

Project #56701

APPENDIX 1
FIXED LISTENING TESTS - DATA

June 25, 2010

D.E.M. ALLEN & ASSOCIATES LTD. CONSULTING ENGINEERS

Measurement Point Designator	Date	Time	Location Description	Indoor or Outdoor	Latitude			Longitude			Distance km	Azimuth Deg	CARN - 98.7 MHz								CBLA-FM - 99.1 MHz								CHFI-FM - 98.1 MHz								Band Scan File	
					D	M	S	D	M	S			Car Radio	RCA	Tivoli	Clock	Radio Shack	Car Radio	RCA	Tivoli	Clock	Radio Shack	Car Radio	RCA	Tivoli	Clock	Radio Shack	Car Radio	RCA	Tivoli	Clock	Radio Shack						
																																	Q	I	Q	I		Q
1	5/31/2010	14:35	Subway Lot - Derry Road East between Tomken & Maxwell	Outdoor	43	40	3	79	40	59			5	5	-	-	-	-	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	CARN#1
2	5/31/2010	19:05	Post Office Lot - Caledon Village, Hwy 10 & 24	Outdoor	43	51	37	79	59	42	54.6	295	4	5	2	-	4	5	-	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	-	CARN#2
3	6/2/2010	9:50	Parking Lot South of Carlingview Inn - Outside	Outdoor	43	41	3	79	35	35			5	5	4	3	5	-	3.5	4.5	-	-	-	5	5	5	5	5	5	5	5	5	5	5	2	5	-	CARN#3
4	6/2/2010	10:40	Mulgrove Drive @ Burnhamthorp Road	Outdoor	43	38	39	79	34	7	15	344	4	-	4	5	5	5	1	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-	CARN#4
5	6/2/2010	11:25	Silvercrest West of Sheldon	Outdoor	43	36	39	79	32	49	14	72	5	5	4	5	5	5	1	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-	CARN#5
6	6/2/2010	11:50	Outside Parking Lot - Nature Reserve	Outdoor	43	37	21	79	28	34	8.14	269	5	5	4	5	4	5	2	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-	CARN#6
7	6/2/2010	12:35	Better Living Centre - BMO Field Area	Indoor	43	37	57	79	25	16	3.66	60	5	5	4.5	5	5	5	4	5	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-	CARN#7
8	6/2/2010	13:00	BMO Field South Parking Lot	Outdoor	43	37	55	79	25	5	3.48	57	5	5	5	5	5	5	4	5	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-	CARN#8
9	6/2/2010	13:25	Wellington St. W & Spadina	Outdoor	43	38	39	79	23	32	-	-	5	5	5	5	4	-	4	-	-	-	5	5	4	5	5	5	4	4	-	-	5	5	5	4	-	CARN#9
10	6/2/2010	14:00	Cora's Breakfast Restaurant - Blue Jays Way € between Front & Wellington	Indoor	43	38	38	79	23	33	-	-	-	-	5	5	5	5	3.5	5	-	-	-	-	5	5	5	5	5	5	5	5	5	4	5	-	-	
11	6/2/2010	14:45	Wellington - Earnst & Young Tower - Lobby Security Desk	Indoor	43	38	51.5	79	22	48	-	-	-	-	5	5	5	5	4	5	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	-	-	
12	6/2/2010	15:19	Lobby of Dundee Wealth - Younge & Adelaide	Indoor	43	39	1	79	22	42	-	-	-	-	4	5	5	5	5	5	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	-	-	
13	6/2/2010	15:30	Eaton Centre Level 2, Albert & James exit	Indoor	43	39	12	79	22	50	-	-	-	-	5	5	5	5	4	5	-	-	-	-	5	5	5	5	5	5	5	5	4	5	-	-		
14	6/2/2010	16:15	Park in front of City Hall - South of Fountain, under cover but with clear shot of FCP	Outdoor	43	39	7	79	23	0	-	-	-	-	5	5	4	5	-	-	-	-	-	-	5	5	5	5	5	5	5	5	5	5	-	-		
15	6/2/2010	16:40	Hilton Garden Inn, 10th floor hallway near North facing Windows	Indoor	43	38	50	79	23	36	-	-	-	-	5	5	5	5	5	5	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	-	-	
16	6/2/2010	18:27	Starbucks inside Canadian Tire, Leslie & Lake Shore	Indoor	43	39	31	79	19	43	-	-	-	-	5	5	5	5	4.5	5	-	-	-	-	5	5	5	5	5	5	5	5	5	5	5	-	-	
17	6/2/2010	19:15	Canadian Tire Parking Lot, Leslie & Lake Shore	Outdoor	43	39	28	79	19	49	4.25	257	5	5	5	5	4	5	2	-	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	-	#17	
18	6/2/2010	20:05	Shopping Mall Parking Lot, Victoria Park Ave. & Danforth SW	Outdoor	43	41	25	79	17	22	-	-	5	5	5	5	5	5	4	5	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	-	#18	
19	6/2/2010	20:35	Victoria Square Mall Lot	Outdoor	43	44	32	79	18	46	11.8	208	4	5	4.5	5	4	5	2	5	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	-	#19	
20	6/2/2010	22:06	East York Town Centre Parking Lot	Outdoor	43	42	20	79	20	52	6.84	203	5	5	5	5	4	5	4	5	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	-	#20	
21	6/2/2010	22:33	Lawrence (E) just West of Yonge	Outdoor	43	43	29	79	24	14	8.63	168	5	5	4	5	3	5	2	-	-	-	5	5	5	5	5	5	5	5	5	5	3	5	-	#21		
22	6/2/2010	23:06	St. Claire Ave at Kenwood	Outdoor	43	40	58	79	25	17	4.93	140	5	5	5	5	5	5	5	5	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	-	#22	
23	6/2/2010	23:33	Lawrence Ave W @ Dufflaw Road	Outdoor	43	42	46	79	27	43	9.59	138	5	5	5	5	5	5	4	5	-	-	5	5	5	5	5	5	5	5	5	5	5	5	5	-	#23	
24	6/3/2010	0:00	Scarlett @ Riverlea	Outdoor	43	41	56	79	31	26	12.7	116	5	5	5	5	4	5	4	5	-	-	5	5	5	5	5	5	5	5	5	5	4	5	-	#24		
25	6/3/2010	11:18	Hwy 25 just N of #401 (Milton) beside Holiday Inn	Outdoor	43	31	58	79	54	33	44.4	73	5	5	3	-	4	-	1	-	-	-	5	5	5	5	5	5	4	4	-	-	5	5	5	-	-	
26	6/3/2010	12:00	Acton on Hwy 7, 300 m E of Hwy 25, Church Lot	Outdoor	43	37	57	80	2	17	52.8	88	5	5	3	-	5	5	2.5	4	-	-	5	5	5	5	5	5	5	5	5	5	5	5	-	-		
27	6/3/2010	12:07	Millstone Crossing Pub	Indoor	43	38	1	80	2	16	52.8	88	-	-	2	5	2	5	1	-	-	-	-	-	5	5	5	3	-	-	-	3	5	3	-	-		
28	6/3/2010	12:46	Georgetown Memorial Areen Lobby	Indoor																																		

