



FCC ID: S4LGO300
Issued on May 04, 2005

Report No.: FR541522-01

Appendix B. Test Result for Additional Pedestal

47 CFR FCC Part 15 Subpart C

CATEGORY : Mobile
PRODUCT NAME : GPS tracking system
FCC ID. : S4LGO300
FILING TYPE : Certification
BRAND NAME : TomTom
MODEL NAME : GO 300

APPLICANT : **TomTom BV.**
Rembrandtplein 35, 1017 CT Amsterdam, The Netherlands

MANUFACTURER : **Inventec Appliances Corp.**
37, Wugung 5th, Rd., Wugu Shiang, Taipei, Taiwan

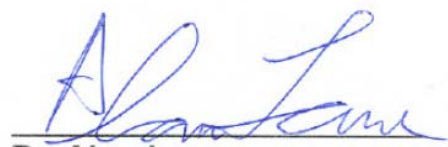
ISSUED BY : **SPORTON INTERNATIONAL INC.**
6F, No. 106, Sec. 1, Hsin Tai Wu Rd., His Chih, Taipei Hsien,
Taiwan, R.O.C.

This attachment is an extension of the original test report no. **FR541522** for additional Pedestal.

The following test result are added:

- 1). **Conduction Emission** of the test mode
- 2). **Spurious Emission** of the test mode

This attachment should be filed together with original test report, Report No.: **FR541522** for reference.



Dr. Alan Lane
Vice General Manager



B.1. Conducted Emission

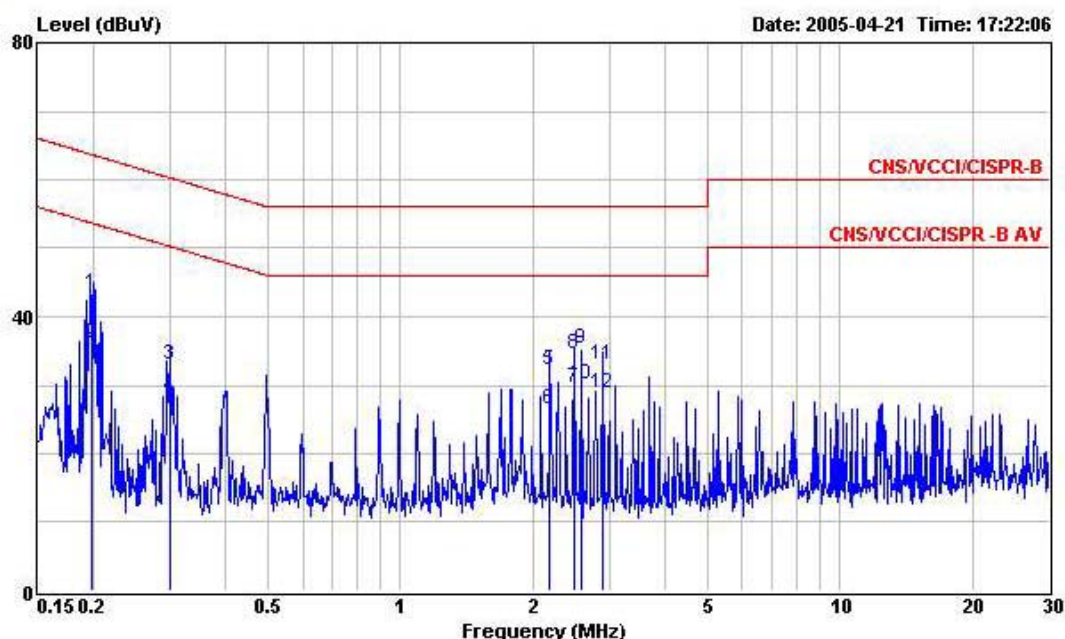
B.1.1 Test Results for CH 78 /2480MHz (for emission below 1GHz)

- Modulation Type: GFSK
- Temperature: 26°C
- Relative Humidity: 64%
- Test Engineer: Eric Lin

