

Arizona Microradio Association

**Proposed
Arizona
99-25
LPFM Bandplan**

1. OVERVIEW

In this document, we demonstrate the need for frequency coordinators in the Low Power Radio Service. According to the REC Networks (REC) proposal, each state or region would have an FCC accredited frequency coordinator. Frequency Coordinators would perform the following functions:

- Maintain a master database of LPFM stations in the coordinator's jurisdiction as well as other LPFM stations within 100 km of the boundaries of the coordinator's jurisdiction.
- Establish an LPFM channel usage plan based on the specific needs of the coordinator's area.
- Receive requests for LPFM channels from prospective applicants.
- Use the LPFM database and the established band plan for the region to find a channel for the applicant which meets FCC interference guidelines yet provides minimal spacing in order to use spectrum more efficiently.
- Work with coordinated stations to work out short spacing agreements for stations which do not meet FCC interference guidelines but can operate without interference.
- Coordinate time sharing agreements between LPFM stations.

2. ARIZONA MICRORADIO ASSOCIATION

The Arizona Microradio Association (AZMA) was founded by Rich Eyre of REC Networks. The goal of AZMA is to become the frequency coordination council for the State of Arizona. If LPFM is legalized and the FCC accepts the policy of frequency coordinators, AZMA will then be a non-profit democratic organization. At that time, membership in AZMA will be open to all LPFM licensees. Paid membership in AZMA is not required to receive coordination services.

3. AZMA JURISTCTION

AZMA will provide coordination services to the entire state of Arizona plus the areas of California and Nevada along the Colorado River.

4. THE PHOENIX MEDIA MARKET BANDPLAN

Under the REC LPFM proposal, stations within 100 km of the top 50 media markets would have a power limit of 100 watts and the 100 watt stations (which REC refers to as "A3") would be primary instead of secondary. In AZMA's band plan, we attempt to place one 100 watt station in each incorporated city within Maricopa County. Due to the limited number of available allotments in the area, some cities may not receive an allotment and some smaller cities were allotted 10 watt (D2) stations. *REC's Phoenix Plan is just a demonstration of the ability of providing the most LPFM stations while avoiding interference to full powered broadcasters.* The key frequencies in the Phoenix area for 100 watt LPFM stations is 99.1 (channel 256) and 105.1 (channel 286). Other channels are used in certain portions of the county only.

In the outlying rural areas, AZMA was able to provide a single 100 watt (A3) allotment to most communities.

5. DISTANT TRANSLATORS IN THE PHOENIX AREA

Under the REC LPFM Plan, if there are no LPFM channels available for an applicant, the LPFM applicant can request a frequency that displaces a “distant” translator. (Primary station is more than 400 km away from the translator). Under the AZMA plan for Phoenix, displacement of distant translators on 89.9 (channel 210) in Phoenix and Mesa as well as the 91.1 (channel 216) translator in Guadalupe was required. No other translators in the state were displaced under the AZMA plan.

6. LPFM IN THE TUCSON AREA

Tucson is outside the Phoenix Media Market and is eligible for LP-1000 stations. In order to promote diversity, AZMA’s Tucson plan allows for more stations to get on the air by pre-coordinating only 100 watt (D1) and 250 watt (A2) channels in the area. Some outlying areas do have 1000 watt (A1) allotments.

7. LPFM IN RURAL ARIZONA

In most areas of Arizona, AZMA has allotted a 250 watt (A2) station in most communities. Communities with a minimum population of 10,000 (1990 Census) was also allotted a 1000-watt (A1) channel.

8. CHANNELS FOR COMMUNITIES WITHOUT ALLOTMENTS

Upon request, AZMA will allot a community in Arizona with a new channel. The channel must meet all FCC interference guidelines and does not conflict with any rural pre-coordination in Arizona or a rural pre-coordination in another state.

9. REQUESTS FOR LOWER POWER COORDINATIONS

Even though AZMA has pre-coordinated LPFM in Arizona, in many areas there’s plenty of additional channels available. If an LPFM applicant is proposing operation at a power which is lower than the channels pre-coordinated in the applicant’s community, AZMA will pre-coordinate a different channel if another channel is available. If no other channels are available, then AZMA will coordinate the operation on an available channel with the lower power limit.