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APPENDIX 2
BAND SCANS

June 25, 2010

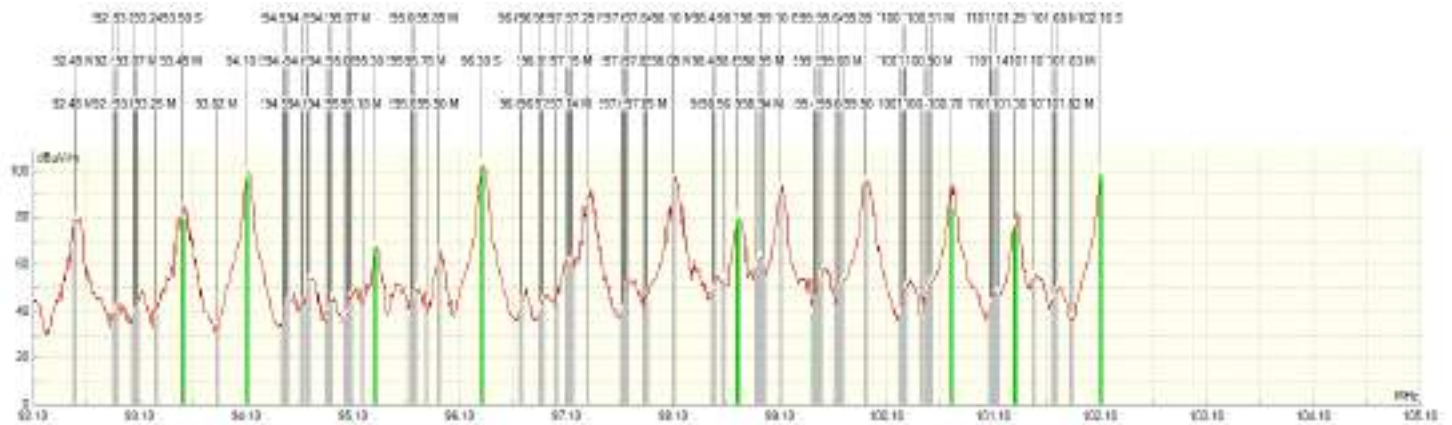
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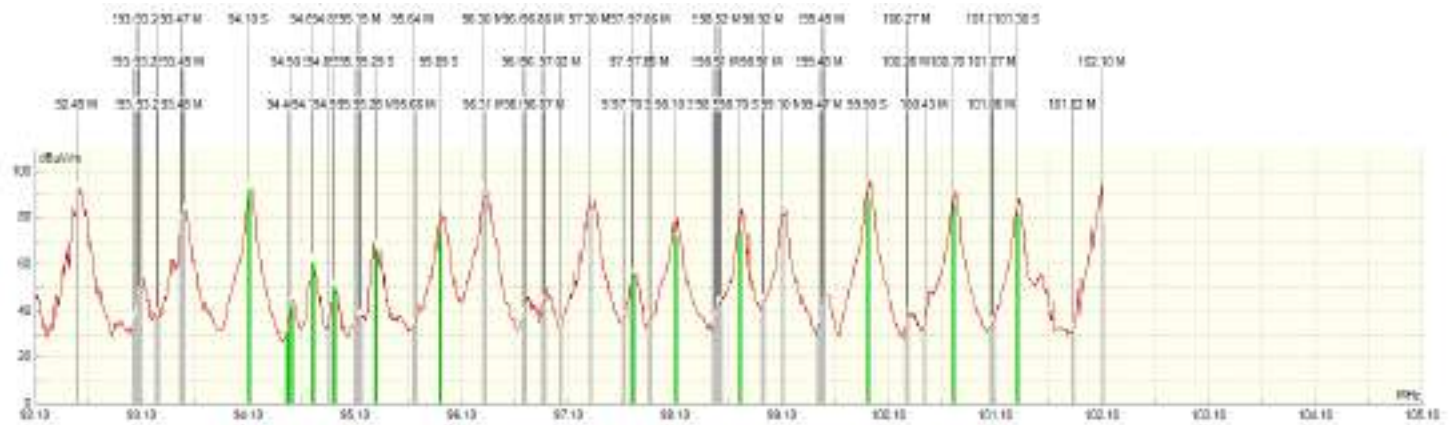
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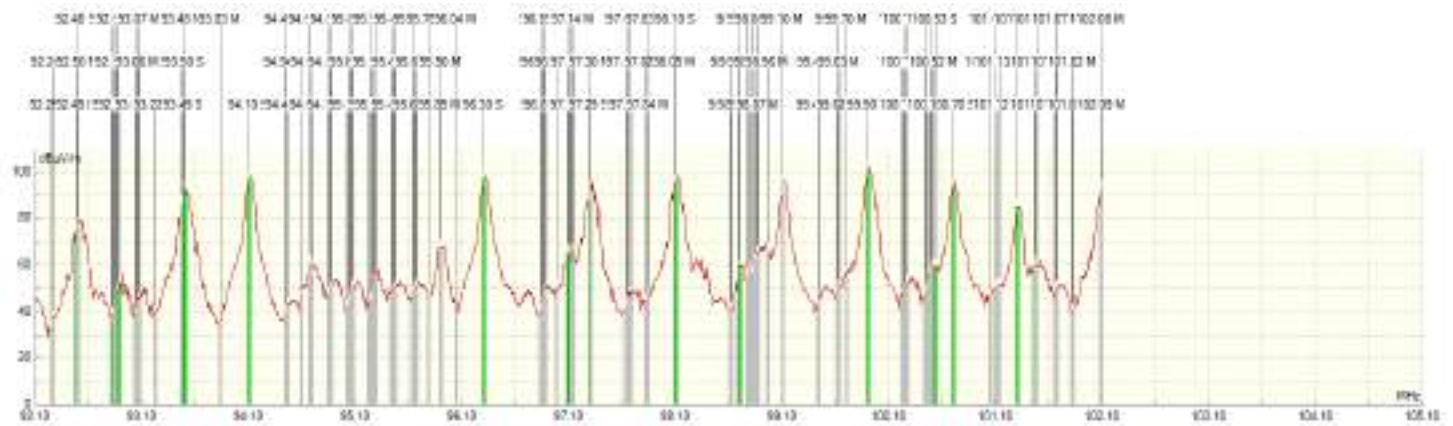
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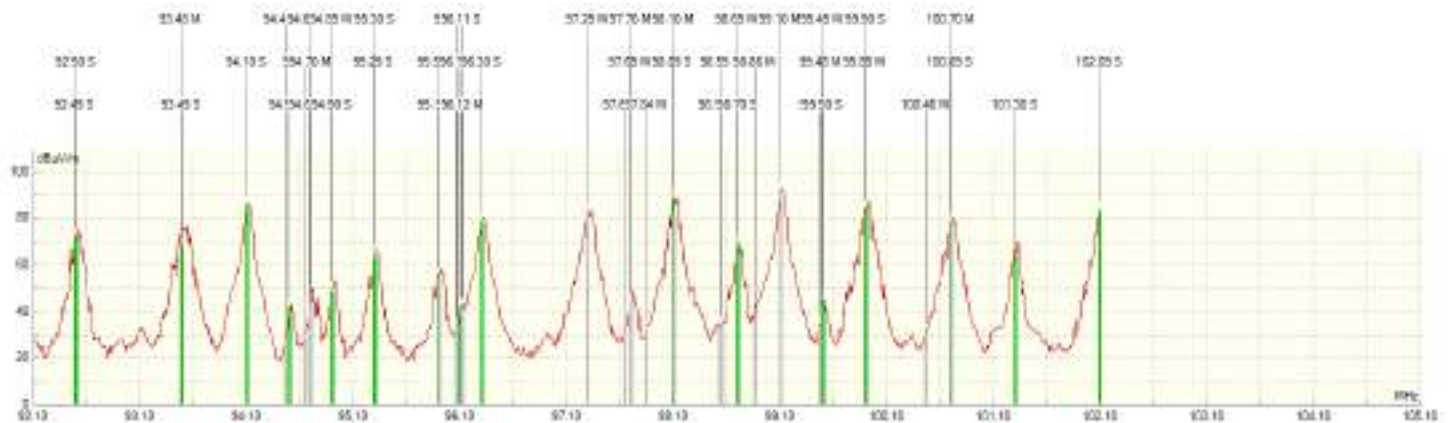
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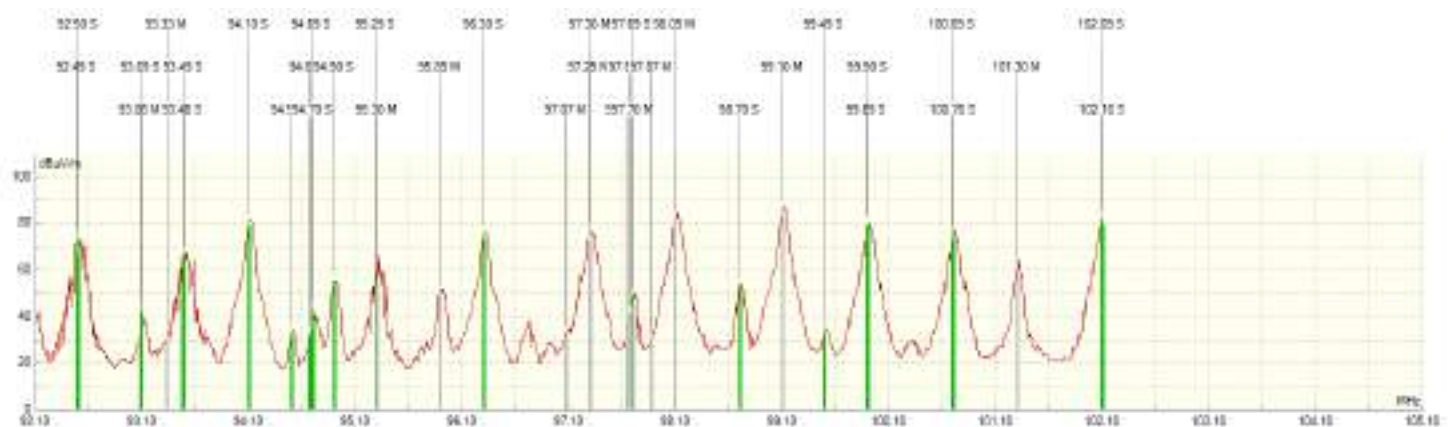
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LOCATION #18



