

PAGE NO. 7 of 53. AMENDED August 22, 2000
NAME OF TEST: Maximum Peak Output Power
SPECIFICATION: 47 CFR 15.247(b)
SPEC. LIMIT: ≤ 1 Watt peak (0.25 if <50 Hopping Channels)
TEST EQUIPMENT: Attached

MEASUREMENT DATA

ANTENNA GAIN, dBi = 0 Snap On
 PEAK OUTPUT POWER, Watts = 0.0955 EIRP
 WORST CASE FOR
 ALL CHANNELS

NAME OF TEST: Radiated Emissions

g0080488: 2000-Aug-17 Thu 14:16:00 Snap On Antenna

FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	METER, dBuV	CF, dB	uV/m @ 3m	EIRP, dBm	EIRP, mw
2412.000000	2413.200000	59.06	55.77	551442.2	19.6	91.2
2442.000000	2443.300000	59.06	55.96	563637.66	19.8	95.5
2462.000000	2463.300000	57.94	56.1	503500.61	18.8	75.9

SUPERVISED BY:

Morton Flom, P. Eng.

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9.1 of 53. AMENDED August 22, 2000

NAME OF TEST: Out of Band Emissions
 g0080487: 2000-Aug-17 Thu 11:10:00 Snap On Antenna

FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	METER, dBuV	CF, dB	uV/m @ 3m	EIRP, dBm	MARGIN, dB
2442.000000	30.213000	11.93	14.87	21.88	-68.4	-13.2
2442.000000	34.000000	10.13	14.33	16.71	-70.8	-15.5
2442.000000	38.000000	17.61	13.83	37.33	-63.8	-8.6
2442.000000	42.000000	15.85	13.23	28.44	-66.1	-10.9
2442.000000	46.000000	-0.6	12.54	3.95	-83.3	-28.1
2442.000000	50.120000	11.04	11.88	14	-72.3	-17.1
2442.000000	54.000000	3.73	11.23	5.6	-80.3	-25
2442.000000	58.000000	-2.16	10.6	2.64	-86.8	-31.6
2442.000000	66.000000	-0.5	9.68	2.88	-86	-30.8
2442.000000	69.940000	2.99	9.31	4.12	-82.9	-27.7
2442.000000	74.000000	5.13	9.05	5.12	-81	-25.8
2442.000000	83.000000	10.1	9.04	9.06	-76.1	-20.9
2442.000000	86.000000	18.49	9.38	24.75	-67.4	-12.1
2442.000000	110.000000	10.59	12.97	15.07	-71.7	-19.4
2442.000000	114.550000	15.21	13.37	26.85	-66.6	-14.4
2442.000000	118.000000	10.86	13.67	16.85	-70.7	-18.5
2442.000000	122.000000	7.24	13.9	11.4	-74.1	-21.9
2442.000000	126.000000	14.16	14.04	25.7	-67	-14.8
2442.000000	130.000000	13.58	14.19	24.46	-67.5	-15.2
2442.000000	134.000000	11.51	14.5	19.98	-69.2	-17
2442.000000	138.000000	9.02	14.8	15.52	-71.4	-19.2
2442.000000	142.000000	8.73	14.98	15.33	-71.5	-19.3
2442.000000	144.025000	17.39	15.01	41.69	-62.8	-10.6
2442.000000	146.025000	4.69	15.04	9.69	-75.5	-23.3
2442.000000	150.325000	12	15.09	22.62	-68.1	-15.9
2442.000000	161.950000	7.43	14.89	13.06	-72.9	-20.7
2442.000000	166.000000	6.6	14.82	11.78	-73.8	-21.6
2442.000000	170.000000	6.65	14.74	11.74	-73.8	-21.6
2442.000000	174.000000	7.53	14.79	13.06	-72.9	-20.7
2442.000000	178.000000	7.59	14.85	13.24	-72.8	-20.6
2442.000000	190.000000	23.06	15.95	89.23	-56.2	-4
2442.000000	202.000000	5.78	17.18	14.06	-72.3	-20
2442.000000	212.638000	14.57	18.16	43.3	-62.5	-10.3
2442.000000	216.013000	15.82	18.46	51.76	-60.9	-11.7
2442.000000	218.000000	6.06	18.63	17.16	-70.5	-21.3
2442.000000	222.000000	4.66	18.95	15.15	-71.6	-22.4
2442.000000	226.000000	8.27	19.23	23.71	-67.7	-18.5
2442.000000	230.000000	7.34	19.51	22	-68.4	-19.2
2442.000000	234.000000	7.97	19.63	23.99	-67.6	-18.4
2442.000000	238.000000	12.37	19.75	40.36	-63.1	-13.9
2442.000000	239.988000	16.91	19.81	68.55	-58.5	-9.3
2442.000000	242.000000	10.93	19.95	34.99	-64.3	-15.1
2442.000000	246.000000	8.43	20.22	27.07	-66.6	-17.4
2442.000000	250.650000	18.35	20.51	87.7	-56.4	-7.1
2442.000000	254.000000	11.76	20.54	41.21	-62.9	-13.7
2442.000000	258.000000	10.17	20.59	34.51	-64.5	-15.2
2442.000000	262.000000	9.24	20.71	31.44	-65.3	-16.1
2442.000000	264.025000	17.96	20.81	86.8	-56.5	-7.2

