

RFR EXPOSURE CALCULATIONS FOR PROPOSED CH17-DT Lewiston, ID

Site information:

Latitude: 46-27-04 N

Longitude: 117-02-46 W

Call	Channel	Owner	Frequency	ERP	COR	Status	Pwr Dens mW/cm ²
PROPOSED	17	KWSU	479	1,000	6	PROP	0.2375
K21CC	21	KING	518	180	10	TX LIC	0.0240
K35BW	35+	KHQ	602	174	8	TX LIC	0.0413
K45FZ	45-	KXLY	662	634	8.2	TX LIC	0.1410
K53GN	53	KSPS	710	1,320	10	TX LIC	0.1764
							0.6203 mW/cm ²

$$S = 33.4 (F^2) [0.4ERP] / R^2$$

$$R = \text{COR} - 2\text{m}$$

$$F = 0.8$$

Limit for Occupational/Controlled Exposure at 479 mHz (worst case) = 479/300 = 1.5967 Mw

Limit for Occupational/Controlled Exposure at 710 mHz = 710/300 = 2.3667 Mw

The site is remote and not accessible by the general public. The site is located on the crest of a hill at the end of a long private unimproved dirt access road through several wheat fields that require four-wheel drive most of the year. There are several gates on this road, one of which is locked and is approximately 1/2 mile from the site. No trespassing signs are posted by the site owner at the first gate nearest to the highway.