



B.1.3. AFC DUT Compliance Test Report – 80MHz

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	Fortinet
DUT Product Model	FortiAP 441K

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT AFC SP AP AFCDRSA31_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1 (Successful 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_1	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 transmit power in the band is less than CEILING/LPI limits (5 dBm/MHz PSD), SP limits (12.1 dBm/MHz PSD, 31.1 dBm EIRP) in Spectrum Response on channel center frequency index 71 bandwidth 80.	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_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING/LPI limits (5 dBm/MHz PSD), SP limits (11.7 dBm/MHz PSD, 30.7 dBm EIRP) in Spectrum Response on channel center frequency index 135 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

**B.1.4. AFC DUT Compliance Test Report – 160MHz****AFC DUT Compliance Test Report****DUT Information**

AFC DUT System	Standard Power AP
DUT Vendor Name	Fortinet
DUT Product Model	FortiAP 441K

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT AFC SP AP AFCDRSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1 (Successful 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_1	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 transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (10.0 dBm/MHz PSD, 32.0 dBm EIRP) in Spectrum Reponse] on channel center frequency index 47 bandwidth 160.	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_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (11.9 dBm/MHz PSD, 33.9 dBm EIRP) in Spectrum Reponse] on channel center frequency index 15 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

**B.1.5. AFC DUT Compliance Test Report – 320MHz****AFC DUT Compliance Test Report****DUT Information**

AFC DUT System	Standard Power AP
DUT Vendor Name	Fortinet
DUT Product Model	FortiAP 441K

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(l)(ii), 15.407(k)(8)(iv)	CT AFC SP AP AFCDRSA31_FrequencyChannel_320MHz_10715_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_10715_1 (Successful 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_1	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 transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (8.1 dBm/MHz PSD, 33.2 dBm EIRP) in Spectrum Reponse] on channel center frequency index 63 bandwidth 320.	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_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (-1.2 dBm/MHz PSD, 23.9 dBm EIRP) in Spectrum Reponse] on channel center frequency index 31 bandwidth 320.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

**B.1.6. DUT Available Spectrum Inquiry Request-Response – 20MHz**

```
##### 2025-04-03T22:23:37Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*//*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1355",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "2530299193",
        "deviceDescriptor": {
          "serialNumber": "3233846782",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_AFC"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.0105651,
              "latitude": 37.3757401
            },
            "majorAxis": 15,
            "minorAxis": 18,
            "orientation": 0
          },
          "elevation": {
            "height": 80,
            "heightType": "AMSL",
            "verticalUncertainty": 30
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6865
          }
        ]
      }
    ]
  }
}
```

```
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131,  
    "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": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
    ]  
  }  
]
```

```
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91,  
        123,  
        131,  
        139,  
        147,  
        155,  
        163,  
        171,  
        179  
    ]  
},  
{  
    "globalOperatingClass": 133,  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        135,  
        151,  
        167  
    ]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        143  
    ]  
},  
{  
    "globalOperatingClass": 135,  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        135,  
        151,  
        167  
    ]  
}
```



```
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}

##### 2025-04-03T22:23:37Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 10.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 19.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 19.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 21.2
        },
        {
          "frequencyRange": {
```



```
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 12.7
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 16.1
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 16.1
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 12.3
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 16.6
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 8.1
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 11.2
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 16.1
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 15.9
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 8.9
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 10.5
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      23.0,
      32.6,
      32.0,
```



```
        34.2,
        25.7,
        29.1,
        29.1,
        25.3,
        29.6,
        21.1,
        24.2,
        29.1,
        28.9,
        21.9,
        26.9,
        23.5
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        26.0,
        35.0,
        28.7,
        28.3,
        24.1,
        27.2,
        24.9,
        26.5
    ]
},
{
    "channelCfi": [
        39,
        55,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        29.0,
        31.3,
        27.1,
        27.9
    ]
},
{
```



```
        "channelCfi": [
            47,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            32.0,
            30.1
        ]
    },
    {
        "channelCfi": [
            63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            33.2
        ]
    }
],
"requestId": "2530299193",
"availabilityExpireTime": "2025-04-04T22:23:37Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2025-04-03T22:24:09Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "10.69.14.204",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1355",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "2562706567",
                "deviceDescriptor": {
                    "serialNumber": "3233846782",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "FCC_CERT_ID_AFC"
                        }
                    ]
                }
            }
        ]
    },
}
```



```
"location": {
  "ellipse": {
    "center": {
      "longitude": -122.0105651,
      "latitude": 37.3757401
    },
    "majorAxis": 15,
    "minorAxis": 18,
    "orientation": 0
  },
  "elevation": {
    "height": 80,
    "heightType": "AMSL",
    "verticalUncertainty": 30
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6425
  },
  {
    "lowFrequency": 6525,
    "highFrequency": 6865
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131,
    "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179  
  ]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,
```



```
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 134,
      "channelCfi": [
        15,
        47,
        79,
        143
      ]
    },
    {
      "globalOperatingClass": 135,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
```

2025-04-03T22:24:09Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
```



```
        "lowFrequency": 6105
      },
      "maxPsd": 10.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 19.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 21.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 12.3
    },
  ],
  {
```



```
        "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
        },
        "maxPsd": 16.6
    },
    {
        "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
        },
        "maxPsd": 8.1
    },
    {
        "frequencyRange": {
            "highFrequency": 6325,
            "lowFrequency": 6305
        },
        "maxPsd": 11.2
    },
    {
        "frequencyRange": {
            "highFrequency": 6345,
            "lowFrequency": 6325
        },
        "maxPsd": 16.1
    },
    {
        "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
        },
        "maxPsd": 15.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6385,
            "lowFrequency": 6365
        },
        "maxPsd": 8.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6405,
            "lowFrequency": 6385
        },
        "maxPsd": 13.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6425,
            "lowFrequency": 6405
        },
        "maxPsd": 10.5
    }
```

```
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        23.0,
        32.6,
        32.0,
        34.2,
        25.7,
        29.1,
        29.1,
        25.3,
        29.6,
        21.1,
        24.2,
        29.1,
        28.9,
        21.9,
        26.9,
        23.5
      ]
    },
    {
      "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
      ],
      "globalOperatingClass": 132,
```



```
        "maxEirp": [
            26.0,
            35.0,
            28.7,
            28.3,
            24.1,
            27.2,
            24.9,
            26.5
        ],
    },
    {
        "channelCfi": [
            39,
            55,
            71,
            87
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            29.0,
            31.3,
            27.1,
            27.9
        ],
    },
    {
        "channelCfi": [
            47,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            32.0,
            30.1
        ],
    },
    {
        "channelCfi": [
            63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            33.2
        ],
    }
},
"requestId": "2562706567",
"availabilityExpireTime": "2025-04-04T22:24:09Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
},
"version": "1.4"
}
```



```
##### 2025-04-03T22:30:01Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1355",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "2914729765",
        "deviceDescriptor": {
          "serialNumber": "3233846782",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_AFC"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.0105651,
              "latitude": 37.3757401
            },
            "majorAxis": 15,
            "minorAxis": 18,
            "orientation": 0
          },
          "elevation": {
            "height": 80,
            "heightType": "AMSL",
            "verticalUncertainty": 30
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6865
          }
        ]
      }
    ]
  }
}
```



```
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131,  
    "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": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
    ]  
  }  
]
```

```
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
    ]
},
{
    "globalOperatingClass": 133,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        143
    ]
},
{
    "globalOperatingClass": 135,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
}
```



```
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}

##### 2025-04-03T22:30:01Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 9.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 14.3
        },
        {
          "frequencyRange": {
```



```
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 13.0
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 17.4
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 12.5
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 16.5
},
{
    "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 15.6
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 10.3
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 13.6
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 18.3
},
},
```



```
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 15.6
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 14.8
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 9.5
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 20.4
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 8.1
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 16.0
},
{
    "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
    },
    "maxPsd": 9.3
},
{
    "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
    },
```



```
        "maxPsd": 20.2
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          129,
          133,
          137,
          141,
          145,
          149,
          153,
          157,
          161,
          165,
          169,
          173
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
          26.9,
          22.8,
          22.9,
          27.3,
          26.0,
          30.4,
          25.5,
          29.5,
          28.6,
          23.3,
          26.6,
          31.3,
          28.6,
          27.8,
          22.5,
          33.4,
          21.1,
          29.0,
          22.3,
          33.2
        ]
      }
    ],
    {
      "channelCfi": [
        3,
```

