

ATTACHMENT H – CFR15.247(b)(4) RF EXPOSURE COMPLIANCE

RF energy generated by EUT shall meet CFR1.1307 (b)(1) guideline.

RADIATED PEAK POWER	MAXIMUM CONDUCTED OUTPUT	ANTENNA GAIN
(dBm/m)	(dBm)	(dBi)
11.9	9.8	2.1

ANTENNA GAIN	MAXIMUM CONDUCTED OUTPUT	EIRP	EIRP	MPE DISTANCE	MINIMUM ALLOWABLE EXPOSURE SEPARATION DISTANCE
(dBi)	(dBm)	(dBm)	(mW)	(cm)	(cm)
2.1	9.8	11.9	15.5	<2.1	20
1. According to FCC Part 2.1091, the EUT should be classified as a mobile device. At normal usage results in more than 20cm separation between user and antenna. The Maximum Permissible Exposure (MPE) shown in 47 CFR1.1310 is 1mW/cm² for 2.4GHz band. 2. $EIRP = P \text{ (dB)}_{\text{(Max. Conducted output)}} + G \text{ (dB)}_{\text{(Antenna Gain)}}$ 3. MPE distance are based on a conservative “worst case” prediction. Using formula $S = EIRP / 4\pi R^2$ and no calculation for duty factor. In practice the minimum distance will be shorter.					

The following statement will be place in user’s manual:

“CAUTION: To comply with FCC RF exposure requirements, a separation distance of at least 8 inches (20cm) must be maintained between the antenna of this and all persons.”