LOCATION #19



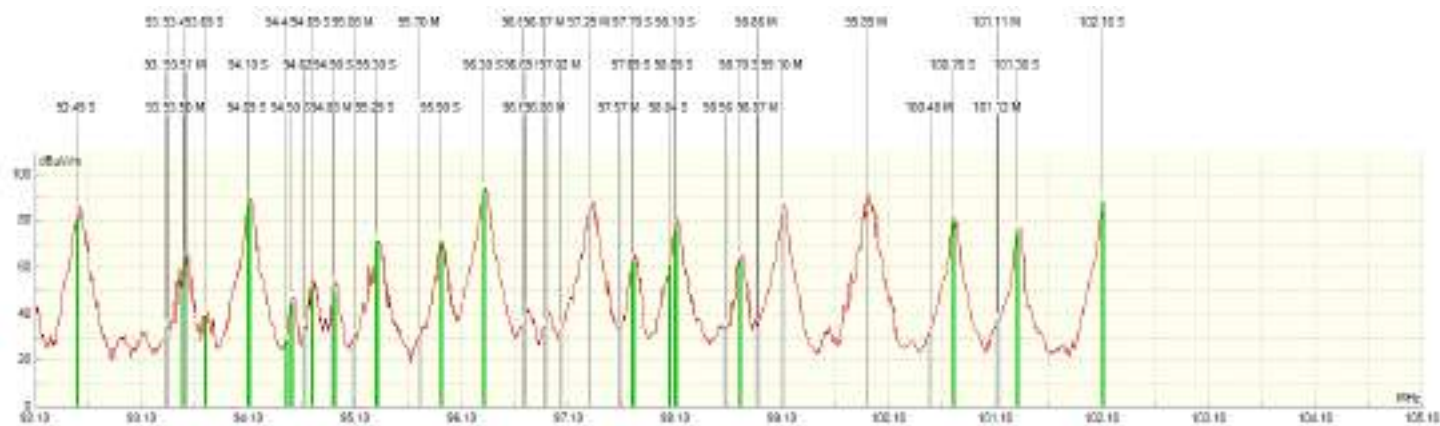
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LOCATION #21



