

Technical Statement
in support of
Results Broadcasting of Iron Mountain, Inc.
WOBE (FM), FCC Facility ID # 15015, Crystal Falls, MI
Minor Modification of License

Introduction:

Pursuant to 73.1690(c)(8) of the Commission's Rules, this modification of license application is being filed to reduce the Effective Radiated Power of the captioned station.

No physical changes are proposed.

Minor corrections to the antenna height and coordinates are included, based on a recent survey of the site, FAA no hazard determination, and ASR modification for the tower.

The data corrections include 1 m of antenna height above mean sea level, one second of latitude and two seconds of longitude. These changes are permitted on a modification of license application.

In addition, Height Above Average Terrain is corrected by 2 m, based on the survey coordinates and use of the FCC HAAT calculator with 360 radials.

It is requested that the 73.215 status of this station be deleted.

No other changes are proposed.

Complete tech box information is provided on the following page.

Rule compliance:

- The main studio location is 212 W, J Street, Iron Mountain, MI. It is located within the 70 dBu f(50,50) contour, as shown on the coverage map included in this statement, assuring compliance with 73.1125.
- Exhibits on the following pages show that WOBE will continue to provide the required 70 dBu f(50,50) contour over more than 80% of the area and population of the principal community. The application therefore complies with 73.315.
- WOBE has no auxiliary facilities, so 73.1675(a) is not implicated.
- The proposed power reduction is not requested or required in order to establish compliance with 73.3555.

Skywaves Consulting LLC
PO Box 4, Millbury, MA 01527
Main Number: 401-354-2400
Washington: 202-370-6357

