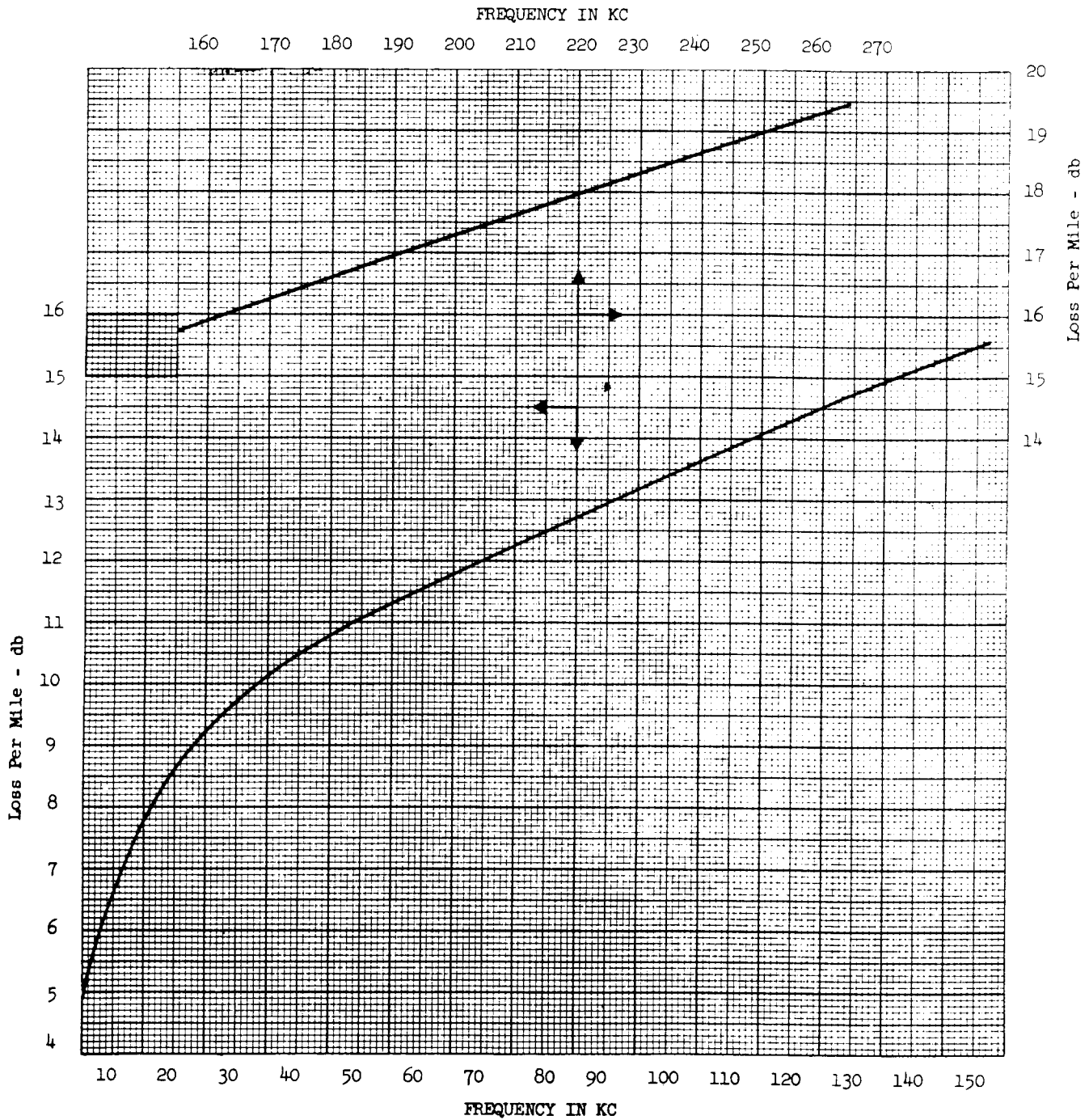


**CABLE LOSSES AT CARRIER FREQUENCIES**  
**24 GAUGE DSM CABLE**  
(.084 mf/mile)

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)	7.10	9.53	10.39	11.54	10.53	14.63	16.46	19.47
Temp. Coefficient (db/mi./10°F.)	.108	.155	.202	.214	.186	.249	.261	.276

**24 GAUGE DSM CABLE**  
(.084 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		1.46	2.93	4.39	5.85	7.32	8.78	10.24	11.70	13.17
	1	14.63	16.09	17.56	19.02	20.48	21.95	23.41	24.87	26.33	27.80
	2	29.26	30.72	32.19	33.65	35.11	36.58	38.04	39.50	40.96	42.43
	3	43.89	45.35	46.82	48.28	49.74	51.21	52.67	54.13	55.59	57.06
	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		1.65	3.29	4.94	6.58	8.23	9.88	11.52	13.17	14.81
	1	16.46	18.11	19.75	21.40	23.04	24.69	26.34	27.98	29.63	31.27
	2	32.92	34.57	36.21	37.86	39.50	41.15	42.80	44.44	46.09	47.73
	3	49.38	51.03	52.67	54.32	55.96	57.61	59.26	60.90	62.55	64.19
	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		.41	.82	1.23	1.64	2.05	2.46	2.87	3.28	3.69
	1	4.10	4.51	4.92	5.33	5.74	6.15	6.56	6.97	7.38	7.79
	2	8.20	8.61	9.02	9.43	9.84	10.25	10.66	11.07	11.48	11.89
	3	12.30	12.71	13.12	13.53	13.94	14.35	14.76	15.17	15.58	15.99
	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		.30	.60	.90	1.20	1.51	1.81	2.11	2.41	2.71
	1	3.01	3.31	3.61	3.91	4.21	4.52	4.82	5.12	5.42	5.72
	2	6.02	6.32	6.62	6.92	7.22	7.53	7.83	8.13	8.43	8.73
	3	9.03	9.33	9.63	9.93	10.23	10.54	10.84	11.14	11.44	11.74
	4										
5											