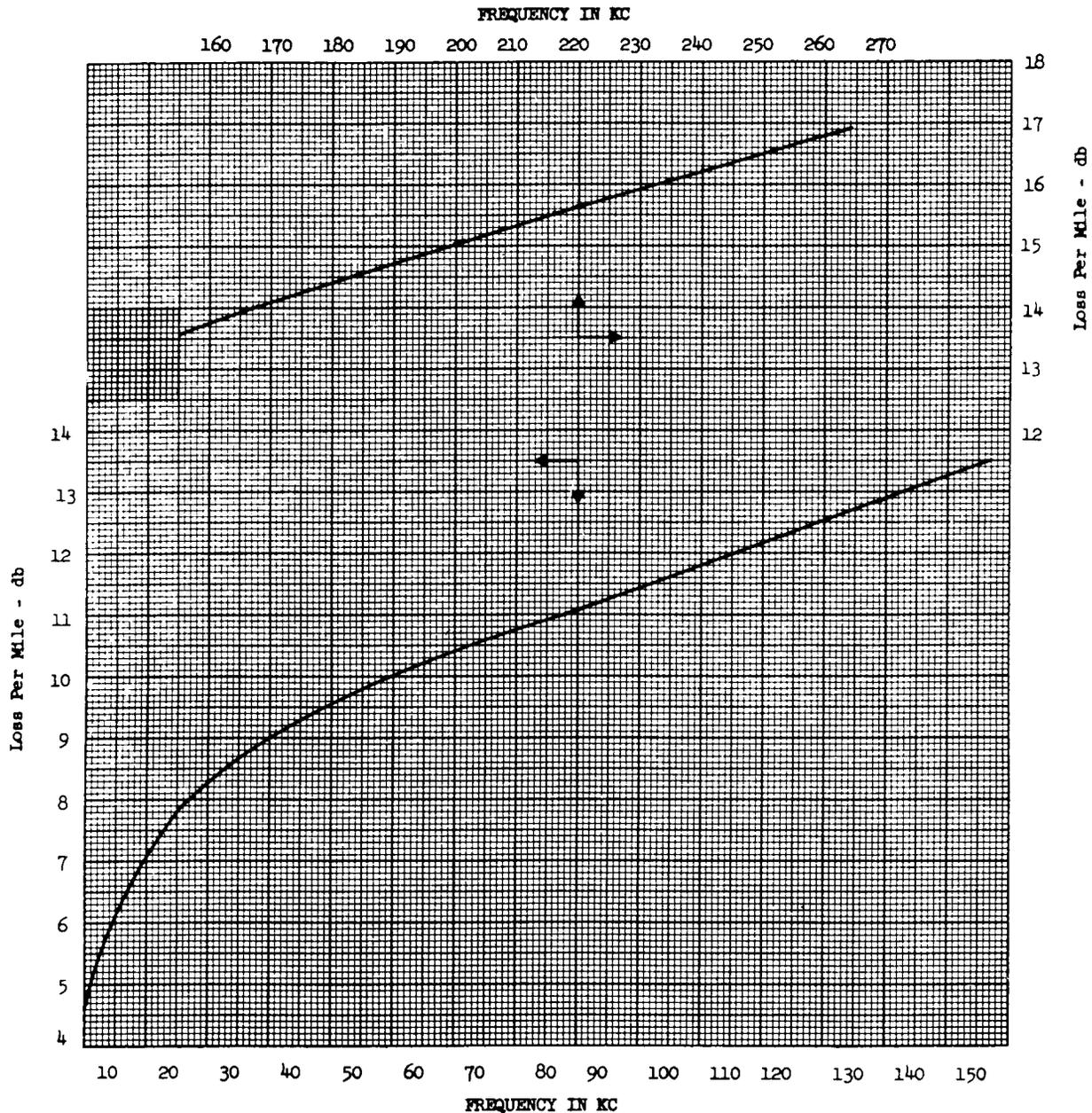


**CABLE LOSSES AT CARRIER FREQUENCIES**  
**24 GAUGE CSM CABLE**  
(.072 mf/mile)

Losses in db/mile at 55°F.

Applies to a pair having nominal capacitance; measured losses may vary  $\pm 10\%$



**APPROXIMATE CHANGES IN CARRIER**  
**CABLE ATTENUATION AND TEMPERATURE COEFFICIENTS**

	K CARRIER				N AND ON CARRIER			
Frequency in kc	12	28	57	60	40	128	176	264
Attenuation (db/mile)	6.53	8.50	10.10	10.22	9.35	12.63	14.30	16.91
Temp. Coefficient (db/mi./10°F.)	.099	.133	.175	.177	.162	.215	.223	.234

**24 GAUGE CSM CABLE**  
(.072 mf/mile)

**Types N and ON Carrier Engineering Data**  
(Values in db at 55°F.)

Low Group 128 KC Loss N Channel 2 ON Carrier 1	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		1.26	2.53	3.79	5.05	6.32	7.58	8.84	10.10	11.37
	1	12.63	13.89	15.16	16.42	17.68	18.95	20.21	21.47	22.73	24.00
	2	25.26	26.52	27.79	29.05	30.31	31.58	32.84	34.10	35.36	36.63
	3	37.89	39.15	40.42	41.68	42.94	44.21	45.47	46.73	47.99	49.26
	4										
5											

High Group 176 KC Loss N Channel 2 ON Carrier 1	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		1.43	2.86	4.29	5.72	7.15	8.58	10.01	11.44	12.87
	1	14.30	15.73	17.16	18.59	20.02	21.45	22.88	24.31	25.74	27.17
	2	28.60	30.03	31.46	32.89	34.32	35.75	37.18	38.61	40.04	41.47
	3	42.90	44.33	45.76	47.19	48.62	50.05	51.48	52.91	54.34	55.77
	4										
5											

Low Group Positive (+) Slope (Difference between 128 KC and 40 KC Losses)	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		.33	.66	.99	1.31	1.64	1.97	2.30	2.62	2.95
	1	3.28	3.61	3.94	4.26	4.60	4.92	5.25	5.58	5.90	6.23
	2	6.56	6.89	7.22	7.54	7.87	8.20	8.53	8.86	9.18	9.51
	3	9.84	10.17	10.50	10.82	11.15	11.48	11.81	12.14	12.46	12.80
	4										
5											

High Group Negative (-) Slope (Difference between 264 KC and 176 KC Losses)	MILES	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	0		.26	.52	.78	1.04	1.31	1.57	1.83	2.09	2.35
	1	2.61	2.87	3.13	3.39	3.65	3.92	4.18	4.44	4.70	4.96
	2	5.22	5.48	5.74	6.00	6.26	6.53	6.79	7.05	7.31	7.57
	3	7.83	8.09	8.35	8.61	8.87	9.14	9.40	9.66	9.92	10.18
	4										
5											