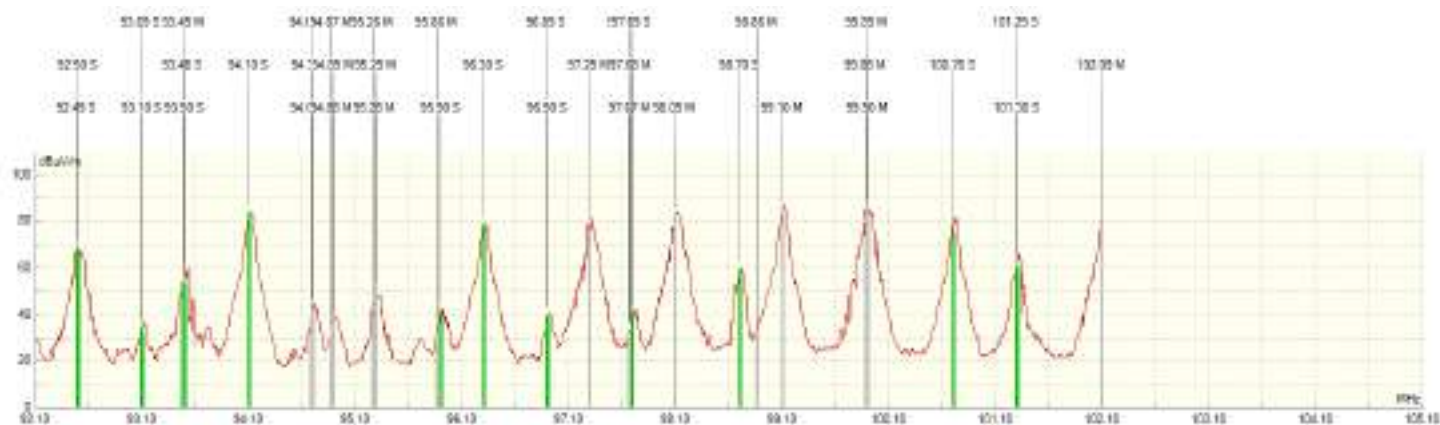
LOCATION #22



LOCATION #23



LOCATION #24



LOCATION #31



LOCATION #32



LOCATION #33



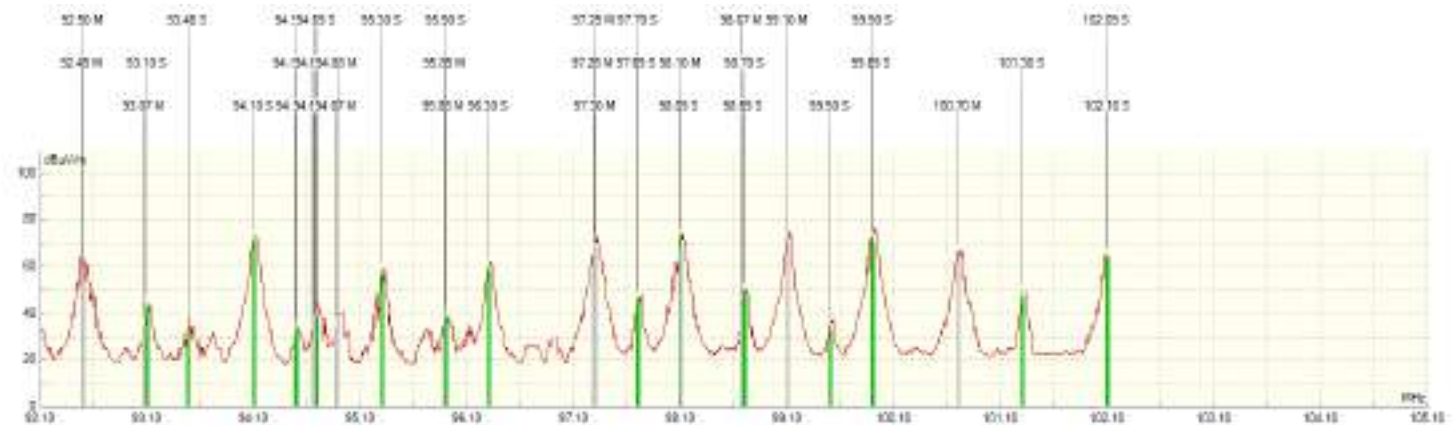
LOCATION #34



LOCATION #35



LOCATION #36



LOCATION #37



LOCATION #38



LOCATION #43



LOCATION #44



LOCATION #45



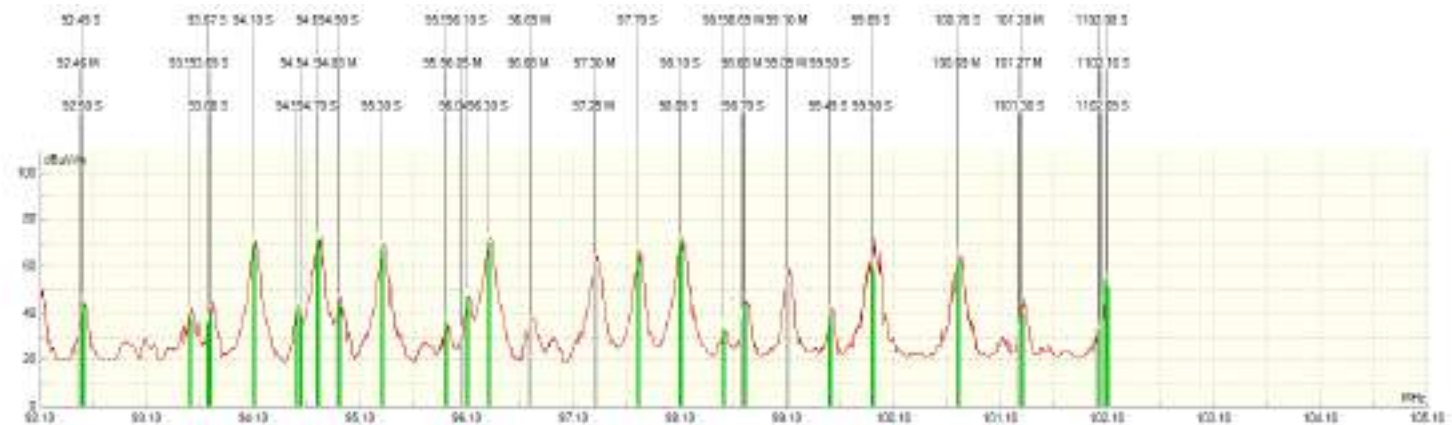
LOCATION #46



LOCATION #51



LOCATION #52



LOCATION #53



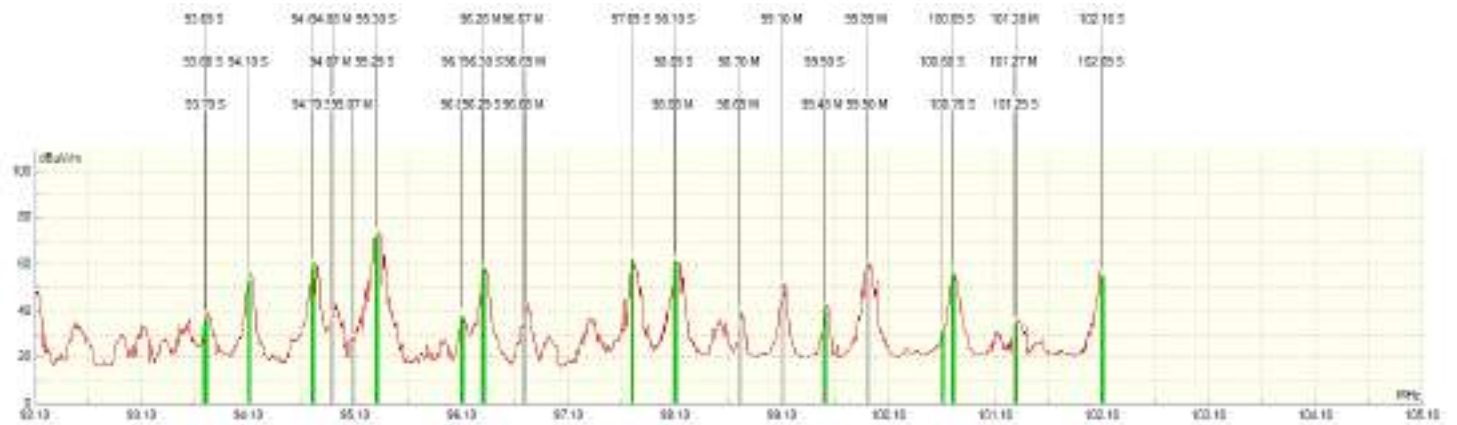
LOCATION #54



LOCATION #55



LOCATION #56



LOCATION #57



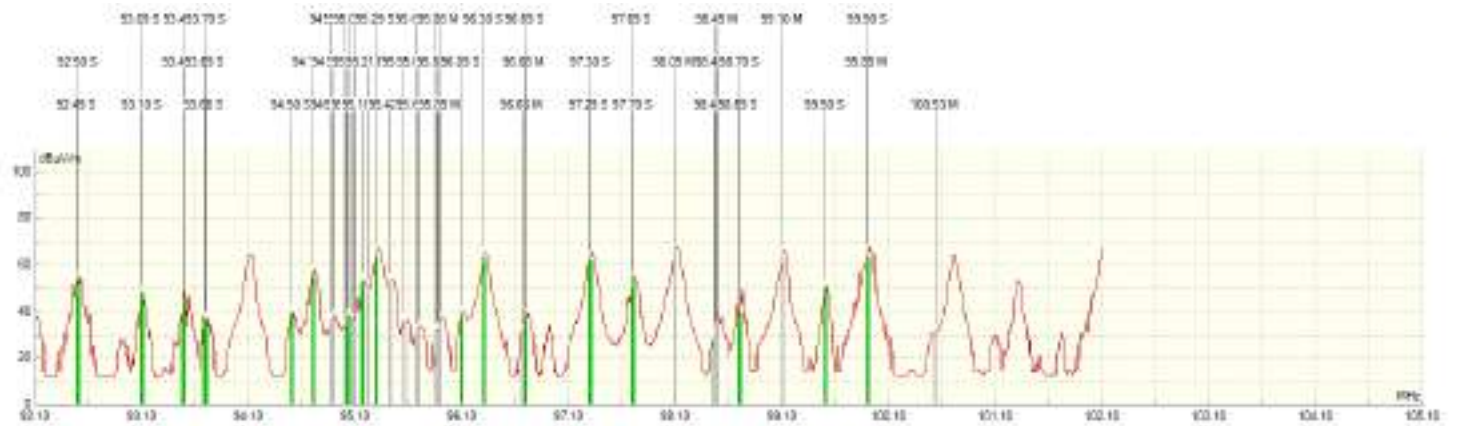
LOCATION #58



[illegible]

Figure 10 shows the magnitude spectrum of the received signal. The x-axis represents frequency in MHz, ranging from 92.10 to 92.18. The y-axis represents the magnitude in dBW/Hz, ranging from 0 to 100. The spectrum displays a noisy signal with several prominent peaks. Vertical green lines are drawn at specific frequency points, and vertical grey lines are also present. Labels above the plot indicate the frequency values for these markers: 92.45 S, 93.70 S, 94.45 S, 94.50 M, 95.25 S, 96.00 M, 96.05 M, 97.30 M, 97.70 S, 99.10 M, 99.50 S, 100.05 M, 101.20 M, 102.10 S, 103.00 M, 103.05 S, 104.00 M, 104.05 S, 105.00 M, 105.05 S, 106.00 M, 106.05 M, 107.30 M, 107.70 S, 109.10 M, 109.50 S, 110.05 M, 111.20 M, 112.10 S, 113.00 M, 113.05 S, 114.00 M, 114.05 S, 115.00 M, 115.05 S, 116.00 M, 116.05 M, 117.30 M, 117.70 S, 119.10 M, 119.50 S, 120.05 M, 121.20 M, 122.10 S, 123.00 M, 123.05 S, 124.00 M, 124.05 S, 125.00 M, 125.05 S, 126.00 M, 126.05 M, 127.30 M, 127.70 S, 129.10 M, 129.50 S, 130.05 M, 131.20 M, 132.10 S, 133.00 M, 133.05 S, 134.00 M, 134.05 S, 135.00 M, 135.05 S, 136.00 M, 136.05 M, 137.30 M, 137.70 S, 139.10 M, 139.50 S, 140.05 M, 141.20 M, 142.10 S, 143.00 M, 143.05 S, 144.00 M, 144.05 S, 145.00 M, 145.05 S, 146.00 M, 146.05 M, 147.30 M, 147.70 S, 149.10 M, 149.50 S, 150.05 M, 151.20 M, 152.10 S, 153.00 M, 153.05 S, 154.00 M, 154.05 S, 155.00 M, 155.05 S, 156.00 M, 156.05 M, 157.30 M, 157.70 S, 159.10 M, 159.50 S, 160.05 M, 161.20 M, 162.10 S, 163.00 M, 163.05 S, 164.00 M, 164.05 S, 165.00 M, 165.05 S, 166.00 M, 166.05 M, 167.30 M, 167.70 S, 169.10 M, 169.50 S, 170.05 M, 171.20 M, 172.10 S, 173.00 M, 173.05 S, 174.00 M, 174.05 S, 175.00 M, 175.05 S, 176.00 M, 176.05 M, 177.30 M, 177.70 S, 179.10 M, 179.50 S, 180.05 M, 181.20 M, 182.10 S, 183.00 M, 183.05 S, 184.00 M, 184.05 S, 185.00 M, 185.05 S, 186.00 M, 186.05 M, 187.30 M, 187.70 S, 189.10 M, 189.50 S, 190.05 M, 191.20 M, 192.10 S, 193.00 M, 193.05 S, 194.00 M, 194.05 S, 195.00 M, 195.05 S, 196.00 M, 196.05 M, 197.30 M, 197.70 S, 199.10 M, 199.50 S, 200.05 M, 201.20 M, 202.10 S, 203.00 M, 203.05 S, 