



Form 312 Blocks Information

Project number:	1262
Customer:	WBZ
Customer Contact:	Al Geobel
Date:	9/8/2011

Enter this information in the following FCC Form 312 Blocks			
Nomenclature	Value	Unit of Measure	Form 312 Block
Power at OMT	108.870	watts	B5(g)
Total EIRP	66.27	dBw	B5(h)
Maximum EIRP Density toward the Horizon	-4.03	dBw/4KHz	B6(i)
Maximum EIRP per Carrier	64.56	dBw	B7(f)
Maximum EIRP Density per Carrier	26.78	dBw/4KHz	B7(g)



Variable Data

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Required Data			
Antenna Diameter (D)	1.5	meters	
Subreflector Diameter (Ds)	0	cm	
Center Frequency (Cf)	14.250	GHz (14.250 GHz for Ku-Band)	
Wavelength at (Cf)	0.0211	meters (C-Band = .049, Ku-Band = .0211)	
Transmit Power at HPA or VPC Flange (P1)	125.00	watts	
Path Loss from HPA or VPC to OMT (IL)	0.6	dB (0.6 for Hub Mount, 2.0 for Rack Mount)	
Anntena Gain at (Cf) (Gain)	45.90	dBi	
Anntena Aperture Efficiency (n)	0.65		