PRINT DATE: 05-07-1997 18:26:13 FILE: RFI.PRT AAM Version 4.2, 051094

Interference thresholds are computed using the following:

Type of navaid antenna: 8 Element LPD 17 dB Gain
Type of service volume: U. S. Standard

Listing of A2/B2 Evaluations

Freq (MHz)	ID	Call	Offset (MHz)	#Pts

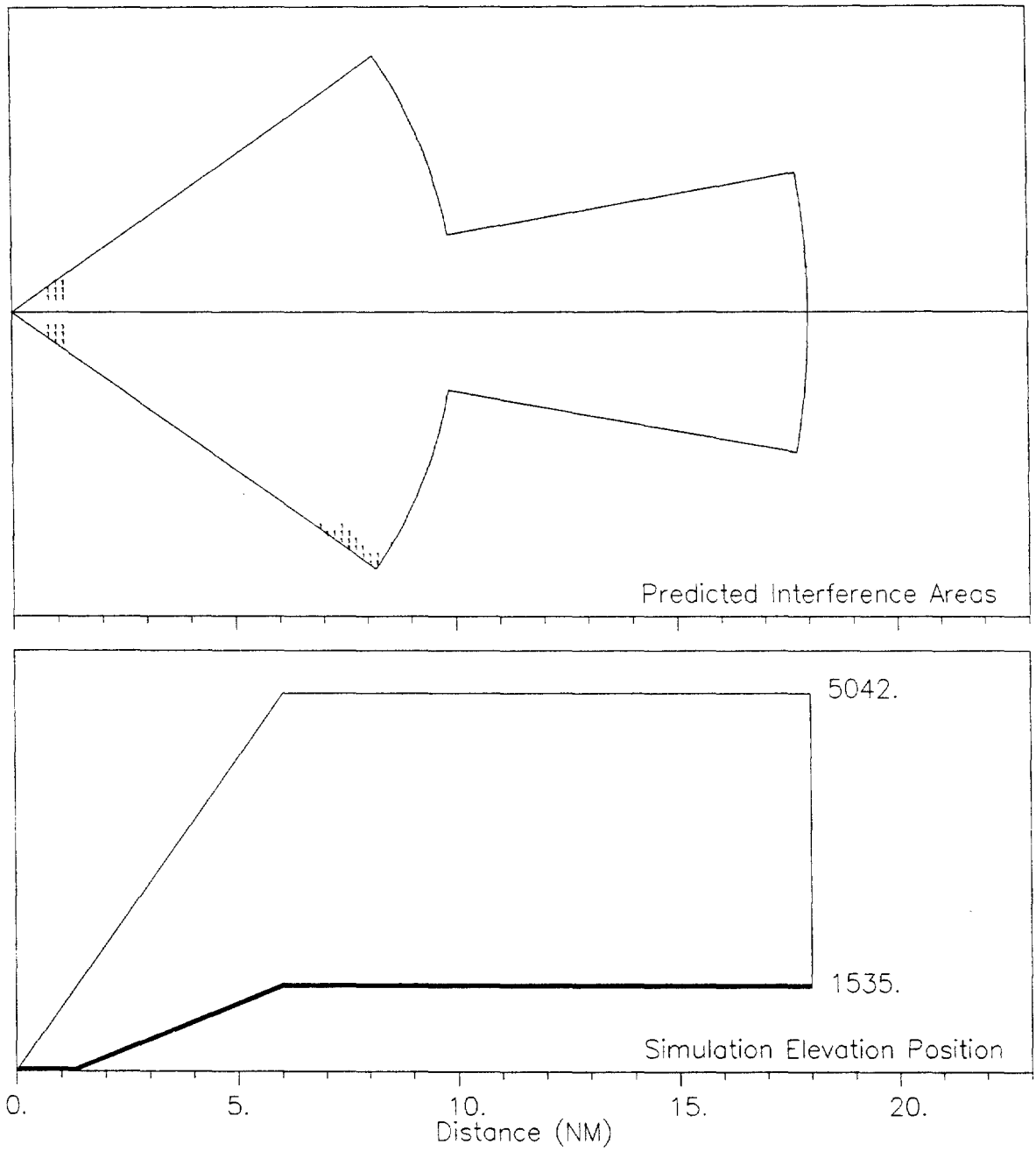
No A2/B2 points found.

Listing of 2-signal intermodulation (B1) combinations

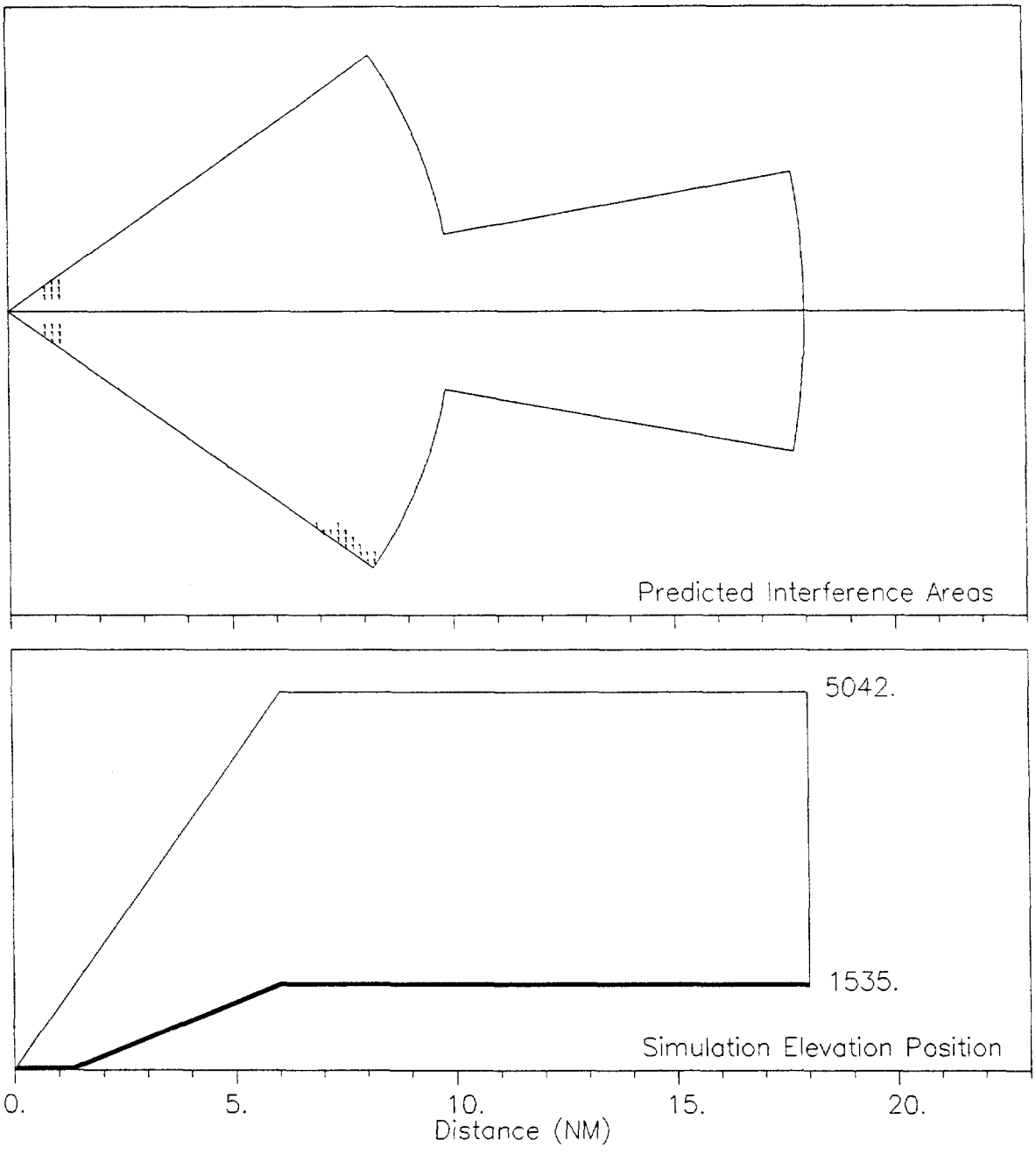
Freq 1 (MHz)	ID	Call	Freq 2 (MHz)	ID	Call	IMod (MHz)	Offset (KHz)	#Pts
107.50	(74)	WRVW	106.70	(73)	WNPL	108.30	0	2267

Listing of 3-signal intermodulation (B1) combinations

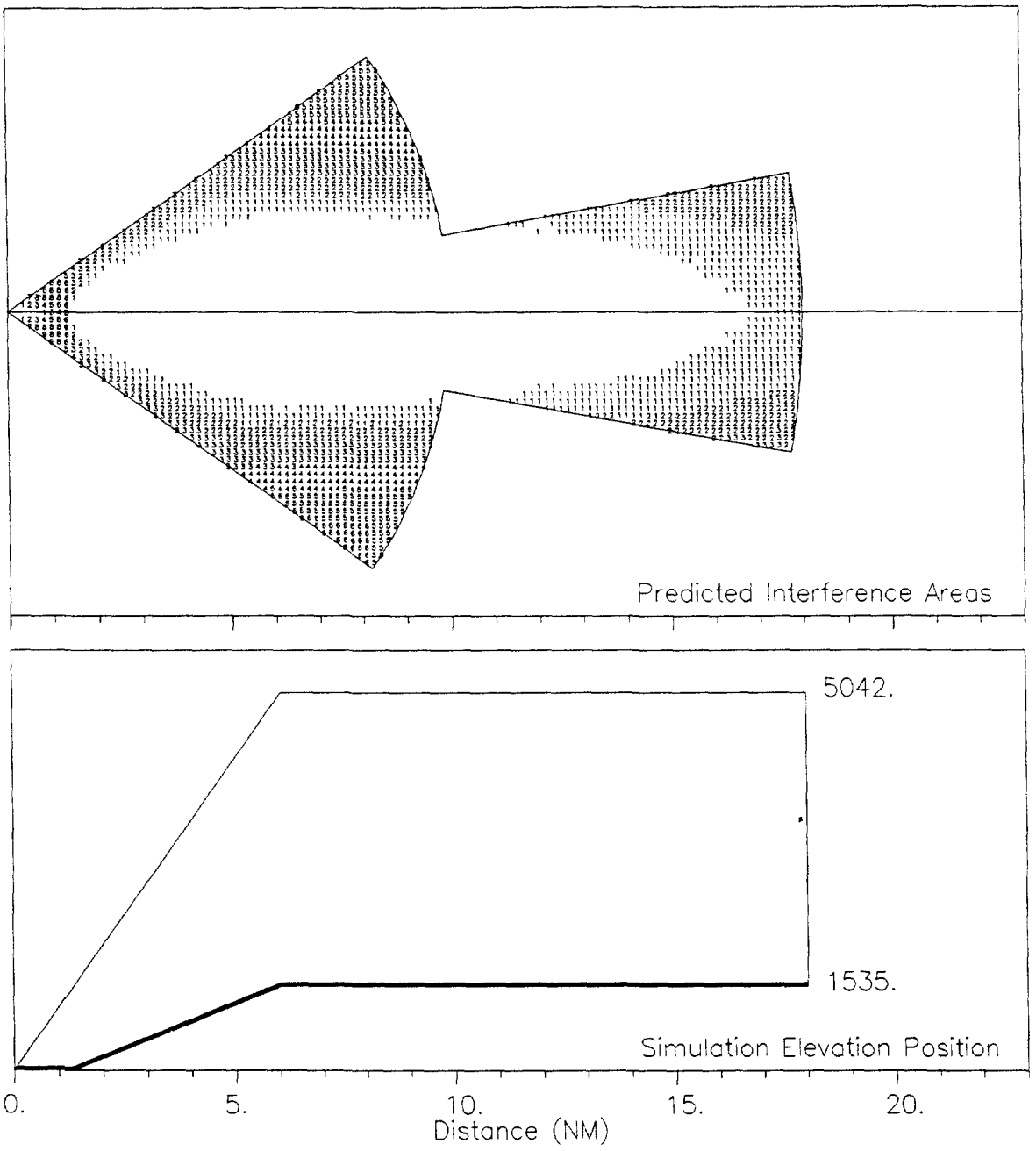
Freq 1 (MHz)	ID	Call	Freq 2 (MHz)	ID	Call	Freq 3 (MHz)	ID	Call	IMod (MHz)	Offset (KHz)	#Pts
107.50	(74)	WRVW	106.70	(73)	WNPL	105.90	(72)	WLAC	108.30	0	1854
106.70	(73)	WNPL	104.50	(69)	WGFX	102.90	(65)	WZPC	108.30	0	33
106.70	(73)	WNPL	104.50	(69)	WGFX	102.90	(64)	WZPC	108.30	0	33