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NAME OF TEST: Out of Band Emissions (Continued)
 g0080487: 2000-Aug-17 Thu 11:10:00 Snap On Antenna

FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	METER, dBuV	CF, dB	uV/m @ 3m	EIRP, dBm	MARGIN, dB
2442.000000	266.000000	10.08	20.91	35.44	-64.2	-15
2442.000000	271.313000	16.93	21.16	80.26	-57.1	-7.9
2442.000000	274.000000	8.39	21.27	30.41	-65.6	-16.3
2442.000000	278.000000	8.48	21.43	31.3	-65.3	-16.1
2442.000000	282.000000	5.04	21.49	21.21	-68.7	-19.5
2442.000000	286.000000	5.61	21.45	22.54	-68.2	-18.9
2442.000000	288.050000	11.92	21.43	46.51	-61.9	-12.7
2442.000000	290.000000	6.49	21.41	24.83	-67.3	-18.1
2442.000000	294.000000	6.27	25.17	37.33	-63.8	-14.6
2442.000000	298.000000	1.71	28.87	33.81	-64.6	-15.4
2442.000000	300.693000	25.42	17.85	145.71	-52	-2.7
2442.000000	304.693000	10.91	18.09	28.18	-66.2	-17
2442.000000	308.693000	13.54	18.34	39.26	-63.3	-14.1
2442.000000	311.978000	20.14	18.54	85.9	-56.5	-7.3
2442.000000	317.448000	19.96	18.87	87.4	-56.4	-7.2
2442.000000	320.658000	11.75	19.06	34.71	-64.4	-15.2
2442.000000	324.658000	8.65	19.3	24.97	-67.3	-18.1
2442.000000	328.658000	8.51	19.53	25.23	-67.2	-18
2442.000000	332.658000	6.56	19.76	20.7	-68.9	-19.7
2442.000000	337.348000	15.16	20.02	57.41	-60	-10.8
2442.000000	340.663000	3.88	20.21	16.01	-71.1	-21.9
2442.000000	344.663000	21.82	20.43	129.57	-53	-3.8
2442.000000	348.663000	6.07	20.65	21.68	-68.5	-19.3
2442.000000	352.663000	4.63	20.87	18.84	-69.7	-20.5
2442.000000	356.663000	1.76	21.1	13.9	-72.4	-23.1
2442.000000	360.663000	4.97	21.32	20.63	-68.9	-19.7
2442.000000	364.663000	6.77	21.54	26.03	-66.9	-17.7
2442.000000	368.663000	6.98	21.77	27.38	-66.5	-17.3
2442.000000	372.663000	1.08	21.98	14.22	-72.2	-22.9
2442.000000	375.913000	12.68	22.16	55.21	-60.4	-11.2
2442.000000	380.668000	5.38	22.41	24.52	-67.4	-18.2
2442.000000	381.303000	11.95	22.44	52.42	-60.8	-11.6
2442.000000	384.658000	4.07	22.61	21.58	-68.5	-19.3
2442.000000	388.658000	17.49	22.82	103.63	-54.9	-5.7
2442.000000	392.658000	4.23	23.03	23.07	-68	-18.7
2442.000000	396.658000	3.88	23.23	22.67	-68.1	-18.9
2442.000000	400.658000	3.12	23.39	21.16	-68.7	-19.5
2442.000000	404.658000	1.99	23.39	18.58	-69.8	-20.6
2442.000000	408.658000	4.64	23.38	25.18	-67.2	-18
2442.000000	412.658000	2.53	23.37	19.72	-69.3	-20.1
2442.000000	416.658000	-2.12	23.35	11.52	-74	-24.8
2442.000000	420.658000	0.89	23.35	16.29	-71	-21.8
2442.000000	424.658000	1.46	23.34	17.38	-70.4	-21.2
2442.000000	428.658000	2.49	23.33	19.54	-69.4	-20.2
2442.000000	432.658000	12.65	23.32	62.88	-59.3	-10
2442.000000	436.658000	1.53	23.31	17.46	-70.4	-21.2
2442.000000	440.658000	-0.43	23.3	13.92	-72.4	-23.1
2442.000000	444.658000	-0.97	23.29	13.06	-72.9	-23.7

