

CONDUCTED EMISSION DATA

Date of Test : JULY 3, 2000 EUT : DVL-3001TX
 Test Mode : Channel 1 Detect Mode : Quasi-Peak

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line1	Line1	
	dB	dB	dBuV	dBuV	dBuV
*0.477	0.06	0.10	27.80	27.96	48.00
0.512	0.06	0.10	27.13	27.29	48.00
0.555	0.07	0.10	26.65	26.82	48.00
0.618	0.07	0.10	27.20	27.37	48.00
0.661	0.08	0.10	25.94	26.12	48.00
0.688	0.08	0.10	24.40	24.58	48.00

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line2	Line2	
	dB	dB	dBuV	dBuV	dBuV
*0.497	0.06	0.10	39.07	39.23	48.00
0.602	0.07	0.10	32.73	32.90	48.00
0.759	0.09	0.10	27.31	27.50	48.00
0.837	0.09	0.10	30.34	30.53	48.00
1.274	0.12	0.11	25.35	25.58	48.00
1.927	0.14	0.13	27.01	27.28	48.00

Remarks :

1. " * " means that this data is the worst emission level.
2. The average measurement was not performed when the peak measured data under the limit of average detection.



CONDUCTED EMISSION DATA

Date of Test : JULY 3, 2000 EUT : DVL-3001TX
 Test Mode : Channel 3 Detect Mode : Quasi-Peak

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line1	Line1	
	dB	dB	dBuV	dBuV	dBuV
*0.454	0.06	0.10	37.55	37.71	48.00
0.497	0.06	0.10	36.32	36.48	48.00
0.544	0.07	0.10	35.55	35.72	48.00
0.641	0.08	0.10	35.44	35.62	48.00
0.712	0.08	0.10	31.59	31.77	48.00
0.739	0.08	0.10	29.36	29.54	48.00

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line2	Line2	
	dB	dB	dBuV	dBuV	dBuV
0.493	0.06	0.10	33.65	33.81	48.00
0.532	0.07	0.10	33.38	33.55	48.00
0.579	0.07	0.10	33.44	33.61	48.00
0.622	0.07	0.10	33.37	33.54	48.00
0.692	0.08	0.10	35.71	35.89	48.00
*0.755	0.09	0.10	36.06	36.25	48.00

Remarks :

1. “ * ” means that this data is the worst emission level.
2. The average measurement was not performed when the peak measured data under the limit of average detection.



CONDUCTED EMISSION DATA

Date of Test : JULY 3, 2000 EUT : DVL-3001TX
 Test Mode : Channel 4 Detect Mode : Quasi-Peak

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line1	Line1	
	dB	dB	dBuV	dBuV	dBuV
*0.489	0.06	0.10	28.40	28.56	48.00
0.552	0.07	0.10	27.55	27.72	48.00
0.591	0.07	0.10	28.14	28.31	48.00
0.614	0.07	0.10	28.06	28.23	48.00
0.665	0.08	0.10	26.38	26.56	48.00
0.708	0.08	0.10	23.52	23.70	48.00

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line2	Line2	
	dB	dB	dBuV	dBuV	dBuV
0.497	0.06	0.10	33.71	33.87	48.00
*0.540	0.07	0.10	41.86	42.03	48.00
0.598	0.07	0.10	41.83	42.00	48.00
0.657	0.08	0.10	37.41	37.59	48.00
0.966	0.10	0.10	24.45	24.65	48.00
1.102	0.11	0.10	24.42	24.63	48.00

Remarks :

1. " * " means that this data is the worst emission level.
2. The average measurement was not performed when the peak measured data under the limit of average detection.

General Radiated Emission Data

Date of Test : JULY 3, 2000 EUT : DVL-3001TX
 Test Mode : Channel 1 Test Site : Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	HORIZONTAL				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg
*49.400	1.08	7.64	26.00	36.60	19.32	20.68	40.00	0	0
88.200	1.24	10.91	26.00	34.60	20.75	22.75	43.50	0	0
96.930	1.28	11.94	26.00	31.00	18.21	25.29	43.50	0	0
109.540	1.33	12.55	26.00	28.80	16.67	26.83	43.50	0	0
115.360	1.35	12.70	26.00	29.60	17.65	25.85	43.50	0	0
125.060	1.39	12.96	26.00	30.60	18.96	24.54	43.50	0	0