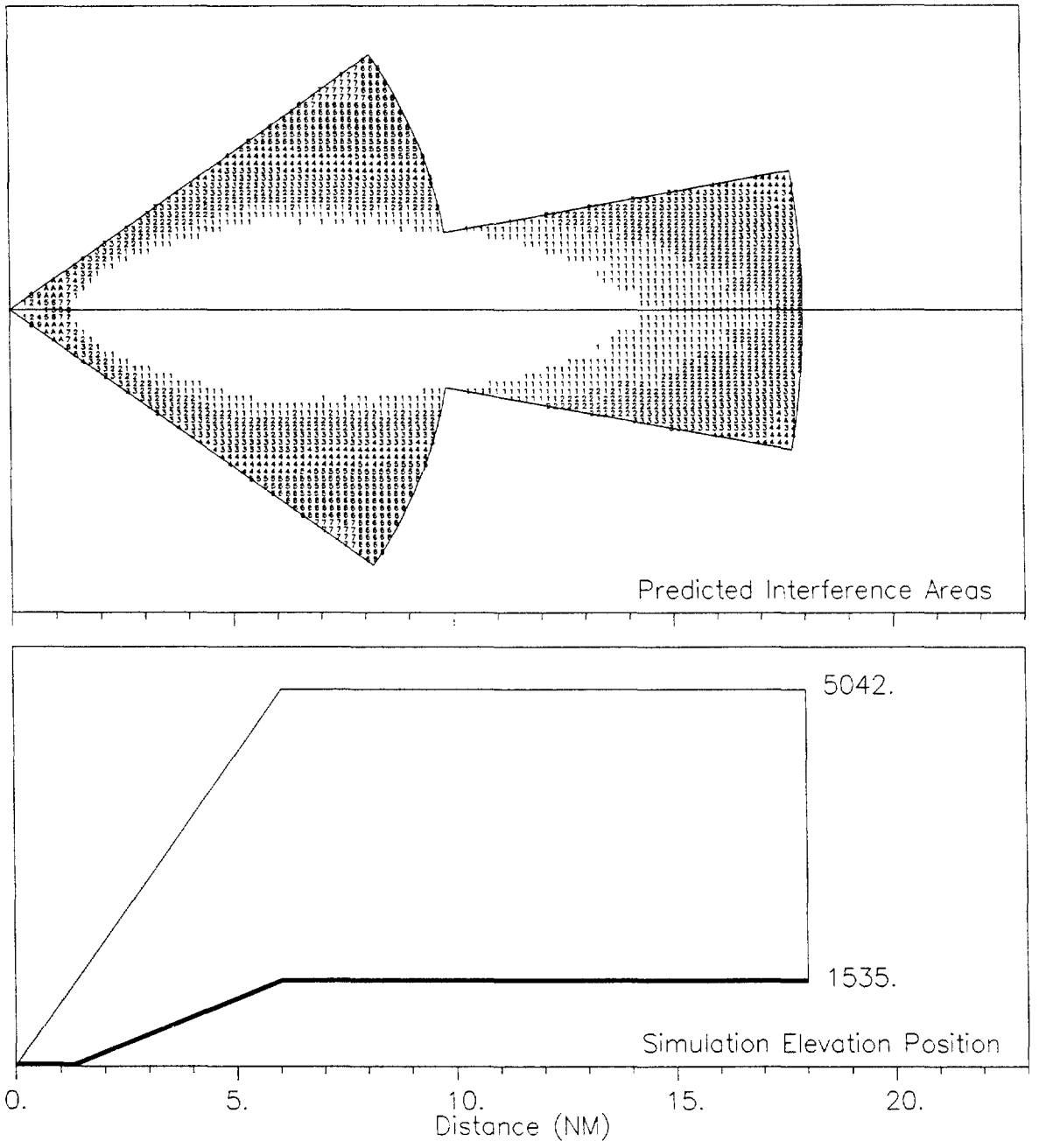
Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 21_1X_1S.plt
Intermod (B1) plot: WNPL (73), WGFX (69), & WZPC (64)
Frequencies: WNPL = 106.70 MHz WGFX = 104.50 MHz WZPC = 102.90 MHz
Navaid: MQY Frequency: 108.30 MHz Elevation (ft MSL): 535.
Runway heading: 319.0
Grid orientation: Bottom of service volume



Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 21_1X_1T.plt
Intermod (B1) plot: WNPL (73), WGFX (69), & WZPC (65)
Frequencies: WNPL = 106.70 MHz WGFX = 104.50 MHz WZPC = 102.90 MHz
Navaid: MQY Frequency: 108.30 MHz Elevation (ft MSL): 535.
Runway heading: 319.0
Grid orientation: Bottom of service volume



Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 22_21_20.plt
Intermod (B1) plot: WRVW (74), WNPL (73), & WLAC (72)
Frequencies: WRVW = 107.50 MHz WNPL = 106.70 MHz WLAC = 105.90 MHz
Navaid: MQY Frequency: 108.30 MHz Elevation (ft MSL): 535.
Runway heading: 319.0
Grid orientation: Bottom of service volume



Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 22_21___.plt
Intermodulation (B1) plot: WRVW (74) & WNPL (73)
Frequencies: WRVW = 107.50 MHz WNPL = 106.70 MHz
Navaid: MQY Frequency: 108.30 MHz Elevation (ft MSL): 535.
Runway heading: 319.0
Grid orientation: Bottom of service volume

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Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97
Navaid Identifier: SSX
Navaid Frequency (MHz): 109.35

Navaid Latitude: 36. 6 31
Navaid Longitude: 86. 40 9

Runway Heading (True): 196.0
Runway Elevation (Ft. MSL): 599.
Runway Length (Ft): 8000.

Prop ID Stat	Call	Freq (MHz)	Latitude	Longitude	ERP (Kw)	Height (MSL)	Range (NM)	Radial (True)	Lic Stat
1	WFSK	88.10	36. 10 0	86. 48 17	.700	551.	7.44	117.94	L
2	NEWx	88.30	36. 27 27	87. 14 5	6.000	751.	34.44	127.43	
3	WMTS	88.30	35. 50 56	86. 21 11	.200	768.	21.87	315.44	A
4	NEWx	88.30	36. 17 36	87. 18 16	9.000	1102.	32.69	109.82	
5	WVCP	88.50	36. 28 2	86. 28 35	1.000	1096.	23.45	203.43	L
6	WAYM	88.70	35. 49 27	86. 49 28	3.700	1309.	18.66	23.84	L
7	WAYM	88.70	35. 49 27	86. 49 28	16.500	1309.	18.66	23.84	A
8	WNAZ	89.10	36. 8 33	86. 45 10	1.400	666.	4.53	116.65	L
9	WNAZ	89.10	36. 8 28	86. 45 23	1.400	738.	4.66	114.76	
10	WMOT	89.50	35. 51 0	86. 21 0	50.000	846.	21.93	315.04	L
11	WMOT	89.50	36. 5 7	86. 26 22	100.000	1260.	11.22	277.17	C
12	WPLN	90.30	36. 2 8	86. 50 56	80.000	1903.	9.76	63.30	L
13	WRVU	91.10	36. 8 27	86. 51 56	14.500	1037.	9.71	101.48	L
14	WFMQ	91.50	36. 12 13	86. 18 1	.500	656.	18.76	252.31	L
15	WFCM	91.70	35. 43 52	86. 41 25	1.000	1677.	22.67	2.59	A
16	NEW-	91.90	35. 50 56	86. 21 11	.080	722.	21.87	315.44	
17	WQQK	92.10	36. 17 50	86. 45 11	3.000	1053.	12.02	160.26	L
18	WJXA	92.90	36. 7 14	86. 58 7	100.000	1663.	14.53	92.83	L
19	WYYB	93.70	36. 4 32	87. 15 44	18.000	1037.	28.82	86.05	
20	WYYB	93.70	36. 4 32	87. 15 44	6.000	1037.	28.82	86.05	L
21	W230	93.90	36. 28 2	86. 28 30	.100	1076.	23.48	203.58	C
22	WRLG	94.10	35. 59 43	86. 33 29	3.900	823.	8.68	321.60	C
23	NEW-	94.10	36. 9 46	86. 46 34	.250	551.	6.12	122.09	A
24	WDBL	94.30	36. 29 42	86. 54 22	3.000	988.	25.86	153.70	L
25	W233	94.50	36. 17 47	86. 35 3	.027	732.	11.99	200.07	A
26	NEW-	94.50	36. 5 22	86. 42 13	.250	689.	2.03	55.44	
27	W234	94.70	36. 7 29	86. 50 49	.100	607.	8.67	96.40	L
28	W234	94.70	36. 8 27	86. 51 56	.200	1010.	9.71	101.48	A
29	WSMx	95.50	36. 8 27	86. 51 56	100.000	1864.	9.71	101.48	L
30	WRMX	96.30	36. 5 7	86. 26 22	100.000	1407.	11.22	277.17	L
31	WRMX	96.30	36. 15 50	86. 47 38	52.000	1886.	11.10	147.04	C
32	NEWx	97.10	36. 16 5	86. 47 16	9.700	1719.	11.16	149.02	A
33	NEWx	97.10	36. 16 31	86. 53 7	50.000	1093.	14.47	133.70	A
34	NEWx	97.10	36. 16 57	86. 48 6	50.000	1099.	12.25	148.41	A
35	NEWx	97.10	36. 17 22	86. 33 1	50.000	1014.	12.28	207.95	A

