

AVERAGE TRANSMITTER RADIATED SPURIOUS EMISSIONS

FCC ID: EHA2126

Intermec Technologies Corporation

Product: Intermec DSSS Type II Radio, Approval

Norand Mobile Systems Division

Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL

EMC Test Laboratory

Test Date (mm/dd/yy): 10/23/98

Standard: FCC 15.247

Measurement System Calibration Date: 3/2/98

Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	H.P.filter + Cable Loss (dB)	Antenna Correction Factor dB/M	Amplifier Gain (dB)	Calculated Result dB(uV)/M	AVERAGE Limit @ 3 Meters < 1 GHz, 1 Meter > 1 GHz dB(uV)/Meter	Margin (dB)
a	b	c	d	e	f	g	h	i
(formula)						(=c+d+e-f)		(=g-h)
Low Channel 01	2412.000	MHz						
352	Vert	3.0	1.7	15.0		19.7	46	-26.3
(IF)	Hor	3.1	1.7	15.0		19.8	46	-26.2
704	Vert	3.6	2.8	20.9		27.3	46	-18.7
(IF * 2)	Hor	3.6	2.8	20.9		27.3	46	-18.7
1056	Vert	24.3	1.7	23.1		49.1	64	-14.9
(IF * 3)	Hor	19.0	1.7	23.1		43.8	64	-20.2
1408	Vert	32.4	1.9	24.3		58.6	64	-5.4
(IF * 4)	Hor	19.7	1.9	24.3		45.9	64	-18.1
1760	Vert	19.7	4.3	25.8		49.8	64	-14.2
(IF * 5)	Hor	18.6	4.3	25.8		48.7	64	-15.3
2060	Vert	42.8	4.2	27.1	33.6	40.5	64	-23.5
(Fc-IF)	Hor	42.8	4.2	27.1	33.6	40.5	64	-23.5
2412	Vert		4.0	28.0				
(Fc)	Hor		4.0	28.0				
2816	Vert	53.1	4.2	29.3	33.8	52.8	64	-11.2
(IF*8)	Hor	44.4	4.2	29.3	33.8	44.1	64	-19.9
3468	Vert	36.1	3.8	30.6	33.8	36.7	64	-27.3
(Fc+IF*3)	Hor	33.4	3.8	30.6	33.8	34.0	64	-30.0
4824	Vert	49.9	4.8	32.8	32.9	54.6	64	-9.4
(Fc * 2)	Hor	59.2	4.8	32.8	32.9	63.9	64	-0.1
7236	Vert	38.6	6.3	36.8	33.3	48.4	64	-15.6
(Fc * 3)	Hor	50.1	6.3	36.8	33.3	59.9	64	-4.1
9648	Vert	32.5	7.1	37.4	33.5	43.5	64	-20.5
(Fc * 4)	Hor	34.3	7.1	37.4	33.5	45.3	64	-18.7
12060	Vert	30.2	7.9	39.1	32.4	44.8	64	-19.2
(Fc * 5)	Hor	30.3	7.9	39.1	32.4	44.9	64	-19.1
14472	Vert	31.5	8.8	40.8	31.3	49.8	64	-14.2
(Fc * 6)	Hor	31.7	8.8	40.8	31.3	50.0	64	-14.0
16884	Vert	31.4	11.1	40.3	31.1	51.7	64	-12.3
(Fc * 7)	Hor	31.6	11.1	40.3	31.1	51.9	64	-12.1
19296	Vert	39.9	1.9	44.2	31.1	54.9	64	-9.1
(Fc * 8)	Hor	39.5	1.9	44.2	31.1	54.5	64	-9.5
21708	Vert	38.3	1.4	44.3	30.5	53.5	64	-10.5
(Fc * 9)	Hor	38.3	1.4	44.3	30.5	53.5	64	-10.5
24120	Vert	38.8	1.1	45.1	30.8	54.2	64	-9.8
(Fc * 10)	Hor	38.9	1.1	45.1	30.8	54.3	64	-9.7

AVERAGE TRANSMITTER RADIATED SPURIOUS EMISSIONS

FCC ID: EHA2126

Intermec Technologies Corporation

Product: Intermec DSSS Type II Radio, Approval

Norand Mobile Systems Division

Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL

EMC Test Laboratory

Test Date (mm/dd/yy): 10/23/98

Standard: FCC 15.247

Measurement System Calibration Date: 3/2/98

Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	H.P.filter + Cable Loss (dB)	Antenna Correction Factor dB/M	Amplifier Gain (dB)	Calculated Result dB(uV)/M	AVERAGE Limit @ 3 Meters < 1 GHz, 1 Meter > 1 GHz dB(uV)/Meter	Margin (dB)
a	b	c	d	e	f	g	h	i
(formula)						(=c+d+e-f)		(=g-h)
Middle Channel 7	2442.000	MHz						
352	Vert	3.0	1.7	15.0		19.7	46	-26.3
(IF)	Hor	3.2	1.7	15.0		19.9	46	-26.1
704	Vert	3.6	2.8	20.9		27.3	46	-18.7
(IF * 2)	Hor	3.7	2.8	20.9		27.4	46	-18.6
1056	Vert	24.3	1.7	23.1		49.1	64	-14.9
(IF * 3)	Hor	19.0	1.7	23.1		43.8	64	-20.2
1408	Vert	32.4	1.9	24.3		58.6	64	-5.4
(IF * 4)	Hor	19.7	1.9	24.3		45.9	64	-18.1
1760	Vert	19.7	4.3	25.8		49.8	64	-14.2
(IF * 5)	Hor	18.6	4.3	25.8		48.7	64	-15.3
2090	Vert	46.6	4.0	27.2	33.7	44.1	64	-19.9
(Fc-IF)	Hor	39.8	4.0	27.2	33.7	37.3	64	-26.7
2442	Vert		3.9	28.1				
(Fc)	Hor		3.9	28.1				
2816	Vert	50.7	4.3	29.5	32.9	51.6	64	-12.4
(IF*8)	Hor	42.0	4.3	29.5	32.9	42.9	64	-21.1
3498	Vert	39.5	3.7	30.7	32.9	41.0	64	-23.0
(Fc+IF*3)	Hor	36.0	3.7	30.7	32.9	37.5	64	-26.5
4884	Vert	62.1	4.7	32.9	32.9	66.8	64	2.8
(Fc * 2)	Hor	58.1	4.7	32.9	32.9	62.8	64	-1.2
7326	Vert	39.8	6.0	37.2	33.3	49.7	64	-14.3
(Fc * 3)	Hor	39.1	6.0	37.2	33.3	49.0	64	-15.0
9768	Vert	35.5	6.7	37.6	33.4	46.4	64	-17.6
(Fc * 4)	Hor	34.8	6.7	37.6	33.4	45.7	64	-18.3
12210	Vert	30.1	7.8	39.2	32.4	44.7	64	-19.3
(Fc * 5)	Hor	30.7	7.8	39.2	32.4	45.3	64	-18.7
14652	Vert	32.3	9.0	40.5	31.4	50.4	64	-13.6
(Fc * 6)	Hor	31.9	9.0	40.5	31.4	50.0	64	-14.0
17094	Vert	31.4	11.4	41.5	31.1	53.2	64	-10.8
(Fc * 7)	Hor	31.5	11.4	41.5	31.1	53.3	64	-10.7
19536	Vert	39.8	1.4	44.0	31.3	53.9	64	-10.1
(Fc * 8)	Hor	39.5	1.4	44.0	31.3	53.6	64	-10.4
21978	Vert	38.4	2.0	44.7	30.4	54.7	64	-9.3
(Fc * 9)	Hor	38.3	2.0	44.7	30.4	54.6	64	-9.4
24420	Vert	38.9	2.3	45.6	31.3	55.5	64	-8.5
(Fc * 10)	Hor	38.8	2.3	45.6	31.3	55.4	64	-8.6

AVERAGE TRANSMITTER RADIATED SPURIOUS EMISSIONS

FCC ID: EHA2126

Intermec Technologies Corporation

Product: Intermec DSSS Type II Radio, Approval

Norand Mobile Systems Division

Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL

EMC Test Laboratory

Test Date (mm/dd/yy): 10/23/98

Standard: FCC 15.247

Measurement System Calibration Date: 3/2/98

Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	H.P.filter + Cable Loss (dB)	Antenna Correction Factor dB/M	Amplifier Gain (dB)	Calculated Result dB(uV)/M	AVERAGE Limit @ 3 Meters < 1 GHz, 1 Meter > 1 GHz dB(uV)/Meter	Margin (dB)
a	b	c	d	e	f	g	h	i
(formula)						(=c+d+e-f)		(=g-h)
High Channel 11	2462.000	MHz						
352	Vert	2.9	1.7	15.0		19.6	46	-26.4
(IF)	Hor	3.0	1.7	15.0		19.7	46	-26.3
704	Vert	3.7	2.8	20.9		27.4	46	-18.6
(IF * 2)	Hor	3.6	2.8	20.9		27.3	46	-18.7
1056	Vert	24.3	1.7	23.1		49.1	64	-14.9
(IF * 3)	Hor	19.0	1.7	23.1		43.8	64	-20.2
1408	Vert	32.4	1.9	24.3		58.6	64	-5.4
(IF * 4)	Hor	19.7	1.9	24.3		45.9	64	-18.1
1760	Vert	19.7	4.3	25.8		49.8	64	-14.2
(IF * 5)	Hor	18.6	4.3	25.8		48.7	64	-15.3
2110	Vert	48.4	4.0	27.3	33.8	45.9	64	-18.1
(Fc-IF)	Hor	42.3	4.0	27.3	33.8	39.8	64	-24.2
2462	Vert		3.8	28.2				
(Fc)	Hor		3.8	28.2				
2816	Vert	53.4	4.4	29.6	32.7	54.7	64	-9.3
(Fc+IF)	Hor	44.7	4.4	29.6	32.7	46.0	64	-18.0
3518	Vert	37.7	3.6	30.8	32.7	39.4	64	-24.6
(Fc+IF*3)	Hor	38.5	3.6	30.8	32.7	40.2	64	-23.8
4924	Vert	60.0	4.4	32.9	32.7	64.6	64	0.6
(Fc * 2)	Hor	55.0	4.4	32.9	32.7	59.6	64	-4.4
7386	Vert	35.3	5.9	37.4	33.3	45.3	64	-18.7
(Fc * 3)	Hor	51.0	5.9	37.4	33.3	61.0	64	-3.0
9848	Vert	34.6	6.0	37.8	33.3	45.1	64	-18.9
(Fc * 4)	Hor	33.7	6.0	37.8	33.3	44.2	64	-19.8
12310	Vert	29.9	7.2	39.3	32.2	44.2	64	-19.8
(Fc * 5)	Hor	30.3	7.2	39.3	32.2	44.6	64	-19.4
14772	Vert	31.4	9.2	40.2	31.6	49.2	64	-14.8
(Fc * 6)	Hor	31.5	9.2	40.2	31.6	49.3	64	-14.7
17234	Vert	31.7	10.9	43.4	31.0	55.0	64	-9.0
(Fc * 7)	Hor	31.5	10.9	43.4	31.0	54.8	64	-9.2
19696	Vert	39.9	1.8	44.0	31.4	54.3	64	-9.7
(Fc * 8)	Hor	39.6	1.8	44.0	31.4	54.0	64	-10.0
22158	Vert	38.2	1.2	45.0	30.4	54.0	64	-10.0
(Fc * 9)	Hor	38.4	1.2	45.0	30.4	54.2	64	-9.8
24620	Vert	38.6	1.7	45.9	31.5	54.7	64	-9.3
(Fc * 10)	Hor	39.0	1.7	45.9	31.5	55.1	64	-8.9

