

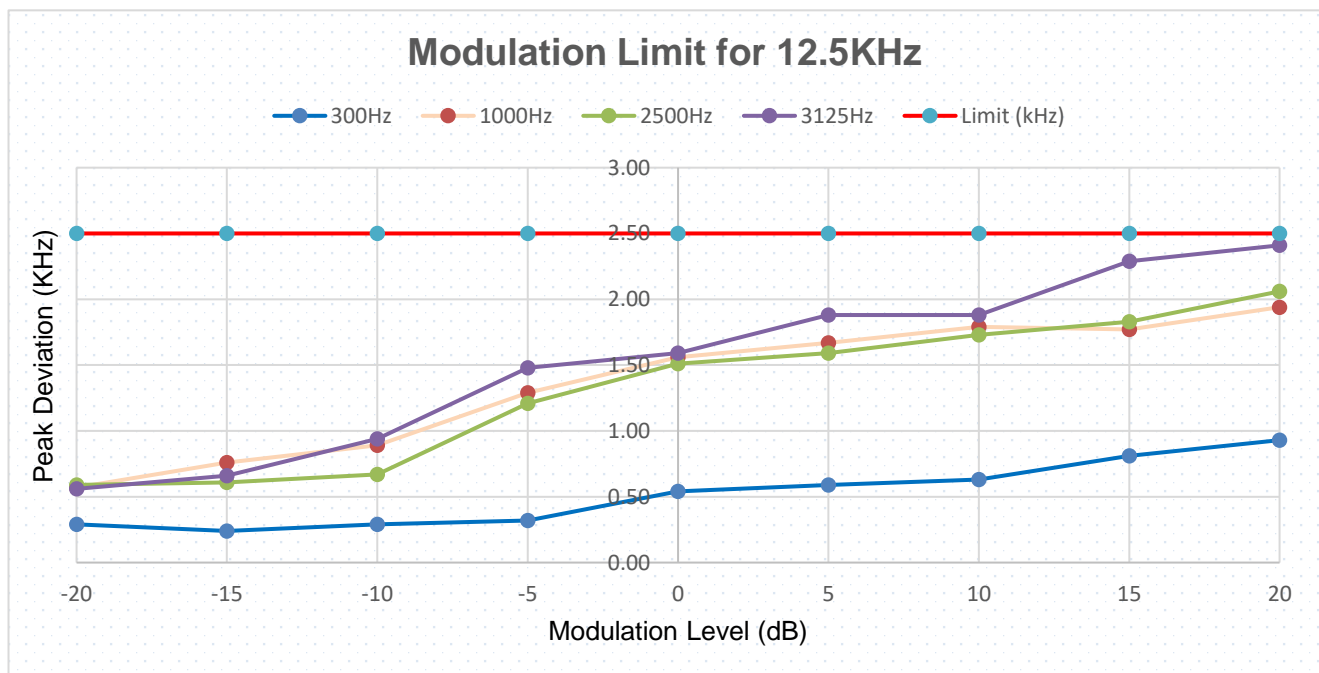
APPENDIX A
MAXIMUM TRANSMITTER POWER TEST DATA

Operation Mode	Channel	Frequency (MHz)	ERP (dBm)	ERP (W)	Limits (W)	Margin (W)	Pass/Fail
FRS	1	462.6525	25.32	0.3404	2.00	-1.6596	Pass
	4	462.6375	24.81	0.3027	2.00	-1.6973	Pass
	7	462.7125	24.35	0.2723	2.00	-1.7277	Pass
	8	467.5625	22.86	0.1932	0.50	-0.3068	Pass

