

Statement of Compliance with RF Safety Regulations for Amateur Radio Stations



West Valley Amateur Radio Association

This form is provided by the West Valley Amateur Radio Association to its members and other licensed Radio Amateurs as a public service. It is entirely the responsibility of you the licensee to provide accurate information on this form. This form may be used to organize your own personal notes to show compliance with the RF (radio frequency) Safety rules in Part 97.13 of the United States Federal Communications Commission's regulations. For more complex stations, you may need to use or attach the worksheet from FCC OET Bulletin 65 Supplement B. **Keep this with your station records.**

1. Name of licensee	2. Callsign	3. Address/location of station	
4. Description of Station(s) [Include all attached radios and antennas, examples: "Icom IC2350 2m/70cm mobile + mobile antenna", "experimental 80m + G5RV"]			
5. Method of Evaluation (check one) <input type="checkbox"/> Power output from this station is below thresholds requiring routine evaluation * <input type="checkbox"/> Estimated using table developed from field-strength equations ** <input type="checkbox"/> Estimated using table derived from antenna modeling ** <input type="checkbox"/> Estimated using antenna modeling software ** <input type="checkbox"/> Estimated using field-strength equations ** <input type="checkbox"/> Estimated using software developed from field-strength equations ** <input type="checkbox"/> Estimated using calibrated field-strength measurements ** <small>*see Tables 1A and 1B on Page 2 of this form **see FCC OET Bulletin 65 Supplement B (see http://www.fcc.gov/oet/rfsafety/)</small>		6. Notes about Method of Evaluation (refer to any tables used, attach printout(s) if software was used in calculations)	
7. Estimated safe distance in controlled environments (for people aware of the antenna and common sense around antennas.)	8. Estimated safe distance in uncontrolled environments (for people unaware of the antenna or common sense around antennas.)	9. List any precautions necessary to comply with RF safety regulations. (i.e. to restrict unaware persons from controlled areas, or operating limitations when unaware persons are near the antenna. Attach notes if necessary.)	
10. Signature of licensee	11. Date of Evaluation	12. Reviewers (optional - licensed Radio Amateurs who have reviewed this evaluation) Name: _____ Callsign: _____ Date: _____ Initials: _____ Name: _____ Callsign: _____ Date: _____ Initials: _____	

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Page 2 - Tables and References

Table 1A. Non-repeater stations: power thresholds for routine evaluation (from Table 1 in FCC OET Bulletin 65 Supplement B)

Band	160m	80m	75m	40m	30m	20m	17m	15m	12m	10m	VHF	70cm	33cm	23cm	13cm	SHF	EHF
Power (watts PEP)	500	500	500	500	425	225	125	100	75	50	50	70	150	200	250	250	250

Note 1: mobile and handheld radios are exempt from routine evaluation requirements.

Note 2: all stations, even if exempt from routine evaluation requirements, must comply with RF Safety rules.

Table 1B. Repeater stations: power thresholds for routine evaluation (from Table 1 in FCC OET Bulletin 65 Supplement B)

	Height above ground of antenna's lowest point	Power (watts ERP)
Non-building-mounted antennas	less than 10m	greater than 500
Building-mounted antennas	N/A	greater than 500

Table 2. Examples from tables derived from far-field equations (from FCC OET Bulletin 65 Supplement B, Table 4b)

Band	Antenna Gain (dBi)	Power (watts PEP)	Min Distance - Controlled	Min Distance - Uncontrolled
6m, 2m or 1.25m	0	50	1.0 m	2.3 m
6m, 2m or 1.25m	3	50	1.4 m	3.2 m
6m, 2m or 1.25m	6	50	2.0 m	4.5 m
6m, 2m or 1.25m	9	50	2.8 m	6.4 m
6m, 2m or 1.25m	0	100	1.4 m	3.2 m
6m, 2m or 1.25m	3	100	2.0 m	4.5 m
6m, 2m or 1.25m	6	100	2.8 m	6.4 m
6m, 2m or 1.25m	9	100	4.0 m	9.0 m
70cm	0	50	0.8 m	1.8 m
70cm	3	50	1.2 m	2.6 m
70cm	6	50	1.6 m	3.7 m
70cm	9	50	2.3 m	5.2 m
70cm	0	100	1.2 m	2.6 m
70cm	3	100	1.6 m	3.7 m
70cm	6	100	2.3 m	5.2 m
70cm	9	100	3.3 m	7.3 m

Note 1: assumed 100% duty cycle, multiply distances by .71 for 50% duty cycle (transmitting only half the time), multiply by .5 for 25% duty cycle

Note 2: multiply distances in meters by 3.28 to get feet

References on the Internet

West Valley Amateur Radio Association (WVARA) Home Page

FCC Office of Engineering and Technology (includes OET Bulletin 65 Supplement B)

American Radio Relay League (ARRL) RF Safety News

<http://www.wvara.org/>

<http://www.fcc.gov/oet/rfsafety/>

<http://www.arrl.org/news/rfsafety/>