AVERAGE TRANSMITTER RADIATED SPURIOUS EMISSIONS

FCC ID: EHA2126

Intermec Technologies Corporation

Product: Intermec DSSS Type II Radio, Approval

Norand Mobile Systems Division

Set Up: Mobile Mark 9 dBi Omni, radio tested as module HORIZONTAL

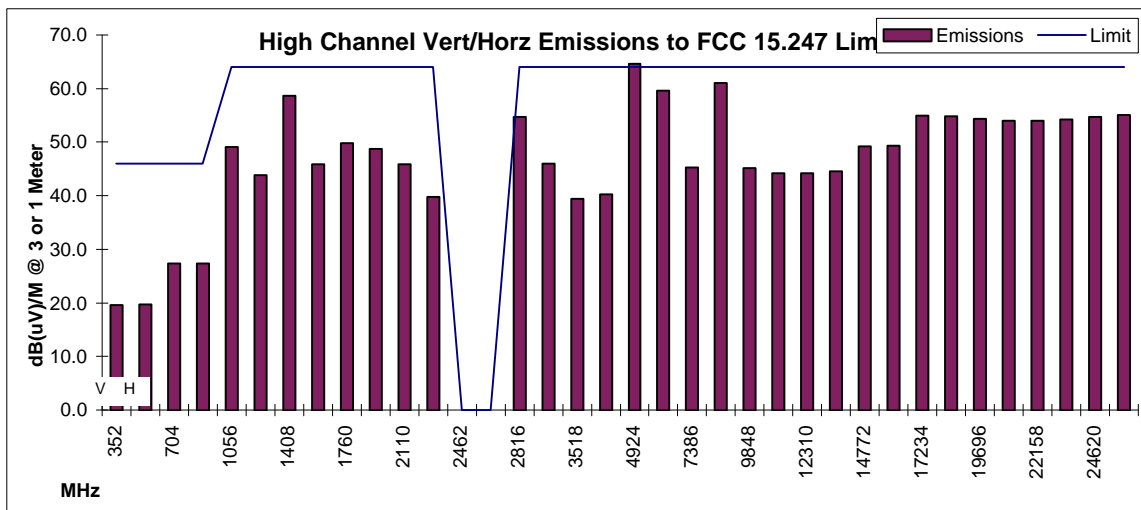
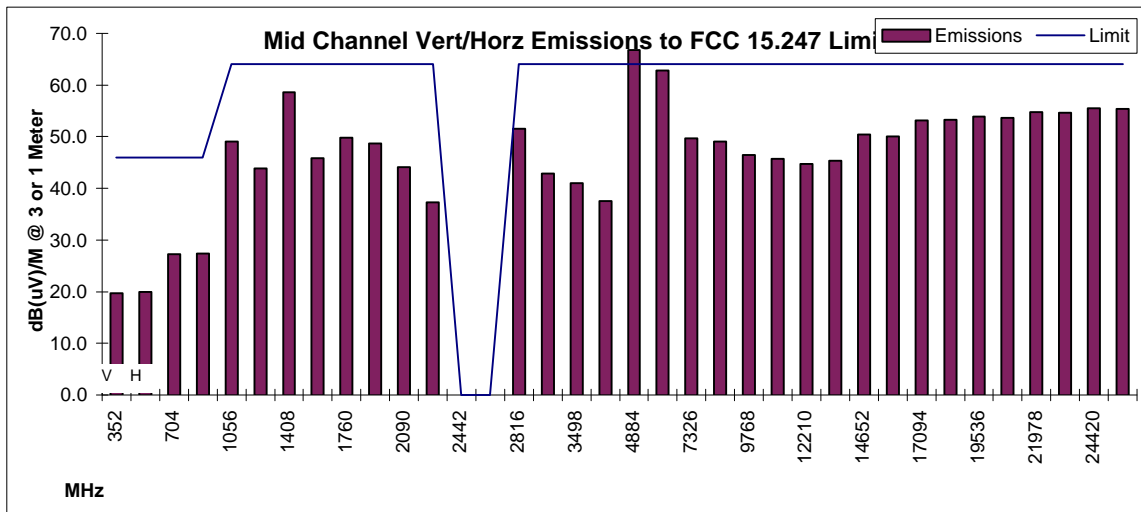
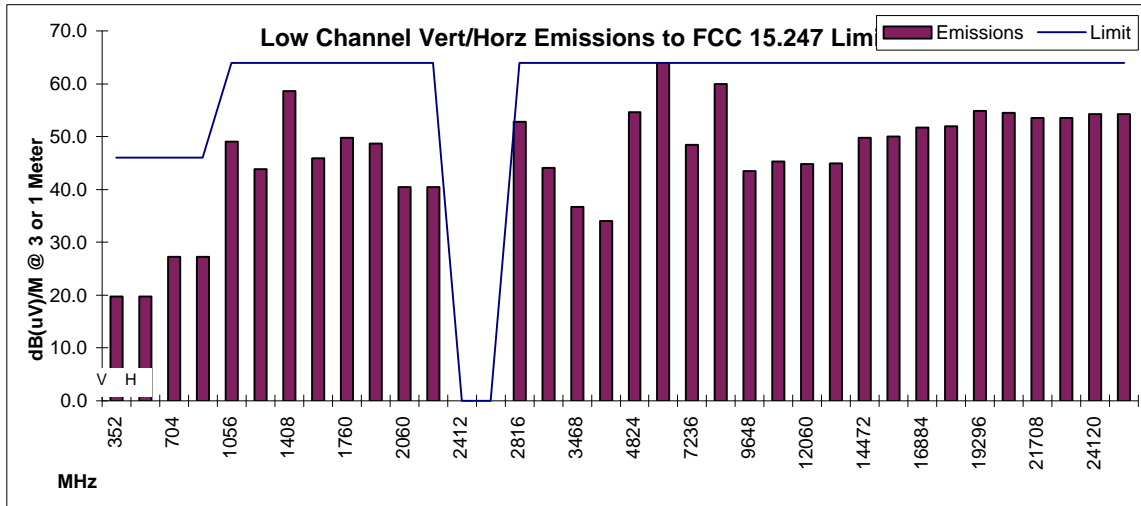
EMC Test Laboratory

