

802.11ax-HE160 – Channel 47 (6185MHz) Power Spectral Density

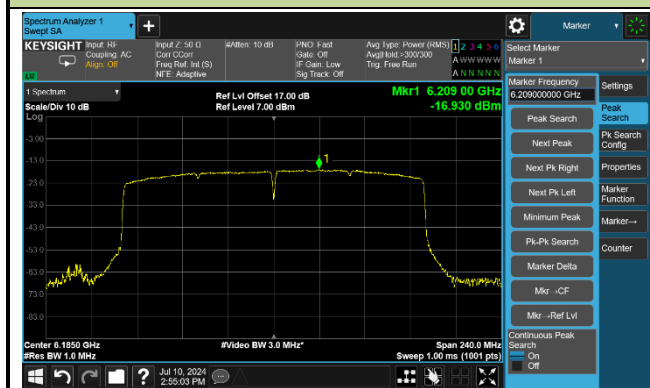
Ant 0



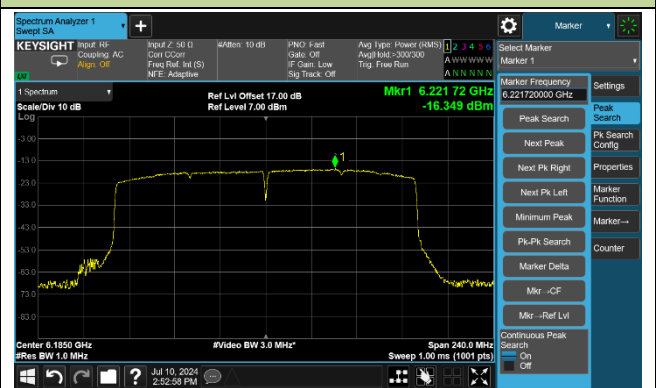
Ant 1



Ant 2

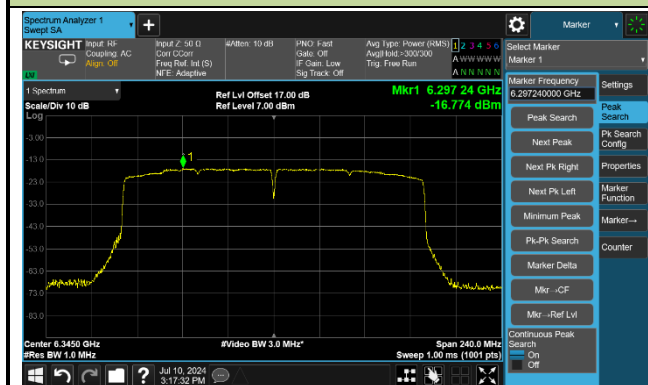


Ant 3



802.11ax-HE160 – Channel 79 (6345MHz) Power Spectral Density

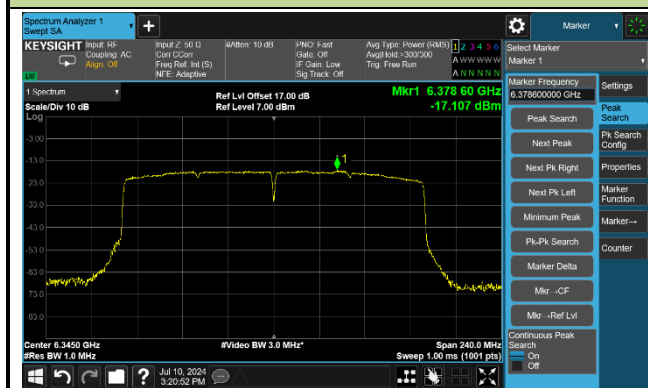
Ant 0



Ant 1



Ant 2



Ant 3



2024-07-10T01:50:55Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "44.238.223.78",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "824",
    "Connection": "Keep-Alive"
  },
  "body": {
    "availableSpectrumInquiryRequests": [
      {
        "deviceDescriptor": {
          "certificationId": [
            {
              "id": "Q9DAPIN0654",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ],
          "serialNumber": "CNQNLZ303J"
        },
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          },
          {
            "globalOperatingClass": 133
          },
          {
            "globalOperatingClass": 134
          }
        ]
      }
    ]
  }
}
```

```

    ],
    "inquiredFrequencyRange": [
      {
        "highFrequency": 7125,
        "lowFrequency": 5925
      }
    ],
    "location": {
      "elevation": {
        "height": 3,
        "heightType": "AGL",
        "verticalUncertainty": 2
      },
      "ellipse": {
        "center": {
          "latitude": 37.381263732910156,
          "longitude": -121.980712890625
        },
        "majorAxis": 11,
        "minorAxis": 2,
        "orientation": 84.794651
      },
      "indoorDeployment": 1
    },
    "requestId": "CNQNLZ303J",
    "vendorExtensions": {
      "extensionId": "Aruba_Info",
      "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
      }
    }
  },
  "version": "1.4"
}

```

2024-07-10T01:50:55Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 17.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 13.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 9.1
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 18.9
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 20.5
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 11.4
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 17.3
},
{
    "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 11.7
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 12.9
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 13.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 9.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 8.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 16.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
```

```
        "lowFrequency": 6805
      },
      "maxPsd": 18.6
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        65,
        69,
        73,
        77,
        129,
        133,
        137,
        141,
        161,
        165,
        169,
        173
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        30.5,
        26.5,
        24.5,
        22.1,
        31.9,
        33.5,
        24.4,
        30.3,
        24.7,
        25.9,
        26.5,
        22.8,
```

```
        31.1,
        21.0,
        29.3,
        31.6
    ]
},
{
    "channelCfi": [
        3,
        11,
        67,
        75,
        131,
        139,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        29.5,
        25.1,
        34.9,
        27.4,
        27.7,
        25.8,
        24.0,
        32.3
    ]
},
{
    "channelCfi": [
        7,
        71,
        135,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        28.1,
```

```

        30.4,
        28.8,
        27.0
    ]
},
{
    "channelCfi": [],
    "globalOperatingClass": 134,
    "maxEirp": []
}
],
"requestId": "CNQNLZ303J",
"availabilityExpireTime": "2024-07-11T01:50:55Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```

##### 2024-07-10T02:18:09Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "44.238.223.78",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "824",
        "Connection": "Keep-Alive"
    },
    "body": {
        "availableSpectrumInquiryRequests": [
            {
                "deviceDescriptor": {
                    "certificationId": [

```

```
        "id": "Q9DAPIN0654",
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
],
    "serialNumber": "CNQNLZ303J"
},
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        }
    ],
    "inquiredFrequencyRange": [
        {
            "highFrequency": 7125,
            "lowFrequency": 5925
        }
    ],
    "location": {
        "elevation": {
            "height": 3,
            "heightType": "AGL",
            "verticalUncertainty": 2
        },
        "ellipse": {
            "center": {
                "latitude": 37.381263732910156,
                "longitude": -121.980712890625
            },
            "majorAxis": 11,
            "minorAxis": 2,
```

```

        "orientation": 84.794651
      },
      "indoorDeployment": 1
    },
    "requestId": "CNQNLZ303J",
    "vendorExtensions": {
      "extensionId": "Aruba_Info",
      "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
      }
    }
  },
  ],
  "version": "1.4"
}
}

```

```

##### 2024-07-10T02:18:10Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 15.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045

```

```
    },
    "maxPsd": 21.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 19.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 19.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 13.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 11.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 14.1
  },
  {
```

```
"frequencyRange": {
  "highFrequency": 6185,
  "lowFrequency": 6165
},
"maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 13.7
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  },
```

```
"maxPsd": 11.9
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 9.7
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 14.7
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 21.9
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 17.9
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 16.3
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 13.2
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 8.9
}
],
"availableChannelInfo": [
    {
        "channelCfi": [
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            81,
            85,
            89,
            93,
            145,
            149,
            153,
            157
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
```

```

28.9,
34.6,
32.1,
32.4,
26.7,
24.5,
27.1,
24.0,
25.9,
30.2,
26.7,
31.7,
24.9,
22.7,
27.7,
34.9,
30.9,
29.3,
26.2,
21.9
]
},
{
  "channelCfi": [
    19,
    27,
    35,
    43,
    51,
    59,
    83,
    91,
    147,
    155
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    31.9,
    35.1,

```

```
        27.5,
        27.0,
        28.9,
        29.7,
        25.7,
        30.7,
        32.3,
        24.9
    ]
},
{
    "channelCfi": [
        23,
        39,
        55,
        87,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        34.9,
        30.0,
        31.9,
        28.7,
        27.9
    ]
},
{
    "channelCfi": [
        47
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        33.0
    ]
}
],
"requestId": "CNQNLZ303J",
"availabilityExpireTime": "2024-07-11T02:18:10Z",
```

```
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
    },  
    ],  
    "version": "1.4"  
  }  
}
```