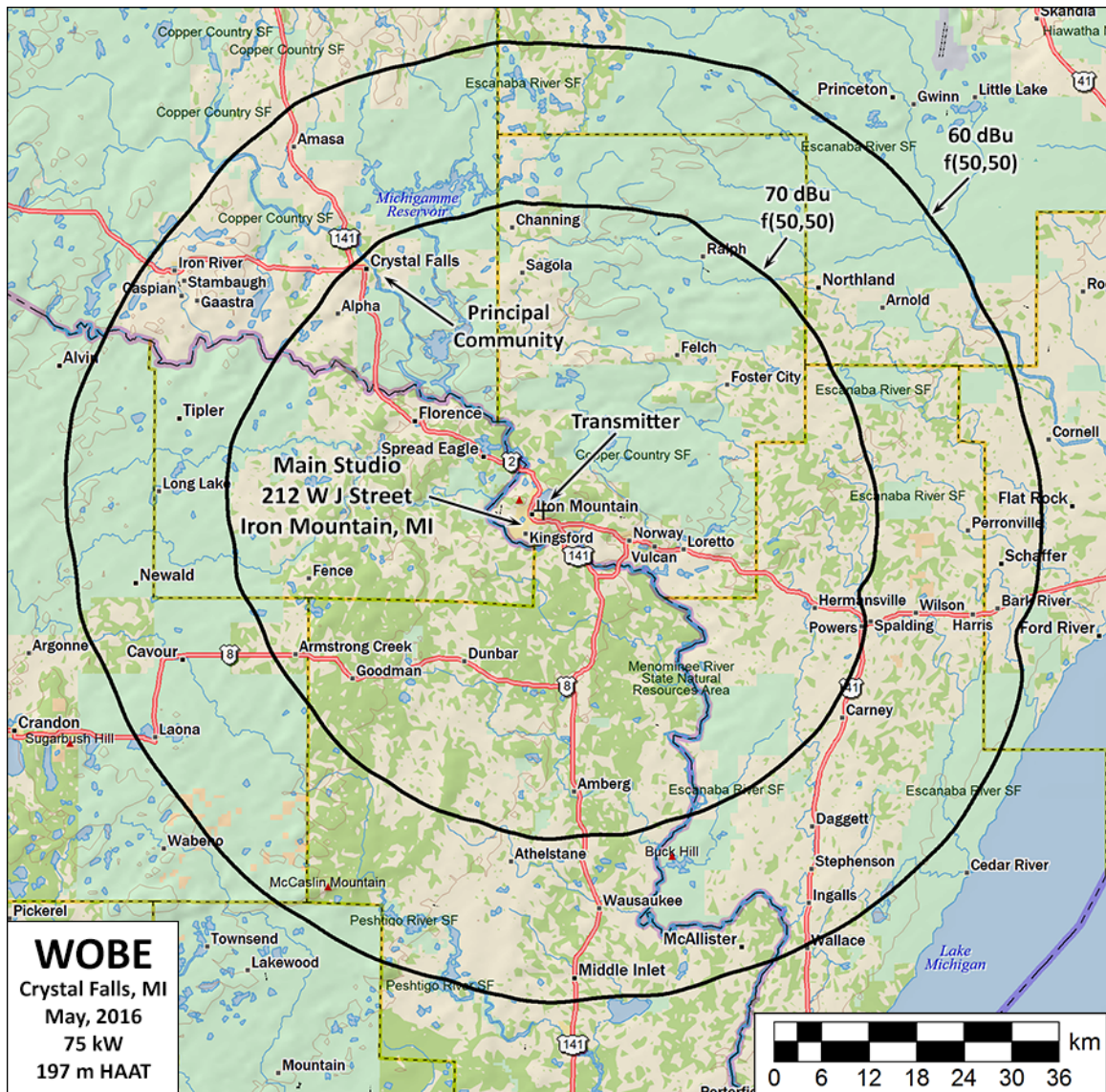
<http://www.skywaves.com>

consultants@skywaves.com
Copyright © 2016. All rights reserved.

Tech Box

Channel	264	
Class	C1	
Antenna Coordinates	45 49 15 N 88 02 36 W	
ASR	1008111	
Site elevation AMSL	478 m	
Overall HAGL	74 m	
Transmission parameters	H	V
RCAMSL	541 m	541 m
RCAGL	63 m	63 m
HAAT	197 m	197 m
ERP (Max)	75.0 kW	75.0 kW
Beam Tilt	Not applicable	
Transmitter power output	25.5 kW	
Antenna Data	Manufacturer	DIE
	Model	DCR6
	Sections	6
	Spacing	1.0 λ

Contour Map



The principal community of Crystal Falls is within the 70 dBu contour, northwest of the transmitter.

The main studio is located within the 70 dBu contour, satisfying the requirements of 73.1125.

Skywaves Consulting LLC
PO Box 4, Millbury, MA 01527
Main Number: 401-354-2400
Washington: 202-370-6357

<http://www.skywaves.com>

consultants@skywaves.com
Copyright © 2016. All rights reserved.

WOB Proposed
70 dBu f(50,50)

