

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

Frequency MHz	Antenna	Spectrum Analyzer	Conversion Factor	Antenna Factor	Cable Loss	Preamp Gain	Field Strength	Field Strength	Limit	Result
		dBm	dB	dB	dB	dB	dBuV/m	uV/m		
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
Novi, MI
48375**

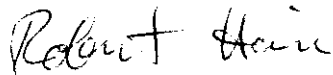
**Conducted Interference Data for
Stanley Whistler Receiver Model 3318
FCC ID: HSX100R
Serial # RF01**

Frequency	Measured	Measured	Limit
Range	Value	Value	uV
MHz	uV	uV	
	L1	L2	
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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