427 West 12800 South
Draper, UT 84020

Test Report Attachment

FCC ID	SWX-WAVEML6
ISED ID	6545A-WAVEML6
Equipment Under Test	Wave-MLO6
Test Report Serial Number	TR10548_01
Date of Tests	13-19 November 2025
Report Issue Date	21 November 2025

Test Personnel

Testing performed by	Evan Hartzell

Test Location

Testing was performed at the Unified Compliance Laboratory located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2026. This site has also been registered with Innovations, Science and Economic Development (ISED) department as was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2026. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED and MRA US5037.

NVLAP LAB CODE 600241-0

1 AFC DUT Compliance Test Data

1.1 Tool Reports

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

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_FC_STA_AFCDRSA31_FrequencyChannel_20MHz_10654_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_20MHz_10654_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
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 conforms to the conditions in Spectrum Response (17.7 dBm/MHz PSD, 30.7 dBm EIRP) on channel 1 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_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 conforms to the conditions in Spectrum Response (8.8 dBm/MHz PSD, 21.8 dBm EIRP) on channel 129 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

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

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_FC_STA_AFCDRSA31_FrequencyChannel_40MHz_10655_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_40MHz_10655_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
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 conforms to the conditions in Spectrum Response (10.8 dBm/MHz PSD, 26.8 dBm EIRP) on channel center frequency index 11 bandwidth 40.	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 conforms to the conditions in Spectrum Response (17.8 dBm/MHz PSD, 33.8 dBm EIRP) on channel center frequency index 131 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

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_FC_STA_AFCDRSA31_FrequencyChannel_80MHz_10656_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_80MHz_10656_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
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 conforms to the conditions in Spectrum Response (12.6 dBm/MHz PSD, 31.6 dBm EIRP) on channel center frequency index 7 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 conforms to the conditions in Spectrum Response (10.3 dBm/MHz PSD, 29.3 dBm EIRP) on channel center frequency index 151 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

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

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_FC_STA_AFCDRSA31_FrequencyChannel_160MHz_10657_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_160MHz_10657_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
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 conforms to the conditions in Spectrum Response (9.2 dBm/MHz PSD, 31.2 dBm EIRP) 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 conforms to the conditions in Spectrum Response (8.7 dBm/MHz PSD, 30.7 dBm EIRP) on channel center frequency index 143 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

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

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_FC_STA_AFCDRSA31_FrequencyChannel_320MHz_10718_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDRSA31_FrequencyChannel_320MHz_10718_1 (Successful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
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 conforms to the conditions in Spectrum Response (9.2 dBm/MHz PSD, 34.3 dBm EIRP) on channel center frequency index 31 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 conforms to the conditions in Spectrum Response (8.8 dBm/MHz PSD, 33.9 dBm EIRP) on channel center frequency index 63 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

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

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_FC_STA_AFCDUSA32_FrequencyChannel_10658_1 (Unsuccessful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDUSA32_FrequencyChannel_10658_1 (Unsuccessful registration and spectrum access request)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
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 conditons in the Spectrum Inquiry Response	true	PASS

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_FC_STA_AFCDSAU33_FrequencyChannel_10659_1 (Successful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDSAU33_FrequencyChannel_10659_1 (Successful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (20.5 dBm/MHz PSD, 33.5 dBm EIRP) on channel 45 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 conforms to the conditions in Spectrum Response (19.4 dBm/MHz PSD, 32.4 dBm EIRP) on channel 177 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

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_FC_STA_AFCDUAU34_FrequencyChannel_10660_1 (Unsuccessful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_FC_STA_AFCDUAU34_FrequencyChannel_10660_1 (Unsuccessful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (23 dBm/MHz PSD, 36.0 dBm EIRP) on channel 33 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 conditons in the Spectrum Inquiry Response	true	PASS

1.2 Server Validation

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_DifferentRootCA_10662_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_DifferentRootCA_10662_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	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_MatchSuffixSAN_10663_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_MatchSuffixSAN_10663_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	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_NonMatchSAN_10661_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_NonMatchSAN_10661_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	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_NoRootCA_10668_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_NoRootCA_10668_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	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_OCSPStaplingDisabled_10665_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_OCSPStaplingDisabled_10665_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	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_ServerCertRevoked_10664_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_ServerCertRevoked_10664_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	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_StapledOCSPRespExpired_10666_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_StapledOCSPRespExpired_10666_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	Fixed Client
DUT Vendor Name	Ubiquiti
DUT Product Model	Wave-MLO6

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_STA_AFCDUSV35_TLSCipherSuiteENULL_10667_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_STA_AFCDUSV35_TLSCipherSuiteENULL_10667_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

1.3 DUT Spectrum Inquiry Request/Response Logs

1.3.1 CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_20MHz_10625_1

########## 2025-11-17T20:27:29Z ##########

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1261",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "2073130088",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
```

```
        ],
        "minDesiredPower": 20
      }
    ]
  }
}

############################  2025-11-17T20:27:29Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 17.7
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 17.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 8.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 20.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 21.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 10.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 18.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
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          "maxPsd": 8.8
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 11.6
},
{
  "frequencyRange": {
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    "lowFrequency": 6165
  },
  "maxPsd": 20.8
},
{
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    "lowFrequency": 6185
  },
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},
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    "lowFrequency": 6225
  },
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},
{
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    "lowFrequency": 6245
  },
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},
{
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    "lowFrequency": 6265
  },
  "maxPsd": 19.4
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    "lowFrequency": 6285
  },
  "maxPsd": 9.2
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    "lowFrequency": 6305
  },
  "maxPsd": 18.0
},
{
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    "lowFrequency": 6325
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
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      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 11.8
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6365
    },
    "maxPsd": 9.0
  },
  {
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      "lowFrequency": 6385
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      "lowFrequency": 6405
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    "maxPsd": 19.7
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      "lowFrequency": 6545
    },
    "maxPsd": 9.4
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  {
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      "lowFrequency": 6565
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 9.6
  },
  {
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      "lowFrequency": 6605
    },
    "maxPsd": 13.4
  },
  {
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      "lowFrequency": 6625
    },
    "maxPsd": 14.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
```

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      "maxPsd": 16.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 14.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 21.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 12.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 13.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 14.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 17.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 21.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 11.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 10.1
    }
  ],
  "availableChannelInfo": [
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      "channelCfi": [
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
```

```
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
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      23.3,
      33.4,
      34.2,
      23.9,
      31.5,
      21.8,
      25.3,
      24.6,
      33.8,
      33.9,
      29.4,
      26.6,
      24.7,
      32.4,
      22.2,
      31.0,
      32.5,
      24.8,
      22.0,
      25.9,
      28.5,
      32.7,
      22.4,
      34.8,
      22.6,
      26.4,
      27.1,
      29.8,
      29.7,
      27.5,
      34.1,
      25.0,
      26.9,
      27.6,
      30.6,
      34.8,
      24.9,
      23.1
    ]
  },
  {
    "channelCfi": [
      3,
      11,
```

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      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
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      24.1,
      36.0,
      26.9,
      24.8,
      27.6,
      32.4,
      27.7,
      25.2,
      34.0,
      25.0,
      28.9,
      25.4,
      25.6,
      30.1,
      30.5,
      28.0,
      29.9,
      33.6,
      26.1
    ]
  },
  {
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      135,
      151,
      167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      27.1,
      29.9,
      27.8,
      30.7,
      28.2,
      28.0,
      28.6,
      31.0,
      32.9
    ]
  },
  {
    "channelCfi": [
      15,
      47,
      79,
      143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
      30.1,
      30.8,
      31.0,
```

```
            31.6
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            33.2,
            33.9
          ]
        }
      ],
      "requestId": "2073130088",
      "availabilityExpireTime": "2025-11-
18T20:27:29Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
17T20:27:34Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1260",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "2073205999",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
```

```
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
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        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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-17T20:27:34Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 17.7
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 17.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 8.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 20.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
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      "lowFrequency": 6045
    },
    "maxPsd": 21.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 10.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 8.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 12.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 20.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 20.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 16.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 13.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 11.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 19.4
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 9.2
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 18.0
},
{
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    "lowFrequency": 6325
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 11.8
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 9.0
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 15.5
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 19.7
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 9.6
},
{
  "frequencyRange": {
```

```
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 13.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 14.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 16.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 14.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 21.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 12.0
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6745
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 14.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6845,
      "lowFrequency": 6825
    },
```

```
      "maxPsd": 11.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 10.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        30.7,
        30.8,
        21.1,
        23.3,
        33.4,
        34.2,
        23.9,
        31.5,
        21.8,
        25.3,
        24.6,
        33.8,
        33.9,
        29.4,
        26.6,
        24.7,
        32.4,
        22.2,
        31.0,
        32.5,
        24.8,
        22.0,
        25.9,
```

```
        28.5,
        32.7,
        22.4,
        34.8,
        22.6,
        26.4,
        27.1,
        29.8,
        29.7,
        27.5,
        34.1,
        25.0,
        26.9,
        27.6,
        30.6,
        34.8,
        24.9,
        23.1
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        33.7,
        24.1,
        36.0,
        26.9,
        24.8,
        27.6,
        32.4,
        27.7,
        25.2,
        34.0,
        25.0,
        28.9,
        25.4,
        25.6,
        30.1,
        30.5,
        28.0,
        29.9,
        33.6,
        26.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
```

```
        "maxEirp": [
          27.1,
          29.9,
          27.8,
          30.7,
          28.2,
          28.0,
          28.6,
          31.0,
          32.9
        ]
      },
      {
        "channelCfi": [
          15,
          47,
          79,
          143
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
          30.1,
          30.8,
          31.0,
          31.6
        ]
      },
      {
        "channelCfi": [
          31,
          63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
          33.2,
          33.9
        ]
      }
    ],
    "requestId": "2073205999",
    "availabilityExpireTime": "2025-11-
18T20:27:34Z",
    "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
  }
 ],
 "version": "1.4"
}

############################  2025-11-
17T20:43:07Z
############################
{
 "headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.5.40",
  "X-Forwarded-Host":
"testserver.wfatestorg.org",
  "X-Forwarded-Server":
"testserver.wfatestorg.org",
  "Content-Length": "1261",
  "Connection": "Keep-Alive"
 },
 "body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
   {
    "requestId": "3010553640",
    "deviceDescriptor": {
     "serialNumber": "2340140652",
     "certificationId": [
      {
       "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
       "id": "FCC_CERT_ID_1"
      }
     ]
    },
    "location": {
```

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    "ellipse": {
      "center": {
        "longitude": -90.050655,
        "latitude": 35.138359
      },
      "majorAxis": 1,
      "minorAxis": 1,
      "orientation": 0
    },
    "elevation": {
      "height": 8.0,
      "heightType": "AMSL",
      "verticalUncertainty": 8
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
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        21,
        25,
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        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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-17T20:43:07Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.7
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 16.7
        },
```

```
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 13.2
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 17.5
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 19.6
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 10.8
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 16.5
},
{
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    "lowFrequency": 6145
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
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    "lowFrequency": 6165
  },
  "maxPsd": 20.5
},
{
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    "lowFrequency": 6185
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6225,
```

```
      "lowFrequency": 6205
    },
    "maxPsd": 21.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 17.0
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6245
    },
    "maxPsd": 16.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 11.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 20.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 22.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 8.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 8.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 12.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 9.0
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 8.8
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 18.8
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 16.1
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 12.6
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 18.8
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
```

```
            "highFrequency": 6785,
            "lowFrequency": 6765
          },
          "maxPsd": 21.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6805,
            "lowFrequency": 6785
          },
          "maxPsd": 19.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6825,
            "lowFrequency": 6805
          },
          "maxPsd": 16.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6845,
            "lowFrequency": 6825
          },
          "maxPsd": 16.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6865,
            "lowFrequency": 6845
          },
          "maxPsd": 18.2
        }
      ],
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            81,
            85,
            89,
            93,
            117,
            121,
            125,
            129,
            133,
            137,
            141,
            145,
            149,
            153,
            157,
            161,
            165,
            169,
            173,
            177,
            181
          ],
          "globalOperatingClass": 131,
```

```
"maxEirp": [
  26.7,
  29.7,
  24.0,
  25.9,
  34.8,
  26.2,
  30.5,
  32.6,
  23.8,
  29.5,
  34.1,
  33.5,
  28.1,
  34.5,
  30.0,
  29.3,
  24.7,
  33.8,
  26.1,
  35.0,
  21.6,
  21.2,
  26.1,
  25.8,
  22.0,
  28.4,
  34.0,
  21.8,
  28.1,
  31.8,
  29.1,
  24.0,
  25.6,
  34.8,
  31.8,
  32.5,
  34.5,
  32.6,
  29.8,
  29.7,
  31.2
 ]
},
{
 "channelCfi": [
  3,
  11,
  19,
  27,
  35,
  43,
  51,
  59,
  67,
  75,
  83,
  91,
  123,
  131,
  139,
  147,
  155,
  163,
  171,
  179
 ],
 "globalOperatingClass": 132,
 "maxEirp": [
  29.7,
  27.0,
  29.2,
  33.5,
  26.8,
  36.0,
  31.1,
  32.3,
  27.7,
  29.1,
  24.2,
```

```
            28.8,
            31.4,
            24.8,
            32.1,
            27.0,
            34.8,
            35.5,
            32.8,
            32.7
          ]
        },
        {
          "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
          ],
          "globalOperatingClass": 133,
          "maxEirp": [
            30.0,
            32.2,
            29.8,
            34.1,
            30.7,
            27.2,
            27.8,
            30.0,
            35.8
          ]
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            33.0,
            32.8,
            30.2,
            30.8
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            35.9,
            33.3
          ]
        }
      ],
      "requestId": "3010553640",
      "availabilityExpireTime": "2025-11-
18T20:43:07Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
17T20:43:14Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
```

```
      "X-Forwarded-For": "192.168.5.163",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1260",
      "Connection": "Keep-Alive"
   },
   "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
         {
            "requestId": "3013012471",
            "deviceDescriptor": {
               "serialNumber": "353000151",
               "certificationId": [
                  {
                     "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                     "id": "FCC_CERT_ID_1"
                  }
               ]
            },
            "location": {
               "ellipse": {
                  "center": {
                     "longitude": -90.050655,
                     "latitude": 35.138359
                  },
                  "majorAxis": 1,
                  "minorAxis": 1,
                  "orientation": 0
               },
               "elevation": {
                  "height": 8.0,
                  "heightType": "AMSL",
                  "verticalUncertainty": 8
               },
               "indoorDeployment": 2
            },
            "inquiredFrequencyRange": [
               {
                  "lowFrequency": 5945,
                  "highFrequency": 6425
               },
               {
                  "lowFrequency": 6525,
                  "highFrequency": 6875
               }
            ],
            "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
 }
 ]
 }
}
```

```
############################  2025-11-17T20:43:14Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.7
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 16.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 12.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 21.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 13.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 17.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 19.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 10.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 16.5
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 20.5
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 21.5
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 17.0
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 16.3
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 13.1
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 22.0
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 8.6
},
{
  "frequencyRange": {
```

```
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 8.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 12.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 9.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 15.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 21.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 8.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 15.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 16.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 11.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
```

```
      "maxPsd": 12.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 21.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 18.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 19.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 21.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 19.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 16.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 16.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 18.2
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
```

```
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      26.7,
      29.7,
      24.0,
      25.9,
      34.8,
      26.2,
      30.5,
      32.6,
      23.8,
      29.5,
      34.1,
      33.5,
      28.1,
      34.5,
      30.0,
      29.3,
      24.7,
      33.8,
      26.1,
      35.0,
      21.6,
      21.2,
      26.1,
      25.8,
      22.0,
      28.4,
      34.0,
      21.8,
      28.1,
      31.8,
      29.1,
      24.0,
      25.6,
      34.8,
      31.8,
      32.5,
      34.5,
      32.6,
      29.8,
      29.7,
      31.2
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
```

```
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        29.7,
        27.0,
        29.2,
        33.5,
        26.8,
        36.0,
        31.1,
        32.3,
        27.7,
        29.1,
        24.2,
        28.8,
        31.4,
        24.8,
        32.1,
        27.0,
        34.8,
        35.5,
        32.8,
        32.7
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        30.0,
        32.2,
        29.8,
        34.1,
        30.7,
        27.2,
        27.8,
        30.0,
        35.8
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        33.0,
        32.8,
        30.2,
        30.8
      ]
    },
    {
      "channelCfi": [
        31,
        63
```

```
            ],
            "globalOperatingClass": 137,
            "maxEirp": [
              35.9,
              33.3
            ]
          }
        ],
        "requestId": "3013012471",
        "availabilityExpireTime": "2025-11-
18T20:43:14Z",
        "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
      }
    ],
    "version": "1.4"
}

############################  2025-11-
17T20:46:58Z
############################
{
    "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.163",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1260",
      "Connection": "Keep-Alive"
    },
    "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
        {
          "requestId": "3237286061",
          "deviceDescriptor": {
            "serialNumber": "353000151",
            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
              "highFrequency": 6425
            },
            {
              "lowFrequency": 6525,
              "highFrequency": 6875
            }
          ],
          "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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-17T20:46:58Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.7
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 16.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 12.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
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        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 13.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
```

```
      "lowFrequency": 6065
    },
    "maxPsd": 17.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 19.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 16.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 21.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 20.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
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    },
    "maxPsd": 15.1
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6205
    },
    "maxPsd": 21.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 17.0
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  {
    "frequencyRange": {
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      "lowFrequency": 6245
    },
    "maxPsd": 16.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 11.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 20.8
```

```
},
{
  "frequencyRange": {
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    "lowFrequency": 6305
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},
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    "lowFrequency": 6385
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},
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  },
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},
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    "lowFrequency": 6525
  },
  "maxPsd": 9.0
},
{
  "frequencyRange": {
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    "lowFrequency": 6545
  },
  "maxPsd": 15.4
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 21.0
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 8.8
},
{
  "frequencyRange": {
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    "lowFrequency": 6605
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
```

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      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 18.8
  },
  {
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      "highFrequency": 6665,
      "lowFrequency": 6645
    },
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  },
  {
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      "lowFrequency": 6665
    },
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  },
  {
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      "lowFrequency": 6685
    },
    "maxPsd": 12.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6745
    },
    "maxPsd": 19.5
  },
  {
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      "lowFrequency": 6765
    },
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  },
  {
    "frequencyRange": {
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      "lowFrequency": 6785
    },
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  },
  {
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      "lowFrequency": 6805
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6825
    },
    "maxPsd": 16.7
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6845
    },
```

```
      "maxPsd": 18.2
    }
  ],
  "availableChannelInfo": [
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
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        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
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        89,
        93,
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        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
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        29.7,
        24.0,
        25.9,
        34.8,
        26.2,
        30.5,
        32.6,
        23.8,
        29.5,
        34.1,
        33.5,
        28.1,
        34.5,
        30.0,
        29.3,
        24.7,
        33.8,
        26.1,
        35.0,
        21.6,
        21.2,
        26.1,
        25.8,
        22.0,
        28.4,
        34.0,
        21.8,
        28.1,
        31.8,
```

```
      29.1,
      24.0,
      25.6,
      34.8,
      31.8,
      32.5,
      34.5,
      32.6,
      29.8,
      29.7,
      31.2
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
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      27.0,
      29.2,
      33.5,
      26.8,
      36.0,
      31.1,
      32.3,
      27.7,
      29.1,
      24.2,
      28.8,
      31.4,
      24.8,
      32.1,
      27.0,
      34.8,
      35.5,
      32.8,
      32.7
    ]
  },
  {
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      135,
      151,
      167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      30.0,
      32.2,
      29.8,
      34.1,
      30.7,
      27.2,
```

```
                27.8,                                   }
                30.0,
                35.8
              ]
            },
            {
              "channelCfi": [
                15,
                47,
                79,
                143
              ],
              "globalOperatingClass": 134,
              "maxEirp": [
                33.0,
                32.8,
                30.2,
                30.8
              ]
            },
            {
              "channelCfi": [
                31,
                63
              ],
              "globalOperatingClass": 137,
              "maxEirp": [
                35.9,
                33.3
              ]
            }
          ],
          "requestId": "3237286061",
          "availabilityExpireTime": "2025-11-
18T20:46:58Z",
          "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
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1.3.2 CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_40MHz_10625_1


```
############################  2025-11-17T20:53:54Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1261",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "3658692247",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
      "channelCfi": [
        31,
```

```
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-17T20:53:54Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 10.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 17.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 20.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 14.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 8.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 8.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
```

```
      "lowFrequency": 6105
    },
    "maxPsd": 9.4
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  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 21.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 20.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 16.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 18.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 11.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 9.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 11.5
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 14.9
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
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{
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  "maxPsd": 19.8
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    "lowFrequency": 6525
  },
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},
{
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    "lowFrequency": 6545
  },
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},
{
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    "lowFrequency": 6565
  },
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},
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    "lowFrequency": 6585
  },
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    "lowFrequency": 6605
  },
  "maxPsd": 12.6
},
{
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    "lowFrequency": 6625
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
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    "lowFrequency": 6645
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
```

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      "maxPsd": 21.4
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    {
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        "lowFrequency": 6685
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 16.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 14.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 18.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 13.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 8.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 16.9
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
```

```
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
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      21.5,
      22.4,
      34.3,
      30.2,
      22.2,
      33.3,
      32.5,
      29.6,
      31.0,
      26.9,
      24.3,
      22.3,
      24.5,
      31.7,
      27.9,
      26.3,
      32.8,
      26.8,
      23.3,
      31.4,
      29.7,
      25.6,
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      22.9,
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      29.6,
      27.3,
      27.2,
      24.6,
      31.0,
      26.2,
      21.3,
      29.9
    ]
  },
  {
```

```
"channelCfi": [
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  11,
  19,
  27,
  35,
  43,
  51,
  59,
  67,
  75,
  83,
  91,
  123,
  131,
  139,
  147,
  155,
  163,
  171,
  179
],
"globalOperatingClass": 132,
"maxEirp": [
  26.1,
  26.8,
  30.8,
  24.5,
  25.4,
  25.2,
  35.5,
  32.6,
  27.3,
  25.3,
  30.9,
  29.3,
  26.3,
  28.6,
  25.9,
  27.6,
  30.3,
  27.6,
  29.2,
  24.3
]
},
{
  "channelCfi": [
    7,
    23,
    39,
    55,
    71,
    87,
    135,
    151,
    167
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    29.1,
    27.5,
    28.2,
    35.6,
    28.3,
    32.3,
    28.9,
    30.6,
    30.6
  ]
},
{
  "channelCfi": [
    15,
    47,
    79,
    143
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
```

```
                30.5,
                31.2,
                31.3,
                31.9
              ]
            },
            {
              "channelCfi": [
                31,
                63
              ],
              "globalOperatingClass": 137,
              "maxEirp": [
                33.6,
                34.3
              ]
            }
          ],
          "requestId": "3658692247",
          "availabilityExpireTime": "2025-11-
18T20:53:54Z",
          "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
        }
      ],
      "version": "1.4"
}

############################  2025-11-
17T20:53:59Z
############################
{
   "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.163",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1260",
      "Connection": "Keep-Alive"
   },
   "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
         {
            "requestId": "3658441184",
            "deviceDescriptor": {
               "serialNumber": "353000151",
               "certificationId": [
                  {
                     "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                     "id": "FCC_CERT_ID_1"
                  }
               ]
            },
            "location": {
               "ellipse": {
                  "center": {
                     "longitude": -90.050655,
                     "latitude": 35.138359
                  },
                  "majorAxis": 1,
                  "minorAxis": 1,
                  "orientation": 0
               },
               "elevation": {
                  "height": 8.0,
                  "heightType": "AMSL",
                  "verticalUncertainty": 8
               },
               "indoorDeployment": 2
            },
            "inquiredFrequencyRange": [
               {
                  "lowFrequency": 5945,
                  "highFrequency": 6425
               },
```

```
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-17T20:53:59Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 10.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 17.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 20.2
        },
```

```
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 14.8
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 8.8
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 8.5
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 21.3
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 9.2
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 20.3
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6285,
```

```
      "lowFrequency": 6265
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 11.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 9.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 11.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 13.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 19.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 13.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 10.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 18.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 16.7
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 12.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 10.7
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 21.4
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 11.6
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 14.3
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 14.2
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 11.6
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 13.2
},
{
  "frequencyRange": {
```

