

**Compliance Certification Services**

B-Site 7/8/2002 Mike H

Radiated Emissions  
FCC 15.247

Radiolan  
Transmitting with Telex 5816AB Antenna

**Company:** Radiolan Marketing Group  
**EUT Descrip** 5.775 GHz Point to Point DTS Transceiver  
**FCC ID:** MCI-377

**Equipment for 1-22 GHz:**

HP8566B Analyzer  
Miteq NSP2600-44 Preamp  
EMCO 3115 Antenna  
ARA MWH 1826/B  
Cable 17.0 feet

**Equipment for 18 - 40 GHz:**

HP8566B Analyzer  
HP 11975A Amplifier (LO)  
HP 11970K External Mixer/ARA  
HP 11970 External mixer/ 26.5-40 GHz horn antenna  
Cable: IF Only (321 MHz)

**Peak Measurements:**

1 MHz Resolution Bandwidth  
1MHz Video Bandwidth

**Average Measurements:**

1MHz Resolution Bandwidth  
10Hz Video Bandwidth

Specification Distance: 3 meters

Freq GHz	Pol V/H	Det	SA dBuV	AF dB/m	Dist m	Dist dB	Preamp dB	Cable / HPF dB	Field dBuV/m	Limit dBuV/m	Margin dB
Note 1: RBW = 100 kHz for fundamental and spurious emissions outside restricted bands.											
Note 2: RBW = 1 MHz for spurious emissions within restricted bands.											
Fundamental:											
5.774	V	100 kHz	76.6	35.4	1.5	-6.0	0.0	3.7	109.68		
5.774	H	100 kHz	66.5	35.4	1.5	-6.0	0.0	3.7	99.58		
Harmonics and Spurious:											
7.511	V	Peak	59.2	37.5	1.5	-6.0	36.3	9.2	63.58	74	-10.42
7.511	V	Avg	25.4	37.5	1.5	-6.0	36.3	9.2	29.78	54	-24.22
7.511	H	Signal level at system noise floor									
The following signal was measured at the system noise floor:											
17.324	V/H	Peak	41.1	32.7	1.5	-6.0	38.7	18	47.08	74	-26.92
17.324	V/H	Avg	29.1	32.7	1.5	-6.0	38.7	18	35.08	54	-18.92
Note 3: No other spurious emissions were found.											

