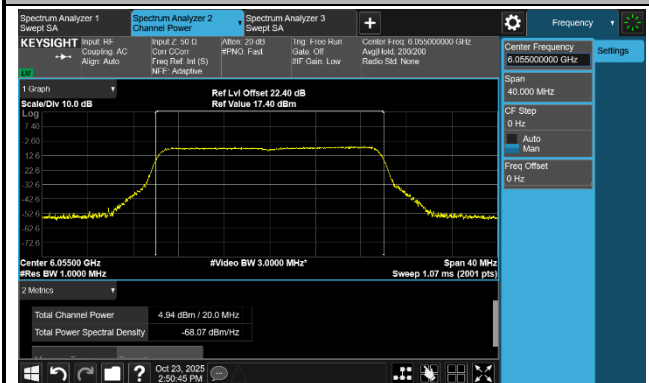
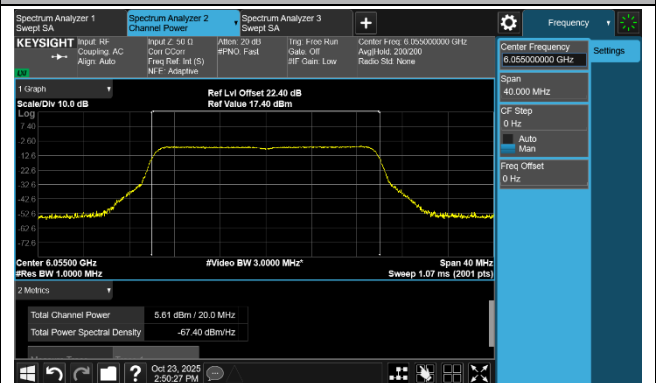


802.11be-EHT20 - Channel 21 (6055 MHz) Average Power (LPI)

Ant 0

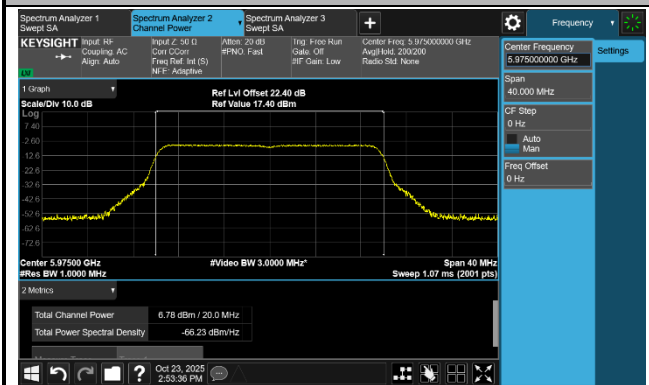


Ant 1

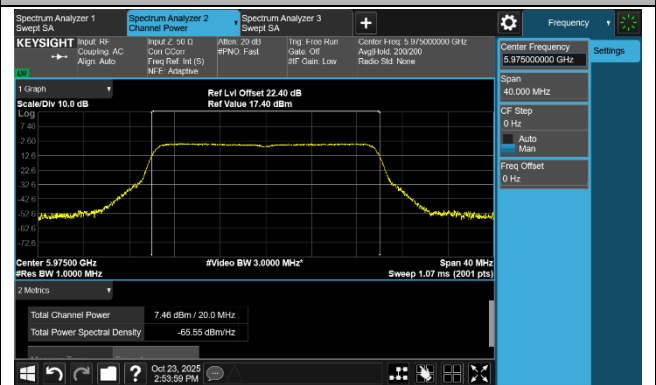


802.11be-EHT20 - Channel 5 (5975 MHz) Average Power (LPI)

Ant 0

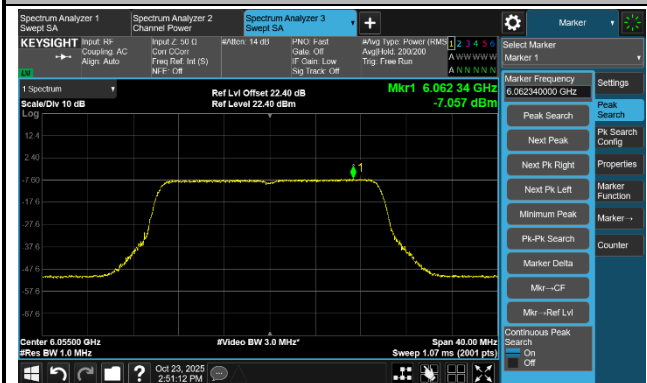


Ant 1

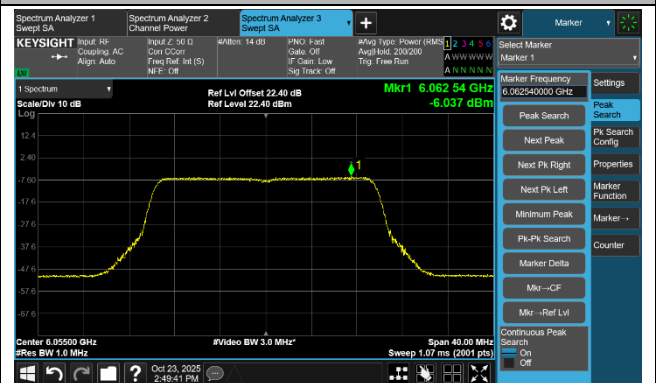


802.11be-EHT20 - Channel 21 (6055 MHz) Power Spectral Density (LPI)

Ant 0

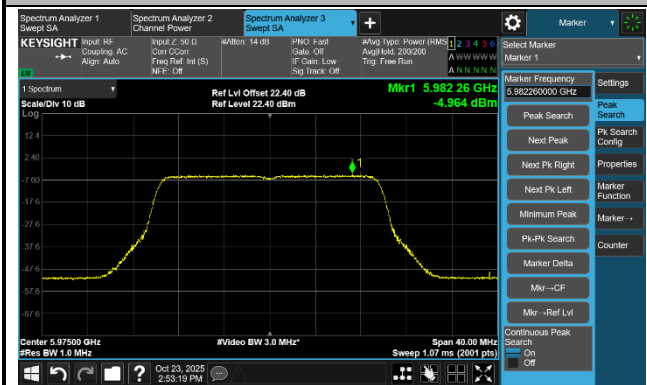


Ant 1

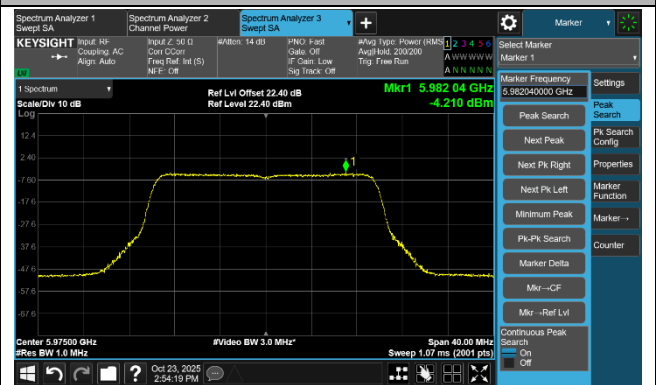


802.11be-EHT20 - Channel 5 (5975 MHz) Power Spectral Density (LPI)

Ant 0



Ant 1



2025-10-23T06:19:53Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "libcurl/7.79.1 OpenSSL/1.1.1t zlib/1.2.7 c-ares/1.15.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.1.1",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1536",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1761200344",
        "deviceDescriptor": {
          "serialNumber": "7b34364a11f44625500034ec536e9510",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FBE550V2"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "longitude": -97.560616,
              "latitude": 33.180622
            },
            "majorAxis": 30,
            "minorAxis": 30,
            "orientation": 0.0
          },
          "elevation": {
            "height": 3.1,
```