```
            "highFrequency": 6845,
            "lowFrequency": 6825
          },
          "maxPsd": 8.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6865,
            "lowFrequency": 6845
          },
          "maxPsd": 16.9
        }
      ],
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            81,
            85,
            89,
            93,
            117,
            121,
            125,
            129,
            133,
            137,
            141,
            145,
            149,
            153,
            157,
            161,
            165,
            169,
            173,
            177,
            181
          ],
          "globalOperatingClass": 131,
          "maxEirp": [
            23.1,
            25.9,
            30.5,
            23.8,
            33.2,
            27.8,
            21.8,
            21.5,
            22.4,
            34.3,
            30.2,
            22.2,
            33.3,
            32.5,
            29.6,
            31.0,
            26.9,
            24.3,
            22.3,
            24.5,
```

```
        31.7,
        27.9,
        26.3,
        32.8,
        26.8,
        23.3,
        31.4,
        29.7,
        25.6,
        23.7,
        22.9,
        34.4,
        24.6,
        29.6,
        27.3,
        27.2,
        24.6,
        31.0,
        26.2,
        21.3,
        29.9
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        26.1,
        26.8,
        30.8,
        24.5,
        25.4,
        25.2,
        35.5,
        32.6,
        27.3,
        25.3,
        30.9,
        29.3,
        26.3,
        28.6,
        25.9,
        27.6,
        30.3,
        27.6,
        29.2,
        24.3
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
```

```
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        29.1,
        27.5,
        28.2,
        35.6,
        28.3,
        32.3,
        28.9,
        30.6,
        30.6
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.5,
        31.2,
        31.3,
        31.9
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.6,
        34.3
      ]
    }
  ],
  "requestId": "3658441184",
  "availabilityExpireTime": "2025-11-18T20:53:59Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}

############################ 2025-11-17T21:02:03Z
############################
{
 "headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.5.40",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "1261",
  "Connection": "Keep-Alive"
 },
 "body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
   {
    "requestId": "3904701944",
    "deviceDescriptor": {
     "serialNumber": "2340140652",
     "certificationId": [
      {
       "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
       "id": "FCC_CERT_ID_1"
      }
```

```
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "longitude": -90.050655,
        "latitude": 35.138359
      },
      "majorAxis": 1,
      "minorAxis": 1,
      "orientation": 0
    },
    "elevation": {
      "height": 8.0,
      "heightType": "AMSL",
      "verticalUncertainty": 8
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-17T21:02:04Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 15.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
```

```
    },
    "maxPsd": 13.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 18.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 15.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 10.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 17.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 16.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 11.1
  },
```

```
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 10.6
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 12.0
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 17.5
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 13.4
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 10.2
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 16.7
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 14.1
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6545,
```

```
      "lowFrequency": 6525
    },
    "maxPsd": 17.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 20.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 9.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 18.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 9.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 16.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 8.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 17.7
```

```
    },                                                          1,
    {                                                           5,
      "frequencyRange": {                                       9,
        "highFrequency": 6785,                                  13,
        "lowFrequency": 6765                                    17,
      },                                                        21,
      "maxPsd": 13.0                                            25,
    },                                                          29,
    {                                                           33,
      "frequencyRange": {                                       37,
        "highFrequency": 6805,                                  41,
        "lowFrequency": 6785                                    45,
      },                                                        49,
      "maxPsd": 13.3                                            53,
    },                                                          57,
    {                                                           61,
      "frequencyRange": {                                       65,
        "highFrequency": 6825,                                  69,
        "lowFrequency": 6805                                    73,
      },                                                        77,
      "maxPsd": 21.8                                            81,
    },                                                          85,
    {                                                           89,
      "frequencyRange": {                                       93,
        "highFrequency": 6845,                                  117,
        "lowFrequency": 6825                                    121,
      },                                                        125,
      "maxPsd": 16.8                                            129,
    },                                                          133,
    {                                                           137,
      "frequencyRange": {                                       141,
        "highFrequency": 6865,                                  145,
        "lowFrequency": 6845                                    149,
      },                                                        153,
      "maxPsd": 18.3                                            157,
    }                                                           161,
  ],                                                            165,
  "availableChannelInfo": [                                     169,
    {                                                           173,
      "channelCfi": [                                           177,
```

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    ],
    "globalOperatingClass": 131,
    "maxEirp": [
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      26.3,
      31.3,
      28.4,
      23.3,
      29.9,
      24.6,
      30.5,
      30.6,
      32.0,
      25.2,
      29.6,
      24.1,
      23.6,
      25.0,
      34.8,
      21.1,
      30.5,
      26.4,
      24.1,
      23.2,
      29.7,
      27.1,
      34.2,
      30.3,
      33.0,
      22.7,
      30.8,
      31.2,
      22.3,
      22.9,
      29.1,
      26.9,
      23.8,
      21.7,
      30.7,
      26.0,
      26.3,
      34.8,
      29.8,
      31.3
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      29.3,
      31.4,
      26.3,
      27.6,
      33.6,
      28.2,
      26.6,
      28.0,
```

```
        24.1,
        27.1,
        26.2,
        30.1,
        25.7,
        33.8,
        25.3,
        29.9,
        24.7,
        29.0,
        29.3,
        32.8
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        32.3,
        29.3,
        31.2,
        29.6,
        27.1,
        29.2,
        28.3,
        27.7,
        32.0
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        32.3,
        32.6,
        30.1,
        30.7
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        35.4,
        33.2
      ]
    }
  ],
  "requestId": "3904701944",
  "availabilityExpireTime": "2025-11-18T21:02:04Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}

############################ 2025-11-17T21:38:07Z
############################
{
 "headers": {
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```
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.40",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1261",
      "Connection": "Keep-Alive"
    },
    "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
        {
          "requestId": "2015963533",
          "deviceDescriptor": {
            "serialNumber": "2340140652",
            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
              "highFrequency": 6425
            },
            {
              "lowFrequency": 6525,
              "highFrequency": 6875
            }
          ],
          "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": 137,
          "channelCfi": [
            31,
            63
          ]
        }
      ],
      "minDesiredPower": 20
    }
  ]
}
```

```
############################  2025-11-17T21:38:08Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 15.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 13.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 18.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 15.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 10.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 16.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 11.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 17.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 17.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
```

```
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 16.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 11.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 10.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 12.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 21.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 8.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 17.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 13.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 11.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 10.2
    },
    {
```

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    "frequencyRange": {
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    "maxPsd": 16.7
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6385
    },
    "maxPsd": 14.1
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6405
    },
    "maxPsd": 21.2
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6525
    },
    "maxPsd": 17.3
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6545
    },
    "maxPsd": 20.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 9.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 18.2
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6625
    },
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  },
  {
    "frequencyRange": {
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      "lowFrequency": 6645
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 16.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
```

```
      },
      "maxPsd": 13.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 10.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 8.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 13.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 21.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 16.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 18.3
    }
  ],
  "availableChannelInfo": [
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      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
```

```
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
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      31.3,
      28.4,
      23.3,
      29.9,
      24.6,
      30.5,
      30.6,
      32.0,
      25.2,
      29.6,
      24.1,
      23.6,
      25.0,
      34.8,
      21.1,
      30.5,
      26.4,
      24.1,
      23.2,
      29.7,
      27.1,
      34.2,
      30.3,
      33.0,
      22.7,
      30.8,
      31.2,
      22.3,
      22.9,
      29.1,
      26.9,
      23.8,
      21.7,
      30.7,
      26.0,
      26.3,
      34.8,
      29.8,
      31.3
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
```

```
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
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        31.4,
        26.3,
        27.6,
        33.6,
        28.2,
        26.6,
        28.0,
        24.1,
        27.1,
        26.2,
        30.1,
        25.7,
        33.8,
        25.3,
        29.9,
        24.7,
        29.0,
        29.3,
        32.8
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        32.3,
        29.3,
        31.2,
        29.6,
        27.1,
        29.2,
        28.3,
        27.7,
        32.0
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        32.3,
        32.6,
        30.1,
        30.7
      ]
    },
    {
      "channelCfi": [
        31,
```

```
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            35.4,
            33.2
          ]
        }
      ],
      "requestId": "2015963533",
      "availabilityExpireTime": "2025-11-
18T21:38:08Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
17T21:38:20Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1260",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "2024182355",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131,
            "channelCfi": [
```

```
        1,
        5,
        9,
        13,
        17,
        21,
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        29,
        33,
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        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": 137,
            "channelCfi": [
              31,
              63
            ]
          }
        ],
        "minDesiredPower": 20
      }
    ]
  }
}

############################  2025-11-17T21:38:20Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 15.3
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        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 13.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 18.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 15.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 10.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 16.9
        },
        {
          "frequencyRange": {
```

```
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 17.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 16.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 10.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 12.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
```

```
      "maxPsd": 17.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 13.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 11.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 10.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
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      "maxPsd": 16.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 14.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 21.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6545,
        "lowFrequency": 6525
      },
      "maxPsd": 17.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6565,
        "lowFrequency": 6545
      },
      "maxPsd": 20.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6585,
        "lowFrequency": 6565
      },
      "maxPsd": 9.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 17.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 18.2
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 9.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 16.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 8.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 13.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 13.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6845,
      "lowFrequency": 6825
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6865,
      "lowFrequency": 6845
```

```
      },
      "maxPsd": 18.3
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        28.3,
        26.3,
        31.3,
        28.4,
        23.3,
        29.9,
        24.6,
        30.5,
        30.6,
        32.0,
        25.2,
        29.6,
        24.1,
        23.6,
        25.0,
        34.8,
        21.1,
        30.5,
        26.4,
        24.1,
        23.2,
        29.7,
        27.1,
        34.2,
        30.3,
        33.0,
        22.7,
        30.8,
        31.2,
```

```
      22.3,
      22.9,
      29.1,
      26.9,
      23.8,
      21.7,
      30.7,
      26.0,
      26.3,
      34.8,
      29.8,
      31.3
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      29.3,
      31.4,
      26.3,
      27.6,
      33.6,
      28.2,
      26.6,
      28.0,
      24.1,
      27.1,
      26.2,
      30.1,
      25.7,
      33.8,
      25.3,
      29.9,
      24.7,
      29.0,
      29.3,
      32.8
    ]
  },
  {
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      135,
      151,
      167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      32.3,
      29.3,
      31.2,
      29.6,
      27.1,
```

```
            29.2,
            28.3,
            27.7,
            32.0
          ]
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            32.3,
            32.6,
            30.1,
            30.7
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            35.4,
            33.2
          ]
        }
      ],
      "requestId": "2024182355",
      "availabilityExpireTime": "2025-11-
18T21:38:20Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################ 2025-11-
17T21:45:59Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1258",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83905907",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
```

```
      "minorAxis": 1,
      "orientation": 0
    },
    "elevation": {
      "height": 8.0,
      "heightType": "AMSL",
      "verticalUncertainty": 8
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "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": 137,
      "channelCfi": [
        31,
        63
```

```
        ]
      }
    ],
    "minDesiredPower": 20
  }
 ]
 }
}

############################ 2025-11-17T21:45:59Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 15.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 13.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 18.3
```

```
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 15.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 10.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 17.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 16.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 10.6
  },
  {
    "frequencyRange": {
```

```
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 12.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 17.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 13.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 10.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 16.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 14.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 21.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 17.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
```

```
      "maxPsd": 20.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6585,
        "lowFrequency": 6565
      },
      "maxPsd": 9.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 17.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 18.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 9.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 9.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 13.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 10.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 8.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 13.0
    },
    {
```

```
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 21.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 16.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 18.3
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        28.3,
        26.3,
        31.3,
        28.4,
        23.3,
```

```
        29.9,
        24.6,
        30.5,
        30.6,
        32.0,
        25.2,
        29.6,
        24.1,
        23.6,
        25.0,
        34.8,
        21.1,
        30.5,
        26.4,
        24.1,
        23.2,
        29.7,
        27.1,
        34.2,
        30.3,
        33.0,
        22.7,
        30.8,
        31.2,
        22.3,
        22.9,
        29.1,
        26.9,
        23.8,
        21.7,
        30.7,
        26.0,
        26.3,
        34.8,
        29.8,
        31.3
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        29.3,
        31.4,
        26.3,
        27.6,
        33.6,
        28.2,
        26.6,
        28.0,
        24.1,
        27.1,
        26.2,
        30.1,
        25.7,
        33.8,
        25.3,
        29.9,
        24.7,
```

```
            29.0,
            29.3,
            32.8
          ]
        },
        {
          "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
          ],
          "globalOperatingClass": 133,
          "maxEirp": [
            32.3,
            29.3,
            31.2,
            29.6,
            27.1,
            29.2,
            28.3,
            27.7,
            32.0
          ]
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            32.3,
            32.6,
            30.1,
            30.7
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            35.4,
            33.2
          ]
        }
      ],
      "requestId": "83905907",
      "availabilityExpireTime": "2025-11-18T21:45:59Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################ 2025-11-17T21:46:00Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1258",
```

```
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "84048129",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-17T21:46:00Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
```

```
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableFrequencyInfo": [
    {
      "frequencyRange": {
        "highFrequency": 5965,
        "lowFrequency": 5945
      },
      "maxPsd": 15.3
    },
    {
      "frequencyRange": {
        "highFrequency": 5985,
        "lowFrequency": 5965
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
      },
      "maxPsd": 18.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 15.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 10.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 16.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 17.5
    },
    {
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        "lowFrequency": 6105
      },
      "maxPsd": 17.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
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        "lowFrequency": 6145
      },
      "maxPsd": 12.2
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    "lowFrequency": 6165
  },
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    "lowFrequency": 6185
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    "lowFrequency": 6225
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    "lowFrequency": 6245
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    "lowFrequency": 6265
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    "lowFrequency": 6285
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    "lowFrequency": 6365
  },
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},
{
  "frequencyRange": {
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    },
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    },
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      "lowFrequency": 6545
    },
    "maxPsd": 20.0
  },
  {
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      "lowFrequency": 6565
    },
    "maxPsd": 9.7
  },
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      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6605
    },
    "maxPsd": 18.2
  },
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    "frequencyRange": {
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      "lowFrequency": 6625
    },
    "maxPsd": 9.3
  },
  {
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      "lowFrequency": 6645
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6665
    },
    "maxPsd": 16.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
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      },
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    },
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        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 17.7
    },
    {
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        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 13.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 13.3
    },
    {
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        "lowFrequency": 6805
      },
      "maxPsd": 21.8
    },
    {
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        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 16.8
    },
    {
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        "lowFrequency": 6845
      },
      "maxPsd": 18.3
    }
  ],
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        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
    ],
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    "maxEirp": [
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      28.4,
      23.3,
      29.9,
      24.6,
      30.5,
      30.6,
      32.0,
      25.2,
      29.6,
      24.1,
      23.6,
      25.0,
      34.8,
      21.1,
      30.5,
      26.4,
      24.1,
      23.2,
      29.7,
      27.1,
      34.2,
      30.3,
      33.0,
      22.7,
      30.8,
      31.2,
      22.3,
      22.9,
      29.1,
      26.9,
      23.8,
      21.7,
      30.7,
      26.0,
      26.3,
      34.8,
      29.8,
      31.3
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
```

```
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
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        26.3,
        27.6,
        33.6,
        28.2,
        26.6,
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        26.2,
        30.1,
        25.7,
        33.8,
        25.3,
        29.9,
        24.7,
        29.0,
        29.3,
        32.8
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        32.3,
        29.3,
        31.2,
        29.6,
        27.1,
        29.2,
        28.3,
        27.7,
        32.0
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        32.3,
        32.6,
        30.1,
        30.7
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        35.4,
        33.2
      ]
    }
```

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        ],
        "requestId": "84048129",
        "availabilityExpireTime": "2025-11-
18T21:46:00Z",
        "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
      }
   ],
   "version": "1.4"
}

############################  2025-11-
17T21:47:29Z
############################
{
   "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.40",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1259",
      "Connection": "Keep-Alive"
   },
   "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
         {
            "requestId": "83238086",
            "deviceDescriptor": {
               "serialNumber": "2340140652",
               "certificationId": [
                  {
                     "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                     "id": "FCC_CERT_ID_1"
                  }
               ]
            },
            "location": {
               "ellipse": {
                  "center": {
                     "longitude": -90.050655,
                     "latitude": 35.138359
                  },
                  "majorAxis": 1,
                  "minorAxis": 1,
                  "orientation": 0
               },
               "elevation": {
                  "height": 8.0,
                  "heightType": "AMSL",
                  "verticalUncertainty": 8
               },
               "indoorDeployment": 2
            },
            "inquiredFrequencyRange": [
               {
                  "lowFrequency": 5945,
                  "highFrequency": 6425
               },
               {
                  "lowFrequency": 6525,
                  "highFrequency": 6875
               }
            ],
            "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,
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        89,
        93,
        117,
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        125,
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        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ]
    },
    {
      "globalOperatingClass": 132,
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        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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-17T21:47:29Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
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          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 15.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 13.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
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        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 15.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 10.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
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        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 11.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
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      "lowFrequency": 6085
    },
    "maxPsd": 17.5
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  {
    "frequencyRange": {
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    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6125
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 16.6
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6185
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 10.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 12.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 17.5
  },
  {
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      "lowFrequency": 6305
    },
    "maxPsd": 13.4
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```
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  "maxPsd": 11.1
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  "maxPsd": 10.2
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{
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  },
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    "lowFrequency": 6405
  },
  "maxPsd": 21.2
},
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    "lowFrequency": 6525
  },
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},
{
  "frequencyRange": {
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    "lowFrequency": 6545
  },
  "maxPsd": 20.0
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 9.7
},
{
  "frequencyRange": {
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    "lowFrequency": 6585
  },
  "maxPsd": 17.8
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 18.2
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 9.3
},
{
  "frequencyRange": {
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        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 9.9
    },
    {
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        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 13.9
    },
    {
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        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 10.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 8.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 13.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 21.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 16.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 18.3
    }
  ],
  "availableChannelInfo": [
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      "channelCfi": [
        1,
```

```
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    9,
    13,
    17,
    21,
    25,
    29,
    33,
    37,
    41,
    45,
    49,
    53,
    57,
    61,
    65,
    69,
    73,
    77,
    81,
    85,
    89,
    93,
    117,
    121,
    125,
    129,
    133,
    137,
    141,
    145,
    149,
    153,
    157,
    161,
    165,
    169,
    173,
    177,
    181
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
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    31.3,
    28.4,
    23.3,
    29.9,
    24.6,
    30.5,
    30.6,
    32.0,
    25.2,
    29.6,
    24.1,
    23.6,
    25.0,
    34.8,
    21.1,
    30.5,
    26.4,
    24.1,
    23.2,
    29.7,
    27.1,
    34.2,
    30.3,
    33.0,
    22.7,
    30.8,
    31.2,
    22.3,
    22.9,
    29.1,
    26.9,
    23.8,
    21.7,
    30.7,
    26.0,
```

```
        26.3,
        34.8,
        29.8,
        31.3
      ]
    },
    {
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        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        29.3,
        31.4,
        26.3,
        27.6,
        33.6,
        28.2,
        26.6,
        28.0,
        24.1,
        27.1,
        26.2,
        30.1,
        25.7,
        33.8,
        25.3,
        29.9,
        24.7,
        29.0,
        29.3,
        32.8
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        32.3,
        29.3,
        31.2,
        29.6,
        27.1,
        29.2,
        28.3,
        27.7,
        32.0
      ]
    },
    {
      "channelCfi": [
```

```
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            32.3,
            32.6,
            30.1,
            30.7
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            35.4,
            33.2
          ]
        }
      ],
      "requestId": "83238086",
      "availabilityExpireTime": "2025-11-
18T21:47:29Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
17T21:47:30Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1259",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83380405",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
```

```
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6425
  },
  {
    "lowFrequency": 6525,
    "highFrequency": 6875
  }
],
"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
    ]
  },
  {
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      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
```

```
            179
          ]
        },
        {
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            7,
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            39,
            55,
            71,
            87,
            135,
            151,
            167
          ]
        },
        {
          "globalOperatingClass": 134,
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            15,
            47,
            79,
            143
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        },
        {
          "globalOperatingClass": 137,
          "channelCfi": [
            31,
            63
          ]
        }
      ],
      "minDesiredPower": 20
    }
  ]
 }
}
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############################ 2025-11-17T21:47:30Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 15.3
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 13.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
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        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 15.4
        },
        {
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    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 10.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 17.5
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6105
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6145
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6165
    },
    "maxPsd": 16.6
  },
  {
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      "lowFrequency": 6225
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      "lowFrequency": 6385
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    },
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  {
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  {
    "frequencyRange": {
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      "lowFrequency": 6565
    },
    "maxPsd": 9.7
  },
```

```
{
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    "lowFrequency": 6585
  },
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},
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    "lowFrequency": 6605
  },
  "maxPsd": 18.2
},
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    "lowFrequency": 6625
  },
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    "lowFrequency": 6645
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},
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  "frequencyRange": {
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    "lowFrequency": 6665
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{
  "frequencyRange": {
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    "lowFrequency": 6685
  },
  "maxPsd": 13.9
},
{
  "frequencyRange": {
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    "lowFrequency": 6705
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  "maxPsd": 10.8
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  },
  "maxPsd": 8.7
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  },
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    "lowFrequency": 6765
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},
{
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    "lowFrequency": 6785
  },
  "maxPsd": 13.3
},
{
  "frequencyRange": {
    "highFrequency": 6825,
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```
            "lowFrequency": 6805
          },
          "maxPsd": 21.8
        },
        {
          "frequencyRange": {
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            "lowFrequency": 6825
          },
          "maxPsd": 16.8
        },
        {
          "frequencyRange": {
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            "lowFrequency": 6845
          },
          "maxPsd": 18.3
        }
      ],
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            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
          ],
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            23.3,
            29.9,
            24.6,
            30.5,
            30.6,
            32.0,
            25.2,
            29.6,
            24.1,
            23.6,
```

```
            25.0,
            34.8,
            21.1,
            30.5,
            26.4,
            24.1,
            23.2,
            29.7,
            27.1,
            34.2,
            30.3,
            33.0,
            22.7,
            30.8,
            31.2,
            22.3,
            22.9,
            29.1,
            26.9,
            23.8,
            21.7,
            30.7,
            26.0,
            26.3,
            34.8,
            29.8,
            31.3
          ]
        },
        {
          "channelCfi": [
            3,
            11,
            19,
            27,
            35,
            43,
            51,
            59,
            67,
            75,
            83,
            91,
            123,
            131,
            139,
            147,
            155,
            163,
            171,
            179
          ],
          "globalOperatingClass": 132,
          "maxEirp": [
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            31.4,
            26.3,
            27.6,
            33.6,
            28.2,
            26.6,
            28.0,
            24.1,
            27.1,
            26.2,
            30.1,
            25.7,
            33.8,
            25.3,
            29.9,
            24.7,
            29.0,
            29.3,
            32.8
          ]
        },
        {
          "channelCfi": [
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            23,
```

```
            39,
            55,
            71,
            87,
            135,
            151,
            167
          ],
          "globalOperatingClass": 133,
          "maxEirp": [
            32.3,
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            31.2,
            29.6,
            27.1,
            29.2,
            28.3,
            27.7,
            32.0
          ]
        },
        {
          "channelCfi": [
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            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
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            32.6,
            30.1,
            30.7
          ]
        },
        {
          "channelCfi": [
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            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            35.4,
            33.2
          ]
        }
      ],
      "requestId": "83380405",
      "availabilityExpireTime": "2025-11-18T21:47:30Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-17T21:48:17Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1259",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "223133879",
        "deviceDescriptor": {
          "serialNumber": "353000151",
```

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            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
              "highFrequency": 6425
            },
            {
              "lowFrequency": 6525,
              "highFrequency": 6875
            }
          ],
          "inquiredChannels": [
            {
              "globalOperatingClass": 131,
              "channelCfi": [
                1,
```

```
5,
9,
13,
17,
21,
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45,
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57,
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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,
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        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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
 }
 ]
}
}

