Exhibit 11 MPE Limit Calculation

SPB209A MPE Limit Calculation

Equation from OET Bulletin 65, Edition 97-01		
$S = \frac{PG}{4\pi R^2}$		
where: S = power density		
P = power input to the antenna		
G = power gain of the antenna in the direction of interest relative to an isotropic radiator		
R = distance to the center of radiation of the antenna		
Maximum peak output power at device output terminal:	23,12	dBm
Cable and Jumper loss:	0,00	dB
Maximum peak output power at antenna input terminal:	23,12	dBm
	205,1162179	mW
Single Antenna gain (typical):	1,80	dBi
Number of Antennae:	1	
Total Antenna gain (typical):	1,80	dBi
	1,513561248	(numeric)
Prediction distance:	20	cm
Prediction frequency:	2437	MHz
MPE limit for uncontrolled exposure at prediction frequency:	1	mW/cm^2
Power density at prediction frequency: 0.008123 mW/cm2	0,061763	mW/cm^2
	0,617633	W/m^2
Tx On time:	1,00	ms
Tx period time:	1,00	ms
Average Factor:	100%	
Average Power density at prediction frequency:	0,617633	W/m^2
Gain at limit:	13,89269855	dBi
Margin of Compliance:	12,09	dB