

**MCMLXV**

**1309 Coffeen Ave, Suite 1200, Sheridan, WY 82801, United States**

**Date: 2021/06/25**

Federal Communications Commission  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, MD

**FCC ID: 2A2EB-V20**

To whom it may concern:

We, **MCMLXV** declare that the MIF values detailed below are based on worst case. Operating modes for all air interfaces for which the HAC M-rating is provided based on the current methodology ANSI C63.19-2011 with pre-determined MIF values which provided by Speag.

UID	Communication System Name	MIF (dB)
10021	GSM-FDD (TDMA, GMSK)	3.63
10011	UMTS-FDD (WCDMA)	-27.23
10295	CDMA2000 (RC1, SO3, 1/8th Rate 25 fr.)	3.26
10170	LTE-FDD(SC-FDMA, 1RB, 20MHz, 16-QAM )	-9.76
10176	LTE-FDD(SC-FDMA, 1RB, 10MHz, 16-QAM )	-9.76
10173	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16QAM)	-1.44

Sincerely,



Name/Title: Vortex Cellular  
Company: MCMLXV  
Address: 1309 Coffeen Ave, Suite 1200, Sheridan, WY 82801, United States  
Phone: 3012550410  
Fax: 3017700650  
E-Mail: media@vortexcellular.com