## CMD\_ENABLE\_RF\_POWER (0x80)

This command enables or disables RF power transmission.

Outgoing Parameters:

**Total length:** 1 byte

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte # | Bit 7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| 0 | Enable | | | | | | | |

**Enable:** Boolean (0/1)

Incoming Parameters:

None

If the Enable parameter is 0 the RF power transmission will be disabled. Otherwise, the RF power transmission will be enabled.

## CMD\_GET\_RF\_POWER\_STATUS (0x81)

This command returns the enable status of the RF power transmission.

Outgoing Parameters:

None

Incoming Parameters:

**Total length:** 1 byte

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte # | Bit 7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| 0 | Enabled | | | | | | | |

**Enabled:** Boolean (0/1)

If the Enabled parameter is 0 then the RF power transmission is disabled. Otherwise, the RF power transmission is enabled.

## CMD\_GET\_RF\_POWER\_CTRL\_VARS (0x82)

This command returns a list of indexes of control variables specific to the RF power transmission. The list may be empty (i.e. zero length).

Outgoing Parameters:

None

Incoming Parameters:

**Total length:** variable

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte # | Bit 7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| 0 | Control Variable Index 0 | | | | | | | |
| … | Control Variable Index n | | | | | | | |

**Control Variable Index:** 8 bits unsigned

## CMD\_RESET\_RF\_POWER\_TIMEOUT (0x83)

This command sets or resets the RF Power timeout.

Outgoing Parameters:

**Total length:** 4 bytes

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Byte # | Bit 7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
| 0 | Timeout (milliseconds) | | | | | | | |
| 1 |
| 2 |
| 3 |

**Timeout:** 32 bits unsigned

Incoming Parameters:

None

If the timeout duration passes without the device receiving another CMD\_RESET\_RF\_POWER\_TIMEOUT, then the RF power transmission will be disabled (if applicable). This command will never cause RF power transmission to be enabled (see CMD\_ENABLE\_RF\_POWER for enabling).

Sending a timeout value of 0 will disable the timeout functionality.

Example usage would be to send a CMD\_RESET\_RF\_POWER\_TIMEOUT packet to the device every second, with a timeout of 10 seconds (10000 milliseconds). If monitoring program has a glitch, then the RF power transmitter will shut down safely instead of remaining on indefinitely.