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|------------------------------|----------------------|--|------|------|-----|-----------|-----------|
| Test Author: Mercedes Newton | | | | | | | |
| | Test Case Name | Disco Tower Test 1: Volume compatatability test | | | | Test ID # | Disco-01 |
| | Description | Simulate variety of volumes and check volume threshold | | | | Type: | White Box |
| Tester Information: | | | | | | | |
| | Name of Tester: | Mercedes Newton | | | | Date | tbd |
| | HW/SW Version: | Version 1.0 | | | | Time: | tbd |
| | Setup: | place JBL speaker within 2 feet of tower. Increment volume in correlation with potentiometer and record what | | | | | |
| Step | Action | Expected result | PASS | FAIL | N/A | Comments | |
| 1 | 2 volume bars (min) | FAIL | | | | | |
| 2 | 4 volume bars | FAIL | | | | | |
| 3 | 6 volume bars | PASS | | | | | |
| 4 | 8 volume bars | PASS | | | | | |
| 5 | 10 volume bars | PASS | | | | | |
| 6 | 12 volume bars | PASS | | | | | |
| 7 | 14 volume bars | PASS | | | | | |
| 8 | 16 volume bars (max) | PASS | | | | | |
| | Overall Test Result | | | | | | |
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|------------------------------|---|---|------|------|-----|-----------|-----------|
| Test Author: Mercedes Newton | | | | | | | |
| | Test Case Name | Disco Tower Test 2: Music genre compatatability test | | | | Test ID # | Disco-02 |
| | Description | Play different songs and genres to see which genre creates most compelling light show. | | | | Type: | White Box |
| Tester Information: | | | | | | | |
| | Name of Tester: | Mercedes Newton | | | | Date | tbd |
| | HW/SW Version: | Version 1.0 | | | | Time: | tbd |
| | Setup: | Place speaker within 2 feet of tower. Play each song to completion and review light show generated. If light show is visually appealing, and creates varried tower reaction mark as pass. | | | | | |
| Step | Action | Expected result | PASS | FAIL | N/A | Comments | |
| 1 | Upbeat instrumental jazz (Lester Young) | PASS | | | | | |
| 2 | calming jazz | FAIL | | | | | |
| 3 | German techno Funk (Boris | PASS | | | | | |

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| 4 | rap (MF DOOM) | PASS | | | | |
| 5 | 80s pop (Michael Jackson) | PASS | | | | |
| 6 | pop (Doja cat, Harry Styles) | PASS | | | | |
| 7 | classical | FAIL | | | | |
| 8 | Abba | PASS | | | | |
| 9 | | | | | | |
| | Overall Test Result | | | | | |

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Test Author: Mercedes Newton

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| | Test Case Name | Disco Tower Test 3: exterior noise | | | Test ID # | Disco-03 |
| | Description | Simulate talking and party noise to test for ability to descriminate | | | Type: | White Box |

Tester Information:

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|--|-----------------|-----------------|-------|-----|
| | Name of Tester: | Mercedes Newton | Date | tbd |
| | HW/SW Version: | Version 1.0 | Time: | tbd |

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| | Setup: | Place tower in center of space next to speaker set with constant music at medium volume (8 bars). simulate noise by talking/creating different noises in the same room within 3-8ft proximatey. | | | | |
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| Step | Action | Expected result | PASS | FAIL | N/A | Comments |
|------|-----------------------|-----------------|------|------|-----|----------|
| 1 | quiet talking | PASS | | | | |
| 2 | medium talking | PASS | | | | |
| 3 | loud talking | FAIL | | | | |
| 4 | yelling | FAIL | | | | |
| 5 | door closing/slamming | PASS | | | | |
| 6 | stopping/loud steps | PASS | | | | |
| 7 | clapping/snapping | FAIL | | | | |
| 8 | phone ringtone | FAIL | | | | |
| | Overall Test Result | | | | | |