Line to Ground

Data#: 4

File#: C:\Data\存放\2005案件\4月\541522.EMI



Site : CO01-HV
Condition : CNS/VCCI/CISPR-B 2003 2001/008 LINE
EUT : GPS加B.T
Power : 110V 60Hz
Model : GO300(MALAGA100)
Memo : USB LINK MODE

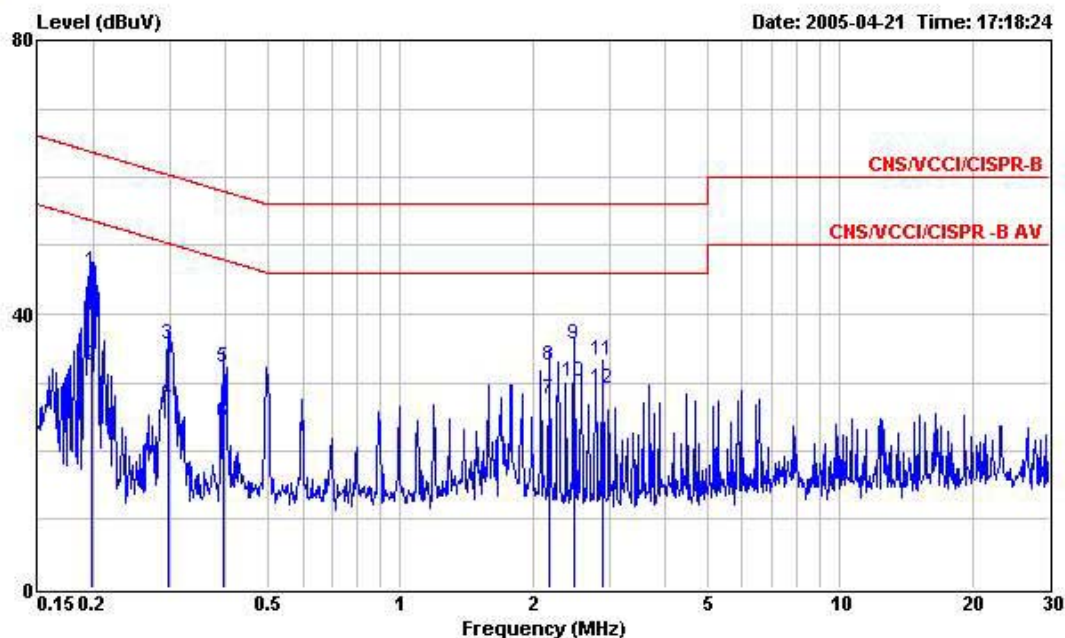
	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.198	43.43	-20.25	63.68	43.31	0.10	0.02	QP
2	0.198	36.19	-17.49	53.68	36.07	0.10	0.02	Average
3	0.299	32.95	-27.32	60.27	32.83	0.10	0.02	QP
4	0.299	28.23	-22.04	50.27	28.11	0.10	0.02	Average
5	2.181	32.34	-23.66	56.00	32.17	0.10	0.07	QP
6	2.181	26.60	-19.40	46.00	26.43	0.10	0.07	Average
7	2.480	29.48	-16.52	46.00	29.31	0.10	0.07	Average
8	2.480	34.61	-21.39	56.00	34.44	0.10	0.07	QP
9	2.581	35.20	-20.80	56.00	35.03	0.10	0.07	QP
10	2.581	30.11	-15.89	46.00	29.94	0.10	0.07	Average
11	2.879	33.09	-22.91	56.00	32.91	0.10	0.08	QP
12	2.879	28.95	-17.05	46.00	28.77	0.10	0.08	Average



Neutral to Ground

Data#: 3

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Site : CO01-HY
Condition : CNS/VCCI/CISPR-B 2003 2001/008 NEUTRAL
EUT : GPS加B.T
Power : 110V 60Hz
Model : GO300(MALAGA100)
Memo : USB LINK MODE