```
11,  
19,  
27,  
131,  
139,  
147,  
155,  
163,  
171  
],  
"globalOperatingClass": 132,  
"maxEirp": [  
25.8,  
25.9,  
29.0,  
28.5,  
26.3,  
29.6,  
30.8,  
25.5,  
24.1,  
25.3  
]  
},  
{  
"channelCfi": [  
7,  
23,  
135,  
151,  
167  
],  
"globalOperatingClass": 133,  
"maxEirp": [  
28.8,  
31.5,  
29.3,  
28.5,  
27.1  
]  
},  
{  
"channelCfi": [  
15,  
143  
],  
"globalOperatingClass": 134,  
"maxEirp": [  
31.8,  
31.5  
]  
}  
],  
"requestId": "2914729765",
```



```
        "availabilityExpireTime": "2025-04-04T22:30:01Z",  
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
    },  
    ],  
    "version": "1.4"  
}
```

**B.1.7. DUT Available Spectrum Inquiry Request-Response – 40MHz**

```
##### 2025-04-03T22:23:37Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1355",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "2530299193",
        "deviceDescriptor": {
          "serialNumber": "3233846782",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_AFC"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.0105651,
              "latitude": 37.3757401
            },
            "majorAxis": 15,
            "minorAxis": 18,
            "orientation": 0
          },
          "elevation": {
            "height": 80,
            "heightType": "AMSL",
            "verticalUncertainty": 30
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6865
          }
        ]
      }
    ]
  }
}
```



```
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131,  
    "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": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
    ]  
  }  
]
```



```
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
    ]
},
{
    "globalOperatingClass": 133,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        143
    ]
},
{
    "globalOperatingClass": 135,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
}
```



```
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}

##### 2025-04-03T22:23:37Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 10.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 19.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 19.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 21.2
        },
        {
          "frequencyRange": {
```



```
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 12.7
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 16.1
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 16.1
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 12.3
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 16.6
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 8.1
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 11.2
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 16.1
},
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 15.9
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 8.9
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 10.5
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      23.0,
      32.6,
      32.0,
```



```
        34.2,
        25.7,
        29.1,
        29.1,
        25.3,
        29.6,
        21.1,
        24.2,
        29.1,
        28.9,
        21.9,
        26.9,
        23.5
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        26.0,
        35.0,
        28.7,
        28.3,
        24.1,
        27.2,
        24.9,
        26.5
    ]
},
{
    "channelCfi": [
        39,
        55,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        29.0,
        31.3,
        27.1,
        27.9
    ]
},
{
```



```
        "channelCfi": [
            47,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            32.0,
            30.1
        ]
    },
    {
        "channelCfi": [
            63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            33.2
        ]
    }
],
"requestId": "2530299193",
"availabilityExpireTime": "2025-04-04T22:23:37Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2025-04-03T22:24:09Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "10.69.14.204",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1355",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "2562706567",
                "deviceDescriptor": {
                    "serialNumber": "3233846782",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "FCC_CERT_ID_AFC"
                        }
                    ]
                }
            }
        ]
    }
},
```



```
"location": {
  "ellipse": {
    "center": {
      "longitude": -122.0105651,
      "latitude": 37.3757401
    },
    "majorAxis": 15,
    "minorAxis": 18,
    "orientation": 0
  },
  "elevation": {
    "height": 80,
    "heightType": "AMSL",
    "verticalUncertainty": 30
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6425
  },
  {
    "lowFrequency": 6525,
    "highFrequency": 6865
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131,
    "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179  
  ]  
},  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,
```



```
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 134,
      "channelCfi": [
        15,
        47,
        79,
        143
      ]
    },
    {
      "globalOperatingClass": 135,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}

##### 2025-04-03T22:24:09Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
```



```
        "lowFrequency": 6105
      },
      "maxPsd": 10.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 19.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 21.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 12.3
    },
  ],
  {
```



```
        "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
        },
        "maxPsd": 16.6
    },
    {
        "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
        },
        "maxPsd": 8.1
    },
    {
        "frequencyRange": {
            "highFrequency": 6325,
            "lowFrequency": 6305
        },
        "maxPsd": 11.2
    },
    {
        "frequencyRange": {
            "highFrequency": 6345,
            "lowFrequency": 6325
        },
        "maxPsd": 16.1
    },
    {
        "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
        },
        "maxPsd": 15.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6385,
            "lowFrequency": 6365
        },
        "maxPsd": 8.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6405,
            "lowFrequency": 6385
        },
        "maxPsd": 13.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6425,
            "lowFrequency": 6405
        },
        "maxPsd": 10.5
    }
```

```
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        23.0,
        32.6,
        32.0,
        34.2,
        25.7,
        29.1,
        29.1,
        25.3,
        29.6,
        21.1,
        24.2,
        29.1,
        28.9,
        21.9,
        26.9,
        23.5
      ]
    },
    {
      "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
      ],
      "globalOperatingClass": 132,
```



```
        "maxEirp": [
            26.0,
            35.0,
            28.7,
            28.3,
            24.1,
            27.2,
            24.9,
            26.5
        ],
    },
    {
        "channelCfi": [
            39,
            55,
            71,
            87
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            29.0,
            31.3,
            27.1,
            27.9
        ],
    },
    {
        "channelCfi": [
            47,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            32.0,
            30.1
        ],
    },
    {
        "channelCfi": [
            63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            33.2
        ],
    }
},
"requestId": "2562706567",
"availabilityExpireTime": "2025-04-04T22:24:09Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
},
"version": "1.4"
}
```



```
##### 2025-04-03T22:30:01Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1355",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "2914729765",
        "deviceDescriptor": {
          "serialNumber": "3233846782",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_AFC"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.0105651,
              "latitude": 37.3757401
            },
            "majorAxis": 15,
            "minorAxis": 18,
            "orientation": 0
          },
          "elevation": {
            "height": 80,
            "heightType": "AMSL",
            "verticalUncertainty": 30
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6865
          }
        ]
      }
    ]
  }
}
```

```
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131,  
    "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": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
    ]  
  }  
]
```



```
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
    ]
},
{
    "globalOperatingClass": 133,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        143
    ]
},
{
    "globalOperatingClass": 135,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
}
```



```
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}

##### 2025-04-03T22:30:01Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 9.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 14.3
        },
        {
          "frequencyRange": {
```



```
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 13.0
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 17.4
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 12.5
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 16.5
},
{
    "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 15.6
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 10.3
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 13.6
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 18.3
},
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 14.8
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 16.0
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 9.3
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 10.0
}
```



```
        "maxPsd": 20.2
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          129,
          133,
          137,
          141,
          145,
          149,
          153,
          157,
          161,
          165,
          169,
          173
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
          26.9,
          22.8,
          22.9,
          27.3,
          26.0,
          30.4,
          25.5,
          29.5,
          28.6,
          23.3,
          26.6,
          31.3,
          28.6,
          27.8,
          22.5,
          33.4,
          21.1,
          29.0,
          22.3,
          33.2
        ]
      },
      {
        "channelCfi": [
          3,
```



```
11,
19,
27,
131,
139,
147,
155,
163,
171
],
"globalOperatingClass": 132,
"maxEirp": [
25.8,
25.9,
29.0,
28.5,
26.3,
29.6,
30.8,
25.5,
24.1,
25.3
]
},
{
"channelCfi": [
7,
23,
135,
151,
167
],
"globalOperatingClass": 133,
"maxEirp": [
28.8,
31.5,
29.3,
28.5,
27.1
]
},
{
"channelCfi": [
15,
143
],
"globalOperatingClass": 134,
"maxEirp": [
31.8,
31.5
]
}
],
"requestId": "2914729765",
```



```
        "availabilityExpireTime": "2025-04-04T22:30:01Z",  
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
    },  
    ],  
    "version": "1.4"  
}
```

**B.1.8. DUT Available Spectrum Inquiry Request-Response – 80MHz**