2024-07-10T03:05:19Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "44.238.223.78",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "824",
    "Connection": "Keep-Alive"
  },
  "body": {
    "availableSpectrumInquiryRequests": [
      {
        "deviceDescriptor": {
          "certificationId": [
            {
              "id": "Q9DAPIN0654",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ],
          "serialNumber": "CNQNLZ303J"
        },
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          },
          {
            "globalOperatingClass": 133
          },
          {
            "globalOperatingClass": 134
          }
        ]
      }
    ]
  }
}
```

```

    ],
    "inquiredFrequencyRange": [
      {
        "highFrequency": 7125,
        "lowFrequency": 5925
      }
    ],
    "location": {
      "elevation": {
        "height": 3,
        "heightType": "AGL",
        "verticalUncertainty": 2
      },
      "ellipse": {
        "center": {
          "latitude": 37.381263732910156,
          "longitude": -121.980712890625
        },
        "majorAxis": 11,
        "minorAxis": 2,
        "orientation": 84.794651
      },
      "indoorDeployment": 1
    },
    "requestId": "CNQNLZ303J",
    "vendorExtensions": {
      "extensionId": "Aruba_Info",
      "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
      }
    }
  },
  "version": "1.4"
}

```

2024-07-10T03:05:19Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 21.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 9.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 13.5
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 11.4
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 17.8
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 8.4
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 13.4
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 20.4
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 10.5
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 19.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 19.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 18.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 11.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
```

```
        "lowFrequency": 6405
      },
      "maxPsd": 8.3
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        17,
        21,
        25,
        29,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        22.9,
        34.6,
        22.1,
        26.5,
        24.4,
        30.8,
        21.4,
        26.4,
        33.4,
        23.5,
        32.9,
        32.8,
```

```
        31.6,
        24.8,
        25.7,
        21.3
    ]
},
{
    "channelCfi": [
        19,
        27,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        25.9,
        25.1,
        27.4,
        24.4,
        26.5,
        35.8,
        27.8,
        24.3
    ]
},
{
    "channelCfi": [
        23,
        55,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        28.1,
```

```

                27.4,
                29.5,
                27.3
            ]
        },
        {
            "channelCfi": [
                79
            ],
            "globalOperatingClass": 134,
            "maxEirp": [
                30.3
            ]
        }
    ],
    "requestId": "CNQNLZ303J",
    "availabilityExpireTime": "2024-07-11T03:05:19Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2024-07-10T03:29:30Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "44.238.223.78",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "824",
        "Connection": "Keep-Alive"
    },
    "body": {
        "availableSpectrumInquiryRequests": [

```

```
{
  "deviceDescriptor": {
    "certificationId": [
      {
        "id": "Q9DAPIN0654",
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
      }
    ],
    "serialNumber": "CNQNLZ303J"
  },
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    }
  ],
  "inquiredFrequencyRange": [
    {
      "highFrequency": 7125,
      "lowFrequency": 5925
    }
  ],
  "location": {
    "elevation": {
      "height": 3,
      "heightType": "AGL",
      "verticalUncertainty": 2
    },
    "ellipse": {
      "center": {
        "latitude": 37.381263732910156,
```

```

        "longitude": -121.980712890625
      },
      "majorAxis": 11,
      "minorAxis": 2,
      "orientation": 84.794651
    },
    "indoorDeployment": 1
  },
  "requestId": "CNQNLZ303J",
  "vendorExtensions": {
    "extensionId": "Aruba_Info",
    "parameters": {
      "Request_State": "Event",
      "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
    }
  }
},
{
  "version": "1.4"
}
]
}

##### 2024-07-10T03:29:30Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 12.4
        },
      ],
    }
  ],

```

```
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 10.2
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 8.0
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 16.9
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
```

```
    },
    "maxPsd": 11.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 13.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 16.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 12.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 18.9
  },
  {
```

```
"frequencyRange": {
  "highFrequency": 6685,
  "lowFrequency": 6665
},
"maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 20.1
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 16.2
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
```

```

        "maxPsd": 20.4
      },
      {
        "frequencyRange": {
          "highFrequency": 6805,
          "lowFrequency": 6785
        },
        "maxPsd": 16.0
      },
      {
        "frequencyRange": {
          "highFrequency": 6825,
          "lowFrequency": 6805
        },
        "maxPsd": 18.0
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          1,
          5,
          9,
          13,
          33,
          37,
          41,
          45,
          129,
          133,
          137,
          141,
          145,
          149,
          153,
          157,
          161,
          165,
          169,

```

```
173
],
"globalOperatingClass": 131,
"maxEirp": [
  25.4,
  23.2,
  28.1,
  21.0,
  29.9,
  30.2,
  24.8,
  31.7,
  26.0,
  29.2,
  25.0,
  31.9,
  24.7,
  24.1,
  33.1,
  29.2,
  32.5,
  33.4,
  29.0,
  31.0
]
},
{
  "channelCfi": [
    3,
    11,
    35,
    43,
    131,
    139,
    147,
    155,
    163,
    171
  ],

```

```
"globalOperatingClass": 132,
  "maxEirp": [
    26.2,
    24.0,
    32.9,
    27.8,
    29.0,
    28.0,
    27.1,
    32.2,
    35.5,
    32.0
  ]
},
{
  "channelCfi": [
    7,
    39,
    135,
    151,
    167
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    27.0,
    30.8,
    31.0,
    30.1,
    35.0
  ]
},
{
  "channelCfi": [
    143
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    33.1
  ]
}
```

```
    }  
  ],  
  "requestId": "CNQNLZ303J",  
  "availabilityExpireTime": "2024-07-11T03:29:30Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

2024-07-10T05:32:06Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "44.238.223.78",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "824",
    "Connection": "Keep-Alive"
  },
  "body": {
    "availableSpectrumInquiryRequests": [
      {
        "deviceDescriptor": {
          "certificationId": [
            {
              "id": "Q9DAPIN0654",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ],
          "serialNumber": "CNQNLZ303J"
        },
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          },
          {
            "globalOperatingClass": 133
          },
          {
            "globalOperatingClass": 134
          }
        ]
      }
    ]
  }
}
```

```

    ],
    "inquiredFrequencyRange": [
      {
        "highFrequency": 7125,
        "lowFrequency": 5925
      }
    ],
    "location": {
      "elevation": {
        "height": 3,
        "heightType": "AGL",
        "verticalUncertainty": 2
      },
      "ellipse": {
        "center": {
          "latitude": 37.381263732910156,
          "longitude": -121.980712890625
        },
        "majorAxis": 11,
        "minorAxis": 2,
        "orientation": 84.794651
      },
      "indoorDeployment": 1
    },
    "requestId": "CNQNLZ303J",
    "vendorExtensions": {
      "extensionId": "Aruba_Info",
      "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
      }
    }
  },
  "version": "1.4"
}

```

2024-07-10T05:32:06Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 17.8
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 16.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 20.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 19.9
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 21.1
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 20.8
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 20.3
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 11.3
},
{
    "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 13.5
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 10.4
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 13.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 10.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 11.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 13.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 21.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
```

```
        "lowFrequency": 6725
      },
      "maxPsd": 20.7
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        49,
        53,
        57,
        61,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        30.8,
        29.8,
        33.6,
        32.9,
        34.1,
        33.8,
        33.3,
        24.3,
        26.5,
        23.4,
        26.4,
        23.4,
```

```
        24.8,
        26.7,
        34.1,
        33.7
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        51,
        59,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        32.8,
        35.9,
        36.0,
        27.3,
        26.4,
        26.4,
        27.8,
        36.0
    ]
},
{
    "channelCfi": [
        7,
        23,
        55,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        35.8,
```

```

        30.3,
        29.4,
        30.8
    ]
},
{
    "channelCfi": [
        15
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        33.3
    ]
}
],
"requestId": "CNQNLZ303J",
"availabilityExpireTime": "2024-07-11T05:32:06Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```

##### 2024-07-10T05:57:19Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "44.238.223.78",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "824",
        "Connection": "Keep-Alive"
    },
    "body": {
        "availableSpectrumInquiryRequests": [

```