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.198	46.34	-17.35	63.69	46.22	0.10	0.02	QP
2	0.198	32.55	-21.14	53.69	32.43	0.10	0.02	Average
3	0.297	35.60	-24.73	60.33	35.48	0.10	0.02	QP
4	0.297	27.18	-23.15	50.33	27.06	0.10	0.02	Average
5	0.396	32.31	-25.63	57.94	32.19	0.10	0.02	QP
6	0.396	24.06	-23.88	47.94	23.94	0.10	0.02	Average
7	2.182	27.45	-18.55	46.00	27.27	0.11	0.07	Average
8	2.182	32.41	-23.59	56.00	32.23	0.11	0.07	QP
9	2.479	35.49	-20.51	56.00	35.29	0.13	0.07	QP
10	2.479	30.20	-15.80	46.00	30.00	0.13	0.07	Average
11	2.877	33.36	-22.64	56.00	33.13	0.15	0.08	QP
12	2.877	29.09	-16.91	46.00	28.86	0.15	0.08	Average

Note:

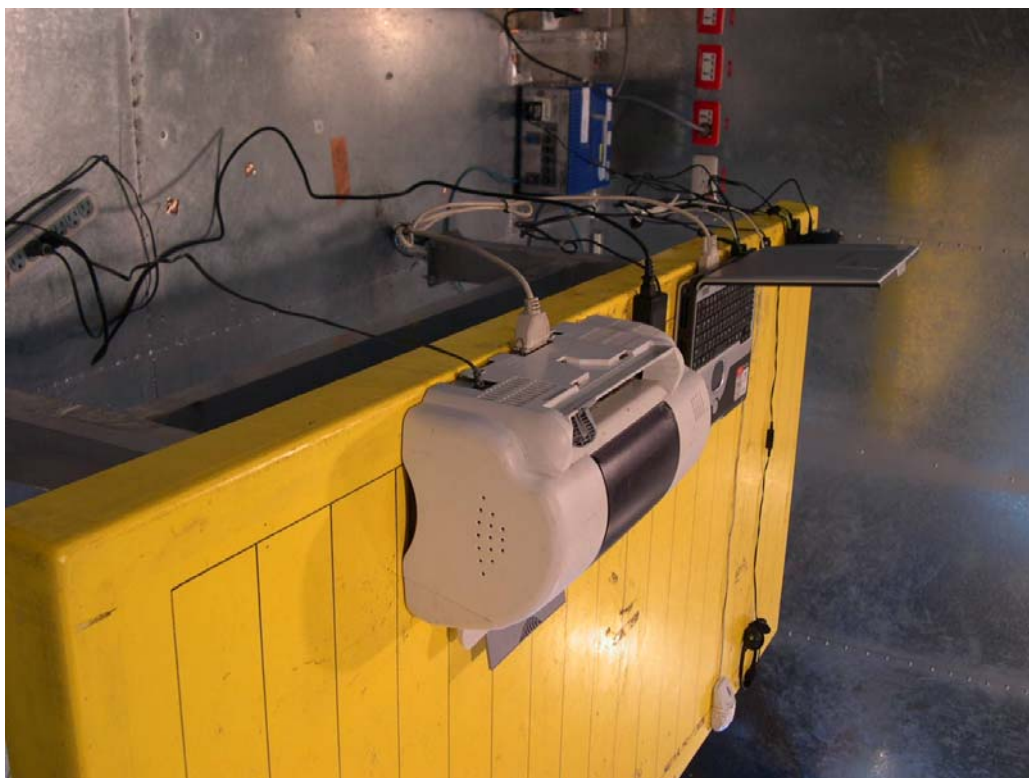
Corrected Reading: Probe (LISN / ISN) Factor + Cable Loss + Read Level = Level.