```
##### 2025-04-03T23:39:57Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1355",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "2814606798",
        "deviceDescriptor": {
          "serialNumber": "3233846782",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_AFC"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.0105651,
              "latitude": 37.3757401
            },
            "majorAxis": 15,
            "minorAxis": 18,
            "orientation": 0
          },
          "elevation": {
            "height": 80,
            "heightType": "AMSL",
            "verticalUncertainty": 30
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6865
          }
        ]
      }
    ]
  }
}
```



```
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131,  
    "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": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
    ]  
  }  
]
```



```
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
    ]
},
{
    "globalOperatingClass": 133,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        143
    ]
},
{
    "globalOperatingClass": 135,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
}
```



```
        },
        {
            "globalOperatingClass": 137,
            "channelCfi": [
                31,
                63
            ]
        }
    ],
    "minDesiredPower": -10
}
]
}
}

##### 2025-04-03T23:39:57Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [],
            "availableChannelInfo": [],
            "requestId": "2814606798",
            "availabilityExpireTime": "2025-04-04T23:39:57Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}

##### 2025-04-04T00:00:32Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "10.69.14.204",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1355",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "4050056535",
                "deviceDescriptor": {
                    "serialNumber": "3233846782",
                    "certificationId": [

```



```
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
        "id": "FCC_CERT_ID_AFC"
    }
]
},
"location": {
    "ellipse": {
        "center": {
            "longitude": -122.0105651,
            "latitude": 37.3757401
        },
        "majorAxis": 15,
        "minorAxis": 18,
        "orientation": 0
    },
    "elevation": {
        "height": 80,
        "heightType": "AMSL",
        "verticalUncertainty": 30
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6425
    },
    {
        "lowFrequency": 6525,
        "highFrequency": 6865
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131,
        "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179  
  ]  
},  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,
```



```
                23,
                39,
                55,
                71,
                87,
                135,
                151,
                167
            ]
        },
        {
            "globalOperatingClass": 134,
            "channelCfi": [
                15,
                47,
                79,
                143
            ]
        },
        {
            "globalOperatingClass": 135,
            "channelCfi": [
                7,
                23,
                39,
                55,
                71,
                87,
                135,
                151,
                167
            ]
        },
        {
            "globalOperatingClass": 137,
            "channelCfi": [
                31,
                63
            ]
        }
    ],
    "minDesiredPower": -10
}
]
}
}

##### 2025-04-04T00:00:32Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            }
        }
    ]
}
```



```
    },
    "availableFrequencyInfo": [
      {
        "frequencyRange": {
          "highFrequency": 6045,
          "lowFrequency": 6025
        },
        "maxPsd": 13.8
      },
      {
        "frequencyRange": {
          "highFrequency": 6065,
          "lowFrequency": 6045
        },
        "maxPsd": 16.3
      },
      {
        "frequencyRange": {
          "highFrequency": 6085,
          "lowFrequency": 6065
        },
        "maxPsd": 13.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6105,
          "lowFrequency": 6085
        },
        "maxPsd": 18.7
      },
      {
        "frequencyRange": {
          "highFrequency": 6205,
          "lowFrequency": 6185
        },
        "maxPsd": 16.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6225,
          "lowFrequency": 6205
        },
        "maxPsd": 18.6
      },
      {
        "frequencyRange": {
          "highFrequency": 6245,
          "lowFrequency": 6225
        },
        "maxPsd": 11.5
      },
      {
        "frequencyRange": {
          "highFrequency": 6265,
```



```
        "lowFrequency": 6245
      },
      "maxPsd": 11.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 19.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 18.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 12.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 20.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 12.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 9.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 15.5
    },
  },
  {
```

```
        "frequencyRange": {
          "highFrequency": 6425,
          "lowFrequency": 6405
        },
        "maxPsd": 19.7
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          17,
          21,
          25,
          29,
          49,
          53,
          57,
          61,
          65,
          69,
          73,
          77,
          81,
          85,
          89,
          93
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
          26.8,
          29.3,
          26.1,
          31.7,
          29.9,
          31.6,
          24.5,
          24.1,
          32.7,
          31.9,
          25.1,
          33.0,
          25.3,
          22.8,
          28.5,
          32.7
        ]
      },
      {
        "channelCfi": [
          19,
          27,
          51,
          59,
          67,
```



```

        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        29.8,
        29.1,
        32.9,
        27.1,
        34.9,
        28.1,
        25.8,
        31.5
    ]
},
{
    "channelCfi": [
        23,
        55,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        32.1,
        30.1,
        31.1,
        28.8
    ]
},
{
    "channelCfi": [
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        31.8
    ]
}
},
    "requestId": "4050056535",
    "availabilityExpireTime": "2025-04-05T00:00:32Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2025-04-04T00:01:34Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
    }
}
```



```
"Content-Type": "application/json",
"X-Forwarded-For": "10.69.14.204",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1355",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "4111884107",
      "deviceDescriptor": {
        "serialNumber": "3233846782",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "FCC_CERT_ID_AFC"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "longitude": -122.0105651,
        "latitude": 37.3757401
      },
      "majorAxis": 15,
      "minorAxis": 18,
      "orientation": 0
    },
    "elevation": {
      "height": 80,
      "heightType": "AMSL",
      "verticalUncertainty": 30
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,
```



```
            83,  
            91,  
            123,  
            131,  
            139,  
            147,  
            155,  
            163,  
            171,  
            179  
        ]  
    },  
    {  
        "globalOperatingClass": 133,  
        "channelCfi": [  
            7,  
            23,  
            39,  
            55,  
            71,  
            87,  
            135,  
            151,  
            167  
        ]  
    },  
    {  
        "globalOperatingClass": 134,  
        "channelCfi": [  
            15,  
            47,  
            79,  
            143  
        ]  
    },  
    {  
        "globalOperatingClass": 135,  
        "channelCfi": [  
            7,  
            23,  
            39,  
            55,  
            71,  
            87,  
            135,  
            151,  
            167  
        ]  
    },  
    {  
        "globalOperatingClass": 137,  
        "channelCfi": [  
            31,  
            63
```



```
    ]
  }
],
"minDesiredPower": -10
}
]
}
}

##### 2025-04-04T00:01:34Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 13.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 16.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 13.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 18.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
          },
          "maxPsd": 16.9
        }
      ]
    }
  ]
}
```



```
        "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
        },
        "maxPsd": 18.6
    },
    {
        "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
        },
        "maxPsd": 11.5
    },
    {
        "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
        },
        "maxPsd": 11.1
    },
    {
        "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
        },
        "maxPsd": 19.7
    },
    {
        "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
        },
        "maxPsd": 18.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6325,
            "lowFrequency": 6305
        },
        "maxPsd": 12.1
    },
    {
        "frequencyRange": {
            "highFrequency": 6345,
            "lowFrequency": 6325
        },
        "maxPsd": 20.0
    },
    {
        "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
        },
        "maxPsd": 12.3
    }
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 9.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 19.7
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        17,
        21,
        25,
        29,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        26.8,
        29.3,
        26.1,
        31.7,
        29.9,
        31.6,
        24.5,
        24.1,
        32.7,
```

```
        31.9,
        25.1,
        33.0,
        25.3,
        22.8,
        28.5,
        32.7
    ]
},
{
    "channelCfi": [
        19,
        27,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        29.8,
        29.1,
        32.9,
        27.1,
        34.9,
        28.1,
        25.8,
        31.5
    ]
},
{
    "channelCfi": [
        23,
        55,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        32.1,
        30.1,
        31.1,
        28.8
    ]
},
{
    "channelCfi": [
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        31.8
```



```
    }
  },
  "requestId": "4111884107",
  "availabilityExpireTime": "2025-04-05T00:01:34Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2025-04-04T00:07:31Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1354",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "174320689",
        "deviceDescriptor": {
          "serialNumber": "3233846782",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_AFC"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.0105651,
              "latitude": 37.3757401
            },
            "majorAxis": 15,
            "minorAxis": 18,
            "orientation": 0
          },
          "elevation": {
            "height": 80,
            "heightType": "AMSL",
            "verticalUncertainty": 30
          },
          "indoorDeployment": 1
        }
      }
    ]
  }
}
```



