TNC Testing Form (REV1)	
Leaf on the Tree	1.1.1.1
Device Under Test	USB Cable
(Testing Tree Number):	OSB Cable
Date:	10/31/2020
Person(s) Conducting	Walah Laan
Experiment:	Kaleb Leon
Signature:	Kaleb L
Experiment Purpose:	Functionality of USB-B mini works in communicating with the PC over serial.
Experiment Procedure:	Plug Nucleo into PC via the USB-B mini cable and run some code to do
	serial communication and show we can upload code via this cable as well.
Equipment Settings /	Nucleo setup on table connected to USB port on PC using the USB-B mini
Software Settings (w	cable
Revision):	Software Settings:
	HARDWARE INIT FILE
	vold configure_system_clock(void)
	RCC_OscInitTypeDef RCC_OscInitStruct; RCC_ClkInitTypeDef RCC_ClkInitStruct;
	PWR_CLK_ENABLE();
	HAL_PWR_VOLTAGESCALING_CONFIG(PWR_REGULATOR_VOLTAGE_SCALE2);
	RC_OScIntStruct.OscIllatorType = RCC_OSCILLATORTYPE_HSI; RCC_OScIntStruct.HSISIante = RCC_HSI_ON; RCC_OScIntStruct.HSICallbrattonValue = 6; RCC_OScIntStruct.HSICallbrattonValue = 6; RCC_OScIntStruct.PLL_PLLState = RCC_PLL_ON;
	RCC_DScIntStruct.PLL.PLLSOurce = RCC_PLLSOURCE_HSI; RCC_DScIntStruct.PLL.PLLM = 16; RCC_DScIntStruct.PLL.PLLM = 336;
	RCC_OscInitStruct.PLL.PLLP = RCC_PLLP_DIV4; RCC_OscInitStruct.PLL.PLLQ = 7;
	HAL_RCC_OscConfig(&RCC_OscInitStruct);  RCC_ClkInitStruct.ClockType = RCC_CLOCKTYPE_SYSCLKIRCC_CLOCKTYPE_PCLK1;
	RCC_ClkInit5truct.SYSCLKSource = RCC_SYSCLKSOURCE_PLLCLK; RCC_ClkInit5truct.AMBCLKOVIder = RCC_SYSCLK_DIV2; RCC_ClkInit5truct.AMBCLKDIVIder = RCC_HCLK_DIV2; RCC_ClkInit5truct.AMBCLKDIVIder = RCC_HCLK_DIV2; RCC_ClkInit5truct.AMBCLKDIVIder = RCC_HCLK_DIV2; HAL_RCC_ClockConfigRACC_ClkInit5truct, FLASH_LATENCY_2);
	UART CONFIG
	UART_HandleTypeDef huart2;
	void MX_USART2_UART_Init(void)
	huart2.Instance = USART2; huart2.Init.BaudRate = 115200; huart2.Init.WordLength = UART_WORDLENGTH_8B; huart2.Init.StopBits = UART_STOPBITS_1; huart2.Init.StopTy = UART_PARTY_NONE;
	<pre>huart2.Init.Mode = UART_MODE_TX_RX; huart2.Init.HwFlowCtl = UART_HWCONTROL_NONE; HAL_UART_Init(&amp;huart2);</pre>
	MAIN CODE int moin(int argc, char* argv□)
	{ char *msg = "Hello Nucleo Fun!\n\r";
	HAL_UART_Transmit(&huart2, (uint&_t*)msg, strlen(msg), 0xFFFF); while(1);
	}