Test Date (mm/dd/yy): 10/23/98

Standard: FCC 15.247

Measurement System Calibration Date: 3/2/98

Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz



PEAK TRANSMITTER RADIATED SPURIOUS EMISSIONS

FCC ID: EHA2126

Intermec Technologies Corporation

Product: Intermec DSSS Type II Radio, Approval

Norand Mobile Systems Division

Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL

EMC Test Laboratory

Test Date (mm/dd/yy): 10/23/98

Standard: FCC 15.247

Measurement System Calibration Date: 3/2/98

Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 1 MHz

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	H.P.filter + Cable Loss (dB)	Antenna Correction Factor dB/M	Amplifier Gain (dB)	Calculated Result dB(uV)/M	PEAK Limit @ 3 Meters < 1 GHz, 1 Meter > 1 GHz dB(uV)/Meter	Margin (dB)
a	b	c	d	e	f	g	h	i
(formula)						(=c+d+e-f)		(=g-h)
Low Channel 01	2412.000	MHz						
352	Vert	3.0	1.7	15.0		19.7	46	-26.3
(IF)	Hor	3.1	1.7	15.0		19.8	46	-26.2
704	Vert	3.6	2.8	20.9		27.3	46	-18.7
(IF * 2)	Hor	3.6	2.8	20.9		27.3	46	-18.7
1056	Vert	30.8	1.7	23.1		55.6	84	-28.4
(IF * 3)	Hor	27.9	1.7	23.1		52.7	84	-31.3
1408	Vert	35.3	1.9	24.3		61.5	84	-22.5
(IF * 4)	Hor	29.1	1.9	24.3		55.3	84	-28.7
1760	Vert	29.6	4.3	25.8		59.7	84	-24.3
(IF * 5)	Hor	28.3	4.3	25.8		58.4	84	-25.6
2060	Vert	47.1	4.2	27.1	33.7	44.7	84	-39.3
(Fc-IF)	Hor	47.0	4.2	27.1	33.7	44.6	84	-39.4
2412	Vert		4.0	28.0				
(Fc)	Hor		4.0	28.0				
2816	Vert	54.7	4.2	29.3	32.9	55.3	84	-28.7
(IF*8)	Hor	48.5	4.2	29.3	32.9	49.1	84	-34.9
3468	Vert	44.5	3.8	30.6	32.9	46.0	84	-38.0
(Fc+IF*3)	Hor	42.9	3.8	30.6	32.9	44.4	84	-39.6
4824	Vert	53.5	4.8	32.8	32.9	58.2	84	-25.8
(Fc * 2)	Hor	62.4	4.8	32.8	32.9	67.1	84	-16.9
7236	Vert	45.5	6.3	36.8	33.3	55.3	84	-28.7
(Fc * 3)	Hor	54.1	6.3	36.8	33.3	63.9	84	-20.1
9648	Vert	42.4	7.1	37.4	33.5	53.4	84	-30.6
(Fc * 4)	Hor	43.2	7.1	37.4	33.5	54.2	84	-29.8
12060	Vert	41.3	7.9	39.1	32.4	55.9	84	-28.1
(Fc * 5)	Hor	41.4	7.9	39.1	32.4	56.0	84	-28.0
14472	Vert	42.3	8.8	40.8	31.3	60.6	84	-23.4
(Fc * 6)	Hor	42.5	8.8	40.8	31.3	60.8	84	-23.2
16884	Vert	41.8	11.1	40.3	31.1	62.1	84	-21.9
(Fc * 7)	Hor	42.3	11.1	40.3	31.1	62.6	84	-21.4
19296	Vert	50.7	1.9	44.2	31.1	65.7	84	-18.3
(Fc * 8)	Hor	50.6	1.9	44.2	31.1	65.6	84	-18.4
21708	Vert	49.6	1.4	44.3	30.5	64.8	84	-19.2
(Fc * 9)	Hor	49.7	1.4	44.3	30.5	64.9	84	-19.1
24120	Vert	50.1	1.1	45.1	30.8	65.5	84	-18.5
(Fc * 10)	Hor	50.0	1.1	45.1	30.8	65.4	84	-18.6

PEAK TRANSMITTER RADIATED SPURIOUS EMISSIONS

FCC ID: EHA2126

Intermec Technologies Corporation

Product: Intermec DSSS Type II Radio, Approval

Norand Mobile Systems Division

Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL

EMC Test Laboratory

Test Date (mm/dd/yy): 10/23/98

Standard: FCC 15.247

Measurement System Calibration Date: 3/2/98

Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 1 MHz

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	H.P.filter + Cable Loss (dB)	Antenna Correction Factor dB/M	Amplifier Gain (dB)	Calculated Result dB(uV)/M	PEAK Limit @ 3 Meters < 1 GHz, 1 Meter > 1 GHz dB(uV)/Meter	Margin (dB)
a	b	c	d	e	f	g	h	i
(formula)						(=c+d+e-f)		(=g-h)
Middle Channel 7	2442.000	MHz						
352	Vert	3.0	1.7	15.0		19.7	46	-26.3
(IF)	Hor	3.2	1.7	15.0		19.9	46	-26.1
704	Vert	3.6	2.8	20.9		27.3	46	-18.7
(IF * 2)	Hor	3.7	2.8	20.9		27.4	46	-18.6
1056	Vert	30.8	1.7	23.1		55.6	84	-28.4
(IF * 3)	Hor	27.9	1.7	23.1		52.7	84	-31.3
1408	Vert	35.3	1.9	24.3		61.5	84	-22.5
(IF * 4)	Hor	29.1	1.9	24.3		55.3	84	-28.7
1760	Vert	29.6	4.3	25.8		59.7	84	-24.3
(IF * 5)	Hor	28.3	4.3	25.8		58.4	84	-25.6
2090	Vert	49.3	4.0	27.2	33.7	46.8	84	-37.2
(Fc-IF)	Hor	46.0	4.0	27.2	33.7	43.5	84	-40.5
2442	Vert		3.9	28.1				
(Fc)	Hor		3.9	28.1				
2816	Vert	52.4	4.3	29.5	32.9	53.3	84	-30.7
(IF*8)	Hor	46.6	4.3	29.5	32.9	47.5	84	-36.5
3498	Vert	45.2	3.7	30.7	32.9	46.7	84	-37.3
(Fc+IF*3)	Hor	43.0	3.7	30.7	32.9	44.5	84	-39.5
4884	Vert	65.4	4.7	32.9	32.9	70.1	84	-13.9
(Fc * 2)	Hor	61.1	4.7	32.9	32.9	65.8	84	-18.2
7326	Vert	46.5	6.0	37.2	33.3	56.4	84	-27.6
(Fc * 3)	Hor	45.2	6.0	37.2	33.3	55.1	84	-28.9
9768	Vert	42.8	6.7	37.6	33.4	53.7	84	-30.3
(Fc * 4)	Hor	42.4	6.7	37.6	33.4	53.3	84	-30.7
12210	Vert	41.7	7.8	39.2	32.4	56.3	84	-27.7
(Fc * 5)	Hor	41.6	7.8	39.2	32.4	56.2	84	-27.8
14652	Vert	43.2	9.0	40.5	31.4	61.3	84	-22.7
(Fc * 6)	Hor	41.9	9.0	40.5	31.4	60.0	84	-24.0
17094	Vert	41.8	11.4	41.5	31.1	63.6	84	-20.4
(Fc * 7)	Hor	42.8	11.4	41.5	31.1	64.6	84	-19.4
19536	Vert	50.8	1.4	44.0	31.3	64.9	84	-19.1
(Fc * 8)	Hor	50.7	1.4	44.0	31.3	64.8	84	-19.2
21978	Vert	49.5	2.0	44.7	30.4	65.8	84	-18.2
(Fc * 9)	Hor	49.7	2.0	44.7	30.4	66.0	84	-18.0
24420	Vert	50.0	2.3	45.6	31.3	66.6	84	-17.4
(Fc * 10)	Hor	50.0	2.3	45.6	31.3	66.6	84	-17.4

PEAK TRANSMITTER RADIATED SPURIOUS EMISSIONS

FCC ID: EHA2126

Intermec Technologies Corporation

Product: Intermec DSSS Type II Radio, Approval

Norand Mobile Systems Division

Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL

EMC Test Laboratory

Test Date (mm/dd/yy): 10/23/98

Standard: FCC 15.247

Measurement System Calibration Date: 3/2/98

Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 1 MHz

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	H.P.filter + Cable Loss (dB)	Antenna Correction Factor dB/M	Amplifier Gain (dB)	Calculated Result dB(uV)/M	PEAK Limit @ 3 Meters < 1 GHz, 1 Meter > 1 GHz dB(uV)/Meter	Margin (dB)
a	b	c	d	e	f	g	h	i
(formula)						(=c+d+e-f)		(=g-h)
High Channel 11	2462.000	MHz						
352	Vert	2.9	1.7	15.0		19.6	46	-26.4
(IF)	Hor	3.0	1.7	15.0		19.7	46	-26.3
704	Vert	3.7	2.8	20.9		27.4	46	-18.6
(IF * 2)	Hor	3.6	2.8	20.9		27.3	46	-18.7
1056	Vert	30.8	1.7	23.1		55.6	84	-28.4
(IF * 3)	Hor	27.9	1.7	23.1		52.7	84	-31.3
1408	Vert	35.3	1.9	24.3		61.5	84	-22.5
(IF * 4)	Hor	29.1	1.9	24.3		55.3	84	-28.7
1760	Vert	29.6	4.3	25.8		59.7	84	-24.3
(IF * 5)	Hor	28.3	4.3	25.8		58.4	84	-25.6
2110	Vert	50.7	4.0	27.3	33.8	48.2	84	-35.8
(Fc-IF)	Hor	47.1	4.0	27.3	33.8	44.6	84	-39.4
2462	Vert		3.8	28.2				
(Fc)	Hor		3.8	28.2				
2816	Vert	55.4	4.4	29.6	32.7	56.7	84	-27.3
(Fc+IF)	Hor	48.7	4.4	29.6	32.7	50.0	84	-34.0
3518	Vert	44.2	3.6	30.8	32.7	45.9	84	-38.1
(Fc+IF*3)	Hor	45.0	3.6	30.8	32.7	46.7	84	-37.3
4924	Vert	63.1	4.4	32.9	32.7	67.7	84	-16.3
(Fc * 2)	Hor	57.8	4.4	32.9	32.7	62.4	84	-21.6
7386	Vert	44.0	5.9	37.4	33.3	54.0	84	-30.0
(Fc * 3)	Hor	55.2	5.9	37.4	33.3	65.2	84	-18.8
9848	Vert	42.7	6.0	37.8	33.3	53.2	84	-30.8
(Fc * 4)	Hor	43.3	6.0	37.8	33.3	53.8	84	-30.2
12310	Vert	40.1	7.2	39.3	32.2	54.4	84	-29.6
(Fc * 5)	Hor	41.8	7.2	39.3	32.2	56.1	84	-27.9
14772	Vert	42.6	9.2	40.2	31.6	60.4	84	-23.6
(Fc * 6)	Hor	41.8	9.2	40.2	31.6	59.6	84	-24.4
17234	Vert	42.3	10.9	43.4	31.0	65.6	84	-18.4
(Fc * 7)	Hor	42.1	10.9	43.4	31.0	65.4	84	-18.6
19696	Vert	50.9	1.8	44.0	31.4	65.3	84	-18.7
(Fc * 8)	Hor	50.8	1.8	44.0	31.4	65.2	84	-18.8
22158	Vert	49.6	1.2	45.0	30.4	65.4	84	-18.6
(Fc * 9)	Hor	49.0	1.2	45.0	30.4	64.8	84	-19.2
24620	Vert	50.1	1.7	45.9	31.5	66.2	84	-17.8
(Fc * 10)	Hor	49.9	1.7	45.9	31.5	66.0	84	-18.0