############################ 2025-11-17T21:48:18Z ############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
```

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      "maxPsd": 15.3
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    {
      "frequencyRange": {
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        "lowFrequency": 5965
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
      },
      "maxPsd": 18.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 15.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 10.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 16.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 17.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 17.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
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      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 16.6
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 11.1
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  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 10.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 12.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 17.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 13.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6345
    },
    "maxPsd": 10.2
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6365
    },
    "maxPsd": 16.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 14.1
  },
  {
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      "lowFrequency": 6405
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      "lowFrequency": 6585
    },
    "maxPsd": 17.8
  },
  {
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      "lowFrequency": 6605
    },
    "maxPsd": 18.2
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      "lowFrequency": 6625
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      "lowFrequency": 6645
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    "maxPsd": 9.9
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      "lowFrequency": 6665
    },
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  {
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      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 8.7
  },
```

```
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 13.0
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 13.3
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6845,
    "lowFrequency": 6825
  },
  "maxPsd": 16.8
},
{
  "frequencyRange": {
    "highFrequency": 6865,
    "lowFrequency": 6845
  },
    "maxPsd": 18.3
  }
],
"availableChannelInfo": [
  {
    "channelCfi": [
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      5,
      9,
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      17,
      21,
      25,
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      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
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      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
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    "maxEirp": [
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      23.3,
      29.9,
      24.6,
      30.5,
      30.6,
      32.0,
      25.2,
      29.6,
      24.1,
      23.6,
      25.0,
      34.8,
      21.1,
      30.5,
      26.4,
      24.1,
      23.2,
      29.7,
      27.1,
      34.2,
      30.3,
      33.0,
      22.7,
      30.8,
      31.2,
      22.3,
      22.9,
      29.1,
      26.9,
      23.8,
      21.7,
      30.7,
      26.0,
      26.3,
      34.8,
      29.8,
      31.3
    ]
  },
  {
    "channelCfi": [
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      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
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      31.4,
```

```
        26.3,
        27.6,
        33.6,
        28.2,
        26.6,
        28.0,
        24.1,
        27.1,
        26.2,
        30.1,
        25.7,
        33.8,
        25.3,
        29.9,
        24.7,
        29.0,
        29.3,
        32.8
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        32.3,
        29.3,
        31.2,
        29.6,
        27.1,
        29.2,
        28.3,
        27.7,
        32.0
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        32.3,
        32.6,
        30.1,
        30.7
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        35.4,
        33.2
      ]
    }
  ],
  "requestId": "223133879",
  "availabilityExpireTime": "2025-11-18T21:48:18Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
```

}

1.3.3 CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_80MHz_10627_1

########## 2025-11-17T21:54:25Z ##########
{
"headers": {
"Host": "testserver.wfatestorg.org",
"Accept": "*/*",
"Content-Type": "application/json",
"X-Forwarded-For": "192.168.5.40",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1260",
"Connection": "Keep-Alive"
},
"body": {
"version": "1.4",
"availableSpectrumInquiryRequests": [
{
"requestId": "590850816",
"deviceDescriptor": {
"serialNumber": "2340140652",
"certificationId": [
{
"rulesetId": "US_47_CFR_PART_15_SUBPART_E",
"id": "FCC_CERT_ID_1"
}
]
},
"location": {
"ellipse": {
"center": {
"longitude": -90.050655,
"latitude": 35.138359
},
"majorAxis": 1,
"minorAxis": 1,
"orientation": 0
},
"elevation": {
"height": 8.0,
"heightType": "AMSL",
"verticalUncertainty": 8
},
"indoorDeployment": 2
},
"inquiredFrequencyRange": [
{
"lowFrequency": 5945,
"highFrequency": 6425
},
{
"lowFrequency": 6525,
"highFrequency": 6875
}
],
"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": 137,
      "channelCfi": [
```

```
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-17T21:54:25Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 18.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 21.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 21.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 8.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 20.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 15.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 14.7
        },
        {
          "frequencyRange": {
```

```
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 21.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 11.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 19.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 8.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 21.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 12.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 21.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
```

```
      "maxPsd": 14.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 16.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 8.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 18.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6545,
        "lowFrequency": 6525
      },
      "maxPsd": 18.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6565,
        "lowFrequency": 6545
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6585,
        "lowFrequency": 6565
      },
      "maxPsd": 9.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 13.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 20.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 13.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 13.5
    },
    {
```

```
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 15.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 18.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 10.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 18.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 20.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 20.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 14.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 19.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 17.3
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
```

```
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      31.1,
      25.6,
      34.2,
      34.6,
      21.8,
      33.7,
      28.8,
      27.7,
      34.1,
      24.3,
      32.8,
      21.4,
      30.6,
      34.5,
      29.8,
      29.9,
      25.1,
      30.2,
      34.3,
      27.2,
      29.3,
      21.9,
      31.4,
      24.6,
      31.6,
      25.7,
      22.7,
      26.5,
      33.1,
      26.6,
      26.5,
      28.3,
      31.5,
      23.5,
      31.9,
      33.6,
      33.0,
      27.9,
      28.5,
      32.1,
      30.3
    ]
  },
```

```
{
  "channelCfi": [
    3,
    11,
    19,
    27,
    35,
    43,
    51,
    59,
    67,
    75,
    83,
    91,
    123,
    131,
    139,
    147,
    155,
    163,
    171,
    179
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    28.6,
    36.0,
    24.8,
    30.7,
    27.3,
    24.4,
    33.6,
    32.8,
    28.1,
    30.2,
    24.9,
    27.6,
    25.7,
    29.5,
    29.5,
    31.3,
    26.5,
    36.0,
    30.9,
    33.3
  ]
},
{
  "channelCfi": [
    7,
    23,
    39,
    55,
    71,
    87,
    135,
    151,
    167
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    31.6,
    27.8,
    27.4,
    35.8,
    31.1,
    27.9,
    32.5,
    29.5,
    33.9
  ]
},
{
  "channelCfi": [
    15,
    47,
    79,
    143
  ],
  "globalOperatingClass": 134,
```

```
            "maxEirp": [
              30.8,
              30.4,
              30.9,
              32.5
            ]
          },
          {
            "channelCfi": [
              31,
              63
            ],
            "globalOperatingClass": 137,
            "maxEirp": [
              33.5,
              33.5
            ]
          }
        ],
        "requestId": "590850816",
        "availabilityExpireTime": "2025-11-
18T21:54:25Z",
        "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
      }
    ],
    "version": "1.4"
}

############################  2025-11-
17T21:54:30Z
############################
{
    "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.163",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1259",
      "Connection": "Keep-Alive"
    },
    "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
        {
          "requestId": "595886633",
          "deviceDescriptor": {
            "serialNumber": "353000151",
            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
```

```
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "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": 137,
            "channelCfi": [
              31,
              63
            ]
          }
        ],
        "minDesiredPower": 20
      }
    ]
  }
}

############################ 2025-11-17T21:54:30Z ############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 18.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 21.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 21.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
```

```
      "maxPsd": 8.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 20.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 15.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 14.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 21.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 11.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 19.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 8.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 17.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 21.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 16.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 16.9
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 12.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 21.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 14.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 16.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 8.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 18.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 18.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 12.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 9.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
```

```
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 20.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 13.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 15.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 10.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 18.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 20.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 20.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 15.5
  },
```

```
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 19.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 17.3
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        31.1,
        25.6,
        34.2,
        34.6,
        21.8,
        33.7,
        28.8,
        27.7,
        34.1,
        24.3,
        32.8,
        21.4,
        30.6,
        34.5,
        29.8,
        29.9,
        25.1,
        30.2,
```

```
        34.3,
        27.2,
        29.3,
        21.9,
        31.4,
        24.6,
        31.6,
        25.7,
        22.7,
        26.5,
        33.1,
        26.6,
        26.5,
        28.3,
        31.5,
        23.5,
        31.9,
        33.6,
        33.0,
        27.9,
        28.5,
        32.1,
        30.3
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        28.6,
        36.0,
        24.8,
        30.7,
        27.3,
        24.4,
        33.6,
        32.8,
        28.1,
        30.2,
        24.9,
        27.6,
        25.7,
        29.5,
        29.5,
        31.3,
        26.5,
        36.0,
        30.9,
        33.3
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
```

```
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        31.6,
        27.8,
        27.4,
        35.8,
        31.1,
        27.9,
        32.5,
        29.5,
        33.9
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.8,
        30.4,
        30.9,
        32.5
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.5,
        33.5
      ]
    }
  ],
  "requestId": "595886633",
  "availabilityExpireTime": "2025-11-18T21:54:30Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}

############################ 2025-11-17T21:58:28Z
############################
{
 "headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.5.40",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "1260",
  "Connection": "Keep-Alive"
 },
 "body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
   {
    "requestId": "834097235",
    "deviceDescriptor": {
     "serialNumber": "2340140652",
     "certificationId": [
      {
       "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
```

```
            "id": "FCC_CERT_ID_1"
          }
        ]
      },
      "location": {
        "ellipse": {
          "center": {
            "longitude": -90.050655,
            "latitude": 35.138359
          },
          "majorAxis": 1,
          "minorAxis": 1,
          "orientation": 0
        },
        "elevation": {
          "height": 8.0,
          "heightType": "AMSL",
          "verticalUncertainty": 8
        },
        "indoorDeployment": 2
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6425
        },
        {
          "lowFrequency": 6525,
          "highFrequency": 6875
        }
      ],
      "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
 }
 ]
}
}

############################ 2025-11-17T21:58:28Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 11.6
        },
        {
          "frequencyRange": {
```

```
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 9.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 20.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 15.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 14.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 20.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 9.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 18.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 18.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 10.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
```

```
      "maxPsd": 11.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 9.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 21.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 12.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 16.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 8.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 17.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 10.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 20.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 21.5
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 21.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 9.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 17.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 18.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 16.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 18.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 10.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 16.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 10.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 15.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
```

```
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 8.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 16.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 21.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 11.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 18.0
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
```

```
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      24.6,
      26.5,
      22.5,
      33.8,
      31.7,
      28.2,
      27.8,
      33.5,
      22.7,
      31.6,
      31.0,
      23.5,
      24.2,
      22.1,
      31.1,
      34.1,
      25.9,
      29.8,
      32.0,
      21.5,
      30.9,
      23.6,
      33.6,
      34.5,
      34.1,
      22.4,
      30.4,
      31.0,
      29.3,
      31.9,
      23.0,
      29.5,
      26.2,
      23.3,
      28.2,
      21.6,
      21.0,
      29.5,
      34.7,
      24.5,
      31.0
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      27.6,
      25.5,
      31.2,
      30.8,
      25.7,
      26.5,
```

```
        25.1,
        34.1,
        28.9,
        24.5,
        26.6,
        36.0,
        25.4,
        32.3,
        26.0,
        29.2,
        26.3,
        24.0,
        32.5,
        27.5
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.5,
        33.8,
        28.7,
        28.1,
        27.5,
        29.6,
        29.0,
        29.3,
        27.0
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.5,
        31.1,
        30.5,
        32.0
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        34.2,
        33.6
      ]
    }
  ],
  "requestId": "834097235",
  "availabilityExpireTime": "2025-11-18T21:58:28Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}

############################ 2025-11-17T21:58:32Z
############################
```

```
{
   "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.163",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1259",
      "Connection": "Keep-Alive"
   },
   "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
         {
            "requestId": "837994953",
            "deviceDescriptor": {
               "serialNumber": "353000151",
               "certificationId": [
                  {
                     "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                     "id": "FCC_CERT_ID_1"
                  }
               ]
            },
            "location": {
               "ellipse": {
                  "center": {
                     "longitude": -90.050655,
                     "latitude": 35.138359
                  },
                  "majorAxis": 1,
                  "minorAxis": 1,
                  "orientation": 0
               },
               "elevation": {
                  "height": 8.0,
                  "heightType": "AMSL",
                  "verticalUncertainty": 8
               },
               "indoorDeployment": 2
            },
            "inquiredFrequencyRange": [
               {
                  "lowFrequency": 5945,
                  "highFrequency": 6425
               },
               {
                  "lowFrequency": 6525,
                  "highFrequency": 6875
               }
            ],
            "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
```

```
  }
}

############################  2025-11-17T21:58:32Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 11.6
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 13.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 20.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 18.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 15.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 14.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 20.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 9.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
```

```
      "lowFrequency": 6125
    },
    "maxPsd": 18.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 18.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 10.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 11.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 9.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 21.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 12.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 8.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 17.9
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 10.6
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 20.6
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 21.5
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 17.4
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 16.3
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 18.9
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 10.0
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 16.5
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 13.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 10.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 15.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 8.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 16.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 21.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 11.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 18.0
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
```

```
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      24.6,
      26.5,
      22.5,
      33.8,
      31.7,
      28.2,
      27.8,
      33.5,
      22.7,
      31.6,
      31.0,
      23.5,
      24.2,
      22.1,
      31.1,
      34.1,
      25.9,
      29.8,
      32.0,
      21.5,
      30.9,
      23.6,
      33.6,
      34.5,
      34.1,
      22.4,
      30.4,
      31.0,
      29.3,
      31.9,
      23.0,
      29.5,
      26.2,
      23.3,
      28.2,
      21.6,
      21.0,
      29.5,
      34.7,
      24.5,
      31.0
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
```

```
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        27.6,
        25.5,
        31.2,
        30.8,
        25.7,
        26.5,
        25.1,
        34.1,
        28.9,
        24.5,
        26.6,
        36.0,
        25.4,
        32.3,
        26.0,
        29.2,
        26.3,
        24.0,
        32.5,
        27.5
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.5,
        33.8,
        28.7,
        28.1,
        27.5,
        29.6,
        29.0,
        29.3,
        27.0
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.5,
        31.1,
        30.5,
        32.0
      ]
    },
    {
```

```
            "channelCfi": [
              31,
              63
            ],
            "globalOperatingClass": 137,
            "maxEirp": [
              34.2,
              33.6
            ]
          }
        ],
        "requestId": "837994953",
        "availabilityExpireTime": "2025-11-
18T21:58:32Z",
        "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
      }
    ],
    "version": "1.4"
}
```


1.3.4 CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_160MHz_10628_1


```
############################  2025-11-
17T22:05:31Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1261",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1256979161",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
```

```
      "majorAxis": 1,
      "minorAxis": 1,
      "orientation": 0
    },
    "elevation": {
      "height": 8.0,
      "heightType": "AMSL",
      "verticalUncertainty": 8
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-17T22:05:31Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 13.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
```

```
    "maxPsd": 21.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 17.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 9.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 19.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 16.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 19.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 21.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 22.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 21.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 18.9
  },
  {
```

```
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 10.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 18.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 9.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 17.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 11.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 15.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 9.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 16.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
```

```
    },
    "maxPsd": 12.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 15.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 11.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 19.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 21.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 20.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 19.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 10.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 14.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 17.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 19.6
  },
```

```
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 11.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 17.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 10.0
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        26.9,
        25.5,
        34.0,
        30.9,
```

```
      22.6,
      31.8,
      32.4,
      29.5,
      32.5,
      32.3,
      34.7,
      35.0,
      34.6,
      31.9,
      22.2,
      23.9,
      31.2,
      22.0,
      30.7,
      30.1,
      24.0,
      28.3,
      22.5,
      29.0,
      27.3,
      25.4,
      31.5,
      28.6,
      24.0,
      32.9,
      34.7,
      33.9,
      32.2,
      23.9,
      27.4,
      30.5,
      32.6,
      24.5,
      30.3,
      32.3,
      23.0
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      28.5,
      33.9,
      25.6,
      32.5,
      35.3,
      36.0,
      34.9,
      25.2,
      25.0,
      33.1,
      27.0,
      25.5,
      28.4,
      27.0,
      35.9,
      35.2,
```

```
            26.9,
            33.5,
            27.5,
            26.0
          ]
        },
        {
          "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
          ],
          "globalOperatingClass": 133,
          "maxEirp": [
            31.5,
            28.6,
            36.0,
            28.2,
            28.0,
            28.5,
            30.0,
            29.9,
            30.5
          ]
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            31.6,
            31.2,
            31.0,
            32.9
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            34.3,
            34.1
          ]
        }
      ],
      "requestId": "1256979161",
      "availabilityExpireTime": "2025-11-18T22:05:31Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-17T22:05:41Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
```

```
    "Content-Length": "1260",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1267055005",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-17T22:05:41Z ############################
{
  "availableSpectrumInquiryResponses": [
    {
```

```
"response": {
  "responseCode": 0,
  "shortDescription": "SUCCESS"
},
"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 5965,
      "lowFrequency": 5945
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 12.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 21.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 17.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 9.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 19.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 16.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 19.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
```

```
      "maxPsd": 21.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 22.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 21.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 18.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 9.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 10.9
    },
    {
      "frequencyRange": {
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        "lowFrequency": 6265
      },
      "maxPsd": 18.2
    },
    {
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        "lowFrequency": 6285
      },
      "maxPsd": 9.0
    },
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      "maxPsd": 17.7
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    {
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        "lowFrequency": 6405
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      },
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        "lowFrequency": 6545
      },
      "maxPsd": 12.4
    },
    {
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        "lowFrequency": 6565
      },
      "maxPsd": 18.5
    },
    {
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        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 15.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 11.0
    },
    {
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        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 19.9
    },
    {
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        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 21.7
    },
    {
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        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 20.9
    },
    {
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        "lowFrequency": 6685
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      "maxPsd": 19.2
    },
    {
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        "lowFrequency": 6705
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    },
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  },
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      "lowFrequency": 6785
    },
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    "maxPsd": 10.0
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      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
    ],
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      30.9,
      22.6,
      31.8,
      32.4,
      29.5,
      32.5,
      32.3,
      34.7,
      35.0,
      34.6,
      31.9,
      22.2,
      23.9,
      31.2,
      22.0,
      30.7,
      30.1,
      24.0,
      28.3,
      22.5,
      29.0,
      27.3,
      25.4,
      31.5,
      28.6,
      24.0,
      32.9,
      34.7,
      33.9,
      32.2,
      23.9,
      27.4,
      30.5,
      32.6,
      24.5,
      30.3,
      32.3,
      23.0
    ]
  },
  {
    "channelCfi": [
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      11,
      19,
      27,
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      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
```

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        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
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        33.9,
        25.6,
        32.5,
        35.3,
        36.0,
        34.9,
        25.2,
        25.0,
        33.1,
        27.0,
        25.5,
        28.4,
        27.0,
        35.9,
        35.2,
        26.9,
        33.5,
        27.5,
        26.0
      ]
    },
    {
      "channelCfi": [
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        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        31.5,
        28.6,
        36.0,
        28.2,
        28.0,
        28.5,
        30.0,
        29.9,
        30.5
      ]
    },
    {
      "channelCfi": [
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        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.6,
        31.2,
        31.0,
        32.9
      ]
    },
    {
      "channelCfi": [
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        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
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        34.1
      ]
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        }
      ],
      "requestId": "1267055005",
      "availabilityExpireTime": "2025-11-
18T22:05:41Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
17T22:11:23Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1261",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1572944234",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131,
            "channelCfi": [
              1,
              5,
              9,
              13,
              17,
              21,
              25,
```

```
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
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        89,
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        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ]
    },
    {
      "globalOperatingClass": 132,
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        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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-17T22:11:23Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1260",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1608815752",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131,
            "channelCfi": [
              1,
```

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        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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-17T22:11:23Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 16.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 10.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 19.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
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        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 18.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
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      "lowFrequency": 6065
    },
    "maxPsd": 17.9
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  {
    "frequencyRange": {
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      "lowFrequency": 6085
    },
    "maxPsd": 11.9
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  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 13.6
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  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 20.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 21.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 18.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 21.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 16.1
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 12.1
},
{
  "frequencyRange": {
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    "lowFrequency": 6385
  },
  "maxPsd": 14.0
},
{
  "frequencyRange": {
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    "lowFrequency": 6405
  },
  "maxPsd": 15.0
},
{
  "frequencyRange": {
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    "lowFrequency": 6525
  },
  "maxPsd": 16.9
},
{
  "frequencyRange": {
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    "lowFrequency": 6545
  },
  "maxPsd": 9.2
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 8.0
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 19.0
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 16.8
},
{
  "frequencyRange": {
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      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 8.7
  },
  {
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      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 18.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 12.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 13.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 10.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 10.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 15.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6845,
      "lowFrequency": 6825
    },
    "maxPsd": 17.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6865,
      "lowFrequency": 6845
    },
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      "maxPsd": 12.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
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        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        29.9,
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        32.1,
        34.2,
        31.5,
        30.9,
        24.9,
        26.6,
        33.1,
        26.9,
        34.3,
        26.1,
        31.7,
        25.2,
        31.2,
        34.2,
        29.1,
        25.3,
        32.3,
        33.2,
        25.1,
        27.0,
        28.0,
        29.9,
        22.2,
        21.0,
        32.0,
        29.8,
        21.7,
```

```
        31.3,
        25.8,
        26.8,
        25.2,
        26.7,
        23.3,
        23.4,
        28.5,
        28.9,
        30.4,
        25.1
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        26.1,
        25.9,
        34.5,
        27.9,
        29.6,
        29.9,
        29.1,
        28.2,
        32.1,
        28.3,
        28.1,
        30.0,
        24.0,
        32.8,
        24.7,
        28.8,
        28.2,
        26.3,
        31.5,
        28.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.9,
        30.9,
        32.6,
        31.2,
        31.3,
        31.1,
```

```
            27.7,
            31.2,
            29.3
          ]
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            31.9,
            34.2,
            34.1,
            30.7
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            35.0,
            36.0
          ]
        }
      ],
      "requestId": "1608815752",
      "availabilityExpireTime": "2025-11-
18T22:11:23Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
17T22:11:23Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
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            "lowFrequency": 5945
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          "maxPsd": 16.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 10.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
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            "lowFrequency": 6005
          },
          "maxPsd": 19.1
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 18.5
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 17.9
},
{
  "frequencyRange": {
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    "lowFrequency": 6085
  },
  "maxPsd": 11.9
},
{
  "frequencyRange": {
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    "lowFrequency": 6105
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 20.1
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 21.3
},
{
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    "lowFrequency": 6185
  },
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},
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    "lowFrequency": 6205
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{
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},
{
  "frequencyRange": {
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    "maxPsd": 18.2
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      "lowFrequency": 6265
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      "lowFrequency": 6305
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    },
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      "lowFrequency": 6345
    },
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      "lowFrequency": 6365
    },
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    },
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      "lowFrequency": 6525
    },
    "maxPsd": 16.9
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  {
    "frequencyRange": {
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      "lowFrequency": 6545
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6565
    },
```

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    "maxPsd": 8.0
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6585
    },
    "maxPsd": 19.0
  },
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      "lowFrequency": 6605
    },
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      "lowFrequency": 6625
    },
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  {
    "frequencyRange": {
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      "lowFrequency": 6645
    },
    "maxPsd": 18.3
  },
  {
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      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 12.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.8
  },
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    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 12.2
  },
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      "lowFrequency": 6725
    },
    "maxPsd": 13.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 10.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 10.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 15.5
  },
  {
```

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      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 17.4
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    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 12.1
    }
  ],
  "availableChannelInfo": [
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      "channelCfi": [
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
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        23.1,
        22.9,
        32.1,
        34.2,
        31.5,
        30.9,
        24.9,
        26.6,
        33.1,
        26.9,
        34.3,
```

```
        26.1,
        31.7,
        25.2,
        31.2,
        34.2,
        29.1,
        25.3,
        32.3,
        33.2,
        25.1,
        27.0,
        28.0,
        29.9,
        22.2,
        21.0,
        32.0,
        29.8,
        21.7,
        31.3,
        25.8,
        26.8,
        25.2,
        26.7,
        23.3,
        23.4,
        28.5,
        28.9,
        30.4,
        25.1
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        26.1,
        25.9,
        34.5,
        27.9,
        29.6,
        29.9,
        29.1,
        28.2,
        32.1,
        28.3,
        28.1,
        30.0,
        24.0,
        32.8,
        24.7,
        28.8,
        28.2,
        26.3,
        31.5,
        28.1
      ]
    },
    {
      "channelCfi": [
```

```
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.9,
        30.9,
        32.6,
        31.2,
        31.3,
        31.1,
        27.7,
        31.2,
        29.3
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.9,
        34.2,
        34.1,
        30.7
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        35.0,
        36.0
      ]
    }
  ],
  "requestId": "1608815752",
  "availabilityExpireTime": "2025-11-18T22:11:23Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}

############################ 2025-11-17T22:11:25Z
############################
{
 "headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.5.40",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "1261",
  "Connection": "Keep-Alive"
 },
 "body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
   {
    "requestId": "1583215891",
```