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NAME OF TEST: Out of Band Emissions (Continued)
 g0080487: 2000-Aug-17 Thu 11:10:00 Snap On Antenna

FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	METER, dBuV	CF, dB	uV/m @ 3m	EIRP, dBm	MARGIN, dB
2442.000000	448.658000	1.54	23.28	17.42	-70.4	-21.2
2442.000000	456.658000	5.82	23.29	28.54	-66.1	-16.9
2442.000000	460.658000	2.8	23.28	20.14	-69.1	-19.9
2442.000000	464.658000	4.77	23.28	25.26	-67.2	-18
2442.000000	468.658000	-0.85	23.28	13.23	-72.8	-23.6
2442.000000	472.658000	2.51	23.29	19.5	-69.4	-20.2
2442.000000	484.658000	-0.68	23.29	13.51	-72.6	-23.4
2442.000000	496.658000	0.3	23.3	15.14	-71.6	-22.4
2442.000000	500.658000	-0.23	23.33	14.29	-72.1	-22.9
2442.000000	504.658000	-2.65	23.49	11.02	-74.4	-25.2
2442.000000	508.658000	-1.37	23.65	13	-72.9	-23.7
2442.000000	520.658000	3.54	24.12	24.15	-67.6	-18.3
2442.000000	524.658000	-0.24	24.28	15.92	-71.2	-22
2442.000000	528.658000	-1.84	24.44	13.49	-72.6	-23.4
2442.000000	532.658000	0.97	24.59	18.97	-69.7	-20.4
2442.000000	536.658000	-3.19	24.74	11.95	-73.7	-24.5
2442.000000	540.658000	-0.57	24.88	16.42	-70.9	-21.7
2442.000000	544.658000	17.09	25.04	127.79	-53.1	-3.9
2442.000000	548.658000	0.61	25.19	19.5	-69.4	-20.2
2442.000000	552.658000	-1.53	25.33	15.49	-71.4	-22.2
2442.000000	556.658000	-1.4	25.48	16	-71.1	-21.9
2442.000000	560.658000	-1.86	25.62	15.42	-71.5	-22.2
2442.000000	564.658000	9.84	25.76	60.26	-59.6	-10.4
2442.000000	568.658000	-2.06	25.92	15.6	-71.4	-22.1
2442.000000	580.658000	-0.7	26.34	19.14	-69.6	-20.4
2442.000000	584.658000	12.89	26.48	93	-55.9	-6.6
2442.000000	588.658000	9.1	26.62	61.09	-59.5	-10.3
2442.000000	592.658000	-2.37	26.75	16.56	-70.8	-21.6
2442.000000	596.658000	-1.02	26.89	19.66	-69.4	-20.1
2442.000000	600.658000	0.64	27.01	24.13	-67.6	-18.4
2442.000000	610.658000	-0.87	27.14	20.58	-69	-19.7
2442.000000	620.658000	-0.75	27.26	21.16	-68.7	-19.5
2442.000000	630.663000	1.35	27.39	27.35	-66.5	-17.3
2442.000000	640.663000	-1.73	27.51	19.45	-69.4	-20.2
2442.000000	650.663000	-1.99	27.63	19.14	-69.6	-20.4
2442.000000	670.663000	-0.79	27.87	22.59	-68.1	-18.9
2442.000000	680.663000	-1.31	27.98	21.55	-68.6	-19.3
2442.000000	690.663000	-1.88	28.1	20.46	-69	-19.8
2442.000000	700.663000	-1.85	28.21	20.8	-68.9	-19.6
2442.000000	710.663000	-2.76	28.35	19.03	-69.6	-20.4
2442.000000	720.663000	-1.06	28.48	23.5	-67.8	-18.6
2442.000000	730.663000	-1.35	28.62	23.09	-68	-18.7
2442.000000	740.663000	2.04	28.75	34.63	-64.4	-15.2
2442.000000	750.663000	0.76	28.88	30.34	-65.6	-16.4
2442.000000	760.663000	-2.64	29.01	20.82	-68.9	-19.6
2442.000000	770.663000	-0.32	29.13	27.57	-66.4	-17.2
2442.000000	780.663000	-1.04	29.26	25.76	-67	-17.8
2442.000000	790.663000	-1.21	29.39	25.64	-67	-17.8

