±2
3.58	-6.2	-6 ±2	REF
4.1	-6.8	—	< ±2
4.18	-7.5	—	< -4

OVERALL ATTENUATION CHARACTERISTIC

MODEL NUMBER: BZ5TTS250MV



- 1) Dashed Line = Assumed Ideal Detector Output
- 2) x = Lower Limit Indicated Frequency
- 3) o = ± 2 dB Limit of 3.58 MHz Relative to 200kHz
- 4) Frequency Between 2.1 & 4.1 MHz Shall Not Vary More Than ± 2 dB Relative 3.58MHz
- 5) 4.18MHz Must Be Less Than 4dB Below 3.58MHz

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ATTENUATION VS FREQUENCY CHARACTERISTICS

MODULATING FREQUENCY(MHz) REF = VISUAL CARRIER(MHz)	UPPER SIDE BAND	FCC LIMIT (dB)	LOWER SIDE BAND	FCC LIMIT (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	-26.3	>-20	-72	>-20
+5.0	-26.7	>-20	-73	>-20
+6.0	-62	>-20	-76	>-20
+7.0	-70	>-20	-77	>-20
+8.0	-88	>-20	-82	>-20
+9.0	-97	>-20	-86	>-20
+10.0	-104	>-20	-87	>-20