APPENDIX B MODULATION LIMIT TEST DATA

GMRS/FRS: Channel 4						
Modulation Level (dB)	Peak frequency deviation (kHz)				Limit (kHz)	Pass / Fail
	300Hz	1000Hz	2500Hz	3125Hz		
-20	0.29	0.57	0.59	0.56	2.50	Pass
-15	0.24	0.76	0.61	0.66	2.50	Pass
-10	0.29	0.89	0.67	0.94	2.50	Pass
-5	0.32	1.29	1.21	1.48	2.50	Pass
0	0.54	1.56	1.51	1.59	2.50	Pass
5	0.59	1.67	1.59	1.88	2.50	Pass
10	0.63	1.79	1.73	1.88	2.50	Pass
15	0.81	1.77	1.83	2.29	2.50	Pass
20	0.93	1.94	2.06	2.41	2.50	Pass

The test plot as follows:

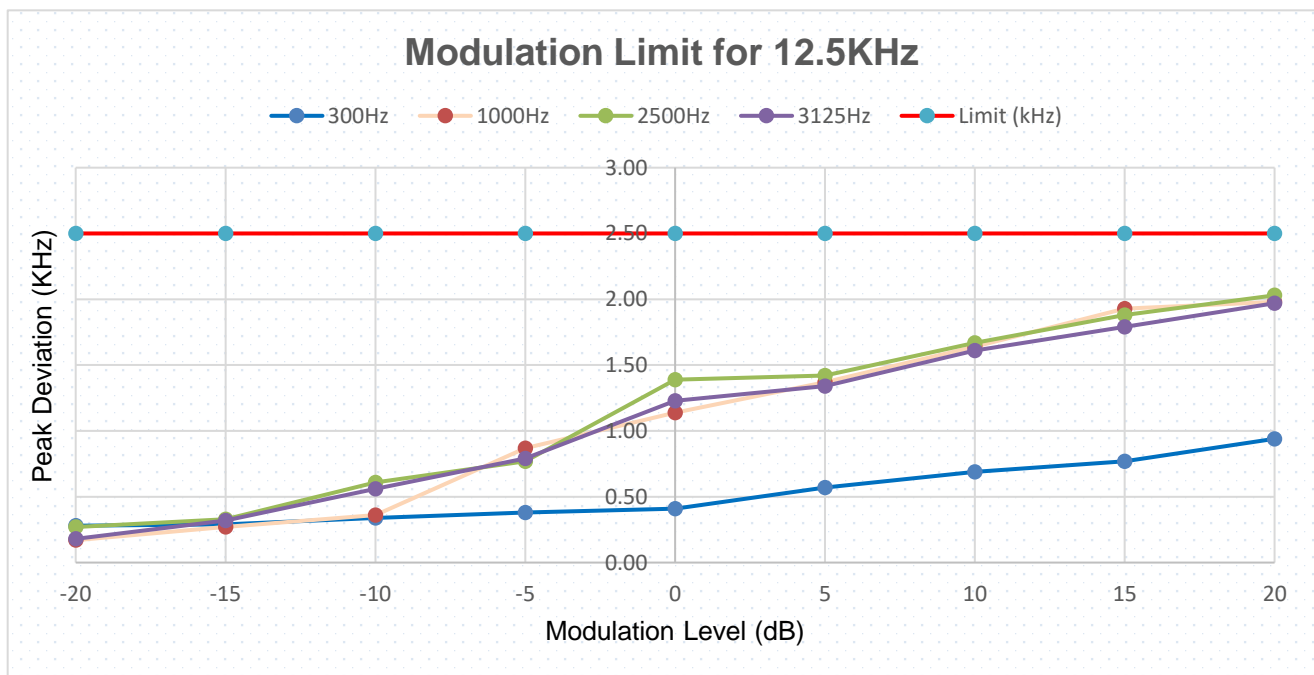


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APPENDIX B MODULATION LIMIT TEST DATA

FRS: Channel 8						
Modulation Level (dB)	Peak frequency deviation (kHz)				Limit (kHz)	Pass / Fail
	300Hz	1000Hz	2500Hz	3125Hz		
-20	0.28	0.17	0.27	0.18	2.50	Pass
-15	0.29	0.27	0.33	0.32	2.50	Pass
-10	0.34	0.36	0.61	0.56	2.50	Pass
-5	0.38	0.87	0.77	0.79	2.50	Pass
0	0.41	1.14	1.39	1.23	2.50	Pass
5	0.57	1.37	1.42	1.34	2.50	Pass
10	0.69	1.64	1.67	1.61	2.50	Pass
15	0.77	1.93	1.88	1.79	2.50	Pass
20	0.94	1.98	2.03	1.97	2.50	Pass