10. REQUESTS FOR A HIGHER POWER COORDINATION

If AZMA receives a request for a higher power station on a channel which is designated for lower power (for example, running 1000 watts on a 250 watt coordinated channel), AZMA will review the channel to make sure that a higher power coordination will not violate FCC interference guidelines or AZMA’s short-spacing guidelines. If the channel is suitable for higher power operation, AZMA will grant the upgraded coordination.

11. REMOVAL AND RE-USE OF UNUSED PRECOORDINATIONS

We realize that not every community may not apply for an LPFM station and therefore we have reserved channels which no one would be interested in applying for. In the event that another area needs a new channel and no channels are available due to AZMA pre-coordinations in an area without LPFM service, AZMA will attempt to move the other community’s pre-coordination to another channel or completely delete the pre-coordination after giving notice to the LPFM community.

12. HIGH SCHOOL “SPLIT” CHANNELS

In the Phoenix and Tucson areas. AZMA is precoordinated every public high school on an FM channel. In the Phoenix area, most high schools will operate on 87.5 (channel 198) with overflow on 87.9 (channel 200) and other channels. In the Tucson area, the primary channel for high schools is 106.9 (channel 295) with overflow on 106.7 (channel 294) and other channels. In order to meet the needs of high school broadcasters as well as the needs of “hobby”, “community” broadcasters as well as churches who do not broadcast on a full time schedules, we will place these types of stations on the high school channels with a master timeshare agreement. High schools will operate on the channel Monday through Friday between 6AM and 5:50 PM local time. During the high school football season, high school station schedules will be extended to 11:50 PM on Friday nights. The other 10 watt licensees that operate on the split channels can operate between 6:00PM and 5:50PM local time Monday through Friday (during high school football season, non-high school station’s schedules will begin at 11:00PM on Friday nights) and all day on Saturdays and Sundays. Operations during summer and holiday vacation schedules will be coordinated between the high school stations and AZMA.

13. HIGH SCHOOL STATION INTERFERENCE CRITERIA

On the high school channels, AZMA will coordinate stations to meet FCC standards which is 7 km spacing between 10 watt stations. In some cases, AZMA will recommend spacing which is shorter than the 7 km guideline. In most cases, stations spaced between 6.4 and 7 km will receive short spacing. Other short spacing arrangements will be made when the stations are blocked by natural terrain. Several Phoenix area high school stations operate under short-spacing.

14. USE OF CHANNELS 198, 199 AND 200 (87.5-87.9)

The REC plan calls for the assignment of these channels to 10 watt (D2) microstations. Our proposed interference guideline is that the channel 199 is not available within 200km of a full powered TV Channel 6 station. Channels 198 and 200 require 138km spacing. Full powered Channel 6 stations are located in Tempe and Kingman. These channels also protect LPTV stations on Channel 6 with a minimum distance of 89 km for Channel 199 and 46 km for Channels 198 and 200. Out of all of the channels, channel 198 is available in most of Arizona. Channel 199 is available in very limited areas and AZMA will not coordinate on this channel in most cases. A typical case where AZMA may coordinate Channel 199 is where a second high school between 4 and 7 km is seeking coordination and Channel 199 is available. 10 watt operations on Channel 200 (87.9) must protect operations on Channel 201 (88.1).

15. CHANNEL SELECTION CRITERIA

Unless otherwise advised by the FCC, AZMA will use the following criteria when selecting channels. REC’s proposal calls for a totally non-commercial LPFM service. AZMA will try to coordinate as many stations to the reserved (88-92) band as possible. Frequencies are assigned to the power requested. For example, if the area has two channels, 212 which is a 250 watt channel and 268 which is a 100 watt channel and the station is proposing 100 watts, AZMA will assign on 268 (even though 212 is in the

reserved band). If both 212 and 268 were 250 watt channels and the applicant was requesting 100 watts, AZMA will allot Channel 212 as it is in the reserved band.

16. ASSIGNMENT OF CHANNEL 198 (87.5)

In areas where Channel 198 (87.5) is available, AZMA will assign this station exclusively to the high school weekday/split service. If no other channels are available, AZMA will coordinate a full-time 10 watt station to Channel 198.

17. TIME-SHARING ON OTHER CHANNELS

It is the expectation of AZMA that stations which propose to broadcast less than 12 hours a day would, upon request of AZMA or the FCC, go into a time share agreement with the new applicant. Stations are expected to adhere to their hours of operations. Any changes to the time share agreement should be communicated to AZMA.