```
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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,
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        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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################  2025-11-17T22:11:25Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
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      "lowFrequency": 5945
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 10.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 19.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 21.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 17.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 13.6
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  {
    "frequencyRange": {
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      "lowFrequency": 6125
    },
    "maxPsd": 20.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 21.3
```

```
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6185
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 18.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 21.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 16.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 12.3
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6325
    },
    "maxPsd": 19.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 20.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 12.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
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    },
    "maxPsd": 14.0
  },
  {
    "frequencyRange": {
```

```
      "highFrequency": 6425,
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  {
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    },
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  {
    "frequencyRange": {
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      "lowFrequency": 6545
    },
    "maxPsd": 9.2
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  {
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      "lowFrequency": 6565
    },
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  },
  {
    "frequencyRange": {
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      "lowFrequency": 6585
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 16.8
  },
  {
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      "lowFrequency": 6625
    },
    "maxPsd": 8.7
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  {
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      "lowFrequency": 6645
    },
    "maxPsd": 18.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 12.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
```

```
      "maxPsd": 13.7
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    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 10.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 10.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 17.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 12.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
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        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
```

```
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
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      23.1,
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      32.1,
      34.2,
      31.5,
      30.9,
      24.9,
      26.6,
      33.1,
      26.9,
      34.3,
      26.1,
      31.7,
      25.2,
      31.2,
      34.2,
      29.1,
      25.3,
      32.3,
      33.2,
      25.1,
      27.0,
      28.0,
      29.9,
      22.2,
      21.0,
      32.0,
      29.8,
      21.7,
      31.3,
      25.8,
      26.8,
      25.2,
      26.7,
      23.3,
      23.4,
      28.5,
      28.9,
      30.4,
      25.1
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
```

```
            26.1,
            25.9,
            34.5,
            27.9,
            29.6,
            29.9,
            29.1,
            28.2,
            32.1,
            28.3,
            28.1,
            30.0,
            24.0,
            32.8,
            24.7,
            28.8,
            28.2,
            26.3,
            31.5,
            28.1
          ]
        },
        {
          "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
          ],
          "globalOperatingClass": 133,
          "maxEirp": [
            28.9,
            30.9,
            32.6,
            31.2,
            31.3,
            31.1,
            27.7,
            31.2,
            29.3
          ]
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            31.9,
            34.2,
            34.1,
            30.7
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            35.0,
            36.0
          ]
        }
      ],
      "requestId": "1583215891",
      "availabilityExpireTime": "2025-11-18T22:11:25Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
```

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

############################ 2025-11-17T22:11:26Z ############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1261",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1584493182",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
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            "lowFrequency": 5945,
            "highFrequency": 6425
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          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "inquiredChannels": [
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              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
      ]
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    {
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        11,
        19,
        27,
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        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ]
    },
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        87,
        135,
        151,
        167
      ]
    },
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    },
    {
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                63
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            }
          ],
          "minDesiredPower": 20
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      ]
    }
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############################  2025-11-17T22:11:26Z
############################
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  "availableSpectrumInquiryResponses": [
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            "lowFrequency": 5945
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          "maxPsd": 16.9
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        {
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            "lowFrequency": 5965
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        },
        {
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            "lowFrequency": 5985
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        },
        {
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            "lowFrequency": 6045
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        {
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            "lowFrequency": 6085
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          "maxPsd": 11.9
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    "maxPsd": 13.6
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    "maxPsd": 20.1
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  {
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  {
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    "lowFrequency": 6605
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},
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    "lowFrequency": 6645
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},
{
  "frequencyRange": {
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      },
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    {
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        "lowFrequency": 6685
      },
      "maxPsd": 13.8
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    {
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        "lowFrequency": 6705
      },
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    },
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    },
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    {
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    },
    {
      "frequencyRange": {
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        "lowFrequency": 6785
      },
      "maxPsd": 15.5
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    {
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        "lowFrequency": 6805
      },
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    },
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  ],
  "availableChannelInfo": [
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
```

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      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
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      125,
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      137,
      141,
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      157,
      161,
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      169,
      173,
      177,
      181
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      31.5,
      30.9,
      24.9,
      26.6,
      33.1,
      26.9,
      34.3,
      26.1,
      31.7,
      25.2,
      31.2,
      34.2,
      29.1,
      25.3,
      32.3,
      33.2,
      25.1,
      27.0,
      28.0,
      29.9,
      22.2,
      21.0,
      32.0,
      29.8,
      21.7,
      31.3,
      25.8,
      26.8,
      25.2,
      26.7,
      23.3,
      23.4,
      28.5,
      28.9,
      30.4,
      25.1
    ]
  },
  {
```

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"channelCfi": [
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  11,
  19,
  27,
  35,
  43,
  51,
  59,
  67,
  75,
  83,
  91,
  123,
  131,
  139,
  147,
  155,
  163,
  171,
  179
],
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  29.6,
  29.9,
  29.1,
  28.2,
  32.1,
  28.3,
  28.1,
  30.0,
  24.0,
  32.8,
  24.7,
  28.8,
  28.2,
  26.3,
  31.5,
  28.1
]
},
{
  "channelCfi": [
    7,
    23,
    39,
    55,
    71,
    87,
    135,
    151,
    167
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
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    30.9,
    32.6,
    31.2,
    31.3,
    31.1,
    27.7,
    31.2,
    29.3
  ]
},
{
  "channelCfi": [
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    47,
    79,
    143
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
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                31.9,
                34.2,
                34.1,
                30.7
              ]
            },
            {
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              ],
              "globalOperatingClass": 137,
              "maxEirp": [
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              ]
            }
          ],
          "requestId": "1584493182",
          "availabilityExpireTime": "2025-11-
18T22:11:26Z",
          "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
        }
      ],
      "version": "1.4"
}

############################  2025-11-
17T22:11:27Z
############################
{
   "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.40",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1261",
      "Connection": "Keep-Alive"
   },
   "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
         {
            "requestId": "1584737412",
            "deviceDescriptor": {
               "serialNumber": "2340140652",
               "certificationId": [
                  {
                     "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                     "id": "FCC_CERT_ID_1"
                  }
               ]
            },
            "location": {
               "ellipse": {
                  "center": {
                     "longitude": -90.050655,
                     "latitude": 35.138359
                  },
                  "majorAxis": 1,
                  "minorAxis": 1,
                  "orientation": 0
               },
               "elevation": {
                  "height": 8.0,
                  "heightType": "AMSL",
                  "verticalUncertainty": 8
               },
               "indoorDeployment": 2
            },
            "inquiredFrequencyRange": [
               {
                  "lowFrequency": 5945,
                  "highFrequency": 6425
               },
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    {
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      "highFrequency": 6875
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  ],
  "inquiredChannels": [
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        53,
        57,
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        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ]
    },
    {
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        19,
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        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ]
    },
    {
      "globalOperatingClass": 133,
      "channelCfi": [
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                7,
                23,
                39,
                55,
                71,
                87,
                135,
                151,
                167
              ]
            },
            {
              "globalOperatingClass": 134,
              "channelCfi": [
                15,
                47,
                79,
                143
              ]
            },
            {
              "globalOperatingClass": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-17T22:11:27Z
############################
{
  "availableSpectrumInquiryResponses": [
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  "response": {
    "responseCode": 0,
    "shortDescription": "SUCCESS"
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      "maxPsd": 16.9
    },
    {
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        "lowFrequency": 5965
      },
      "maxPsd": 10.1
    },
    {
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        "lowFrequency": 5985
      },
      "maxPsd": 9.9
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    {
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        "highFrequency": 6025,
        "lowFrequency": 6005
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    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 21.2
    },
```

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{
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  "maxPsd": 18.5
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    "lowFrequency": 6065
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    "lowFrequency": 6085
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{
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{
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    "lowFrequency": 6205
  },
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{
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    "lowFrequency": 6225
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{
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  },
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},
{
  "frequencyRange": {
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      "lowFrequency": 6265
    },
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  {
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  },
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      "lowFrequency": 6305
    },
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      "lowFrequency": 6585
    },
    "maxPsd": 19.0
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},
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  },
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},
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    "lowFrequency": 6665
  },
  "maxPsd": 12.8
},
{
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    "lowFrequency": 6685
  },
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    "lowFrequency": 6705
  },
  "maxPsd": 12.2
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{
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    "lowFrequency": 6725
  },
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  },
  "maxPsd": 15.5
},
{
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    "lowFrequency": 6805
  },
  "maxPsd": 15.9
},
{
  "frequencyRange": {
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          },
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        }
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            25,
            29,
            33,
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            137,
            141,
            145,
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            153,
            157,
            161,
            165,
            169,
            173,
            177,
            181
          ],
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            26.1,
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            31.2,
            34.2,
            29.1,
            25.3,
            32.3,
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            28.0,
            29.9,
            22.2,
            21.0,
            32.0,
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            21.7,
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            25.8,
            26.8,
            25.2,
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            23.4,
            28.5,
            28.9,
            30.4,
            25.1
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            35,
            43,
            51,
            59,
            67,
            75,
            83,
            91,
            123,
            131,
            139,
            147,
            155,
            163,
            171,
            179
          ],
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            29.9,
            29.1,
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            24.0,
            32.8,
            24.7,
            28.8,
            28.2,
            26.3,
            31.5,
            28.1
          ]
        },
        {
          "channelCfi": [
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            23,
            39,
            55,
            71,
            87,
            135,
            151,
```

```
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.9,
        30.9,
        32.6,
        31.2,
        31.3,
        31.1,
        27.7,
        31.2,
        29.3
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.9,
        34.2,
        34.1,
        30.7
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        35.0,
        36.0
      ]
    }
  ],
  "requestId": "1584737412",
  "availabilityExpireTime": "2025-11-18T22:11:27Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}

############################ 2025-11-17T22:11:29Z
############################
{
 "headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.5.40",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "1261",
  "Connection": "Keep-Alive"
 },
 "body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
   {
    "requestId": "1584953793",
    "deviceDescriptor": {
     "serialNumber": "2340140652",
     "certificationId": [
      {
       "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
       "id": "FCC_CERT_ID_1"
      }
```

```
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "longitude": -90.050655,
        "latitude": 35.138359
      },
      "majorAxis": 1,
      "minorAxis": 1,
      "orientation": 0
    },
    "elevation": {
      "height": 8.0,
      "heightType": "AMSL",
      "verticalUncertainty": 8
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "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": 137,
          "channelCfi": [
            31,
            63
          ]
        }
      ],
      "minDesiredPower": 20
    }
  ]
}

############################  2025-11-17T22:11:29Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 16.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
```

```
    },
    "maxPsd": 10.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 19.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 21.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 17.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 13.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 20.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 21.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 13.1
  },
```

```
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.2
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 16.1
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 12.1
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 14.0
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 15.0
},
{
  "frequencyRange": {
    "highFrequency": 6545,
```

```
      "lowFrequency": 6525
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 8.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 8.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 18.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 12.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 13.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 10.3
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 10.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 17.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 12.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
```

```
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      29.9,
      23.1,
      22.9,
      32.1,
      34.2,
      31.5,
      30.9,
      24.9,
      26.6,
      33.1,
      26.9,
      34.3,
      26.1,
      31.7,
      25.2,
      31.2,
      34.2,
      29.1,
      25.3,
      32.3,
      33.2,
      25.1,
      27.0,
      28.0,
      29.9,
      22.2,
      21.0,
      32.0,
      29.8,
      21.7,
      31.3,
      25.8,
      26.8,
      25.2,
      26.7,
      23.3,
      23.4,
      28.5,
      28.9,
      30.4,
      25.1
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      26.1,
      25.9,
      34.5,
      27.9,
      29.6,
      29.9,
      29.1,
      28.2,
```

```
        32.1,
        28.3,
        28.1,
        30.0,
        24.0,
        32.8,
        24.7,
        28.8,
        28.2,
        26.3,
        31.5,
        28.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.9,
        30.9,
        32.6,
        31.2,
        31.3,
        31.1,
        27.7,
        31.2,
        29.3
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.9,
        34.2,
        34.1,
        30.7
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        35.0,
        36.0
      ]
    }
  ],
  "requestId": "1584953793",
  "availabilityExpireTime": "2025-11-18T22:11:29Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}

############################ 2025-11-17T22:11:30Z
############################
{
 "headers": {
```

```
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.40",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1261",
      "Connection": "Keep-Alive"
    },
    "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
        {
          "requestId": "1585160179",
          "deviceDescriptor": {
            "serialNumber": "2340140652",
            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
              "highFrequency": 6425
            },
            {
              "lowFrequency": 6525,
              "highFrequency": 6875
            }
          ],
          "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": 137,
          "channelCfi": [
            31,
            63
          ]
        }
      ],
      "minDesiredPower": 20
    }
  ]
}
```

```
############################ 2025-11-17T22:11:30Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 16.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 10.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 19.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 21.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 18.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 17.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 11.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 13.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
```

```
      "maxPsd": 20.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 13.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 21.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 18.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 18.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 21.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 12.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 20.2
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 12.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 14.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 15.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 8.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 8.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 18.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 12.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
```

```
      },
      "maxPsd": 13.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 13.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 10.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 10.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 17.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 12.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
```

```
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
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      22.9,
      32.1,
      34.2,
      31.5,
      30.9,
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      33.1,
      26.9,
      34.3,
      26.1,
      31.7,
      25.2,
      31.2,
      34.2,
      29.1,
      25.3,
      32.3,
      33.2,
      25.1,
      27.0,
      28.0,
      29.9,
      22.2,
      21.0,
      32.0,
      29.8,
      21.7,
      31.3,
      25.8,
      26.8,
      25.2,
      26.7,
      23.3,
      23.4,
      28.5,
      28.9,
      30.4,
      25.1
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
```

```
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        26.1,
        25.9,
        34.5,
        27.9,
        29.6,
        29.9,
        29.1,
        28.2,
        32.1,
        28.3,
        28.1,
        30.0,
        24.0,
        32.8,
        24.7,
        28.8,
        28.2,
        26.3,
        31.5,
        28.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.9,
        30.9,
        32.6,
        31.2,
        31.3,
        31.1,
        27.7,
        31.2,
        29.3
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.9,
        34.2,
        34.1,
        30.7
      ]
    },
    {
      "channelCfi": [
        31,
```

```
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            35.0,
            36.0
          ]
        }
      ],
      "requestId": "1585160179",
      "availabilityExpireTime": "2025-11-
18T22:11:30Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
17T22:11:31Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1261",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1585350113",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
            "channelCfi": [
              31,
              63
            ]
          }
        ],
        "minDesiredPower": 20
      }
    ]
  }
}

############################  2025-11-17T22:11:31Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 16.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 10.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 19.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 21.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 18.5
        },
        {
          "frequencyRange": {
```

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      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 17.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 13.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 20.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 21.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 18.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 18.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 21.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
```

```
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 12.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 20.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 12.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 14.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 15.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6545,
        "lowFrequency": 6525
      },
      "maxPsd": 16.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6565,
        "lowFrequency": 6545
      },
      "maxPsd": 9.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6585,
        "lowFrequency": 6565
      },
      "maxPsd": 8.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 16.8
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 8.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 18.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 12.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 13.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 10.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 10.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 15.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6845,
      "lowFrequency": 6825
    },
    "maxPsd": 17.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6865,
      "lowFrequency": 6845
```

```
        },
        "maxPsd": 12.1
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          33,
          37,
          41,
          45,
          49,
          53,
          57,
          61,
          65,
          69,
          73,
          77,
          81,
          85,
          89,
          93,
          117,
          121,
          125,
          129,
          133,
          137,
          141,
          145,
          149,
          153,
          157,
          161,
          165,
          169,
          173,
          177,
          181
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
          29.9,
          23.1,
          22.9,
          32.1,
          34.2,
          31.5,
          30.9,
          24.9,
          26.6,
          33.1,
          26.9,
          34.3,
          26.1,
          31.7,
          25.2,
          31.2,
          34.2,
          29.1,
          25.3,
          32.3,
          33.2,
          25.1,
          27.0,
          28.0,
          29.9,
          22.2,
          21.0,
          32.0,
          29.8,
```

```
            21.7,
            31.3,
            25.8,
            26.8,
            25.2,
            26.7,
            23.3,
            23.4,
            28.5,
            28.9,
            30.4,
            25.1
        ]
    },
    {
        "channelCfi": [
            3,
            11,
            19,
            27,
            35,
            43,
            51,
            59,
            67,
            75,
            83,
            91,
            123,
            131,
            139,
            147,
            155,
            163,
            171,
            179
        ],
        "globalOperatingClass": 132,
        "maxEirp": [
            26.1,
            25.9,
            34.5,
            27.9,
            29.6,
            29.9,
            29.1,
            28.2,
            32.1,
            28.3,
            28.1,
            30.0,
            24.0,
            32.8,
            24.7,
            28.8,
            28.2,
            26.3,
            31.5,
            28.1
        ]
    },
    {
        "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            28.9,
            30.9,
            32.6,
            31.2,
            31.3,
```

```
            31.1,
            27.7,
            31.2,
            29.3
          ]
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            31.9,
            34.2,
            34.1,
            30.7
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            35.0,
            36.0
          ]
        }
      ],
      "requestId": "1585350113",
      "availabilityExpireTime": "2025-11-
18T22:11:31Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
17T22:11:32Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1261",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1585570629",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
```

```
      "minorAxis": 1,
      "orientation": 0
    },
    "elevation": {
      "height": 8.0,
      "heightType": "AMSL",
      "verticalUncertainty": 8
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "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": 137,
      "channelCfi": [
        31,
        63
```

```
        ]
      }
    ],
    "minDesiredPower": 20
  }
 ]
 }
}

############################ 2025-11-17T22:11:32Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 16.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 10.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.9
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 19.1
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 18.5
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 17.9
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 11.9
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 20.1
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 21.3
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 13.1
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
```

```
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 18.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 21.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 16.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 12.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 19.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 20.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 12.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 14.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 15.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 16.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
```

```
      "maxPsd": 9.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6585,
        "lowFrequency": 6565
      },
      "maxPsd": 8.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 16.8
    },
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        "lowFrequency": 6625
      },
      "maxPsd": 8.7
    },
    {
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        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 18.3
    },
    {
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        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 12.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 13.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 12.2
    },
    {
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        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 13.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 10.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 10.4
    },
    {
```

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      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 17.4
    },
    {
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        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 12.1
    }
  ],
  "availableChannelInfo": [
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
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        23.1,
        22.9,
        32.1,
        34.2,
```

```
        31.5,
        30.9,
        24.9,
        26.6,
        33.1,
        26.9,
        34.3,
        26.1,
        31.7,
        25.2,
        31.2,
        34.2,
        29.1,
        25.3,
        32.3,
        33.2,
        25.1,
        27.0,
        28.0,
        29.9,
        22.2,
        21.0,
        32.0,
        29.8,
        21.7,
        31.3,
        25.8,
        26.8,
        25.2,
        26.7,
        23.3,
        23.4,
        28.5,
        28.9,
        30.4,
        25.1
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        26.1,
        25.9,
        34.5,
        27.9,
        29.6,
        29.9,
        29.1,
        28.2,
        32.1,
        28.3,
        28.1,
        30.0,
        24.0,
        32.8,
        24.7,
        28.8,
        28.2,
```

```
        26.3,
        31.5,
        28.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.9,
        30.9,
        32.6,
        31.2,
        31.3,
        31.1,
        27.7,
        31.2,
        29.3
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.9,
        34.2,
        34.1,
        30.7
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        35.0,
        36.0
      ]
    }
  ],
  "requestId": "1585570629",
  "availabilityExpireTime": "2025-11-18T22:11:32Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}

############################ 2025-11-17T22:12:06Z
############################
{
 "headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.5.163",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "1260",
```

```
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1652134764",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-17T22:12:07Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
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```
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableFrequencyInfo": [
    {
      "frequencyRange": {
        "highFrequency": 5965,
        "lowFrequency": 5945
      },
      "maxPsd": 16.9
    },
    {
      "frequencyRange": {
        "highFrequency": 5985,
        "lowFrequency": 5965
      },
      "maxPsd": 10.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
      },
      "maxPsd": 9.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 19.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 21.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 18.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 17.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 11.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 13.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 20.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 13.9
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 21.3
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 13.1
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 18.7
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.2
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 16.1
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 12.1
},
{
  "frequencyRange": {
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      "highFrequency": 6405,
      "lowFrequency": 6385
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    "maxPsd": 14.0
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  {
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  },
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      "lowFrequency": 6525
    },
    "maxPsd": 16.9
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  {
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      "lowFrequency": 6545
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 8.0
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6585
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 8.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 18.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 12.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
```

```
      "maxPsd": 12.2
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    {
      "frequencyRange": {
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        "lowFrequency": 6725
      },
      "maxPsd": 13.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 10.3
    },
    {
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        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 10.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 17.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 12.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
```

```
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      29.9,
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      32.1,
      34.2,
      31.5,
      30.9,
      24.9,
      26.6,
      33.1,
      26.9,
      34.3,
      26.1,
      31.7,
      25.2,
      31.2,
      34.2,
      29.1,
      25.3,
      32.3,
      33.2,
      25.1,
      27.0,
      28.0,
      29.9,
      22.2,
      21.0,
      32.0,
      29.8,
      21.7,
      31.3,
      25.8,
      26.8,
      25.2,
      26.7,
      23.3,
      23.4,
      28.5,
      28.9,
      30.4,
      25.1
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
```

```
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
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        25.9,
        34.5,
        27.9,
        29.6,
        29.9,
        29.1,
        28.2,
        32.1,
        28.3,
        28.1,
        30.0,
        24.0,
        32.8,
        24.7,
        28.8,
        28.2,
        26.3,
        31.5,
        28.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.9,
        30.9,
        32.6,
        31.2,
        31.3,
        31.1,
        27.7,
        31.2,
        29.3
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.9,
        34.2,
        34.1,
        30.7
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        35.0,
        36.0
      ]
    }
```

```
        ],
        "requestId": "1652134764",
        "availabilityExpireTime": "2025-11-
18T22:12:07Z",
        "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
      }
   ],
   "version": "1.4"
}

############################  2025-11-
17T22:12:50Z
############################
{
   "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.40",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1261",
      "Connection": "Keep-Alive"
   },
   "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
         {
            "requestId": "1696234508",
            "deviceDescriptor": {
               "serialNumber": "2340140652",
               "certificationId": [
                  {
                     "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                     "id": "FCC_CERT_ID_1"
                  }
               ]
            },
            "location": {
               "ellipse": {
                  "center": {
                     "longitude": -90.050655,
                     "latitude": 35.138359
                  },
                  "majorAxis": 1,
                  "minorAxis": 1,
                  "orientation": 0
               },
               "elevation": {
                  "height": 8.0,
                  "heightType": "AMSL",
                  "verticalUncertainty": 8
               },
               "indoorDeployment": 2
            },
            "inquiredFrequencyRange": [
               {
                  "lowFrequency": 5945,
                  "highFrequency": 6425
               },
               {
                  "lowFrequency": 6525,
                  "highFrequency": 6875
               }
            ],
            "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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-17T22:12:50Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 16.9
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 10.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 19.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 21.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 18.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 17.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
```

```
      "lowFrequency": 6085
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 13.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 20.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 13.9
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6165
    },
    "maxPsd": 21.3
  },
  {
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      "lowFrequency": 6185
    },
    "maxPsd": 13.1
  },
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      "lowFrequency": 6205
    },
    "maxPsd": 18.7
  },
  {
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      "lowFrequency": 6225
    },
    "maxPsd": 12.2
  },
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      "lowFrequency": 6245
    },
    "maxPsd": 18.2
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  {
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      "lowFrequency": 6265
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  },
  {
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      "lowFrequency": 6285
    },
    "maxPsd": 16.1
  },
  {
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      "lowFrequency": 6305
    },
    "maxPsd": 12.3
```

```
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    },
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    },
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    },
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  },
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      "lowFrequency": 6385
    },
    "maxPsd": 14.0
  },
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    },
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  },
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      "lowFrequency": 6525
    },
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  },
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      "lowFrequency": 6545
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 8.0
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6585
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 16.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 8.7
  },
  {
    "frequencyRange": {
```

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        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 18.3
    },
    {
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        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 12.8
    },
    {
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        "lowFrequency": 6685
      },
      "maxPsd": 13.8
    },
    {
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        "lowFrequency": 6705
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
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        "lowFrequency": 6725
      },
      "maxPsd": 13.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 10.3
    },
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      "frequencyRange": {
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        "lowFrequency": 6765
      },
      "maxPsd": 10.4
    },
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        "highFrequency": 6805,
        "lowFrequency": 6785
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    },
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        "lowFrequency": 6805
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 17.4
    },
    {
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        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 12.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
```

