10	PC 2	Usdalooft	
EXI	ALL @ 100 MHZ chant = 6.31V for 1 V/m	RGS8V SAI	
Voc	strant = 6.31V for 11/m	E-field Va 30ft	
(a) now,	VSA = 53.2BAV		
@	Cable input / out of ant: Va=	53 dB/W + (4.5 * 3)	
	= 54.35 dB/AV		
Ce	Connert to Volts to be able to find field strength		
	Va, voits 86 = Va, MY85- 120 88		
	= - 65.65 dBV		
	~> Vaivolts = 10	= 522.4 MV	
	now to get field value,	6.31V -> 1 VIm	
		522.4 W -> X V/m	
	~s E-field strength = 82.79 uV/m = 38.36dBuV/m		
(b)	20ft = 6.1 m	(Slider)	
F	FCC Class B @ 3m &	100 MHZ, Level is: 43.5 dByr/m	
So, @6m, we need to scale, field streamyte will reduce as $3/6$ 1 $\sim$ 20 $\log_{10} \frac{3}{6}$ 1 = -6.16 dB			
50, 38.36 > 37.34 => fail by [1 dB]			
	50, 38.36 > 37.34 =	fail by [1 dB]	