18. SHORT SPACING

All coordinations are issued based on FCC interference guidelines which requires a specific distance between co-channel and first adjacent channel stations. Under REC's proposal, full power second adjacent and IF channels are protected from 250w (A2) and 1000W (A1) stations. In some situations, two LPFM stations can be separated at a distance shorter than the interference guidelines, especially where terrain shields the two stations. AZMA will review all short-spacing requests on a case by case basis and will communicate recommendations for short spacing to the FCC. AZMA will only short space LPFM stations. AZMA will never violate distance spacing guidelines between an LPFM station and a full power, channel 6, translator or booster station.

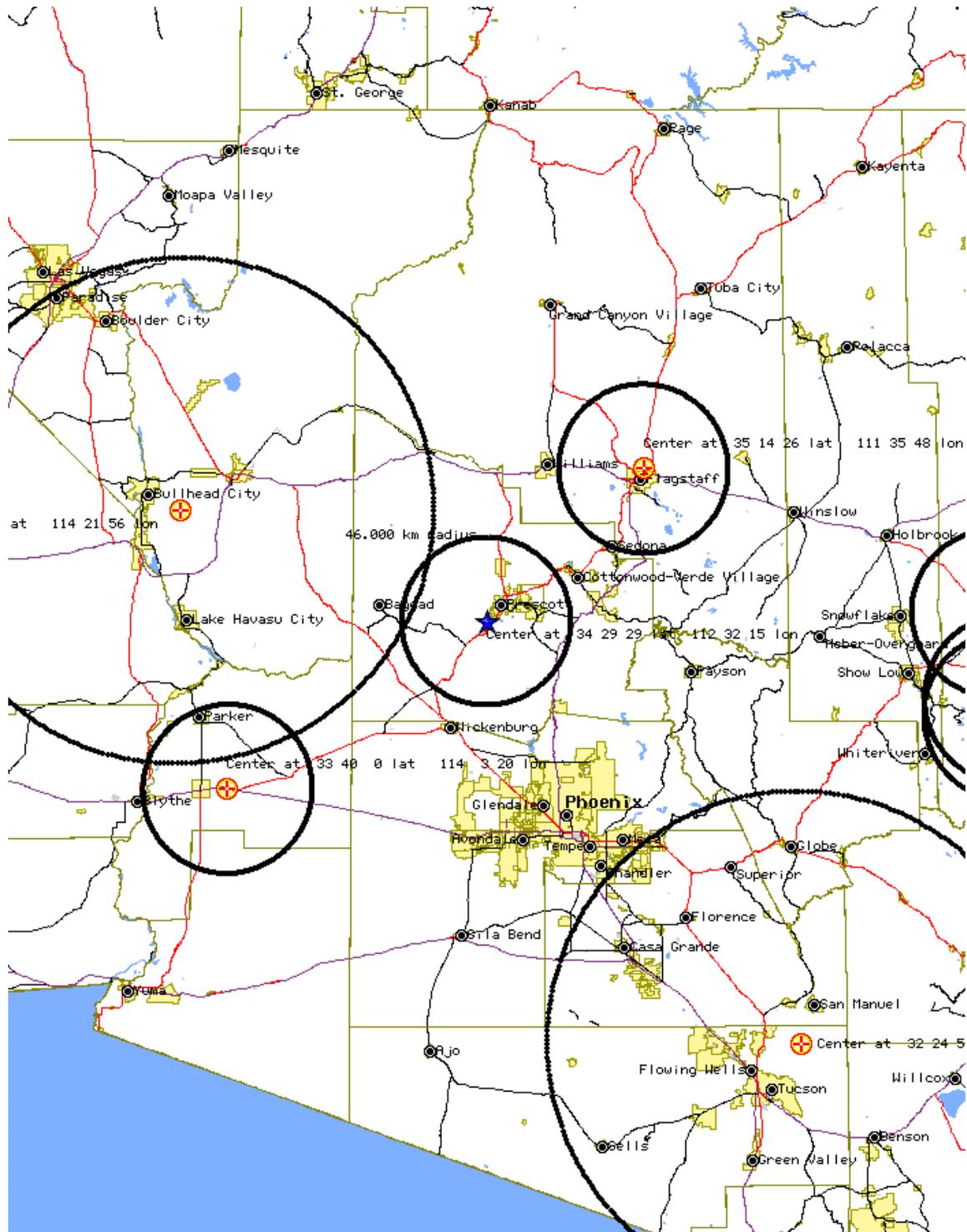
19. LOW POWER AM

In the REC proposal, 10 watt AM stations should be made available if no 10 watt FM channels are available. AZMA will pre-coordinate AM if no 10 watt FM channels are available and there are no short-spacing options available. AZMA has pre-coordinated several high schools on AM due to FM spectrum congestion.

20. CONCLUSION

AZMA feels that with proper frequency coordination and a level of self regulation, LPFM stations would be able to operate with maximum spectrum efficiency while preventing interference to other broadcast services.

APPENDIX B – AVAILABILITY OF 87.5 (CHANNEL 198) IN ARIZONA



APPENDIX C – PRECOORDINATED CHANNELS IN THE PHOENIX MEDIA MARKET

Arizona City	204A3
AkChin Village	286A3
Apache Junction	286A3
Avondale	210A3
Black Canyon City	243A3
Buckeye	256A3
Casa Grande	205A3
Cave Creek/Carefree	286A3
Chandler	na
Coolidge	210A3
El Mirage	297A3
Eloy	210A3
Florence	216A3
Fort McDowell	256A3
Fountain Hills	286A3