	36	NEWx	97.10	36.	18	18	86.	46	14	24.500	1299.	12.76	157.39	A
	37	NEWx	97.10	36.	18	18	86.	46	42	24.500	1299.	12.91	155.84	A
	38	NEWx	97.10	36.	20	45	86.	31	54	50.000	1043.	15.71	205.06	A
	39	NEWx	97.10	36.	12	58	86.	33	32	50.000	1004.	8.37	219.63	A
	40	NEWx	97.10	36.	14	4	86.	31	31	50.000	1017.	10.27	222.71	A
	41	WSIX	97.90	36.	2	49	86.	49	49	100.000	1804.	8.64	64.66	L
	42	W254	98.70	36.	2	50	86.	49	48	.010	1171.	8.63	64.72	
	43	NEW-	98.70	35.	52	3	86.	24	14	.075	692.	19.37	318.32	
	44	NEW-	98.70	36.	8	27	86.	51	56	.010	1010.	9.71	101.48	A
	45	W254	98.70	36.	9	49	86.	46	45	.010	1066.	6.27	121.76	A
	46	NEW-	98.90	35.	54	44	86.	51	59	.080	696.	15.18	39.09	
	47	WANT	98.90	36.	12	24	86.	16	2	5.000	942.	20.34	253.19	C
	48	W255	98.90	36.	17	8	87.	4	58	.080	663.	22.67	117.93	A
	49	W257	99.30	36.	10	28	86.	40	9	.003	804.	3.95	180.00	L
	50	WVLE	99.30	36.	44	25	86.	10	31	3.000	1037.	44.78	212.18	
	51	WVLE	99.30	36.	44	25	86.	10	31	6.000	1037.	44.78	212.18	
	52	WWTN	99.70	35.	49	3	86.	31	24	100.000	1982.	18.85	337.93	C
	53	WRLT	100.10	36.	9	49	86.	46	45	.600	909.	6.27	121.76	
	54	WRLT	100.10	36.	2	6	86.	50	54	.200	1946.	9.75	63.06	A
	55	WRLT	100.10	35.	55	20	86.	42	46	5.400	1450.	11.38	10.72	
	56	W263	100.50	35.	50	26	86.	23	27	.027	843.	21.01	319.96	
	57	WJCE	101.10	36.	31	36	86.	41	14	47.000	2011.	25.10	178.01	L
	58	W270	101.90	36.	13	57	86.	16	0	.010	653.	20.86	249.13	C
	59	W270	101.90	35.	50	26	86.	23	27	.055	755.	21.01	319.96	
	60	W271	102.10	36.	7	29	86.	50	49	.100	607.	8.67	96.40	L
	61	W271	102.10	36.	8	27	86.	51	56	.030	1010.	9.71	101.48	A
	62	WLCT	102.10	36.	32	6	86.	0	27	2.500	1152.	40.96	231.35	C
	63	WQZQ	102.50	36.	17	36	87.	18	21	100.000	1467.	32.76	109.78	
	64	WZPC	102.90	35.	48	1	86.	37	17	100.000	1598.	18.65	352.85	C
	65	WZPC	102.90	35.	48	1	86.	37	17	100.000	1588.	18.65	352.85	L
	66	WKDF	103.30	36.	2	8	86.	50	56	100.000	2005.	9.76	63.30	L
	67	WUCZ	104.10	36.	18	43	85.	57	8	4.900	1115.	36.79	250.63	L
	68	WGFX	104.50	36.	16	5	86.	47	16	49.000	1929.	11.16	149.02	L
	69	WBOZ	104.90	35.	49	33	86.	9	28	3.000	1155.	30.08	304.34	C
	70	WBOZ	104.90	35.	49	33	86.	9	28	6.000	1155.	30.08	304.34	
	71	WLAC	105.90	36.	2	8	86.	50	56	100.000	2005.	9.76	63.30	L
*	72	WNPL	106.70	36.	10	30	86.	40	8	6.000	833.	3.98	180.19	A
	73	WBLG	107.10	36.	50	35	86.	15	30	50.000	1109.	48.32	204.22	
	74	WRVW	107.50	36.	15	50	86.	47	38	58.000	1837.	11.10	147.04	L

The following stations use a directional antenna:

ID	Call	Rotation	File	Description
68	WGFX	.0	FMHOR01.PAT	WGFX

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Interference thresholds are computed using the following:

Type of navaid antenna: 8 Element LPD 17 dB Gain
Type of service volume: U. S. Standard

Listing of A2/B2 Evaluations

Freq (MHz)	ID	Call	Offset (MHz)	#Pts

No A2/B2 points found.

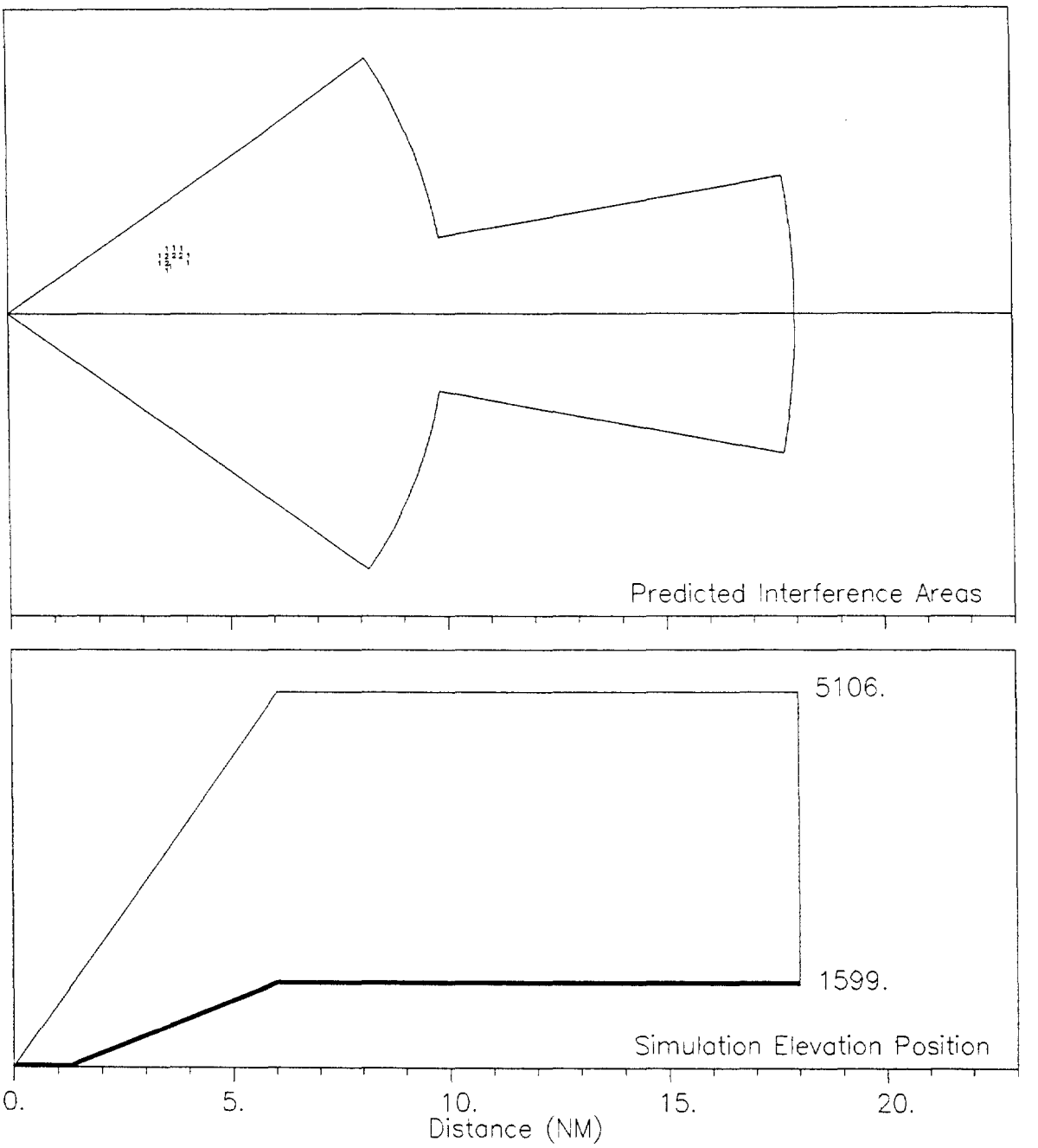
Listing of 2-signal intermodulation (B1) combinations

Freq 1 (MHz)	ID	Call	Freq 2 (MHz)	ID	Call	IMod (MHz)	Offset (KHz)	#Pts
106.70	(72)	WNPL	104.10	(67)	WUCZ	109.30	50	13

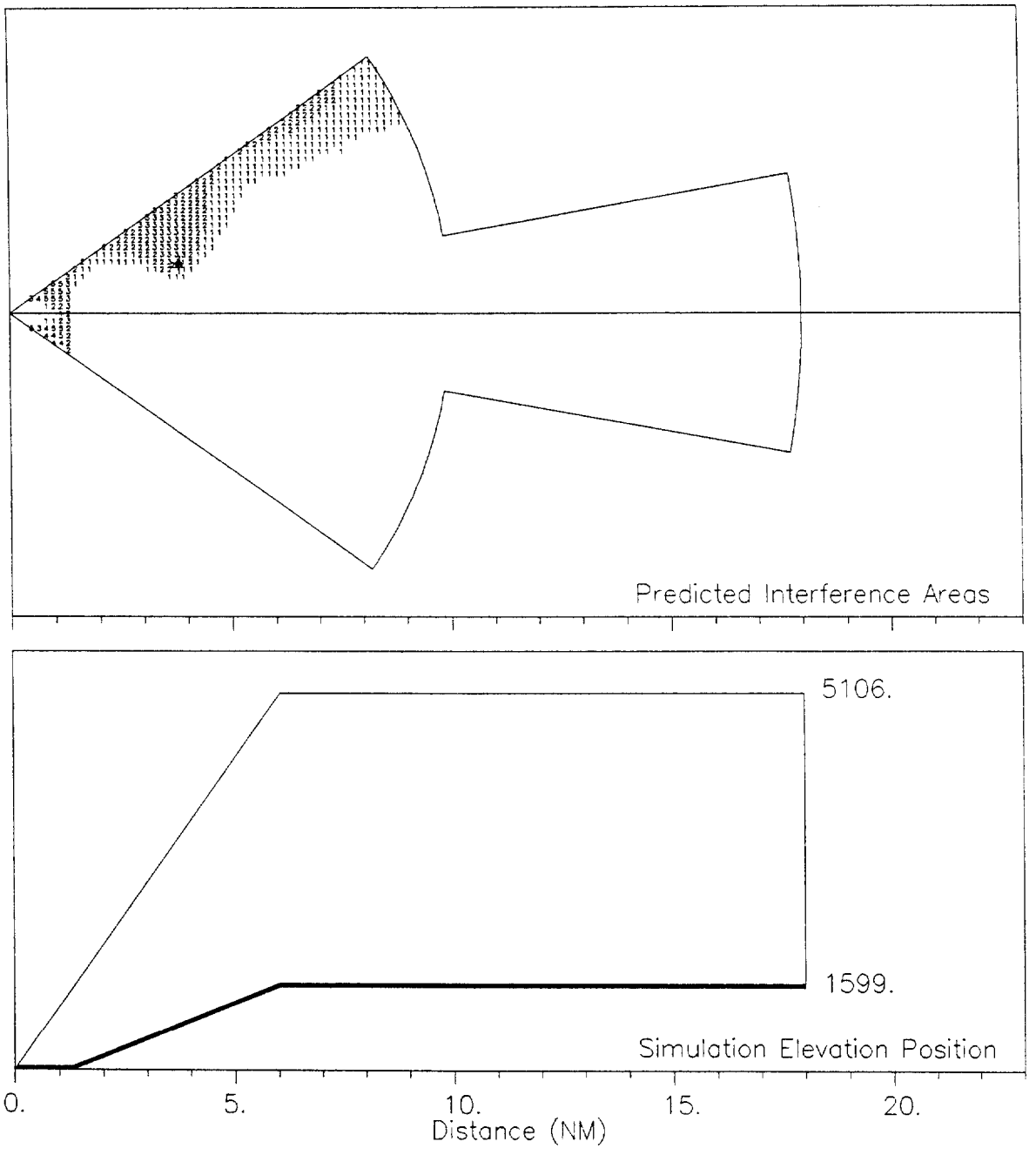
Listing of 3-signal intermodulation (B1) combinations