```
        "heightType": "AGL",
        "verticalUncertainty": 10
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6425
    },
    {
        "lowFrequency": 6525,
        "highFrequency": 6865
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131,
        "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
```

81,
85,
89,
93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,
201,
205,
209,
213,
217,
221,
225,
229,
233

```
    ]
  },
  {
    "globalOperatingClass": 132,
    "channelCfi": [
      3,
      11,
      19,
      27,
      35,
      43,
      51,
      59,
      67,
      75,
      83,
      91,
      99,
      107,
      115,
      123,
      131,
      139,
      147,
      155,
      163,
      171,
      179,
      187,
      195,
      203,
      211,
      219,
      227
    ]
  }
  {
    "globalOperatingClass": 133,
    "channelCfi": [
```

```
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        103,  
        119,  
        135,  
        151,  
        167,  
        183,  
        199,  
        215  
    ]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        111,  
        143,  
        175,  
        207  
    ]  
},  
{  
    "globalOperatingClass": 136,  
    "channelCfi": [  
        2  
    ]  
},  
{  
    "globalOperatingClass": 137,  
    "channelCfi": [  
        31,  
        63,
```

```

        95,
        127,
        159,
        191
    ]
}
],
    "minDesiredPower": 24
}
]
}
}

```

```

##### 2025-10-23T06:19:54Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [],
            "availableChannelInfo": [],
            "requestId": "1761200344",
            "availabilityExpireTime": "2025-10-24T06:19:54Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}

```



A.3 Successful Spectrum Access Update

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-10-23		

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	tp-link
DUT Product Model	Archer BE550

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1(Successful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1 (Successful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING(LPI limits (5 dBm/MHz PSD) , SP limits (8.2 dBm/MHz PSD, 21.2 dBm EIRP) in Spectrum Response) on channel 141 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_SP_OPERATION_2	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT transmit power in the band is less than CEILING(LPI limits (5 dBm/MHz PSD) , SP limits (21.1 dBm/MHz PSD, 34.1 dBm EIRP) in Spectrum Reponse) on channel 37 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

Test Mode	Working Mode	Channel No.	Freq. (MHz)	Average Power (dBm)		Duty Cycle (%)	EIRP (dBm)	AFC Response Limit (dBm)
				Ant 0	Ant 1			
802.11be-EHT20	LPI	61	6255	5.87	6.12	89.49	12.01	36.00
802.11be-EHT20	SD	141	6655	8.71	9.13	89.49	14.94	21.20
802.11be-EHT20	LPI	101	6455	6.75	6.86	89.49	12.82	36.00
802.11be-EHT20	SD	73	6135	20.83	21.11	89.49	26.98	34.10

