FEDERAL COMMUNICATIONS COMMISSION
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MEDIA BUREAU
AUDIO DIVISION
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AUG 3 2017

Divine Mercy Communications, Inc.
2020 W. Eau Gallie Blvd, Suite 103
Melbourne, Florida 32935

Re: Divine Mercy Communications, Inc.
WDMC(AM), Melbourne, Florida
Facility ID Number: 68615
Construction Permit: BP-20140311ADU
File Number: BMML-20170512BCQ
Program Test Authority ("PTA")

Dear Applicant:

This is in reference to the above-captioned application and your request for program test authority for radio station WDMC(AM), Melbourne, Florida.

Authority is granted WDMC(AM) to conduct program tests, in accordance with construction permit BP-20140311ADU and Section 73.1620 of the Commission's rules, on 920 kHz with a daytime nominal power of 8.0 kilowatts and a nighttime nominal power of 4.0 kilowatts. Program tests are authorized with a daytime antenna input power of 8.42 kilowatts (common point current 12.98 amperes) and a nighttime antenna input power of 4.32 kilowatts (common point current 9.3 amperes). Program tests must be conducted with the antenna system adjusted in accordance with the enclosed specifications. Please notify this office of any discrepancies with the enclosed specifications.

This program test authority will expire on **November 3, 2017.**

A preliminary engineering study of the application reveals the following deficiencies:

1. The reference measured base impedances need to be submitted. Further it must be shown that the reference measured base impedances are within 2 ohms and 4 percent of the modeled impedances.
2. The method of moments showing is not correct because the third tower is not used daytime but has a voltage source in the day model in Exhibit 1.21- Day Pattern Synthesis and Exhibit 1.22- Day Pattern Summary.
3. The third tower was not properly detuned. (See Exhibit 1.22 – Day Pattern Summary).

Further action on the subject application will be withheld for thirty (30) days from the date of this letter in order to provide you an opportunity to file a curative amendment. The amendment must be submitted in the same manner as the original application. Failure to respond or file an amendment within this time period will result in the dismissal of the application pursuant to Section 73.3568 of the rules.

Sincerely,

Son Nguyen,
Supervisory Engineer
Audio Division
Media Bureau

cc: Dennis J. Kelly, Esq. (via e-mail only)
Richard P. Grzebik

Name of Licensee: DIVINE MERCY COMMUNICATIONS, INC.

Station Location: MELBOURNE, FL

Frequency (kHz): 920

Station Class: B

Antenna Coordinates:

		Day				
Latitude:	N	28 Deg	07 Min	15 Sec		
Longitude:	W	80 Deg	43 Min	12 Sec		
		Night				
Latitude:	N	28 Deg	07 Min	15 Sec		
Longitude:	W	80 Deg	43 Min	10 Sec		

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 8.0 Night: 4.0

Antenna Input Power (kW): Day: 4.0 Night: 2.0

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 8.94 Night: 6.32

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	60.7
2	None	60.7

Night:

Tower No.	ASRN	
1	None	60.7
2	None	60.7
3	None	60.7

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 854.937 Night: 645.029

Standard RMS (mV/m/km): Day: 898.175 Night: 678.134

Augmented RMS (mV/m/km):

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	TL/S
2	0.8800	-83.000	78.0000	88.500	0	TL/S

* Tower Reference Switch
0 = Spacing and orientation from reference tower
1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
1	65.2	15.00	.00	.00
2	65.2	15.00	.00	.00

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.6180	160.500	0.0000	0.000	0	TL/S
2	1.0000	0.000	78.0000	88.500	0	TL/S
3	0.4940	-159.500	169.0000	92.000	0	TL/S

* Tower Reference Switch
0 = Spacing and orientation from reference tower
1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
1	65.2	15.00	.00	.00
2	65.2	15.00	.00	.00
3	65.2	15.00	.00	.00

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
2	-81.1	0.848

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	159.5	0.622
2	0	1
3	-161.1	0.467

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 The permittee/licensee must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

2 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.

3 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 70.1 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.

4 Grant of this license application is conditioned on the continuous operation of the licensed facility for the twelve-month period following grant. The failure of the facility to so operate will result in the rescission of this grant, dismissal of the license application and the forfeiture of the associated construction permit pursuant to 47 C.F.R. § 73.3598(e) unless the licensee rebuts the presumption that the authorized facilities were temporarily constructed.

5 The licensee shall perform the measurements described in Section 73.155 at least once within every 24 month period.

Special operating conditions or restrictions:

6 Nighttime WDMC(AM) shall monitor not only the common point input power but also the power returned to the system and dissipated in the resistive dummy load. The power input to the system subtracting the power dissipated may not exceed 2.0 kilowatts. The resistive dummy load is 50 ohms and its current is 0.25 amperes.

*** END OF AUTHORIZATION ***