Freq 1 (MHz)	ID	Call	Freq 2 (MHz)	ID	Call	Freq 3 (MHz)	ID	Call	IMod (MHz)	Offset (KHz)	#Pts
107.50	(74)	WRVW	106.70	(72)	WNPL	104.90	(70)	WBOZ	109.30	50	94
107.50	(74)	WRVW	106.70	(72)	WNPL	104.90	(69)	WBOZ	109.30	50	11
107.10	(73)	WBLG	106.70	(72)	WNPL	104.50	(68)	WGFX	109.30	50	350
106.70	(72)	WNPL	105.90	(71)	WLAC	103.30	(66)	WKDF	109.30	50	398

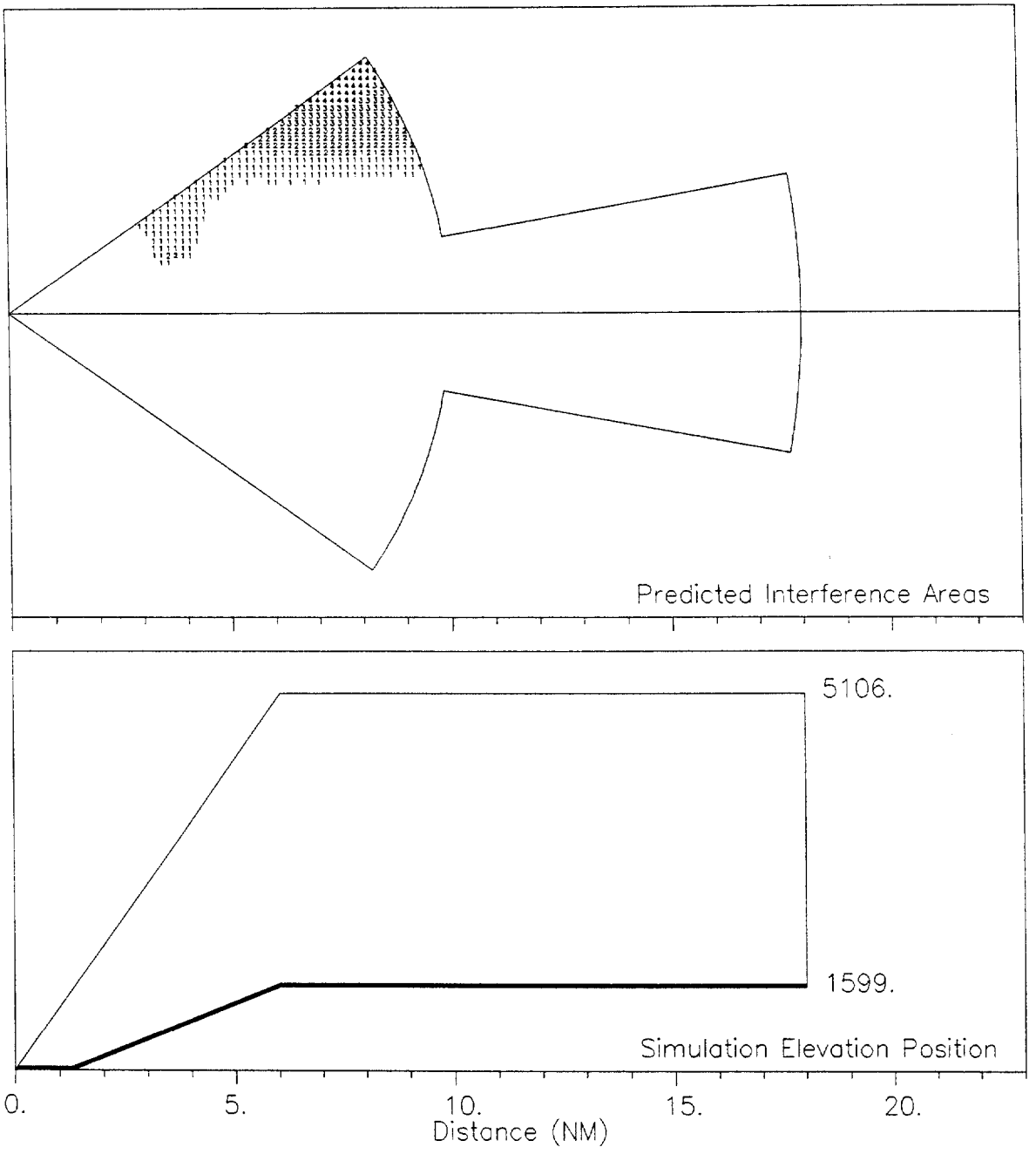
Note: Some 3-signal B1 points masked by A2/B2 interference.



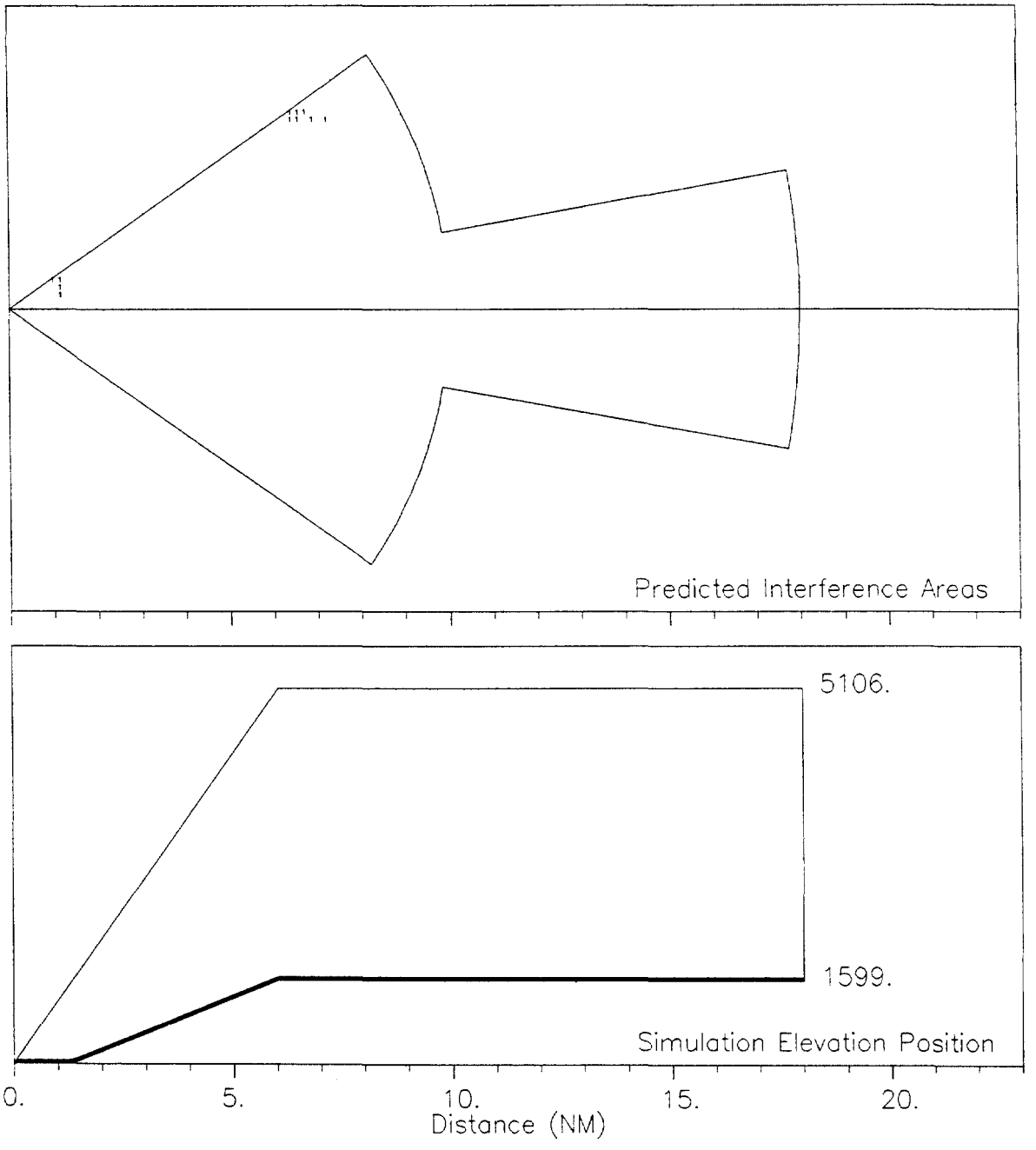
Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 20_1V___.plt
Intermodulation (B1) plot: WNPL (72) & WUCZ (67)
Frequencies: WNPL = 106.70 MHz WUCZ = 104.10 MHz
Navaid: SSX Frequency: 109.35 MHz Elevation (ft MSL): 599.
Runway heading: 196.0
Grid orientation: Bottom of service volume