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    5,
    9,
    13,
    17,
    21,
    25,
    29,
    33,
    37,
    41,
    45,
    49,
    53,
    57,
    61,
    65,
    69,
    73,
    77,
    81,
    85,
    89,
    93,
    117,
    121,
    125,
    129,
    133,
    137,
    141,
    145,
    149,
    153,
    157,
    161,
    165,
    169,
    173,
    177,
    181
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
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    23.1,
    22.9,
    32.1,
    34.2,
    31.5,
    30.9,
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    26.6,
    33.1,
    26.9,
    34.3,
    26.1,
    31.7,
    25.2,
    31.2,
    34.2,
    29.1,
    25.3,
    32.3,
    33.2,
    25.1,
    27.0,
    28.0,
    29.9,
    22.2,
    21.0,
    32.0,
    29.8,
    21.7,
    31.3,
    25.8,
    26.8,
    25.2,
    26.7,
    23.3,
    23.4,
```

```
        28.5,
        28.9,
        30.4,
        25.1
      ]
    },
    {
      "channelCfi": [
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        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        26.1,
        25.9,
        34.5,
        27.9,
        29.6,
        29.9,
        29.1,
        28.2,
        32.1,
        28.3,
        28.1,
        30.0,
        24.0,
        32.8,
        24.7,
        28.8,
        28.2,
        26.3,
        31.5,
        28.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.9,
        30.9,
        32.6,
        31.2,
        31.3,
        31.1,
        27.7,
        31.2,
        29.3
      ]
    },
    {
      "channelCfi": [
```

```
                15,
                47,
                79,
                143
              ],
              "globalOperatingClass": 134,
              "maxEirp": [
                31.9,
                34.2,
                34.1,
                30.7
              ]
            },
            {
              "channelCfi": [
                31,
                63
              ],
              "globalOperatingClass": 137,
              "maxEirp": [
                35.0,
                36.0
              ]
            }
          ],
          "requestId": "1696234508",
          "availabilityExpireTime": "2025-11-
18T22:12:50Z",
          "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
        }
      ],
      "version": "1.4"
}
```


1.3.5 CT_AFC_SP_AP_AFCDRSA31_FrequencyChannel_320MHz_107155_1


```
############################  2025-11-
18T18:41:12Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
```

```
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1261",
      "Connection": "Keep-Alive"
    },
    "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
        {
          "requestId": "2966601238",
          "deviceDescriptor": {
            "serialNumber": "2340140652",
            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
              "highFrequency": 6425
            },
            {
              "lowFrequency": 6525,
              "highFrequency": 6875
            }
          ],
          "inquiredChannels": [
            {
              "globalOperatingClass": 131,
              "channelCfi": [
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                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
      ]
    },
    {
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        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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-18T18:41:12Z ############################
{
```

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"availableSpectrumInquiryResponses": [
  {
    "response": {
      "responseCode": 0,
      "shortDescription": "SUCCESS"
    },
    "availableFrequencyInfo": [
      {
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          "highFrequency": 5965,
          "lowFrequency": 5945
        },
        "maxPsd": 21.5
      },
      {
        "frequencyRange": {
          "highFrequency": 5985,
          "lowFrequency": 5965
        },
        "maxPsd": 17.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6005,
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        },
        "maxPsd": 10.8
      },
      {
        "frequencyRange": {
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          "lowFrequency": 6005
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      },
      {
        "frequencyRange": {
          "highFrequency": 6045,
          "lowFrequency": 6025
        },
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      },
      {
        "frequencyRange": {
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        },
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      },
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      {
        "frequencyRange": {
          "highFrequency": 6145,
          "lowFrequency": 6125
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        "maxPsd": 18.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6165,
```

```
      "lowFrequency": 6145
    },
    "maxPsd": 14.4
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6165
    },
    "maxPsd": 15.4
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6185
    },
    "maxPsd": 16.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 12.7
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6225
    },
    "maxPsd": 9.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 13.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 17.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 10.6
```

```
},
{
  "frequencyRange": {
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  "maxPsd": 6.7
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  },
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    "lowFrequency": 6525
  },
  "maxPsd": 16.7
},
{
  "frequencyRange": {
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    "lowFrequency": 6545
  },
  "maxPsd": 15.2
},
{
  "frequencyRange": {
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    "lowFrequency": 6565
  },
  "maxPsd": 13.3
},
{
  "frequencyRange": {
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    "lowFrequency": 6585
  },
  "maxPsd": 17.4
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    "lowFrequency": 6605
  },
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    "lowFrequency": 6625
  },
  "maxPsd": 19.0
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{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 12.3
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 21.6
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 11.5
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 14.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 12.8
    },
    {
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        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 20.4
    },
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        "lowFrequency": 6765
      },
      "maxPsd": 17.1
    },
    {
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        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 16.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 8.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 12.7
    }
  ],
  "availableChannelInfo": [
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      "channelCfi": [
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
```

```
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
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      27.2,
      24.1,
      28.5,
      26.3,
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      31.1,
      27.4,
      28.4,
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      25.7,
      22.2,
      26.5,
      26.7,
      30.3,
      34.8,
      27.9,
      27.9,
      23.6,
      19.7,
      29.9,
      29.7,
      28.2,
      26.3,
      30.4,
      24.3,
      32.0,
      25.3,
      34.6,
      24.5,
      27.7,
      25.8,
      33.4,
      30.1,
      25.2,
      29.5,
      21.5,
      25.7
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
```

```
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        33.9,
        26.8,
        27.1,
        29.3,
        25.3,
        30.4,
        28.7,
        25.2,
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        30.9,
        26.6,
        22.7,
        29.3,
        27.3,
        28.3,
        27.5,
        28.8,
        33.1,
        28.2,
        24.5
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        29.8,
        30.1,
        28.3,
        28.2,
        32.7,
        25.7,
        30.3,
        30.5,
        31.2
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        32.8,
        31.2,
        28.7,
        33.3
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        34.3,
```

```
                31.8
              ]
            }
          ],
          "requestId": "2966601238",
          "availabilityExpireTime": "2025-11-
19T18:41:12Z",
          "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}

############################  2025-11-
18T18:41:20Z
############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.5.163",
        "X-Forwarded-Host":
"testserver.wfatestorg.org",
        "X-Forwarded-Server":
"testserver.wfatestorg.org",
        "Content-Length": "1260",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "2979147853",
                "deviceDescriptor": {
                    "serialNumber": "353000151",
                    "certificationId": [
                        {
                            "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                            "id": "FCC_CERT_ID_1"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "longitude": -90.050655,
                            "latitude": 35.138359
                        },
                        "majorAxis": 1,
                        "minorAxis": 1,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 8.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 8
                    },
                    "indoorDeployment": 2
                },
                "inquiredFrequencyRange": [
                    {
                        "lowFrequency": 5945,
                        "highFrequency": 6425
                    },
                    {
                        "lowFrequency": 6525,
                        "highFrequency": 6875
                    }
                ],
                "inquiredChannels": [
                    {
                        "globalOperatingClass": 131,
                        "channelCfi": [
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                            5,
                            9,
                            13,
                            17,
```

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        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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-18T18:41:20Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 21.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 17.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
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        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 14.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 11.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 15.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 13.3
        },
```

```
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 21.3
},
{
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    "lowFrequency": 6105
  },
  "maxPsd": 9.3
},
{
  "frequencyRange": {
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    "lowFrequency": 6125
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
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    "lowFrequency": 6145
  },
  "maxPsd": 14.4
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{
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    "lowFrequency": 6165
  },
  "maxPsd": 15.4
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{
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    "lowFrequency": 6185
  },
  "maxPsd": 16.6
},
{
  "frequencyRange": {
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    "lowFrequency": 6205
  },
  "maxPsd": 12.7
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    "lowFrequency": 6225
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  "maxPsd": 9.2
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{
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    "lowFrequency": 6245
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{
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    "lowFrequency": 6265
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  "maxPsd": 13.7
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    "lowFrequency": 6285
  },
  "maxPsd": 17.3
},
{
  "frequencyRange": {
    "highFrequency": 6325,
```

```
      "lowFrequency": 6305
    },
    "maxPsd": 21.8
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6325
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 10.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 6.7
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6405
    },
    "maxPsd": 16.9
  },
  {
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      "lowFrequency": 6525
    },
    "maxPsd": 16.7
  },
  {
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      "lowFrequency": 6545
    },
    "maxPsd": 15.2
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6565
    },
    "maxPsd": 13.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 17.4
  },
  {
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      "lowFrequency": 6605
    },
    "maxPsd": 11.3
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6625
    },
    "maxPsd": 19.0
```

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    },
    {
      "frequencyRange": {
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        "lowFrequency": 6645
      },
      "maxPsd": 12.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 21.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 11.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 14.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 12.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 20.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 17.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 16.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 8.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 12.7
    }
  ],
  "availableChannelInfo": [
```

```
{
  "channelCfi": [
    1,
    5,
    9,
    13,
    17,
    21,
    25,
    29,
    33,
    37,
    41,
    45,
    49,
    53,
    57,
    61,
    65,
    69,
    73,
    77,
    81,
    85,
    89,
    93,
    117,
    121,
    125,
    129,
    133,
    137,
    141,
    145,
    149,
    153,
    157,
    161,
    165,
    169,
    173,
    177,
    181
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
    34.5,
    30.9,
    23.8,
    27.2,
    24.1,
    28.5,
    26.3,
    34.3,
    22.3,
    31.1,
    27.4,
    28.4,
    29.6,
    25.7,
    22.2,
    26.5,
    26.7,
    30.3,
    34.8,
    27.9,
    27.9,
    23.6,
    19.7,
    29.9,
    29.7,
    28.2,
    26.3,
    30.4,
    24.3,
    32.0,
    25.3,
    34.6,
    24.5,
    27.7,
```

```
            25.8,
            33.4,
            30.1,
            25.2,
            29.5,
            21.5,
            25.7
          ]
        },
        {
          "channelCfi": [
            3,
            11,
            19,
            27,
            35,
            43,
            51,
            59,
            67,
            75,
            83,
            91,
            123,
            131,
            139,
            147,
            155,
            163,
            171,
            179
          ],
          "globalOperatingClass": 132,
          "maxEirp": [
            33.9,
            26.8,
            27.1,
            29.3,
            25.3,
            30.4,
            28.7,
            25.2,
            29.7,
            30.9,
            26.6,
            22.7,
            29.3,
            27.3,
            28.3,
            27.5,
            28.8,
            33.1,
            28.2,
            24.5
          ]
        },
        {
          "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
          ],
          "globalOperatingClass": 133,
          "maxEirp": [
            29.8,
            30.1,
            28.3,
            28.2,
            32.7,
            25.7,
            30.3,
            30.5,
            31.2
          ]
```

```
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            32.8,
            31.2,
            28.7,
            33.3
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            34.3,
            31.8
          ]
        }
      ],
      "requestId": "2979147853",
      "availabilityExpireTime": "2025-11-
19T18:41:20Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
18T18:46:28Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1261",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "3282937048",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
```

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      "verticalUncertainty": 8
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "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": 137,
          "channelCfi": [
            31,
            63
          ]
        }
      ],
      "minDesiredPower": 20
    }
  ]
    }
}

############################ 2025-11-18T18:46:28Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 18.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 8.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
```

```
      "maxPsd": 11.3
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    {
      "frequencyRange": {
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        "lowFrequency": 6025
      },
      "maxPsd": 16.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 9.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 17.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
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      "maxPsd": 20.1
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    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 18.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 8.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 13.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 16.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 11.5
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 15.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 20.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 20.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 14.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 16.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 11.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 18.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 7.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
```

```
    },
    "maxPsd": 20.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 13.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 14.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 15.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 21.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 17.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 14.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 16.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 7.4
  },
```

```
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 8.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 11.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 19.7
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        31.5,
        25.0,
        21.6,
        24.3,
        29.3,
        22.6,
        30.3,
        26.1,
        33.1,
        31.6,
        21.8,
```

```
        26.0,
        28.9,
        29.5,
        24.5,
        28.4,
        33.6,
        33.4,
        27.9,
        27.1,
        29.0,
        24.3,
        31.2,
        24.9,
        32.5,
        20.7,
        33.2,
        26.6,
        25.2,
        27.6,
        28.8,
        31.8,
        23.8,
        34.5,
        30.1,
        27.7,
        29.3,
        20.4,
        21.1,
        24.9,
        32.7
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        28.0,
        24.6,
        25.6,
        29.1,
        34.6,
        24.8,
        31.9,
        27.5,
        36.0,
        30.1,
        27.3,
        27.9,
        23.7,
        28.2,
        30.6,
        26.8,
        33.1,
        30.7,
        23.4,
        27.9
      ]
    },
    {
```

```
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.6,
        28.6,
        27.8,
        30.5,
        33.1,
        30.3,
        31.2,
        29.8,
        26.4
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.6,
        30.8,
        33.3,
        32.8
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.7,
        33.9
      ]
    }
  ],
  "requestId": "3282937048",
  "availabilityExpireTime": "2025-11-19T18:46:28Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
 ],
 "version": "1.4"
}

############################  2025-11-18T18:46:36Z
############################
{
 "headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.5.163",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "1260",
  "Connection": "Keep-Alive"
 },
 "body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
   {
```

```
        "requestId": "3295411782",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-18T18:46:37Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
```

```
      "highFrequency": 5965,
      "lowFrequency": 5945
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 12.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 8.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 11.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 16.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 9.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 17.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 20.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 18.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 8.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
```

```
      "maxPsd": 13.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 15.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 16.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 11.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 15.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 20.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 20.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 14.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 14.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 16.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 11.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 18.2
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 7.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 20.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 13.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 14.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 15.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 10.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 21.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
```

```
    },
    "maxPsd": 17.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 14.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 16.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 7.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6845,
      "lowFrequency": 6825
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6865,
      "lowFrequency": 6845
    },
    "maxPsd": 19.7
  }
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
```

```
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      31.5,
      25.0,
      21.6,
      24.3,
      29.3,
      22.6,
      30.3,
      26.1,
      33.1,
      31.6,
      21.8,
      26.0,
      28.9,
      29.5,
      24.5,
      28.4,
      33.6,
      33.4,
      27.9,
      27.1,
      29.0,
      24.3,
      31.2,
      24.9,
      32.5,
      20.7,
      33.2,
      26.6,
      25.2,
      27.6,
      28.8,
      31.8,
      23.8,
      34.5,
      30.1,
      27.7,
      29.3,
      20.4,
      21.1,
      24.9,
      32.7
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
```

```
      "maxEirp": [
        28.0,
        24.6,
        25.6,
        29.1,
        34.6,
        24.8,
        31.9,
        27.5,
        36.0,
        30.1,
        27.3,
        27.9,
        23.7,
        28.2,
        30.6,
        26.8,
        33.1,
        30.7,
        23.4,
        27.9
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.6,
        28.6,
        27.8,
        30.5,
        33.1,
        30.3,
        31.2,
        29.8,
        26.4
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.6,
        30.8,
        33.3,
        32.8
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.7,
        33.9
      ]
    }
  ],
  "requestId": "3295411782",
  "availabilityExpireTime": "2025-11-19T18:46:37Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
```

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


1.3.6 CT_AFC_SP_AP_AFCDUSA32_ FrequencyChannel_10629_1


```
############################ 2025-11-18T21:15:34Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1260",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "3309752644",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}
```



```
############################ 2025-11-18T21:15:34Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "3309752644",
      "availabilityExpireTime": "2025-11-19T21:15:34Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```


1.3.7 CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1


```
############################ 2025-11-18T21:17:41Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
```

```
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1260",
      "Connection": "Keep-Alive"
    },
    "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
        {
          "requestId": "3436922489",
          "deviceDescriptor": {
            "serialNumber": "353000151",
            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
              "highFrequency": 6425
            },
            {
              "lowFrequency": 6525,
              "highFrequency": 6875
            }
          ],
          "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
 }
 ]
 }
}

############################  2025-11-18T21:17:41Z
############################
```

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.8
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 21.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 11.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 18.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 14.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 17.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 12.7
        },
        {
          "frequencyRange": {
```

```
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 20.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 11.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 10.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 13.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 15.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 14.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 12.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
```

```
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 11.4
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6525
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6545
    },
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  },
  {
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      "lowFrequency": 6565
    },
    "maxPsd": 14.6
  },
  {
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      "lowFrequency": 6585
    },
    "maxPsd": 19.8
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6605
    },
    "maxPsd": 17.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 14.9
  },
  {
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      "lowFrequency": 6645
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 19.3
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6685
    },
    "maxPsd": 13.2
  },
  {
```

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      },
      "maxPsd": 15.3
    },
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        "highFrequency": 6745,
        "lowFrequency": 6725
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    {
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        "lowFrequency": 6745
      },
      "maxPsd": 17.7
    },
    {
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        "lowFrequency": 6765
      },
      "maxPsd": 12.5
    },
    {
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        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 21.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 17.1
    },
    {
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        "lowFrequency": 6825
      },
      "maxPsd": 20.2
    },
    {
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        "lowFrequency": 6845
      },
      "maxPsd": 15.4
    }
  ],
  "availableChannelInfo": [
    {
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
```

```
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
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      22.9,
      24.6,
      31.4,
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      30.4,
      25.7,
      30.7,
      33.5,
      31.1,
      24.4,
      30.8,
      23.6,
      26.4,
      28.0,
      27.6,
      26.5,
      25.3,
      26.1,
      31.1,
      24.4,
      24.9,
      26.3,
      27.6,
      32.8,
      30.3,
      27.9,
      31.5,
      32.3,
      26.2,
      28.3,
      30.8,
      30.7,
      25.5,
      34.9,
      30.1,
      33.2,
      28.4
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
```

```
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        24.8,
        26.7,
        25.9,
        30.3,
        28.7,
        33.7,
        27.4,
        26.6,
        29.4,
        29.5,
        28.3,
        27.4,
        29.3,
        33.3,
        30.9,
        29.2,
        31.3,
        28.5,
        33.1,
        31.4
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.8,
        28.9,
        31.7,
        29.6,
        32.4,
        30.4,
        33.9,
        32.2,
        31.5
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.8,
        32.6,
        33.4,
        35.2
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
```

```
                33.9,
                35.7
              ]
            }
          ],
          "requestId": "3436922489",
          "availabilityExpireTime": "2025-11-
19T21:17:41Z",
          "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}

############################  2025-11-
18T21:18:51Z
############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.5.163",
        "X-Forwarded-Host":
"testserver.wfatestorg.org",
        "X-Forwarded-Server":
"testserver.wfatestorg.org",
        "Content-Length": "1260",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "3507380016",
                "deviceDescriptor": {
                    "serialNumber": "353000151",
                    "certificationId": [
                        {
                            "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                            "id": "FCC_CERT_ID_1"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "longitude": -90.050655,
                            "latitude": 35.138359
                        },
                        "majorAxis": 1,
                        "minorAxis": 1,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 8.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 8
                    },
                    "indoorDeployment": 2
                },
                "inquiredFrequencyRange": [
                    {
                        "lowFrequency": 5945,
                        "highFrequency": 6425
                    },
                    {
                        "lowFrequency": 6525,
                        "highFrequency": 6875
                    }
                ],
                "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": 137,
            "channelCfi": [
              31,
              63
            ]
          }
        ],
        "minDesiredPower": 20
      }
    ]
  }
}

############################  2025-11-18T21:18:51Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.8
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 21.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 11.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
```

```
      "maxPsd": 18.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 17.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 20.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 11.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 17.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 10.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 13.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 15.0
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 14.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 12.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6405
    },
    "maxPsd": 11.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 13.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 14.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 19.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 17.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
```

```
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 19.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 15.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 12.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 21.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 17.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6845,
      "lowFrequency": 6825
    },
    "maxPsd": 20.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6865,
      "lowFrequency": 6845
    },
    "maxPsd": 15.4
  }
```

```
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      21.8,
      34.4,
      24.7,
      23.7,
      22.9,
      24.6,
      31.4,
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      30.4,
      25.7,
      30.7,
      33.5,
      31.1,
      24.4,
      30.8,
      23.6,
      26.4,
      28.0,
      27.6,
      26.5,
      25.3,
      26.1,
      31.1,
      24.4,
      24.9,
      26.3,
      27.6,
      32.8,
      30.3,
      27.9,
      31.5,
      32.3,
```

```
        26.2,
        28.3,
        30.8,
        30.7,
        25.5,
        34.9,
        30.1,
        33.2,
        28.4
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        24.8,
        26.7,
        25.9,
        30.3,
        28.7,
        33.7,
        27.4,
        26.6,
        29.4,
        29.5,
        28.3,
        27.4,
        29.3,
        33.3,
        30.9,
        29.2,
        31.3,
        28.5,
        33.1,
        31.4
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.8,
        28.9,
        31.7,
        29.6,
        32.4,
        30.4,
        33.9,
        32.2,
```

```
            31.5
          ]
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            30.8,
            32.6,
            33.4,
            35.2
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            33.9,
            35.7
          ]
        }
      ],
      "requestId": "3507380016",
      "availabilityExpireTime": "2025-11-
19T21:18:51Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```



```
############################ 2025-11-
18T21:20:05Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1261",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "3910147988",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
```

```
    "elevation": {
      "height": 8.0,
      "heightType": "AMSL",
      "verticalUncertainty": 8
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
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        53,
        57,
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        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": 137,
          "channelCfi": [
            31,
            63
          ]
        }
      ],
            "minDesiredPower": 20
          }
        ]
      }
    }

    ############################  2025-11-18T21:20:05Z
    ############################
    {
      "availableSpectrumInquiryResponses": [
        {
          "response": {
            "responseCode": 0,
            "shortDescription": "SUCCESS"
          },
          "availableFrequencyInfo": [
            {
              "frequencyRange": {
                "highFrequency": 5965,
                "lowFrequency": 5945
              },
              "maxPsd": 8.8
            },
            {
              "frequencyRange": {
                "highFrequency": 5985,
                "lowFrequency": 5965
              },
              "maxPsd": 21.4
            },
            {
              "frequencyRange": {
                "highFrequency": 6005,
                "lowFrequency": 5985
              },
              "maxPsd": 11.7
            },
            {
              "frequencyRange": {
```

```
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 10.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 18.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 17.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 12.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 20.5
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      "lowFrequency": 6185
    },
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      "lowFrequency": 6205
    },
    "maxPsd": 11.4
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  {
    "frequencyRange": {
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      "lowFrequency": 6225
    },
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      "maxPsd": 17.8
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      "maxPsd": 10.6
    },
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        "lowFrequency": 6265
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        "lowFrequency": 6325
      },
      "maxPsd": 13.5
    },
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        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 12.3
    },
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      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 18.1
    },
    {
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        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 11.4
    },
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        "lowFrequency": 6525
      },
      "maxPsd": 11.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6565,
        "lowFrequency": 6545
      },
      "maxPsd": 13.3
    },
    {
```

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      "lowFrequency": 6565
    },
    "maxPsd": 14.6
  },
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    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 19.8
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  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 17.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 19.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.2
  },
  {
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      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 15.3
  },
  {
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      "lowFrequency": 6725
    },
    "maxPsd": 17.8
  },
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    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 12.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
```

```
      },
      "maxPsd": 21.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 17.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 20.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 15.4
    }
  ],
  "availableChannelInfo": [
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
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        85,
        89,
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        121,
        125,
        129,
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        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        21.8,
        34.4,
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        23.7,
        22.9,
        24.6,
        31.4,
        27.3,
```

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        30.4,
        25.7,
        30.7,
        33.5,
        31.1,
        24.4,
        30.8,
        23.6,
        26.4,
        28.0,
        27.6,
        26.5,
        25.3,
        26.1,
        31.1,
        24.4,
        24.9,
        26.3,
        27.6,
        32.8,
        30.3,
        27.9,
        31.5,
        32.3,
        26.2,
        28.3,
        30.8,
        30.7,
        25.5,
        34.9,
        30.1,
        33.2,
        28.4
      ]
    },
    {
      "channelCfi": [
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        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        24.8,
        26.7,
        25.9,
        30.3,
        28.7,
        33.7,
        27.4,
        26.6,
        29.4,
        29.5,
        28.3,
        27.4,
        29.3,
        33.3,
        30.9,
        29.2,
        31.3,
        28.5,
        33.1,
        31.4
```