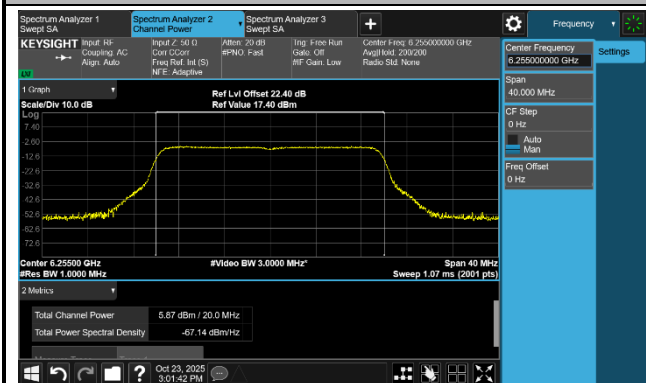
Note: EIRP (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\} + \text{Directional Gain for Power (dBi)} + 10 \cdot \log (1/\text{Duty Cycle})$.

Test Mode	Working Mode	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)
				Ant 0	Ant 1			
802.11be-EHT20	LPI	61	6255	-5.937	-5.506	89.49	3.79	5.00
802.11be-EHT20	SD	141	6655	-3.070	-2.317	89.49	6.83	8.20
802.11be-EHT20	LPI	101	6455	-5.073	-4.807	89.49	4.56	5.00
802.11be-EHT20	SD	73	6135	9.147	9.417	89.49	18.79	21.10

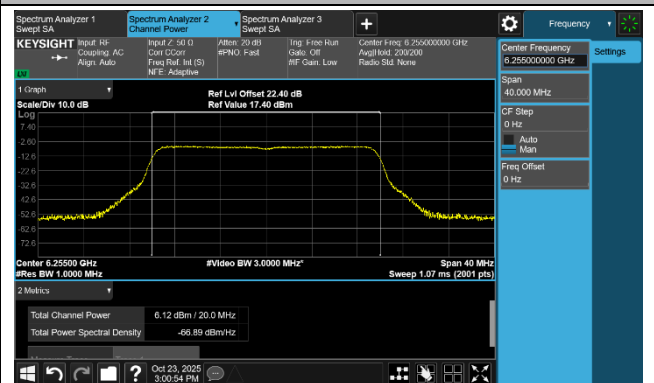
Note: EIRP PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD} / 10)} + 10^{(\text{Ant 1 PSD} / 10)}\} + 10 \cdot \log (1/\text{Duty Cycle}) + \text{Directional Gain for PSD (dBi)}$.

802.11be-EHT20 - Channel 61 (6255 MHz) Average Power (LPI)

Ant 0

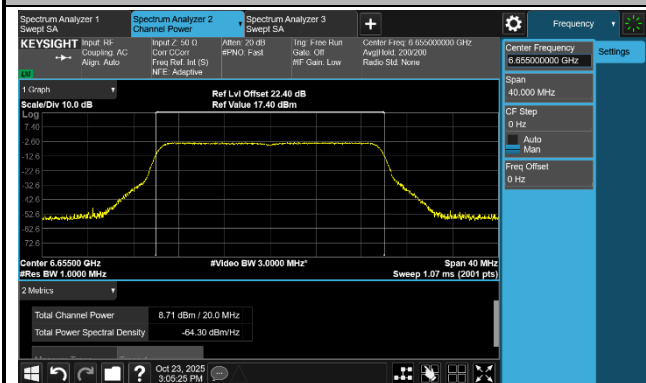


Ant 1

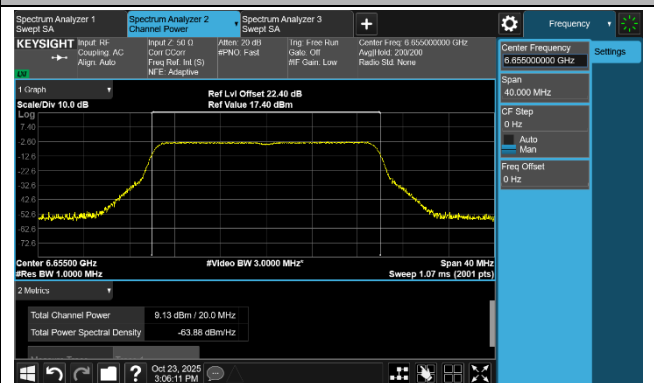


802.11be-EHT20 - Channel 141 (6655 MHz) Average Power (SD)

Ant 0

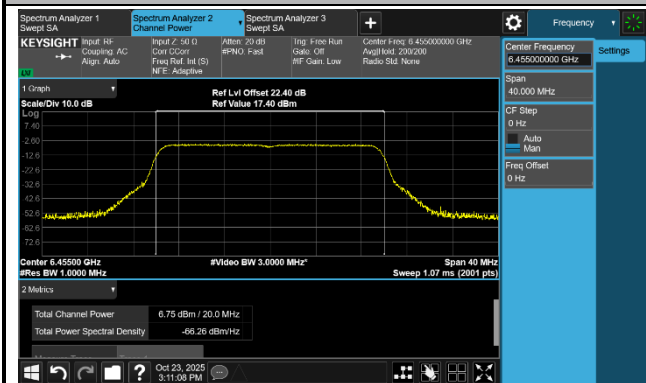


Ant 1

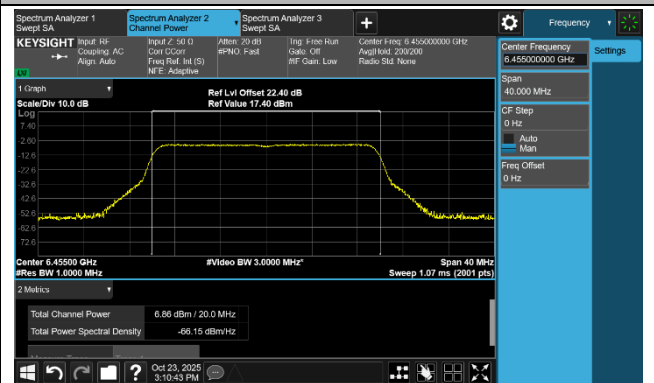


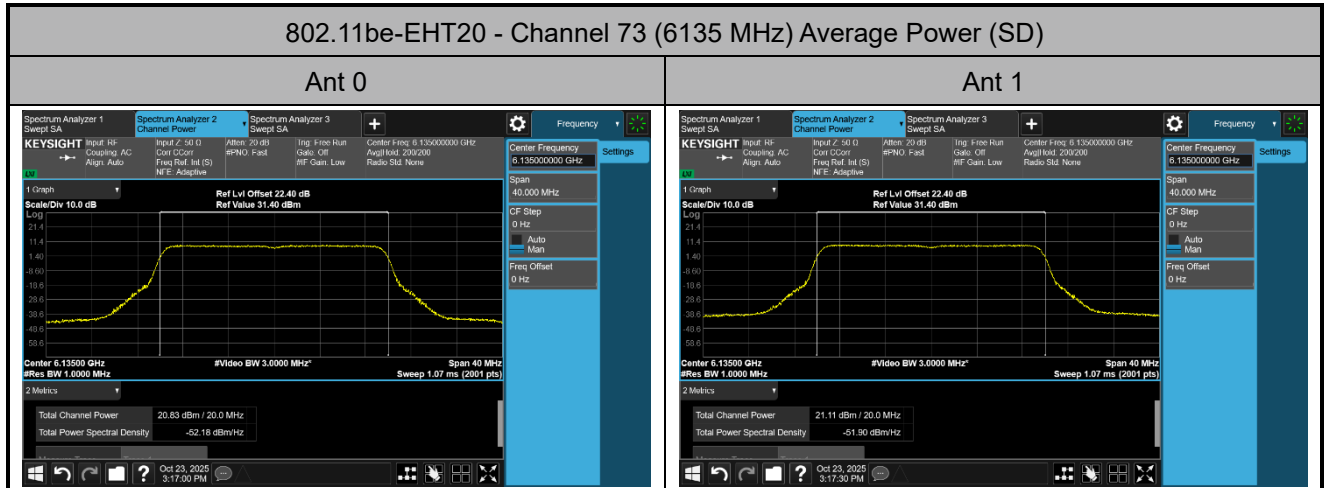
802.11be-EHT20 - Channel 101 (6455 MHz) Average Power (LPI)

Ant 0



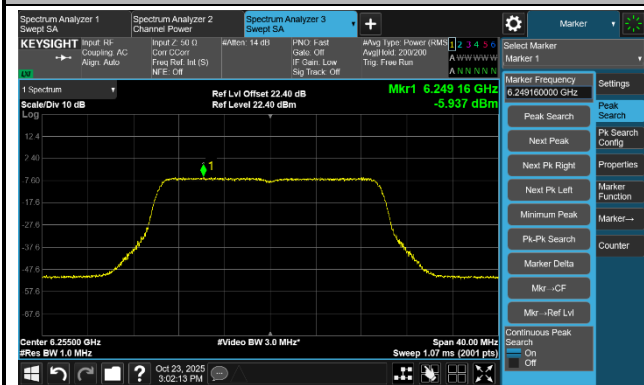
Ant 1



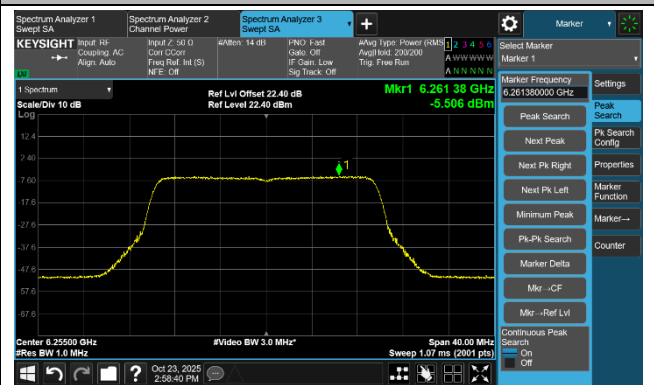


802.11be-EHT20 - Channel 61 (6255 MHz) Power Spectral Density (LPI)

Ant 0

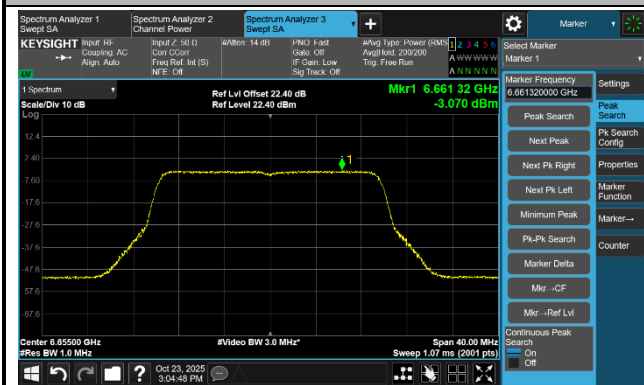


Ant 1

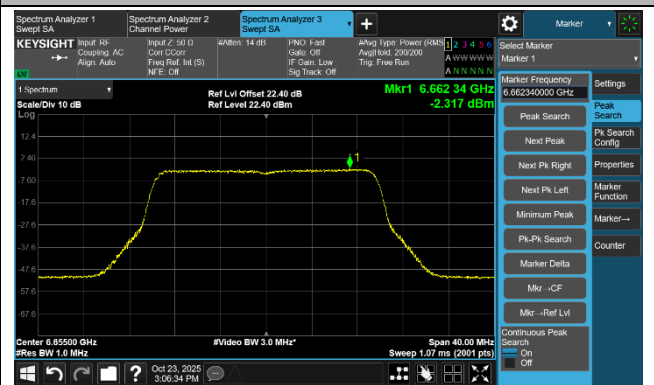


802.11be-EHT20 - Channel 141 (6655 MHz) Power Spectral Density (SD)

Ant 0

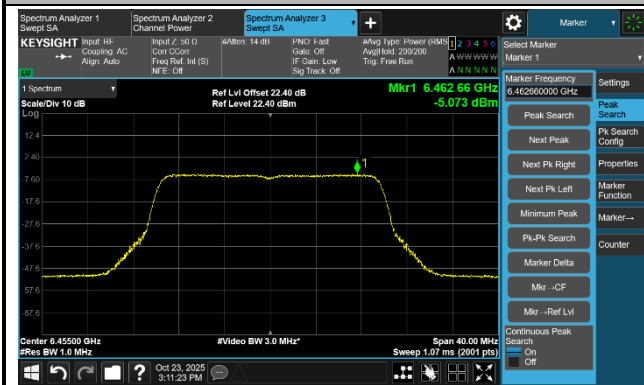


Ant 1

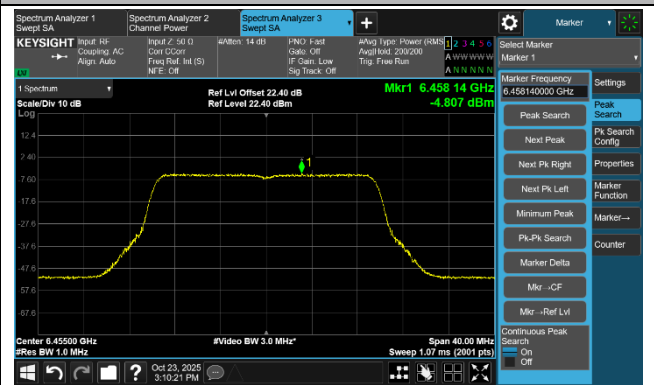


802.11be-EHT20 - Channel 101 (6455 MHz) Power Spectral Density (LPI)

Ant 0

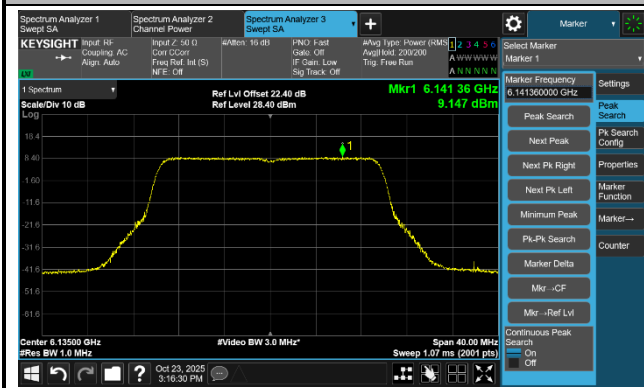


Ant 1

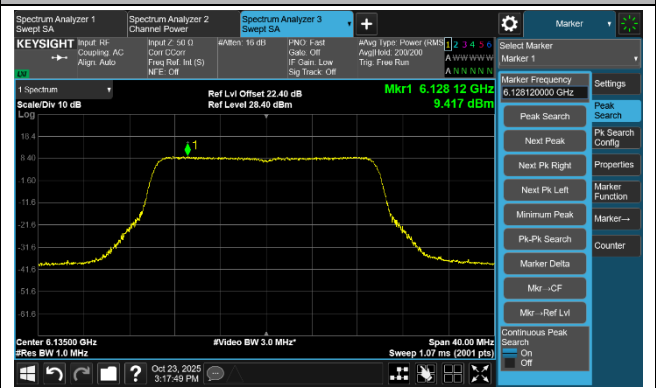


802.11be-EHT20 - Channel 73 (6135 MHz) Power Spectral Density (SD)

Ant 0



Ant 1



2025-10-23T06:30:47Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "libcurl/7.79.1 OpenSSL/1.1.1t zlib/1.2.7 c-ares/1.15.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.1.1",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1536",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1761200998",
        "deviceDescriptor": {
          "serialNumber": "7b34364a11f44625500034ec536e9510",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FBE550V2"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "longitude": -97.560616,
              "latitude": 33.180622
            },
            "majorAxis": 30,
            "minorAxis": 30,
            "orientation": 0.0
          },
          "elevation": {
            "height": 3.1,
```

```
        "heightType": "AGL",
        "verticalUncertainty": 10
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6425
    },
    {
        "lowFrequency": 6525,
        "highFrequency": 6865
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131,
        "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
```