PEAK TRANSMITTER RADIATED SPURIOUS EMISSIONS

FCC ID: EHA2126

Intermec Technologies Corporation

Product: Intermec DSSS Type II Radio, Approval

Norand Mobile Systems Division

Set Up: Mobile Mark 9 dBi Omni, radio tested as module HORIZONTAL

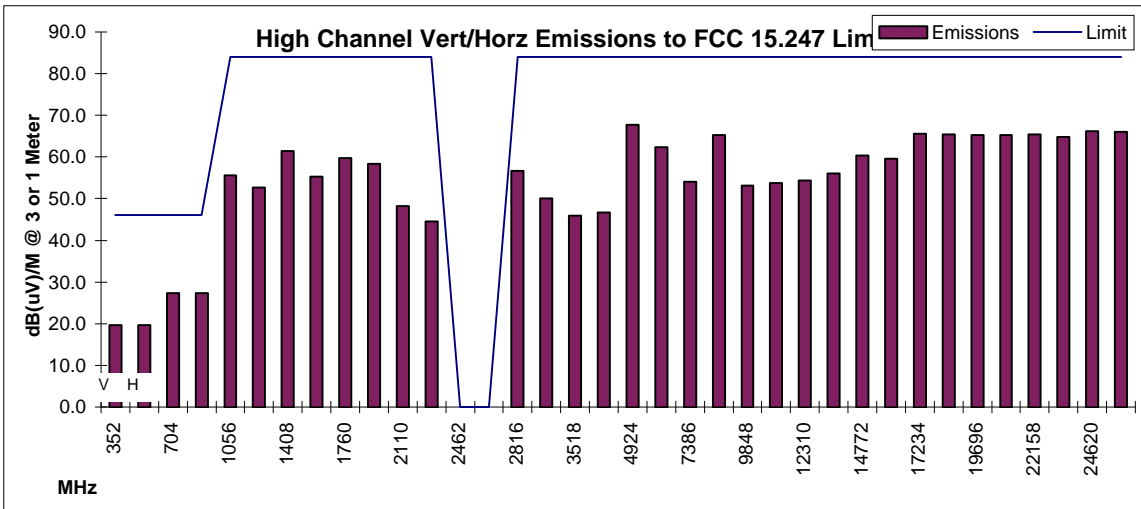
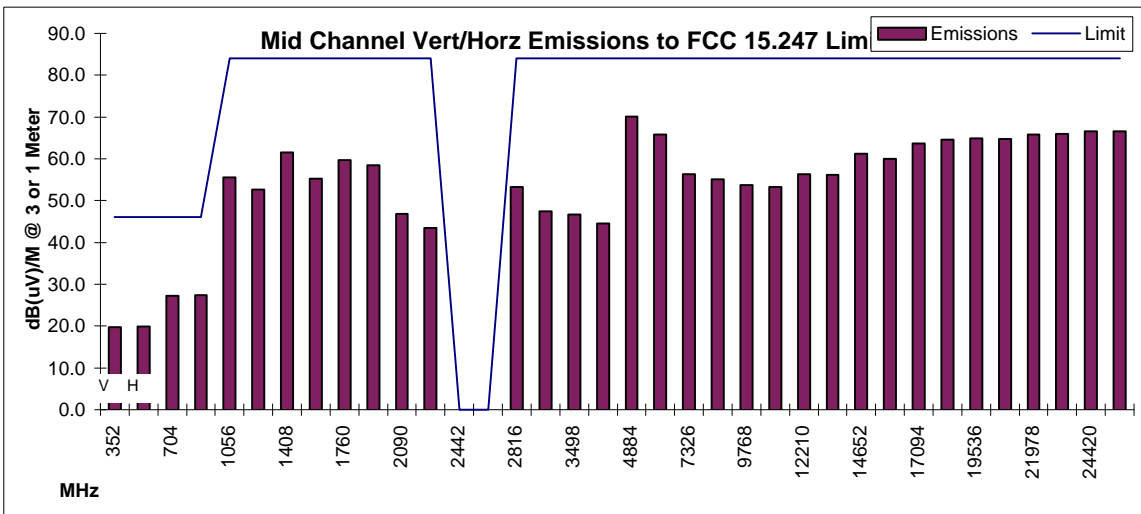
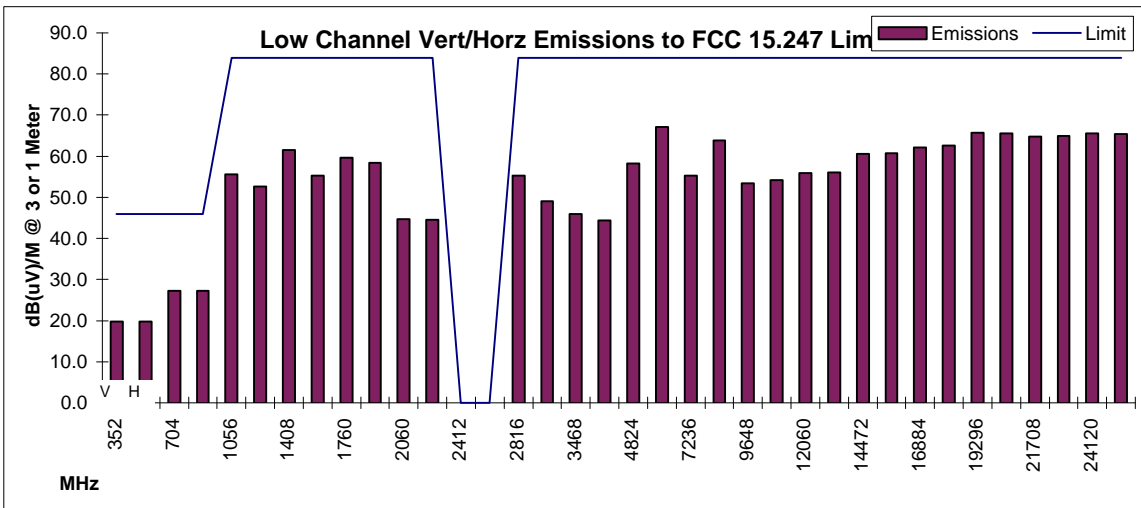
EMC Test Laboratory

Test Date (mm/dd/yy): 10/23/98

Standard: FCC 15.247

Measurement System Calibration Date: 3/2/98

Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 1 MHz



RECEIVER RADIATED SPURIOUS EMISSIONS

Average Emissions Data Compared to Average Emissions Limit

FCC ID: EHA2126

Product: Intermec DSSS Type II Radio, Approval
 Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL
 Test Date (mm/dd/yy): 10/23/98
 Measurement System Calibration Date: 3/2/98

Intermec Technologies Corporation
 Norand Mobile Systems Division
 EMC Test Laboratory

Standard: Canada RSS-210/GL-36
 Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	H.P.filter + Cable Loss (dB)	Antenna Correction Factor dB/M	Amplifier Gain (dB)	Calculated Result dB(uV)/M	AVERAGE Limit @ 1 Meter dB(uV)/Meter	Margin (dB)
a	b	c	d	e	f	g	h	i
(formula)						(=c+d+e-f)		(=g-h)
Low Channel 01		2412	MHz					
2060	Vert	41.3	3.1	27.1	33.6	37.9	64	-26.1
(Lo)	Hor	43.3	3.1	27.1	33.6	39.9	64	-24.1
4120	Vert	44.4	3.9	32.6	33.2	47.7	64	-16.3
(Lo * 2)	Hor	46.5	3.9	32.6	33.2	49.8	64	-14.2
6180	Vert	31.5	5.6	34.5	33.0	38.6	64	-25.4
(Lo * 3)	Hor	31.2	5.6	34.5	33.0	38.3	64	-25.7
8240	Vert	34.3	6.2	37.3	33.3	44.5	64	-19.5
(Lo * 4)	Hor	33.0	6.2	37.3	33.3	43.2	64	-20.8
10300	Vert	30.7	6.8	38.3	32.9	42.9	64	-21.1
(Lo * 5)	Hor	30.8	6.8	38.3	32.9	43.0	64	-21.0
12360	Vert	30.5	7.9	39.2	32.3	45.3	64	-18.7
(Lo * 6)	Hor	30.6	7.9	39.2	32.3	45.4	64	-18.6

Middle Channel 7		2442	MHz					
2090	Vert	41.2	3.0	27.2	33.6	37.8	64	-26.2
(Lo)	Hor	42.0	3.0	27.2	33.6	38.6	64	-25.4
4180	Vert	46.4	4.2	32.5	33.2	49.9	64	-14.1
(Lo * 2)	Hor	47.1	4.2	32.5	33.2	50.6	64	-13.4
6270	Vert	30.5	5.9	34.4	33.0	37.8	64	-26.2
(Lo * 3)	Hor	30.4	5.9	34.4	33.0	37.7	64	-26.3
8360	Vert	35.7	6.4	37.4	33.4	46.1	64	-17.9
(Lo * 4)	Hor	33.5	6.4	37.4	33.4	43.9	64	-20.1
10450	Vert	30.5	6.9	38.5	32.9	43.0	64	-21.0
(Lo * 5)	Hor	30.4	6.9	38.5	32.9	42.9	64	-21.1
12540	Vert	31.7	8.1	39.4	32.1	47.1	64	-16.9
(Lo * 6)	Hor	31.8	8.1	39.4	32.1	47.2	64	-16.8

High Channel 11		2462	MHz					
2110	Vert	42.6	3.0	27.3	33.6	39.3	64	-24.7
(Lo)	Hor	39.5	3.0	27.3	33.6	36.2	64	-27.8
4220	Vert	47.0	4.2	32.5	33.2	50.5	64	-13.5
(Lo * 2)	Hor	46.3	4.2	32.5	33.2	49.8	64	-14.2
6330	Vert	30.7	6.0	34.3	33.1	37.9	64	-26.1
(Lo * 3)	Hor	30.8	6.0	34.3	33.1	38.0	64	-26.0
8440	Vert	35.4	6.7	37.5	33.5	46.1	64	-17.9
(Lo * 4)	Hor	35.5	6.7	37.5	33.5	46.2	64	-17.8
10550	Vert	29.7	7.2	38.5	32.8	42.6	64	-21.4
(Lo * 5)	Hor	29.7	7.2	38.5	32.8	42.6	64	-21.4
12660	Vert	31.4	8.1	39.7	31.5	47.7	64	-16.3
(Lo * 6)	Hor	31.5	8.1	39.7	31.5	47.8	64	-16.2