```
"inquiredFrequencyRange": [  
  {  
    "lowFrequency": 5945,  
    "highFrequency": 6425  
  },  
  {  
    "lowFrequency": 6525,  
    "highFrequency": 6865  
  }  
],  
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131,  
    "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": 132,
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ]
  },
  {
    "globalOperatingClass": 133,
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      135,
      151,
      167
    ]
  },
  {
    "globalOperatingClass": 134,
    "channelCfi": [
      15,
      47,
      79,
      143
    ]
  },
  {
    "globalOperatingClass": 135,
    "channelCfi": [
```



```

        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
},
{
    "globalOperatingClass": 137,
    "channelCfi": [
        31,
        63
    ]
}
],
"minDesiredPower": -10
}
]
}
}
}

##### 2025-04-04T00:07:31Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },
                    "maxPsd": 14.8
                },
                {
                    "frequencyRange": {
                        "highFrequency": 5985,
                        "lowFrequency": 5965
                    },
                    "maxPsd": 14.3
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6005,
                        "lowFrequency": 5985
                    },
                    "maxPsd": 16.0
                }
            ]
        }
    ]
}
```



```
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 14.6
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 8.9
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 15.5
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 19.9
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
```



```
    },
    "maxPsd": 11.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 12.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 17.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 9.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 15.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 10.9
  },
  {
    "frequencyRange": {
```



```
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 17.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 10.4
    }
  ],
  "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": [
        27.8,
        27.3,
        29.0,
        27.6,
        21.9,
        28.5,
        30.7,
        32.9,
        25.3,
        30.2,
        24.7,
        25.9,
        30.9,
        22.4,
        24.6,
```



```
                21.1,
                28.3,
                23.9,
                30.3,
                23.4
            ]
        },
        {
            "channelCfi": [
                3,
                11,
                35,
                43,
                131,
                139,
                147,
                155,
                163,
                171
            ],
            "globalOperatingClass": 132,
            "maxEirp": [
                30.3,
                30.6,
                24.9,
                33.7,
                28.3,
                27.7,
                25.4,
                24.1,
                26.9,
                26.4
            ]
        },
        {
            "channelCfi": [
                7,
                39,
                135,
                151,
                167
            ],
            "globalOperatingClass": 133,
            "maxEirp": [
                33.3,
                27.9,
                30.7,
                27.1,
                29.4
            ]
        },
        {
            "channelCfi": [
                143
```



```
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
      30.1
    ]
  }
],
"requestId": "174320689",
"availabilityExpireTime": "2025-04-05T00:07:31Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

**B.1.9. DUT Available Spectrum Inquiry Request-Response – 160MHz**

```
##### 2025-04-07T17:25:56Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1354",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "159435273",
        "deviceDescriptor": {
          "serialNumber": "3233846782",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_AFC"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.0105651,
              "latitude": 37.3757401
            },
            "majorAxis": 15,
            "minorAxis": 18,
            "orientation": 0
          },
          "elevation": {
            "height": 80,
            "heightType": "AMSL",
            "verticalUncertainty": 30
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6865
          }
        ]
      }
    ]
  }
}
```



```
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131,  
    "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": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
    ]  
  }  
]
```



```
35,
43,
51,
59,
67,
75,
83,
91,
123,
131,
139,
147,
155,
163,
171,
179
]
},
{
  "globalOperatingClass": 133,
  "channelCfi": [
    7,
    23,
    39,
    55,
    71,
    87,
    135,
    151,
    167
  ]
},
{
  "globalOperatingClass": 134,
  "channelCfi": [
    15,
    47,
    79,
    143
  ]
},
{
  "globalOperatingClass": 135,
  "channelCfi": [
    7,
    23,
    39,
    55,
    71,
    87,
    135,
    151,
    167
  ]
}
```



```
        },
        {
            "globalOperatingClass": 137,
            "channelCfi": [
                31,
                63
            ]
        }
    ],
    "minDesiredPower": -10
}
]
}
}

##### 2025-04-07T17:25:57Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [],
            "availableChannelInfo": [],
            "requestId": "159435273",
            "availabilityExpireTime": "2025-04-08T17:25:56Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}

##### 2025-04-07T17:26:48Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "10.69.14.204",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1354",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "210927152",
                "deviceDescriptor": {
                    "serialNumber": "3233846782",
                    "certificationId": [

```



```
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
        "id": "FCC_CERT_ID_AFC"
    }
]
},
"location": {
    "ellipse": {
        "center": {
            "longitude": -122.0105651,
            "latitude": 37.3757401
        },
        "majorAxis": 15,
        "minorAxis": 18,
        "orientation": 0
    },
    "elevation": {
        "height": 80,
        "heightType": "AMSL",
        "verticalUncertainty": 30
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6425
    },
    {
        "lowFrequency": 6525,
        "highFrequency": 6865
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131,
        "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179  
  ]  
},  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,
```



```
                23,
                39,
                55,
                71,
                87,
                135,
                151,
                167
            ]
        },
        {
            "globalOperatingClass": 134,
            "channelCfi": [
                15,
                47,
                79,
                143
            ]
        },
        {
            "globalOperatingClass": 135,
            "channelCfi": [
                7,
                23,
                39,
                55,
                71,
                87,
                135,
                151,
                167
            ]
        },
        {
            "globalOperatingClass": 137,
            "channelCfi": [
                31,
                63
            ]
        }
    ],
    "minDesiredPower": -10
}
]
}
}

##### 2025-04-07T17:26:48Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            }
        }
    ]
}
```



```
    },
    "availableFrequencyInfo": [
      {
        "frequencyRange": {
          "highFrequency": 6125,
          "lowFrequency": 6105
        },
        "maxPsd": 21.8
      },
      {
        "frequencyRange": {
          "highFrequency": 6145,
          "lowFrequency": 6125
        },
        "maxPsd": 10.0
      },
      {
        "frequencyRange": {
          "highFrequency": 6165,
          "lowFrequency": 6145
        },
        "maxPsd": 12.2
      },
      {
        "frequencyRange": {
          "highFrequency": 6185,
          "lowFrequency": 6165
        },
        "maxPsd": 10.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6205,
          "lowFrequency": 6185
        },
        "maxPsd": 16.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6225,
          "lowFrequency": 6205
        },
        "maxPsd": 18.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6245,
          "lowFrequency": 6225
        },
        "maxPsd": 19.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6265,
```



```
        "lowFrequency": 6245
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 12.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 11.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 21.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 11.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 9.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 13.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 9.5
    },
  },
  {
```

```
        "frequencyRange": {
          "highFrequency": 6745,
          "lowFrequency": 6725
        },
        "maxPsd": 11.9
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          33,
          37,
          41,
          45,
          49,
          53,
          57,
          61,
          129,
          133,
          137,
          141,
          145,
          149,
          153,
          157
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
          34.8,
          23.0,
          25.2,
          23.1,
          29.1,
          31.1,
          32.1,
          25.2,
          25.6,
          24.1,
          34.5,
          24.8,
          22.4,
          26.7,
          22.5,
          24.9
        ]
      },
      {
        "channelCfi": [
          35,
          43,
          51,
          59,
          131,
```



```
        139,
        147,
        155
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        26.0,
        26.1,
        32.1,
        28.2,
        27.1,
        27.8,
        25.4,
        25.5
      ]
    },
    {
      "channelCfi": [
        39,
        55,
        135,
        151
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        29.0,
        31.2,
        30.1,
        28.4
      ]
    },
    {
      "channelCfi": [
        47,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        32.0,
        31.4
      ]
    }
  ],
  "requestId": "210927152",
  "availabilityExpireTime": "2025-04-08T17:26:48Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2025-04-07T17:36:31Z #####
{
  "headers": {
```



```
"Host": "testserver.wfatestorg.org",
"Accept": "*/*",
"Content-Type": "application/json",
"X-Forwarded-For": "10.69.14.204",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1354",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "794350994",
      "deviceDescriptor": {
        "serialNumber": "3233846782",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "FCC_CERT_ID_AFC"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "longitude": -122.0105651,
        "latitude": 37.3757401
      },
      "majorAxis": 15,
      "minorAxis": 18,
      "orientation": 0
    },
    "elevation": {
      "height": 80,
      "heightType": "AMSL",
      "verticalUncertainty": 30
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,
```



```
        67,  
        75,  
        83,  
        91,  
        123,  
        131,  
        139,  
        147,  
        155,  
        163,  
        171,  
        179  
    ]  
},  
{  
    "globalOperatingClass": 133,  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        135,  
        151,  
        167  
    ]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        143  
    ]  
},  
{  
    "globalOperatingClass": 135,  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        135,  
        151,  
        167  
    ]  
},  
{  
    "globalOperatingClass": 137,  
    "channelCfi": [  