Principal Community Boundary

Map labels include: BUCKLE RD, PINE CLIFF RD, HILLTOP KELSO RD, OLD M-69, SHERIDAN DR, WILDERNESS PINE DR, BOXTOLINI RD, HOPE MINE RD, WIGGINS DR, SECTION 6 RD, DUMM CREEK, RAILROAD LAKE, RUNKLE LAKE, MUD LAKE, LINCOLN PARK, WESTERN LOCATION, WASHINGTON AVE, E SUPERIOR AVE, JOHANSON RD, BORTOLINI RD, SKI HILL RD, WATER ST, IRON ST, HIGH ST, N 6TH ST, N 5TH ST, N 4TH ST, N 3RD ST, N 2ND ST, N 1ST ST, S 1ST ST, S 2ND ST, S 3RD ST, S 4TH ST, S 5TH ST, S 6TH ST, S 7TH ST, S 8TH ST, S 9TH ST, S 10TH ST, S 11TH ST, S 12TH ST, S 13TH ST, S 14TH ST, S 15TH ST, S 16TH ST, S 17TH ST, S 18TH ST, S 19TH ST, S 20TH ST, S 21ST, S 22ND, S 23RD, S 24TH, S 25TH, S 26TH, S 27TH, S 28TH, S 29TH, S 30TH, S 31ST, S 32ND, S 33RD, S 34TH, S 35TH, S 36TH, S 37TH, S 38TH, S 39TH, S 40TH, S 41ST, S 42ND, S 43RD, S 44TH, S 45TH, S 46TH, S 47TH, S 48TH, S 49TH, S 50TH, S 51ST, S 52ND, S 53RD, S 54TH, S 55TH, S 56TH, S 57TH, S 58TH, S 59TH, S 60TH, S 61ST, S 62ND, S 63RD, S 64TH, S 65TH, S 66TH, S 67TH, S 68TH, S 69TH, S 70TH, S 71ST, S 72ND, S 73RD, S 74TH, S 75TH, S 76TH, S 77TH, S 78TH, S 79TH, S 80TH, S 81ST, S 82ND, S 83RD, S 84TH, S 85TH, S 86TH, S 87TH, S 88TH, S 89TH, S 90TH, S 91ST, S 92ND, S 93RD, S 94TH, S 95TH, S 96TH, S 97TH, S 98TH, S 99TH, S 100TH, S 101ST, S 102ND, S 103RD, S 104TH, S 105TH, S 106TH, S 107TH, S 108TH, S 109TH, S 110TH, S 111ST, S 112ND, S 113RD, S 114TH, S 115TH, S 116TH, S 117TH, S 118TH, S 119TH, S 120TH, S 121ST, S 122ND, S 123RD, S 124TH, S 125TH, S 126TH, S 127TH, S 128TH, S 129TH, S 130TH, S 131ST, S 132ND, S 133RD, S 134TH, S 135TH, S 136TH, S 137TH, S 138TH, S 139TH, S 140TH, S 141ST, S 142ND, S 143RD, S 144TH, S 145TH, S 146TH, S 147TH, S 148TH, S 149TH, S 150TH, S 151ST, S 152ND, S 153RD, S 154TH, S 155TH, S 156TH, S 157TH, S 158TH, S 159TH, S 160TH, S 161ST, S 162ND, S 163RD, S 164TH, S 165TH, S 166TH, S 167TH, S 168TH, S 169TH, S 170TH, S 171ST, S 172ND, S 173RD, S 174TH, S 175TH, S 176TH, S 177TH, S 178TH, S 179TH, S 180TH, S 181ST, S 182ND, S 183RD, S 184TH, S 185TH, S 186TH, S 187TH, S 188TH, S 189TH, S 190TH, S 191ST, S 192ND, S 193RD, S 194TH, S 195TH, S 196TH, S 197TH, S 198TH, S 199TH, S 200TH, S 201ST, S 202ND, S 203RD, S 204TH, S 205TH, S 206TH, S 207TH, S 208TH, S 209TH, S 210TH, S 211ST, S 212ND, S 213RD, S 214TH, S 215TH, S 216TH, S 217TH, S 218TH, S 219TH, S 220TH, S 221ST, S 222ND, S 223RD, S 224TH, S 225TH, S 226TH, S 227TH, S 228TH, S 229TH, S 230TH, S 231ST, S 232ND, S 233RD, S 234TH, S 235TH, S 236TH, S 237TH, S 238TH, S 239TH, S 240TH, S 241ST, S 242ND, S 243RD, S 244TH, S 245TH, S 246TH, S 247TH, S 248TH, S 249TH, S 250TH, S 251ST, S 252ND, S 253RD, S 254TH, S 255TH, S 256TH, S 