81,
85,
89,
93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,
201,
205,
209,
213,
217,
221,
225,
229,
233

```
]
},
{
  "globalOperatingClass": 132,
  "channelCfi": [
    3,
    11,
    19,
    27,
    35,
    43,
    51,
    59,
    67,
    75,
    83,
    91,
    99,
    107,
    115,
    123,
    131,
    139,
    147,
    155,
    163,
    171,
    179,
    187,
    195,
    203,
    211,
    219,
    227
  ]
},
{
  "globalOperatingClass": 133,
  "channelCfi": [
```

```
        7,
        23,
        39,
        55,
        71,
        87,
        103,
        119,
        135,
        151,
        167,
        183,
        199,
        215
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
        207
    ]
},
{
    "globalOperatingClass": 136,
    "channelCfi": [
        2
    ]
},
{
    "globalOperatingClass": 137,
    "channelCfi": [
        31,
        63,
```

```
        95,
        127,
        159,
        191
    ]
}
],
"minDesiredPower": 24
}
]
}
}
```

2025-10-23T06:30:48Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 21.6
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 14.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
```

```
        "lowFrequency": 5985
      },
      "maxPsd": 16.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 17.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 10.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 21.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 13.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 17.5
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 16.4
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 17.4
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 8.2
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 15.0
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
```

```
    },
    "maxPsd": 10.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6805,
      "lowFrequency": 6785
    },
    "maxPsd": 12.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6825,
      "lowFrequency": 6805
    },
    "maxPsd": 16.7
  }
],
"availableChannelInfo": [
  {
    "channelCfi": [
      1,
      5,
      9,
      13,
      65,
      69,
      73,
      77,
      129,
      133,
      137,
      141,
      161,
      165,
      169,
      173
    ]
  }
],
"globalOperatingClass": 131,
```

```
"maxEirp": [  
    34.6,  
    27.6,  
    29.8,  
    30.3,  
    23.7,  
    34.2,  
    26.0,  
    30.5,  
    33.4,  
    29.4,  
    30.4,  
    21.2,  
    28.0,  
    23.9,  
    25.5,  
    29.7  
],  
,  
{  
    "channelCfi": [  
        3,  
        11,  
        67,  
        75,  
        131,  
        139,  
        163,  
        171  
    ],  
    "globalOperatingClass": 132,  
    "maxEirp": [  
        30.6,  
        32.8,  
        26.7,  
        29.0,  
        32.4,  
        24.2,  
        26.9,
```

```

                28.5
            ]
        },
        {
            "channelCfi": [
                7,
                71,
                135,
                167
            ],
            "globalOperatingClass": 133,
            "maxEirp": [
                33.6,
                29.7,
                27.2,
                29.9
            ]
        }
    ],
    "requestId": "1761200998",
    "availabilityExpireTime": "2025-10-24T06:30:48Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

2025-10-23T06:35:21Z

```

{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "libcurl/7.79.1 OpenSSL/1.1.1t zlib/1.2.7 c-ares/1.15.0",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.1.1",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1536",
        "Connection": "Keep-Alive"
    }
}

```

```
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1761201272",
      "deviceDescriptor": {
        "serialNumber": "7b34364a11f44625500034ec536e9510",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "FCC_CERT_ID_2BH7FBE550V2"
          }
        ]
      },
    },
    {
      "location": {
        "ellipse": {
          "center": {
            "longitude": -97.560616,
            "latitude": 33.180622
          },
          "majorAxis": 30,
          "minorAxis": 30,
          "orientation": 0.0
        },
        "elevation": {
          "height": 3.1,
          "heightType": "AGL",
          "verticalUncertainty": 10
        },
        "indoorDeployment": 1
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5945,
          "highFrequency": 6425
        },
        {
          "lowFrequency": 6525,
```

```
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131,
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          33,
          37,
          41,
          45,
          49,
          53,
          57,
          61,
          65,
          69,
          73,
          77,
          81,
          85,
          89,
          93,
          97,
          101,
          105,
          109,
          113,
          117,
          121,
          125,
```

```
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,
```

```
59,  
67,  
75,  
83,  
91,  
99,  
107,  
115,  
123,  
131,  
139,  
147,  
155,  
163,  
171,  
179,  
187,  
195,  
203,  
211,  
219,  
227  
]  
,  
{  
  "globalOperatingClass": 133,  
  "channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    103,  
    119,  
    135,  
    151,  
    167,  
    183,
```

```
        199,
        215
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
        207
    ]
},
{
    "globalOperatingClass": 136,
    "channelCfi": [
        2
    ]
},
{
    "globalOperatingClass": 137,
    "channelCfi": [
        31,
        63,
        95,
        127,
        159,
        191
    ]
}
],
"minDesiredPower": 24
}
]
}
}
```