```



```
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}

##### 2025-04-07T17:36:31Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 19.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 17.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 12.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 13.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 11.9
        }
      ]
    }
  ]
}
```



```
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 19.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 17.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 18.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 16.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 19.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 20.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 18.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
```



```
    },
    "maxPsd": 8.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 20.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 8.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 19.0
  }
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      32.1,
      30.0,
      25.5,
      26.5,
      24.9,
      32.5,
      30.3,
```



```
        31.5,
        29.6,
        32.2,
        33.3,
        31.6,
        21.4,
        33.5,
        21.6,
        32.0
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        33.0,
        28.5,
        27.9,
        33.3,
        32.6,
        34.6,
        24.4,
        24.6
    ]
},
{
    "channelCfi": [
        7,
        23,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        31.5,
        30.9,
        35.6,
        27.4
    ]
},
{
    "channelCfi": [
        15,
        79
    ],
    ],
```



```
        "globalOperatingClass": 134,
        "maxEirp": [
            33.9,
            30.4
        ]
    },
    ],
    "requestId": "794350994",
    "availabilityExpireTime": "2025-04-08T17:36:31Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2025-04-07T17:37:41Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "10.69.14.204",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1354",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "863990236",
                "deviceDescriptor": {
                    "serialNumber": "3233846782",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "FCC_CERT_ID_AFC"
                        }
                    ]
                }
            }
        ],
        "location": {
            "ellipse": {
                "center": {
                    "longitude": -122.0105651,
                    "latitude": 37.3757401
                },
                "majorAxis": 15,
                "minorAxis": 18,
                "orientation": 0
            },
            "elevation": {
                "height": 80,
                "heightType": "AMSL",
            }
        }
    }
}
```

```
        "verticalUncertainty": 30
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131,
        "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": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,  
      35,  
      43,  
      51,  
      59,  
      67,  
      75,  
      83,  
      91,  
      123,  
      131,  
      139,  
      147,  
      155,  
      163,  
      171,  
      179  
    ]  
  },  
  {  
    "globalOperatingClass": 133,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 134,  
    "channelCfi": [  
      15,  
      47,  
      79,  
      143  
    ]  
  }  
]
```



```
    },
    {
      "globalOperatingClass": 135,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}

##### 2025-04-07T17:37:41Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 19.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 17.0
        },
        {
          "frequencyRange": {
```



```
        "highFrequency": 6005,  
        "lowFrequency": 5985  
    },  
    "maxPsd": 12.5  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6025,  
        "lowFrequency": 6005  
    },  
    "maxPsd": 13.5  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6045,  
        "lowFrequency": 6025  
    },  
    "maxPsd": 11.9  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6065,  
        "lowFrequency": 6045  
    },  
    "maxPsd": 19.5  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6085,  
        "lowFrequency": 6065  
    },  
    "maxPsd": 17.3  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6105,  
        "lowFrequency": 6085  
    },  
    "maxPsd": 18.5  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6285,  
        "lowFrequency": 6265  
    },  
    "maxPsd": 16.6  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6305,  
        "lowFrequency": 6285  
    },  
    "maxPsd": 19.2  
},  
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 20.3
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 18.6
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 8.4
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 20.5
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 8.6
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 19.0
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
```



```
        65,  
        69,  
        73,  
        77,  
        81,  
        85,  
        89,  
        93  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
        32.1,  
        30.0,  
        25.5,  
        26.5,  
        24.9,  
        32.5,  
        30.3,  
        31.5,  
        29.6,  
        32.2,  
        33.3,  
        31.6,  
        21.4,  
        33.5,  
        21.6,  
        32.0  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        67,  
        75,  
        83,  
        91  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        33.0,  
        28.5,  
        27.9,  
        33.3,  
        32.6,  
        34.6,  
        24.4,  
        24.6  
    ]  
},  
{  
    "channelCfi": [  

```



```
        7,  
        23,  
        71,  
        87  
    ],  
    "globalOperatingClass": 133,  
    "maxEirp": [  
        31.5,  
        30.9,  
        35.6,  
        27.4  
    ]  
},  
{  
    "channelCfi": [  
        15,  
        79  
    ],  
    "globalOperatingClass": 134,  
    "maxEirp": [  
        33.9,  
        30.4  
    ]  
}  
],  
"requestId": "863990236",  
"availabilityExpireTime": "2025-04-08T17:37:41Z",  
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

**B.1.10. DUT Available Spectrum Inquiry Request-Response – 320MHz**

```
##### 2025-04-07T18:20:08Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1355",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "3411828948",
        "deviceDescriptor": {
          "serialNumber": "3233846782",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_AFC"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.0105651,
              "latitude": 37.3757401
            },
            "majorAxis": 15,
            "minorAxis": 18,
            "orientation": 0
          },
          "elevation": {
            "height": 80,
            "heightType": "AMSL",
            "verticalUncertainty": 30
          },
          "indoorDeployment": 1
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6865
          }
        ]
      }
    ]
  }
}
```



```
"inquiredChannels": [  
  {  
    "globalOperatingClass": 131,  
    "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": 132,  
    "channelCfi": [  
      3,  
      11,  
      19,  
      27,
```



```
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
    ]
},
{
    "globalOperatingClass": 133,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        143
    ]
},
{
    "globalOperatingClass": 135,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
    ]
}
```



```
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}

##### 2025-04-07T18:20:09Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 21.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 12.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 15.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 19.6
        },
        {
          "frequencyRange": {
```



```
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 12.2
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 9.6
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 16.9
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 9.1
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 20.7
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 15.2
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 19.7
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 20.4
},
},
```

```
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 17.9
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 17.1
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 8.1
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      34.6,
      25.1,
      28.8,
```



```
        32.6,
        25.2,
        22.6,
        29.9,
        22.1,
        33.7,
        28.2,
        32.7,
        33.4,
        25.8,
        30.9,
        30.1,
        21.1
    ],
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        28.1,
        31.8,
        25.6,
        25.1,
        31.2,
        35.7,
        28.8,
        24.1
    ]
},
{
    "channelCfi": [
        39,
        55,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        31.1,
        28.1,
        34.2,
        27.1
    ]
},
{
```



```
        "channelCfi": [
            47,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            31.1,
            30.1
        ]
    },
    {
        "channelCfi": [
            63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            33.2
        ]
    }
],
"requestId": "3411828948",
"availabilityExpireTime": "2025-04-08T18:20:09Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2025-04-07T18:27:29Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "10.69.14.204",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1355",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "3852628174",
                "deviceDescriptor": {
                    "serialNumber": "3233846782",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "FCC_CERT_ID_AFC"
                        }
                    ]
                }
            }
        ]
    }
},
```



```
"location": {
  "ellipse": {
    "center": {
      "longitude": -122.0105651,
      "latitude": 37.3757401
    },
    "majorAxis": 15,
    "minorAxis": 18,
    "orientation": 0
  },
  "elevation": {
    "height": 80,
    "heightType": "AMSL",
    "verticalUncertainty": 30
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6425
  },
  {
    "lowFrequency": 6525,
    "highFrequency": 6865
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131,
    "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179  
  ]  
},  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,
```



```
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 134,
      "channelCfi": [
        15,
        47,
        79,
        143
      ]
    },
    {
      "globalOperatingClass": 135,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}

##### 2025-04-07T18:27:29Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
```



```
        "lowFrequency": 5945
      },
      "maxPsd": 3.8
    },
    {
      "frequencyRange": {
        "highFrequency": 5985,
        "lowFrequency": 5965
      },
      "maxPsd": 7.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
      },
      "maxPsd": 7.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 4.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 8.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 7.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 6.1
    },
  },
  {
```