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NAME OF TEST: Out of Band Emissions (Continued)
 g0080487: 2000-Aug-17 Thu 11:10:00 Snap On Antenna

FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	METER, dBuV	CF, dB	uV/m @ 3m	EIRP, dBm	MARGIN, dB
2442.000000	800.663000	-0.15	29.5	29.34	-65.9	-16.7
2442.000000	810.663000	-1.88	29.54	24.15	-67.6	-18.3
2442.000000	820.663000	0.45	29.57	31.7	-65.2	-16
2442.000000	830.663000	-0.18	29.59	29.55	-65.8	-16.6
2442.000000	840.663000	-0.51	29.61	28.51	-66.1	-16.9
2442.000000	850.663000	2.42	29.64	40.09	-63.2	-13.9
2442.000000	870.663000	0.14	29.7	31.05	-65.4	-16.2
2442.000000	880.663000	2.8	29.73	42.32	-62.7	-13.5
2442.000000	890.663000	1.08	29.76	34.83	-64.4	-15.2
2442.000000	900.663000	-0.81	29.84	28.28	-66.2	-17
2442.000000	910.663000	-1.98	30.8	27.61	-66.4	-17.2
2442.000000	920.663000	-0.62	31.75	36.02	-64.1	-14.9
2442.000000	930.663000	-0.75	32.69	39.54	-63.3	-14.1
2442.000000	940.663000	3.27	33.62	69.9	-58.3	-9.1
2442.000000	950.663000	-0.66	34.53	49.37	-61.4	-12.1
2442.000000	960.663000	0.74	35.44	64.42	-59	-17.8
2442.000000	970.663000	-2.47	36.34	49.37	-61.4	-20.1
2442.000000	980.663000	-2.45	37.22	54.76	-60.5	-19.2
2442.000000	990.663000	-1.97	38.1	64.05	-59.1	-17.9
2442.000000	999.993000	0.54	38.9	93.76	-55.8	-14.6

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NAME OF TEST: Band Edge Emissions

g0080491: 2000-Aug-17 Thu 15:37:00 Snap On Antenna

Lower Bandedge

FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	METER, dBuV	CF, dB	uV/m @ 3 m	PEAK (P) OR AVERAGE (A)
2412.000	2375.050000	7.8	41.4	49.3	A
2412.000	2375.083333	18.8	44.9	63.8	P
2412.000	2375.800000	8.5	41.4	49.9	A
2412.000	2375.833333	20.8	44.9	65.8	P
2412.000	2376.850000	7.8	41.4	49.3	A
2412.000	2377.000000	19.0	44.9	63.9	P
2412.000	2378.150000	7.8	41.5	49.3	A
2412.000	2379.600000	8.0	41.5	49.5	A
2412.000	2379.833333	18.3	45.0	63.3	P
2412.000	2381.050000	8.0	41.5	49.5	A
2412.000	2382.100000	7.8	41.5	49.3	A
2412.000	2382.333333	19.0	45.0	64.0	P
2412.000	2383.400000	8.2	41.5	49.7	A
2412.000	2384.100000	7.8	41.5	49.4	A
2412.000	2384.750000	19.2	45.0	64.2	P
2412.000	2385.450000	8.2	41.5	49.7	A
2412.000	2386.850000	8.3	41.6	49.6	A
2412.000	2386.916667	19.3	45.1	64.4	P
2412.000	2388.450000	8.0	41.6	49.6	A
2412.000	2390.000000	8.2	41.6	49.4	A
2412.000	2390.000000	18.2	45.1	63.3	P