```
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.8,
        28.9,
        31.7,
        29.6,
        32.4,
        30.4,
        33.9,
        32.2,
        31.5
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.8,
        32.6,
        33.4,
        35.2
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.9,
        35.7
      ]
    }
  ],
  "requestId": "3910147988",
  "availabilityExpireTime": "2025-11-19T21:20:05Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}

############################ 2025-11-18T21:22:38Z
############################
{
 "headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.5.40",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "1259",
  "Connection": "Keep-Alive"
 },
 "body": {
```

```
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "84009256",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-18T21:22:39Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
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"availableFrequencyInfo": [
  {
    "frequencyRange": {
      "highFrequency": 5965,
      "lowFrequency": 5945
    },
    "maxPsd": 8.8
  },
  {
    "frequencyRange": {
      "highFrequency": 5985,
      "lowFrequency": 5965
    },
    "maxPsd": 21.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6005,
      "lowFrequency": 5985
    },
    "maxPsd": 11.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6025,
      "lowFrequency": 6005
    },
    "maxPsd": 10.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 18.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 17.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 12.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
```

```
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 20.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 11.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 10.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 13.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 15.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 14.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 12.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
```

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      "maxPsd": 18.1
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    {
      "frequencyRange": {
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        "lowFrequency": 6405
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      "maxPsd": 11.4
    },
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        "lowFrequency": 6525
      },
      "maxPsd": 11.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6565,
        "lowFrequency": 6545
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6585,
        "lowFrequency": 6565
      },
      "maxPsd": 14.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 19.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 17.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 14.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 18.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 13.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 15.3
    },
    {
```

```
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 17.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 12.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 21.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 17.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 20.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 15.4
    }
  ],
  "availableChannelInfo": [
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      "channelCfi": [
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
```

```
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      21.8,
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      23.7,
      22.9,
      24.6,
      31.4,
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      25.7,
      30.7,
      33.5,
      31.1,
      24.4,
      30.8,
      23.6,
      26.4,
      28.0,
      27.6,
      26.5,
      25.3,
      26.1,
      31.1,
      24.4,
      24.9,
      26.3,
      27.6,
      32.8,
      30.3,
      27.9,
      31.5,
      32.3,
      26.2,
      28.3,
      30.8,
      30.7,
      25.5,
      34.9,
      30.1,
      33.2,
      28.4
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
```

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      ],
      "globalOperatingClass": 132,
      "maxEirp": [
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        26.7,
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        30.3,
        28.7,
        33.7,
        27.4,
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        28.3,
        27.4,
        29.3,
        33.3,
        30.9,
        29.2,
        31.3,
        28.5,
        33.1,
        31.4
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.8,
        28.9,
        31.7,
        29.6,
        32.4,
        30.4,
        33.9,
        32.2,
        31.5
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.8,
        32.6,
        33.4,
        35.2
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.9,
        35.7
      ]
    }
  ],
  "requestId": "84009256",
```

```
        "availabilityExpireTime": "2025-11-
19T21:22:38Z",
        "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
      }
   ],
   "version": "1.4"
}

############################  2025-11-
18T21:22:39Z
############################
{
   "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.40",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1259",
      "Connection": "Keep-Alive"
   },
   "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
         {
            "requestId": "84150736",
            "deviceDescriptor": {
               "serialNumber": "2340140652",
               "certificationId": [
                  {
                     "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                     "id": "FCC_CERT_ID_1"
                  }
               ]
            },
            "location": {
               "ellipse": {
                  "center": {
                     "longitude": -90.050655,
                     "latitude": 35.138359
                  },
                  "majorAxis": 1,
                  "minorAxis": 1,
                  "orientation": 0
               },
               "elevation": {
                  "height": 8.0,
                  "heightType": "AMSL",
                  "verticalUncertainty": 8
               },
               "indoorDeployment": 2
            },
            "inquiredFrequencyRange": [
               {
                  "lowFrequency": 5945,
                  "highFrequency": 6425
               },
               {
                  "lowFrequency": 6525,
                  "highFrequency": 6875
               }
            ],
            "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
      ]
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            },
            {
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              "channelCfi": [
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                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-18T21:22:40Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.8
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 21.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
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        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 9.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 11.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 18.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
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      "maxPsd": 14.3
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    {
      "frequencyRange": {
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        "lowFrequency": 6105
      },
      "maxPsd": 17.4
    },
    {
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        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 12.7
    },
    {
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        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 17.7
    },
    {
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        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 20.5
    },
    {
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        "lowFrequency": 6185
      },
      "maxPsd": 18.1
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        "lowFrequency": 6205
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    {
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        "lowFrequency": 6225
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        "lowFrequency": 6245
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    },
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        "lowFrequency": 6265
      },
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        "highFrequency": 6305,
        "lowFrequency": 6285
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      "maxPsd": 15.0
    },
    {
      "frequencyRange": {
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        "lowFrequency": 6305
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      "maxPsd": 14.6
    },
    {
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  {
    "frequencyRange": {
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      "lowFrequency": 6345
    },
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  {
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      "lowFrequency": 6385
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  {
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      "lowFrequency": 6405
    },
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  },
  {
    "frequencyRange": {
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      "lowFrequency": 6545
    },
    "maxPsd": 13.3
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6565
    },
    "maxPsd": 14.6
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6585
    },
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  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 17.3
  },
  {
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      "lowFrequency": 6625
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
```

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      },
      "maxPsd": 18.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 13.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 15.3
    },
    {
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        "lowFrequency": 6725
      },
      "maxPsd": 17.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
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    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 12.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 21.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 17.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 20.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 15.4
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
```

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        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
    ],
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    "maxEirp": [
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        24.7,
        23.7,
        22.9,
        24.6,
        31.4,
        27.3,
        30.4,
        25.7,
        30.7,
        33.5,
        31.1,
        24.4,
        30.8,
        23.6,
        26.4,
        28.0,
        27.6,
        26.5,
        25.3,
        26.1,
        31.1,
        24.4,
        24.9,
        26.3,
        27.6,
        32.8,
        30.3,
        27.9,
        31.5,
        32.3,
        26.2,
        28.3,
        30.8,
        30.7,
        25.5,
        34.9,
        30.1,
```

```
      33.2,
      28.4
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      24.8,
      26.7,
      25.9,
      30.3,
      28.7,
      33.7,
      27.4,
      26.6,
      29.4,
      29.5,
      28.3,
      27.4,
      29.3,
      33.3,
      30.9,
      29.2,
      31.3,
      28.5,
      33.1,
      31.4
    ]
  },
  {
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      135,
      151,
      167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      27.8,
      28.9,
      31.7,
      29.6,
      32.4,
      30.4,
      33.9,
      32.2,
      31.5
    ]
  },
  {
    "channelCfi": [
      15,
      47,
```

```
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            30.8,
            32.6,
            33.4,
            35.2
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            33.9,
            35.7
          ]
        }
      ],
      "requestId": "84150736",
      "availabilityExpireTime": "2025-11-
19T21:22:40Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
18T21:23:36Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1258",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83455330",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
```

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    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
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        41,
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        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,
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        11,
        19,
        27,
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        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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}
```

```
############################ 2025-11-18T21:23:36Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
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      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 8.8
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 21.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.7
        },
        {
```

```
    "frequencyRange": {
      "highFrequency": 6045,
      "lowFrequency": 6025
    },
    "maxPsd": 9.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 11.6
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6065
    },
    "maxPsd": 18.4
  },
  {
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      "lowFrequency": 6085
    },
    "maxPsd": 14.3
  },
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      "lowFrequency": 6105
    },
    "maxPsd": 17.4
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  {
    "frequencyRange": {
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      "lowFrequency": 6125
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  {
    "frequencyRange": {
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      "lowFrequency": 6145
    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 20.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6205
    },
    "maxPsd": 11.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
```

```
    },
    "maxPsd": 10.6
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  {
    "frequencyRange": {
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    },
    "maxPsd": 13.4
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6285
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  },
  {
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      "lowFrequency": 6325
    },
    "maxPsd": 13.5
  },
  {
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      "lowFrequency": 6345
    },
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  },
  {
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  },
  {
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      "lowFrequency": 6385
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      "lowFrequency": 6545
    },
    "maxPsd": 13.3
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    "frequencyRange": {
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      "lowFrequency": 6565
    },
    "maxPsd": 14.6
  },
```

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{
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  "maxPsd": 19.8
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{
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    "lowFrequency": 6605
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  "maxPsd": 17.3
},
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    "lowFrequency": 6625
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{
  "frequencyRange": {
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    "lowFrequency": 6645
  },
  "maxPsd": 18.5
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
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    "lowFrequency": 6685
  },
  "maxPsd": 13.2
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 15.3
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 17.8
},
{
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    "lowFrequency": 6745
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 12.5
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 21.9
},
{
  "frequencyRange": {
    "highFrequency": 6825,
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            "lowFrequency": 6805
          },
          "maxPsd": 17.1
        },
        {
          "frequencyRange": {
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            "lowFrequency": 6825
          },
          "maxPsd": 20.2
        },
        {
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            "lowFrequency": 6845
          },
          "maxPsd": 15.4
        }
      ],
      "availableChannelInfo": [
        {
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            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
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            57,
            61,
            65,
            69,
            73,
            77,
            81,
            85,
            89,
            93,
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            121,
            125,
            129,
            133,
            137,
            141,
            145,
            149,
            153,
            157,
            161,
            165,
            169,
            173,
            177,
            181
          ],
          "globalOperatingClass": 131,
          "maxEirp": [
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            31.4,
            27.3,
            30.4,
            25.7,
            30.7,
            33.5,
            31.1,
            24.4,
```

```
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        26.4,
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        27.6,
        26.5,
        25.3,
        26.1,
        31.1,
        24.4,
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        28.3,
        30.8,
        30.7,
        25.5,
        34.9,
        30.1,
        33.2,
        28.4
      ]
    },
    {
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        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
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        26.7,
        25.9,
        30.3,
        28.7,
        33.7,
        27.4,
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        29.5,
        28.3,
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        29.3,
        33.3,
        30.9,
        29.2,
        31.3,
        28.5,
        33.1,
        31.4
      ]
    },
    {
      "channelCfi": [
        7,
        23,
```

```
            39,
            55,
            71,
            87,
            135,
            151,
            167
         ],
         "globalOperatingClass": 133,
         "maxEirp": [
            27.8,
            28.9,
            31.7,
            29.6,
            32.4,
            30.4,
            33.9,
            32.2,
            31.5
         ]
      },
      {
         "channelCfi": [
            15,
            47,
            79,
            143
         ],
         "globalOperatingClass": 134,
         "maxEirp": [
            30.8,
            32.6,
            33.4,
            35.2
         ]
      },
      {
         "channelCfi": [
            31,
            63
         ],
         "globalOperatingClass": 137,
         "maxEirp": [
            33.9,
            35.7
         ]
      }
   ],
   "requestId": "83455330",
   "availabilityExpireTime": "2025-11-19T21:23:36Z",
   "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
  }
 ],
 "version": "1.4"
}

############################ 2025-11-18T21:23:37Z
############################
{
 "headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.5.163",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "1258",
  "Connection": "Keep-Alive"
 },
 "body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
   {
    "requestId": "83598937",
    "deviceDescriptor": {
     "serialNumber": "353000151",
```

```
            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
              "highFrequency": 6425
            },
            {
              "lowFrequency": 6525,
              "highFrequency": 6875
            }
          ],
          "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
 }
 ]
}
}

############################  2025-11-18T21:23:37Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
```

```
      "maxPsd": 8.8
    },
    {
      "frequencyRange": {
        "highFrequency": 5985,
        "lowFrequency": 5965
      },
      "maxPsd": 21.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
      },
      "maxPsd": 11.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 10.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 9.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 11.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 18.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 17.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 20.5
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 11.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 10.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 13.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 15.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 14.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 13.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 12.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
```

```
    },
    "maxPsd": 11.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 11.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 13.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 14.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 19.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 17.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 14.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 18.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 19.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 13.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 15.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 17.8
  },
```

```
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 12.5
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 21.9
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 17.1
},
{
  "frequencyRange": {
    "highFrequency": 6845,
    "lowFrequency": 6825
  },
  "maxPsd": 20.2
},
{
  "frequencyRange": {
    "highFrequency": 6865,
    "lowFrequency": 6845
  },
    "maxPsd": 15.4
  }
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
```

```
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      21.8,
      34.4,
      24.7,
      23.7,
      22.9,
      24.6,
      31.4,
      27.3,
      30.4,
      25.7,
      30.7,
      33.5,
      31.1,
      24.4,
      30.8,
      23.6,
      26.4,
      28.0,
      27.6,
      26.5,
      25.3,
      26.1,
      31.1,
      24.4,
      24.9,
      26.3,
      27.6,
      32.8,
      30.3,
      27.9,
      31.5,
      32.3,
      26.2,
      28.3,
      30.8,
      30.7,
      25.5,
      34.9,
      30.1,
      33.2,
      28.4
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      24.8,
      26.7,
```

```
        25.9,
        30.3,
        28.7,
        33.7,
        27.4,
        26.6,
        29.4,
        29.5,
        28.3,
        27.4,
        29.3,
        33.3,
        30.9,
        29.2,
        31.3,
        28.5,
        33.1,
        31.4
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        27.8,
        28.9,
        31.7,
        29.6,
        32.4,
        30.4,
        33.9,
        32.2,
        31.5
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.8,
        32.6,
        33.4,
        35.2
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.9,
        35.7
      ]
    }
  ],
  "requestId": "83598937",
  "availabilityExpireTime": "2025-11-19T21:23:37Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
```

```
}

############################  2025-11-18T21:36:21Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1259",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83526562",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
      "channelCfi": [
        31,
        63
      ]
```

```
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-18T21:37:44Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1259",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83526562",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-18T21:37:51Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1258",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83772611",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
                "channelCfi": [
                    31,
                    63
                ]
            }
        ],
        "minDesiredPower": 20
    }
  ]
 }
}

############################  2025-11-18T21:38:39Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1259",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83526562",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
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          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
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            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "inquiredChannels": [
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        29,
        33,
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        41,
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        93,
        117,
        121,
        125,
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        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
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        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ]
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        87,
        135,
        151,
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            {
              "globalOperatingClass": 137,
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      ]
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############################  2025-11-18T21:38:39Z
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        {
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            "lowFrequency": 6005
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            "lowFrequency": 6025
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        },
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          "maxPsd": 8.7
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  {
    "frequencyRange": {
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      "lowFrequency": 6565
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  {
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      "lowFrequency": 6585
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  {
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      "lowFrequency": 6605
    },
    "maxPsd": 15.6
  },
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          "maxPsd": 10.1
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            9,
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            137,
            141,
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            157,
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            165,
            169,
            173,
            177,
            181
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            26.1,
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            28.5,
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            30.8,
            30.2,
            30.2,
            34.4,
            28.3,
            35.0,
            33.7,
            30.6,
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        28.6,
        33.9,
        32.0,
        27.1,
        29.4,
        24.5,
        30.6,
        21.6,
        33.8,
        25.2,
        30.1,
        32.4,
        23.1
      ]
    },
    {
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        19,
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        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
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        29.1,
        29.2,
        35.2,
        24.1,
        27.1,
        31.5,
        32.3,
        33.2,
        33.2,
        36.0,
        31.6,
        35.0,
        30.1,
        27.5,
        24.6,
        28.2,
        26.1
      ]
    },
    {
      "channelCfi": [
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        23,
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        87,
        135,
        151,
        167
      ],
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      "maxEirp": [
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        32.2,
        27.1,
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            34.6,
            30.5,
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        {
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          ]
        },
        {
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            63
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          "globalOperatingClass": 137,
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      "availabilityExpireTime": "2025-11-
19T21:38:39Z",
      "rulesetId":
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    }
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  "version": "1.4"
}

############################  2025-11-
18T21:38:40Z
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        {
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            "lowFrequency": 6005
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        41,
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        57,
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        73,
        77,
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        137,
        141,
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        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
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        21.7,
        26.1,
        33.1,
        28.5,
        26.2,
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        24.1,
        28.5,
        31.1,
        31.8,
        29.3,
        30.8,
        30.2,
        30.2,
        34.4,
        28.3,
        35.0,
        33.7,
        30.6,
        28.6,
        33.9,
        32.0,
        27.1,
        29.4,
        24.5,
        30.6,
        21.6,
        33.8,
        25.2,
        30.1,
        32.4,
        23.1
      ]
    },
    {
      "channelCfi": [
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        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
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        29.1,
        29.2,
        35.2,
        24.1,
        27.1,
        31.5,
        32.3,
        33.2,
        33.2,
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        35.0,
        30.1,
        27.5,
        24.6,
        28.2,
        26.1
      ]
    },
```

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{
  "channelCfi": [
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    87,
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    151,
    167
  ],
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  "maxEirp": [
    28.5,
    27.7,
    32.2,
    27.1,
    34.5,
    36.0,
    34.6,
    30.5,
    27.6
  ]
},
{
  "channelCfi": [
    15,
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    143
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  "maxEirp": [
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    33.5
  ]
},
{
  "channelCfi": [
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    63
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  "globalOperatingClass": 137,
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}
],
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"availabilityExpireTime": "2025-11-19T21:38:40Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

############################ 2025-11-18T21:38:40Z ############################
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        "shortDescription": "SUCCESS"
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            "lowFrequency": 5945
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          "maxPsd": 9.5
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        {
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      "lowFrequency": 5985
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      "lowFrequency": 6005
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      "lowFrequency": 6025
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      "lowFrequency": 6045
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      "lowFrequency": 6085
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      "lowFrequency": 6165
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
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    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
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    },
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  },
  {
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      "lowFrequency": 6225
    },
    "maxPsd": 14.3
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  {
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      "lowFrequency": 6245
    },
    "maxPsd": 11.1
  },
  {
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      "lowFrequency": 6265
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    "maxPsd": 15.5
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      "lowFrequency": 6285
    },
    "maxPsd": 18.1
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  {
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    },
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  },
  {
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      "lowFrequency": 6325
    },
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      "lowFrequency": 6345
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      "lowFrequency": 6365
    },
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  },
  {
    "frequencyRange": {
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      "lowFrequency": 6385
    },
    "maxPsd": 17.2
  },
  {
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    },
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  },
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  },
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},
{
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    "lowFrequency": 6545
  },
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},
{
  "frequencyRange": {
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    "lowFrequency": 6565
  },
  "maxPsd": 20.7
},
{
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    "lowFrequency": 6585
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
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    "lowFrequency": 6625
  },
  "maxPsd": 20.9
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 19.0
},
{
  "frequencyRange": {
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    "lowFrequency": 6665
  },
  "maxPsd": 14.1
},
{
  "frequencyRange": {
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    "lowFrequency": 6685
  },
  "maxPsd": 16.4
},
{
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    "lowFrequency": 6705
  },
  "maxPsd": 11.5
},
{
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    "lowFrequency": 6725
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
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          "maxPsd": 8.6
        },
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          "frequencyRange": {
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            "lowFrequency": 6765
          },
          "maxPsd": 20.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6805,
            "lowFrequency": 6785
          },
          "maxPsd": 12.2
        },
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            "lowFrequency": 6805
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        },
        {
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            "lowFrequency": 6845
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            17,
            21,
            25,
            29,
            33,
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            57,
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            65,
            69,
            73,
            77,
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            125,
            129,
            133,
            137,
            141,
            145,
            149,
            153,
            157,
            161,
            165,
```

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      169,
      173,
      177,
      181
    ],
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      26.6,
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      32.1,
      21.7,
      26.1,
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      28.5,
      26.2,
      32.2,
      32.5,
      21.1,
      28.5,
      27.3,
      24.1,
      28.5,
      31.1,
      31.8,
      29.3,
      30.8,
      30.2,
      30.2,
      34.4,
      28.3,
      35.0,
      33.7,
      30.6,
      28.6,
      33.9,
      32.0,
      27.1,
      29.4,
      24.5,
      30.6,
      21.6,
      33.8,
      25.2,
      30.1,
      32.4,
      23.1
    ]
  },
  {
    "channelCfi": [
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      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
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      29.6,
      24.7,
      29.1,
      29.2,
```

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        24.1,
        27.1,
        31.5,
        32.3,
        33.2,
        33.2,
        36.0,
        31.6,
        35.0,
        30.1,
        27.5,
        24.6,
        28.2,
        26.1
      ]
    },
    {
      "channelCfi": [
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        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.5,
        27.7,
        32.2,
        27.1,
        34.5,
        36.0,
        34.6,
        30.5,
        27.6
      ]
    },
    {
      "channelCfi": [
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        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.7,
        30.1,
        36.0,
        33.5
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.2,
        33.2
      ]
    }
  ],
  "requestId": "83526562",
  "availabilityExpireTime": "2025-11-19T21:38:40Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}
```

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############################  2025-11-18T21:38:40Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
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          },
          "maxPsd": 13.6
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        {
          "frequencyRange": {
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            "lowFrequency": 6005
          },
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        {
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            "lowFrequency": 6025
          },
          "maxPsd": 19.1
        },
        {
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            "lowFrequency": 6045
          },
          "maxPsd": 8.7
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        {
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        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 15.5
        },
        {
          "frequencyRange": {
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            "lowFrequency": 6125
          },
          "maxPsd": 13.2
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{
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    "lowFrequency": 6145
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  "maxPsd": 19.2
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    "highFrequency": 6185,
    "lowFrequency": 6165
  },
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{
  "frequencyRange": {
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    "lowFrequency": 6185
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  "maxPsd": 8.1
},
{
  "frequencyRange": {
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    "lowFrequency": 6205
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  "maxPsd": 15.5
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    "lowFrequency": 6225
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    "lowFrequency": 6265
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{
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{
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},
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  {
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      "lowFrequency": 6405
    },
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      "lowFrequency": 6525
    },
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  },
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      "lowFrequency": 6545
    },
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  },
  {
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      "lowFrequency": 6565
    },
    "maxPsd": 20.7
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6585
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6605
    },
    "maxPsd": 15.6
  },
  {
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      "lowFrequency": 6625
    },
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      "lowFrequency": 6645
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6665
    },
    "maxPsd": 14.1
  },
  {
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      "highFrequency": 6705,
      "lowFrequency": 6685
    },
```

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        "lowFrequency": 6705
      },
      "maxPsd": 11.5
    },
    {
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        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 17.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 20.8
    },
    {
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        "lowFrequency": 6785
      },
      "maxPsd": 12.2
    },
    {
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        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 17.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 19.4
    },
    {
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        "lowFrequency": 6845
      },
      "maxPsd": 10.1
    }
  ],
  "availableChannelInfo": [
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        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
```

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      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
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      31.1,
      32.1,
      21.7,
      26.1,
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      26.2,
      32.2,
      32.5,
      21.1,
      28.5,
      27.3,
      24.1,
      28.5,
      31.1,
      31.8,
      29.3,
      30.8,
      30.2,
      30.2,
      34.4,
      28.3,
      35.0,
      33.7,
      30.6,
      28.6,
      33.9,
      32.0,
      27.1,
      29.4,
      24.5,
      30.6,
      21.6,
      33.8,
      25.2,
      30.1,
      32.4,
      23.1
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
```

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        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
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        29.6,
        24.7,
        29.1,
        29.2,
        35.2,
        24.1,
        27.1,
        31.5,
        32.3,
        33.2,
        33.2,
        36.0,
        31.6,
        35.0,
        30.1,
        27.5,
        24.6,
        28.2,
        26.1
      ]
    },
    {
      "channelCfi": [
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        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.5,
        27.7,
        32.2,
        27.1,
        34.5,
        36.0,
        34.6,
        30.5,
        27.6
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.7,
        30.1,
        36.0,
        33.5
      ]
    },
    {
      "channelCfi": [
        31,
        63
```

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            ],
            "globalOperatingClass": 137,
            "maxEirp": [
              33.2,
              33.2
            ]
          }
        ],
        "requestId": "83526562",
        "availabilityExpireTime": "2025-11-
19T21:38:40Z",
        "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
      }
    ],
    "version": "1.4"
}

############################  2025-11-
18T21:38:41Z
############################
{
    "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.40",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1259",
      "Connection": "Keep-Alive"
    },
    "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
        {
          "requestId": "83673831",
          "deviceDescriptor": {
            "serialNumber": "2340140652",
            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
              "highFrequency": 6425
            },
            {
              "lowFrequency": 6525,
              "highFrequency": 6875
            }
          ],
          "inquiredChannels": [
            {
              "globalOperatingClass": 131,
              "channelCfi": [
                1,
```