```
{
  "deviceDescriptor": {
    "certificationId": [
      {
        "id": "Q9DAPIN0654",
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
      }
    ],
    "serialNumber": "CNQNLZ303J"
  },
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    }
  ],
  "inquiredFrequencyRange": [
    {
      "highFrequency": 7125,
      "lowFrequency": 5925
    }
  ],
  "location": {
    "elevation": {
      "height": 3,
      "heightType": "AGL",
      "verticalUncertainty": 2
    },
    "ellipse": {
      "center": {
        "latitude": 37.381263732910156,
```

```

        "longitude": -121.980712890625
      },
      "majorAxis": 11,
      "minorAxis": 2,
      "orientation": 84.794651
    },
    "indoorDeployment": 1
  },
  "requestId": "CNQNLZ303J",
  "vendorExtensions": {
    "extensionId": "Aruba_Info",
    "parameters": {
      "Request_State": "Event",
      "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
    }
  }
},
{
  "version": "1.4"
}
]
}

##### 2024-07-10T05:57:19Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 10.7
        },

```

```
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 14.5
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 12.0
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
```

```
    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 15.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 19.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 12.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 8.0
  },
  {
```

```

    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 15.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 11.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 13.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 8.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 9.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },

```

```

        "maxPsd": 10.3
      },
      {
        "frequencyRange": {
          "highFrequency": 6805,
          "lowFrequency": 6785
        },
        "maxPsd": 14.2
      },
      {
        "frequencyRange": {
          "highFrequency": 6825,
          "lowFrequency": 6805
        },
        "maxPsd": 15.3
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          33,
          37,
          41,
          45,
          65,
          69,
          73,
          77,
          81,
          85,
          89,
          93,
          129,
          133,
          137,
          141,
          161,
          165,
          169,

```

```
173
],
"globalOperatingClass": 131,
"maxEirp": [
  23.7,
  27.5,
  32.3,
  25.0,
  32.5,
  31.6,
  21.1,
  28.0,
  32.3,
  25.5,
  23.8,
  21.0,
  28.3,
  24.8,
  26.8,
  21.6,
  22.8,
  23.3,
  27.2,
  28.3
]
},
{
  "channelCfi": [
    35,
    43,
    67,
    75,
    83,
    91,
    131,
    139,
    163,
    171
  ],
```

```

    "globalOperatingClass": 132,
    "maxEirp": [
        26.7,
        28.0,
        34.6,
        24.1,
        28.5,
        24.0,
        27.8,
        24.6,
        25.8,
        30.2
    ]
},
{
    "channelCfi": [
        39,
        71,
        87,
        135,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        29.7,
        27.1,
        27.0,
        27.6,
        28.8
    ]
},
{
    "channelCfi": [
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.0
    ]
}

```

```
    }  
  ],  
  "requestId": "CNQNLZ303J",  
  "availabilityExpireTime": "2024-07-11T05:57:19Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

2024-07-10T06:19:17Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "44.238.223.78",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "824",
    "Connection": "Keep-Alive"
  },
  "body": {
    "availableSpectrumInquiryRequests": [
      {
        "deviceDescriptor": {
          "certificationId": [
            {
              "id": "Q9DAPIN0654",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ],
          "serialNumber": "CNQNLZ303J"
        },
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          },
          {
            "globalOperatingClass": 133
          },
          {
            "globalOperatingClass": 134
          }
        ]
      }
    ]
  }
}
```

```

    ],
    "inquiredFrequencyRange": [
      {
        "highFrequency": 7125,
        "lowFrequency": 5925
      }
    ],
    "location": {
      "elevation": {
        "height": 3,
        "heightType": "AGL",
        "verticalUncertainty": 2
      },
      "ellipse": {
        "center": {
          "latitude": 37.381263732910156,
          "longitude": -121.980712890625
        },
        "majorAxis": 11,
        "minorAxis": 2,
        "orientation": 84.794651
      },
      "indoorDeployment": 1
    },
    "requestId": "CNQNLZ303J",
    "vendorExtensions": {
      "extensionId": "Aruba_Info",
      "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
      }
    }
  },
  "version": "1.4"
}

```

2024-07-10T06:19:17Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 18.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 13.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 12.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 11.7
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 11.2
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 19.7
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 21.5
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 12.3
},
{
    "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 21.5
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 17.1
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 19.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 17.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 11.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 13.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 14.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
```

```
        "lowFrequency": 6725
      },
      "maxPsd": 10.6
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        31.6,
        26.5,
        25.3,
        24.7,
        24.2,
        32.7,
        34.5,
        25.3,
        34.5,
        30.1,
        32.4,
        30.5,
```

```
        24.0,
        26.7,
        27.0,
        23.6
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        131,
        139,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        29.5,
        27.7,
        27.2,
        28.3,
        33.1,
        33.5,
        27.0,
        26.6
    ]
},
{
    "channelCfi": [
        39,
        55,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        30.7,
```

```

        30.2,
        36.0,
        29.6
    ]
},
{
    "channelCfi": [
        47,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        33.2,
        32.6
    ]
}
],
"requestId": "CNQNLZ303J",
"availabilityExpireTime": "2024-07-11T06:19:17Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```

##### 2024-07-10T06:47:19Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "44.238.223.78",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "824",
        "Connection": "Keep-Alive"
    },

```

```
"body": {
  "availableSpectrumInquiryRequests": [
    {
      "deviceDescriptor": {
        "certificationId": [
          {
            "id": "Q9DAPIN0654",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
          }
        ],
        "serialNumber": "CNQNLZ303J"
      },
      "inquiredChannels": [
        {
          "globalOperatingClass": 131
        },
        {
          "globalOperatingClass": 132
        },
        {
          "globalOperatingClass": 133
        },
        {
          "globalOperatingClass": 134
        }
      ],
      "inquiredFrequencyRange": [
        {
          "highFrequency": 7125,
          "lowFrequency": 5925
        }
      ],
      "location": {
        "elevation": {
          "height": 3,
          "heightType": "AGL",
          "verticalUncertainty": 2
        },
        "ellipse": {
```

```

        "center": {
            "latitude": 37.381263732910156,
            "longitude": -121.980712890625
        },
        "majorAxis": 11,
        "minorAxis": 2,
        "orientation": 84.794651
    },
    "indoorDeployment": 1
},
"requestId": "CNQNLZ303J",
"vendorExtensions": {
    "extensionId": "Aruba_Info",
    "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
    }
}
},
],
"version": "1.4"
}
}

```

```

##### 2024-07-10T06:47:20Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },

```

```
"maxPsd": 8.2
},
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 9.0
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 13.3
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 14.7
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 12.9
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 10.3
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 21.9
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 17.3
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 9.6
```

```

    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 20.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 16.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 11.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,

```

```
        25,
        29,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        21.2,
        26.9,
        22.0,
        30.3,
        28.2,
        26.3,
        27.7,
        25.9,
        23.3,
        34.9,
        30.3,
        22.6,
        27.3,
        33.2,
        29.5,
        24.1
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        67,
        75,
```

```
      83,
      91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      24.2,
      25.0,
      29.3,
      28.9,
      26.3,
      25.6,
      30.3,
      27.1
    ]
  },
  {
    "channelCfi": [
      7,
      23,
      71,
      87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      27.2,
      31.9,
      28.6,
      30.1
    ]
  },
  {
    "channelCfi": [
      15,
      79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
      30.2,
      31.6
```

```
    ]
  }
],
  "requestId": "CNQNLZ303J",
  "availabilityExpireTime": "2024-07-11T06:47:20Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

A.2 Unsuccessful Spectrum Access Request

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2024-07-06		

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Hewlett Packard Enterprise
DUT Product Model	APIN0654

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(B)(i), 15.407(k)(B)(ii), 15.407(k)(B)(iii)	CT_AFC_SP_AP_AFCDU5A32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDU5A32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)
 TestResult: PASS
 Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE	AFC DUT conforms to the conditions in the Spectrum Inquiry Response	true	PASS

2024-07-06T08:43:37Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "44.238.223.78",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "824",
    "Connection": "Keep-Alive"
  },
  "body": {
    "availableSpectrumInquiryRequests": [
      {
        "deviceDescriptor": {
          "certificationId": [
            {
              "id": "Q9DAPIN0654",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ],
          "serialNumber": "CNQNLZ303J"
        },
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          },
          {
            "globalOperatingClass": 133
          },
          {
            "globalOperatingClass": 134
          }
        ]
      }
    ]
  }
}
```

```

    ],
    "inquiredFrequencyRange": [
      {
        "highFrequency": 7125,
        "lowFrequency": 5925
      }
    ],
    "location": {
      "elevation": {
        "height": 3,
        "heightType": "AGL",
        "verticalUncertainty": 2
      },
      "ellipse": {
        "center": {
          "latitude": 37.381263732910156,
          "longitude": -121.980712890625
        },
        "majorAxis": 11,
        "minorAxis": 2,
        "orientation": 84.794651
      },
      "indoorDeployment": 1
    },
    "requestId": "CNQNLZ303J",
    "vendorExtensions": {
      "extensionId": "Aruba_Info",
      "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
      }
    }
  },
  "version": "1.4"
}