2025-10-23T06:37:21Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "libcurl/7.79.1 OpenSSL/1.1.1t zlib/1.2.7 c-ares/1.15.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.1.1",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1536",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1761201272",
        "deviceDescriptor": {
          "serialNumber": "7b34364a11f44625500034ec536e9510",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FBE550V2"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": -97.560616,
          "latitude": 33.180622
        },
        "majorAxis": 30,
        "minorAxis": 30,
        "orientation": 0.0
      },
      "elevation": {
```

```
        "height": 3.1,
        "heightType": "AGL",
        "verticalUncertainty": 10
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6425
    },
    {
        "lowFrequency": 6525,
        "highFrequency": 6865
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131,
        "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
```

77,
81,
85,
89,
93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,
201,
205,
209,
213,
217,
221,
225,
229,

```
                233
            ]
        },
        {
            "globalOperatingClass": 132,
            "channelCfi": [
                3,
                11,
                19,
                27,
                35,
                43,
                51,
                59,
                67,
                75,
                83,
                91,
                99,
                107,
                115,
                123,
                131,
                139,
                147,
                155,
                163,
                171,
                179,
                187,
                195,
                203,
                211,
                219,
                227
            ]
        },
        {
            "globalOperatingClass": 133,
```

```
"channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    103,  
    119,  
    135,  
    151,  
    167,  
    183,  
    199,  
    215  
]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        111,  
        143,  
        175,  
        207  
    ]  
},  
{  
    "globalOperatingClass": 136,  
    "channelCfi": [  
        2  
    ]  
},  
{  
    "globalOperatingClass": 137,  
    "channelCfi": [  
        31,
```

```

        63,
        95,
        127,
        159,
        191
    ]
}
],
"minDesiredPower": 24
}
]
}
}

```

2025-10-23T06:39:21Z

```

{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "libcurl/7.79.1 OpenSSL/1.1.1t zlib/1.2.7 c-ares/1.15.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.1.1",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1536",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1761201272",
        "deviceDescriptor": {
          "serialNumber": "7b34364a11f44625500034ec536e9510",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FBE550V2"
            }
          ]
        }
      }
    ]
  }
}

```

```
    ]
  },
  "location": {
    "ellipse": {
      "center": {
        "longitude": -97.560616,
        "latitude": 33.180622
      },
      "majorAxis": 30,
      "minorAxis": 30,
      "orientation": 0.0
    },
    "elevation": {
      "height": 3.1,
      "heightType": "AGL",
      "verticalUncertainty": 10
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
```

25,
29,
33,
37,
41,
45,
49,
53,
57,
61,
65,
69,
73,
77,
81,
85,
89,
93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,

```
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,  
    155,
```

```
        163,  
        171,  
        179,  
        187,  
        195,  
        203,  
        211,  
        219,  
        227  
    ]  
},  
{  
    "globalOperatingClass": 133,  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        103,  
        119,  
        135,  
        151,  
        167,  
        183,  
        199,  
        215  
    ]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        111,  
        143,  
        175,
```

```

                207
            ]
        },
        {
            "globalOperatingClass": 136,
            "channelCfi": [
                2
            ]
        },
        {
            "globalOperatingClass": 137,
            "channelCfi": [
                31,
                63,
                95,
                127,
                159,
                191
            ]
        }
    ],
    "minDesiredPower": 24
}
]
}
}
}

##### 2025-10-23T06:39:45Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 6045,

```

```
        "lowFrequency": 6025
      },
      "maxPsd": 14.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 15.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 14.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 13.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 21.1
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 10.4
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 8.3
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 19.9
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
```

```
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 16.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 13.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 19.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 9.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 10.2
  },
  {
```

```
        "frequencyRange": {
            "highFrequency": 6705,
            "lowFrequency": 6685
        },
        "maxPsd": 14.5
    },
    {
        "frequencyRange": {
            "highFrequency": 6725,
            "lowFrequency": 6705
        },
        "maxPsd": 15.8
    },
    {
        "frequencyRange": {
            "highFrequency": 6745,
            "lowFrequency": 6725
        },
        "maxPsd": 21.1
    }
],
"availableChannelInfo": [
    {
        "channelCfi": [
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            81,
            85,
            89,
```

```

    93,
    145,
    149,
    153,
    157
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
    27.7,
    28.6,
    27.9,
    27.3,
    26.9,
    34.1,
    25.9,
    23.4,
    21.3,
    32.9,
    32.3,
    31.1,
    29.1,
    26.6,
    32.6,
    22.8,
    23.2,
    27.5,
    28.8,
    34.1
  ]
},
{
  "channelCfi": [
    19,
    27,
    35,
    43,
    51,
    59,
    83,
```

```

    91,
    147,
    155
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    30.7,
    30.3,
    29.9,
    26.4,
    24.3,
    34.1,
    29.6,
    25.8,
    26.2,
    31.8
  ]
},
{
  "channelCfi": [
    23,
    39,
    55,
    87,
    151
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    33.3,
    29.4,
    27.3,
    28.8,
    29.2
  ]
},
{
  "channelCfi": [
    47
  ],

```

```
        "globalOperatingClass": 134,
        "maxEirp": [
            30.3
        ]
    },
    ],
    "requestId": "1761201272",
    "availabilityExpireTime": "2025-10-24T06:39:45Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

```
##### 2025-10-23T06:39:45Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "libcurl/7.79.1 OpenSSL/1.1.1t zlib/1.2.7 c-ares/1.15.0",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.1.1",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1536",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "1761201536",
                "deviceDescriptor": {
                    "serialNumber": "7b34364a11f44625500034ec536e9510",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "FCC_CERT_ID_2BH7FBE550V2"
                        }
                    ]
                }
            }
        ]
    }
}
```

```
]
},
"location": {
  "ellipse": {
    "center": {
      "longitude": -97.560616,
      "latitude": 33.180622
    },
    "majorAxis": 30,
    "minorAxis": 30,
    "orientation": 0.0
  },
  "elevation": {
    "height": 3.1,
    "heightType": "AGL",
    "verticalUncertainty": 10
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5945,
    "highFrequency": 6425
  },
  {
    "lowFrequency": 6525,
    "highFrequency": 6865
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131,
    "channelCfi": [
      1,
      5,
      9,
      13,
      17,
      21,
```

25,
29,
33,
37,
41,
45,
49,
53,
57,
61,
65,
69,
73,
77,
81,
85,
89,
93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,

```
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,  
    35,  
    43,  
    51,  
    59,  
    67,  
    75,  
    83,  
    91,  
    99,  
    107,  
    115,  
    123,  
    131,  
    139,  
    147,  
    155,
```

```
        163,
        171,
        179,
        187,
        195,
        203,
        211,
        219,
        227
    ]
},
{
    "globalOperatingClass": 133,
    "channelCfi": [
        7,
        23,
        39,
        55,
        71,
        87,
        103,
        119,
        135,
        151,
        167,
        183,
        199,
        215
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
```

```

                207
            ]
        },
        {
            "globalOperatingClass": 136,
            "channelCfi": [
                2
            ]
        },
        {
            "globalOperatingClass": 137,
            "channelCfi": [
                31,
                63,
                95,
                127,
                159,
                191
            ]
        }
    ],
    "minDesiredPower": 24
}
]
}
}
}

```

2025-10-23T06:39:45Z

```

{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 6045,