204.00 M, 204.05 S, 205.00 M, 205.05 S, 206.00 M, 206.05 M, 207.30 M, 207.70 S, 209.10 M, 209.50 S, 210.05 M, 211.20 M, 212.10 S, 213.00 M, 213.05 S, 214.00 M, 214.05 S, 215.00 M, 215.05 S, 216.00 M, 216.05 M, 217.30 M, 217.70 S, 219.10 M, 219.50 S, 220.05 M, 221.20 M, 222.10 S, 223.00 M, 223.05 S, 224.00 M, 224.05 S, 225.00 M, 225.05 S, 226.00 M, 226.05 M, 227.30 M, 227.70 S, 229.10 M, 229.50 S, 230.05 M, 231.20 M, 232.10 S, 233.00 M, 233.05 S, 234.00 M, 234.05 S, 235.00 M, 235.05 S, 236.00 M, 236.05 M, 237.30 M, 237.70 S, 239.10 M, 239.50 S, 240.05 M, 241.20 M, 242.10 S, 243.00 M, 243.05 S, 244.00 M, 244.05 S, 245.00 M, 245.05 S, 246.00 M, 246.05 M, 247.30 M, 247.70 S, 249.10 M, 249.50 S, 250.05 M, 251.20 M, 252.10 S, 253.00 M, 253.05 S, 254.00 M, 254.05 S, 255.00 M, 255.05 S, 256.00 M, 256.05 M, 257.30 M, 257.70 S, 259.10 M, 259.50 S, 260.05 M, 261.20 M, 262.10 S, 263.00 M, 263.05 S, 264.00 M, 264.05 S, 265.00 M, 265.05 S, 266.00 M, 266.05 M, 267.30 M, 267.70 S, 269.10 M, 269.50 S, 270.05 M, 271.20 M, 272.10 S, 273.00 M, 273.05 S, 274.00 M, 274.05 S, 275.00 M, 275.05 S, 276.00 M, 276.05 M, 277.30 M, 277.70 S, 279.10 M, 279.50 S, 280.05 M, 281.20 M, 282.10 S, 283.00 M, 283.05 S, 284.00 M, 284.05 S, 285.00 M, 285.05 S, 286.00 M, 286.05 M, 287.30 M, 287.70 S, 289.10 M, 289.50 S, 290.05 M, 291.20 M, 292.10 S, 293.00 M, 293.05 S, 294.00 M, 294.05 S, 295.00 M, 295.05 S, 296.00 M, 296.05 M, 297.30 M, 297.70 S, 299.10 M, 299.50 S, 300.05 M, 301.20 M, 302.10 S, 303.00 M, 303.05 S, 304.00 M, 304.05 S, 305.00 M, 305.05 S, 306.00 M, 306.05 M, 307.30 M, 307.70 S, 309.10 M, 309.50 S, 310.05 M, 311.20 M, 312.10 S, 313.00 M, 313.05 S, 314.00 M, 314.05 S, 315.00 M, 315.05 S, 316.00 M, 316.05 M, 317.30 M, 317.70 S, 319.10 M, 319.50 S, 320.05 M, 321.20 M, 322.10 S, 323.00 M, 323.05 S, 324.00 M, 324.05 S, 325.00 M, 325.05 S, 326.00 M, 326.05 M, 327.30 M, 327.70 S, 329.10 M, 329.50 S, 330.05 M, 331.20 M, 332.10 S, 333.00 M, 333.05 S, 334.00 M, 334.05 S, 335.00 M, 335.05 S, 336.00 M, 336.05 M, 337.30 M, 337.70 S, 339.10 M, 339.50 S, 340.05 M, 341.20 M, 342.10 S, 343.00 M, 343.05 S, 344.00 M, 344.05 S, 345.00 M, 345.05 S, 346.00 M, 346.05 M, 347.30 M, 347.70 S, 349.10 M, 349.50 S, 350.05 M, 351.20 M, 352.10 S, 353.00 M, 353.05 S, 354.00 M, 354.05 S, 355.00 M, 355.05 S, 356.00 M, 356.05 M, 357.30 M, 357.70 S, 359.10 M, 359.50 S, 360.05 M, 361.20 M, 362.10 S, 363.00 M, 363.05 S, 364.00 M, 364.05 S, 365.00 M, 365.05 S, 366.00 M, 366.05 M, 367.30 M, 367.70 S, 369.10 M, 369.50 S, 370.05 M, 371.20 M, 372.10 S, 373.00 M, 373.05 S, 374.00 M, 374.05 S, 375.00 M, 375.05 S, 376.00 M, 376.05 M, 377.30 M, 377.70 S, 379.10 M, 379.50 S, 380.05 M, 381.20 M, 382.10 S,