```
        "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
        },
        "maxPsd": 11.4
    },
    {
        "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
        },
        "maxPsd": 1.0
    },
    {
        "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
        },
        "maxPsd": -1.2
    },
    {
        "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
        },
        "maxPsd": 2.7
    },
    {
        "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
        },
        "maxPsd": 2.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
        },
        "maxPsd": 0.4
    },
    {
        "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
        },
        "maxPsd": 2.0
    },
    {
        "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
        },
        "maxPsd": 6.1
    }
```



```
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        16.8,
        20.2,
        20.1,
        17.3,
        21.3,
        25.2,
        20.0,
        19.1,
        24.4,
        14.0,
        11.8,
        15.7,
        15.9,
        13.4,
        15.0,
        19.1
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59
      ],
      "globalOperatingClass": 132,
```



```
        "maxEirp": [
            19.8,
            20.3,
            24.3,
            22.1,
            17.0,
            14.8,
            16.4,
            18.0
        ],
    },
    {
        "channelCfi": [
            7,
            23,
            39,
            55
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            22.8,
            25.1,
            17.8,
            19.4
        ],
    },
    {
        "channelCfi": [
            15,
            47
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            25.8,
            20.8
        ],
    },
    {
        "channelCfi": [
            31
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            23.9
        ],
    }
},
"requestId": "3852628174",
"availabilityExpireTime": "2025-04-08T18:27:29Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
},
"version": "1.4"
}
```



**B.2. Unsuccessful registration and spectrum access request (USA)****B.2.1. AFC DUT Compliance Test Report**
AFC DUT Compliance Test Report**DUT Information**

AFC DUT System	Standard Power AP
DUT Vendor Name	Fortinet
DUT Product Model	FortiAP 441K

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT AFC SP AP AFCDUSA32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDUSA32_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

B.2.2. DUT Available Spectrum Inquiry Request-Response

```
##### 2025-04-07T18:55:58Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1355",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1266199948",
        "deviceDescriptor": {
          "serialNumber": "3233846782",
          "certificationId": [

```



```
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
        "id": "FCC_CERT_ID_AFC"
    }
]
},
"location": {
    "ellipse": {
        "center": {
            "longitude": -122.0105651,
            "latitude": 37.3757401
        },
        "majorAxis": 15,
        "minorAxis": 18,
        "orientation": 0
    },
    "elevation": {
        "height": 80,
        "heightType": "AMSL",
        "verticalUncertainty": 30
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6425
    },
    {
        "lowFrequency": 6525,
        "highFrequency": 6865
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131,
        "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179  
  ]  
},  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,
```



```
                23,
                39,
                55,
                71,
                87,
                135,
                151,
                167
            ]
        },
        {
            "globalOperatingClass": 134,
            "channelCfi": [
                15,
                47,
                79,
                143
            ]
        },
        {
            "globalOperatingClass": 135,
            "channelCfi": [
                7,
                23,
                39,
                55,
                71,
                87,
                135,
                151,
                167
            ]
        },
        {
            "globalOperatingClass": 137,
            "channelCfi": [
                31,
                63
            ]
        }
    ],
    "minDesiredPower": -10
}
]
}
}

##### 2025-04-07T18:55:58Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            }
        }
    ]
}
```



```
    },
    "availableFrequencyInfo": [],
    "availableChannelInfo": [],
    "requestId": "1266199948",
    "availabilityExpireTime": "2025-04-08T18:55:58Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
},
"version": "1.4"
}
```

**B.3. Successful spectrum access update (SAU)****B.3.1. AFC DUT Compliance Test Report****AFC DUT Compliance Test Report****DUT Information**

AFC DUT System	Standard Power AP
DUT Vendor Name	Fortinet
DUT Product Model	FortiAP 441K

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_AFCDSAU33_FrequencyChannel_10630_1(Successful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_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 transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (21.2 dBm/MHz PSD, 34.2 dBm EIRP) in Spectrum Reponse] on channel 9 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_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_SP_OPERATION_2	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (21.2 dBm/MHz PSD, 34.2 dBm EIRP) in Spectrum Reponse] on channel 137 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

B.3.2. DUT Available Spectrum Inquiry Request-Response

2025-04-07T20:10:00Z
{
"headers": {
"Host": "testserver.wfatestorg.org",
"Accept": "*//*",
"Content-Type": "application/json",
"X-Forwarded-For": "10.69.14.204",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1355",



```
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1412794158",
      "deviceDescriptor": {
        "serialNumber": "3233846782",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "FCC_CERT_ID_AFC"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "longitude": -122.0105651,
        "latitude": 37.3757401
      },
      "majorAxis": 15,
      "minorAxis": 18,
      "orientation": 0
    },
    "elevation": {
      "height": 80,
      "heightType": "AMSL",
      "verticalUncertainty": 30
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,
```

```
        147,  
        155,  
        163,  
        171,  
        179  
    ]  
  },  
  {  
    "globalOperatingClass": 133,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 134,  
    "channelCfi": [  
      15,  
      47,  
      79,  
      143  
    ]  
  },  
  {  
    "globalOperatingClass": 135,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 137,  
    "channelCfi": [  
      31,  
      63  
    ]  
  }  
],  
"minDesiredPower": -10  
}
```



```
]
}
}

##### 2025-04-07T20:10:01Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "1412794158",
      "availabilityExpireTime": "2025-04-08T20:10:00Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

##### 2025-04-07T20:14:35Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1355",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1687720074",
        "deviceDescriptor": {
          "serialNumber": "3233846782",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_AFC"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -122.0105651,
              "latitude": 37.3757401
            }
          }
        }
      }
    ]
  }
}
```



```
        "majorAxis": 15,
        "minorAxis": 18,
        "orientation": 0
    },
    "elevation": {
        "height": 80,
        "heightType": "AMSL",
        "verticalUncertainty": 30
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6425
    },
    {
        "lowFrequency": 6525,
        "highFrequency": 6865
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131,
        "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179  
  ]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    135,  
    151,  
    167  
  ]  
,  
{
```



```
        "globalOperatingClass": 134,
        "channelCfi": [
            15,
            47,
            79,
            143
        ]
    },
    {
        "globalOperatingClass": 135,
        "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
        ]
    },
    {
        "globalOperatingClass": 137,
        "channelCfi": [
            31,
            63
        ]
    }
],
"minDesiredPower": -10
}
]
}
}

##### 2025-04-07T20:14:35Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },
                    "maxPsd": 19.4
                },
                {
                    "frequencyRange": {
```



```
        "highFrequency": 5985,
        "lowFrequency": 5965
    },
    "maxPsd": 17.8
},
{
    "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
    },
    "maxPsd": 21.2
},
{
    "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
    },
    "maxPsd": 20.3
},
{
    "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 17.3
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 12.3
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 18.1
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 13.3
},
{
    "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
    },
    "maxPsd": 9.9
},
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 16.3
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 18.5
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 10.4
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 8.9
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 13.8
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
```



```
5,
9,
13,
17,
21,
25,
29,
33,
37,
41,
45,
49,
53,
57,
61
],
"globalOperatingClass": 131,
"maxEirp": [
32.4,
30.8,
34.2,
33.3,
30.3,
25.3,
31.1,
26.3,
22.9,
29.3,
31.5,
31.0,
23.4,
21.9,
24.7,
26.8
]
},
{
"channelCfi": [
3,
11,
19,
27,
35,
43,
51,
59
],
"globalOperatingClass": 132,
"maxEirp": [
33.8,
36.0,
28.3,
29.3,
25.9,
```



```
        34.0,
        24.9,
        27.7
    ],
    },
    {
        "channelCfi": [
            7,
            23,
            39,
            55
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            36.0,
            31.3,
            28.9,
            27.9
        ]
    },
    {
        "channelCfi": [
            15,
            47
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            34.3,
            30.9
        ]
    },
    {
        "channelCfi": [
            31
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            34.0
        ]
    }
    },
    "requestId": "1687720074",
    "availabilityExpireTime": "2025-04-08T20:14:35Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2025-04-07T20:30:59Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
```



```
"Content-Type": "application/json",
"X-Forwarded-For": "10.69.14.204",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1355",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "2671271189",
      "deviceDescriptor": {
        "serialNumber": "3233846782",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "FCC_CERT_ID_AFC"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "longitude": -122.0105651,
        "latitude": 37.3757401
      },
      "majorAxis": 15,
      "minorAxis": 18,
      "orientation": 0
    },
    "elevation": {
      "height": 80,
      "heightType": "AMSL",
      "verticalUncertainty": 30
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,
```