The test plot as follows:



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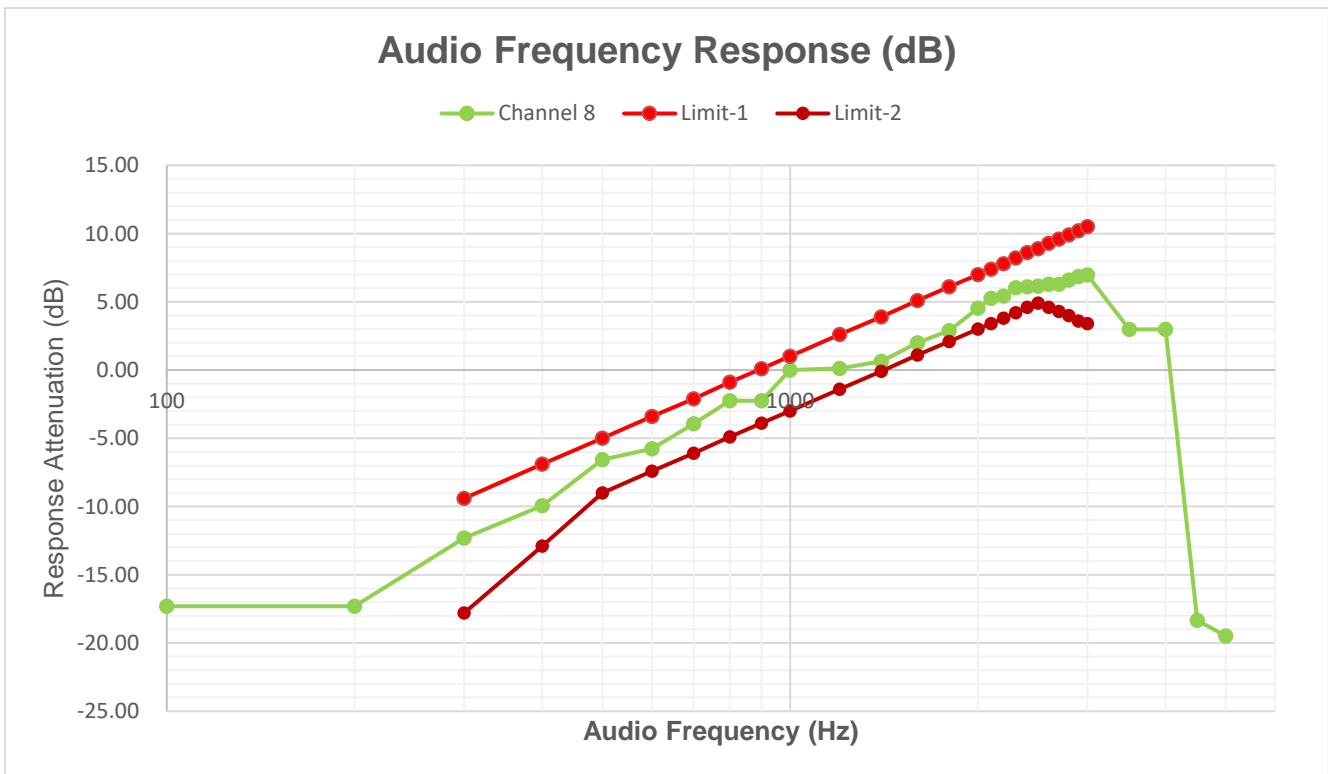
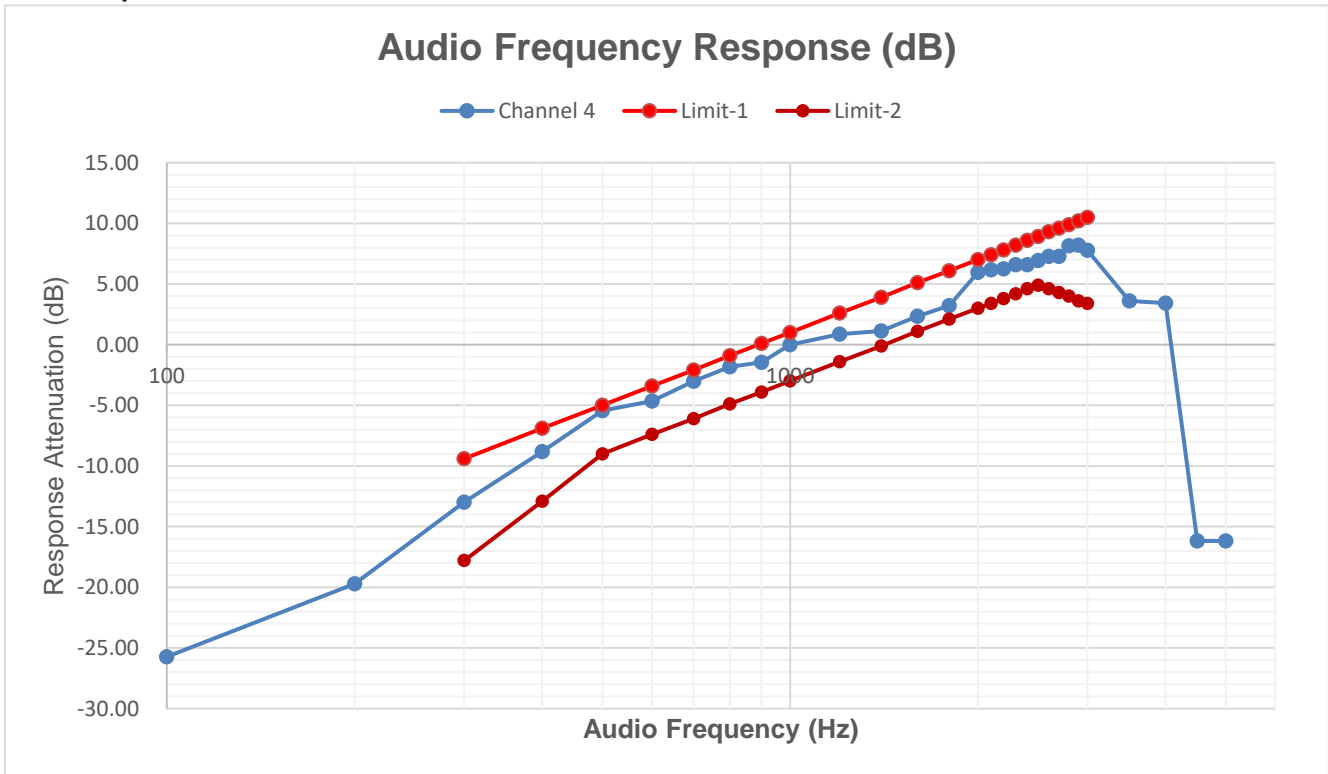
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Audio Frequency (Hz)	Frequency Deviation			Audio Frequency Response (dB)			Limit-1	Limit-2
	Channel 4	Channel 8	-	Channel 4	Channel 8	-		
100	0.03	0.09	-	-25.73	-17.31	-		
200	0.06	0.09	-	-19.71	-17.31	-		
300	0.13	0.16	-	-12.99	-12.31	-	-9.40	-17.80
400	0.21	0.21	-	-8.82	-9.95	-	-6.90	-12.90
500	0.31	0.31	-	-5.44	-6.56	-	-5.00	-9.00
600	0.34	0.34	-	-4.64	-5.76	-	-3.40	-7.40
700	0.41	0.42	-	-3.01	-3.93	-	-2.10	-6.10
800	0.47	0.51	-	-1.83	-2.24	-	-0.90	-4.90
900	0.49	0.51	-	-1.46	-2.24	-	0.10	-3.90
1000	0.58	0.66	-	0.00	0.00	-	1.00	-3.00