LOCATION #62



LOCATION #63



LOCATION #64



LOCATION #66B

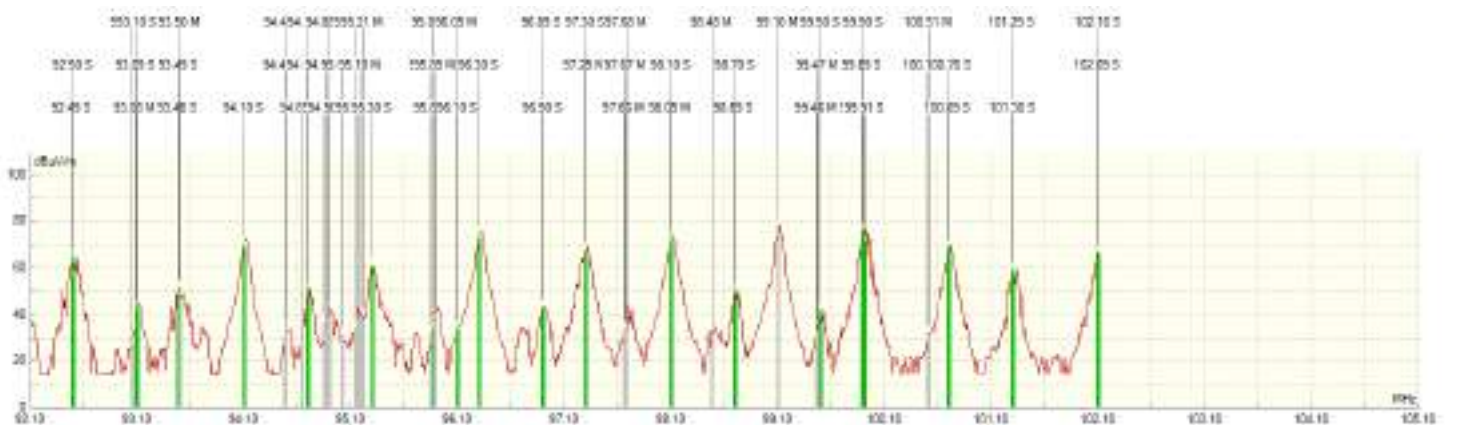


Figure 1 shows the measured power spectrum of the received signal. The x-axis represents frequency in MHz, ranging from 62.10 to 62.15. The y-axis represents power in dBm, ranging from 0 to 100. The plot displays a red line representing the power spectrum and green vertical bars representing the detected tones. The tones are labeled with their frequencies in MHz at the top of the plot.

LOCATION #71



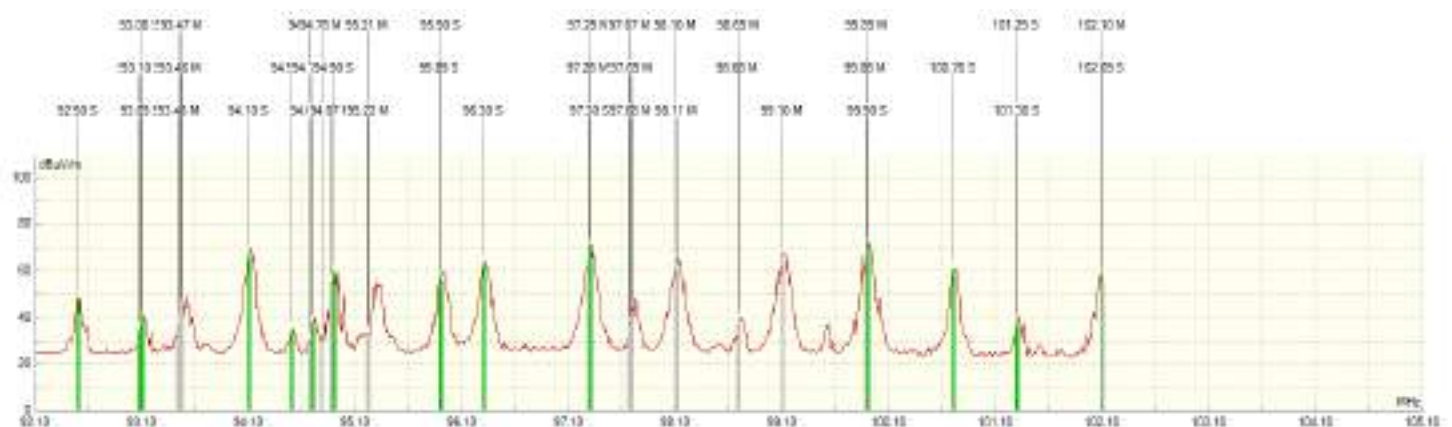
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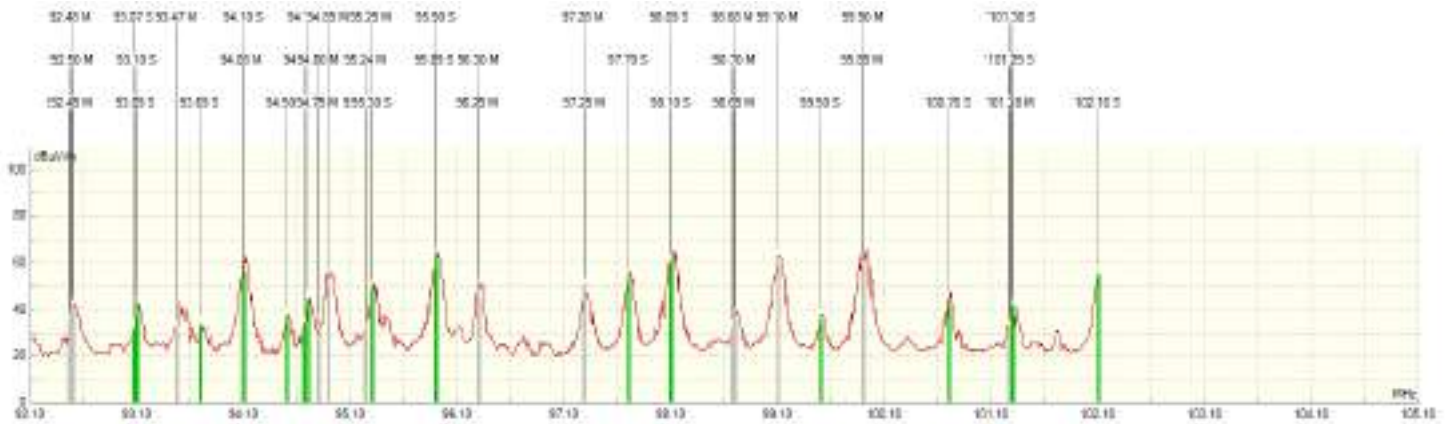
LOCATION #73