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	VERTICAL				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg
*33.880	1.02	14.94	26.00	37.40	27.36	12.64	40.00	0	0
50.370	1.08	8.50	26.00	37.00	20.59	19.41	40.00	0	0
54.250	1.10	8.24	26.00	36.80	20.14	19.86	40.00	0	0
87.230	1.24	10.48	26.00	31.60	17.32	22.68	40.00	0	0
123.120	1.38	11.88	26.00	29.40	16.67	26.83	43.50	0	0
132.820	1.42	11.86	26.00	30.60	17.88	25.62	43.50	0	0

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss



General Radiated Emission Data

Date of Test	:	JULY 3, 2000	EUT	:	DVL-3001TX
Test Mode	:	Channel 3	Test Site	:	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	HORIZONTAL				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg
*49.400	1.08	7.64	26.00	36.40	19.12	20.88	40.00	0	0
53.280	1.10	6.17	26.00	37.60	18.87	21.13	40.00	0	0
88.200	1.24	10.91	26.00	34.20	20.35	23.15	43.50	0	0
96.930	1.28	11.94	26.00	31.40	18.61	24.89	43.50	0	0
115.360	1.35	12.70	26.00	29.40	17.45	26.05	43.50	0	0
125.060	1.39	12.96	26.00	31.00	19.36	24.14	43.50	0	0

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	VERTICAL				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg
*33.880	1.02	14.94	26.00	36.80	26.76	13.24	40.00	0	0
50.370	1.08	8.50	26.00	38.60	22.19	17.81	40.00	0	0
54.250	1.10	8.24	26.00	36.80	20.14	19.86	40.00	0	0
87.230	1.24	10.48	26.00	31.80	17.52	22.48	40.00	0	0
111.480	1.34	12.34	26.00	29.20	16.87	26.63	43.50	0	0
129.910	1.41	11.54	26.00	29.60	16.55	26.95	43.50	0	0

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss



General Radiated Emission Data

Date of Test	JULY 3, 2000	EUT	DVL-3001TX
Test Mode	Channel 4	Test Site	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	HORIZONTAL				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg
*54.250	1.10	6.04	26.00	40.40	21.54	18.46	40.00	0	0
87.230	1.24	10.91	26.00	34.00	20.15	19.85	40.00	0	0
96.930	1.28	11.94	26.00	31.80	19.01	24.49	43.50	0	0
125.060	1.39	12.96	26.00	30.80	19.16	24.34	43.50	0	0
226.910	1.81	10.92	26.00	32.80	19.53	26.47	46.00	0	0
232.730	1.84	11.45	26.00	35.40	22.68	23.32	46.00	0	0

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	VERTICAL				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg
*33.880	1.02	14.94	26.00	35.40	25.36	14.64	40.00	0	0
49.400	1.08	8.47	26.00	37.20	20.75	19.25	40.00	0	0
54.250	1.10	8.24	26.00	37.00	20.34	19.66	40.00	0	0
87.230	1.24	10.48	26.00	32.80	18.52	21.48	40.00	0	0
141.550	1.46	11.50	26.00	29.20	16.16	27.34	43.50	0	0
353.980	2.34	15.39	26.00	29.20	20.93	25.07	46.00	0	0

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss



Fundamental Radiated Emission Data

Date of Test	:	JULY 3, 2000	EUT	:	DVL-3001TX
Test Mode	:	Normal	Test Site	:	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	Horizontal				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector

Channel 1

2409.960	3.84	29.26	34.50	92.52	91.12	22.88	114.00	0	0
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Channel 3

2449.960	3.88	29.35	34.50	91.73	90.45	23.55	114.00	0	0
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Channel 4

2469.920	3.89	29.39	34.50	89.55	88.34	25.66	114.00	0	0
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Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	Vertical				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector

Channel 1

2410.000	3.84	29.26	34.50	82.91	81.51	32.49	114.00	0	0
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Channel 3

2449.980	3.88	29.35	34.50	81.92	80.64	33.36	114.00	0	0
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Channel 4

2469.920	3.89	29.39	34.50	80.27	79.06	34.94	114.00	0	0
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Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss
4. The average measurement was not performed when the peak measured data under the limit of average detection.



Harmonic Radiated Emission Data

Date of Test	:	JULY 3, 2000	EUT	:	DVL-3001TX
Test Mode	:	Channel 1	Test Site	:	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	Horizontal				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector:

4820.040	6.27	33.50	34.47	44.19	49.50	24.50	74.00	0	0
7229.940	8.31	36.22	34.69	43.21	<53.05	20.95	74.00	0	0
9640.160	10.17	37.43	35.17	46.10	<58.52	15.48	74.00	0	0

Average Detector:

9640.190	10.17	37.43	35.17	31.42	<43.84	10.16	54.00	0	0
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Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss
4. The average measurement was not performed when the peak measured data under the limit of average detection.