```

```
##### 2024-07-06T08:43:37Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "CNQNLZ303J",
      "availabilityExpireTime": "2024-07-07T08:43:37Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```

A.3 Successful Spectrum Access Update

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2024-07-09 ~ 2024-07-10		
Test Antenna	Low Gain Antenna (AP-ANT-312)		

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Hewlett Packard Enterprise
DUT Product Model	APIN0654

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCD5AU33_FrequencyChannel_10630_1 (Successful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCD5AU33_FrequencyChannel_10630_1 (Successful spectrum access update)

TestResult: PASS

Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (17.7 dBm/MHz PSD, 30.7 dBm EIRP) on channel 5 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

Test Mode	Channel No.	Freq. (MHz)	Average Power (dBm)				Duty Cycle (%)	EIRP (dBm)	AFC Response Limit (dBm)
			Ant 0	Ant 1	Ant 2	Ant 3			
802.11ax-HE20	5	5975	8.19	8.68	7.64	7.94	92.31	18.60	30.70

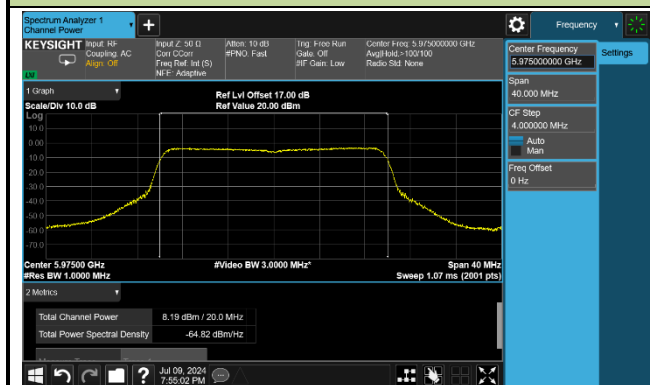
Note 1: EIRP (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\} + \text{Directional Gain for Power (dBi)} + 10 \cdot \log (1/\text{Duty Cycle})$.

Test Mode	Channel No.	Freq. (MHz)	PSD (dBm/MHz)				Duty Cycle (%)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)
			Ant 0	Ant 1	Ant 2	Ant 3			
802.11ax-HE20	5	5975	-3.390	-3.197	-2.848	-3.771	92.31	13.20	17.70

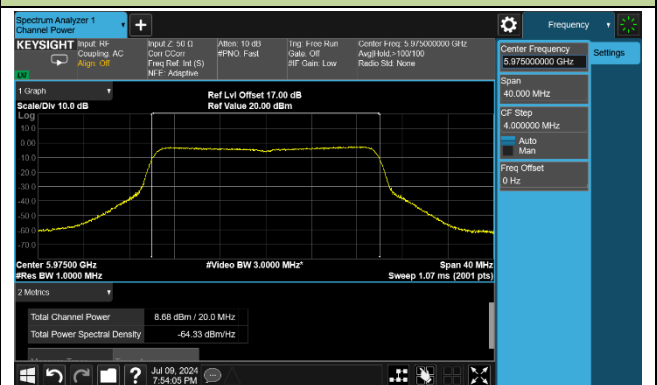
Note: EIRP PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD} / 10)} + 10^{(\text{Ant 1 PSD} / 10)} + 10^{(\text{Ant 2 PSD} / 10)} + 10^{(\text{Ant 3 PSD} / 10)}\} + 10 \cdot \log (1/\text{Duty Cycle}) + \text{Directional Gain for PSD (dBi)}$.

802.11ax-HE20 – Channel 5 (5975MHz) Average Power

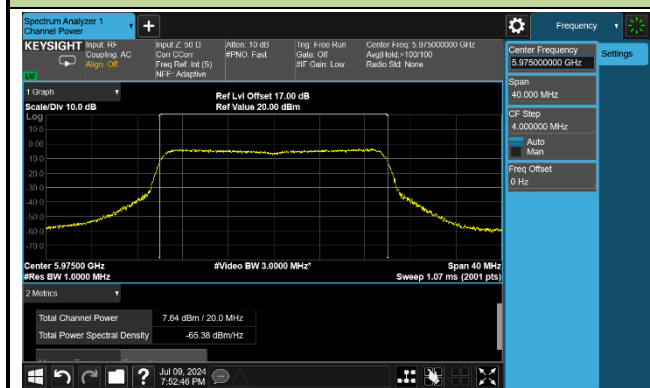
Ant 0



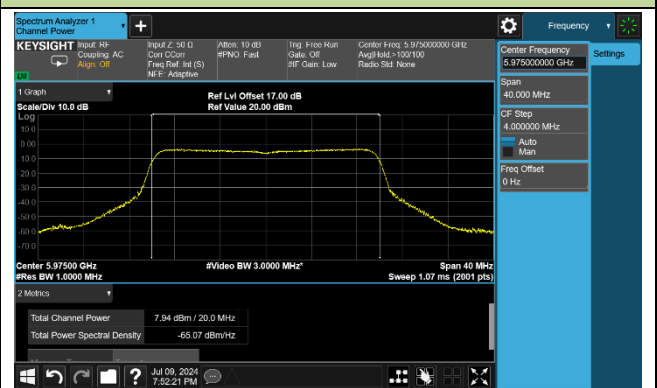
Ant 1



Ant 2



Ant 3

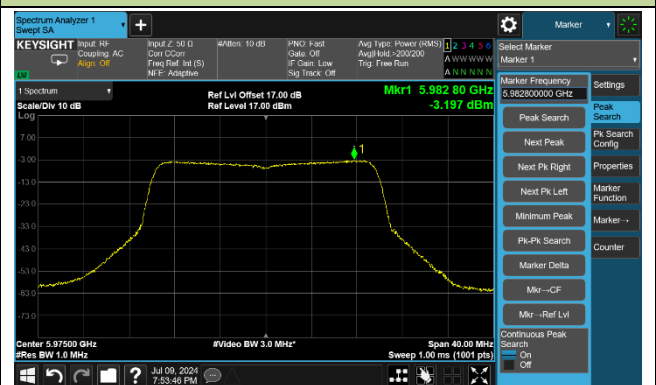


802.11ax-HE20 – Channel 5 (5975MHz) Power Spectral Density

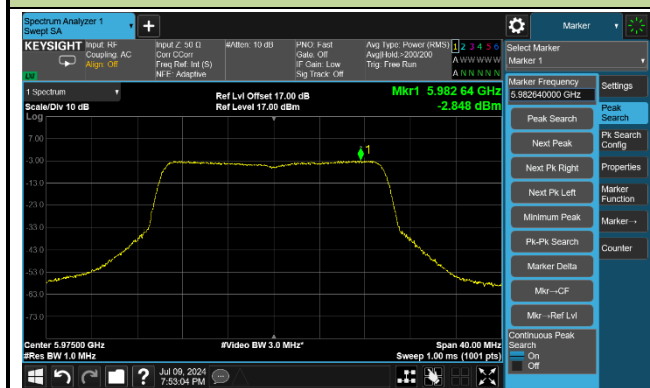
Ant 0



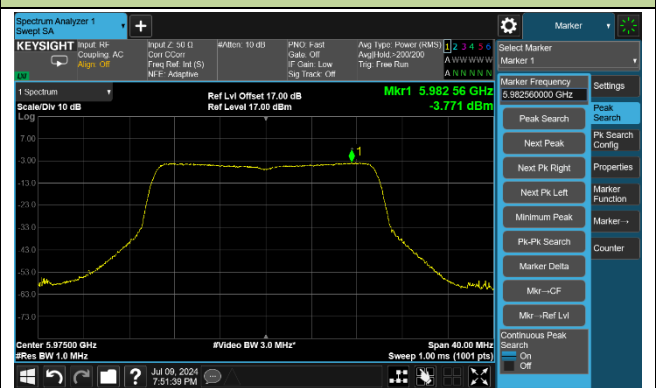
Ant 1



Ant 2



Ant 3



2024-07-09T11:19:40Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "44.238.223.78",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "824",
    "Connection": "Keep-Alive"
  },
  "body": {
    "availableSpectrumInquiryRequests": [
      {
        "deviceDescriptor": {
          "certificationId": [
            {
              "id": "Q9DAPIN0654",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ],
          "serialNumber": "CNQNLZ303J"
        },
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          },
          {
            "globalOperatingClass": 133
          },
          {
            "globalOperatingClass": 134
          }
        ]
      }
    ]
  }
}
```

```

    ],
    "inquiredFrequencyRange": [
      {
        "highFrequency": 7125,
        "lowFrequency": 5925
      }
    ],
    "location": {
      "elevation": {
        "height": 3,
        "heightType": "AGL",
        "verticalUncertainty": 2
      },
      "ellipse": {
        "center": {
          "latitude": 37.381263732910156,
          "longitude": -121.980712890625
        },
        "majorAxis": 11,
        "minorAxis": 2,
        "orientation": 84.794651
      },
      "indoorDeployment": 1
    },
    "requestId": "CNQNLZ303J",
    "vendorExtensions": {
      "extensionId": "Aruba_Info",
      "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
      }
    }
  },
  "version": "1.4"
}