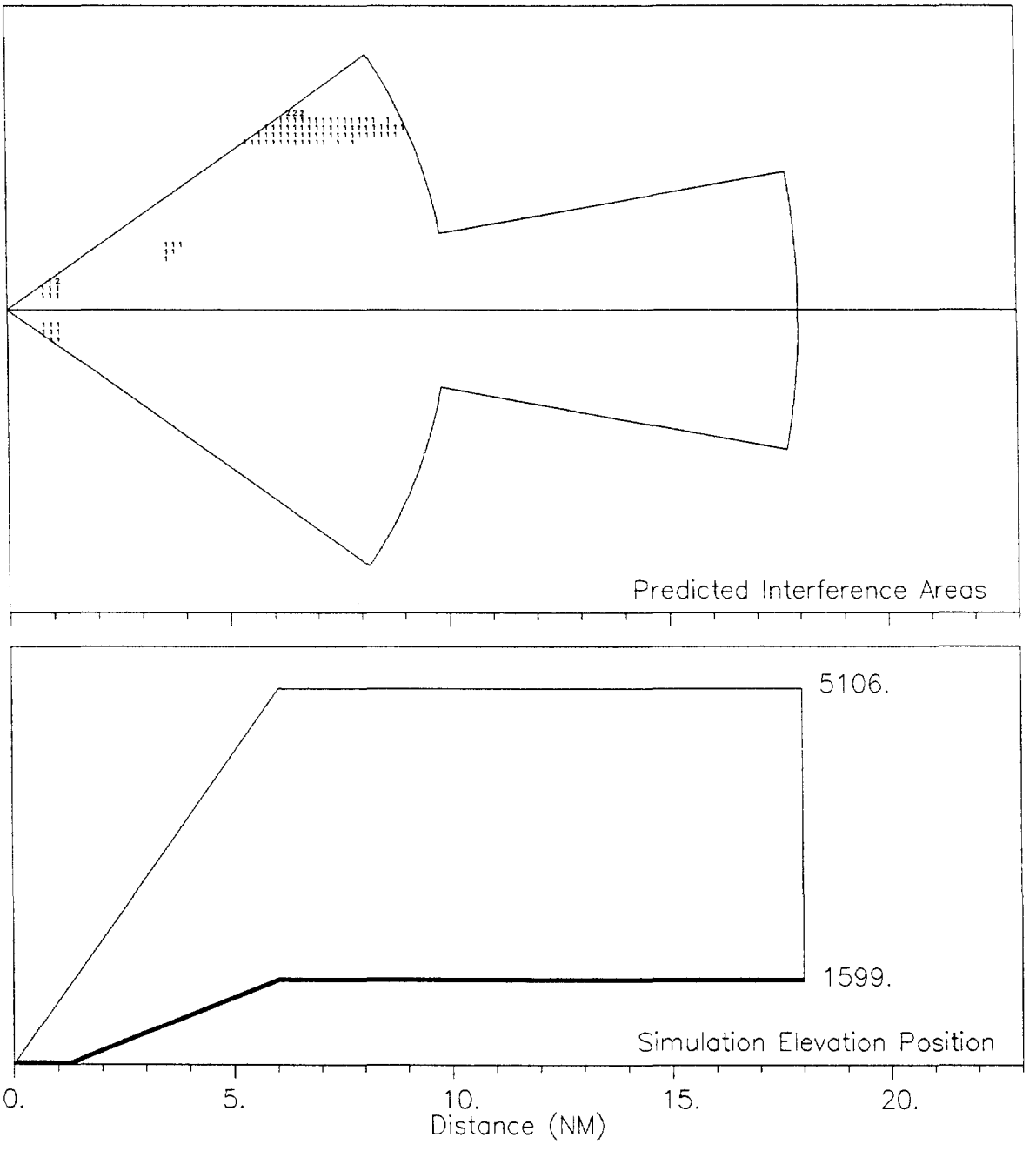
Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 20_1Z_1U.plt
Intermod (B1) plot: WNPL (72), WLAC (71), & WKDF (66)
Frequencies: WNPL = 106.70 MHz WLAC = 105.90 MHz WKDF = 103.30 MHz
Navaid: SSX Frequency: 109.35 MHz Elevation (ft MSL): 599.
Runway heading: 196.0
Grid orientation: Bottom of service volume



Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 21_20_1W.plt
Intermod (B1) plot: WBLG (73), WNPL (72), & WGFX (68)
Frequencies: WBLG = 107.10 MHz WNPL = 106.70 MHz WGFX = 104.50 MHz
Navaid: SSX Frequency: 109.35 MHz Elevation (ft MSL): 599.
Runway heading: 196.0
Grid orientation: Bottom of service volume



Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 22_20_1X.plt
Intermod (B1) plot: WRVW (74), WNPL (72), & WBOZ (69)
Frequencies: WRVW = 107.50 MHz WNPL = 106.70 MHz WBOZ = 104.90 MHz
Navaid: SSX Frequency: 109.35 MHz Elevation (ft MSL): 599.
Runway heading: 196.0
Grid orientation: Bottom of service volume



Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 22_20_1Y.plt
Intermod (B1) plot: WRVW (74), WNPL (72), & WBOZ (70)
Frequencies: WRVW = 107.50 MHz WNPL = 106.70 MHz WBOZ = 104.90 MHz
Navaid: SSX Frequency: 109.35 MHz Elevation (ft MSL): 599.
Runway heading: 196.0
Grid orientation: Bottom of service volume

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Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97
Navaid Identifier: PNO
Navaid Frequency (MHz): 109.70

Navaid Latitude: 36. 8 22
Navaid Longitude: 86. 41 35

Runway Heading (True): 313.0
Runway Elevation (Ft. MSL): 541.
Runway Length (Ft): 8500.

Prop ID Stat	Call	Freq (MHz)	Latitude	Longitude	ERP (Kw)	Height (MSL)	Range (NM)	Radial (True)	Lic Stat
1	WFSK	88.10	36. 10 0	86. 48 17	.700	551.	5.65	106.80	L
2	NEWx	88.30	35. 28 54	86. 27 28	.250	866.	41.09	343.82	
3	WMTS	88.30	35. 50 56	86. 21 11	.200	768.	24.01	316.57	A
4	WVCP	88.50	36. 28 2	86. 28 35	1.000	1096.	22.28	208.04	L
5	WAYM	88.70	35. 49 27	86. 49 28	3.700	1309.	19.96	18.64	L
6	WAYM	88.70	35. 49 27	86. 49 28	16.500	1309.	19.96	18.64	A
7	WNAZ	89.10	36. 8 33	86. 45 10	1.400	666.	2.90	93.63	L
8	WNAZ	89.10	36. 8 28	86. 45 23	1.400	738.	3.07	91.86	
9	WMOT	89.50	35. 51 0	86. 21 0	50.000	846.	24.06	316.20	L
10	WMOT	89.50	36. 5 7	86. 26 22	100.000	1260.	12.72	284.81	C
11	WPLN	90.30	36. 2 8	86. 50 56	80.000	1903.	9.80	50.48	L
12	WRVU	91.10	36. 8 27	86. 51 56	14.500	1037.	8.36	90.57	L
13	W217	91.30	35. 28 54	86. 27 28	.080	876.	41.09	343.82	
14	WFMQ	91.50	36. 12 13	86. 18 1	.500	656.	19.41	258.56	L
15	WFCM	91.70	35. 43 52	86. 41 25	1.000	1677.	24.50	359.68	A
16	NEW-	91.90	35. 50 56	86. 21 11	.080	722.	24.01	316.57	
17	WQQK	92.10	36. 17 50	86. 45 11	3.000	1053.	9.90	162.94	L
18	WJXA	92.90	36. 7 14	86. 58 7	100.000	1663.	13.40	85.15	L
19	WYYB	93.70	36. 4 32	87. 15 44	18.000	1037.	27.86	82.09	
20	WYYB	93.70	36. 4 32	87. 15 44	6.000	1037.	27.86	82.09	L
21	W230	93.90	36. 28 2	86. 28 30	.100	1076.	22.31	208.20	C
22	WRLG	94.10	35. 59 43	86. 33 29	3.900	823.	10.85	322.88	C
23	NEW-	94.10	36. 9 46	86. 46 34	.250	551.	4.26	109.18	A
24	WDBL	94.30	36. 29 42	86. 54 22	3.000	988.	23.69	154.23	L
25	W233	94.50	36. 17 47	86. 35 3	.027	732.	10.79	209.24	A
26	NEW-	94.50	36. 5 22	86. 42 13	.250	689.	3.04	9.68	
27	W234	94.70	36. 7 29	86. 50 49	.100	607.	7.51	83.24	L
28	W234	94.70	36. 8 27	86. 51 56	.200	1010.	8.36	90.57	A
29	WSMx	95.50	36. 8 27	86. 51 56	100.000	1864.	8.36	90.57	L
30	WRMX	96.30	36. 5 7	86. 26 22	100.000	1407.	12.72	284.81	L
31	WRMX	96.30	36. 15 50	86. 47 38	52.000	1886.	8.92	146.82	C
32	NEWx	97.10	36. 16 5	86. 47 16	9.700	1719.	8.98	149.28	A
33	NEWx	97.10	36. 16 31	86. 53 7	50.000	1093.	12.37	131.21	A
34	NEWx	97.10	36. 16 57	86. 48 6	50.000	1099.	10.07	148.51	A
35	NEWx	97.10	36. 17 22	86. 33 1	50.000	1014.	11.35	217.52	A

	36	NEWx	97.10	36.	18	18	86.	46	14	24.500	1299.	10.62	159.31	A
	37	NEWx	97.10	36.	18	18	86.	46	42	24.500	1299.	10.76	157.43	A
	38	NEWx	97.10	36.	20	45	86.	31	54	50.000	1043.	14.64	212.24	A
	39	NEWx	97.10	36.	12	58	86.	33	32	50.000	1004.	7.96	234.70	A
	40	NEWx	97.10	36.	14	4	86.	31	31	50.000	1017.	9.92	234.95	A
	41	WSIX	97.90	36.	2	49	86.	49	49	100.000	1804.	8.66	50.16	L
	42	W254	98.70	36.	2	50	86.	49	48	.010	1171.	8.64	50.19	
	43	NEW-	98.70	35.	52	3	86.	24	14	.075	692.	21.52	319.30	
	44	NEW-	98.70	36.	8	27	86.	51	56	.010	1010.	8.36	90.57	A
	45	W254	98.70	36.	9	49	86.	46	45	.010	1066.	4.42	109.16	A
	46	NEW-	98.90	35.	54	44	86.	51	59	.080	696.	16.02	31.67	
	47	WANT	98.90	36.	12	24	86.	16	2	5.000	942.	21.02	258.94	C
	48	W255	98.90	36.	17	8	87.	4	58	.080	663.	20.80	114.92	A
	49	W257	99.30	36.	10	28	86.	40	9	.003	804.	2.40	208.86	L
	50	WWTN	99.70	35.	49	3	86.	31	24	100.000	1982.	21.00	336.90	C
	51	WRLT	100.10	36.	9	49	86.	46	45	.600	909.	4.42	109.16	
	52	WRLT	100.10	36.	2	6	86.	50	54	.200	1946.	9.80	50.23	A
	53	WRLT	100.10	35.	55	20	86.	42	46	5.400	1450.	13.07	4.20	
	54	W263	100.50	35.	50	26	86.	23	27	.027	843.	23.17	320.71	
	55	W264	100.70	35.	37	5	87.	2	40	.027	935.	35.64	28.64	
	56	WJCE	101.10	36.	31	36	86.	41	14	47.000	2011.	23.24	180.69	L
	57	WJLE	101.70	35.	55	31	85.	49	14	3.000	1145.	44.24	286.89	L
	58	WKOM	101.70	35.	37	4	87.	2	34	3.000	997.	35.62	28.51	
	59	WKOM	101.70	35.	37	5	87.	2	33	4.100	1089.	35.60	28.50	
	60	W270	101.90	36.	13	57	86.	16	0	.010	653.	21.39	254.87	C
	61	W270	101.90	35.	50	26	86.	23	27	.055	755.	23.17	320.71	
	62	W271	102.10	36.	8	27	86.	51	56	.030	1010.	8.36	90.57	A
	63	W271	102.10	36.	7	29	86.	50	49	.100	607.	7.51	83.24	L
	64	WZPC	102.90	35.	48	1	86.	37	17	100.000	1598.	20.65	350.30	C
	65	WZPC	102.90	35.	48	1	86.	37	17	100.000	1588.	20.65	350.30	L
	66	WKDF	103.30	36.	2	8	86.	50	56	100.000	2005.	9.80	50.48	L
	67	WUCZ	104.10	36.	18	43	85.	57	8	4.900	1115.	37.32	253.90	L
	68	WGFX	104.50	36.	16	5	86.	47	16	49.000	1929.	8.98	149.28	L
	69	WBOZ	104.90	35.	49	33	86.	9	28	3.000	1155.	32.09	305.91	C
	70	WBOZ	104.90	35.	49	33	86.	9	28	6.000	1155.	32.09	305.91	
	71	WLAC	105.90	36.	2	8	86.	50	56	100.000	2005.	9.80	50.48	L
*	72	WNPL	106.70	36.	10	30	86.	40	8	6.000	833.	2.43	208.75	A
	73	WRVW	107.50	36.	15	50	86.	47	38	58.000	1837.	8.92	146.82	L