Harmonic Radiated Emission Data

Date of Test	:	JULY 3, 2000	EUT	:	DVL-3001TX
Test Mode	:	Channel 1	Test Site	:	Open Site 2

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss	Factor		Level	Vertical				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector:

4819.840	6.27	33.50	34.47	47.06	52.37	21.63	74.00	0	0
7229.860	8.31	36.22	34.69	43.21	<53.05	20.95	74.00	0	0
9641.000	10.17	37.43	35.17	45.54	<57.96	16.04	74.00	0	0

Average Detector:

9641.000	10.17	37.43	35.17	35.49	<47.91	6.09	54.00	0	0
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Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. “ * ”, means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss
4. The average measurement was not performed when the peak measured data under the limit of average detection.



Harmonic Radiated Emission Data

Date of Test	: JULY 3, 2000	EUT	: DVL-3001TX
Test Mode	: Channel 3	Test Site	: Open Site 2

Freq.	Cable Loss	Probe Factor	PreAMP dB	Reading Level	Measurement Horizontal	Margin	Limit	Ant	Turn
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector:

4900.180	6.35	33.60	34.48	45.27	50.74	23.26	74.00	0	0
7349.800	8.41	36.34	34.74	45.16	55.16	18.84	74.00	0	0
9799.940	10.29	37.46	35.14	42.77	<55.38	18.62	74.00	0	0

Average Detector:

7350.000	8.41	36.34	34.74	35.24	45.24	8.76	54.00	0	0
9799.940	10.29	37.46	35.14	31.60	<44.21	9.79	54.00	0	0

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss
4. The average measurement was not performed when the peak measured data under the limit of average detection.



Harmonic Radiated Emission Data

Date of Test	:	JULY 3, 2000	EUT	:	DVL-3001TX
Test Mode	:	Channel 3	Test Site	:	Open Site 2

Freq.	Cable Loss	Probe Factor	PreAMP dB	Reading Level	Measurement Vertical	Margin	Limit	Ant	Turn
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector:

4900.100	6.35	33.60	34.48	44.03	49.50	24.50	74.00	0	0
7349.820	8.41	36.34	34.74	44.36	54.36	19.64	74.00	0	0
9799.960	10.29	37.46	35.14	43.09	<55.70	18.30	74.00	0	0

Average Detector:

7350.000	8.41	36.34	34.74	37.17	47.17	6.83	54.00	0	0
9799.450	10.29	37.46	35.14	31.64	<44.25	9.75	54.00	0	0

Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss
4. The average measurement was not performed when the peak measured data under the limit of average detection.



Harmonic Radiated Emission Data

Date of Test	:	JULY 3, 2000	EUT	:	DVL-3001TX
Test Mode	:	Channel 4	Test Site	:	Open Site 2

Freq.	Cable Loss	Probe Factor	PreAMP dB	Reading Level	Measurement Horizontal	Margin	Limit	Ant	Turn
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector:

4940.120	6.38	33.64	34.49	44.45	49.98	24.02	74.00	0	0
7410.040	8.46	36.41	34.76	42.28	<52.38	21.62	74.00	0	0
9879.960	10.34	37.47	35.12	42.59	<55.28	18.72	74.00	0	0

Average Detector:

9879.810	10.34	37.47	35.12	31.49	<44.18	9.82	54.00	0	0
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Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss
4. The average measurement was not performed when the peak measured data under the limit of average detection.



Harmonic Radiated Emission Data

Date of Test	:	JULY 3, 2000	EUT	:	DVL-3001TX
Test Mode	:	Channel 4	Test Site	:	Open Site 2

Freq.	Cable Loss	Probe Factor	PreAMP dB	Reading Level	Measurement Vertical	Margin	Limit	Ant	Turn
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg

Peak Detector:

4939.960	6.38	33.64	34.49	46.33	51.86	22.14	74.00	0	0
7409.880	8.46	36.41	34.76	43.17	53.27	20.73	74.00	0	0
9879.860	10.34	37.47	35.12	42.44	<55.13	18.87	74.00	0	0

Average Detector:

9879.760	10.34	37.47	35.12	31.42	<44.11	9.89	54.00	0	0
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Remarks:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. " * ", means this data is the worst emission level.
3. Emission Level = Reading Level + Antenna Factor + Cable loss
4. The average measurement was not performed when the peak measured data under the limit of average detection.