```

2024-07-09T11:19:40Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 14.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 17.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 14.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.1
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6365,
        "lowFrequency": 6345
    },
    "maxPsd": 18.2
},
{
    "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
    },
    "maxPsd": 11.1
},
{
    "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
    },
    "maxPsd": 9.1
},
{
    "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": 15.2
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 21.2
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 10.2
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 18.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 20.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 12.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 11.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
```

```
        "lowFrequency": 6805
      },
      "maxPsd": 14.9
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        81,
        85,
        89,
        93,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        27.3,
        30.7,
        27.7,
        23.1,
        31.2,
        24.1,
        22.1,
        28.2,
        34.2,
        23.2,
        31.5,
        33.9,
```

```
        25.8,
        24.5,
        26.1,
        27.9
    ]
},
{
    "channelCfi": [
        3,
        11,
        83,
        91,
        147,
        155,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        30.3,
        26.1,
        27.1,
        25.1,
        26.2,
        34.5,
        27.5,
        29.1
    ]
},
{
    "channelCfi": [
        7,
        87,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        29.1,
```

```

                28.1,
                29.2,
                30.5
            ]
        },
        {
            "channelCfi": [],
            "globalOperatingClass": 134,
            "maxEirp": []
        }
    ],
    "requestId": "CNQNLZ303J",
    "availabilityExpireTime": "2024-07-10T11:19:40Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```

##### 2024-07-09T11:20:36Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "44.238.223.78",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "824",
        "Connection": "Keep-Alive"
    },
    "body": {
        "availableSpectrumInquiryRequests": [
            {
                "deviceDescriptor": {
                    "certificationId": [

```

```
        "id": "Q9DAPIN0654",
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
      }
    ],
    "serialNumber": "CNQNLZ303J"
  },
  "inquiredChannels": [
    {
      "globalOperatingClass": 131
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    }
  ],
  "inquiredFrequencyRange": [
    {
      "highFrequency": 7125,
      "lowFrequency": 5925
    }
  ],
  "location": {
    "elevation": {
      "height": 3,
      "heightType": "AGL",
      "verticalUncertainty": 2
    },
    "ellipse": {
      "center": {
        "latitude": 37.381263732910156,
        "longitude": -121.980712890625
      },
      "majorAxis": 11,
      "minorAxis": 2,
```

```

        "orientation": 84.794651
      },
      "indoorDeployment": 1
    },
    "requestId": "CNQNLZ303J",
    "vendorExtensions": {
      "extensionId": "Aruba_Info",
      "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
      }
    }
  },
  ],
  "version": "1.4"
}
}

```

```

##### 2024-07-09T11:20:36Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 14.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965

```

```

    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 14.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 10.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 18.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 9.1
  },
  {

```

```

    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 15.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 21.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 10.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 20.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },

```

```

        "maxPsd": 12.8
      },
      {
        "frequencyRange": {
          "highFrequency": 6785,
          "lowFrequency": 6765
        },
        "maxPsd": 11.5
      },
      {
        "frequencyRange": {
          "highFrequency": 6805,
          "lowFrequency": 6785
        },
        "maxPsd": 13.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6825,
          "lowFrequency": 6805
        },
        "maxPsd": 14.9
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          1,
          5,
          9,
          13,
          81,
          85,
          89,
          93,
          145,
          149,
          153,
          157,

```

```
        161,
        165,
        169,
        173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        27.3,
        30.7,
        27.7,
        23.1,
        31.2,
        24.1,
        22.1,
        28.2,
        34.2,
        23.2,
        31.5,
        33.9,
        25.8,
        24.5,
        26.1,
        27.9
    ]
},
{
    "channelCfi": [
        3,
        11,
        83,
        91,
        147,
        155,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        30.3,
```

```

                26.1,
                27.1,
                25.1,
                26.2,
                34.5,
                27.5,
                29.1
            ]
        },
        {
            "channelCfi": [
                7,
                87,
                151,
                167
            ],
            "globalOperatingClass": 133,
            "maxEirp": [
                29.1,
                28.1,
                29.2,
                30.5
            ]
        },
        {
            "channelCfi": [],
            "globalOperatingClass": 134,
            "maxEirp": []
        }
    ],
    "requestId": "CNQNLZ303J",
    "availabilityExpireTime": "2024-07-10T11:20:36Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

```



Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2024-07-09 ~ 2024-07-10		
Test Antenna	High Gain Antenna (AP-ANT-348)		

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDSAUI33_FrequencyChannel_10630_1(Successful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDSAUI33_FrequencyChannel_10630_1 (Successful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (16.9 dBm/MHz PSD, 29.9 dBm EIRP) on channel 149 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

Test Mode	Channel No.	Freq. (MHz)	Average Power (dBm)				Duty Cycle (%)	EIRP (dBm)	AFC Response Limit (dBm)
			Ant 0	Ant 1	Ant 2	Ant 3			
802.11ax-HE20	149	6695	3.47	3.78	3.49	3.72	92.31	17.99	29.90

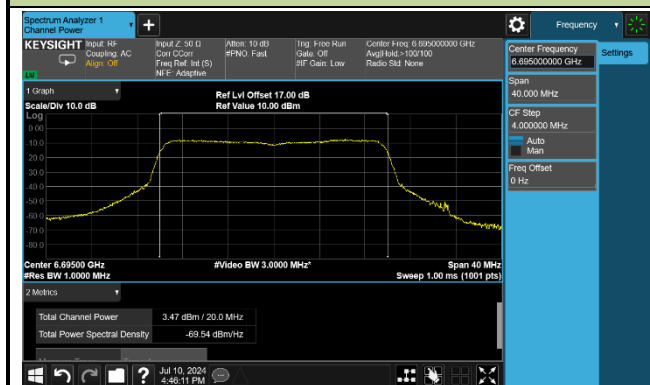
Note 1: EIRP (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\} + \text{Directional Gain for Power (dBi)} + 10 \cdot \log (1/\text{Duty Cycle})$.

Test Mode	Channel No.	Freq. (MHz)	PSD (dBm/MHz)				Duty Cycle (%)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)
			Ant 0	Ant 1	Ant 2	Ant 3			
802.11ax-HE20	149	6695	-7.772	-7.339	-7.855	-7.952	92.31	9.655	16.90

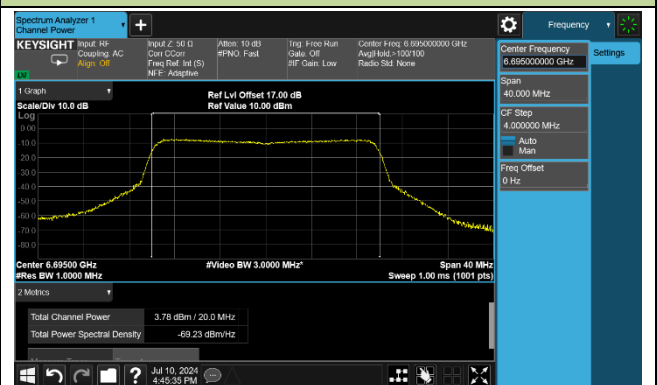
Note: EIRP PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD} / 10)} + 10^{(\text{Ant 1 PSD} / 10)} + 10^{(\text{Ant 2 PSD} / 10)} + 10^{(\text{Ant 3 PSD} / 10)}\} + 10 \cdot \log (1/\text{Duty Cycle}) + \text{Directional Gain for PSD (dBi)}$.

802.11ax-HE20 – Channel 149 (6695MHz) Average Power

Ant 0



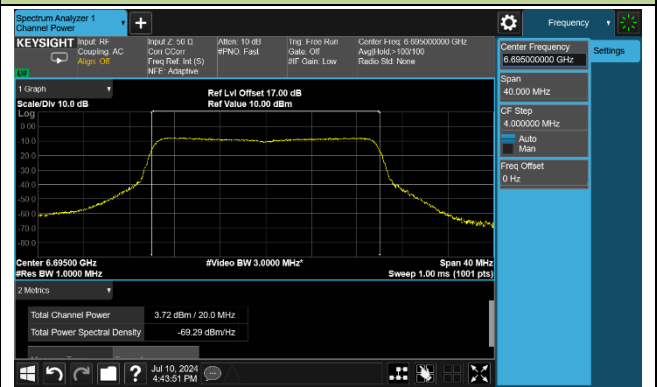
Ant 1



Ant 2



Ant 3



802.11ax-HE20 – Channel 149 (6695MHz) Power Spectral Density

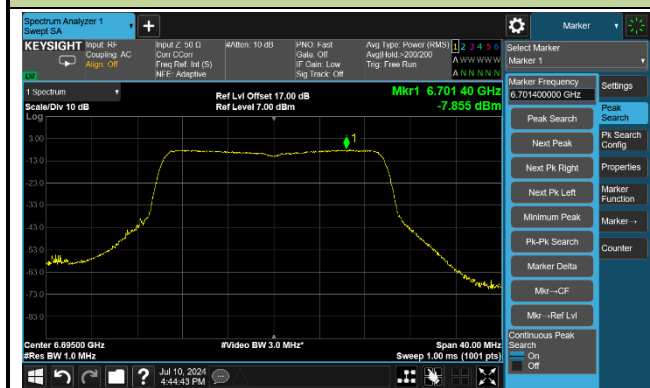
Ant 0



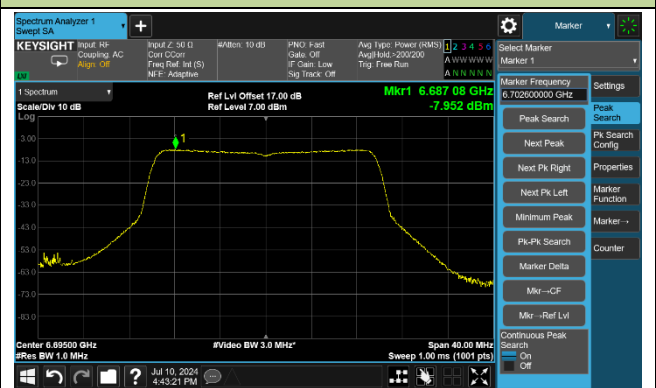
Ant 1



Ant 2



Ant 3



2024-07-10T08:18:40Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "44.238.223.78",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "824",
    "Connection": "Keep-Alive"
  },
  "body": {
    "availableSpectrumInquiryRequests": [
      {
        "deviceDescriptor": {
          "certificationId": [
            {
              "id": "Q9DAPIN0654",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ],
          "serialNumber": "CNQNLZ303J"
        },
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          },
          {
            "globalOperatingClass": 133
          },
          {
            "globalOperatingClass": 134
          }
        ]
      }
    ]
  }
}
```

```

    ],
    "inquiredFrequencyRange": [
      {
        "highFrequency": 7125,
        "lowFrequency": 5925
      }
    ],
    "location": {
      "elevation": {
        "height": 3,
        "heightType": "AGL",
        "verticalUncertainty": 2
      },
      "ellipse": {
        "center": {
          "latitude": 37.381263732910156,
          "longitude": -121.980712890625
        },
        "majorAxis": 11,
        "minorAxis": 2,
        "orientation": 84.794651
      },
      "indoorDeployment": 1
    },
    "requestId": "CNQNLZ303J",
    "vendorExtensions": {
      "extensionId": "Aruba_Info",
      "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
      }
    }
  },
  "version": "1.4"
}

