```
#       File : bg_scan.conf

########################## BG Scan Configuration command ##################
########### Sample configuration for Get BG Scan Configuration
####################
#bgscfg={
#       CmdCode=0x006b          # do NOT change this line
#       Action:1=0              # 0- Get, 1- Set
#       ConfigType:1=0          # 0- normal BG Scan config, 1-PPS or UAPSD BG
Scan config
#       Enable:1=1              # 0- Disable, 1-Enable
#       BssType:1=0             # 1 - Infrastructure,2 - IBSS,3 - Any
#       ChannelsPerScan:1=0     # Number of Channel to scan at one scan; maximum
14
#       Reserved1:3=0
#       ScanInterval:4=0        # Interval between consecutive scan (in
milliseconds)
#       Reserved2:4=0
#       ReportConditions:4=0    # bit0  - SSID match
                                # bit1  - SNR above SNR threshold
                                # bit2  - RSSI above RSSI threshold
                                # bit31 - All channels scanned at least once
#       Reserved3:2=0
#}

########### SET BG Scan Configuration ####################
bgscfg={
        CmdCode=0x006b          # do NOT change this line
        Action:1=1              # 0- Get, 1- Set
        ConfigType:1=0          # 0- normal BG Scan config, 1-PPS or UAPSD BG
Scan config
        Enable:1=1              # 0- Disable, 1-Enable
        BssType:1=3             # 1 - Infrastructure,2 - IBSS,3 - Any
        ChannelsPerScan:1=14    # Number of Channel to scan at one scan; maximum
14
        Reserved1:3=0
        ScanInterval:4=1000     # Interval between consecutive scan (in
milliseconds)
        Reserved2:4=0
        ReportConditions:4=1    # bit0  - SSID match
                                # bit1  - SNR above SNR threshold
                                # bit2  - RSSI above RSSI threshold
                                # bit31 - All channels scanned at least once
        Reserved3:2=0

        # SSID parameter set:
        #
        # MaxSSIDLen entries:
        #
        # 1. MaxSSIDLen:1=0x00      - to denote match AP name exactly,
        #                             generate SSID specific probes
        # 2. MaxSSIDLen:1=maxlen    - to denote AP name will be use to base
match the
        #                             SSID and SSID's max length is 'maxlen',
        #                             do not generate SSID specific probes
        # 3. MaxSSIDLen:1=wildcard match char ('*' or '?')
```

```
        #                           - to denote wildcard AP name will be use to
match the SSID
        # 4. MaxSSIDLen:1=0xff      - to denote unix pattern matching
        #
        # SSID entries:
        #
        # SSID="AP_NAME"            - to mention the SSID to match

        # SSID Examples:
        #
        #
        # Match SSID name "MarvellAP" exactly, generate SSID specific probes
        #
        SSIDHeaderType:2=0x0112
        SSIDHeaderLen:2={
                MaxSSIDLen:1=0x00
                SSID:9="MarvellAP"
        }

        #
        # MarvellAP will be use to base match the SSID and SSID's max length is
12
        #
#       SSIDHeaderType:2=0x0112
#       SSIDHeaderLen:2={
#               MaxSSIDLen:1=0x0c
#               SSID:9="MarvellAP"
#       }

        #
        # Match "MarvellAP*" where '*' is a single char
        #
#       SSIDHeaderType:2=0x0112
#       SSIDHeaderLen:2={
#               MaxSSIDLen:1='*'
#               SSID:10="MarvellAP*"
#       }

        #
        # Match "Mar?ell*" with unix pattern matching
        #
#       SSIDHeaderType:2=0x0112
#       SSIDHeaderLen:2={
#               MaxSSIDLen:1=0xff     # For unix pattern matching
#               SSID:8="Mar?ell*"
#       }

        # Number Probe requests to be sent for broadcast and
        # for each SSID specific scan required.
        #
        # If any SSID in the list has a non-zero modifier (wildcard match char,
        # unix pattern match, maxlen), "Numprobes" of broadcast probe requests
        # will be transmitted once per channel and the results matched against
        # all entries.
        #
        # Set to 0 to use global scan probes setting
```

```
        #
        ProbeHeaderType:2=0x0102
        ProbeHeaderLen:2={
                NumProbes:2=2
        }

        # ChannelList contains the channels to scan
        # The ChannelList should be specified in the form of
        #
        #     RadioType, ChanNumber, ScanType, MinScanTime, ScanTime;
        #
        # RadioType - 0 [B/G Band], 1 [A Band]
        # ScanType  - 2 [Active],   3 [Passive]
        #

        ChannHeaderType:2=0x0101
        ChannHeaderLen:2={
                Chan1_RadioType:1=0
                Chan1_ChanNumber:1=10
                Chan1_ScanType:1=2
                Chan1_MinScanTime:2=10
                Chan1_ScanTime:2=100

                Chan2_RadioType:1=0
                Chan2_ChanNumber:1=6
                Chan2_ScanType:1=3
                Chan2_MinScanTime:2=10
                Chan2_ScanTime:2=100
        }

        # SNR threshold used when ReportConditions bit1 is set
        SNRHeaderType:2=0x0105
        SNRHeaderLen:2={
                SNRValue:1=40   #SNR Thereshold Value
                SNRFreq:1=0
        }

        # RSSI threshold used when ReportConditions bit2 is set
        #
        # Threshold is absolute value and match value would
        #   therefore be less than or equal to trigger a report
        RSSIHeaderType:2=0x0104
        RSSIHeaderLen:2={
                RSSIValue:1=50  #RSSI Thereshold Value
                RSSIFreq:1=0
        }

        # StartLaterValue: 0 - BGScan start immediately
        # 1 - BGScan will start later after "Scan Interval"
        StartLaterHeaderType:2=0x011e
        StartLaterHeaderLen:2={
                StartLaterValue:2=0
        }
}
########################## BG Scan Configuration command ##################
```