1200	0.64	0.67	-	0.86	0.13	-	2.60	-1.40
1400	0.66	0.71	-	1.12	0.63	-	3.90	-0.10
1600	0.76	0.83	-	2.35	1.99	-	5.10	1.10
1800	0.84	0.92	-	3.22	2.88	-	6.10	2.10
2000	1.15	1.11	-	5.95	4.52	-	7.00	3.00
2100	1.18	1.21	-	6.17	5.26	-	7.40	3.40
2200	1.19	1.23	-	6.24	5.41	-	7.80	3.80
2300	1.24	1.32	-	6.60	6.02	-	8.20	4.20
2400	1.24	1.33	-	6.60	6.09	-	8.60	4.60
2500	1.29	1.34	-	6.94	6.15	-	8.90	4.90
2600	1.34	1.36	-	7.27	6.28	-	9.30	4.60
2700	1.34	1.36	-	7.27	6.28	-	9.60	4.30
2800	1.48	1.41	-	8.14	6.59	-	9.90	4.00
2900	1.49	1.45	-	8.20	6.84	-	10.20	3.60
3000	1.42	1.47	-	7.78	6.96	-	10.50	3.40
3500	0.88	0.93	-	3.62	2.98	-		
4000	0.86	0.93	-	3.42	2.98	-		
4500	0.09	0.08	-	-16.18	-18.33	-		
5000	0.09	0.07	-	-16.18	-19.49	-		
Pass/Fail	Pass							

