Measured Field Strength Data for
Stanley Whistler Receiver Model 3318
FCC ID: HSX100R
Serial # RF01

Frequency MHz	Antenna	Spectrum Analyzer dBm	Conversion Factor dB	Antenna Factor dB	Cable Loss dB	Preamp Gain dB	Field Strength dBuV/m	Field Strength uV/m	Limit uV/m	Result
310	H	-70.95	107	20	2.3	24.5	33.85	49.3	200	Compliant
310	V	-68.01	107	20	2.3	24.5	36.79	69.1	200	Compliant
620	H	-78.02	107	24.6	3.3	23.5	33.38	46.7	200	Compliant
620	V	-80.77	107	24.6	3.3	23.5	30.63	34	200	Compliant
930	H	-76.37	107	29	4.2	23.5	40.33	103.9	200	Compliant
930	V	-73.32	107	29	4.2	23.5	43.38	147.6	200	Compliant
1240	H	<-79	107	26	5	23	<36	<63	500	Compliant
1240	V	<-79	107	26	5	23	<36	<63	500	Compliant
1550	H	<-79.	107	27.7	6	22.5	<39	<89	500	Compliant
1550	V	<-79	107	27.7	6	22.5	<39	<89	500	Compliant
1860	H	<-79	107	29	7	21	<43	<141	500	Compliant
1860	V	<-79	107	29	7	21	<43	<141	500	Compliant

Notes:
1) All test procedures comply with FCC Part 15.31-35.
2) All frequencies between 30 MHz and 2000MHz were searched with the antenna very close to the DUT. Detectable emissions were found only at the above recorded frequencies.
3) All measurements were made at 3 meters.
4) The receiver was put in the "coherent" mode by the application of a CW stabilizing signal.
5) The DUT was tested with all accessories connected.
6) The open field test site used is listed as compliant with Section 2.948 of the FCC rules. The address is shown below.
7) Spectrum analyzer resolution B/W was 100KHz below 1GHz and 1MHz above 1 GHz.
8) Test equipment used:
   Advantest R3261B spectrum analyzer
   Singer Co. dipole set, Empire Model KT-105-D, dipoles DM-105-T2 and DM-105-T3
   AH Systems Model SAS-200/511 log periodic antenna
   Mini-Circuits low noise preamplifier, model ZFL-1000LN, calibrated with HP8752A network analyzer
   RG 214/U cable

Compliance is determined by the following:

Spec. Anal.(dBm) + 107 + Ant. Factor +Cable Loss - Preamp Gain = Field Strength (dBuV/m)
Inverse log (Field Strength (dBuV/m)/20) = Field Strength (uV/m)

Date tested: April 21, 1998

Robert Hair

Robert Hair, Senior Project Engineer

Whistler Auto-Mation Products
22700 Heslip Drive
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Conducted Interferrence Data for
Stanley Whistler Receiver Model 3318
FCC ID: HSX100R
Serial # RF01

Frequency Range MHz	Measured Value uV L1	Measured Value uV L2	Limit uV
0.45 - 5.0	8.7	<8	250
5.0 -10.0	<3.5	<3.5	250
10.0 - 15.0	57	39	250
15.0 - 25.0	19	32	250
25.0 -30.0	<4	6	250

Notes:
1) Test procedures comply with FCC Part 15.31-35.
2) The DUT was tested with all accessories connected.
3) The test facility is listed as compliant with Section 2.948 of the FCC rules. The address is shown below.
4) Test equipment used:
   Advantest R3261B spectrum analyzer
   EMCO model 3725/2 Line Impedance Stabilization Network (2)

Date tested: April 28, 1998

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