RECEIVER RADIATED SPURIOUS EMISSIONS

Average Emissions Data Compared to Average Emissions Limit

FCC ID: EHA2126

Product: Intermec DSSS Type II Radio, Approval

Set Up: Mobile Mark 9 dBi Omni, radio tested as module HORIZONTAL

Test Date (mm/dd/yy): 10/23/98

Measurement System Calibration Date: 3/2/98

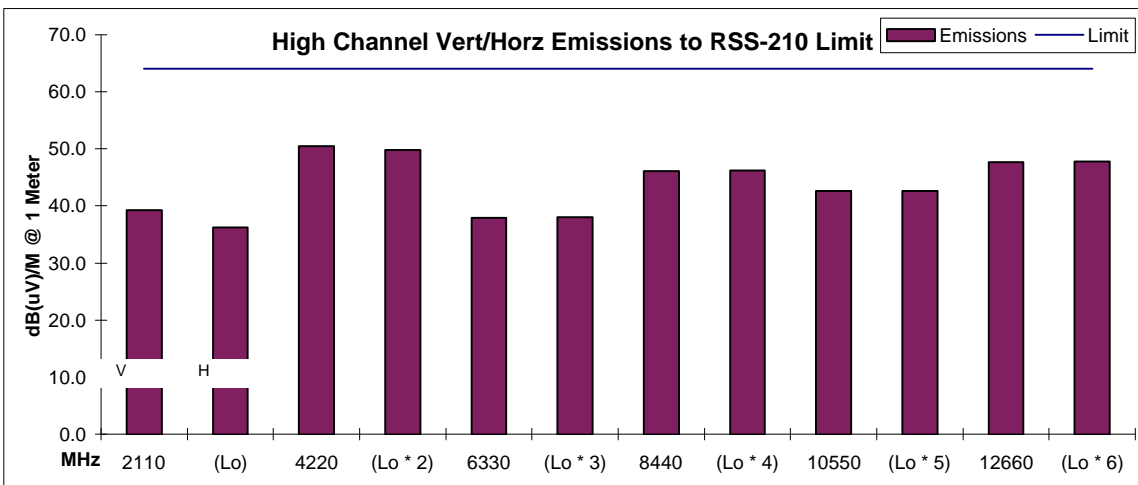
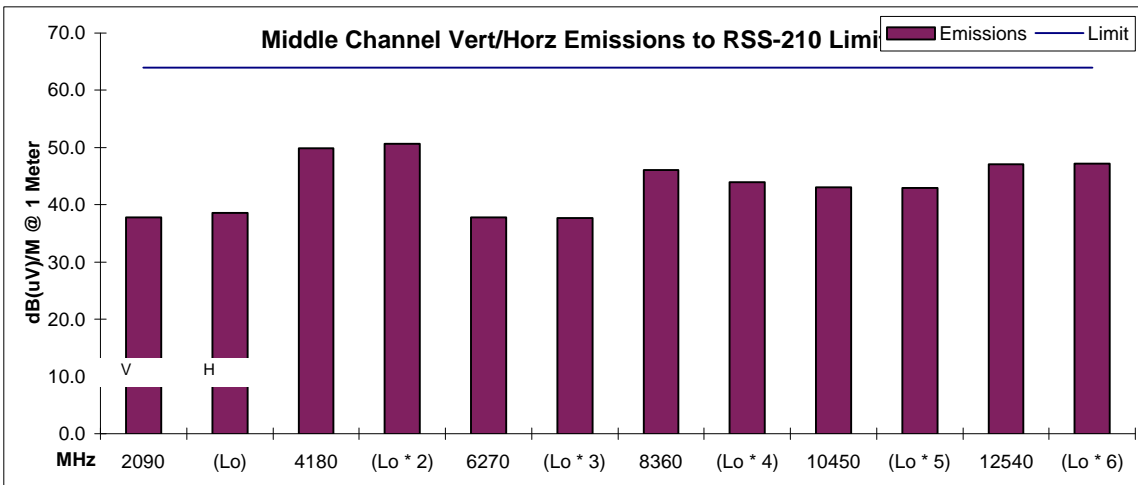
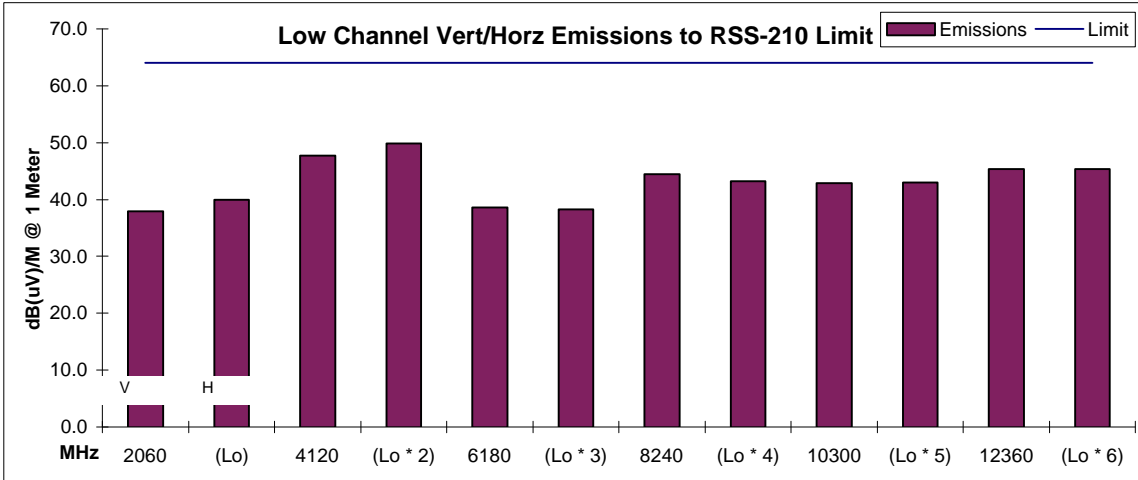
Intermec Technologies Corporation

Norand Mobile Systems Division

EMC Test Laboratory

Standard: Canada RSS-210/GL-36

Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz



TRANSMITTER RADIATED SPURIOUS EMISSIONS

Product: Intermec DSSS Type II Radio, Approval
 Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL
 Test Date (mm/dd/yy): 10/23/98
 Measurement System Calibration Date: 2/26/98
 Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz

Intermec Technologies Corporation
 Norand Mobile Systems Division
 EMC Test Laboratory

Standard: ETS 300-328

Data recorded here is based upon FCC data sheets within this file

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	Spur Meas. (dBm)	Generator 0 dBm Ref. Level	Calculated Generator Substitution (dBm)	Antenna Comp (dB)	Cable Comp (dB)	Generator Reference at Antenna (dBm)	Spec Limit (dBm)	Margin (dB)
a	b	c	d	e	f	g	h	i	j	k
(formula)			(=c-107)		(=d-e)			(=f-g+h)		(=i-j)
Low Channel 01	2412	MHz								
352	Vert	3.0	-104.0	-27.4	-76.6		0.6	-77.2	-36	-41.2
(IF)	Hor	3.1	-103.9	-24.0	-79.9		0.6	-80.5	-36	-44.5
704	Vert	3.6	-103.4	-35.8	-67.6		1.0	-68.6	-36	-32.6
(IF * 2)	Hor	3.6	-103.4	-31.4	-72.0		1.0	-73.0	-36	-37.0
1056	Vert	24.3	-82.7	-26.3	-56.4	4.1	1.4	-53.7	-30	-23.7
(IF * 3)	Hor	19.0	-88.0	-26.1	-61.9	4.1	1.4	-59.2	-30	-29.2
1408	Vert	32.4	-74.6	-26.2	-48.4	6.3	1.7	-43.8	-30	-13.8
(IF * 4)	Hor	19.7	-87.3	-26.9	-60.4	6.3	1.7	-55.8	-30	-25.8
1760	Vert	19.7	-87.3	-30.9	-56.4	6.5	2.0	-51.9	-30	-21.9
(IF * 5)	Hor	18.6	-88.4	-30.9	-57.5	6.5	2.0	-53.0	-30	-23.0
2060	Vert	42.8	-107.0	2.8	-109.8	6.3	2.2	-105.7	-30	-75.7
(Fc-IF)	Hor	42.8	-64.2	2.8	-67.0	6.3	2.2	-62.9	-30	-32.9
2412	Vert		-107.0	-31.2	-75.8	7.4	3.5			
(Fc)	Hor		-107.0	-31.1	-75.9	7.4	3.5			
2816	Vert	53.1	-53.9	0.8	-54.7	6.5	2.6	-50.8	-30	-20.8
(IF*8)	Hor	44.4	-62.6	0.7	-63.3	6.5	2.6	-59.4	-30	-29.4
3468	Vert	36.1	-70.9	-1.2	-69.7	6.9	2.9	-65.7	-30	-35.7
(Fc+IF*3)	Hor	33.4	-73.6	-1.6	-72.0	6.9	2.9	-68.0	-30	-38.0
4824	Vert	49.9	-57.1	-4.9	-52.2	7.3	3.7	-48.6	-30	-18.6
(Fc * 2)	Hor	59.2	-47.8	-5.1	-42.7	7.3	3.7	-39.1	-30	-9.1
7236	Vert	38.6	-68.4	-12.1	-56.3	6.0	3.8	-54.1	-30	-24.1
(Fc * 3)	Hor	50.1	-56.9	-12.1	-44.8	6.0	3.8	-42.6	-30	-12.6
9648	Vert	32.5	-87.3	-15.5	-71.8	7.9	6.2	-70.1	-30	-40.1
(Fc * 4)	Hor	34.3	-72.7	-15.1	-57.6	7.9	6.2	-55.9	-30	-25.9
12060	Vert	30.2	-60.4	-21.4	-39.0	6.5	6.5	-39.0	-30	-9.0
(Fc * 5)	Hor	30.3	-76.7	-21.4	-55.3	6.5	6.5	-55.3	-30	-25.3

