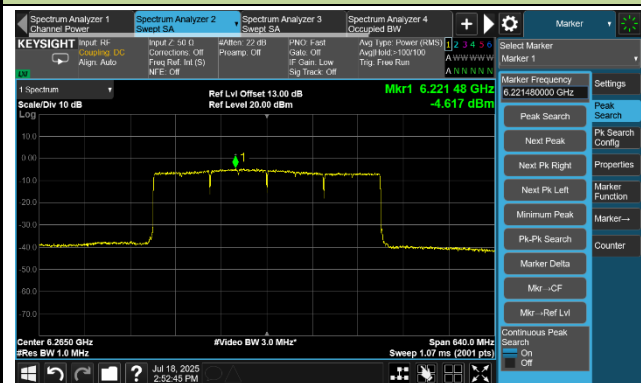
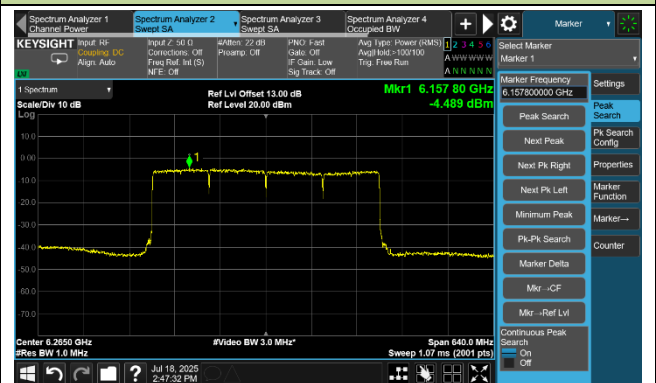


802.11be-EHT320 – Channel 63 (6265MHz) Power Spectral Density (LPI)

Ant 0

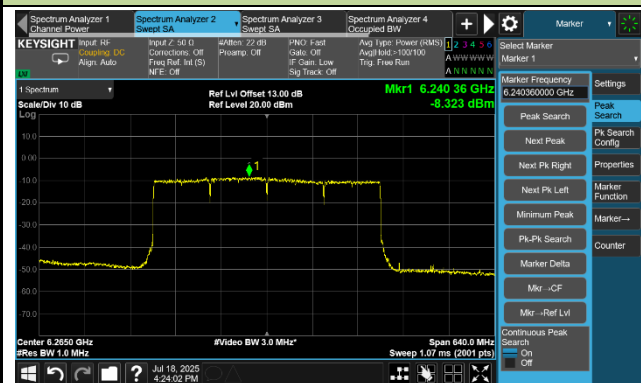


Ant 1

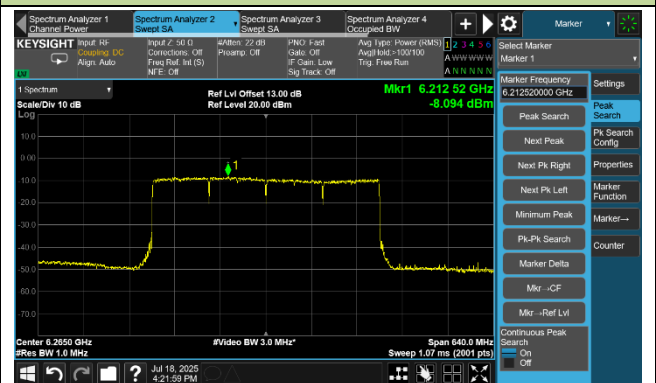


802.11be-EHT320 – Channel 63 (6265MHz) Power Spectral Density (SD)

