

FCC Part 15 Subpart C

Frequency Spread Spectrum Transmitter

Class 2 Permissive Change Test Report

Antenna Data Information

Manufacturer: Proxim Corporation

Model: B11FNF

Variants: ◇ 480429-2712
◇ 460602-3020
◇ 480424-0411

FCC ID: HZB-B11FNF

Project Number: 03-014

Antenna 1: Peak and Average Measurements

Antenna: LXE P/N 480429-2712, 15db Hypergain

Frequency (MHz)	Antenna Distance (m)	Level (dBm)	Detector Function (P/A)	Correction Factors (dB)	Corrected Level (dBm)	Limit (uV/m)	Margin (dB)	Final Result (Pass/Fail)
4824	3	39.7	P	16.0	55.70	74.00	18.30	PASS
4824	3	33.8	A	16.0	49.80	54.00	4.20	PASS
4884	3	36.5	P	16.0	52.50	74.00	21.50	PASS
4884	3	32.2	A	16.0	48.20	54.00	5.80	PASS
4924	3	35.7	P	16.0	51.70	74.00	22.31	PASS
4924	3	30.7	A	16.0	46.70	54.00	7.30	PASS

Antenna 2: Peak and Average Measurements

Antenna: LXE P/N 460602-3020, 15db Yagi

Frequency (MHz)	Antenna Distance (m)	Level (dBm)	Detector Function (P/A)	Correction Factors (dB)	Corrected Level (dBm)	Limit (uV/m)	Margin (dB)	Final Result (Pass/Fail)
4824	3	33.8	P	16.0	49.80	74.00	24.20	PASS
4824	3	26.7	A	16.0	43.70	54.00	11.30	PASS
4884	3	34.8	P	16.0	50.80	74.00	23.20	PASS
4884	3	25.3	A	16.0	41.30	54.00	12.70	PASS
4924	3	36	P	16.0	52.00	74.00	22.00	PASS
4924	3	29.8	A	16.0	45.80	54.00	8.20	PASS

Antenna 3: Peak and Average Measurements

Antenna: LXE P/N 480424-0411, 9db Omni-Directional

Frequency (MHz)	Antenna Distance (m)	Level (dBm)	Detector Function (P/A)	Correction Factors (dB)	Corrected Level (dBm)	Limit (uV/m)	Margin (dB)	Final Result (Pass/Fail)
4824	3	33.8	P	16.0	49.8	74.00	24.2	PASS
4824	3	26.8	A	16.0	42.8	54.00	11.2	PASS
4884	3	32.3	P	16.0	48.3	74.00	25.7	PASS
4884	3	27.2	A	16.0	42.2	54.00	10.8	PASS
4924	3	34.5	P	16.0	50.5	74.00	23.5	PASS
4924	3	26.5	A	16.0	42.5	54.00	11.5	PASS

Correction Factors

- AF = Antenna Factor
- CA = Cable Attenuation
- AG = Amplifier Gain
- RL = Receiver Level

Therefore:

$$CF_T = \text{Total Correction Factor} = RL + AF + CA - AG$$