

3.8. Radiated Emission Noise Measurement Results

The frequency spectrum from 30 MHz to 1000MHz is investigated. All the emissions not reported below are too low against the FCC Part 15 Subpart C official limits.

Date of Test :	<u>Nov. 02, 2002</u>	Temperature :	<u>20</u>
EUT :	<u>Transpod</u>	Humidity :	<u>50%</u>
Test Mode :	<u>Frequency: 107.0MHz (with Plug #1)</u>		

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level		Margin dB
			Horizontal dB μ V	Horizontal dB μ V/m	Limits dB μ V/m		

Fundamental Freq. (Average Value)							
107.000	17.54	2.20	23.47	43.21	48.00	4.79	
Fundamental Freq. (Peak Value)							
107.000	17.54	2.20	23.47	44.50	68.00	23.50	
Spurious Freq. (Quasi-Peak Value)							
76.980	12.63	1.80	9.14	23.57	40.00	16.43	
214.000	22.63	3.11	4.00	29.74	43.50	13.76	
239.790	24.64	3.40	5.66	33.70	46.00	12.30	
287.580	26.01	3.80	7.00	36.81	46.00	9.19	
301.400	14.78	3.90	16.42	35.10	46.00	10.90	
360.900	16.60	4.43	2.16	23.19	46.00	22.81	
385.400	16.78	4.70	14.31	35.79	46.00	10.21	
409.900	16.60	4.90	14.46	35.96	46.00	10.04	
428.000	17.14	5.18	3.16	25.48	46.00	20.52	
535.000	18.67	7.00	1.06	26.73	46.00	19.27	
642.000	19.80	6.30	- 0.40	25.70	46.00	20.30	
749.000	22.20	6.70	- 0.40	28.50	46.00	17.50	
856.000	22.80	7.10	- 0.59	29.31	46.00	16.69	
963.000	22.98	7.60	- 0.13	30.45	54.00	23.55	

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. The emissions level are too low against the official limit and not report.

Date of Test : Nov. 02, 2002 Temperature : 20
EUT : Transpod Humidity : 50%
Test Mode : Frequency: 107.0MHz (with Plug #1)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading		Emission Level		Margin dB
			Vertical dB μ V	Vertical dB μ V/m	Vertical dB μ V/m	Limits dB μ V/m	

Fundamental Freq. (Average Value)							
107.000	17.40	2.20	22.20		41.80	48.00	6.20
Fundamental Freq. (Peak Value)							
107.000	17.40	2.20	22.20		42.20	68.00	25.80
Spurious Freq. (Quasi-Peak Value)							
63.400	14.22	1.66	6.10		21.98	40.00	18.02
214.000	22.90	3.11	- 0.45		25.56	43.50	17.94
240.330	25.04	3.40	2.55		30.99	46.00	15.01
321.000	14.59	4.20	5.22		24.01	46.00	21.99
360.900	15.30	4.43	15.23		34.96	46.00	11.04
385.400	16.10	4.70	13.12		33.92	46.00	12.08
409.900	16.40	4.90	13.89		35.19	46.00	10.81
428.000	16.44	5.18	14.36		35.98	46.00	10.02
535.000	18.50	7.00	- 0.05		25.45	46.00	20.55
642.000	19.70	6.30	0.10		26.10	46.00	19.90
749.000	21.10	6.70	1.11		28.91	46.00	17.09
780.900	22.00	6.80	5.88		34.68	46.00	11.32
963.000	23.26	7.60	1.11		31.97	54.00	22.03

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. The emissions level are too low against the official limit and not report.