

GENERAL INFORMATION

Requirement: Federal Communications Commissions

Test Requirements: 15.205, 15.207, 15.209, 15.247

Applicant:

FOXCOM WIRELESS LTD.
Ofek One Center Building B,
Northern Industrial Zone
Lod, Israel 71293

Product Name: WLAN (Wireless LAN) 2.4 GHz, One Access Point

Product Model: ModuLirte 810

Product ID: **FCC ID:** OJF ModuLite810

RF Specifications

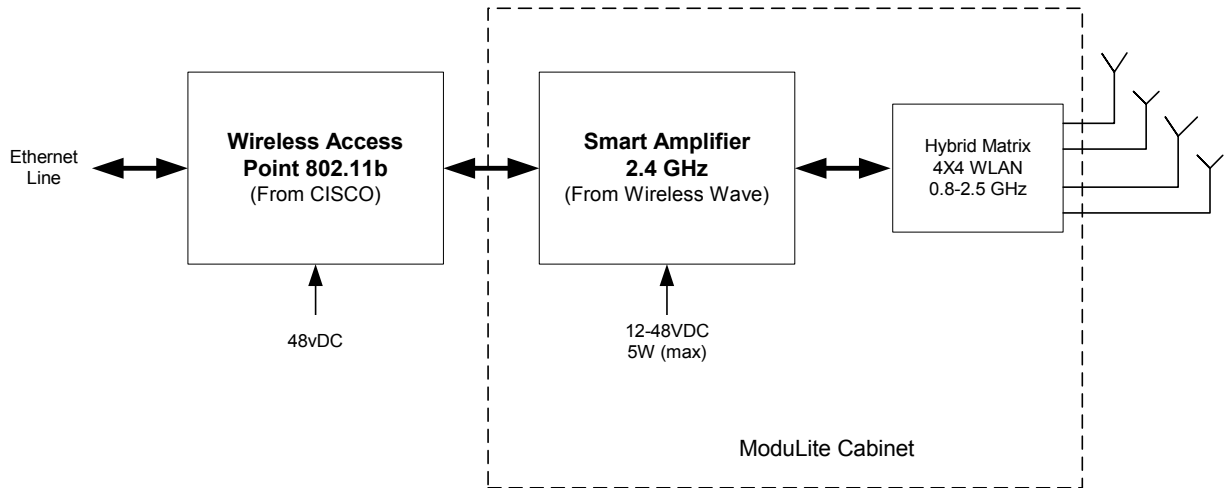
RF Frequency Band	2.400 to 2.4835 GHz
RF Channels	Programmable in 5 MHz steps
RF signal Bandwidth	22 MHz (3 non overlapping channels)
Modulation Type	DBPSK or DQPSK or CCK
Transmitter Output Power	+ 21dBm
Antennas	MARS MA-CM36-15 (5dBi) Celwave Tri-Band Omni-Directional (2.1 dBi) Fixed Station ASP-3561 (2 dBi)

TEST LOCATION

All emissions tests were performed at:

Hermon Laboratories Ltd.
Rakevet Ind. Zone, P. O. Box 23
Binyamina 30550 **Israel**
Phone: +972 (0) 4 6288001
Web:
Fax: +972 (0) 4 6288277

System Description:



Downlink:

An Ethernet line is connected to Ethernet to 802.11b Access Point. That converts the signal into RF signal. The RF signal is at 2400-2500MHz and power of +13dBm (20 Mw). That signal is amplified via a bi directional amplifier with +29dBm output power. The signal is connected to Hybrid Matrix 4x4 that is a passive unit with loss of 7dB and goes out to the antennas. At the antenna port the max output power is +22dBm.

Uplink:

The signal from the antennas is connected to Hybrid Matrix 4x4. The RF uplink signal from Hybrid Matrix 4x4 is amplified via a bi directional amplifier. That out signal, Outside the ModuLite Cabinet, connected to 802.11b access point that converts the signal buck to Ethernet signal. That signal connected to Ethernet line.

TEST EQUIPMENTS LIST

HL Serial No.	Description	Manufacturer information			Due Calibr.
		Name	Model No.	Serial No.	
0041	Double ridged guide antenna, 1-18 GHz	Electro-Metrics	RGA 50/60	2811	3/03
0447	LISN, 16/2, 300 V RMS	Hermon Labs	LISN 16-1	447	11/03
0521	Spectrum Analyzer with RF filter section (EMI Receiver 9 kHz - 6.5 GHz)	Hewlett Packard	8546A	0319	9/03
0554	Amplifier, 2 – 18 GHz RF	Miteq	AFD-4	4300	12/03
0580	DC block adaptor 10 kHz-2.2 GHz	Anritsu	MA8601 A	580	12/03
0589	Cable Coaxial, GORE A2POL118.2, 3m	Hermon Labs	GORE-3	589	12/03
0590	Attenuator 10 dB, 50 Ohm, N-type, 2W	Elisra Electronic Systems	MW2100-N-Type	10	01/04
0604	Antenna Biconilog Log-Periodic/T Bow- Tie, 26 - 2000 MHz	EMCO	3141	9611-1011	01/04
0768	Antenna standard gain horn 18-26.5 GHz, WR-42, K-band, gain – 25 dB	Quinstar Technology	QWH-4200-BA	110	07/04 check
1002	Filter Low Pass	Telewave Inc.	TLF-860	4006	12/03
1003	Cable coaxial, M17/164, 10 m	Hermon Labs	C17164-10	161	11/03
1004	Cable coaxial, ANDREW PSWJ4, 6 m	Hermon Labs	ANDREW-6	163	12/03
1200	Quadruplexer	Elettronica	UE 84	0240	4/03 check
1424	Spectrum analyzer, 30 Hz - 40 GHz	Agilent Technologies	8564EC	3946A00219	8/03
1650	Attenuators set (2, 3, 5, 20 dB), DC – 18 GHz	M/A –COM	2082	NA	03/03
1651	Attenuators set (2, 3, 5, 20 dB), DC – 18 GHz	M/A –COM	2082	NA	03/03
1947	Cable 18 GHz, 6.5 m, blue	Rhophase Microwave Ltd	NPS-1803A- 6500-NPS	T4974	10/03
1989	Adapter, 18 - 26.5 GHz, WR-42/SMA	Continental Microwave & Tool Co.	NA	NA	8/04
2009	Cable RF, 8 m	Alpha Wire	RG-214	NA	12/03
2254	Cable 40GHz, 0.8 m, blue	Rhophase Microwave Limited	KPS-1503A-800- KPS	W4907	11/03
2260	Amplifier Low Noise 14-33 GHz	Sophia Wireless	LNA28-B	0233	11/03
2274	Power Supply 11V for HL2258, HL2259, HL2260, HL2261	Hermon Labs	S-11	NA	12/03 check