APPENDIX C

AUDIO FREQUENCY RESPONSE TEST DATA

The test plot as follows:



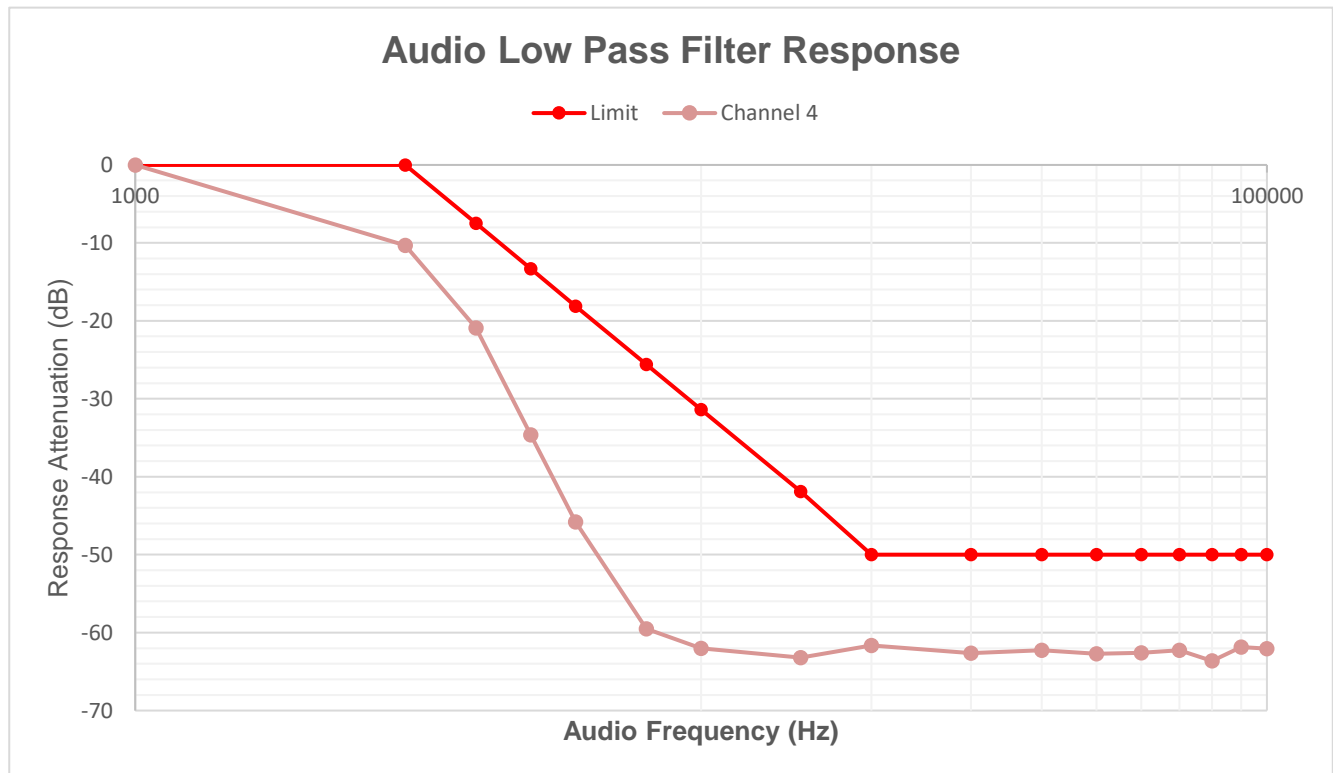
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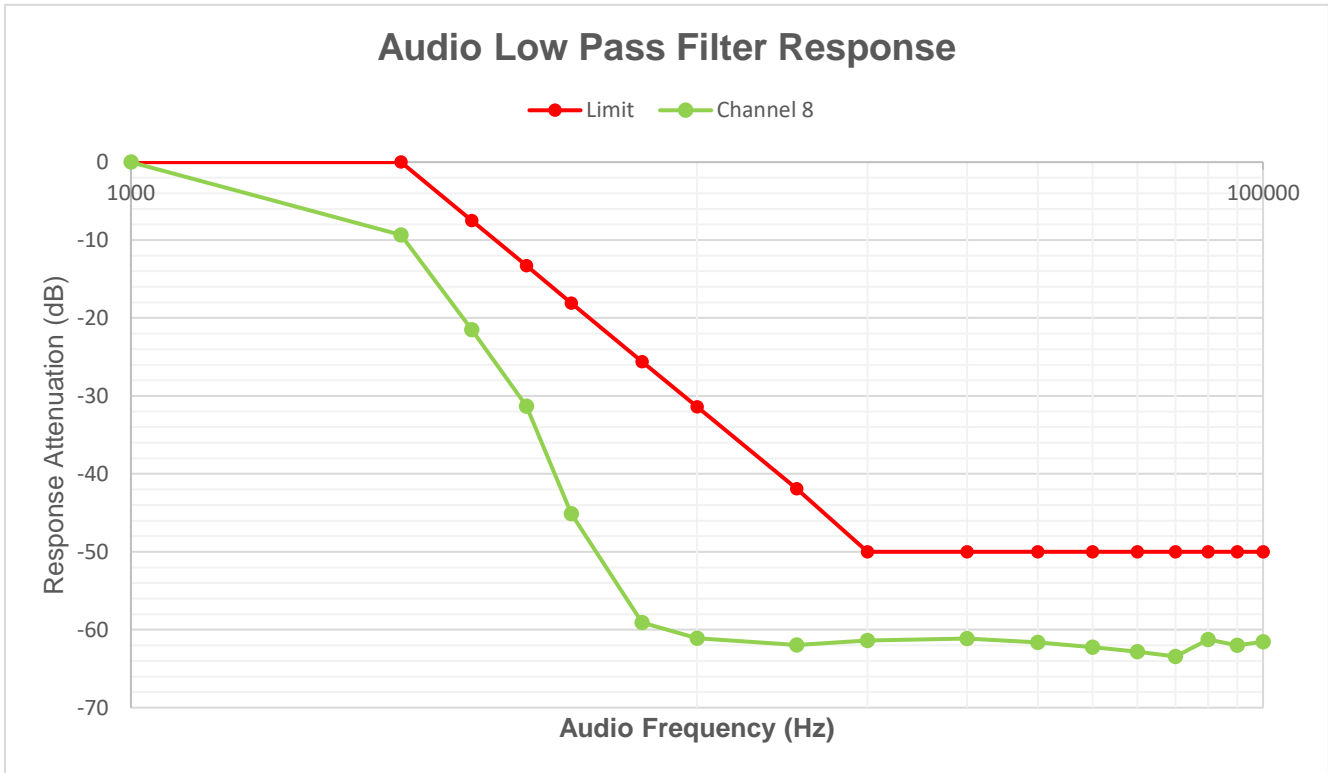
Audio Frequency (Hz)	Measured value (dB)			Response Attenuation (dB)			Limit	Pass/Fail
	Channel 4	Channel 8	-	Channel 4	Channel 8	-		
1000	-0.15	-0.36	-	0.00	0.00	-	0.00	Pass
3000	-10.45	-9.68	-	-10.31	-9.32	-	0.00	Pass
4000	-21.05	-21.86	-	-20.90	-21.50	-	-7.50	Pass
5000	-34.78	-31.69	-	-34.63	-31.34	-	-13.30	Pass
6000	-45.96	-45.48	-	-45.81	-45.12	-	-18.10	Pass
8000	-59.66	-59.41	-	-59.51	-59.06	-	-25.60	Pass
10000	-62.15	-61.44	-	-62.01	-61.09	-	-31.40	Pass
15000	-63.36	-62.31	-	-63.21	-61.96	-	-41.90	Pass
20000	-61.78	-61.75	-	-61.63	-61.39	-	-50.00	Pass
30000	-62.78	-61.50	-	-62.63	-61.15	-	-50.00	Pass
40000	-62.40	-61.99	-	-62.25	-61.64	-	-50.00	Pass
50000	-62.85	-62.60	-	-62.70	-62.24	-	-50.00	Pass
60000	-62.74	-63.19	-	-62.59	-62.84	-	-50.00	Pass
70000	-62.43	-63.79	-	-62.28	-63.44	-	-50.00	Pass
80000	-63.78	-61.61	-	-63.63	-61.26	-	-50.00	Pass
90000	-61.99	-62.37	-	-61.84	-62.01	-	-50.00	Pass
100000	-62.20	-61.90	-	-62.05	-61.54	-	-50.00	Pass