TRANSMITTER RADIATED SPURIOUS EMISSIONS

Product: Intermec DSSS Type II Radio, Approval
 Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL
 Test Date (mm/dd/yy): 10/23/98
 Measurement System Calibration Date: 2/26/98
 Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz

Intermec Technologies Corporation
 Norand Mobile Systems Division
 EMC Test Laboratory

Standard: ETS 300-328

Data recorded here is based upon FCC data sheets within this file

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	Spur Meas. (dBm)	Generator 0 dBm Ref. Level	Calculated Generator Substitution (dBm)	Antenna Comp (dB)	Cable Comp (dB)	Generator Reference at Antenna (dBm)	Spec Limit (dBm)	Margin (dB)
a	b	c	d	e	f	g	h	i	j	k
(formula)			(=c-107)		(=d-e)			(=f-g+h)		(=i-j)
Middle Channel 7	2442	MHz								
352	Vert	3.0	-104.0	-27.4	-76.6		0.6	-77.2	-36	-41.2
(IF)	Hor	3.2	-103.8	-24.0	-79.8		0.6	-80.4	-36	-44.4
704	Vert	3.6	-103.4	-35.8	-67.6		1.0	-68.6	-36	-32.6
(IF * 2)	Hor	3.7	-103.3	-31.4	-71.9		1.0	-72.9	-36	-36.9
1056	Vert	24.3	-82.7	-26.3	-56.4	4.1	1.4	-53.7	-30	-23.7
(IF * 3)	Hor	19.0	-88.0	-26.1	-61.9	4.1	1.4	-59.2	-30	-29.2
1408	Vert	32.4	-74.6	-26.2	-48.4	6.3	1.7	-43.8	-30	-13.8
(IF * 4)	Hor	19.7	-87.3	-26.9	-60.4	6.3	1.7	-55.8	-30	-25.8
1760	Vert	19.7	-87.3	-30.9	-56.4	6.5	2.0	-51.9	-30	-21.9
(IF * 5)	Hor	18.6	-88.4	-30.9	-57.5	6.5	2.0	-53.0	-30	-23.0
2090	Vert	46.6	-60.4	3.0	-63.4	6.3	2.2	-59.3	-30	-29.3
(Fc-IF)	Hor	39.8	-67.2	3.0	-70.2	6.3	2.2	-66.1	-30	-36.1
2442	Vert		-107.0	-32.2	-74.8	7.6	3.3			
(Fc)	Hor		-107.0	-32.1	-74.9	7.6	3.3			
2816	Vert	50.7	-56.3	0.7	-57.0	6.5	2.6	-53.1	-30	-23.1
(IF*8)	Hor	42.0	-65.0	0.7	-65.7	6.5	2.6	-61.8	-30	-31.8
3498	Vert	39.5	-67.5	-1.4	-66.1	7.1	2.9	-61.9	-30	-31.9
(Fc+IF*3)	Hor	36.0	-71.0	-1.8	-69.2	7.1	2.9	-65.0	-30	-35.0
4884	Vert	62.1	-44.9	-5.4	-39.5	7.0	5.7	-38.2	-30	-8.2
(Fc * 2)	Hor	58.1	-48.9	-5.2	-43.7	7.0	5.7	-42.4	-30	-12.4
7326	Vert	39.8	-67.2	-11.5	-55.7	7.3	6.8	-55.2	-30	-25.2
(Fc * 3)	Hor	39.1	-67.9	-11.7	-56.2	7.3	6.8	-55.7	-30	-25.7
9768	Vert	35.5	-71.5	-16.4	-55.1	6.0	8.7	-57.8	-30	-27.8
(Fc * 4)	Hor	34.8	-72.2	-16.5	-55.7	6.0	8.7	-58.4	-30	-28.4
12210	Vert	30.1	-76.9	-21.7	-55.2	5.3	9.7	-59.6	-30	-29.6
(Fc * 5)	Hor	30.7	-76.3	-21.6	-54.7	5.3	9.7	-59.1	-30	-29.1

TRANSMITTER RADIATED SPURIOUS EMISSIONS

Product: Intermec DSSS Type II Radio, Approval
 Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL
 Test Date (mm/dd/yy): 10/23/98
 Measurement System Calibration Date: 2/26/98
 Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz

Intermec Technologies Corporation
 Norand Mobile Systems Division
 EMC Test Laboratory

Standard: ETS 300-328

Data recorded here is based upon FCC data sheets within this file

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	Spur Meas. (dBm)	Generator 0 dBm Ref. Level	Calculated Generator Substitution (dBm)	Antenna Comp (dB)	Cable Comp (dB)	Generator Reference at Antenna (dBm)	Spec Limit (dBm)	Margin (dB)
a	b	c	d	e	f	g	h	i	j	k
(formula)			(=c-107)		(=d-e)			(=f-g+h)		(=i-j)
High Channel 11	2462.0	MHz								
352	Vert	2.9	-104.1	-27.4	-76.7		0.6	-77.3	-36	-41.3
(IF)	Hor	3.0	-104.0	-24.0	-80.0		0.6	-80.6	-36	-44.6
704	Vert	3.7	-103.3	-35.8	-67.5		1.0	-68.5	-36	-32.5
(IF * 2)	Hor	3.6	-103.4	-31.4	-72.0		1.0	-73.0	-36	-37.0
1056	Vert	24.3	-82.7	-26.3	-56.4	4.1	1.4	-53.7	-30	-23.7
(IF * 3)	Hor	19.0	-88.0	-26.1	-61.9	4.1	1.4	-59.2	-30	-29.2
1408	Vert	32.4	-74.6	-26.2	-48.4	6.3	1.7	-43.8	-30	-13.8
(IF * 4)	Hor	19.7	-87.3	-26.9	-60.4	6.3	1.7	-55.8	-30	-25.8
1760	Vert	19.7	-87.3	-30.9	-56.4	6.5	2.0	-51.9	-30	-21.9
(IF * 5)	Hor	18.6	-88.4	-30.9	-57.5	6.5	2.0	-53.0	-30	-23.0
2110	Vert	48.4	-58.6	3.1	-61.7	6.2	2.0	-57.5	-30	-27.5
(Fc-IF)	Hor	42.3	-64.7	3.3	-68.0	6.2	2.0	-63.8	-30	-33.8
2462	Vert		-107.0	-31.7	-75.3	7.7	3.6			
(Fc)	Hor		-107.0	-31.6	-75.4	7.7	3.6			
2816	Vert	53.4	-53.6	0.4	-54.0	6.5	2.7	-50.2	-30	-20.2
(Fc+IF)	Hor	44.7	-62.3	0.4	-62.7	6.5	2.7	-58.9	-30	-28.9
3518	Vert	37.7	-69.3	-1.5	-67.8	7.3	2.9	-63.4	-30	-33.4
(Fc+IF*3)	Hor	38.5	-68.5	-1.9	-66.6	7.3	2.9	-62.2	-30	-32.2
4924	Vert	60.0	-47.0	-6.1	-40.9	7.1	5.2	-39.0	-30	-9.0
(Fc * 2)	Hor	55.0	-52.0	-6.3	-45.7	7.1	5.2	-43.8	-30	-13.8
7386	Vert	35.3	-71.7	-11.3	-60.4	7.7	6.7	-59.4	-30	-29.4
(Fc * 3)	Hor	51.0	-56.0	-11.8	-44.2	7.7	6.7	-43.2	-30	-13.2
9848	Vert	34.6	-72.4	-17.2	-55.2	6.2	8.6	-57.6	-30	-27.6
(Fc * 4)	Hor	33.7	-73.3	-17.1	-56.2	6.2	8.6	-58.6	-30	-28.6
12310	Vert	29.9	-77.1	-23.3	-53.8	5.6	9.3	-57.5	-30	-27.5
(Fc * 5)	Hor	30.3	-76.7	-23.1	-53.6	5.6	9.3	-57.3	-30	-27.3

