

Intertek Testing Services

Radiated Emissions / Interference

Table: 1

Company: ORION Research, Inc.

Model: TX 232 and RX 232

Job No.: J99000641

Date: 05/13/99

Standard: FCC 15

Class: B

Group: None

Notes:

Tested by: Michael Ogunleye

Location: Site 1

Detector: HP 8546A

Antenna: EMCO BICON 1225

PreAmp: NONE

Cable(s): 1 None

Distance: 3

Signature: _____

Ant. Hight (m)	Ant. Pol. (v h)	Frequency (MHz)	Reading (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Pre-amp Factor (dB)	Distance Factor (dB)	Net dBuV/m	Limit dBuV/m	Margin (dB)	
1	V	32.80	6.7	16.5	0.7	0.0	0.0	23.9	40.0	- 16.1	BB
1	V	52.00	19.5	8.6	1.0	0.0	0.0	29.1	40.0	- 10.9	NB
1	V	54.00	25.8	8.3	1.0	0.0	0.0	35.1	40.0	- 4.9	NB
1	V	58.00	19.3	7.8	1.0	0.0	0.0	28.1	40.0	- 11.9	NB
1	V	80.40	12.7	7.1	1.2	0.0	0.0	21.0	40.0	- 19.0	NB
1	V	97.09	14.2	8.1	1.4	0.0	0.0	23.6	43.5	- 19.9	NB
1	V	120.40	18.4	7.4	1.5	0.0	0.0	27.3	43.5	- 16.2	NB
1	V	127.90	19.7	7.0	1.6	0.0	0.0	28.3	43.5	- 15.2	NB
1	H	185.60	27.4	10.0	1.9	0.0	0.0	39.4	43.5	- 4.1	NB
1	H	188.10	24.7	10.1	2.0	0.0	0.0	36.8	43.5	- 6.7	NB
1	H	189.30	24.5	10.2	2.0	0.0	0.0	36.7	43.5	- 6.8	NB
1	H	193.00	29.1	10.3	2.0	0.0	0.0	41.4	43.5	- 2.1	NB
1	H	200.30	28.9	10.4	2.0	0.0	0.0	41.3	43.5	- 2.2	NB
1	H	202.80	30.3	10.5	2.1	0.0	0.0	42.8	43.5	- 0.7	NB
1	H	207.70	29.3	10.6	2.1	0.0	0.0	42.0	43.5	- 1.5	NB
1	H	220.00	23.3	11.1	2.2	0.0	0.0	36.6	46.0	- 9.4	NB
1	H	224.90	23.2	11.3	2.2	0.0	0.0	36.7	46.0	- 9.3	NB
1	H	233.50	24.4	11.8	2.2	0.0	0.0	38.5	46.0	- 7.5	NB
1	H	240.90	22.4	12.3	2.3	0.0	0.0	37.0	46.0	- 9.0	NB
1	H	267.30	23.4	12.8	2.5	0.0	0.0	38.6	46.0	- 7.4	NB
1	H	280.60	16.1	12.8	2.5	0.0	0.0	31.4	46.0	- 14.6	NB
1	H	300.70	14.5	13.0	2.7	0.0	0.0	30.2	46.0	- 15.8	NB
1	H	334.10	21.3	14.8	2.8	0.0	0.0	39.0	46.0	- 7.0	NB

Intertek Testing Services

Conducted Emissions / Interference

Table: 2

Company: ORION Research, Inc.

Model: TX 232 and RX 232

Job No.: J99000641

Date: 05/13/99

Standard: FCC 15

Class: B Group: None

Notes: RX ON LAPTOP

Tested by: Michael Ogunleye

Location: Site 1

Detector: HP 8546A

Cable(s): 1 None

Frequency (MHz)	Reading Side A (dB)	Reading Side B (dB)	Attenuator Factor (dB)	Qausi-Peak		
				Net (dBuV)	Limit (dBuV)	Margin (dB)
0.462	21.2	21.7	10.0	31.7	48.0	-16.3
0.529	17.6	17.9	10.0	27.9	48.0	-20.1
0.727	17.0	16.9	10.0	27.0	48.0	-21.0
4.493	16.6	18.8	10.0	28.8	48.0	-19.2
20.420	25.8	29.9	10.0	39.9	48.0	-8.1
28.760	20.0	21.0	10.0	31.0	48.0	-17.0