The test plot as follows:



APPENDIX D

AUDIO LOW PASS FILTER RESPONSE TEST DATA



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APPENDIX E
FREQUENCY STABILITY TEST DATA

GMRS/FRS_ Channel 4 (462.637500 MHz)					
Temp.	Voltage	Measured Frequency	Frequency Drift	Limit	Pass/Fail
(°C)		(MHz)	(ppm)	(ppm)	
50	VN	462.637431	-0.1491	2.5	Pass
40		462.637476	-0.0519	2.5	Pass
30		462.637475	-0.0540	2.5	Pass
20		462.637451	-0.1059	2.5	Pass
10		462.637446	-0.1167	2.5	Pass
0		462.637461	-0.0843	2.5	Pass
-10		462.637469	-0.0670	2.5	Pass
-20		462.637497	-0.0065	2.5	Pass
TN		VL	462.637427	-0.1578	2.5
	VH	462.637439	-0.1319	2.5	Pass

FRS_ Channel 8 (467.562500 MHz)					
Temp.	Voltage	Measured Frequency	Frequency Drift	Limit	Pass/Fail
(°C)		(MHz)	(ppm)	(ppm)	
50	VN	467.562587	0.1867	2.5	Pass
40		467.562587	0.1867	2.5	Pass
30		467.562588	0.1876	2.5	Pass
20		467.562581	0.1732	2.5	Pass
10		467.562590	0.1923	2.5	Pass
0		467.562587	0.1867	2.5	Pass
-10		467.562585	0.1824	2.5	Pass
-20		467.562587	0.1867	2.5	Pass
TN		VL	467.562585	0.1807	2.5
	VH	467.562586	0.1831	2.5	Pass



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