257TH, S 258TH, S 259TH, S 260TH, S 261ST, S 262ND, S 263RD, S 264TH, S 265TH, S 266TH, S 267TH, S 268TH, S 269TH, S 270TH, S 271ST, S 272ND, S 273RD, S 274TH, S 275TH, S 276TH, S 277TH, S 278TH, S 279TH, S 280TH, S 281ST, S 282ND, S 283RD, S 284TH, S 285TH, S 286TH, S 287TH, S 288TH, S 289TH, S 290TH, S 291ST, S 292ND, S 293RD, S 294TH, S 295TH, S 296TH, S 297TH, S 298TH, S 299TH, S 300TH, S 301ST, S 302ND, S 303RD, S 304TH, S 305TH, S 306TH, S 307TH, S 308TH, S 309TH, S 310TH, S 311ST, S 312ND, S 313RD, S 314TH, S 315TH, S 316TH, S 317TH, S 318TH, S 319TH, S 320TH, S 321ST, S 322ND, S 323RD, S 324TH, S 325TH, S 326TH, S 327TH, S 328TH, S 329TH, S 330TH, S 331ST, S 332ND, S 333RD, S 334TH, S 335TH, S 336TH, S 337TH, S 338TH, S 339TH, S 340TH, S 341ST, S 342ND, S 343RD, S 344TH, S 345TH, S 346TH, S 347TH, S 348TH, S 349TH, S 350TH, S 351ST, S 352ND, S 353RD, S 354TH, S 355TH, S 356TH, S 357TH, S 358TH, S 359TH, S 360TH, S 361ST, S 362ND, S 363RD, S 364TH, S 365TH, S 366TH, S 367TH, S 368TH, S 369TH, S 370TH, S 371ST, S 372ND, S 373RD, S 374TH, S 375TH, S 376TH, S 377TH, S 378TH, S 379TH, S 380TH, S 381ST, S 382ND, S 383RD, S 384TH, S 385TH, S 386TH, S 387TH, S 388TH, S 389TH, S 390TH, S 391ST, S 392ND, S 393RD, S 394TH, S 395TH, S 396TH, S 397TH, S 398TH, S 399TH, S 400TH, S 401ST, S 402ND, S 403RD, S 404TH, S 405TH, S 406TH, S 407TH, S 408TH, S 409TH, S 410TH, S 411ST, S 412ND, S 413RD, S 414TH, S 415TH, S 416TH, S 417TH, S 418TH, S 419TH, S 420TH, S 421ST, S 422ND, S 423RD, S 424TH, S 425TH, S 426TH, S 427TH, S 428TH, S 429TH, S 430TH, S 431ST, S 432ND, S 433RD, S 434TH, S 435TH, S 436TH, S 437TH, S 438TH, S 439TH, S 440TH, S 441ST, S 442ND, S 443RD, S 444TH, S 445TH, S 446TH, S 447TH, S 448TH, S 449TH, S 450TH, S 451ST, S 452ND, S 453RD, S 454TH, S 455TH, S 456TH, S 457TH, S 458TH, S 459TH, S 460TH, S 461ST, S 462ND, S 463RD, S 464TH, S 465TH, S 466TH, S 467TH, S 468TH, S 469TH, S 470TH, S 471ST, S 472ND, S 473RD, S 474TH, S 475TH, S 476TH, S 477TH, S 478TH, S 479TH, S 480TH, S 481ST, S 482ND, S 483RD, S 484TH, S 485TH, S 486TH, S 487TH, S 488TH, S 489TH, S 490TH, S 491ST, S 492ND, S 493RD, S 494TH, S 495TH, S 496TH, S 497TH, S 498TH, S 499TH, S 500TH, S 501ST, S 502ND, S 503RD, S 504TH, S 505TH, S 506TH, S 507TH, S 508TH, S 509TH, S 510TH, S 511ST, S 512ND, S 513RD, S 514TH, S 515TH, S 516TH, S 517TH, S 518TH, S 519TH, S 520TH, S 521ST, S 522ND, S 523RD, S 524TH, S 525TH, S 526TH, S 527TH, S 528TH, S 529TH, S 530TH, S 531ST, S 532ND, S 533RD, S 534TH, S 535TH, S 536TH, S 537TH, S 538TH, S 539TH, S 540TH, S 541ST, S 542ND, S 543RD, S 544TH, S 545TH, S 546TH, S 547TH, S 548TH, S 549TH, S 550TH, S 551ST, S 552ND, S 553RD, S 554TH, S 555TH, S

