

15.247(c), 15.205 & 15.209(b) Field strength of spurious emissions:

REQUIREMENTS:

FIELD STRENGTH of Fundamental: 902-928MHz 2.4-2.4835GHz 127.38dBuV/m @3m	FIELD STRENGTH of Harmonics 54 dBuV/m @3m	S15.209 30 - 88 MHz 40 dBuV/m @3M 88 -216 MHz 43.5 216 -960 MHz 46 ABOVE 960 MHz 54dBuV/m
--	---	---

EMISSIONS RADIATED OUTSIDE OF THE SPECIFIED FREQUENCY BANDS, EXCEPT FOR HARMONICS, SHALL BE ATTENUATED BY AT LEAST 50 dB BELOW THE LEVEL OF THE FUNDAMENTAL OR TO THE GENERAL RADIATED EMISSION LIMITS IN 15.209, WHICHEVER IS THE LESSER ATTENUATION.

REQUIREMENTS: Emissions that fall in the restricted bands (15.205) must be less than 54dBuV/m otherwise the spurious and harmonics must be attenuated by at least 20dB.

TEST DATA:

EMISSION FREQUENCY MHz	METER READING AT 3 METERS dBuV	COAX LOSS dB	ANTENNA CORRECTION FACTOR dB	FIELD STRENGTH dBuV/m@3m	MARGIN dB	ANT. POL.
------------------------------	--------------------------------------	--------------------	------------------------------------	--------------------------------	--------------	--------------

DIGITAL EMISSIONS

66.80	29.28	0.80	7.07	37.15	2.85	H
100.20	21.96	0.80	8.25	31.01	12.49	H
167.10	9.35	0.90	18.02	28.27	15.23	H
200.40	27.66	1.20	11.94	40.80	2.70	H
334.10	21.61	1.40	15.09	38.10	7.90	V
340.80	26.02	1.40	15.28	42.70	3.30	H
367.50	17.55	1.40	16.06	35.01	10.99	V
388.20	12.84	1.40	16.66	30.90	15.10	V
397.60	16.97	1.40	16.93	35.30	10.70	H
400.90	13.68	1.60	17.02	32.30	13.70	V
400.98	16.36	1.60	17.02	34.98	11.02	H
434.30	18.21	1.60	17.79	37.60	8.40	H
467.80	22.64	1.60	18.56	42.80	3.20	H
534.60	10.27	1.60	19.58	31.45	14.55	H
537.30	20.40	1.60	19.60	41.60	4.40	H

APPLICANT: SPEEDCOM WIRELESS INTERNATIONAL CORP.
FCCID: NCBSLXE
REPORT #: T:\CUS\S\SPEED\SPE54U0\15438\54X0RAD
PAGE #: 7