

MPE Estimates, For XRY6000 DSSS-FH Radio

FCC ID: S5750025034

Industry Canada ID: 573I-50025034

$P_{app} = (P_{xmit} * G_{linear}) / (4 * \pi * d^2)$

$G_{linear} = \text{antilog}(G_{dbi}/10)$

XRY 6000, 2.4GHz DSSS-FH Radio (50025034)

Antenna Type	Antenna Part No.	Transmit Frequency	Max Peak Conducted Output Power	Antenna Gain	Minimum Antenna Cable Loss	Power Density @ 20 cm	General Population Exposure Limit from 1.1310	Ratio of Power Density to the Exposure Limit (Must be less than 1)
		(MHz)	(mW)	(dBi)	(dB)	(mW/cm ²)	(mW/cm ²)	
Omni (Dipole)	Centurion MAF94152 * Honeywell 50016185-001	2,402 - 2,482	113.76	-2	0	0.014	1.00	0.014280
Omni (Dipole)	Hyperlink WHON511 – 0001 Honeywell 50029933-001	2,402 - 2,483	113.76	4	0	0.057	1.00	0.056849
Omni (Dipole)	Hyperlink HGV-2409U Honeywell 50018414-001	2,402 - 2,483	113.76	8	1	0.113	1.00	0.113428
Directional (Dish)	Hyperlink HG2414D Honeywell 50018415-001	2,402 - 2,484	113.76	14	1	0.452	1.00	0.451564

Worst Case Ratio of Power Density to the Exposure Limit:

0.451564