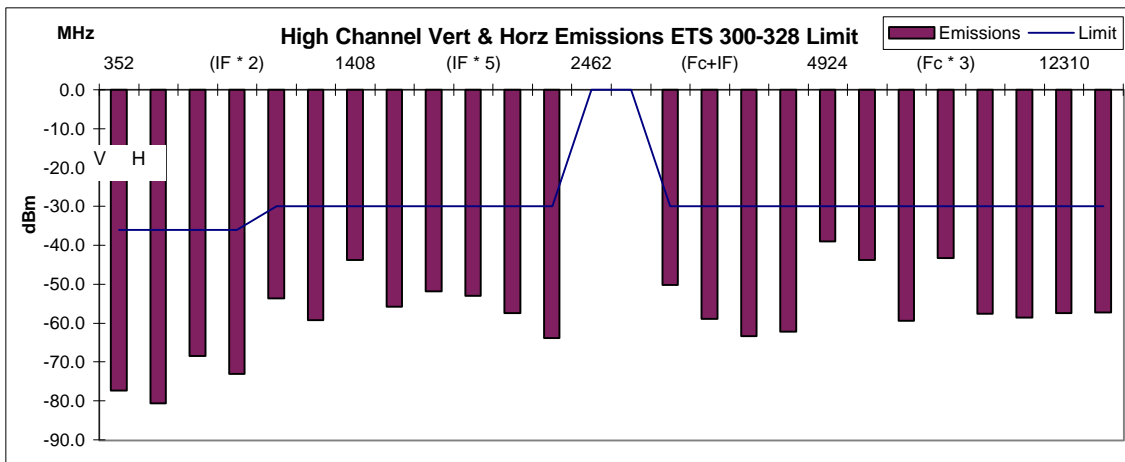
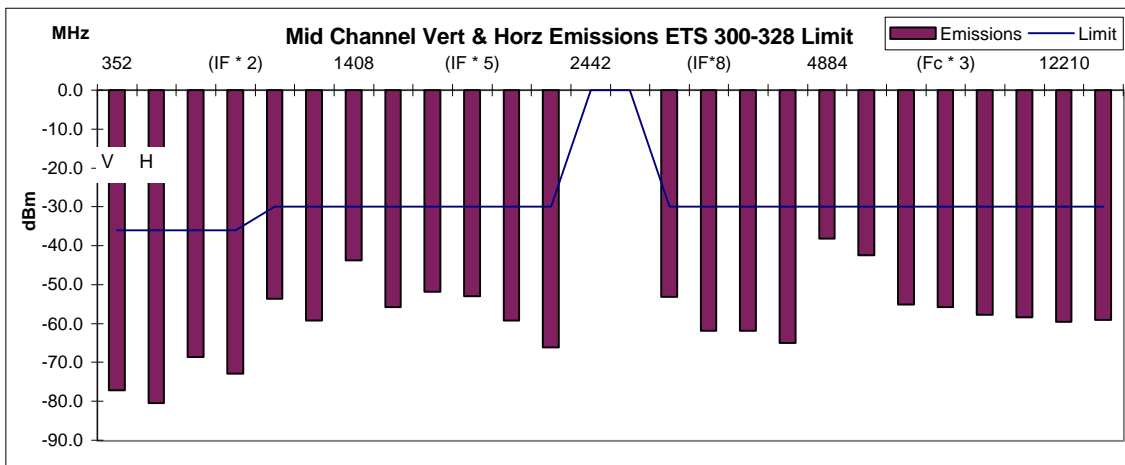
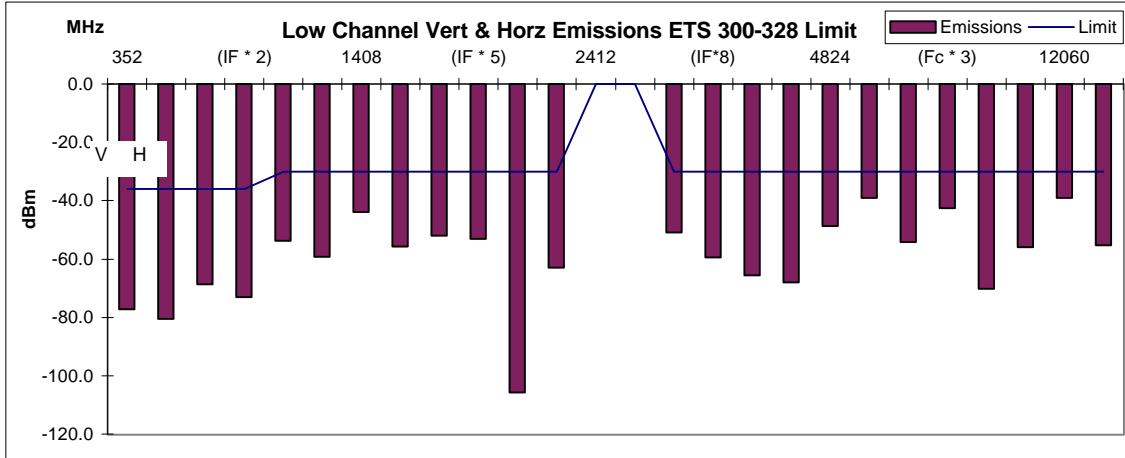
TRANSMITTER RADIATED SPURIOUS EMISSIONS

Product: Intermec DSSS Type II Radio, Approval
 Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL
 Test Date (mm/dd/yy): 10/23/98
 Measurement System Calibration Date: 2/26/98
 Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz

Intermec Technologies Corporation
 Norand Mobile Systems Division
 EMC Test Laboratory

Standard: ETS 300-328

Data recorded here is based upon FCC data sheets within this file



RECEIVER RADIATED SPURIOUS EMISSIONS

Product: Intermec DSSS Type II Radio, Approval
 Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL
 Test Date (mm/dd/yy): 10/23/98
 Measurement System Calibration Date: 2/26/98
 Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz

Intermec Technologies Corporation
 Norand Mobile Systems Division
 EMC Test Laboratory

Standard: ETS 300-328

Data recorded here is based upon FCC data sheets within this file

Frequency (MHz)	Antenna Polarity	Spurious Measure d (uV)	Spur Meas. (dBm)	Generator 0 dBm Ref. Level	Calculated Generator Substitution (dBm)	Antenna Comp (dB)	Cable Comp (dB)	Generator Reference at Antenna (dBm)	Spec Limit (dBm)	Margin (dB)
a	b	c	d	e	f	g	h	i	j	k
(formula)			(=c-107)		(=d-e)			(=f-g+h)		(=i-j)
Low Channel 01		2412	MHz							
2060	Vert	41.3	-65.7	2.8	-68.5	6.3	2.2	-64.4	-47	-17.4
(Lo)	Hor	43.3	-63.7	2.8	-66.5	6.3	2.2	-62.4	-47	-15.4
4120	Vert	44.4	-62.6	-4.0	-58.6	7.4	3.4	-54.6	-47	-7.6
(Lo * 2)	Hor	46.5	-60.5	-4.3	-56.2	7.4	3.4	-52.2	-47	-5.2
6180	Vert	31.5	-75.5	-8.0	-67.5	8.3	3.9	-63.1	-47	-16.1
(Lo * 3)	Hor	31.2	-75.8	-8.3	-67.5	8.3	3.9	-63.1	-47	-16.1
8240	Vert	34.3	-72.7	-13.2	-59.5	8.2	5.0	-56.3	-47	-9.3
(Lo * 4)	Hor	33.0	-74.0	-13.0	-61.0	8.2	5.0	-57.8	-47	-10.8
10300	Vert	30.7	-76.3	-17.4	-58.9	7.2	6.7	-58.4	-47	-11.4
(Lo * 5)	Hor	30.8	-76.2	-16.6	-59.6	7.2	6.7	-59.1	-47	-12.1
12360	Vert	30.5	-76.5	-22.2	-54.3	7.1	6.4	-53.6	-47	-6.6
(Lo * 6)	Hor	30.6	-76.4	-22.5	-53.9	7.1	6.4	-53.2	-47	-6.2

Middle Channel 7		2442	MHz							
2090	Vert	41.2	-65.8	3.0	-68.8	6.3	2.2	-64.7	-47	-17.7
(Lo)	Hor	42.0	-65.0	3.0	-68.0	6.3	2.2	-63.9	-47	-16.9
4180	Vert	46.4	-60.6	-3.8	-56.8	7.3	3.5	-53.0	-47	-6.0
(Lo * 2)	Hor	47.1	-59.9	-4.2	-55.7	7.3	3.5	-51.9	-47	-4.9
6270	Vert	30.5	-76.5	-8.1	-68.4	8.3	3.8	-63.9	-47	-16.9
(Lo * 3)	Hor	30.4	-76.6	-8.3	-68.3	8.3	3.8	-63.8	-47	-16.8
8360	Vert	35.7	-71.3	-13.4	-57.9	8.3	5.2	-54.8	-47	-7.8
(Lo * 4)	Hor	33.5	-73.5	-13.3	-60.2	8.3	5.2	-57.1	-47	-10.1
10450	Vert	30.5	-76.5	-18.8	-57.7	6.7	6.8	-57.8	-47	-10.8
(Lo * 5)	Hor	30.4	-76.6	-18.4	-58.2	6.7	6.8	-58.3	-47	-11.3
12540	Vert	31.7	-75.3	-23.4	-51.9	6.9	6.8	-51.8	-47	-4.8
(Lo * 6)	Hor	31.8	-75.2	-23.8	-51.4	6.9	6.8	-51.3	-47	-4.3

High Channel 11		2462	MHz							
2110	Vert	42.6	-64.4	3.1	-67.5	6.3	2.2	-63.4	-47	-16.4
(Lo)	Hor	39.5	-67.5	3.3	-70.8	6.3	2.2	-66.7	-47	-19.7
4220	Vert	47.0	-60.0	-3.5	-56.5	7.2	3.6	-52.9	-47	-5.9
(Lo * 2)	Hor	46.3	-60.7	-3.8	-56.9	7.2	3.6	-53.3	-47	-6.3
6330	Vert	30.7	-76.3	-8.9	-67.4	8.3	3.6	-62.7	-47	-15.7
(Lo * 3)	Hor	30.8	-76.2	-9.0	-67.2	8.3	3.6	-62.5	-47	-15.5
8440	Vert	35.4	-71.6	-13.0	-58.6	8.3	5.3	-55.6	-47	-8.6
(Lo * 4)	Hor	35.5	-71.5	-13.0	-58.5	8.3	5.3	-55.5	-47	-8.5
10550	Vert	29.7	-77.3	-20.1	-57.2	6.3	6.8	-57.7	-47	-10.7
(Lo * 5)	Hor	29.7	-77.3	-20.6	-56.7	6.3	6.8	-57.2	-47	-10.2
12660	Vert	31.4	-75.6	-24.1	-51.5	5.7	7.1	-52.9	-47	-5.9
(Lo * 6)	Hor	31.5	-75.5	-24.8	-50.7	5.7	7.1	-52.1	-47	-5.1