The proposal therefore satisfies the requirements of 73.315.

73.215 status

WOBE is fully spaced to all allocations and operating facilities.

An application for Facility ID # 191493 in Tomahawk, WI, BNPH-20130724AFV, is short-spaced to WOBE. (This application is commonly attributable with WOBE.)

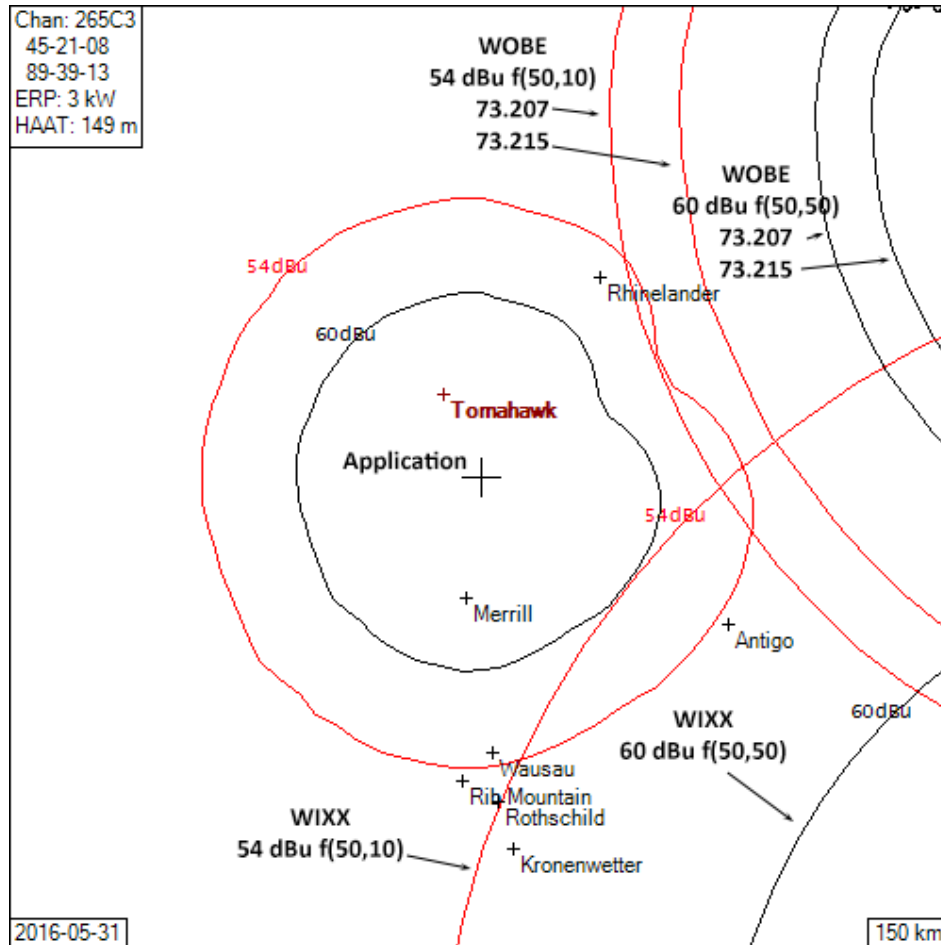
WOBE predates the Tomahawk application, and is fully spaced to the Tomahawk allocation.

Therefore, WOBE should not be categorized as a 73.215 short spaced station, and deletion of the 73.215 status of WOBE is respectfully requested.

Supplemental showing

Although it is not believed necessary to support the request, the following shows that there will be no impact on the Tomahawk application.

The Tomahawk application is also short-spaced to WIXX, Green Bay, WI, FCC Facility ID # 42087, which is more restrictive than WOBE:



The limiting factor on the non-directional ERP of the Tomahawk application is proximity of the proposed 60 dBu f(50,50) contour with the 54 dBu f(50,10) contour of WIXX. Changing the status of WOBE from a short-spaced 73.215 station to a fully spaced 73.207 station creates no new overlap with the proposal.

Skywaves Consulting LLC
PO Box 4, Millbury, MA 01527

Main Number: 401-354-2400

Washington: 202-370-6357

<http://www.skywaves.com>

consultants@skywaves.com
Copyright © 2016. All rights reserved.

Environmental

This application proposes to reduce the ERP, and therefore the RF exposure, of WOBE.

A contemporaneous application proposes to reduce the ERP of WJNR-FM, FCC Facility ID # 72151 from 100 kW to 52 kW.

No physical changes to the facilities are proposed.

The last license application for the site, BLH-20070620ADW, for WHTO, FCC Facility ID # 78163, included a RF exposure survey taken on June 9, 2007. The survey noted only two locations where RF exposure exceeded the limit for casual/uncontrolled exposure. These locations were "...the outer guy anchors to the North and South West..." The report included a recommendation for fencing and signage, which was followed by the licensee, as demonstrated in Exhibit 10 of the WHTO license application.

Since the applications for WOBE and WJNR-FM propose power reductions of 25% and 48% respectively, it is respectfully submitted that a further field RF exposure survey requirement is unnecessary.

-0-

Skywaves Consulting LLC
PO Box 4, Millbury, MA 01527

Main Number: 401-354-2400

Washington: 202-370-6357

<http://www.skywaves.com>

consultants@skywaves.com
Copyright © 2016. All rights reserved.