Ant 0

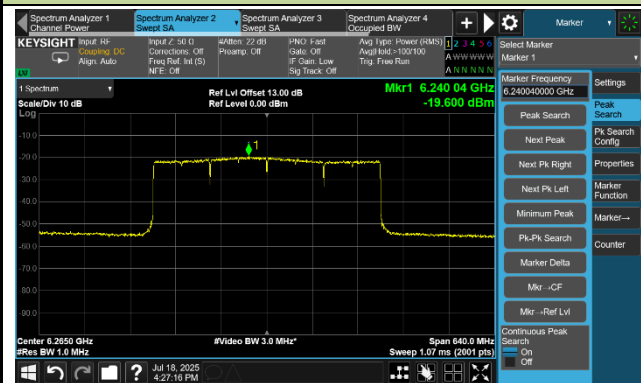


Ant 1

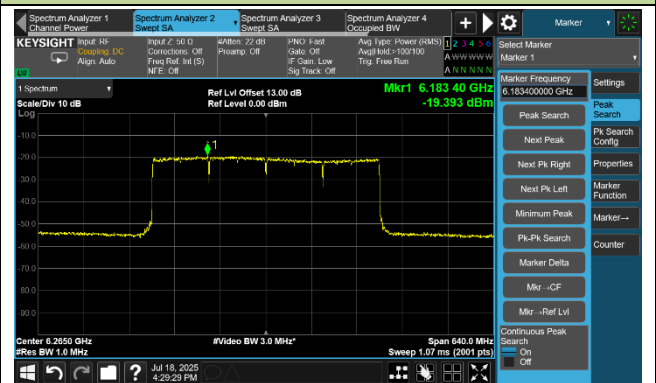


802.11be-EHT320 – Channel 63 (6265MHz) Power Spectral Density (SD)

Ant 0



Ant 1



2025-07-18T07:02:22Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1087",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FEAP787"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,

```

```
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
]
```

```
}
```

```
}
```

```
##### 2025-07-18T07:02:22Z #####
```

```
{
```

```
  "availableSpectrumInquiryResponses": [
```

```
    {
```

```
      "response": {
```

```
        "responseCode": 0,
```

```
        "shortDescription": "SUCCESS"
```

```
      },
```

```
      "availableFrequencyInfo": [
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6045,
```

```
            "lowFrequency": 6025
```

```
          },
```

```
          "maxPsd": 15.2
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6065,
```

```
            "lowFrequency": 6045
```

```
          },
```

```
          "maxPsd": 15.3
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6085,
```

```
            "lowFrequency": 6065
```

```
          },
```

```
          "maxPsd": 9.5
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6105,
```

```
            "lowFrequency": 6085
```

```
          },
```

```
          "maxPsd": 11.2
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6125,
        "lowFrequency": 6105
      },
      "maxPsd": 16.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
      },
      "maxPsd": 13.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
      },
      "maxPsd": 21.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
```

```
        "lowFrequency": 6605
      },
      "maxPsd": 16.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 19.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 19.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 14.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 9.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 14.7
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 20.1
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      33,
      37,
      41,
      45,
      129,
      133,
      137,
      141,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      28.2,
      28.3,
      22.5,
      24.2,
      29.0,
      26.4,
      34.4,
      29.1,
      26.1,
```

```
        29.1,
        32.7,
        32.3,
        27.0,
        22.9,
        27.7,
        33.1
    ]
},
{
    "channelCfi": [
        19,
        27,
        35,
        43,
        131,
        139,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        31.2,
        25.5,
        29.4,
        32.1,
        29.1,
        35.3,
        25.9,
        30.7
    ]
},
{
    "channelCfi": [
        23,
        39,
        135,
        151
    ],
    ],
```

```

        "globalOperatingClass": 133,
        "maxEirp": [
            28.5,
            32.4,
            32.1,
            28.9
        ]
    },
    {
        "channelCfi": [
            143
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            31.9
        ]
    }
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2025-07-19T07:02:22Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```

##### 2025-07-18T07:10:54Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.0.200",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1087",
        "Connection": "Keep-Alive"
    },
    "body": {

```

```
"version": "1.4",
"availableSpectrumInquiryRequests": [
  {
    "requestId": "REQ-FSP1",
    "deviceDescriptor": {
      "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
      "certificationId": [
        {
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
          "id": "FCC_CERT_ID_2BH7FEAP787"
        }
      ]
    },
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ]
  }
]
```

