

## **MATLAB 2008 Command Prompt Example: Using MCL\_Gen.USB\_Gen**

```
h=actxserver('MCL_Gen.USB_Gen')
```

```
h =
```

```
COM.MCL__Gen_USB__Gen
```

```
>> h.invoke
```

```
Get_Address = int16 Get_Address(handle)
Get_Available_Address_List = [int16, string]
Get_Available_Address_List(handle, string)
Set_Address = char Set_Address(handle, int16)
GetFirmware = int16 GetFirmware(handle)
GetExtFirmware = [int16, char, char, char, char, string]
GetExtFirmware(handle, char, char, char, char, string)
GetGenStatus = [int16, char, int16, double, single, Variant(Pointer),
Variant(Pointer)] GetGenStatus(handle, char, int16, double, single,
Variant(Pointer), Variant(Pointer))
GetGenMinFreq = single GetGenMinFreq(handle)
GetGenMinPower = single GetGenMinPower(handle)
ExtRefDetected = int16 ExtRefDetected(handle)
GetGenMaxPower = single GetGenMaxPower(handle)
GetGenMaxFreq = single GetGenMaxFreq(handle)
GetGenStepFreq = single GetGenStepFreq(handle)
Set_Noise_Spur_Mode = char Set_Noise_Spur_Mode(handle, int16)
Set_Trigger = char Set_Trigger(handle)
Set_Trigger_As_Input = char Set_Trigger_As_Input(handle)
Set_Trigger_As_Output = char Set_Trigger_As_Output(handle)
Clear_Trigger = char Clear_Trigger(handle)
Get_Noise_Spur_Mode = [char, int16] Get_Noise_Spur_Mode(handle, int16)
SetPower = char SetPower(handle, single, int16)
ResetCPU = char ResetCPU(handle)
SetPowerON = char SetPowerON(handle)
SetPowerOFF = char SetPowerOFF(handle)
GetTriggerIn_Status = int16 GetTriggerIn_Status(handle)
SetFreqAndPower = char SetFreqAndPower(handle, double, single, int16)
SetFreq = char SetFreq(handle, double, int16)
GetDeviceTemperature = single GetDeviceTemperature(handle)
Get_Available_SN_List = [int16, string] Get_Available_SN_List(handle,
string)
GetStatus = int16 GetStatus(handle)
Read_ModelName = [int16, string] Read_ModelName(handle, string)
Read_SN = [int16, string] Read_SN(handle, string)
Connect = int16 Connect(handle, Variant(Optional))
ConnectByAddress = int16 ConnectByAddress(handle, Variant(Optional))
Disconnect = void Disconnect(handle)
```

```
>> h.Connect
```

```
ans =
```

```
1
```

```
>> h.SetFreqAndPower(2000,-5,0)
```

```
ans =
```

```
[]
```

```
>> h.SetPowerON
```

```
ans =
```

```
[]
```

```
>> h.SetFreqAndPower(2000,-10,0)
```

```
ans =
```

```
[]
```

```
>> h.SetPowerOFF
```

```
ans =
```

```
[]
```

```
>> h.Disconnect
```