

Radiated Spurious Emission Summary

Equipment : Bluetooth module
Trade Name : WORKABOUT ABOUT
Model Name : BTL040
FCC ID : GM37525BTB
IC ID : 2739D-7525BTB
Applicant : Psion Teklogix Inc.
2100 Meadowvale Blvd., Mississauga,
Ontario, L5N 7J9, Canada

1. BT CH00

Test Lab. : Sporton International Inc., 03CH06-HY
Report No. : FR5D0903
Test Sample : BTL040 BT module
Test Method : The EUT was tested in semi-anechoic chamber with
3 m test distance. The EUT was tested in BT CH00
continuous Tx mode to FCC 15C limit.

1.1 Horizontal

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
56.19	31.22	40	-8.78	Peak
226.83	33.91	46	-12.09	Peak
257.88	35.27	46	-10.73	Peak
768.30	35.80	46	-10.20	Peak
794.90	37.60	46	-8.34	Peak
925.80	38.31	46	-7.69	Peak
2348.00	50.96	74	-23.04	Peak
2348.00	38.39	54	-15.61	Average
2498.00	50.34	74	-23.66	Peak
2498.00	39.22	54	-14.78	Average
4878.00	52.37	74	-21.63	Peak
4878.00	41.64	54	-12.36	Average

1.2 Vertical

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
46.74	33.36	40	-6.36	Peak
132.33	34.53	43.5	-8.97	Peak
259.23	37.02	46	-8.98	Peak
661.90	35.26	46	-10.74	Peak
701.80	36.58	46	-9.42	Peak
731.90	36.87	46	-9.13	Peak
2314.00	50.76	74	-23.24	Peak
2314.00	39.16	54	-14.84	Average
2494.00	50.35	74	-23.65	Peak
2494.00	30.19	54	-14.81	Average
4878.00	57.78	74	-16.22	Peak
4878.00	46.25	54	-7.75	Average

2. BT+WLAN

Test Lab. : Advance Data Technology Corporation
Report No. : RF941208L13B
Test Sample : WORKABOUT PRO 7525C with WLF3020 WLAN CF card and BTL040 BT module
Test Method : The EUT was tested in semi-anechoic chamber with 3 m test distance. The EUT was tested in WLAN (CH06) and BT (CH00) co-transmission mode to FCC 15C limit.

2.1 Horizontal

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
249.66	30.18	46	-15.82	QP
288.54	29.30	46	-16.70	QP
599.56	32.06	46	-13.94	QP
624.83	29.37	46	-16.63	QP
696.75	31.38	46	-14.62	QP
881.42	31.69	46	-14.31	QP
2390.00	48.21	74	-25.79	Peak
2390.00	40.52	54	-13.48	Average
4804.00	56.73	74	-17.27	Peak
4804.00	26.73	54	-27.27	Average
4874.00	54.77	74	-19.23	Peak
4874.00	52.13	54	-1.87	Average

2.2 Vertical

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
61.10	27.58	40	-12.42	QP
63.05	28.76	40	-11.24	QP
239.94	31.64	46	-14.36	QP
267.15	31.18	46	-14.82	QP
599.56	33.98	46	-12.02	QP
696.75	30.13	46	-15.87	QP
760.90	29.29	46	-16.71	QP
2390.00	58.32	74	-15.68	Peak
2390.00	48.13	54	-5.87	Average
4804.00	55.73	74	-18.27	Peak
4804.00	25.73	54	-28.27	Average
4874.00	50.94	74	-23.06	Peak
4874.00	45.87	54	-8.13	Average

3. BT+GSM850

Test Lab. : Sporton International Inc., 03CH06-HY
Report No. : FR611121
Test Sample : WORKABOUT PRO 7525C with RA3025-G1 GSM module and BTL040 BT module
Test Method : The EUT was tested in semi-anechoic chamber with 3 m test distance. The EUT was tested in GSM850 link mode and BT CH39 Tx mode to FCC part 22/24 limit by substitution method according to ANSI/TIA/EIA-603-A.

3.1 Horizontal

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
30.00	-60.35	-13	-47.35
81.84	-72.55	-13	-59.55
290.28	-68.14	-13	-55.14
497.40	-65.99	-13	-52.99
640.90	-60.94	-13	-47.94
675.90	-61.23	-13	-48.23
995.80	-53.63	-13	-40.63
1034.00	-49.25	-13	-36.25
1674.00	-46.91	-13	-33.91
2508.00	-44.21	-13	-31.21
4884.00	-49.84	-13	-36.84
5854.00	-50.44	-13	-37.44
6688.00	-47.33	-13	-34.33
7528.00	-42.60	-13	-29.60

3.2 Vertical

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
105.33	-68.90	-13	-55.90
199.83	-67.13	-13	-54.13
295.14	-66.46	-13	-53.46
638.80	-62.36	-13	-49.36
675.90	-63.25	-13	-50.25
995.80	-58.75	-13	-45.75
1034.00	-54.15	-13	-41.15
1674.00	-52.06	-13	-39.06
2508.00	-43.73	-13	-30.73
3344.00	-53.67	-13	-40.67
4884.00	-45.43	-13	-32.43
5018.00	-51.54	-13	-38.54
5854.00	-50.56	-13	-37.56
6688.00	-45.39	-13	-32.39