```

    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
]
}
}
}

```

```

##### 2025-07-18T07:10:54Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {

```

```
"frequencyRange": {  
    "highFrequency": 5965,  
    "lowFrequency": 5945  
},  
"maxPsd": 11.1  
},  
{  
    "frequencyRange": {  
        "highFrequency": 5985,  
        "lowFrequency": 5965  
    },  
    "maxPsd": 13.0  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6005,  
        "lowFrequency": 5985  
    },  
    "maxPsd": 14.2  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6025,  
        "lowFrequency": 6005  
    },  
    "maxPsd": 21.9  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6205,  
        "lowFrequency": 6185  
    },  
    "maxPsd": 13.3  
},  
{  
    "frequencyRange": {  
        "highFrequency": 6225,  
        "lowFrequency": 6205  
    },
```

```
"maxPsd": 16.4
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 9.3
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 16.0
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 16.1
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 17.4
},
{
    "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
    },
    "maxPsd": 10.9
},
{
    "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
    },
    "maxPsd": 20.9
},
{
    "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
    },
    "maxPsd": 20.6
},
{
    "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": 15.1
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 18.6
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 19.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 12.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 20.4
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
```

```
      85,  
      89,  
      93,  
      161,  
      165,  
      169,  
      173  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
      24.1,  
      26.0,  
      27.2,  
      34.9,  
      26.3,  
      29.4,  
      22.3,  
      22.9,  
      29.0,  
      33.4,  
      29.1,  
      30.4,  
      23.9,  
      33.9,  
      33.6,  
      28.1,  
      31.6,  
      32.7,  
      25.6,  
      33.4  
    ]  
  },  
  {  
    "channelCfi": [  
      3,  
      11,  
      51,  
      59,  
      67,
```

```
        75,
        83,
        91,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        27.1,
        30.2,
        29.3,
        25.3,
        32.0,
        32.1,
        26.9,
        31.1,
        34.6,
        28.6
    ]
},
{
    "channelCfi": [
        7,
        55,
        71,
        87,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        30.1,
        28.3,
        35.0,
        29.9,
        31.6
    ]
},
{
    "channelCfi": [
```

```

    79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        32.9
    ]
}
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2025-07-19T07:10:54Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-07-18T07:42:14Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1087",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FEAP787"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,

```

```
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
]
```

```
}
```

```
}
```

```
##### 2025-07-18T07:42:14Z #####
```

```
{
```

```
  "availableSpectrumInquiryResponses": [
```

```
    {
```

```
      "response": {
```

```
        "responseCode": 0,
```

```
        "shortDescription": "SUCCESS"
```

```
      },
```

```
      "availableFrequencyInfo": [
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6205,
```

```
            "lowFrequency": 6185
```

```
          },
```

```
          "maxPsd": 9.6
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6225,
```

```
            "lowFrequency": 6205
```

```
          },
```

```
          "maxPsd": 13.2
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6245,
```

```
            "lowFrequency": 6225
```

```
          },
```

```
          "maxPsd": 17.5
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6265,
```

```
            "lowFrequency": 6245
```

```
          },
```

```
          "maxPsd": 8.6
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 17.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 15.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 12.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 15.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
```

```
        "lowFrequency": 6365
      },
      "maxPsd": 21.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 15.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 21.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 16.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 17.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 20.8
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 15.8
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93,
      145,
      149,
      153,
      157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      22.6,
      26.2,
      30.5,
      21.6,
      30.7,
      30.3,
      28.0,
      25.9,
      28.4,
```

```
        34.1,
        28.3,
        34.8,
        29.8,
        30.1,
        33.8,
        28.8
    ]
},
{
    "channelCfi": [
        51,
        59,
        67,
        75,
        83,
        91,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        25.6,
        24.6,
        33.3,
        28.9,
        31.4,
        31.3,
        32.8,
        31.8
    ]
},
{
    "channelCfi": [
        55,
        71,
        87,
        151
    ],
    ],
```