The following stations use a directional antenna:

ID	Call	Rotation	File	Description
68	WGFX	.0	FMHOR01.PAT	WGFX

Interference thresholds are computed using the following:

PRINT DATE: 05-07-1997 18:41:39 FILE: RFI.PRT AAM Version 4.2, 051094

Type of navaid antenna: 8 Element Traveling Wave 14 dB Gain
Type of service volume: U. S. Standard

Listing of A2/B2 Evaluations

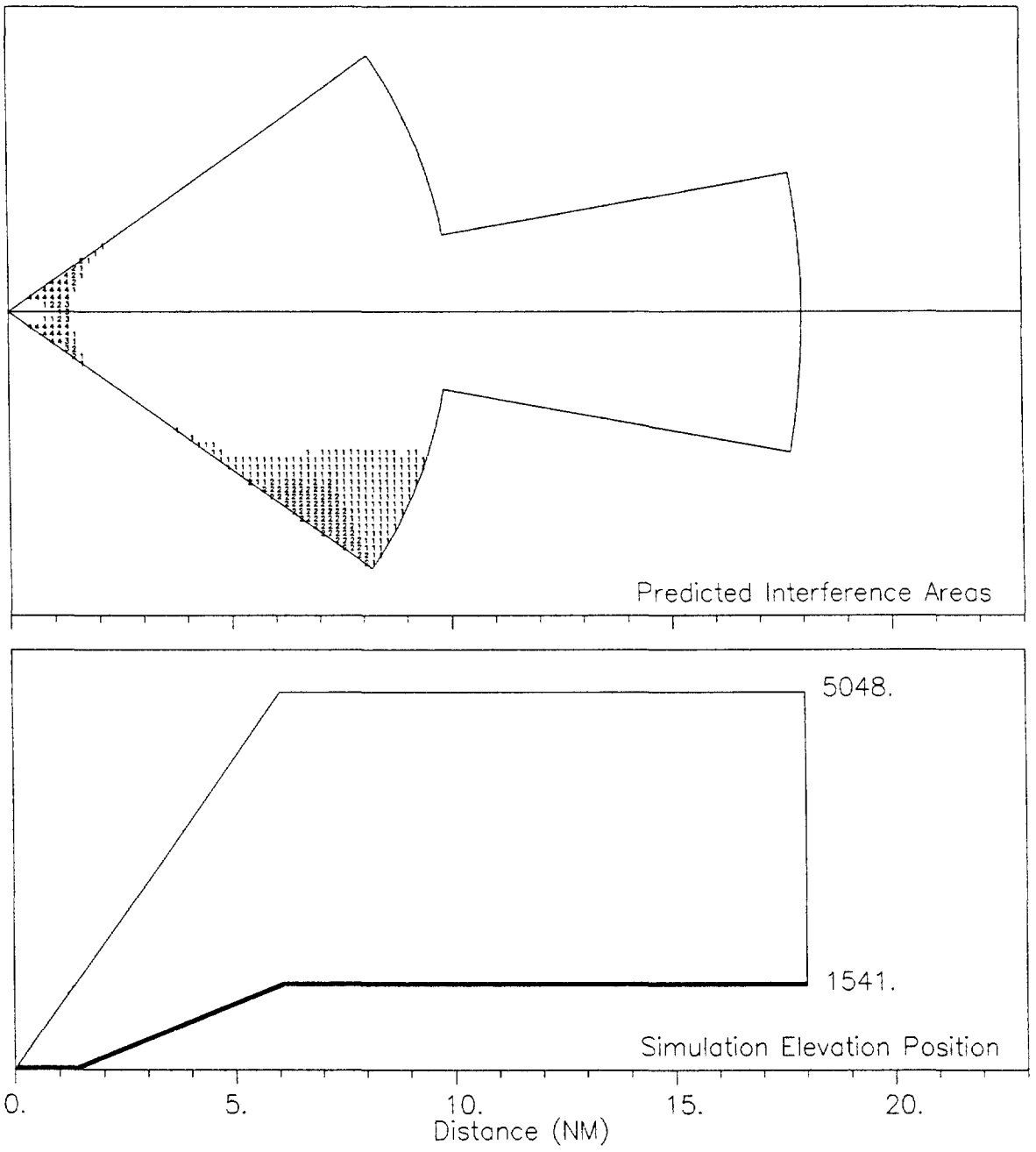
Freq (MHz)	ID	Call	Offset (MHz)	#Pts

No A2/B2 points found.

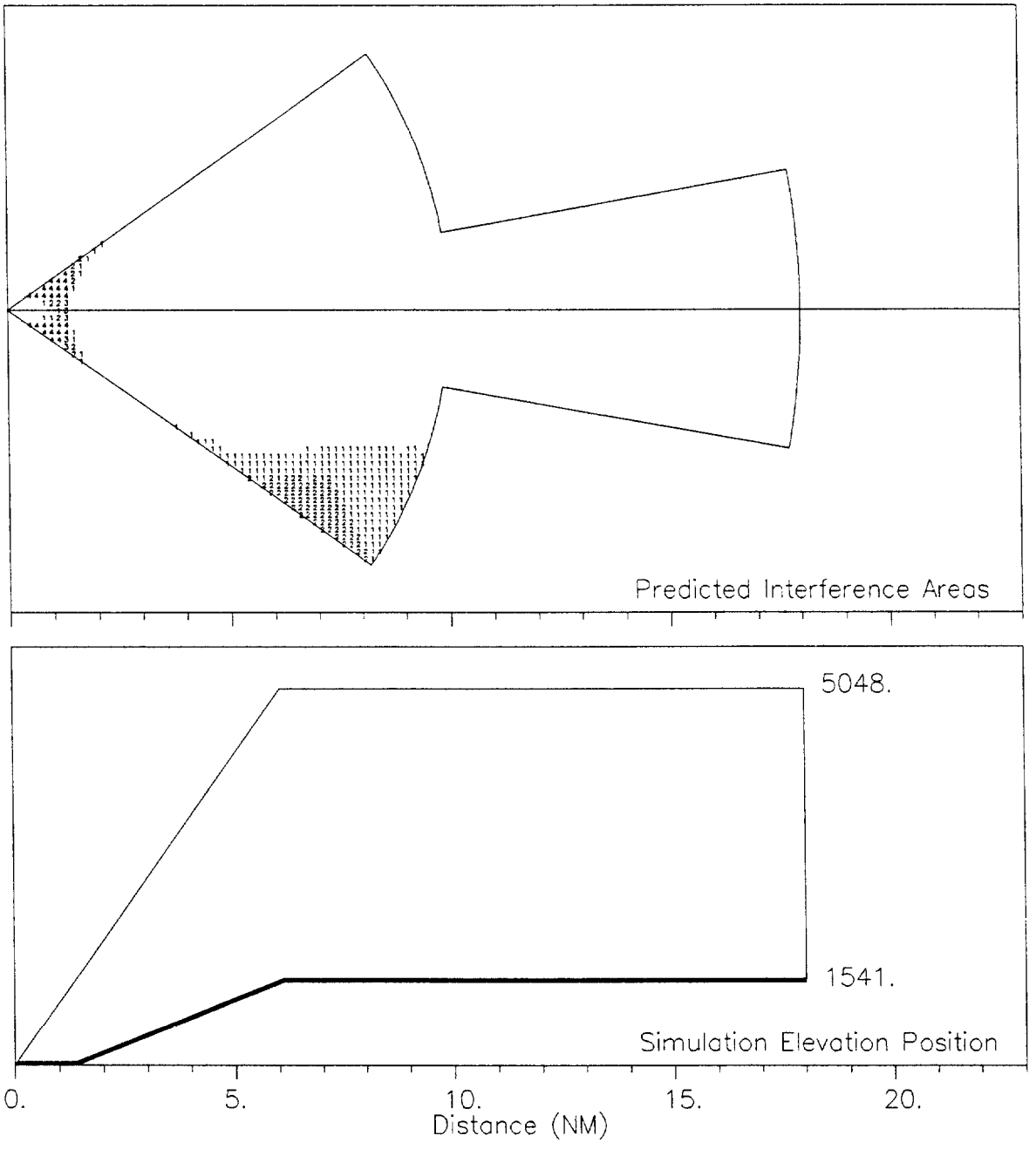
There are no 2-signal intermodulation (B1) combinations for this data file.