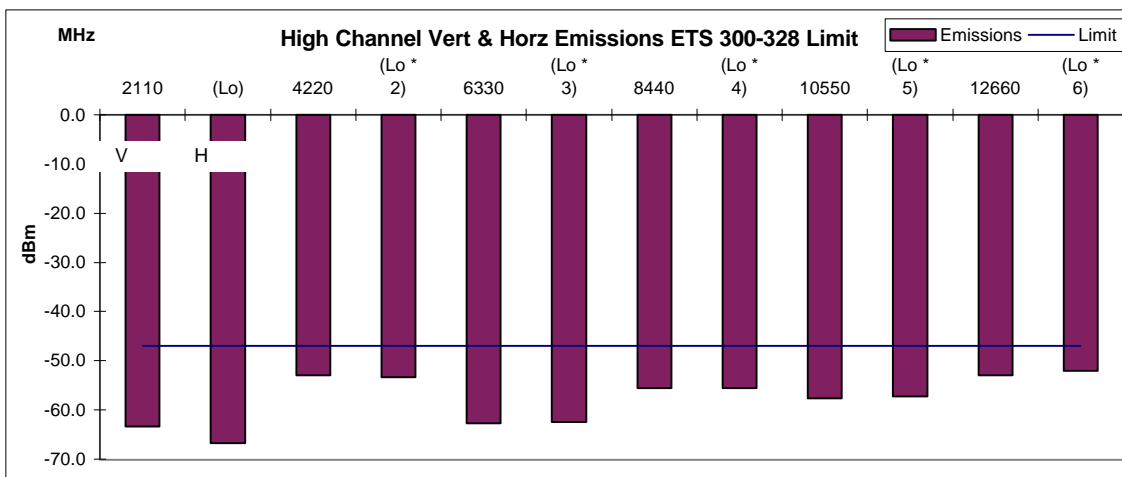
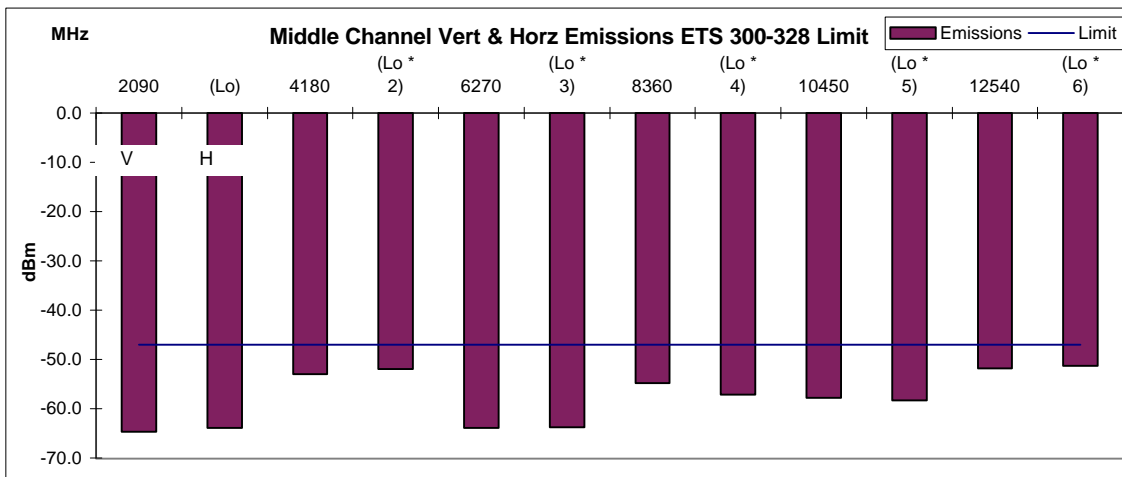
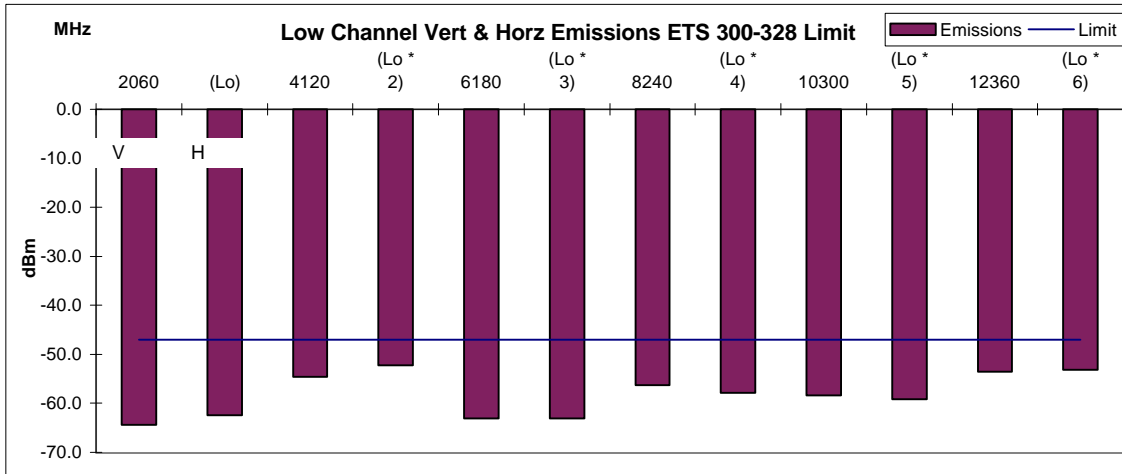
RECEIVER RADIATED SPURIOUS EMISSIONS

Product: Intermec DSSS Type II Radio, Approval
 Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL
 Test Date (mm/dd/yy): 10/23/98
 Measurement System Calibration Date: 2/26/98
 Span 100 MHz, Res. B.W. 1 MHz, Video B.W. 3 kHz

Intermec Technologies Corporation
 Norand Mobile Systems Division
 EMC Test Laboratory

Standard: ETS 300-328

Data recorded here is based upon FCC data sheets within this file



RECEIVER RADIATED SPURIOUS EMISSIONS

Quasi-Peak Emissions Data Compared to Emissions Limit

FCC ID: EHA2126

Intermec Technologies Corporation

Product: Intermec DSSS Type II Radio, Approval

Norand Mobile Systems Division

Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL

EMC Test Laboratory

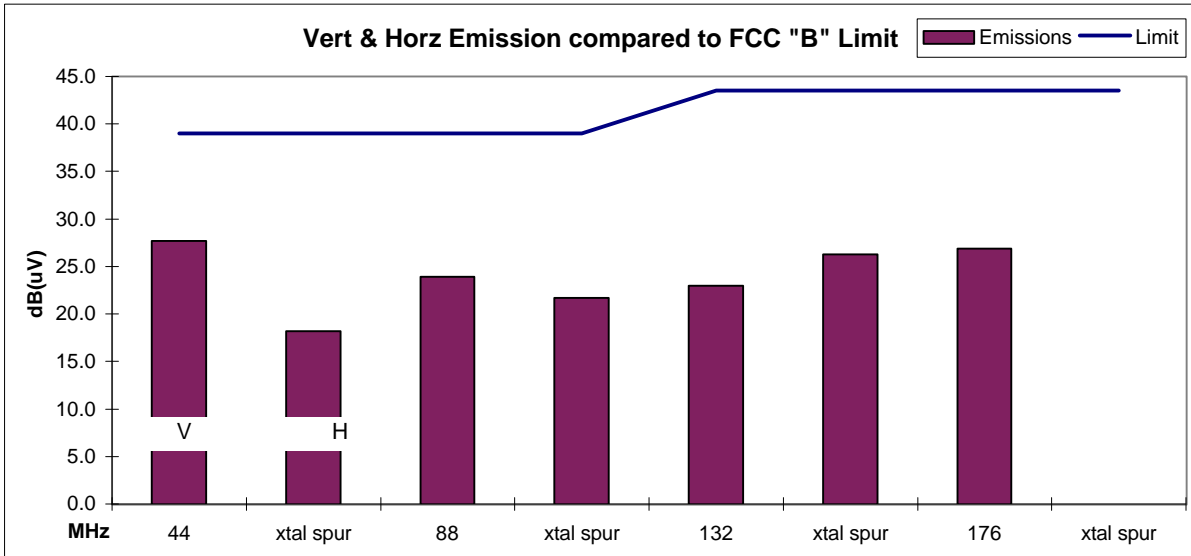
Test Date (mm/dd/yy): 10/23/98

Standard: Canada RSS-210/GL-36

Measurement System Calibration Date: 3/2/98

Quasi-Peak detector 120 kHz BW on ESVP Receiver

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	H.P.filter + Cable Loss (dB)	Antenna Correction Factor dB/M	Amplifier Gain (dB)	Calculated Result dB(uV)/M	Limit @ 3 Meter dB(uV)/Meter	Margin (dB)
a	b	c	d	e	f	g	h	i
(formula)						(=c+d+e-f)		(=g-h)
44	Vert	16.7	0.1	10.9		27.7	39	-11.3
xtal spur	Hor	7.2	0.1	10.9		18.2	39	-20.8
88	Vert	13.5	0.6	9.8		23.9	39	-15.1
xtal spur	Hor	11.3	0.6	9.8		21.7	39	-17.3
132	Vert	10.2	0.8	12.0		23.0	43.5	-20.5
xtal spur	Hor	13.5	0.8	12.0		26.3	43.5	-17.2
176	Vert	12.6	1.0	13.3		26.9	43.5	-16.7
xtal spur	Hor	amb	1.0	13.3			43.5	



RECEIVER RADIATED SPURIOUS EMISSIONS

Quasi-Peak Emissions Data Compared to Emissions Limit

Product: Intermec DSSS Type II Radio, Approval

Set Up: Mobile Mark 9 dBi Omni , radio tested as module HORIZONTAL

Test Date (mm/dd/yy): 10/23/98

Measurement System Calibration Date: 2/26/98

Quasi-Peak detector 120 kHz BW on ESVP Receiver

Intermec Technologies Corporation

Norand Mobile Systems Division

EMC Test Laboratory

Standard: ETS 300-328

Frequency (MHz)	Antenna Polarity	Spurious Measured dB(uV)	Spur Meas. (dBm)	Generator 0 dBm Ref. Level	Calculated Generator Substitution (dBm)	Antenna Comp (dB)	Cable Comp (dB)	Generator Reference at Antenna (dBm)	Spec Limit (dBm)	Margin (dB)
a	b	c	d	e	f	g	h	i	j	k
(formula)			(=c-107)		(=d-e)			(=f-g+h)		(=i-j)
44	Vert	16.7	-90.3	-22.1	-68.2		0.1	-68.3	-57	-11.3
xtal spur	Hor	7.2	-99.8	-22.3	-77.5		0.1	-77.6	-57	-20.6
88	Vert	13.5	-93.5	-22.0	-71.5		0.2	-71.7	-57	-14.7
xtal spur	Hor	11.3	-95.7	-19.3	-76.4		0.2	-76.6	-57	-19.6
132	Vert	10.2	-96.8	-26.1	-70.7		0.3	-71.0	-57	-14.0
xtal spur	Hor	13.5	-93.5	-20.2	-73.3		0.3	-73.6	-57	-16.6
176	Vert	12.6	-94.4	-26.6	-67.8		0.4	-68.2	-57	-11.2
xtal spur	Hor	amb		-21.6			0.4		-57	