```

2024-07-10T08:18:41Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 11.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 8.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 10.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 14.5
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6125,
        "lowFrequency": 6105
    },
    "maxPsd": 10.6
},
{
    "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
    },
    "maxPsd": 20.6
},
{
    "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
    },
    "maxPsd": 16.9
},
{
    "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
    },
    "maxPsd": 21.7
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 11.7
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 8.4
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 21.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 19.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 10.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 16.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 20.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
```

```
        "lowFrequency": 6725
      },
      "maxPsd": 17.8
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        65,
        69,
        73,
        77,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        24.8,
        21.5,
        23.5,
        27.5,
        23.6,
        33.6,
        29.9,
        34.7,
        24.7,
        21.4,
        34.5,
        32.8,
```

```
        23.0,
        29.9,
        33.3,
        30.8
    ]
},
{
    "channelCfi": [
        19,
        27,
        35,
        43,
        67,
        75,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.5,
        26.5,
        26.6,
        32.9,
        24.4,
        35.8,
        26.0,
        33.8
    ]
},
{
    "channelCfi": [
        23,
        39,
        71,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.5,
```

```
        29.6,  
        27.4,  
        29.0  
    ]  
  },  
  {  
    "channelCfi": [],  
    "globalOperatingClass": 134,  
    "maxEirp": []  
  }  
],  
"requestId": "CNQNLZ303J",  
"availabilityExpireTime": "2024-07-11T08:18:41Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

A.4 Unsuccessful Spectrum Access Update

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2024-07-09 ~ 2024-07-10		
Test Antenna	Low Gain Antenna (AP-ANT-312)		

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (23 dBm/MHz PSD, 36.0 dBm EIRP) on channel 5 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

Test Mode	Channel No.	Freq. (MHz)	Average Power (dBm)				Duty Cycle (%)	EIRP (dBm)	AFC Response Limit (dBm)
			Ant 0	Ant 1	Ant 2	Ant 3			
802.11ax-HE20	5	5975	8.04	8.30	8.08	7.89	92.31	18.55	36.00

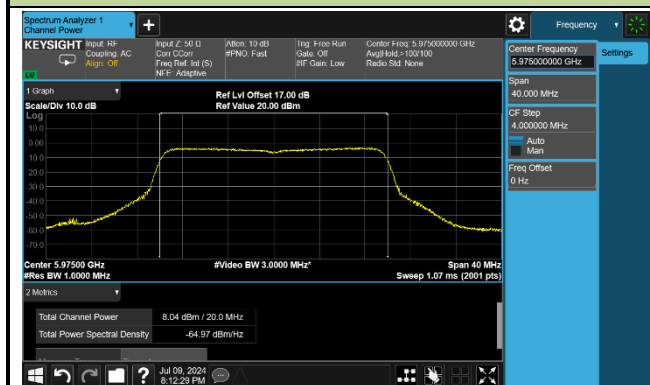
Note 1: EIRP (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\} + \text{Directional Gain for Power (dBi)} + 10 \cdot \log (1/\text{Duty Cycle})$.

Test Mode	Channel No.	Freq. (MHz)	PSD (dBm/MHz)				Duty Cycle (%)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)
			Ant 0	Ant 1	Ant 2	Ant 3			
802.11ax-HE20	5	5975	-3.476	-3.189	-2.941	-3.895	92.31	13.128	23.00

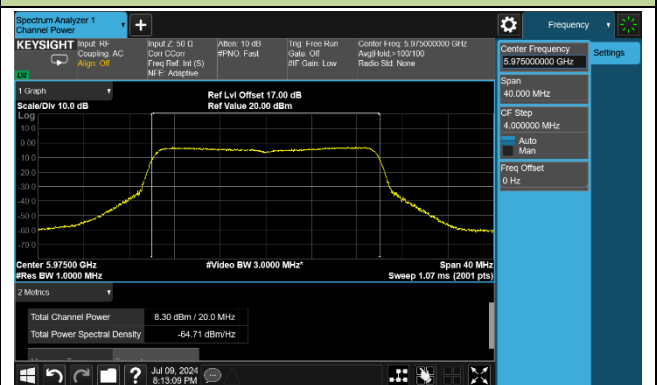
Note: EIRP PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD} / 10)} + 10^{(\text{Ant 1 PSD} / 10)} + 10^{(\text{Ant 2 PSD} / 10)} + 10^{(\text{Ant 3 PSD} / 10)}\} + 10 \cdot \log (1/\text{Duty Cycle}) + \text{Directional Gain for PSD (dBi)}$.

