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| Klasa | Imię i nazwisko | Nr w dzienniku | Zespół Szkół Łącznościw Krakowie |
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| ***Pracownia EUE*** |
| Nr ćw. | Temat ćwiczenia | Data | Ocena | Podpis |
| 3b | ***Programowanie listy kanałów i obsługa dekodera DVB – T.***  |  |  |  |

1. Zapoznać się z instrukcją obsługi dekodera STB.
2. Podać założenia wynikające z dostępnej dokumentacji:
* Parametry badanych układów i urządzeń.
* Wykaz przyrządów, narzędzi, badanego osprzętu instalacyjnego.
1. Zapisać wykaz działań.
2. Narysować schematy blokowe układów pomiarowych.
3. Sformułować wnioski.
4. Zapisać wskazania eksploatacyjne.

***Programowanie listy kanałów i obsługa dekodera DVB – T.***

**Polecenia:**

1. Zapoznać się z instrukcją obsługi dekodera STB.
2. Wykonać reset do ustawień fabrycznych.
3. Wykonać przeszukiwanie wszystkich kanałów ( z ekranu powitalnego).
4. Zapisać w sprawozdaniu listę przeszukanych programów z podaniem nr programu
 w kolejności na liście kanałów ( z tunera). Programy z jednego MUX – u objąć klamrą i obok zapisać nr kanału, a także częstotliwość oraz siłę i jakość. W celu uzyskania tych informacji dwa razy naciskamy klawisz „info” na pilocie. W pozycji „Obraz „ Oceniamy” jego jakość:
5. Brak obrazu
6. Dużę zakłocenia
7. Małe zakłocenia
8. Brak zakloceń
9. Podać lokalizację i dane nadajnika.

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1. Wykonać reset do fabrycznych i wykonać czynności opisane w pkt 2, 3 i 4 z tym, że skanujemy tylko kanały niekodowane.

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1. Przeprowadzić ponownie reset do ustawień fabrycznych. Uruchomić wyszukiwanie ręczne z włączonym sortowaniem kanałów po LCN dla Muxów z Chorągwicy ( kanały 07,23,25 i 50)

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1. Przesuń TV4 za TV Kraków i TVN7 za TVN.

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1. Wyłącz LCN.

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1. Włącz sortowanie po Onid.

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1. Włącz sortowanie po ID usługi.

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1. Włączyć sortowanie wg nazwy usługi.

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1. Włączyć LCN.

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1. Włożyć „Pendrive’a” do gniazda w dekoderze i ręcznie uruchomić nagrywanie ( co najmniej 5 minut, na dowolnym kanale
2. Nacisnąć na pilocie przycisk EPG,następnie wybrać najbliższą ( stosunkowo krótką audycję ) i zaprogramować jej nagrywanie. Po zakończeniu nagrywania odtwarzamy nagranie sprawdzając takie funkcje, jak przewijanie do przodu i do tyłu oraz stopklatkę.
3. Na dowolnym programie włączyć funkcję „Time shift) i testujemy takie funkcje, jak
w pkt 15.
4. Wyjąć „pendrive’a” i podłączyć do komputera. Skopiować pliki z nagraniami na dysk twardy. Dokonać odtworzenia tych nagrań w programie Gomplayer, Totalmedia lub innym.

**W sprawozdaniu odręcznie w zeszycie opisujemy, co nam daje programowanie automatyczne, a co ręczne. Jakie zalety i wady ma jedno i drugie? Co to jest LCN i czy warto je włączać? Który rodzaj sortowania jest najlepszy? Czy sortowanie po Onid i inne ma jakieś zastosowanie. Które ze sposobów programowania/sortowania wybrałbyś dla siebie /swojego klienta? Jak najprościej zaprogramowałbyś nagranie na nośniku?**