```
83,  
91,  
123,  
131,  
139,  
147,  
155,  
163,  
171,  
179  
]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    135,  
    151,  
    167  
  ]  
,  
{  
  "globalOperatingClass": 134,  
  "channelCfi": [  
    15,  
    47,  
    79,  
    143  
  ]  
,  
{  
  "globalOperatingClass": 135,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    135,  
    151,  
    167  
  ]  
,  
{  
  "globalOperatingClass": 137,  
  "channelCfi": [  
    31,  
    63
```



```
    ]
  }
],
  "minDesiredPower": -10
}
]
}
}

##### 2025-04-07T20:31:44Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1355",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "2671271189",
        "deviceDescriptor": {
          "serialNumber": "3233846782",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_AFC"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": -122.0105651,
          "latitude": 37.3757401
        },
        "majorAxis": 15,
        "minorAxis": 18,
        "orientation": 0
      },
      "elevation": {
        "height": 80,
        "heightType": "AMSL",
        "verticalUncertainty": 30
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
```



```
        "lowFrequency": 5945,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131,
        "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": 132,  
      "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91,  
        123,  
        131,  
        139,  
        147,  
        155,  
        163,  
        171,  
        179  
      ]  
    },  
    {  
      "globalOperatingClass": 133,  
      "channelCfi": [  
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        135,  
        151,  
        167  
      ]  
    },  
    {  
      "globalOperatingClass": 134,  
      "channelCfi": [  
        15,  
        47,  
        79,  
        143  
      ]  
    },  
    {  
      "globalOperatingClass": 135,  
      "channelCfi": [  
        7,  
        23,
```



```
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    },
    ],
    "minDesiredPower": -10
  }
]
}
}
}

##### 2025-04-07T20:31:56Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
          },
          "maxPsd": 9.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
          },
          "maxPsd": 10.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6325,
            "lowFrequency": 6305
          },
          "maxPsd": 9.6
        }
      ]
    }
  ]
}
```



```
        "frequencyRange": {
            "highFrequency": 6345,
            "lowFrequency": 6325
        },
        "maxPsd": 20.7
    },
    {
        "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
        },
        "maxPsd": 20.7
    },
    {
        "frequencyRange": {
            "highFrequency": 6385,
            "lowFrequency": 6365
        },
        "maxPsd": 17.8
    },
    {
        "frequencyRange": {
            "highFrequency": 6405,
            "lowFrequency": 6385
        },
        "maxPsd": 19.4
    },
    {
        "frequencyRange": {
            "highFrequency": 6425,
            "lowFrequency": 6405
        },
        "maxPsd": 14.1
    },
    {
        "frequencyRange": {
            "highFrequency": 6605,
            "lowFrequency": 6585
        },
        "maxPsd": 15.4
    },
    {
        "frequencyRange": {
            "highFrequency": 6625,
            "lowFrequency": 6605
        },
        "maxPsd": 16.2
    },
    {
        "frequencyRange": {
            "highFrequency": 6645,
            "lowFrequency": 6625
        },
        "maxPsd": 21.2
    }
```



```
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 8.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 8.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 21.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 18.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 8.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 14.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 15.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },

```



```
    },
    "maxPsd": 12.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 10.3
  }
],
"availableChannelInfo": [
  {
    "channelCfi": [
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      22.1,
      23.7,
      22.6,
      33.7,
      33.7,
      30.8,
      32.4,
      27.1,
      28.4,
      29.2,
      34.2,
      21.8,
      21.7,
      34.3,
      31.4,
      21.4,
      27.4,
```



```
                28.2,  
                25.7,  
                23.3  
            ]  
        },  
        {  
            "channelCfi": [  
                67,  
                75,  
                83,  
                91,  
                131,  
                139,  
                147,  
                155,  
                163,  
                171  
            ],  
            "globalOperatingClass": 132,  
            "maxEirp": [  
                25.1,  
                25.6,  
                33.8,  
                30.1,  
                31.4,  
                24.8,  
                24.7,  
                24.4,  
                30.4,  
                26.3  
            ]  
        },  
        {  
            "channelCfi": [  
                71,  
                87,  
                135,  
                151,  
                167  
            ],  
            "globalOperatingClass": 133,  
            "maxEirp": [  
                28.1,  
                33.1,  
                27.8,  
                27.4,  
                29.3  
            ]  
        },  
        {  
            "channelCfi": [  
                79,  
                143  
            ],  
        },  
    ],  
}
```



```
        "globalOperatingClass": 134,
        "maxEirp": [
            31.1,
            30.4
        ]
    },
    ],
    "requestId": "2671271189",
    "availabilityExpireTime": "2025-04-08T20:31:56Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

##### 2025-04-07T20:31:56Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 6285,
                        "lowFrequency": 6265
                    },
                    "maxPsd": 9.1
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6305,
                        "lowFrequency": 6285
                    },
                    "maxPsd": 10.7
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6325,
                        "lowFrequency": 6305
                    },
                    "maxPsd": 9.6
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6345,
                        "lowFrequency": 6325
                    },
                    "maxPsd": 20.7
                },
                {
                    "frequencyRange": {
```



```
        "highFrequency": 6365,  
        "lowFrequency": 6345  
    },  
    "maxPsd": 20.7  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6385,  
        "lowFrequency": 6365  
    },  
    "maxPsd": 17.8  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6405,  
        "lowFrequency": 6385  
    },  
    "maxPsd": 19.4  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6425,  
        "lowFrequency": 6405  
    },  
    "maxPsd": 14.1  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6605,  
        "lowFrequency": 6585  
    },  
    "maxPsd": 15.4  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6625,  
        "lowFrequency": 6605  
    },  
    "maxPsd": 16.2  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6645,  
        "lowFrequency": 6625  
    },  
    "maxPsd": 21.2  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6665,  
        "lowFrequency": 6645  
    },  
    "maxPsd": 8.8  
},
```



```
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 21.3
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 18.4
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 8.4
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 14.4
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 12.7
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 12.7
}
```



```
        "maxPsd": 10.3
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          65,
          69,
          73,
          77,
          81,
          85,
          89,
          93,
          129,
          133,
          137,
          141,
          145,
          149,
          153,
          157,
          161,
          165,
          169,
          173
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
          22.1,
          23.7,
          22.6,
          33.7,
          33.7,
          30.8,
          32.4,
          27.1,
          28.4,
          29.2,
          34.2,
          21.8,
          21.7,
          34.3,
          31.4,
          21.4,
          27.4,
          28.2,
          25.7,
          23.3
        ]
      }
    ],
    {
      "channelCfi": [
        67,
```



```
75,
83,
91,
131,
139,
147,
155,
163,
171
],
"globalOperatingClass": 132,
"maxEirp": [
25.1,
25.6,
33.8,
30.1,
31.4,
24.8,
24.7,
24.4,
30.4,
26.3
]
},
{
"channelCfi": [
71,
87,
135,
151,
167
],
"globalOperatingClass": 133,
"maxEirp": [
28.1,
33.1,
27.8,
27.4,
29.3
]
},
{
"channelCfi": [
79,
143
],
"globalOperatingClass": 134,
"maxEirp": [
31.1,
30.4
]
}
],
"requestId": "2671271189",
```



```
        "availabilityExpireTime": "2025-04-08T20:31:56Z",  
        "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
    },  
    ],  
    "version": "1.4"  
}
```

**B.4. Unsuccessful spectrum access update (UAU)****B.4.1. AFC DUT Compliance Test Report****AFC DUT Compliance Test Report****DUT Information**

AFC DUT System	Standard Power AP
DUT Vendor Name	Fortinet
DUT Product Model	FortiAP 441K

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 transmit power in the band is less than CEILING(LPI limits (5 dBm/MHz PSD), SP limits (23 dBm/MHz PSD, 36.0 dBm EIRP) in Spectrum Response] on channel 1 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_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in the Spectrum Inquiry Response	true	PASS

B.4.2. DUT Available Spectrum Inquiry Request-Response

2025-04-07T20:59:11Z
{ "headers": { "Host": "testserver.wfatestorg.org", "Accept": "*/*", "Content-Type": "application/json", "X-Forwarded-For": "10.69.14.204", "X-Forwarded-Host": "testserver.wfatestorg.org", "X-Forwarded-Server": "testserver.wfatestorg.org", "Content-Length": "1353", "Connection": "Keep-Alive" }, "body": { "version": "1.4", "availableSpectrumInquiryRequests": [{ "frequency": "5.460", "bandwidth": "20", "power": "23", "psd": "5", "eirp": "36", "channel": "1", "status": "available", "response": "available" }] } }