Gila Bend	210A3
Gila River-Wild Horse Pass	256A3
Gilbert	210A3
Glendale	286A3
Goodyear	286A3
Guadalupe	257D2
Litchfield Park	247A3
Maricopa	204A3
Mesa Central	257A3
Mesa-Downtown	200D2
Mesa-East	270A3
Morristown	224A3
Palo Verde	204A3
Paradise Valley	200D2
Peoria	na
Phoenix-Ahwatukee	252A3
Phoenix-Deer Valley	243A3
Phoenix-Maryvale	na
Phoenix-Northeast	na
Phoenix-South	210A3
Phoenix-Sunnyslope	na
Queen Creek	231A3
Sacaton	256A3
Salt River Indian Cmty	200D2
Scottsdale	256A3
Scottsdale-North	256A3
Stanfield	205A3
Sun City	256A3
Sun City West	243A3
Sun Lakes	286A3
Superior	216D2

Surprise	205A3
Tempe-Downtown	200D2
Tempe-North	286A3
Tempe-South	na
Tolleson	200D2
Tonopah	206A3
Waddell	257A3
Wickenburg	243A3
Williams Gateway	256A3
Wittman	229A3
Youngtown	200D2

APPENDIX D – TUCSON PRE-COORDINATIONS

Tucson-South	239D1
Tucson-Three Points	237A2
Tucson-Oro Valley	219D1
Tucson-Tanque Verde	208A2
Tucson-Foothills	283A2
Tucson-Cortaro	289A2
Tucson-Avra Valley	209A2
Tucson-San Xavier	243A2
Tucson-Catalina	244D1
Tucson Estates	265A2
Tucson-Flowing Wells	279A2
Tucson-Valencia West	286A2

APPENDIX E-RURAL ARIZONA PRE-COORDINATIONS

			198	199	200	Population
Ajo	203A2		N	N	N	2919
Benson	204A2		N	N	N	3824
Bisbee	203A2	208A1	N	N	N	6288
Bullhead City	202A2	215A1	N	N	N	21951
Camp Verde	242A2		Y	N	N	6243
Chino Valley	217A2	259A1	N	N	N	4837
Clarkdale	206A2		Y	N	N	7574
Cornville	232A2		Y	N	N	2612
Cottonwood	263A2		Y	N	N	8530
Dewey	242A2		N	N	N	3965
Douglas	224A1	228A2	N	N	N	17350
Eagar	205A2		N	N	N	482
Elfrida	203A2		N	N	N	1655
Flagstaff	222A1	227A2	N	N	N	26878
Fort Huachuca	204A2		N	N	N	8710
Fredonia	208A2		Y	N	Y	1393
Ganado	205A2	210A1	Y	N	Y	23428
Globe	205A2	270A1	N	N	N	13240
Golden Valley	202A2		N	N	N	2619
Green Valley	205A2	209A1	N	N	N	15530
Hereford	262A2		N	N	N	1762