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NAME OF TEST: Band Edge Emissions

g0080495: 2000-Aug-18 Fri 09:44:00 Snap On Antenna

Upper Bandedge

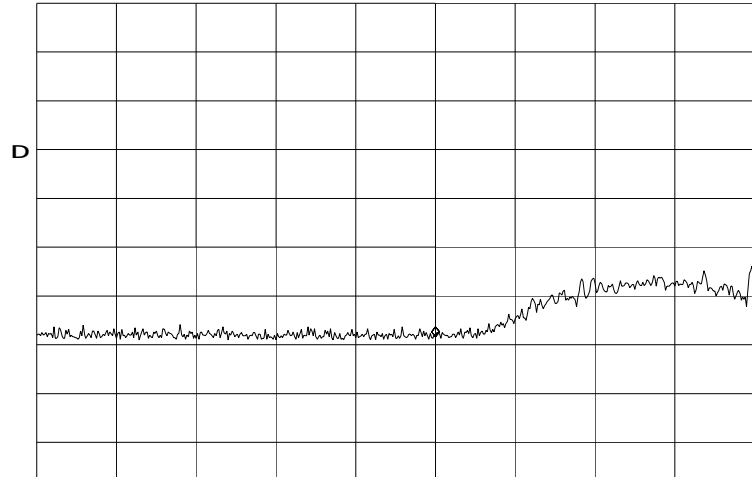
FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	METER, dBuV	CF, dB	uV/m @ 3m	PEAK (P) OR AVERAGE (A)
2462.000000	2483.500000	8.33	42.22	336.9	A
2462.000000	2483.500000	18	45.72	1534.62	P
2462.000000	2484.950000	8.17	42.23	331.13	A
2462.000000	2485.000000	20.67	45.73	2089.3	P
2462.000000	2486.500000	19.67	45.74	1864.23	P
2462.000000	2486.500000	8.17	42.24	331.51	A
2462.000000	2487.900000	19	45.75	1727.83	P
2462.000000	2488.000000	8.17	42.25	331.89	A
2462.000000	2489.500000	18.33	45.75	1599.56	P
2462.000000	2489.500000	8.17	42.25	331.89	A
2462.000000	2490.950000	21.67	45.77	2355.05	P
2462.000000	2491.050000	8	42.27	326.21	A
2462.000000	2492.500000	18.5	45.77	1634.93	P
2462.000000	2492.500000	8.17	42.27	332.66	A
2462.000000	2493.950000	8	42.29	326.96	A
2462.000000	2494.050000	19.83	45.79	1909.85	P
2462.000000	2495.500000	19.33	45.79	1803.02	P
2462.000000	2495.550000	8	42.29	326.96	A
2462.000000	2496.950000	20.17	45.81	1990.67	P
2462.000000	2497.050000	8	42.31	327.72	A

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NAME OF TEST: Radiated Band Edge
g0080494: 2000-Aug-18 Fri 09:37:00
Snap On Antenna

*ATTEN 0dB MKR 18.67dBu \
RL 87.0dBu V 10dB/ 2.39000GHZ



POWER:
MODULATION:

HIGH
11 MB/SEC PSUDEO RANDOM DATA
LOWER BANDEDGE CH 2412 /PEAK

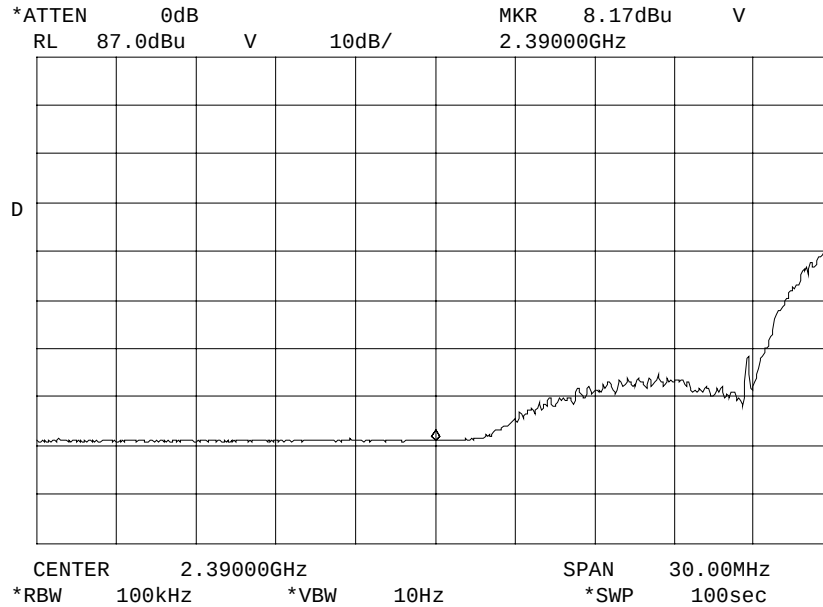
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NAME OF TEST: Radiated Band Edge
 g0080493: 2000-Aug-18 Fri 09:35:00
 Snap On Antenna