LOCATION #74



LOCATION #75



LOCATION #76 CARN ON



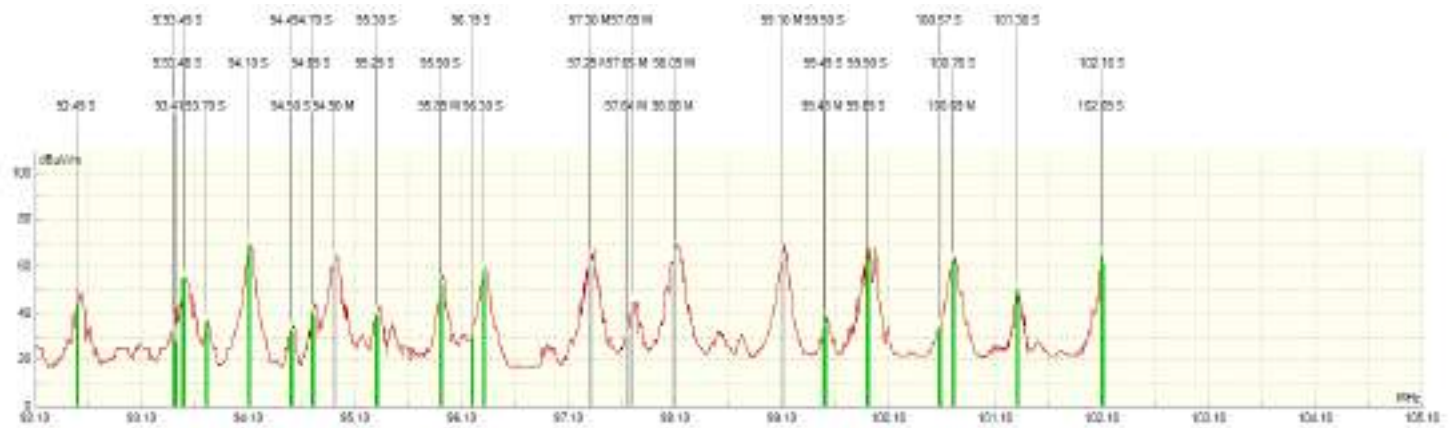
LOCATION #76 CARN OFF



LOCATION #77 CARN ON



LOCATION #79 CARN OFF



LOCATION #80 CARN ON



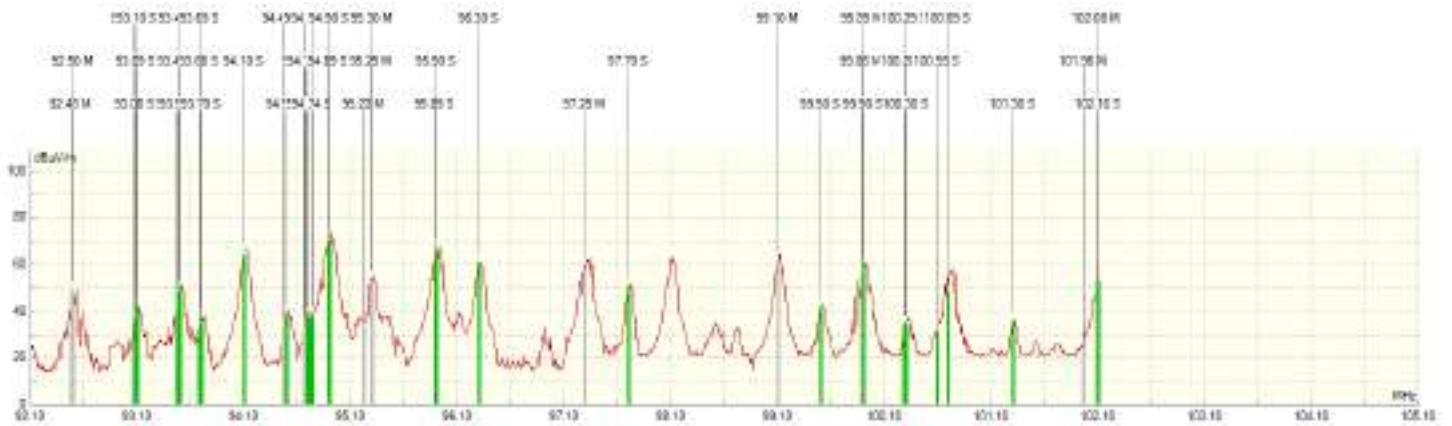
LOCATION #80 CARN OFF



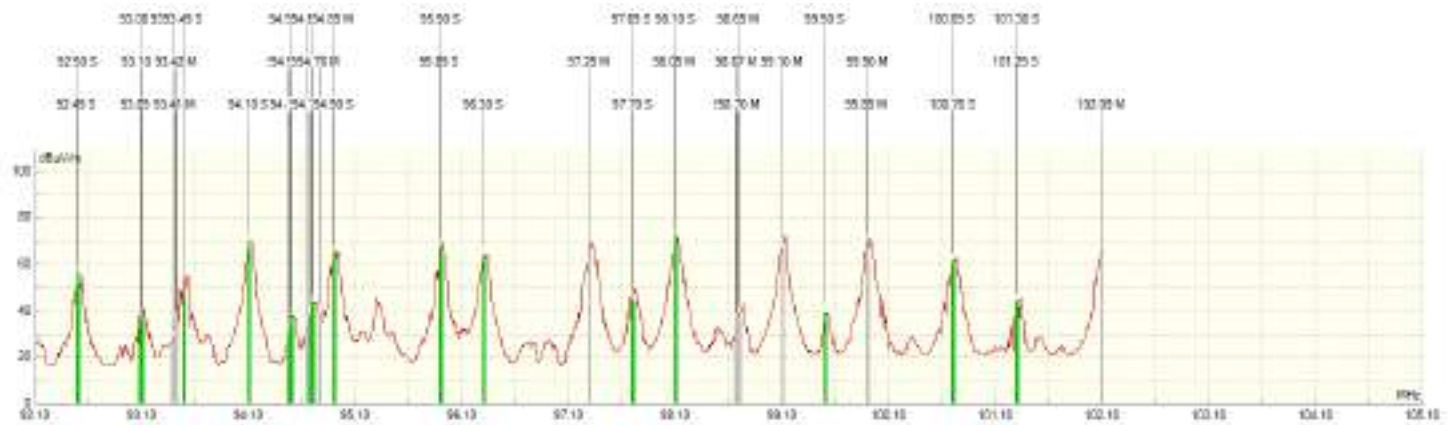
LOCATION #81



LOCATION #82



LOCATION #83