802.11ax-HE20 – Channel 5 (5975MHz) Average Power

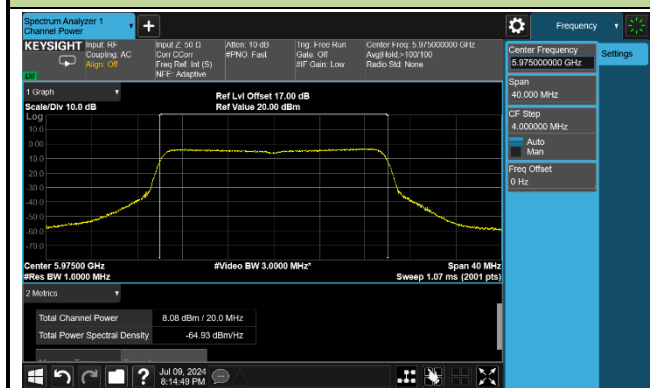
Ant 0



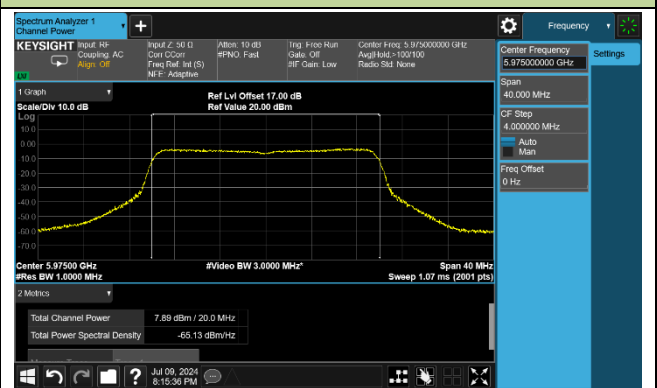
Ant 1



Ant 2

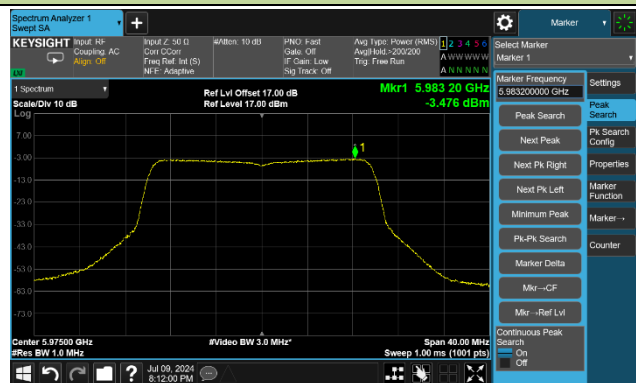


Ant 3

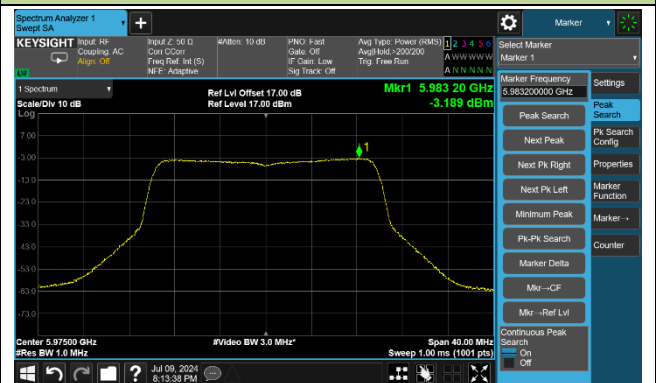


802.11ax-HE20 – Channel 5 (5975MHz) Power Spectral Density

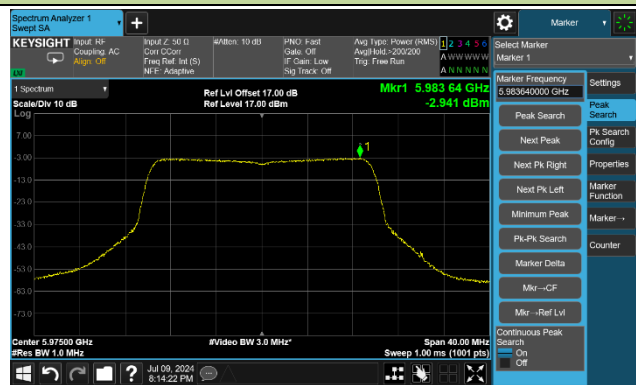
Ant 0



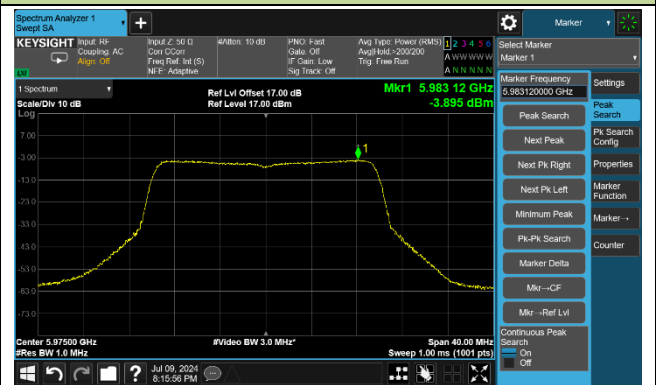
Ant 1



Ant 2



Ant 3



2024-07-09T10:47:14Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "44.238.223.78",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "824",
    "Connection": "Keep-Alive"
  },
  "body": {
    "availableSpectrumInquiryRequests": [
      {
        "deviceDescriptor": {
          "certificationId": [
            {
              "id": "Q9DAPIN0654",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ],
          "serialNumber": "CNQNLZ303J"
        },
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          },
          {
            "globalOperatingClass": 133
          },
          {
            "globalOperatingClass": 134
          }
        ]
      }
    ]
  }
}
```

```

    ],
    "inquiredFrequencyRange": [
      {
        "highFrequency": 7125,
        "lowFrequency": 5925
      }
    ],
    "location": {
      "elevation": {
        "height": 3,
        "heightType": "AGL",
        "verticalUncertainty": 2
      },
      "ellipse": {
        "center": {
          "latitude": 37.381263732910156,
          "longitude": -121.980712890625
        },
        "majorAxis": 11,
        "minorAxis": 2,
        "orientation": 84.794651
      },
      "indoorDeployment": 1
    },
    "requestId": "CNQNLZ303J",
    "vendorExtensions": {
      "extensionId": "Aruba_Info",
      "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
      }
    }
  },
  "version": "1.4"
}

```

2024-07-09T10:47:14Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5945,
            "lowFrequency": 5925
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 23
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        {
          "frequencyRange": {
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          "maxPsd": 23
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        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
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        "lowFrequency": 6045
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
    },
    "maxPsd": 23
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 23
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    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
```

```
        "lowFrequency": 6245
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 23
    },
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        "highFrequency": 6305,
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      },
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      "frequencyRange": {
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        "lowFrequency": 6305
      },
      "maxPsd": 23
    },
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      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 23
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
```

```

    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
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  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 23
  },
  {

```

```

"frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
},
"maxPsd": 23
},
{
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        "lowFrequency": 6705
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
    },

```

```

        "maxPsd": 23
      },
      {
        "frequencyRange": {
          "highFrequency": 6825,
          "lowFrequency": 6805
        },
        "maxPsd": 23
      },
      {
        "frequencyRange": {
          "highFrequency": 6845,
          "lowFrequency": 6825
        },
        "maxPsd": 23
      },
      {
        "frequencyRange": {
          "highFrequency": 6865,
          "lowFrequency": 6845
        },
        "maxPsd": 23
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          33,
          37,
          41,
          45,

```

```
49,  
53,  
57,  
61,  
65,  
69,  
73,  
77,  
81,  
85,  
89,  
93,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,
```

```
[  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
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    36.0,  
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    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0,  
    36.0  
],  
{  
    "channelCfi": [  
        3,
```