POWER:
 MODULATION:

HIGH
 11 MB/SEC PSUDEO RANDOM DATA
 LOWER BANDEDGE CH 2412/AVG

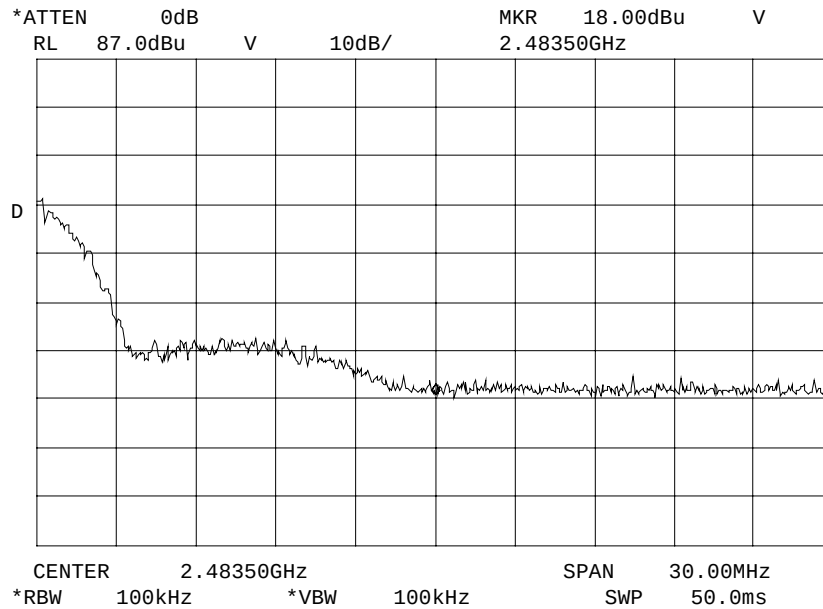
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Morton Flom, P. Eng.

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NAME OF TEST: Radiated Band Edge
 g0080498: 2000-Aug-18 Fri 10:14:00
 Snap On Antenna



POWER:
 MODULATION:

HIGH
 11 MB/SEC PSUDEO RANDOM DATA
 UPPER BANDEDGE CH 2462/PEAK

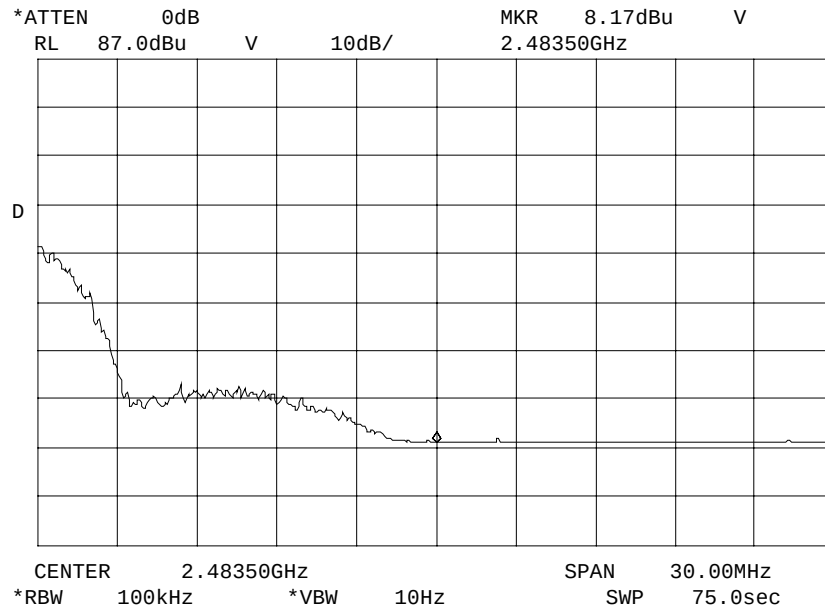
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NAME OF TEST: Radiated Band Edge
 g0080497: 2000-Aug-18 Fri 10:06:00
 Snap On Antenna



POWER:
 MODULATION:

HIGH
 11 MB/SEC PSUDEO RANDOM DATA
 UPPER BANDEDGE CH 2462/AVG

SUPERVISED BY:

Morton Flom, P. Eng.