Listing of 3-signal intermodulation (B1) combinations

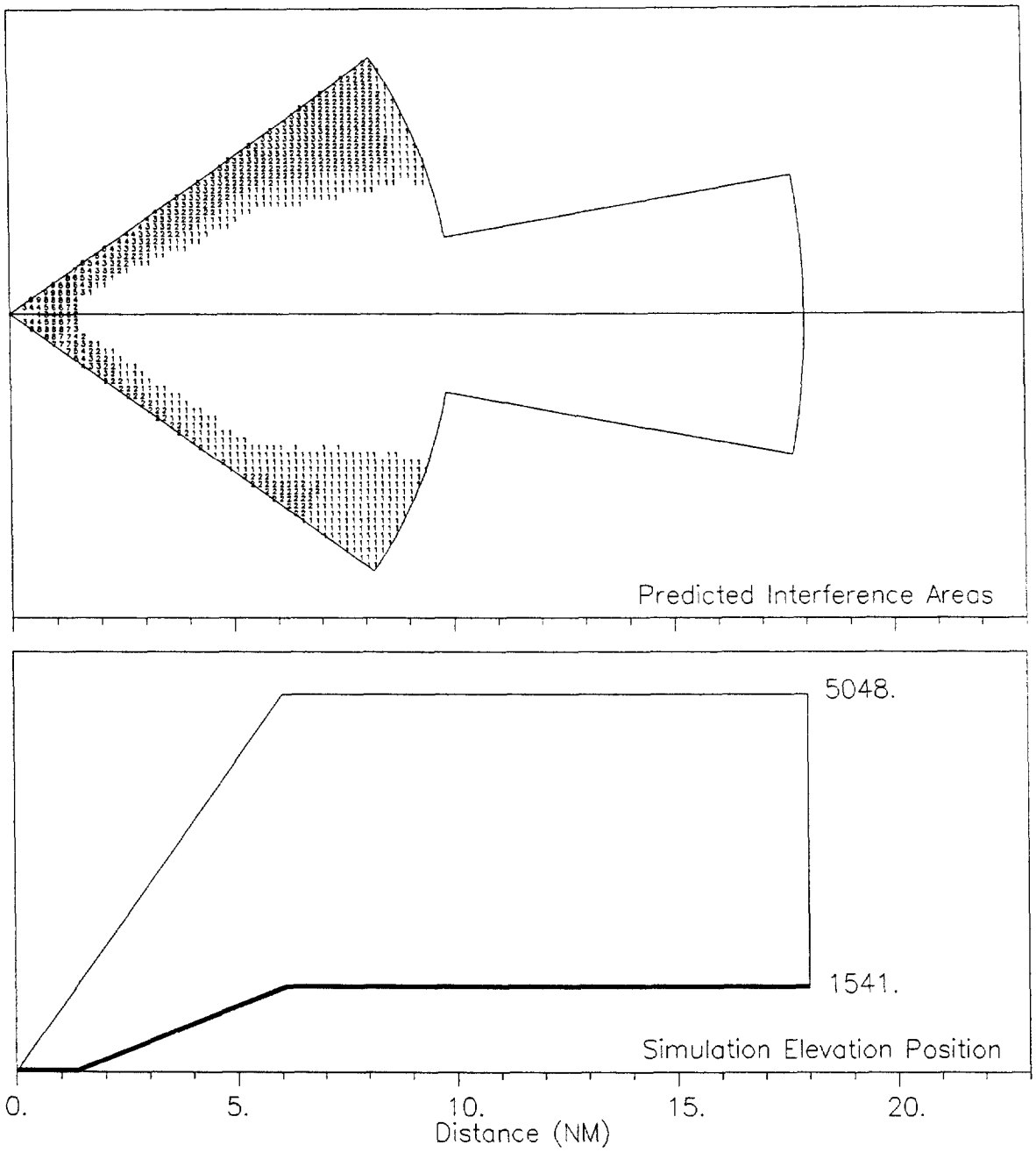
Freq 1 (MHz)	ID	Call	Freq 2 (MHz)	ID	Call	Freq 3 (MHz)	ID	Call	IMod (MHz)	Offset (KHz)	#Pts
107.50	(73)	WRVW	106.70	(72)	WNPL	104.50	(68)	WGFX	109.70	0	911
106.70	(72)	WNPL	105.90	(71)	WLAC	102.90	(65)	WZPC	109.70	0	311
106.70	(72)	WNPL	105.90	(71)	WLAC	102.90	(64)	WZPC	109.70	0	311



Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 20_1Z_1S.plt
Intermod (B1) plot: WNPL (72), WLAC (71), & WZPC (64)
Frequencies: WNPL = 106.70 MHz WLAC = 105.90 MHz WZPC = 102.90 MHz
Navaid: PNO Frequency: 109.70 MHz Elevation (ft MSL): 541.
Runway heading: 313.0
Grid orientation: Bottom of service volume



Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 20_1Z_1T.plt
Intermod (B1) plot: WNPL (72), WLAC (71), & WZPC (65)
Frequencies: WNPL = 106.70 MHz WLAC = 105.90 MHz WZPC = 102.90 MHz
Navaid: PNO Frequency: 109.70 MHz Elevation (ft MSL): 541.
Runway heading: 313.0
Grid orientation: Bottom of service volume



Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 21_20_1W.plt
Intermod (B1) plot: WRVW (73), WNPL (72), & WGFX (68)
Frequencies: WRVW = 107.50 MHz WNPL = 106.70 MHz WGFX = 104.50 MHz
Navaid: PNO Frequency: 109.70 MHz Elevation (ft MSL): 541.
Runway heading: 313.0
Grid orientation: Bottom of service volume

PRINT DATE: 05-07-1997 18:48:01 FILE: RFI.PRT AAM Version 4.2, 051094

Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97
Navaid Identifier: VIY
Navaid Frequency (MHz): 111.30

Navaid Latitude: 36. 6 50
Navaid Longitude: 86. 41 17

Runway Heading (True): 198.0
Runway Elevation (Ft. MSL): 587.
Runway Length (Ft): 7702.

Prop ID Stat	Call	Freq (MHz)	Latitude	Longitude	ERP (Kw)	Height (MSL)	Range (NM)	Radial (True)	Lic Stat
1	WFSK	88.10	36. 10 0	86. 48 17	.700	551.	6.48	119.26	L
2	W203	88.10	36. 6 53	87. 21 5	.038	896.	32.15	90.09	
3	NEWx	88.30	36. 27 27	87. 14 5	6.000	751.	33.53	127.95	
4	WMTS	88.30	35. 50 56	86. 21 11	.200	768.	22.75	314.35	A
5	NEWx	88.30	36. 17 36	87. 18 16	9.000	1102.	31.73	109.84	
6	WVCP	88.50	36. 28 2	86. 28 35	1.000	1096.	23.54	205.77	L
7	W203	88.50	36. 6 53	87. 21 5	.038	896.	32.15	90.09	
8	WAYM	88.70	35. 49 27	86. 49 28	3.700	1309.	18.60	20.86	L
9	WAYM	88.70	35. 49 27	86. 49 28	16.500	1309.	18.60	20.86	A
10	WNAZ	89.10	36. 8 33	86. 45 10	1.400	666.	3.58	118.70	L
11	WNAZ	89.10	36. 8 28	86. 45 23	1.400	738.	3.69	116.25	
12	WMOT	89.50	35. 51 0	86. 21 0	50.000	846.	22.81	313.97	L
13	WMOT	89.50	36. 5 7	86. 26 22	100.000	1260.	12.17	278.11	C
14	WPLN	90.30	36. 2 8	86. 50 56	80.000	1903.	9.11	58.93	L
15	WRVU	91.10	36. 8 27	86. 51 56	14.500	1037.	8.75	100.65	L
16	WFMQ	91.50	36. 12 13	86. 18 1	.500	656.	19.54	254.01	L
17	WFCM	91.70	35. 43 52	86. 41 25	1.000	1677.	22.97	.27	A
18	NEW-	91.90	35. 50 56	86. 21 11	.080	722.	22.75	314.35	
19	WQQK	92.10	36. 17 50	86. 45 11	3.000	1053.	11.44	164.04	L
20	WJXA	92.90	36. 7 14	86. 58 7	100.000	1663.	13.60	91.69	L
21	WYYB	93.70	36. 4 32	87. 15 44	18.000	1037.	27.93	85.28	
22	WYYB	93.70	36. 4 32	87. 15 44	6.000	1037.	27.93	85.28	L
23	W230	93.90	36. 28 2	86. 28 30	.100	1076.	23.57	205.92	C
24	WRLG	94.10	35. 59 43	86. 33 29	3.900	823.	9.51	318.46	C
25	NEW-	94.10	36. 9 46	86. 46 34	.250	551.	5.18	124.51	A
26	WDBL	94.30	36. 29 42	86. 54 22	3.000	988.	25.18	155.25	L
27	W233	94.50	36. 17 47	86. 35 3	.027	732.	12.05	204.67	A
28	NEW-	94.50	36. 5 22	86. 42 13	.250	689.	1.65	27.21	
29	W234	94.70	36. 7 29	86. 50 49	.100	607.	7.73	94.82	L
30	W234	94.70	36. 8 27	86. 51 56	.200	1010.	8.75	100.65	A
31	WSMx	95.50	36. 8 27	86. 51 56	100.000	1864.	8.75	100.65	L
32	WRMX	96.30	36. 5 7	86. 26 22	100.000	1407.	12.17	278.11	L
33	WRMX	96.30	36. 15 50	86. 47 38	52.000	1886.	10.36	150.34	C
34	NEWx	97.10	36. 16 5	86. 47 16	9.700	1719.	10.43	152.43	A
35	NEWx	97.10	36. 16 31	86. 53 7	50.000	1093.	13.60	135.40	A

	36	NEWx	97.10	36.	16	57	86.	48	6	50.000	1099.	11.52	151.47	A
	37	NEWx	97.10	36.	17	22	86.	33	1	50.000	1014.	12.47	212.35	A
	38	NEWx	97.10	36.	18	18	86.	46	14	24.500	1299.	12.14	160.80	A
	39	NEWx	97.10	36.	18	18	86.	46	42	24.500	1299.	12.27	159.14	A
	40	NEWx	97.10	36.	20	45	86.	31	54	50.000	1043.	15.84	208.54	A
	41	NEWx	97.10	36.	12	58	86.	33	32	50.000	1004.	8.76	225.57	A
	42	NEWx	97.10	36.	14	4	86.	31	31	50.000	1017.	10.70	227.46	A
	43	WSIX	97.90	36.	2	49	86.	49	49	100.000	1804.	7.98	59.78	L
	44	W254	98.70	36.	2	50	86.	49	48	.010	1171.	7.96	59.84	
	45	NEW-	98.70	35.	52	3	86.	24	14	.075	692.	20.22	316.98	
	46	NEW-	98.70	36.	8	27	86.	51	56	.010	1010.	8.75	100.65	A
	47	W254	98.70	36.	9	49	86.	46	45	.010	1066.	5.33	124.05	A
	48	NEW-	98.90	35.	54	44	86.	51	59	.080	696.	14.88	35.58	
	49	WANT	98.90	36.	12	24	86.	16	2	5.000	942.	21.13	254.73	C
	50	W255	98.90	36.	17	8	87.	4	58	.080	663.	21.71	118.32	A
	51	W257	99.30	36.	10	28	86.	40	9	.003	804.	3.75	194.14	L
	52	WVLE	99.30	36.	44	25	86.	10	31	3.000	1037.	45.00	213.37	
	53	WVLE	99.30	36.	44	25	86.	10	31	6.000	1037.	45.00	213.37	
	54	WWTN	99.70	35.	49	3	86.	31	24	100.000	1982.	19.50	335.78	C
	55	WRLT	100.10	36.	9	49	86.	46	45	.600	909.	5.33	124.05	
	56	WRLT	100.10	36.	2	6	86.	50	54	.200	1946.	9.10	58.66	A
	57	WRLT	100.10	35.	55	20	86.	42	46	5.400	1450.	11.56	5.96	
	58	W263	100.50	35.	50	26	86.	23	27	.027	843.	21.85	318.65	
	59	WJCE	101.10	36.	31	36	86.	41	14	47.000	2011.	24.77	180.09	L
	60	W270	101.90	36.	13	57	86.	16	0	.010	653.	21.61	250.78	C
	61	W270	101.90	35.	50	26	86.	23	27	.055	755.	21.85	318.65	
	62	W271	102.10	36.	7	29	86.	50	49	.100	607.	7.73	94.82	L
	63	W271	102.10	36.	8	27	86.	51	56	.030	1010.	8.75	100.65	A
	64	WLCT	102.10	36.	32	6	86.	0	27	2.500	1152.	41.48	232.48	C
	65	WQZQ	102.50	36.	17	36	87.	18	21	100.000	1467.	31.79	109.80	
	66	WZPC	102.90	35.	48	1	86.	37	17	100.000	1598.	19.09	350.24	C
	67	WZPC	102.90	35.	48	1	86.	37	17	100.000	1588.	19.09	350.24	L
	68	WKDF	103.30	36.	2	8	86.	50	56	100.000	2005.	9.11	58.93	L
	69	WUCZ	104.10	36.	18	43	85.	57	8	4.900	1115.	37.55	251.55	L
	70	WGFX	104.50	36.	16	5	86.	47	16	49.000	1929.	10.43	152.43	L
	71	WBOZ	104.90	35.	49	33	86.	9	28	3.000	1155.	31.01	303.87	C
	72	WBOZ	104.90	35.	49	33	86.	9	28	6.000	1155.	31.01	303.87	
	73	WLAC	105.90	36.	2	8	86.	50	56	100.000	2005.	9.11	58.93	L
*	74	WNPL	106.70	36.	10	30	86.	40	8	6.000	833.	3.78	194.21	A
	75	WBLG	107.10	36.	50	35	86.	15	30	50.000	1109.	48.41	205.36	
	76	WRVW	107.50	36.	15	50	86.	47	38	58.000	1837.	10.36	150.34	L