```
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        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
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        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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-18T21:38:41Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 9.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 13.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 18.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
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            "lowFrequency": 6045
          },
          "maxPsd": 8.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
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      "lowFrequency": 6065
    },
    "maxPsd": 13.1
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  {
    "frequencyRange": {
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      "lowFrequency": 6085
    },
    "maxPsd": 20.1
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      "lowFrequency": 6105
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    "maxPsd": 15.5
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      "lowFrequency": 6125
    },
    "maxPsd": 13.2
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  {
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      "lowFrequency": 6145
    },
    "maxPsd": 19.2
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  {
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      "lowFrequency": 6165
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6205
    },
    "maxPsd": 15.5
  },
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    "frequencyRange": {
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      "lowFrequency": 6225
    },
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      "lowFrequency": 6245
    },
    "maxPsd": 11.1
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  {
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      "lowFrequency": 6265
    },
    "maxPsd": 15.5
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    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 18.1
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 18.8
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 16.3
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 17.8
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 21.4
},
{
  "frequencyRange": {
    "highFrequency": 6545,
    "lowFrequency": 6525
  },
  "maxPsd": 15.3
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 22.0
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 20.7
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
```

```
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 20.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 14.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 16.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 11.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 8.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 20.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 17.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6845,
      "lowFrequency": 6825
    },
    "maxPsd": 19.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6865,
      "lowFrequency": 6845
    },
```

```
      "maxPsd": 10.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        22.5,
        31.9,
        26.6,
        31.1,
        32.1,
        21.7,
        26.1,
        33.1,
        28.5,
        26.2,
        32.2,
        32.5,
        21.1,
        28.5,
        27.3,
        24.1,
        28.5,
        31.1,
        31.8,
        29.3,
        30.8,
        30.2,
        30.2,
        34.4,
        28.3,
        35.0,
        33.7,
        30.6,
        28.6,
        33.9,
```

```
        32.0,
        27.1,
        29.4,
        24.5,
        30.6,
        21.6,
        33.8,
        25.2,
        30.1,
        32.4,
        23.1
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        25.5,
        29.6,
        24.7,
        29.1,
        29.2,
        35.2,
        24.1,
        27.1,
        31.5,
        32.3,
        33.2,
        33.2,
        36.0,
        31.6,
        35.0,
        30.1,
        27.5,
        24.6,
        28.2,
        26.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.5,
        27.7,
        32.2,
        27.1,
        34.5,
        36.0,
```

```
            34.6,
            30.5,
            27.6
          ]
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            30.7,
            30.1,
            36.0,
            33.5
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            33.2,
            33.2
          ]
        }
      ],
      "requestId": "83673831",
      "availabilityExpireTime": "2025-11-
19T21:38:41Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
18T21:38:46Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1258",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83772611",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
```

```
      "orientation": 0
    },
    "elevation": {
      "height": 8.0,
      "heightType": "AMSL",
      "verticalUncertainty": 8
    },
    "indoorDeployment": 2
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "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": 137,
      "channelCfi": [
        31,
        63
      ]
```

```
        }
      ],
      "minDesiredPower": 20
    }
  ]
 }
}

############################  2025-11-18T21:38:46Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 9.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 13.6
        },
```

```
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 19.1
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 13.1
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 20.1
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 15.5
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 13.2
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 19.2
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 15.5
},
{
  "frequencyRange": {
    "highFrequency": 6245,
```

```
      "lowFrequency": 6225
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 16.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 21.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 15.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 22.0
```

```
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 20.7
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 20.9
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 19.0
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 14.1
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 16.4
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 11.5
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 8.6
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
```

```
            "highFrequency": 6805,
            "lowFrequency": 6785
          },
          "maxPsd": 12.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6825,
            "lowFrequency": 6805
          },
          "maxPsd": 17.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6845,
            "lowFrequency": 6825
          },
          "maxPsd": 19.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6865,
            "lowFrequency": 6845
          },
          "maxPsd": 10.1
        }
      ],
      "availableChannelInfo": [
        {
          "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            81,
            85,
            89,
            93,
            117,
            121,
            125,
            129,
            133,
            137,
            141,
            145,
            149,
            153,
            157,
            161,
            165,
            169,
            173,
            177,
            181
          ],
          "globalOperatingClass": 131,
          "maxEirp": [
            22.5,
            31.9,
            26.6,
            31.1,
            32.1,
            21.7,
```

```
      26.1,
      33.1,
      28.5,
      26.2,
      32.2,
      32.5,
      21.1,
      28.5,
      27.3,
      24.1,
      28.5,
      31.1,
      31.8,
      29.3,
      30.8,
      30.2,
      30.2,
      34.4,
      28.3,
      35.0,
      33.7,
      30.6,
      28.6,
      33.9,
      32.0,
      27.1,
      29.4,
      24.5,
      30.6,
      21.6,
      33.8,
      25.2,
      30.1,
      32.4,
      23.1
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      25.5,
      29.6,
      24.7,
      29.1,
      29.2,
      35.2,
      24.1,
      27.1,
      31.5,
      32.3,
      33.2,
      33.2,
      36.0,
      31.6,
      35.0,
      30.1,
      27.5,
      24.6,
```

```
        28.2,
        26.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.5,
        27.7,
        32.2,
        27.1,
        34.5,
        36.0,
        34.6,
        30.5,
        27.6
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.7,
        30.1,
        36.0,
        33.5
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.2,
        33.2
      ]
    }
  ],
  "requestId": "83772611",
  "availabilityExpireTime": "2025-11-19T21:38:46Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}

############################ 2025-11-18T21:45:57Z
############################
{
 "headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.5.163",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "1259",
  "Connection": "Keep-Alive"
```

```
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "660502038",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-18T21:45:57Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
```

```
    "shortDescription": "SUCCESS"
  },
  "availableFrequencyInfo": [
    {
      "frequencyRange": {
        "highFrequency": 5965,
        "lowFrequency": 5945
      },
      "maxPsd": 9.5
    },
    {
      "frequencyRange": {
        "highFrequency": 5985,
        "lowFrequency": 5965
      },
      "maxPsd": 18.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
      },
      "maxPsd": 13.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 19.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 8.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 20.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 13.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 19.2
    },
```

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{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 19.5
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
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    "lowFrequency": 6205
  },
  "maxPsd": 15.5
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 14.3
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 11.1
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 15.5
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 18.8
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  "frequencyRange": {
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    "lowFrequency": 6325
  },
  "maxPsd": 16.3
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{
  "frequencyRange": {
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    "lowFrequency": 6345
  },
  "maxPsd": 17.8
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6405,
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```
      "lowFrequency": 6385
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 21.4
  },
  {
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      "lowFrequency": 6525
    },
    "maxPsd": 15.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 22.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 20.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 15.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 20.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 14.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 16.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 11.5
```

```
    },
    {
      "frequencyRange": {
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        "lowFrequency": 6725
      },
      "maxPsd": 17.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 20.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 17.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 19.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 10.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
```

```
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      22.5,
      31.9,
      26.6,
      31.1,
      32.1,
      21.7,
      26.1,
      33.1,
      28.5,
      26.2,
      32.2,
      32.5,
      21.1,
      28.5,
      27.3,
      24.1,
      28.5,
      31.1,
      31.8,
      29.3,
      30.8,
      30.2,
      30.2,
      34.4,
      28.3,
      35.0,
      33.7,
      30.6,
      28.6,
      33.9,
      32.0,
      27.1,
      29.4,
      24.5,
      30.6,
      21.6,
      33.8,
      25.2,
      30.1,
      32.4,
      23.1
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
```

```
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        25.5,
        29.6,
        24.7,
        29.1,
        29.2,
        35.2,
        24.1,
        27.1,
        31.5,
        32.3,
        33.2,
        33.2,
        36.0,
        31.6,
        35.0,
        30.1,
        27.5,
        24.6,
        28.2,
        26.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
      "globalOperatingClass": 133,
      "maxEirp": [
        28.5,
        27.7,
        32.2,
        27.1,
        34.5,
        36.0,
        34.6,
        30.5,
        27.6
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.7,
        30.1,
        36.0,
        33.5
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.2,
        33.2
      ]
    }
  ],
```

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        "requestId": "660502038",
        "availabilityExpireTime": "2025-11-
19T21:45:57Z",
        "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
      }
   ],
   "version": "1.4"
}

############################  2025-11-
18T21:46:12Z
############################
{
   "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.40",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1260",
      "Connection": "Keep-Alive"
   },
   "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
         {
            "requestId": "676101657",
            "deviceDescriptor": {
               "serialNumber": "2340140652",
               "certificationId": [
                  {
                     "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                     "id": "FCC_CERT_ID_1"
                  }
               ]
            },
            "location": {
               "ellipse": {
                  "center": {
                     "longitude": -90.050655,
                     "latitude": 35.138359
                  },
                  "majorAxis": 1,
                  "minorAxis": 1,
                  "orientation": 0
               },
               "elevation": {
                  "height": 8.0,
                  "heightType": "AMSL",
                  "verticalUncertainty": 8
               },
               "indoorDeployment": 2
            },
            "inquiredFrequencyRange": [
               {
                  "lowFrequency": 5945,
                  "highFrequency": 6425
               },
               {
                  "lowFrequency": 6525,
                  "highFrequency": 6875
               }
            ],
            "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": 137,
            "channelCfi": [
              31,
              63
            ]
          }
        ],
        "minDesiredPower": 20
      }
    ]
  }
}

############################  2025-11-18T21:46:12Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 9.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 13.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 18.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 19.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 8.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 13.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
```

```
    },
    "maxPsd": 20.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 13.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 19.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 18.8
  },
```

```
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 16.3
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 17.8
},
{
  "frequencyRange": {
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    "lowFrequency": 6365
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 17.2
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{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 21.4
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{
  "frequencyRange": {
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    "lowFrequency": 6525
  },
  "maxPsd": 15.3
},
{
  "frequencyRange": {
    "highFrequency": 6565,
    "lowFrequency": 6545
  },
  "maxPsd": 22.0
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 20.7
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 20.9
},
{
  "frequencyRange": {
    "highFrequency": 6665,
```

```
        "lowFrequency": 6645
      },
      "maxPsd": 19.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 14.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 16.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 11.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 17.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 20.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 17.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 19.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 10.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
```

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      9,                                "globalOperatingClass": 131,
      13,                               "maxEirp": [
      17,                                 22.5,
      21,                                 31.9,
      25,                                 26.6,
      29,                                 31.1,
      33,                                 32.1,
      37,                                 21.7,
      41,                                 26.1,
      45,                                 33.1,
      49,                                 28.5,
      53,                                 26.2,
      57,                                 32.2,
      61,                                 32.5,
      65,                                 21.1,
      69,                                 28.5,
      73,                                 27.3,
      77,                                 24.1,
      81,                                 28.5,
      85,                                 31.1,
      89,                                 31.8,
      93,                                 29.3,
      117,                                30.8,
      121,                                30.2,
      125,                                30.2,
      129,                                34.4,
      133,                                28.3,
      137,                                35.0,
      141,                                33.7,
      145,                                30.6,
      149,                                28.6,
      153,                                33.9,
      157,                                32.0,
      161,                                27.1,
      165,                                29.4,
      169,                                24.5,
      173,                                30.6,
      177,                                21.6,
      181                                 33.8,
    ],                                    25.2,
```

```
            30.1,
            32.4,
            23.1
          ]
        },
        {
          "channelCfi": [
            3,
            11,
            19,
            27,
            35,
            43,
            51,
            59,
            67,
            75,
            83,
            91,
            123,
            131,
            139,
            147,
            155,
            163,
            171,
            179
          ],
          "globalOperatingClass": 132,
          "maxEirp": [
            25.5,
            29.6,
            24.7,
            29.1,
            29.2,
            35.2,
            24.1,
            27.1,
            31.5,
            32.3,
            33.2,
            33.2,
            36.0,
            31.6,
            35.0,
            30.1,
            27.5,
            24.6,
            28.2,
            26.1
          ]
        },
        {
          "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
          ],
          "globalOperatingClass": 133,
          "maxEirp": [
            28.5,
            27.7,
            32.2,
            27.1,
            34.5,
            36.0,
            34.6,
            30.5,
            27.6
          ]
        },
        {
          "channelCfi": [
            15,
```

```
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            30.7,
            30.1,
            36.0,
            33.5
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            33.2,
            33.2
          ]
        }
      ],
      "requestId": "676101657",
      "availabilityExpireTime": "2025-11-
19T21:46:12Z",
      "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-
18T21:50:01Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1259",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83964617",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
```

```
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6425
  },
  {
    "lowFrequency": 6525,
    "highFrequency": 6875
  }
],
"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
    ]
  },
  {
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      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,
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              15,
              47,
              79,
              143
            ]
          },
          {
            "globalOperatingClass": 137,
            "channelCfi": [
              31,
              63
            ]
          }
        ],
        "minDesiredPower": 20
      }
    ]
  }
}
```

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############################ 2025-11-18T21:50:01Z
############################
{
  "availableSpectrumInquiryResponses": [
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      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
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      "availableFrequencyInfo": [
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          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 9.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
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        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 18.1
        },
        {
```

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    "frequencyRange": {
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      "lowFrequency": 6025
    },
    "maxPsd": 19.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 8.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6085
    },
    "maxPsd": 20.1
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6105
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6125
    },
    "maxPsd": 13.2
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6145
    },
    "maxPsd": 19.2
  },
  {
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    },
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  },
  {
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      "lowFrequency": 6185
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  {
    "frequencyRange": {
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      "lowFrequency": 6245
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      "lowFrequency": 6285
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  },
  {
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  {
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      "lowFrequency": 6325
    },
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  },
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    },
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  },
  {
    "frequencyRange": {
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      "lowFrequency": 6385
    },
    "maxPsd": 17.2
  },
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  {
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      "lowFrequency": 6545
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  },
  {
    "frequencyRange": {
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      "lowFrequency": 6565
    },
    "maxPsd": 20.7
  },
```

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{
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    "lowFrequency": 6585
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  "maxPsd": 17.6
},
{
  "frequencyRange": {
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    "lowFrequency": 6605
  },
  "maxPsd": 15.6
},
{
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    "lowFrequency": 6625
  },
  "maxPsd": 20.9
},
{
  "frequencyRange": {
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    "lowFrequency": 6645
  },
  "maxPsd": 19.0
},
{
  "frequencyRange": {
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    "lowFrequency": 6665
  },
  "maxPsd": 14.1
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 16.4
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 11.5
},
{
  "frequencyRange": {
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    "lowFrequency": 6725
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
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    "lowFrequency": 6745
  },
  "maxPsd": 8.6
},
{
  "frequencyRange": {
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    "lowFrequency": 6765
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6825,
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```
            "lowFrequency": 6805
          },
          "maxPsd": 17.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6845,
            "lowFrequency": 6825
          },
          "maxPsd": 19.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6865,
            "lowFrequency": 6845
          },
          "maxPsd": 10.1
        }
      ],
      "availableChannelInfo": [
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            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            81,
            85,
            89,
            93,
            117,
            121,
            125,
            129,
            133,
            137,
            141,
            145,
            149,
            153,
            157,
            161,
            165,
            169,
            173,
            177,
            181
          ],
          "globalOperatingClass": 131,
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            21.7,
            26.1,
            33.1,
            28.5,
            26.2,
            32.2,
            32.5,
            21.1,
            28.5,
```

```
            27.3,
            24.1,
            28.5,
            31.1,
            31.8,
            29.3,
            30.8,
            30.2,
            30.2,
            34.4,
            28.3,
            35.0,
            33.7,
            30.6,
            28.6,
            33.9,
            32.0,
            27.1,
            29.4,
            24.5,
            30.6,
            21.6,
            33.8,
            25.2,
            30.1,
            32.4,
            23.1
          ]
        },
        {
          "channelCfi": [
            3,
            11,
            19,
            27,
            35,
            43,
            51,
            59,
            67,
            75,
            83,
            91,
            123,
            131,
            139,
            147,
            155,
            163,
            171,
            179
          ],
          "globalOperatingClass": 132,
          "maxEirp": [
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            24.7,
            29.1,
            29.2,
            35.2,
            24.1,
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            32.3,
            33.2,
            33.2,
            36.0,
            31.6,
            35.0,
            30.1,
            27.5,
            24.6,
            28.2,
            26.1
          ]
        },
        {
          "channelCfi": [
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            23,
```

```
            39,
            55,
            71,
            87,
            135,
            151,
            167
          ],
          "globalOperatingClass": 133,
          "maxEirp": [
            28.5,
            27.7,
            32.2,
            27.1,
            34.5,
            36.0,
            34.6,
            30.5,
            27.6
          ]
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            30.7,
            30.1,
            36.0,
            33.5
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            33.2,
            33.2
          ]
        }
      ],
      "requestId": "83964617",
      "availabilityExpireTime": "2025-11-19T21:50:01Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-18T21:50:02Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1259",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "84130948",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
```

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            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
              "highFrequency": 6425
            },
            {
              "lowFrequency": 6525,
              "highFrequency": 6875
            }
          ],
          "inquiredChannels": [
            {
              "globalOperatingClass": 131,
              "channelCfi": [
                1,
```

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9,
13,
17,
21,
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125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181
```

```
      ]
    },
    {
      "globalOperatingClass": 132,
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        19,
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        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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
 }
 ]
}
}
```


############################ 2025-11-18T21:50:02Z ############################


```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
```

```
      "maxPsd": 9.5
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    {
      "frequencyRange": {
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        "lowFrequency": 5965
      },
      "maxPsd": 18.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6005,
        "lowFrequency": 5985
      },
      "maxPsd": 13.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 19.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 8.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 20.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 13.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 19.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 19.5
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
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    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 11.1
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  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 18.8
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6325
    },
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  {
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      "lowFrequency": 6345
    },
    "maxPsd": 17.8
  },
  {
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      "lowFrequency": 6365
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6405
```

```
    },
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      "lowFrequency": 6585
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    "maxPsd": 17.6
  },
  {
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      "lowFrequency": 6605
    },
    "maxPsd": 15.6
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6625
    },
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      "lowFrequency": 6645
    },
    "maxPsd": 19.0
  },
  {
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      "lowFrequency": 6665
    },
    "maxPsd": 14.1
  },
  {
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      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 16.4
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6705
    },
    "maxPsd": 11.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 17.6
  },
```

```
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 8.6
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 12.2
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 17.1
},
{
  "frequencyRange": {
    "highFrequency": 6845,
    "lowFrequency": 6825
  },
  "maxPsd": 19.4
},
{
  "frequencyRange": {
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    "lowFrequency": 6845
  },
    "maxPsd": 10.1
  }
],
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  {
    "channelCfi": [
      1,
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      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
    ],
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    "maxEirp": [
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      31.9,
      26.6,
      31.1,
      32.1,
      21.7,
      26.1,
      33.1,
      28.5,
      26.2,
      32.2,
      32.5,
      21.1,
      28.5,
      27.3,
      24.1,
      28.5,
      31.1,
      31.8,
      29.3,
      30.8,
      30.2,
      30.2,
      34.4,
      28.3,
      35.0,
      33.7,
      30.6,
      28.6,
      33.9,
      32.0,
      27.1,
      29.4,
      24.5,
      30.6,
      21.6,
      33.8,
      25.2,
      30.1,
      32.4,
      23.1
    ]
  },
  {
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
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      29.6,
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```
            24.7,
            29.1,
            29.2,
            35.2,
            24.1,
            27.1,
            31.5,
            32.3,
            33.2,
            33.2,
            36.0,
            31.6,
            35.0,
            30.1,
            27.5,
            24.6,
            28.2,
            26.1
          ]
        },
        {
          "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
          ],
          "globalOperatingClass": 133,
          "maxEirp": [
            28.5,
            27.7,
            32.2,
            27.1,
            34.5,
            36.0,
            34.6,
            30.5,
            27.6
          ]
        },
        {
          "channelCfi": [
            15,
            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            30.7,
            30.1,
            36.0,
            33.5
          ]
        },
        {
          "channelCfi": [
            31,
            63
          ],
          "globalOperatingClass": 137,
          "maxEirp": [
            33.2,
            33.2
          ]
        }
      ],
      "requestId": "84130948",
      "availabilityExpireTime": "2025-11-19T21:50:02Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
```

```
}

############################  2025-11-18T21:51:31Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1258",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83762818",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
      "channelCfi": [
        31,
        63
      ]
```

```
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-18T21:51:31Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 9.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 13.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 18.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 19.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 8.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 13.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 20.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
```

```
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 13.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 19.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 19.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 8.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 11.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 18.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 16.3
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 17.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 21.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6545,
      "lowFrequency": 6525
    },
    "maxPsd": 15.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6565,
      "lowFrequency": 6545
    },
    "maxPsd": 22.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6585,
      "lowFrequency": 6565
    },
    "maxPsd": 20.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 15.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 20.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
```

```
      },
      "maxPsd": 14.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 16.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 11.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 17.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 8.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 20.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 12.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 17.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 19.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 10.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
```

```
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      117,
      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      22.5,
      31.9,
      26.6,
      31.1,
      32.1,
      21.7,
      26.1,
      33.1,
      28.5,
      26.2,
      32.2,
      32.5,
      21.1,
      28.5,
      27.3,
      24.1,
      28.5,
      31.1,
      31.8,
      29.3,
      30.8,
      30.2,
      30.2,
      34.4,
      28.3,
      35.0,
      33.7,
      30.6,
      28.6,
      33.9,
      32.0,
      27.1,
      29.4,
      24.5,
      30.6,
      21.6,
      33.8,
      25.2,
      30.1,
      32.4,
      23.1
    ]
  },
  {
    "channelCfi": [
      3,
```

```
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
      25.5,
      29.6,
      24.7,
      29.1,
      29.2,
      35.2,
      24.1,
      27.1,
      31.5,
      32.3,
      33.2,
      33.2,
      36.0,
      31.6,
      35.0,
      30.1,
      27.5,
      24.6,
      28.2,
      26.1
    ]
  },
  {
    "channelCfi": [
      7,
      23,
      39,
      55,
      71,
      87,
      135,
      151,
      167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
      28.5,
      27.7,
      32.2,
      27.1,
      34.5,
      36.0,
      34.6,
      30.5,
      27.6
    ]
  },
  {
    "channelCfi": [
      15,
      47,
      79,
      143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
      30.7,
      30.1,
```

```
                36.0,
                33.5
              ]
            },
            {
              "channelCfi": [
                31,
                63
              ],
              "globalOperatingClass": 137,
              "maxEirp": [
                33.2,
                33.2
              ]
            }
          ],
          "requestId": "83762818",
          "availabilityExpireTime": "2025-11-
19T21:51:31Z",
          "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
        }
      ],
      "version": "1.4"
}

############################  2025-11-
18T21:51:32Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host":
"testserver.wfatestorg.org",
    "X-Forwarded-Server":
"testserver.wfatestorg.org",
    "Content-Length": "1258",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83908724",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
```

```
      "highFrequency": 6875
    }
  ],
  "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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-18T21:51:32Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 9.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 18.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 13.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 18.1
        },
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 19.1
        },
        {
          "frequencyRange": {
```

```
      "highFrequency": 6065,
      "lowFrequency": 6045
    },
    "maxPsd": 8.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6085,
      "lowFrequency": 6065
    },
    "maxPsd": 13.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6105,
      "lowFrequency": 6085
    },
    "maxPsd": 20.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6145,
      "lowFrequency": 6125
    },
    "maxPsd": 13.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6165,
      "lowFrequency": 6145
    },
    "maxPsd": 19.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 19.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 8.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 15.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 11.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
```

```
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 18.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 16.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 17.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 17.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 17.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 21.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6545,
        "lowFrequency": 6525
      },
      "maxPsd": 15.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6565,
        "lowFrequency": 6545
      },
      "maxPsd": 22.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6585,
        "lowFrequency": 6565
      },
      "maxPsd": 20.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 17.6
    },
    {
```

```
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 15.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 20.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 19.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 14.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6705,
      "lowFrequency": 6685
    },
    "maxPsd": 16.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6725,
      "lowFrequency": 6705
    },
    "maxPsd": 11.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6745,
      "lowFrequency": 6725
    },
    "maxPsd": 17.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 8.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },
    "maxPsd": 20.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 17.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6845,
      "lowFrequency": 6825
```