Holbrook	207A2		Y	N	N	5567
Huachuca City	207A2		N	N	N	3639
Kingman	203D1	236A2	N	N	N	32002
Lake Havasu City	203A2	207A1	N	N	N	24363
Marana	243A2		N	N	N	2187
Mayer	243D2		N	N	N	3248
Miami	207A2		N	N	N	4866
Mohave Valley	236A2		N	N	N	4139
Morenci	206A2		N	N	N	5223
Nogales	260A1	264A1	N	N	N	19489
Parker	214A2		N	N	N	2897
Payson	288A2		Y	Y	Y	13456
Pima	206A2		N	N	N	1725
Prescott	221D1	232D1	N	N	N	26455
Prescott Valley	296D1		N	N	N	8858
Rimrock	217A2		Y	N	Y	1743
Roll	204A2		Y	Y	Y	959
Safford	210A2		N	N	N	2676
Sahuarita	272A2		N	N	N	2973
Saint David	206A2		N	N	N	1928
San Manuel	205A2		N	N	N	6523
Sedona	277A2		Y	N	Y	7720
Show Low	205A2	209A1	Y	N	Y	16493
Sierra Vista	245A1	275A1	N	N	N	32983
Snowflake	207A2		Y	N	Y	6678
Somerton	238A2		Y	N	N	5282
Thatcher	227A1	233A2	N	N	N	15375
Vail	237A2		N	N	N	2843
Willcox	206A2		N	N	N	7297
Williams	217A2		Y	N	Y	6117
Winslow	214A1	218A2	Y	Y	N	17429
Yuma	223A1	240A2	Y	N	N	54923
	260A1	275A2				

APPENDIX F – LPFM IN ARIZONA BY CHANNEL

198	87.5	D2	Agua Fria North HS	Weekdays Only
		D2	Agua Fria South HS	Weekdays Only
		D2	Phoenix-Alhambra HS	Wkdys Only-Shsp w/Glendale HS 6.2km
		D2	Phoenix-Barry Goldwater HS	Weekdays Only
		D2	Buckeye Union HS	Weekdays Only
		D2	Glendale-Cactus HS	Weekdays Only
		D2	Phoenix-Camelback HS	Weekdays Only
		D2	Chandler HS	Weekdays Only
		D2	Scottsdale-Chaparral HS	Weekdays Only
		D2	Tempe-Corona Del Sol HS	Wkdys Only-Shrtspcd w/Dobson 6.7km
		D2	Scottsdale-Coronado HS	Wkdys Only-Shortsp w/Phx-East 5.8km (terrain)
		D2	Scottsdale-Desert Mountain HS	Wkdys only-shsp w/Fountain Hills HS 6.8km (+terrain)
		D2	Phoenix-Desert Vista HS	Weekdays Only
		D2	Mesa-Dobson HS	Wkdys Only-Shortspaced w/CoronaDel Sol 6.7km

