

FCC and IC RSS-102 distance calculation

Unity MultiBand mobile radio; April 29, 2011

	<u>RF Power (mW)</u>	<u>RF Pwr x 1.2</u> <u>(FCC rule</u> <u>adder)</u>	<u>Gain dBi</u>	<u>Numeric G</u>	<u>Frequency (MHz)</u>	<u>Pwr Density</u> <u>(FCC rule</u> <u>limit)</u>	<u>R (cm)</u>
Harris P/N 12099-0310-01	<u>VHF Band Calculation</u>						
Occupational/Ctrl	52500	63000	3.1	2.04	136.00	1	71.540232
Gen Pop/unctrl	52500	63000	3.1	2.04	136.00	0.2	159.96882
Harris P/N 12099-0310-01	<u>UHF Band Calculation</u>						
Occupational/Ctrl	52500	63000	3.1	2.04	406.10	1.35	61.572028
Gen Pop/unctrl	52500	63000	3.1	2.04	406.10	0.27	137.67924

Yellow is a cell that needs an input value.