B.1.2 Photographs of Conducted Emission Test Configuration

FRONT VIEW



REAR VIEW





B.2. Spurious Emission

B.2.1. Test Results for CH 78 / 2480MHz (for emission below 1GHz)

- Test Mode: Bluetooth mode
- Modulation Type: GFSK
- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 45.16%
- Test Engineer: Wayne Hsu

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Read Level	Limit Line	Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB	dB	
1 !	132.510	39.40	-4.10	56.56	43.50	-17.16	1.15	30.71	Peak
2	166.510	35.78	-7.72	51.30	43.50	-15.52	1.28	30.11	Peak
3	185.550	35.78	-7.72	49.95	43.50	-14.17	1.27	30.07	Peak
1 !	356.000	41.17	-4.83	54.63	46.00	-13.46	1.80	30.76	Peak
2	397.600	37.67	-8.33	50.15	46.00	-12.48	1.97	31.17	QP
3	662.400	37.74	-8.26	45.17	46.00	-7.43	2.51	30.53	Peak

B) Polarization: Vertical

	Freq	Level	Over Limit	Read Level	Limit Line	Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV	dBuV/m	dB	dB	dB	
1	32.380	33.80	-6.20	51.14	40.00	-17.34	0.56	30.39	Peak
2	113.300	35.04	-8.46	53.34	43.50	-18.30	1.05	30.29	Peak
3	132.510	35.70	-7.80	52.86	43.50	-17.16	1.15	30.71	QP
1	396.800	39.24	-6.76	51.75	46.00	-12.51	1.96	31.18	Peak
2	663.200	38.89	-7.11	46.32	46.00	-7.43	2.51	30.53	Peak
3	797.600	36.18	-9.82	42.20	46.00	-6.02	2.79	30.68	Peak

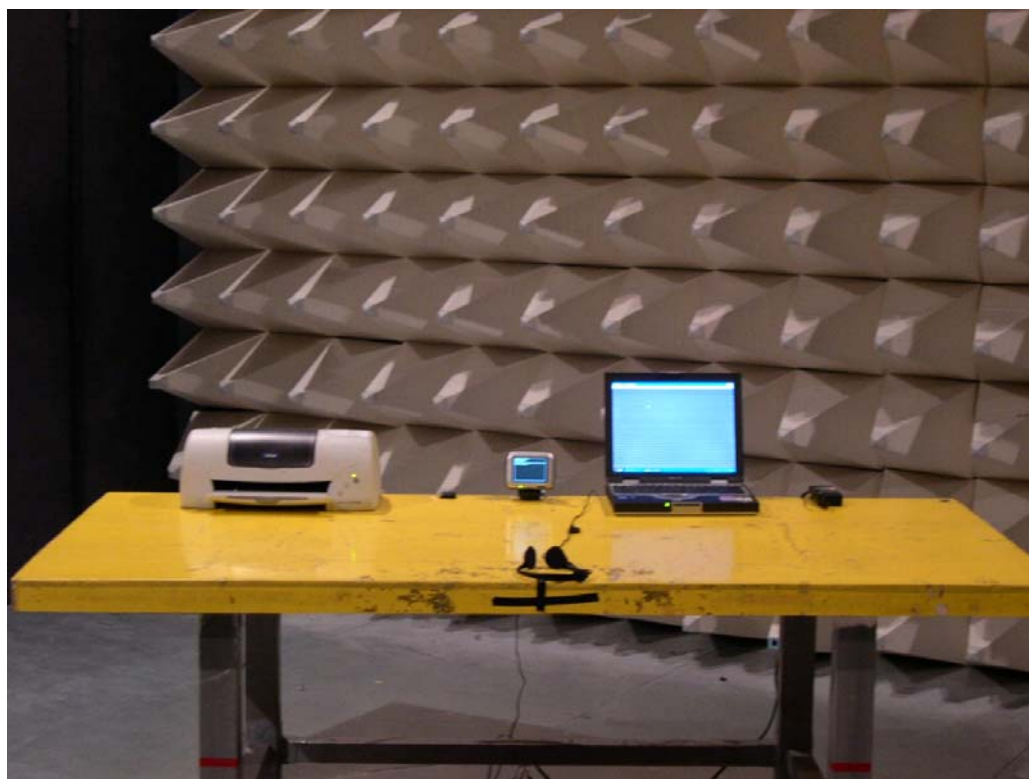
Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

B.2.2 Photographs of Spurious Radiation Emission Test Configuration

FRONT VIEW



REAR VIEW