198	87.5	D2	El Mirage-Dysart HS	Weekdays Only
		D2	Phoenix-East HS	WkdysOnly-Shortsp w/Coronado 5.8 (terrain)
		D2	Fountain Hills HS	Wkdays Only-Shsp w/Desert Mtn HS 6.8km (+terrain)
		D2	Gila Bend HS	Weekdays Only
		D2	Gilbert HS	Weekdays Only-Shsp w/ Highland HS
		D2	Glendale HS	Weekdays-Shsp w/Alhambra HS 6.2km
		D2	Mesa-Highland HS	WkdysOnly-Shsp w/ Gilbert HS 6.5km
		D2	Mesa-Mountain View HS	Weekdays Only
		D2	Phoenix-North Canyon HS	Weekdays Only
		D2	Mesa-Red Mountain HS	Weekdays Only
		D2	Scottsdale-Saguaro HS	Weekdays Only
		D2	Phoenix-Shadow Mountain HS	Weekdays Only-Shsp Sunnyslope 5.2 km (terrain)
		D2	Phoenix-South Mountain HS	Weekdays Only
		D2	Phoenix-Sunnyslope HS	Weekdays Only-Shsp Shadow Mtn 5.2km (terrain)
		D2	Peoria-Sunrise Mountain HS	Weekdays Only-Shsp Deer Vly (6.8) & Cactus (6.6)
		D2	Tempe HS	Weekdays Only-Shsp with Phoenix East HS 5.8km
		D2	Phoenix-Thunderbird HS	Weekdays Only-Shsp Sunnyslope 5.6 km (terrain)
		D2	Tolleson HS	Weekdays Only-Shsp Agua Fria S. 7.0km
		D2	Wickenburg HS	Weekdays Only
		D2	Ajo HS	Weekdays Only
200	87.9	D2	Mesa-Downtown	
		D2	Paradise Valley	
		D2	Salt River Indian Community	
		D2	Tempe-Downtown	Shsp w/Marcos DeNiza HS 6.8 km
		D2	Tolleson	
		D2	Youngtown	
		D2	Peoria-Centennial HS	Wkdys Only-Shortsp w/Deer Valley HS 7.0km
		D2	Phoenix-Central HS	Weekdays Only
		D2	Phoenix-Cortez HS	Wkdys Only-Shsp w/Greenway HS 6.9 km
		D2	Phoenix-Deer Valley HS	Wkdys Only-Shortspaced w/Centennial HS 7.0km
		D2	Phoenix-Greenway HS	Wkdays Only-Shsp w/Cortez HS 6.9km
		D2	Phoenix-Horizon HS	Weekdays Only
		D2	Glendale-Independence HS	Weekdays Only
		D2	Tempe-Marcos De Niza HS	Weekdays Only-Shsp w/Downtown Tempe 6.8 km
		D2	Phoenix-Mountain Pointe HS	Weekdays Only
		D2	Glendale-Mountain Ridge HS	Weekdays Only
202	88.3	A2	Bullhead City	
		A2	Golden Valley	
203	88.5	A2	Ajo	
		A2	Bisbee	Border area-recommend directional antenna
		A2	Elfrida	
		D1	Kingman	
		A2	Lake Havasu City	
204	88.7	A3	Arizona City	
		A2	Benson	
		A2	Fort Huachuca	
		A3	Maricopa	
		A3	Palo Verde	

204	88.7	A2	Roll	
205	88.9	A3	Surprise	
		A3	Casa Grande	
		A2	Eagar	
		A1	Ganado	
		A2	Globe	
		A2	Green Valley	
		A2	San Manuel	
		A2	Show Low	
		A3	Stanfield	
206	89.1	A2	Clarkdale	
		A2	Morenci	
		A2	Pima	
		A2	Saint David	
		A3	Tonopah	
		A2	Willcox	
207	89.3	A2	Holbrook	
		A2	Huachuca City	
		A1	Lake Havasu City	
		A2	Miami	
		A2	Snowflake	
208	89.5	A2	Fredonia	
		A2	Tucson-Tanque Verde	
209	89.7	A1	Green Valley	
		A1	Show Low	
		A2	Tucson-Avra Valley	
210	89.9	A3	Phoenix-South	Displaces K210BZ/Phoenix New-T/Mesa
		A3	Gilbert	
		A3	Avondale	
		A3	Coolidge	
		A3	Gila Bend	
		A3	Eloy	
		A2	Ganado	
		A2	Safford	
211	90.1	D2	Tucson Magnet HS	Weekdays Only
214	90.7	A2	Parker	
		A1	Winslow	
215	90.9	A1	Bullhead City	
216	91.1	D2	Apache Junction HS	Weekdays Only
		D2	Tempe-McClintock HS	Weekdays Only-Displaced Dist Trans in Guadalupe
		D2	Mesa HS	Weekdays Only
		A3	Florence	
		D2	Superior	
217	91.3	A2	Chino Valley	
		A2	Rimrock	
		A2	Williams	
218	91.5	A2	Winslow	
219	91.7	D1	Tucson-Oro Valley	