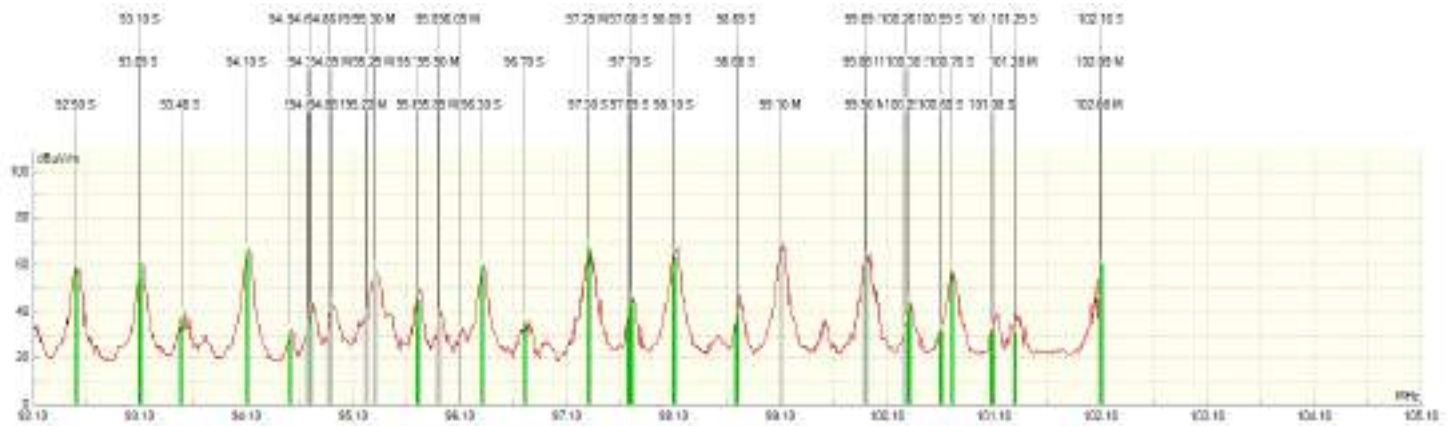
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LOCATION #85



LOCATION #90



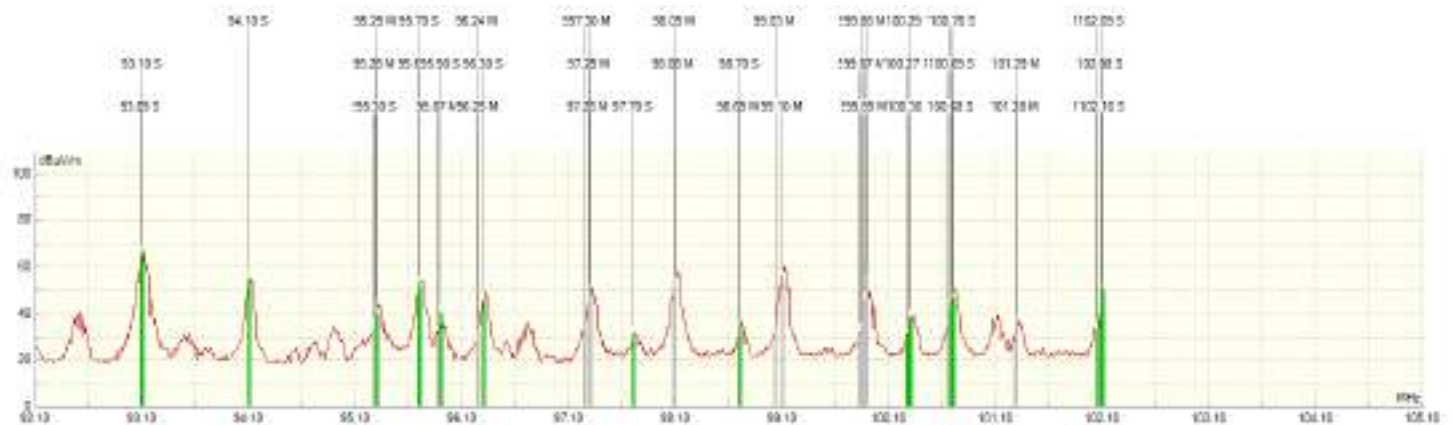
LOCATION #91



LOCATION #92



LOCATION #93



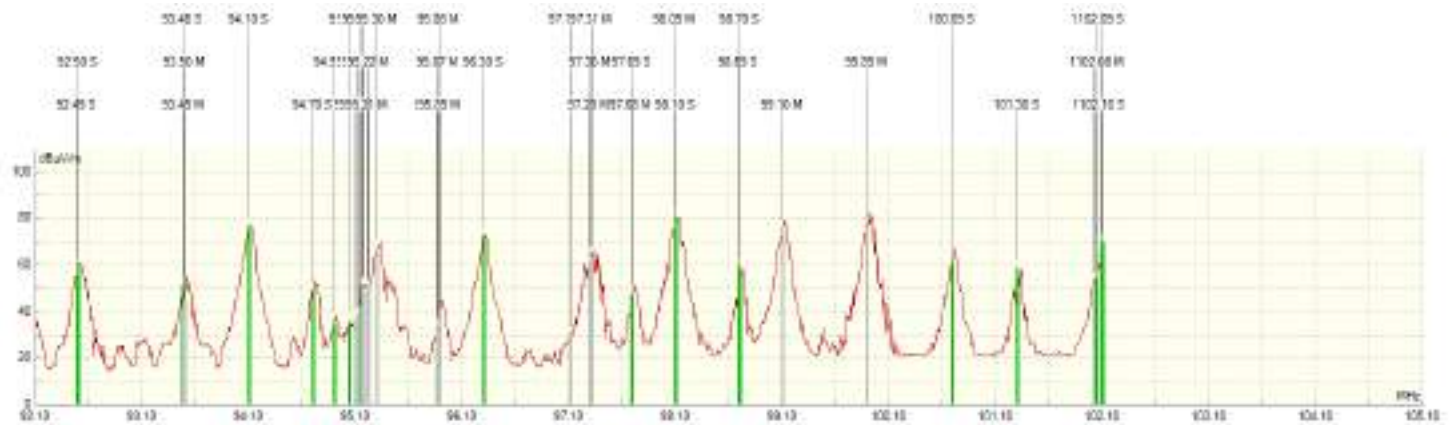
LOCATION #94



LOCATION #95



LOCATION #97 CARN ON



LOCATION #97 CARN OFF