```
"requestId": "69301610",
"deviceDescriptor": {
  "serialNumber": "3233846782",
  "certificationId": [
    {
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
      "id": "FCC_CERT_ID_AFC"
    }
  ]
},
"location": {
  "ellipse": {
    "center": {
      "longitude": -122.0105651,
      "latitude": 37.3757401
    },
    "majorAxis": 15,
    "minorAxis": 18,
    "orientation": 0
  },
  "elevation": {
    "height": 80,
    "heightType": "AMSL",
    "verticalUncertainty": 30
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6425
  },
  {
    "lowFrequency": 6525,
    "highFrequency": 6865
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131,
    "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,  
    163,  
    171,  
    179  
  ]  
}
```



```
    },
    {
      "globalOperatingClass": 133,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 134,
      "channelCfi": [
        15,
        47,
        79,
        143
      ]
    },
    {
      "globalOperatingClass": 135,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}
{
  ##### 2025-04-07T20:59:11Z #####
  {
```



```
"availableSpectrumInquiryResponses": [  
  {  
    "response": {  
      "responseCode": 0,  
      "shortDescription": "SUCCESS"  
    },  
    "availableFrequencyInfo": [  
      {  
        "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  
      }  
    ]  
  }  
]
```



```
        "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
    },
    {
        "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
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "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
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6665,
            "lowFrequency": 6645
        },
        "maxPsd": 23
    }
```



```
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "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
}
```



```
    },
    "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,
```



```

    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
    ]
}

```



```
{
  "channelCfi": [
    3,
    11,
    19,
    27,
    35,
    43,
    51,
    59,
    67,
    75,
    83,
    91,
    123,
    131,
    139,
    147,
    155,
    163,
    171,
    179
  ],
  "globalOperatingClass": 132,
  "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
  ]
},
{
  "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,
        36.0
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0
      ]
    }
  ],
  "requestId": "69301610",
  "availabilityExpireTime": "2025-04-08T20:59:11Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2025-04-07T21:01:38Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "10.69.14.204",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1354",
    "Connection": "Keep-Alive"
  },

```



```
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "216579678",
      "deviceDescriptor": {
        "serialNumber": "3233846782",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "FCC_CERT_ID_AFC"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "longitude": -122.0105651,
            "latitude": 37.3757401
          },
          "majorAxis": 15,
          "minorAxis": 18,
          "orientation": 0
        },
        "elevation": {
          "height": 80,
          "heightType": "AMSL",
          "verticalUncertainty": 30
        },
        "indoorDeployment": 1
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6425
        },
        {
          "lowFrequency": 6525,
          "highFrequency": 6865
        }
      ],
      "inquiredChannels": [
        {
          "globalOperatingClass": 131,
          "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,  
    131,  
    139,  
    147,  
    155,
```

```
        163,  
        171,  
        179  
    ]  
},  
{  
    "globalOperatingClass": 133,  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        135,  
        151,  
        167  
    ]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        143  
    ]  
},  
{  
    "globalOperatingClass": 135,  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        135,  
        151,  
        167  
    ]  
},  
{  
    "globalOperatingClass": 137,  
    "channelCfi": [  
        31,  
        63  
    ]  
}  
],  
"minDesiredPower": -10  
}  
]
```



```
}
##### 2025-04-07T21:01:39Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "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
    },
    {
        "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
    },
    {
        "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
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "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
}

```



```
    },
    "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  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6685,  
        "lowFrequency": 6665  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6705,  
        "lowFrequency": 6685  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6725,  
        "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,
```

[illegible]

[illegible]



```
                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,
                36.0
            ]
        },
        {
            "channelCfi": [
                15,
                47,
                79,
                143
            ],
            "globalOperatingClass": 134,
            "maxEirp": [
                36.0,
                36.0,
                36.0,
                36.0
            ]
        }
    ],
    "requestId": "216579678",
    "availabilityExpireTime": "2025-04-08T21:01:39Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
},
"version": "1.4"
}

##### 2025-04-07T21:02:16Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "10.69.14.204",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
```



```
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1354",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "254450851",
      "deviceDescriptor": {
        "serialNumber": "3233846782",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "FCC_CERT_ID_AFC"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "longitude": -122.0105651,
        "latitude": 37.3757401
      },
      "majorAxis": 15,
      "minorAxis": 18,
      "orientation": 0
    },
    "elevation": {
      "height": 80,
      "heightType": "AMSL",
      "verticalUncertainty": 30
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "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": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    123,
```



```
        131,  
        139,  
        147,  
        155,  
        163,  
        171,  
        179  
    ]  
  },  
  {  
    "globalOperatingClass": 133,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 134,  
    "channelCfi": [  
      15,  
      47,  
      79,  
      143  
    ]  
  },  
  {  
    "globalOperatingClass": 135,  
    "channelCfi": [  
      7,  
      23,  
      39,  
      55,  
      71,  
      87,  
      135,  
      151,  
      167  
    ]  
  },  
  {  
    "globalOperatingClass": 137,  
    "channelCfi": [  
      31,  
      63  
    ]  
  }  
],
```



```
        "minDesiredPower": -10
      }
    ]
  }
}

##### 2025-04-07T21:02:16Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "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
  },
  {
    "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
  },
  {
    "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
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "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
  },
  "maxPsd": 23
}
```



```
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "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,
```

[illegible]



```
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0,  
        36.0  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91,  
        123,  
        131,  
        139,  
        147,  
        155,  
        163,  
        171,  
        179  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        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,  
        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  
    ]  
}
```



```
    },
    {
      "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": "254450851",
  "availabilityExpireTime": "2025-04-08T21:02:16Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
},
"version": "1.4"
}

##### 2025-04-07T21:18:43Z #####
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
```



```
"Accept": "*/*",
"Content-Type": "application/json",
"X-Forwarded-For": "10.69.14.204",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1355",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1241287332",
      "deviceDescriptor": {
        "serialNumber": "3233846782",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "FCC_CERT_ID_AFC"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "longitude": -122.0105651,
        "latitude": 37.3757401
      },
      "majorAxis": 15,
      "minorAxis": 18,
      "orientation": 0
    },
    "elevation": {
      "height": 80,
      "heightType": "AMSL",
      "verticalUncertainty": 30
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "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": 132,
  "channelCfi": [
    3,
    11,
    19,
    27,
    35,
    43,
    51,
    59,
    67,
```



```
75,  
83,  
91,  
123,  
131,  
139,  
147,  
155,  
163,  
171,  
179  
]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    135,  
    151,  
    167  
  ]  
,  
{  
  "globalOperatingClass": 134,  
  "channelCfi": [  
    15,  
    47,  
    79,  
    143  
  ]  
,  
{  
  "globalOperatingClass": 135,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    135,  
    151,  
    167  
  ]  
,  
{  
  "globalOperatingClass": 137,  
  "channelCfi": [  
    31,
```



```

        63
      ]
    }
  ],
  "minDesiredPower": -10
}
]
}
}

##### 2025-04-07T21:18:43Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "1241287332",
      "availabilityExpireTime": "2025-04-08T21:18:43Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

```

**B.5. Unsuccessful server validation (USV)****B.5.1. AFC DUT Compliance Test Report****AFC DUT Compliance Test Report****DUT Information**

AFC DUT System	Standard Power AP
DUT Vendor Name	Fortinet
DUT Product Model	FortiAP 441K

Test Result

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

Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)
TestResult: NOT_TESTED

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

**AFC DUT Compliance Test Report****DUT Information**

AFC DUT System	Standard Power AP
DUT Vendor Name	Fortinet
DUT Product Model	FortiAP 441K

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

————THE END————