```
      },
      "maxPsd": 19.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 10.1
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
        121,
        125,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        22.5,
        31.9,
        26.6,
        31.1,
        32.1,
        21.7,
        26.1,
        33.1,
        28.5,
        26.2,
        32.2,
        32.5,
        21.1,
        28.5,
        27.3,
        24.1,
        28.5,
        31.1,
        31.8,
        29.3,
        30.8,
        30.2,
```

```
        30.2,
        34.4,
        28.3,
        35.0,
        33.7,
        30.6,
        28.6,
        33.9,
        32.0,
        27.1,
        29.4,
        24.5,
        30.6,
        21.6,
        33.8,
        25.2,
        30.1,
        32.4,
        23.1
      ]
    },
    {
      "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ],
      "globalOperatingClass": 132,
      "maxEirp": [
        25.5,
        29.6,
        24.7,
        29.1,
        29.2,
        35.2,
        24.1,
        27.1,
        31.5,
        32.3,
        33.2,
        33.2,
        36.0,
        31.6,
        35.0,
        30.1,
        27.5,
        24.6,
        28.2,
        26.1
      ]
    },
    {
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
```

```
      "globalOperatingClass": 133,
      "maxEirp": [
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        32.2,
        27.1,
        34.5,
        36.0,
        34.6,
        30.5,
        27.6
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        30.7,
        30.1,
        36.0,
        33.5
      ]
    },
    {
      "channelCfi": [
        31,
        63
      ],
      "globalOperatingClass": 137,
      "maxEirp": [
        33.2,
        33.2
      ]
    }
  ],
      "requestId": "83908724",
      "availabilityExpireTime": "2025-11-19T21:51:32Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```


1.3.8 CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1


```
############################ 2025-11-18T22:03:46Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1259",
```

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    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83353414",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "inquiredChannels": [
          {
            "globalOperatingClass": 131,
            "channelCfi": [
              1,
              5,
              9,
              13,
              17,
              21,
              25,
              29,
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              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": [
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        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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-18T22:03:46Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
```

```
    "responseCode": 0,
    "shortDescription": "SUCCESS"
  },
  "availableFrequencyInfo": [
    {
      "frequencyRange": {
        "highFrequency": 5965,
        "lowFrequency": 5945
      },
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        "lowFrequency": 5965
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    },
    {
      "frequencyRange": {
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        "lowFrequency": 5985
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
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    {
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        "lowFrequency": 6025
      },
      "maxPsd": 23
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    {
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      },
      "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
  },
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    "lowFrequency": 6325
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
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    "lowFrequency": 6385
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
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      "maxPsd": 23
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      },
      "maxPsd": 23
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    {
      "frequencyRange": {
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    },
    {
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        "lowFrequency": 6585
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
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      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
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        "lowFrequency": 6665
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      "maxPsd": 23
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    {
      "frequencyRange": {
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      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
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      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
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        "lowFrequency": 6725
      },
```

```
      "maxPsd": 23
    },
    {
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        "lowFrequency": 6745
      },
      "maxPsd": 23
    },
    {
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      },
      "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,
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149,
153,
157,
161,
165,
169,
173,
177,
181
],
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36.0,
36.0,
36.0,
36.0,
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36.0,
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36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
36.0,
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": [

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        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
      ]
    },
    {
      "channelCfi": [
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        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
      ],
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      "maxEirp": [
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        36.0,
        36.0,
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        36.0,
        36.0,
        36.0,
        36.0
      ]
    },
    {
      "channelCfi": [
        15,
        47,
        79,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        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
      ]
    }
  ],
  "requestId": "83353414",
  "availabilityExpireTime": "2025-11-19T22:03:46Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
 }
 ],
 "version": "1.4"
}

############################  2025-11-18T22:03:47Z
############################
{
 "headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
```

```
      "X-Forwarded-For": "192.168.5.40",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1259",
      "Connection": "Keep-Alive"
   },
   "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
         {
            "requestId": "83496011",
            "deviceDescriptor": {
               "serialNumber": "2340140652",
               "certificationId": [
                  {
                     "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                     "id": "FCC_CERT_ID_1"
                  }
               ]
            },
            "location": {
               "ellipse": {
                  "center": {
                     "longitude": -90.050655,
                     "latitude": 35.138359
                  },
                  "majorAxis": 1,
                  "minorAxis": 1,
                  "orientation": 0
               },
               "elevation": {
                  "height": 8.0,
                  "heightType": "AMSL",
                  "verticalUncertainty": 8
               },
               "indoorDeployment": 2
            },
            "inquiredFrequencyRange": [
               {
                  "lowFrequency": 5945,
                  "highFrequency": 6425
               },
               {
                  "lowFrequency": 6525,
                  "highFrequency": 6875
               }
            ],
            "inquiredChannels": [
               {
                  "globalOperatingClass": 131,
                  "channelCfi": [
                     1,
                     5,
                     9,
                     13,
                     17,
                     21,
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                     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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
 }
 ]
 }
}
```

```
############################  2025-11-18T22:03:47Z
############################
{
  "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,
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          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 23
```

```
  },
  {
    "frequencyRange": {
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    "frequencyRange": {
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    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6185
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6205
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6225
    },
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  },
  {
    "frequencyRange": {
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      "lowFrequency": 6245
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6285
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6305
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6325
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 23
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  {
    "frequencyRange": {
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    "maxPsd": 23
  },
  {
    "frequencyRange": {
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  {
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      "lowFrequency": 6545
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  {
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  },
  {
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      "lowFrequency": 6585
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 23
  },
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    "frequencyRange": {
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      "lowFrequency": 6625
    },
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  {
    "frequencyRange": {
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      "lowFrequency": 6645
    },
    "maxPsd": 23
  },
  {
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      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 23
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  {
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      "lowFrequency": 6685
    },
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  },
  {
    "frequencyRange": {
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      "lowFrequency": 6705
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    {
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    {
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      "maxPsd": 23
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  ],
  "availableChannelInfo": [
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        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        117,
```

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      121,
      125,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173,
      177,
      181
    ],
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    "maxEirp": [
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      36.0,
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      36.0,
      36.0,
      36.0,
      36.0,
      36.0,
      36.0,
      36.0,
      36.0
    ]
  },
  {
    "channelCfi": [
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      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      123,
      131,
      139,
      147,
```

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            155,
            163,
            171,
            179
          ],
          "globalOperatingClass": 132,
          "maxEirp": [
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            36.0,
            36.0,
            36.0,
            36.0,
            36.0
          ]
        },
        {
          "channelCfi": [
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            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
          ],
          "globalOperatingClass": 133,
          "maxEirp": [
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            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0
          ]
        },
        {
          "channelCfi": [
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            79,
            143
          ],
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            36.0,
            36.0,
            36.0,
            36.0
          ]
        }
      ],
      "requestId": "83496011",
      "availabilityExpireTime": "2025-11-19T22:03:47Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
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############################ 2025-11-18T22:04:45Z
############################
{
"headers": {
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"Accept": "*/*",
"Content-Type": "application/json",
"X-Forwarded-For": "192.168.5.163",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1258",
"Connection": "Keep-Alive"
},
"body": {
"version": "1.4",
"availableSpectrumInquiryRequests": [
{
"requestId": "82444829",
"deviceDescriptor": {
"serialNumber": "353000151",
"certificationId": [
{
"rulesetId": "US_47_CFR_PART_15_SUBPART_E",
"id": "FCC_CERT_ID_1"
}
]
},
"location": {
"ellipse": {
"center": {
"longitude": -90.050655,
"latitude": 35.138359
},
"majorAxis": 1,
"minorAxis": 1,
"orientation": 0
},
"elevation": {
"height": 8.0,
"heightType": "AMSL",
"verticalUncertainty": 8
},
"indoorDeployment": 2
},
"inquiredFrequencyRange": [
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},
{
"lowFrequency": 6525,
"highFrequency": 6875
}
],
"inquiredChannels": [
{
"globalOperatingClass": 131,
"channelCfi": [
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9,
13,
17,
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25,
29,
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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,
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        87,
        135,
        151,
        167
      ]
    },
    {
      "globalOperatingClass": 134,
      "channelCfi": [
        15,
        47,
        79,
        143
      ]
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        31,
        63
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    }
  ],
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```
        "minDesiredPower": 20
      }
    ]
  }
}

############################  2025-11-18T22:04:45Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
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          "frequencyRange": {
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            "lowFrequency": 5945
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          "maxPsd": 23
        },
        {
          "frequencyRange": {
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          "maxPsd": 23
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        {
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            "lowFrequency": 5985
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        },
        {
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        },
        {
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          },
          "maxPsd": 23
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        {
          "frequencyRange": {
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            "lowFrequency": 6045
          },
          "maxPsd": 23
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        {
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          },
          "maxPsd": 23
        },
        {
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            "lowFrequency": 6085
          },
          "maxPsd": 23
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        {
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          "maxPsd": 23
        },
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{
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    "lowFrequency": 6145
  },
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},
{
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{
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    "lowFrequency": 6345
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
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      "lowFrequency": 6365
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    "maxPsd": 23
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  {
    "frequencyRange": {
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    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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    },
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  },
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  },
  {
    "frequencyRange": {
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      "lowFrequency": 6565
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6585
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 23
  },
  {
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    },
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  },
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      },
      "maxPsd": 23
    },
    {
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        "lowFrequency": 6845
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      "maxPsd": 23
    }
  ],
  "availableChannelInfo": [
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        9,
        13,
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        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
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85,
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165,
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173,
177,
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],
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"maxEirp": [
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},
{
"channelCfi": [
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            139,
            147,
            155,
            163,
            171,
            179
          ],
          "globalOperatingClass": 132,
          "maxEirp": [
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            36.0,
            36.0,
            36.0
          ]
        },
        {
          "channelCfi": [
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          ],
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          "maxEirp": [
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            36.0,
            36.0,
            36.0,
            36.0
          ]
        },
        {
          "channelCfi": [
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            47,
            79,
            143
          ],
          "globalOperatingClass": 134,
          "maxEirp": [
            36.0,
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            36.0,
            36.0
          ]
        }
      ],
      "requestId": "82444829",
      "availabilityExpireTime": "2025-11-19T22:04:45Z",
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        "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
      }
    ],
    "version": "1.4"
}

############################  2025-11-
18T22:04:46Z
############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.5.163",
        "X-Forwarded-Host":
"testserver.wfatestorg.org",
        "X-Forwarded-Server":
"testserver.wfatestorg.org",
        "Content-Length": "1258",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "82589780",
                "deviceDescriptor": {
                    "serialNumber": "353000151",
                    "certificationId": [
                        {
                            "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                            "id": "FCC_CERT_ID_1"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "longitude": -90.050655,
                            "latitude": 35.138359
                        },
                        "majorAxis": 1,
                        "minorAxis": 1,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 8.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 8
                    },
                    "indoorDeployment": 2
                },
                "inquiredFrequencyRange": [
                    {
                        "lowFrequency": 5945,
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                    },
                    {
                        "lowFrequency": 6525,
                        "highFrequency": 6875
                    }
                ],
                "inquiredChannels": [
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                            5,
                            9,
                            13,
                            17,
                            21,
                            25,
                            29,
                            33,
                            37,
                            41,
                            45,
```

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        49,
        53,
        57,
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        77,
        81,
        85,
        89,
        93,
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        137,
        141,
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        149,
        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ]
    },
    {
      "globalOperatingClass": 132,
      "channelCfi": [
        3,
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        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": 137,
            "channelCfi": [
              31,
              63
            ]
          }
        ],
        "minDesiredPower": 20
      }
    ]
  }
}

############################  2025-11-18T22:04:46Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 23
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          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
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            "lowFrequency": 5985
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
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            "lowFrequency": 6005
          },
          "maxPsd": 23
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        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 23
        },
        {
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            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 23
        },
        {
          "frequencyRange": {
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          "maxPsd": 23
        },
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  "frequencyRange": {
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{
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  },
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{
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  },
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{
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{
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    "lowFrequency": 6305
  },
  "maxPsd": 23
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{
  "frequencyRange": {
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    "lowFrequency": 6325
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  "maxPsd": 23
},
{
  "frequencyRange": {
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      "lowFrequency": 6345
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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    },
    "maxPsd": 23
  },
  {
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    },
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      "lowFrequency": 6545
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  {
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    },
    "maxPsd": 23
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        41,
        45,
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{
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      59,
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      75,
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      91,
      123,
      131,
      139,
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      155,
      163,
      171,
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    ],
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  },
  {
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      87,
      135,
      151,
      167
    ],
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    ]
  },
  {
    "channelCfi": [
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    ],
    "globalOperatingClass": 134,
    "maxEirp": [
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      36.0,
      36.0,
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            ]
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        ],
        "requestId": "82589780",
        "availabilityExpireTime": "2025-11-
19T22:04:46Z",
        "rulesetId":
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      }
    ],
    "version": "1.4"
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############################  2025-11-
18T22:04:55Z
############################
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   "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.163",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1259",
      "Connection": "Keep-Alive"
   },
   "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
         {
            "requestId": "153909983",
            "deviceDescriptor": {
               "serialNumber": "353000151",
               "certificationId": [
                  {
                     "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                     "id": "FCC_CERT_ID_1"
                  }
               ]
            },
            "location": {
               "ellipse": {
                  "center": {
                     "longitude": -90.050655,
                     "latitude": 35.138359
                  },
                  "majorAxis": 1,
                  "minorAxis": 1,
                  "orientation": 0
               },
               "elevation": {
                  "height": 8.0,
                  "heightType": "AMSL",
                  "verticalUncertainty": 8
               },
               "indoorDeployment": 2
            },
            "inquiredFrequencyRange": [
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                  "lowFrequency": 5945,
                  "highFrequency": 6425
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               {
                  "lowFrequency": 6525,
                  "highFrequency": 6875
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            ],
            "inquiredChannels": [
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                  "channelCfi": [
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                     5,
                     9,
                     13,
                     17,
                     21,
```

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        65,
        69,
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        141,
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        149,
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        157,
        161,
        165,
        169,
        173,
        177,
        181
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        139,
        147,
        155,
        163,
        171,
        179
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        87,
        135,
        151,
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                47,
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                143
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        }
      ]
    }
}

############################  2025-11-18T22:04:56Z
############################
{
  "availableSpectrumInquiryResponses": [
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  {
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},
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    59,
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    155,
    163,
    171,
    179
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  "maxEirp": [
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    36.0,
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    36.0,
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},
{
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    135,
    151,
    167
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
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    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0,
    36.0
  ]
},
{
  "channelCfi": [
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    47,
    79,
    143
  ],
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            "maxEirp": [
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        ],
        "requestId": "153909983",
        "availabilityExpireTime": "2025-11-
19T22:04:55Z",
        "rulesetId":
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      }
    ],
    "version": "1.4"
}

############################  2025-11-
18T22:05:00Z
############################
{
    "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.40",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1260",
      "Connection": "Keep-Alive"
    },
    "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
        {
          "requestId": "158260230",
          "deviceDescriptor": {
            "serialNumber": "2340140652",
            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
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            {
              "lowFrequency": 6525,
              "highFrequency": 6875
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          ],
          "inquiredChannels": [
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              "globalOperatingClass": 131,
              "channelCfi": [
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        153,
        157,
        161,
        165,
        169,
        173,
        177,
        181
      ]
    },
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        75,
        83,
        91,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179
      ]
    },
    {
      "globalOperatingClass": 133,
      "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        135,
        151,
        167
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            ]
          },
          {
            "globalOperatingClass": 134,
            "channelCfi": [
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              79,
              143
            ]
          },
          {
            "globalOperatingClass": 137,
            "channelCfi": [
              31,
              63
            ]
          }
        ],
        "minDesiredPower": 20
      }
    ]
  }
}

############################  2025-11-18T22:05:00Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
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      "availableFrequencyInfo": [
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            "lowFrequency": 5945
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          "maxPsd": 23
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  },
  {
    "frequencyRange": {
      "highFrequency": 6125,
      "lowFrequency": 6105
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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    },
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  {
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  {
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      "lowFrequency": 6165
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    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6185
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6225
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6245
    },
    "maxPsd": 23
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  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6285
    },
    "maxPsd": 23
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
```

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      "maxPsd": 23
    },
    {
      "frequencyRange": {
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        "lowFrequency": 6325
      },
      "maxPsd": 23
    },
    {
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      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 23
    },
    {
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        "lowFrequency": 6605
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
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        "lowFrequency": 6625
      },
      "maxPsd": 23
    },
    {
```

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      "frequencyRange": {
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        "lowFrequency": 6645
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
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      "frequencyRange": {
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        "lowFrequency": 6725
      },
      "maxPsd": 23
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    {
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        "lowFrequency": 6745
      },
      "maxPsd": 23
    },
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        "lowFrequency": 6765
      },
      "maxPsd": 23
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        "lowFrequency": 6785
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        "lowFrequency": 6805
      },
      "maxPsd": 23
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    {
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        "lowFrequency": 6825
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 23
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
```

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    1,
    5,
    9,
    13,
    17,
    21,
    25,
    29,
    33,
    37,
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    49,
    53,
    57,
    61,
    65,
    69,
    73,
    77,
    81,
    85,
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    93,
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    121,
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    129,
    133,
    137,
    141,
    145,
    149,
    153,
    157,
    161,
    165,
    169,
    173,
    177,
    181
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
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    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
      ]
    },
    {
      "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,
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        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": "158260230",
        "availabilityExpireTime": "2025-11-
19T22:05:00Z",
        "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
      }
    ],
    "version": "1.4"
}

############################  2025-11-
18T22:15:15Z
############################
{
    "headers": {
      "Host": "testserver.wfatestorg.org",
      "Accept": "*/*",
      "Content-Type": "application/json",
      "X-Forwarded-For": "192.168.5.40",
      "X-Forwarded-Host":
"testserver.wfatestorg.org",
      "X-Forwarded-Server":
"testserver.wfatestorg.org",
      "Content-Length": "1259",
      "Connection": "Keep-Alive"
    },
    "body": {
      "version": "1.4",
      "availableSpectrumInquiryRequests": [
        {
          "requestId": "83432460",
          "deviceDescriptor": {
            "serialNumber": "2340140652",
            "certificationId": [
              {
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
              "highFrequency": 6425
            },
            {
              "lowFrequency": 6525,
              "highFrequency": 6875
```

```
    }
  ],
  "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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-18T22:15:15Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "83432460",
      "availabilityExpireTime": "2025-11-19T22:15:15Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-18T22:15:16Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1259",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "83580203",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
```

```
        }
      ]
    },
    "location": {
      "ellipse": {
        "center": {
          "longitude": -90.050655,
          "latitude": 35.138359
        },
        "majorAxis": 1,
        "minorAxis": 1,
        "orientation": 0
      },
      "elevation": {
        "height": 8.0,
        "heightType": "AMSL",
        "verticalUncertainty": 8
      },
      "indoorDeployment": 2
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6875
      }
    ],
    "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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
  "minDesiredPower": 20
}
]
}
}

############################ 2025-11-18T22:15:16Z ############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "83580203",
      "availabilityExpireTime": "2025-11-19T22:15:16Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```

############################ 2025-11-18T22:16:42Z
############################
{
"headers": {
"Host": "testserver.wfatestorg.org",
"Accept": "*/*",
"Content-Type": "application/json",
"X-Forwarded-For": "192.168.5.163",
"X-Forwarded-Host": "testserver.wfatestorg.org",
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1258",
"Connection": "Keep-Alive"
},
"body": {
"version": "1.4",
"availableSpectrumInquiryRequests": [
{
"requestId": "82646589",
"deviceDescriptor": {
"serialNumber": "353000151",
"certificationId": [
{
"rulesetId": "US_47_CFR_PART_15_SUBPART_E",
"id": "FCC_CERT_ID_1"
}
]
},
"location": {
"ellipse": {
"center": {
"longitude": -90.050655,
"latitude": 35.138359
},
"majorAxis": 1,
"minorAxis": 1,
"orientation": 0
},
"elevation": {
"height": 8.0,
"heightType": "AMSL",
"verticalUncertainty": 8
},
"indoorDeployment": 2
},
"inquiredFrequencyRange": [
{
"lowFrequency": 5945,
"highFrequency": 6425
},
{
"lowFrequency": 6525,
"highFrequency": 6875
}
],
"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": 137,
      "channelCfi": [
        31,
        63
      ]
    }
  ],
```

```
            "minDesiredPower": 20
          }
        ]
    }
}

############################  2025-11-18T22:16:42Z
############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [],
            "availableChannelInfo": [],
            "requestId": "82646589",
            "availabilityExpireTime": "2025-11-19T22:16:42Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}

############################  2025-11-18T22:16:43Z
############################
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.5.163",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1258",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "82812001",
                "deviceDescriptor": {
                    "serialNumber": "353000151",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "FCC_CERT_ID_1"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "longitude": -90.050655,
                            "latitude": 35.138359
                        },
                        "majorAxis": 1,
                        "minorAxis": 1,
                        "orientation": 0
                    },
                    "elevation": {
                        "height": 8.0,
                        "heightType": "AMSL",
                        "verticalUncertainty": 8
                    },
                    "indoorDeployment": 2
                },
                "inquiredFrequencyRange": [
                    {
                        "lowFrequency": 5945,
                        "highFrequency": 6425
                    },
```

```
    {
      "lowFrequency": 6525,
      "highFrequency": 6875
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
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        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
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        53,
        57,
        61,
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        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": 137,
              "channelCfi": [
                31,
                63
              ]
            }
          ],
          "minDesiredPower": 20
        }
      ]
    }
}

############################  2025-11-18T22:16:43Z
############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "82812001",
      "availabilityExpireTime": "2025-11-19T22:16:43Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}

############################  2025-11-18T22:17:51Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.163",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1259",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "242779551",
        "deviceDescriptor": {
          "serialNumber": "353000151",
          "certificationId": [
            {
```

```
                "rulesetId":
"US_47_CFR_PART_15_SUBPART_E",
                "id": "FCC_CERT_ID_1"
              }
            ]
          },
          "location": {
            "ellipse": {
              "center": {
                "longitude": -90.050655,
                "latitude": 35.138359
              },
              "majorAxis": 1,
              "minorAxis": 1,
              "orientation": 0
            },
            "elevation": {
              "height": 8.0,
              "heightType": "AMSL",
              "verticalUncertainty": 8
            },
            "indoorDeployment": 2
          },
          "inquiredFrequencyRange": [
            {
              "lowFrequency": 5945,
              "highFrequency": 6425
            },
            {
              "lowFrequency": 6525,
              "highFrequency": 6875
            }
          ],
          "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": 137,
  "channelCfi": [
    31,
    63
  ]
}
],
"minDesiredPower": 20
}
]
}
}

############################ 2025-11-18T22:17:51Z ############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "242779551",
      "availabilityExpireTime": "2025-11-19T22:17:51Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
```

```
  "version": "1.4"
}

############################  2025-11-18T22:18:00Z
############################
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.5.40",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1260",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "249105351",
        "deviceDescriptor": {
          "serialNumber": "2340140652",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_1"
            }
          ]
        },
        "location": {
          "ellipse": {
            "center": {
              "longitude": -90.050655,
              "latitude": 35.138359
            },
            "majorAxis": 1,
            "minorAxis": 1,
            "orientation": 0
          },
          "elevation": {
            "height": 8.0,
            "heightType": "AMSL",
            "verticalUncertainty": 8
          },
          "indoorDeployment": 2
        },
        "inquiredFrequencyRange": [
          {
            "lowFrequency": 5945,
            "highFrequency": 6425
          },
          {
            "lowFrequency": 6525,
            "highFrequency": 6875
          }
        ],
        "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": 137,
      "channelCfi": [
        31,
        63
```

```
                ]
              }
            ],
            "minDesiredPower": 20
          }
        ]
    }
}

############################  2025-11-
18T22:18:00Z
############################
{
   "availableSpectrumInquiryResponses": [
      {
         "response": {
            "responseCode": 0,
            "shortDescription": "SUCCESS"
         },
         "availableFrequencyInfo": [],
         "availableChannelInfo": [],
         "requestId": "249105351",
         "availabilityExpireTime": "2025-11-
19T22:18:00Z",
         "rulesetId":
"US_47_CFR_PART_15_SUBPART_E"
      }
   ],
   "version": "1.4"
}
```

-- End of Test Report --