```

```
        "lowFrequency": 6025
      },
      "maxPsd": 14.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 15.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 14.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 13.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 21.1
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 10.4
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 8.3
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 19.9
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
```

```
    },
    "maxPsd": 18.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 16.1
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 13.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 19.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 9.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6685,
      "lowFrequency": 6665
    },
    "maxPsd": 10.2
  },
  {
```

```
        "frequencyRange": {
            "highFrequency": 6705,
            "lowFrequency": 6685
        },
        "maxPsd": 14.5
    },
    {
        "frequencyRange": {
            "highFrequency": 6725,
            "lowFrequency": 6705
        },
        "maxPsd": 15.8
    },
    {
        "frequencyRange": {
            "highFrequency": 6745,
            "lowFrequency": 6725
        },
        "maxPsd": 21.1
    }
],
"availableChannelInfo": [
    {
        "channelCfi": [
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            81,
            85,
            89,
```

```

    93,
    145,
    149,
    153,
    157
  ],
  "globalOperatingClass": 131,
  "maxEirp": [
    27.7,
    28.6,
    27.9,
    27.3,
    26.9,
    34.1,
    25.9,
    23.4,
    21.3,
    32.9,
    32.3,
    31.1,
    29.1,
    26.6,
    32.6,
    22.8,
    23.2,
    27.5,
    28.8,
    34.1
  ]
},
{
  "channelCfi": [
    19,
    27,
    35,
    43,
    51,
    59,
    83,
```

```

    91,
    147,
    155
  ],
  "globalOperatingClass": 132,
  "maxEirp": [
    30.7,
    30.3,
    29.9,
    26.4,
    24.3,
    34.1,
    29.6,
    25.8,
    26.2,
    31.8
  ]
},
{
  "channelCfi": [
    23,
    39,
    55,
    87,
    151
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    33.3,
    29.4,
    27.3,
    28.8,
    29.2
  ]
},
{
  "channelCfi": [
    47
  ],

```

```
        "globalOperatingClass": 134,
        "maxEirp": [
            30.3
        ]
    },
],
"requestId": "1761201272",
"availabilityExpireTime": "2025-10-24T06:39:45Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-10-23T06:39:46Z

```
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 6045,
                        "lowFrequency": 6025
                    },
                    "maxPsd": 14.7
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6065,
                        "lowFrequency": 6045
                    },
                    "maxPsd": 15.6
                },
                {
                    "frequencyRange": {
```

```
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 14.9
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 14.3
},
{
    "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
    },
    "maxPsd": 13.9
},
{
    "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
    },
    "maxPsd": 21.1
},
{
    "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
    },
    "maxPsd": 12.9
},
{
    "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
    },
    "maxPsd": 10.4
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 8.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 19.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
```

```
        "lowFrequency": 6365
      },
      "maxPsd": 13.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 19.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 9.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 10.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 14.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 15.8
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 21.1
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      81,
      85,
      89,
      93,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      27.7,
      28.6,
      27.9,
      27.3,
      26.9,
```

```
        34.1,
        25.9,
        23.4,
        21.3,
        32.9,
        32.3,
        31.1,
        29.1,
        26.6,
        32.6,
        22.8,
        23.2,
        27.5,
        28.8,
        34.1
    ]
},
{
    "channelCfi": [
        19,
        27,
        35,
        43,
        51,
        59,
        83,
        91,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        30.7,
        30.3,
        29.9,
        26.4,
        24.3,
        34.1,
        29.6,
```

```

                25.8,
                26.2,
                31.8
            ]
        },
        {
            "channelCfi": [
                23,
                39,
                55,
                87,
                151
            ],
            "globalOperatingClass": 133,
            "maxEirp": [
                33.3,
                29.4,
                27.3,
                28.8,
                29.2
            ]
        },
        {
            "channelCfi": [
                47
            ],
            "globalOperatingClass": 134,
            "maxEirp": [
                30.3
            ]
        }
    ],
    "requestId": "1761201536",
    "availabilityExpireTime": "2025-10-24T06:39:45Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

2025-10-23T06:39:46Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "libcurl/7.79.1 OpenSSL/1.1.1t zlib/1.2.7 c-ares/1.15.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.1.1",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1536",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1761201536",
        "deviceDescriptor": {
          "serialNumber": "7b34364a11f44625500034ec536e9510",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FBE550V2"
            }
          ]
        }
      }
    ],
    "location": {
      "ellipse": {
        "center": {
          "longitude": -97.560616,
          "latitude": 33.180622
        },
        "majorAxis": 30,
        "minorAxis": 30,
        "orientation": 0.0
      },
      "elevation": {
```

```
        "height": 3.1,
        "heightType": "AGL",
        "verticalUncertainty": 10
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5945,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6525,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131,
        "channelCfi": [
          1,
          5,
          9,
          13,
          17,
          21,
          25,
          29,
          33,
          37,
          41,
          45,
          49,
          53,
          57,
          61,
          65,
          69,
          73,
```

77,
81,
85,
89,
93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,
201,
205,
209,
213,
217,
221,
225,
229,

```
                233
            ]
        },
        {
            "globalOperatingClass": 132,
            "channelCfi": [
                3,
                11,
                19,
                27,
                35,
                43,
                51,
                59,
                67,
                75,
                83,
                91,
                99,
                107,
                115,
                123,
                131,
                139,
                147,
                155,
                163,
                171,
                179,
                187,
                195,
                203,
                211,
                219,
                227
            ]
        },
        {
            "globalOperatingClass": 133,
```

```
"channelCfi": [  
    7,  
    23,  
    39,  
    55,  
    71,  
    87,  
    103,  
    119,  
    135,  
    151,  
    167,  
    183,  
    199,  
    215  
]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        111,  
        143,  
        175,  
        207  
    ]  
},  
{  
    "globalOperatingClass": 136,  
    "channelCfi": [  
        2  
    ]  
},  
{  
    "globalOperatingClass": 137,  
    "channelCfi": [  
        31,
```