The following stations use a directional antenna:

ID	Call	Rotation	File	Description
70	WGFX	.0	FMHOR01.PAT	WGFX

PRINT DATE: 05-07-1997 18:48:01 FILE: RFI.PRT AAM Version 4.2, 051094

Interference thresholds are computed using the following:

Type of navaid antenna: 8 Element LPD 17 dB Gain
Type of service volume: U. S. Standard

Listing of A2/B2 Evaluations

Freq (MHz)	ID	Call	Offset (MHz)	#Pts

No A2/B2 points found.

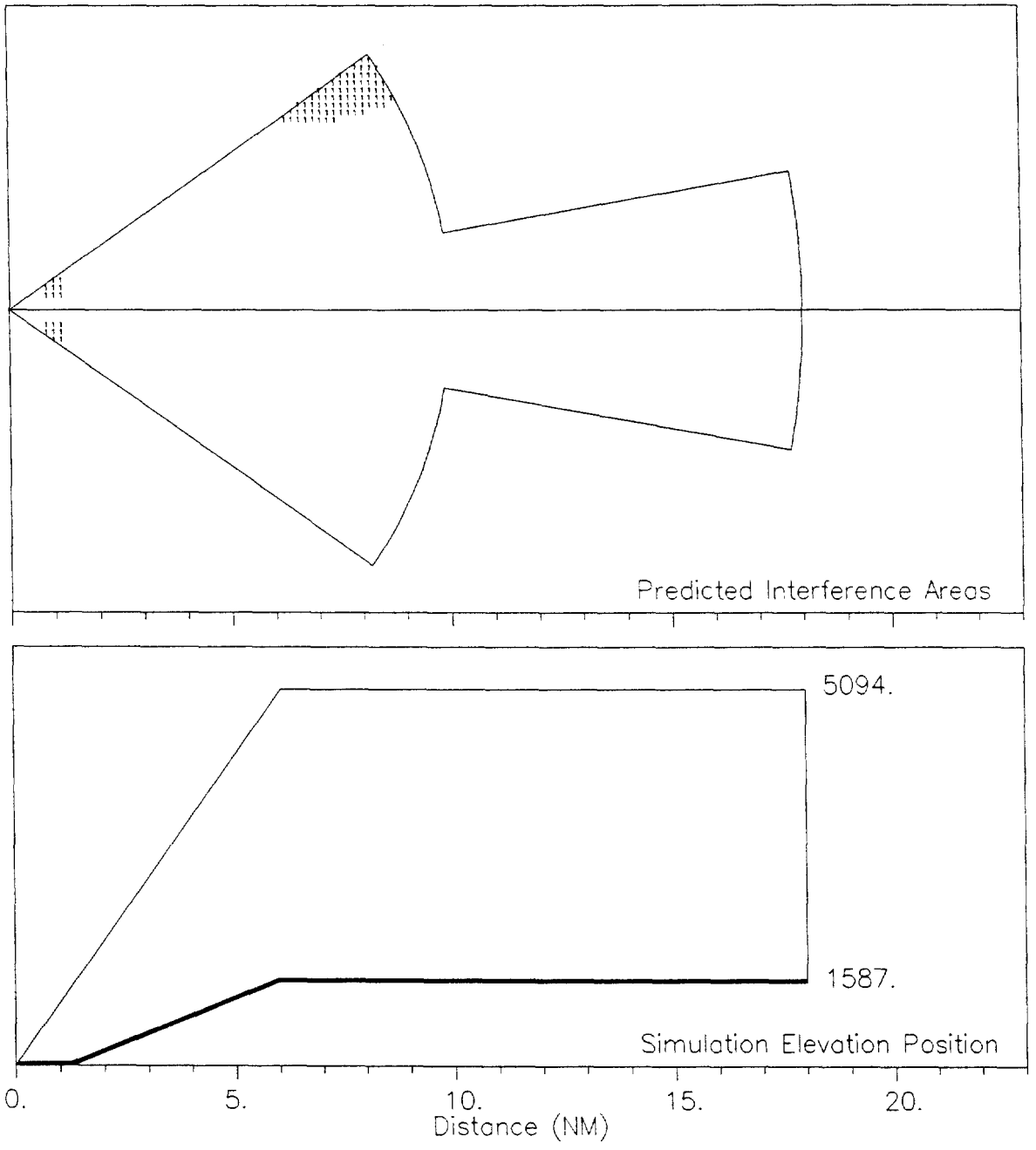
Listing of 2-signal intermodulation (B1) combinations

Freq 1 (MHz)	ID	Call	Freq 2 (MHz)	ID	Call	IMod (MHz)	Offset (KHz)	#Pts

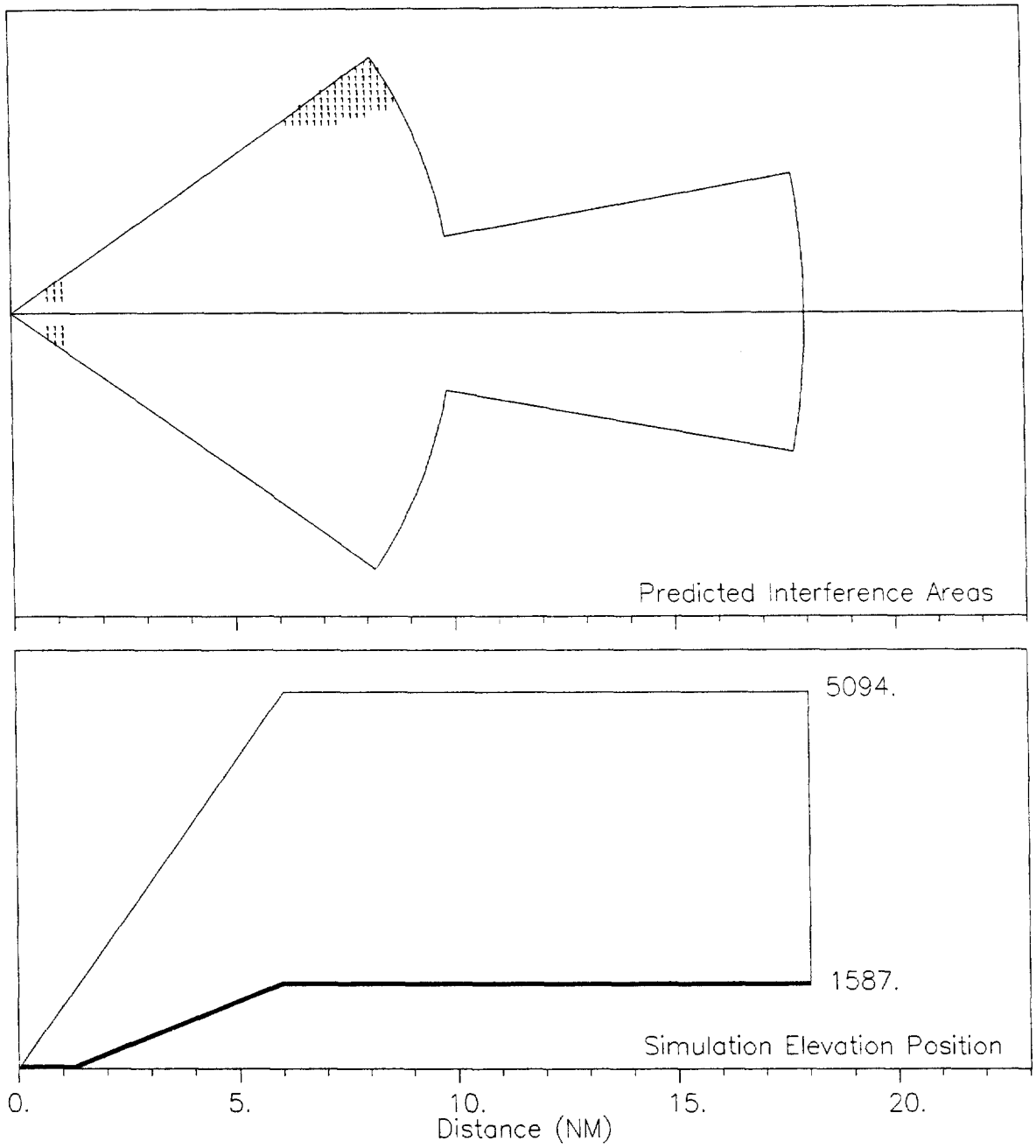
No 2-signal intermodulation interference found.

Listing of 3-signal intermodulation (B1) combinations

Freq 1 (MHz)	ID	Call	Freq 2 (MHz)	ID	Call	Freq 3 (MHz)	ID	Call	IMod (MHz)	Offset (KHz)	#Pts
107.50	(76)	WRVW	106.70	(74)	WNPL	102.90	(67)	WZPC	111.30	0	90
107.50	(76)	WRVW	106.70	(74)	WNPL	102.90	(66)	WZPC	111.30	0	90



Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 24_22_1U.plt
Intermod (B1) plot: WRVW (76), WNPL (74), & WZPC (66)
Frequencies: WRVW = 107.50 MHz WNPL = 106.70 MHz WZPC = 102.90 MHz
Navaid: VIY Frequency: 111.30 MHz Elevation (ft MSL): 587.
Runway heading: 198.0
Grid orientation: Bottom of service volume



Airspace case #: WNPL Site: CONSTRUCTION PERMIT SITE
Date: 5/7/97 Plot filename: 24_22_1V.plt
Intermod (B1) plot: WRVW (76), WNPL (74), & WZPC (67)
Frequencies: WRVW = 107.50 MHz WNPL = 106.70 MHz WZPC = 102.90 MHz
Navaid: VIY Frequency: 111.30 MHz Elevation (ft MSL): 587.
Runway heading: 198.0
Grid orientation: Bottom of service volume

APPENDIX B

EMI CALCULATIONS TO MQY

AND PNO FROM ASSUMED SITE

WITH 2.5 KILOWATTS EFFECTIVE

RADIATED POWER