254 of 279

```
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        15,
        47,
        79,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
```

```
        36.0,  
        36.0,  
        36.0,  
        36.0  
    ]  
    }  
  ],  
  "requestId": "CNQNLZ303J",  
  "availabilityExpireTime": "2024-07-10T10:47:14Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```



Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2024-07-09 ~ 2024-07-10		
Test Antenna	High Gain Antenna (AP-ANT-348)		

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (23 dBm/MHz PSD, 36.0 dBm EIRP) on channel 5 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

Test Mode	Channel No.	Freq. (MHz)	Average Power (dBm)				Duty Cycle (%)	EIRP (dBm)	AFC Response Limit (dBm)
			Ant 0	Ant 1	Ant 2	Ant 3			
802.11ax-HE20	5	5975	4.41	4.76	4.88	3.99	92.31	18.89	36.00

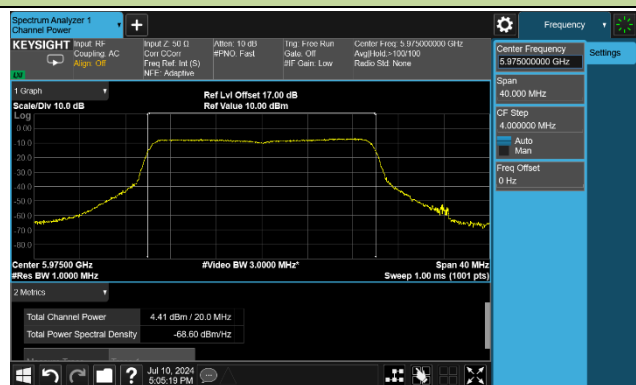
Note 1: EIRP (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\} + \text{Directional Gain for Power (dBi)} + 10 \cdot \log (1/\text{Duty Cycle})$.

Test Mode	Channel No.	Freq. (MHz)	PSD (dBm/MHz)				Duty Cycle (%)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)
			Ant 0	Ant 1	Ant 2	Ant 3			
802.11ax-HE20	5	5975	-6.724	-6.384	-6.715	-6.830	92.31	10.718	23.00

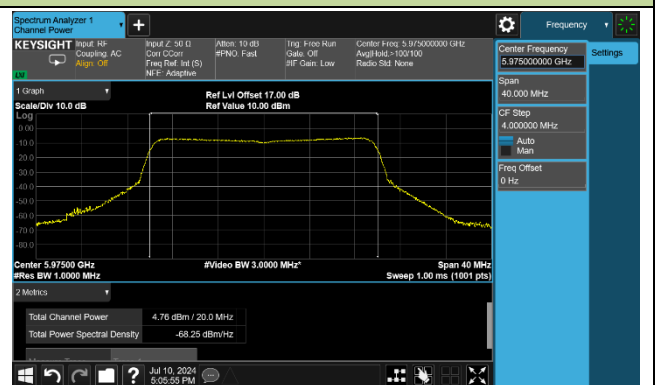
Note: EIRP PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD} / 10)} + 10^{(\text{Ant 1 PSD} / 10)} + 10^{(\text{Ant 2 PSD} / 10)} + 10^{(\text{Ant 3 PSD} / 10)}\} + 10 \cdot \log (1/\text{Duty Cycle}) + \text{Directional Gain for PSD (dBi)}$.

802.11ax-HE20 – Channel 5 (5975MHz) Average Power

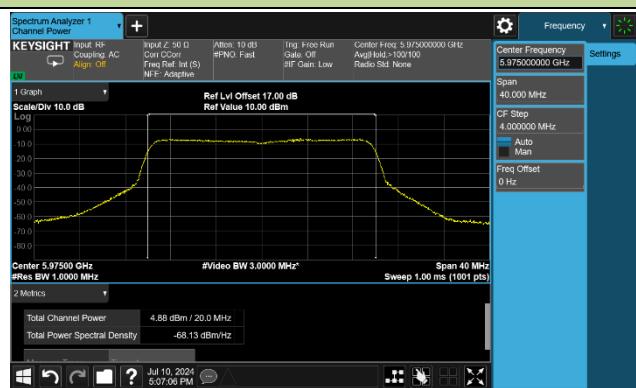
Ant 0



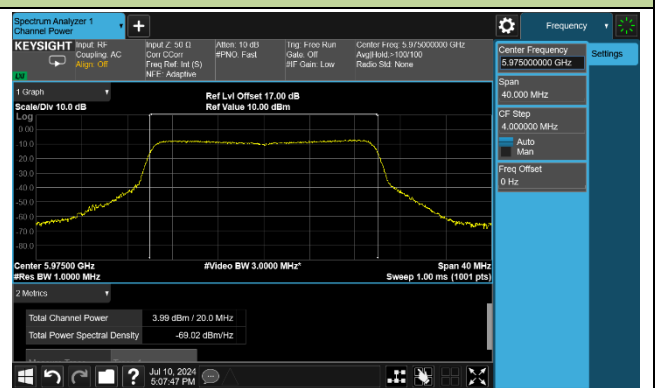
Ant 1



Ant 2



Ant 3



802.11ax-HE20 – Channel 5 (5975MHz) Average Power

Ant 0



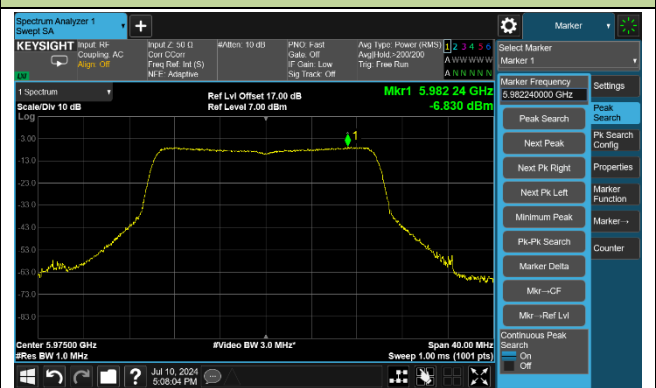
Ant 1



Ant 2



Ant 3



2024-07-10T08:36:45Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "Go-http-client/1.1",
    "Accept": "application/json",
    "Content-Type": "application/json",
    "Accept-Encoding": "gzip",
    "X-Forwarded-For": "44.238.223.78",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "824",
    "Connection": "Keep-Alive"
  },
  "body": {
    "availableSpectrumInquiryRequests": [
      {
        "deviceDescriptor": {
          "certificationId": [
            {
              "id": "Q9DAPIN0654",
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
            }
          ],
          "serialNumber": "CNQNLZ303J"
        },
        "inquiredChannels": [
          {
            "globalOperatingClass": 131
          },
          {
            "globalOperatingClass": 132
          },
          {
            "globalOperatingClass": 133
          },
          {
            "globalOperatingClass": 134
          }
        ]
      }
    ]
  }
}
```

```

    ],
    "inquiredFrequencyRange": [
      {
        "highFrequency": 7125,
        "lowFrequency": 5925
      }
    ],
    "location": {
      "elevation": {
        "height": 3,
        "heightType": "AGL",
        "verticalUncertainty": 2
      },
      "ellipse": {
        "center": {
          "latitude": 37.381263732910156,
          "longitude": -121.980712890625
        },
        "majorAxis": 11,
        "minorAxis": 2,
        "orientation": 84.794651
      },
      "indoorDeployment": 1
    },
    "requestId": "CNQNLZ303J",
    "vendorExtensions": {
      "extensionId": "Aruba_Info",
      "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
      }
    }
  },
  "version": "1.4"
}

```

2024-07-10T08:36:45Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5945,
            "lowFrequency": 5925
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 23
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{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
    },
    "maxPsd": 23
}
```

```
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6145,  
        "lowFrequency": 6125  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
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        "lowFrequency": 6145  
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      "maxPsd": 23  
    },  
    {  
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        "lowFrequency": 6165  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6205,  
        "lowFrequency": 6185  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6245,  
        "lowFrequency": 6225  
      },  
      "maxPsd": 23  
    },  
    {  
      "frequencyRange": {  
        "highFrequency": 6265,
```

```
        "lowFrequency": 6245
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      "maxPsd": 23
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    {
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      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 23
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
```

```
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
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  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 23
  },
  {
```

```

    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 23
  },
  {
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      "highFrequency": 6745,
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    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },

```

```

        "maxPsd": 23
      },
      {
        "frequencyRange": {
          "highFrequency": 6825,
          "lowFrequency": 6805
        },
        "maxPsd": 23
      },
      {
        "frequencyRange": {
          "highFrequency": 6845,
          "lowFrequency": 6825
        },
        "maxPsd": 23
      },
      {
        "frequencyRange": {
          "highFrequency": 6865,
          "lowFrequency": 6845
        },
        "maxPsd": 23
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          33,
          37,
          41,
          45,

```

```
49,  
53,  
57,  
61,  
65,  
69,  
73,  
77,  
81,  
85,  
89,  
93,  
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,  
36.0,
```

272 of 279

273 of 279

```
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        15,
        47,
        79,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
```

```
        36.0,  
        36.0,  
        36.0,  
        36.0  
    ]  
  }  
],  
  "requestId": "CNQNLZ303J",  
  "availabilityExpireTime": "2024-07-11T08:36:45Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
  "version": "1.4"  
}
```

A.5 Unsuccessful Server Validation

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2024-05-24 ~ 2024-05-25		

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP with Proxy
DUT Vendor Name	Hewlett Packard Enterprise
DUT Product Model	APIN0654

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)

TestResult:PASS

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

Appendix B – Test Setup Photograph

Refer to “2307RSU045-UT” file.

Appendix C – EUT Photograph

Refer to “2307RSU045-UE” file.

_____ The End _____