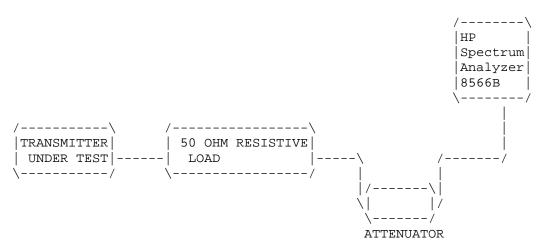
15.247(c) Method of Measuring RF Conducted Spurious Emissions



NAME OF TEST: SPURIOUS EMISSIONS AT ANTENNA TERMINALS

REQUIREMENTS: Emissions must be at least 20dB down from the highest emission level within the authorized band as measured with a 1 MHz RBW.

EMISSION	dB BELOW			
FREQUENCY	CARRIER			
MHz				
2418.0	00.0			
4836.0	75.8			
7254.0	100.0			
9672.0	89.4			
12090.0	95.8			
2437.0	00.0			
4874.0	88.4			
7311.0	91.9			
9748.0	90.7			
12185.0	99.2			
2467.0	00.0			
4934.0	79.0			
7401.0	70.7			
9868.0	91.0			
12335.0	98.4			

NOTE: THE SPECTRUM WAS SCANNED TO THE TENTH HARMONIC.

APPLICANT: WIDELINK CO., LTD.

FCCID: PISWWL-1100P

REPORT #: T:\CUS\W\WIDECO\231K1\231K1RPT.DOC

15.247(c),15.205 &15.209(b) Field_strength_of_spurious_emissions:

REOUIREMENTS:

FIELD STRENGTH FIELD STRENGTH 15.209

of Fundamental: of Harmonics 30 - 88 MHz 40 dBuV/m @3M

88 -216 MHz 43.5 2.4-2.4835 GHz 216 -960 MHz 46.0 127.38 dBuV/m @3m ABOVE 960 MHz 54.0

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 @ 3m dBuV	COAX LOSS dB	ACF dB	FIELD STRENGTH dBuV/m	FCC. LIMIT dB	MARGI dB	N ANT.
2417.70	73.70	1.09	29.04	103.84	127.38	23.54	V
4835.40	6.70	1.46	33.94	42.10	54.00	11.90	V
2441.90	73.30	1.10	29.10	103.50	127.38	23.88	V
4883.80	1.20	1.46	33.99	36.66	54.00	17.34	H
2471.90	72.60	1.10	29.18	102.88	127.38	24.50	V

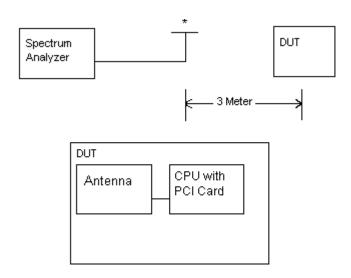
METHOD OF MEASUREMENT: The procedure used was ANSI STANDARD C63.4-1992 & the Guidance on Measurements for Direct Sequence Spread Spectrum Systems. Measurements were made at the open field test site of TIMCO ENGINEERING INC. located at 849 N.W. State Road, Newberry, FL 32669.

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Method of Measuring Radiated Spurious Emissions



* Tuned, Calibrated
Antenna which may
be raised from 1-4 Meters
above ground
and changed in polarization.

Equipment placed 80 cm above ground on a rotatable platform.

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APPLICANT: WIDELINK CO., LTD.

FCC ID: PISWWL-1100P

NAME OF TEST: RADIATED SPURIOUS EMISSIONS INTO ADJACENT

RESTRICTED BAND

REQUIREMENTS: Emissions that fall in the restricted bands

(15.205). These emissions must be less than

or equal to 500 uV/m (54 dBuV/m).

TEST PROCEDURE: An in band field strength measurement of the

fundamental emissions using the RBW and detector function required by C63.4-2000 and FCC rules. The procedure was repeated with an average detector and a plot made. The calculated field strength in the adjacent

restricted band is presented below.

-102.60 dBm - from Plot

+ 29.21 dB - ACF

+ 1.1 dB - Coax Loss

- 72.99 dBm

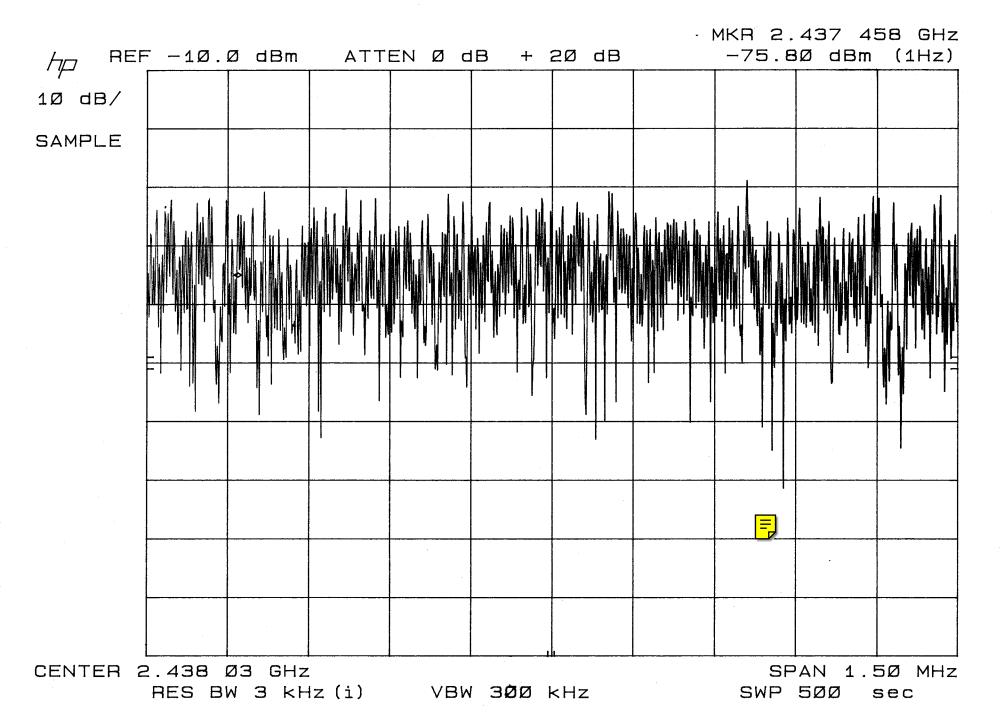
+107.00

34.71 dBuV

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APPLICANT: WIDELINK CO., LTD.

FCC ID: PISWWL-1100P

NAME OF TEST: POWER SPECTRAL DENSITY

RULES PART NUMBER: 15.247(d)

REQUIREMENTS: The peak level measured must be no greater than

+8.0dBm.

DATA: The plots are on the following pages as exhibits # 14A-14C.

The level at 2438.03 MHz . 2417.44 MHz 2472.48 MHz

From Plot: - 75.8 dBm -73.20 dBm -74.00 dBm + 20.0 dB ATT +20.00 dB ATT +20.00 dB ATT +35.0 CF +35.00 CF

Calculation: - 20.8 dBm -18.20 dBm -19.00 dBm

NAME OF TEST: PROCESSING GAIN

RULES PART NUMBER: 15.247(e)

REQUIREMENTS:

DATA: The processing gain information supplied by the manufacturer

is 10.0dB.

See Exhibits 7A-7F and 8A-8C for processing gain test

methods and data.

APPLICANT: WIDELINK CO., LTD.

FCCID: PISWWL-1100P

REPORT #: T:\CUS\W\WIDECO\231K1\231K1RPT.DOC