219	91.7	D2	Tucson University/Rincon HS	Weekdays Only
221	92.1	D1	Prescott	
222	92.3	A1	Flagstaff	
223	92.5	A1	Yuma	Border area-recommend directional antenna
224	92.7	A1	Douglas	Border area-recommend directional antenna
		A3	Morristown	
227	93.3	A2	Flagstaff	
		A1	Thatcher	
228	93.5	A2	Douglas	Border area-recommend directional antenna
231	94.1	A3	Queen Creek	
232	94.3	A2	Cornville	
	94.3	A2	Prescott	
233	94.5	A2	Thatcher	
236	95.1	A2	Kingman	
		A2	Mohave Valley	
237	95.3	A2	Vail	
		A2	Tucson-Three Points	
238	95.5	A2	Somerton	Border area-recommend directional antenna
239	95.7	D1	Tucson-South	
240	95.9	A2	Yuma	Border area-recommend directional antenna
242	96.3	A2	Camp Verde	
		A2	Dewey	
243	96.5	A3	Phoenix-Deer Valley	
		A3	Sun City West	Site restriction, 2km west
		A3	Wickenburg	
		A3	Black Canyon City	
		A2	Marana	
		D2	Mayer	
		A2	Tucson-San Xavier District	
245	96.9	A1	Sierra Vista	
247	97.3	A3	Litchfield Park	
252	98.3	A3	Phoenix-Ahwatukee	
256	99.1	A3	Sun City	
		A3	Scottsdale	
		A3	Fort McDowell	
		A3	Sacaton	
		A3	Gila River-Wild Horse Pass	
		A3	Buckeye	
		A3	Williams Gateway	
		A3	Scottsdale-North	
		D2	Phoenix-Carl Hayden HS	Weekdays Only
257	99.3	A3	Mesa-Central	
		D2	Guadalupe	
260	99.9	A1	Nogales	Border area-recommend directional antenna
		A1	Yuma	Border area-recommend directional antenna
262	100.3	A2	Hereford	
263	100.5	A2	Cottonwood	
264	100.7	A1	Nogales	Border area-recommend directional antenna

265	100.9	A2	Tucson Estates	
266	101.1	D2	Tucson-Salpointe HS	Weekdays Only
270	101.9	A3	Mesa-East	Short spaced with Queen Creek HS (D2) 17.4km
		D2	Queen Creek HS	Short spaced with East Mesa 17.4km
		A1	Globe	
272	102.3	A2	Sahuarita	
275	102.9	A1	Sierra Vista	Border area-recommend directional antenna
		A2	Yuma	Border area-recommend directional antenna
277	103.3	A2	Sedona	
279	103.7	A2	Tucson-Flowing Wells	
283	104.5	A2	Tucson-Foothills	
286	105.1	A3	North Tempe	
		A3	Glendale	
		A3	Apache Junction	
		A3	Carefree-Cave Creek	
		A3	Goodyear	
		A3	Ak Chin Village	
		A3	Sun Lakes	
		A3	Fountain Hills	
		D2	Paradise Valley HS	Weekdays Only
		A2	Tucson -Valencia West	
288	105.5	A2	Payson	
289	105.7	A2	Tucson-Cortaro	
294	106.7	D2	Tucson-Ampitheater HS	Weekdays Only
		D2	Tucson-Howenstine HS	Weekdays Only
		D2	Tucson-Sabino HS	Weekdays Only
		D2	Tucson-Santa Rita HS	Weekdays Only
295	106.9	D2	Oro Valley-Canyon Del Oro HS	Weekdays Only
		D2	Tucson-Catalina HS	Weekdays Only
		D2	Tucson-Cholla HS	Weekdays Only
		D2	Tucson-Desert View HS	Weekdays Only
		D2	Tucson-Greenfields Country Day Schl	Weekdays Only
		D2	Tucson-Mountain View HS	Weekdays Only
		D2	Marana HS	Weekdays Only
		D2	Tucson-Sahuaro HS	Weekdays Only
		D2	Sahuarita HS	Weekdays Only
296	107.1	D1	Prescott Valley	
		D2	Tucson-Flowing Wells HS	Weekdays Only
		D2	Tucson-Catalina Foothills HS	Weekdays Only
297	107.3	A3	El Mirage	

APPENDIX G – LOW POWER AM IN PHOENIX

1630	AM	Peoria-Ironwood
		Avondale-Westview HS
1640	AM	Phoenix-North HS
1650	AM	Phoenix-Maryvale HS
1670	AM	Phoenix-Moon Valley HS
1660	AM	Phoenix-Washington HS
1680	AM	Phoenix-Trevor Browne HS
1690	AM	Peoria HS
		Mesa-Westwood HS
1700	AM	Metro Tech

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This document is a working concept of how frequency coordination would work in the LPFM service.