```
        63,
        95,
        127,
        159,
        191
    ]
}
],
"minDesiredPower": 24
}
]
}
}
```

2025-10-23T06:39:46Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 14.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 15.6
        }
      ]
    }
  ]
}
```

```
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 14.9
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 14.3
},
{
    "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
    },
    "maxPsd": 13.9
},
{
    "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
    },
    "maxPsd": 21.1
},
{
    "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
    },
    "maxPsd": 12.9
},
{
    "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
    },
    "maxPsd": 10.4
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 8.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 19.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
```

```
        "lowFrequency": 6365
      },
      "maxPsd": 13.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 19.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 9.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 10.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 14.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 15.8
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 21.1
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      81,
      85,
      89,
      93,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      27.7,
      28.6,
      27.9,
      27.3,
      26.9,
```

```
        34.1,
        25.9,
        23.4,
        21.3,
        32.9,
        32.3,
        31.1,
        29.1,
        26.6,
        32.6,
        22.8,
        23.2,
        27.5,
        28.8,
        34.1
    ]
},
{
    "channelCfi": [
        19,
        27,
        35,
        43,
        51,
        59,
        83,
        91,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        30.7,
        30.3,
        29.9,
        26.4,
        24.3,
        34.1,
        29.6,
```

```

                25.8,
                26.2,
                31.8
            ]
        },
        {
            "channelCfi": [
                23,
                39,
                55,
                87,
                151
            ],
            "globalOperatingClass": 133,
            "maxEirp": [
                33.3,
                29.4,
                27.3,
                28.8,
                29.2
            ]
        },
        {
            "channelCfi": [
                47
            ],
            "globalOperatingClass": 134,
            "maxEirp": [
                30.3
            ]
        }
    ],
    "requestId": "1761201272",
    "availabilityExpireTime": "2025-10-24T06:39:46Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

2025-10-23T06:39:46Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 14.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
          },
          "maxPsd": 15.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
          },
          "maxPsd": 14.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
          },
          "maxPsd": 14.3
        },
        {
```

```
"frequencyRange": {
  "highFrequency": 6125,
  "lowFrequency": 6105
},
"maxPsd": 13.9
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 21.1
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 10.4
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 8.3
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 8.3
},
```

```
"maxPsd": 19.9
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 16.1
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 19.6
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": 9.8
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 10.2
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 14.5
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 15.8
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 21.1
}
],
"availableChannelInfo": [
    {
        "channelCfi": [
            17,
            21,
```

```
25,  
29,  
33,  
37,  
41,  
45,  
49,  
53,  
57,  
61,  
81,  
85,  
89,  
93,  
145,  
149,  
153,  
157  
],  
"globalOperatingClass": 131,  
"maxEirp": [  
27.7,  
28.6,  
27.9,  
27.3,  
26.9,  
34.1,  
25.9,  
23.4,  
21.3,  
32.9,  
32.3,  
31.1,  
29.1,  
26.6,  
32.6,  
22.8,  
23.2,  
27.5,
```

```
        28.8,
        34.1
    ]
},
{
    "channelCfi": [
        19,
        27,
        35,
        43,
        51,
        59,
        83,
        91,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        30.7,
        30.3,
        29.9,
        26.4,
        24.3,
        34.1,
        29.6,
        25.8,
        26.2,
        31.8
    ]
},
{
    "channelCfi": [
        23,
        39,
        55,
        87,
        151
    ],
    ],
```

```
"globalOperatingClass": 133,
  "maxEirp": [
    33.3,
    29.4,
    27.3,
    28.8,
    29.2
  ]
},
{
  "channelCfi": [
    47
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    30.3
  ]
}
],
"requestId": "1761201536",
"availabilityExpireTime": "2025-10-24T06:39:46Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```



A.4 Unsuccessful Spectrum Access Update

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-10-23		

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	tp-link
DUT Product Model	Archer BE550

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDU34_FrequencyChannel_10631_1(Unsuccessful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)
TestResult: PASS
Band: 5GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING(LPI limits (5 dBm/MHz PSD) , SP limits (23 dBm/MHz PSD, 36.0 dBm EIRP) in Spectrum Reponse) on channel 117 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

Test Mode	Working Mode	Channel No.	Freq. (MHz)	Average Power (dBm)		Duty Cycle (%)	EIRP (dBm)	AFC Response Limit (dBm)
				Ant 0	Ant 1			
802.11be-EHT20	LPI	129	6595	6.17	7.02	89.49	12.63	36.00
802.11be-EHT20	SD	117	6535	21.36	21.80	89.49	27.60	36.00
802.11be-EHT20	LPI	161	6755	5.64	6.78	89.49	12.26	36.00

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

Test Mode	Working Mode	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)
				Ant 0	Ant 1			
802.11be-EHT20	LPI	129	6595	-5.493	-4.930	89.49	4.30	5.00
802.11be-EHT20	SD	117	6535	9.560	10.333	89.49	19.47	23.00
802.11be-EHT20	LPI	161	6755	-5.928	-4.910	89.49	4.11	5.00

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

802.11be-EHT20 - Channel 129 (6595 MHz) Average Power (LPI)



802.11be-EHT20 - Channel 117 (6535 MHz) Average Power (SD)

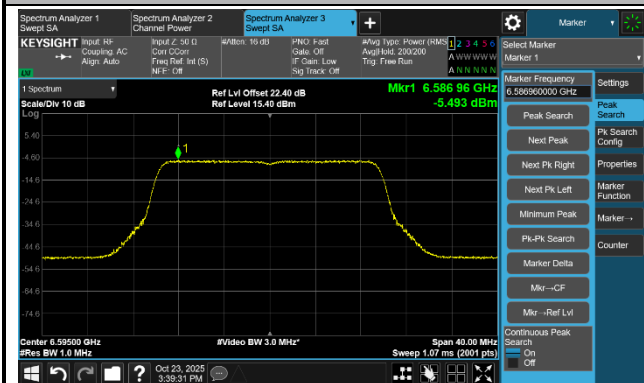


802.11be-EHT20 - Channel 161 (6755 MHz) Average Power (LPI)

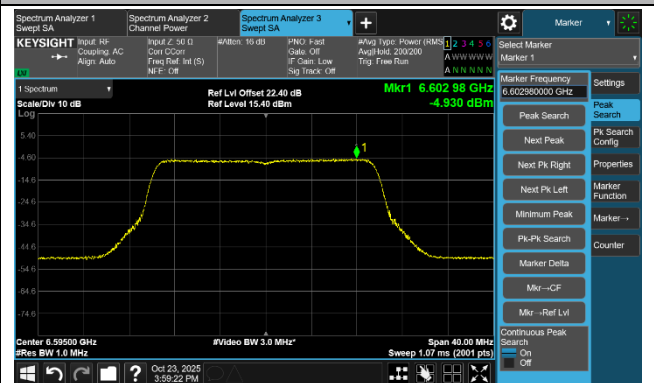


802.11be-EHT20 - Channel 129 (6595 MHz) Power Spectral Density (LPI)

Ant 0

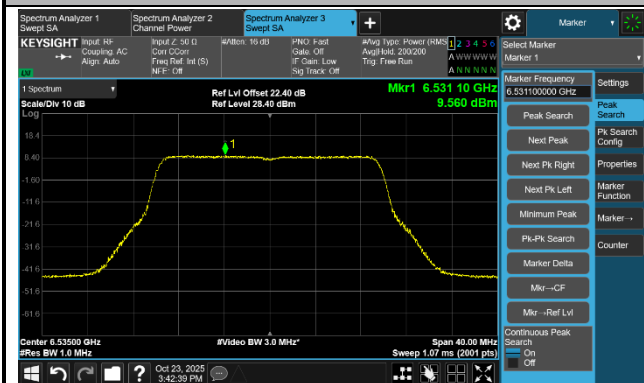


Ant 1

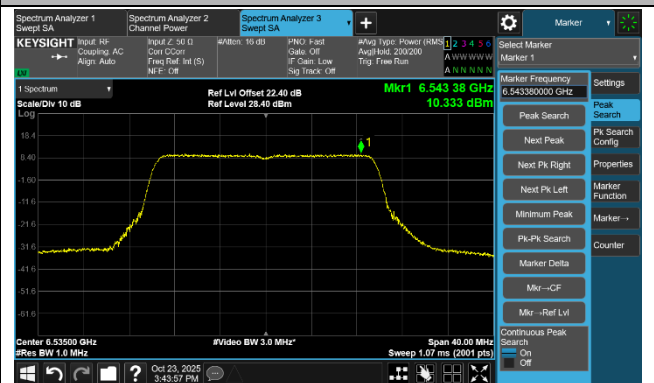


802.11be-EHT20 - Channel 117 (6535 MHz) Power Spectral Density (SD)

Ant 0

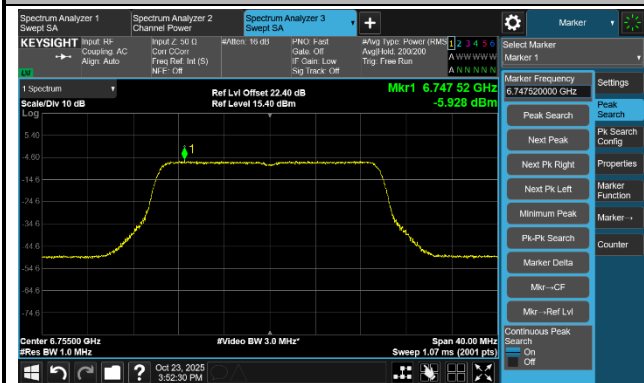


Ant 1

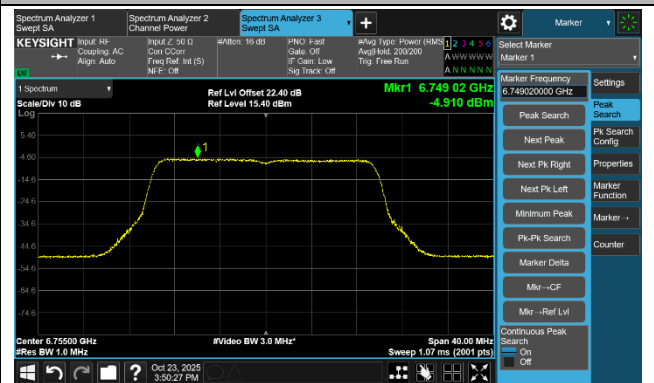


802.11be-EHT20 - Channel 161 (6755 MHz) Power Spectral Density (LPI)

Ant 0



Ant 1



2025-10-23T07:08:11Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "User-Agent": "libcurl/7.79.1 OpenSSL/1.1.1t zlib/1.2.7 c-ares/1.15.0",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.1.1",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1536",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "1761203242",
        "deviceDescriptor": {
          "serialNumber": "7b34364a11f44625500034ec536e9510",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FBE550V2"
            }
          ]
        }
      },
      {
        "location": {
          "ellipse": {
            "center": {
              "longitude": -97.560616,
              "latitude": 33.180622
            },
            "majorAxis": 30,
            "minorAxis": 30,
            "orientation": 0.0
          },
          "elevation": {
            "height": 3.1,
```

```
        "heightType": "AGL",
        "verticalUncertainty": 10
    },
    "indoorDeployment": 1
},
"inquiredFrequencyRange": [
    {
        "lowFrequency": 5945,
        "highFrequency": 6425
    },
    {
        "lowFrequency": 6525,
        "highFrequency": 6865
    }
],
"inquiredChannels": [
    {
        "globalOperatingClass": 131,
        "channelCfi": [
            1,
            5,
            9,
            13,
            17,
            21,
            25,
            29,
            33,
            37,
            41,
            45,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
```

81,
85,
89,
93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,
201,
205,
209,
213,
217,
221,
225,
229,
233

```
]
},
{
  "globalOperatingClass": 132,
  "channelCfi": [
    3,
    11,
    19,
    27,
    35,
    43,
    51,
    59,
    67,
    75,
    83,
    91,
    99,
    107,
    115,
    123,
    131,
    139,
    147,
    155,
    163,
    171,
    179,
    187,
    195,
    203,
    211,
    219,
    227
  ]
},
{
  "globalOperatingClass": 133,
  "channelCfi": [
```

```
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        103,  
        119,  
        135,  
        151,  
        167,  
        183,  
        199,  
        215  
    ]  
},  
{  
    "globalOperatingClass": 134,  
    "channelCfi": [  
        15,  
        47,  
        79,  
        111,  
        143,  
        175,  
        207  
    ]  
},  
{  
    "globalOperatingClass": 136,  
    "channelCfi": [  
        2  
    ]  
},  
{  
    "globalOperatingClass": 137,  
    "channelCfi": [  
        31,  
        63,
```

```

        95,
        127,
        159,
        191
    ]
}
],
"minDesiredPower": 24
}
]
}
}

```

2025-10-23T07:08:11Z

```

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

```

```
        "lowFrequency": 5985
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6025,
        "lowFrequency": 6005
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6045,
        "lowFrequency": 6025
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
      },
      "maxPsd": 23
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
```

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

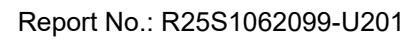
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"frequencyRange": {  
    "highFrequency": 6365,  
    "lowFrequency": 6345  
},  
"maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6385,  
        "lowFrequency": 6365  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6405,  
        "lowFrequency": 6385  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6425,  
        "lowFrequency": 6405  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6545,  
        "lowFrequency": 6525  
    },  
    "maxPsd": 23  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6565,  
        "lowFrequency": 6545  
    },
```

```
"maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6585,
    "lowFrequency": 6565
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 23
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6845,
        "lowFrequency": 6825
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6865,
        "lowFrequency": 6845
      },
      "maxPsd": 23
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
```

25,
29,
33,
37,
41,
45,
49,
53,
57,
61,
65,
69,
73,
77,
81,
85,
89,
93,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181
],
"globalOperatingClass": 131,
"maxEirp": [
36.0,

[illegible]


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

```

        47,
        79,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        36.0,
        36.0,
        36.0,
        36.0
    ]
},
{
    "channelCfi": [
        2
    ],
    "globalOperatingClass": 136,
    "maxEirp": [
        36.0
    ]
}
],
"requestId": "1761203242",
"availabilityExpireTime": "2025-10-24T07:08:11Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

2025-10-23T07:12:34Z

```

{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "libcurl/7.79.1 OpenSSL/1.1.1t zlib/1.2.7 c-ares/1.15.0",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.1.1",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
    }
}

```

```
"X-Forwarded-Server": "testserver.wfatestorg.org",
"Content-Length": "1536",
"Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "1761203505",
      "deviceDescriptor": {
        "serialNumber": "7b34364a11f44625500034ec536e9510",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "FCC_CERT_ID_2BH7FBE550V2"
          }
        ]
      }
    }
  ],
  "location": {
    "ellipse": {
      "center": {
        "longitude": -97.560616,
        "latitude": 33.180622
      },
      "majorAxis": 30,
      "minorAxis": 30,
      "orientation": 0.0
    },
    "elevation": {
      "height": 3.1,
      "heightType": "AGL",
      "verticalUncertainty": 10
    },
    "indoorDeployment": 1
  },
  "inquiredFrequencyRange": [
    {
      "lowFrequency": 5945,
      "highFrequency": 6425
    }
  ]
}
```

```
    },
    {
      "lowFrequency": 6525,
      "highFrequency": 6865
    }
  ],
  "inquiredChannels": [
    {
      "globalOperatingClass": 131,
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        97,
        101,
        105,
        109,
        113,
```

```
117,  
121,  
125,  
129,  
133,  
137,  
141,  
145,  
149,  
153,  
157,  
161,  
165,  
169,  
173,  
177,  
181,  
185,  
189,  
193,  
197,  
201,  
205,  
209,  
213,  
217,  
221,  
225,  
229,  
233  
]  
,  
{  
  "globalOperatingClass": 132,  
  "channelCfi": [  
    3,  
    11,  
    19,  
    27,
```

```
        35,  
        43,  
        51,  
        59,  
        67,  
        75,  
        83,  
        91,  
        99,  
        107,  
        115,  
        123,  
        131,  
        139,  
        147,  
        155,  
        163,  
        171,  
        179,  
        187,  
        195,  
        203,  
        211,  
        219,  
        227  
    ]  
},  
{  
    "globalOperatingClass": 133,  
    "channelCfi": [  
        7,  
        23,  
        39,  
        55,  
        71,  
        87,  
        103,  
        119,  
        135,
```

```
        151,
        167,
        183,
        199,
        215
    ]
},
{
    "globalOperatingClass": 134,
    "channelCfi": [
        15,
        47,
        79,
        111,
        143,
        175,
        207
    ]
},
{
    "globalOperatingClass": 136,
    "channelCfi": [
        2
    ]
},
{
    "globalOperatingClass": 137,
    "channelCfi": [
        31,
        63,
        95,
        127,
        159,
        191
    ]
}
],
"minDesiredPower": 24
}
```

```
]
}
}
```

```
##### 2025-10-23T07:12:35Z #####
```

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "1761203505",
      "availabilityExpireTime": "2025-10-24T07:12:35Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```



A.5 Unsuccessful Server Validation

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2025-10-23		

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	tp-link
DUT Product Model	Archer BE550

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)
TestResult: PASS
Band: 6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)
TestResult: PASS
Band: 6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)
TestResult: PASS
Band: 6GHz

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

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)
TestResult: PASS
Band: 6GHz

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



TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

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

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

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

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

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

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

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

Appendix B - Test Setup Photograph

Refer to "R25S1062099-UT" file.

Appendix C - EUT Photograph

Refer to "R25S1062099-UE" file.

_____ The End _____