```

        "globalOperatingClass": 133,
        "maxEirp": [
            27.6,
            31.9,
            34.3,
            34.8
        ]
    },
    {
        "channelCfi": [
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            34.9
        ]
    }
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2025-07-19T07:42:14Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```

##### 2025-07-18T07:47:48Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.0.200",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1087",
        "Connection": "Keep-Alive"
    },
    "body": {

```

```
"version": "1.4",
"availableSpectrumInquiryRequests": [
  {
    "requestId": "REQ-FSP1",
    "deviceDescriptor": {
      "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
      "certificationId": [
        {
          "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
          "id": "FCC_CERT_ID_2BH7FEAP787"
        }
      ]
    },
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ]
  }
]
```

```

    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
]
}
}
}

```

2025-07-18T07:47:48Z

```

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

```

```
"frequencyRange": {
  "highFrequency": 5965,
  "lowFrequency": 5945
},
"maxPsd": 13.6
},
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 9.3
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 15.1
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 14.1
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
```

```
"maxPsd": 12.4
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 21.8
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 14.8
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 17.6
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 16.4
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6185,
        "lowFrequency": 6165
    },
    "maxPsd": 18.7
},
{
    "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
    },
    "maxPsd": 12.8
},
{
    "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
    },
    "maxPsd": 13.1
},
{
    "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
    },
    "maxPsd": 17.2
},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 10.5
},
{
    "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
    },
    "maxPsd": 8.3
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 21.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 8.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
        "lowFrequency": 6805
      },
      "maxPsd": 13.7
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        33,
        37,
        41,
        45,
        129,
```

```
        133,
        137,
        141,
        161,
        165,
        169,
        173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        26.6,
        22.3,
        28.1,
        24.0,
        27.1,
        25.4,
        34.8,
        30.2,
        27.8,
        30.6,
        29.4,
        31.7,
        25.8,
        26.1,
        30.2,
        23.5,
        21.3,
        34.6,
        21.5,
        26.7
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        35,
```

```
        43,
        131,
        139,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        25.3,
        27.0,
        28.4,
        33.2,
        30.8,
        32.4,
        28.8,
        26.5,
        24.3,
        24.5
    ]
},
{
    "channelCfi": [
        7,
        23,
        39,
        135,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        28.3,
        31.4,
        33.8,
        29.5,
        27.3
    ]
},
{
    "channelCfi": [
```

```
        15
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.3
      ]
    }
  ],
  "requestId": "REQ-FSP1",
  "availabilityExpireTime": "2025-07-19T07:47:48Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-07-18T05:43:07Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1087",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FEAP787"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,

```

```
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
]
```

```
}
```

```
}
```

```
##### 2025-07-18T05:43:08Z #####
```

```
{
```

```
  "availableSpectrumInquiryResponses": [
```

```
    {
```

```
      "response": {
```

```
        "responseCode": 0,
```

```
        "shortDescription": "SUCCESS"
```

```
      },
```

```
      "availableFrequencyInfo": [
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6125,
```

```
            "lowFrequency": 6105
```

```
          },
```

```
          "maxPsd": 16.9
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6145,
```

```
            "lowFrequency": 6125
```

```
          },
```

```
          "maxPsd": 8.2
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6165,
```

```
            "lowFrequency": 6145
```

```
          },
```

```
          "maxPsd": 9.3
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6185,
```

```
            "lowFrequency": 6165
```

```
          },
```

```
          "maxPsd": 9.9
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 13.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 10.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 16.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 19.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
```

```
        "lowFrequency": 6685
      },
      "maxPsd": 9.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 12.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 14.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 10.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 9.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 9.4
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 17.6
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      81,
      85,
      89,
      93,
      145,
      149,
      153,
      157,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      29.9,
      21.2,
      22.3,
      22.9,
      26.9,
      23.0,
      25.7,
      29.2,
      32.4,
```

```
        22.9,
        25.7,
        27.5,
        23.5,
        22.7,
        22.4,
        30.6
    ]
},
{
    "channelCfi": [
        35,
        43,
        83,
        91,
        147,
        155,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.2,
        25.3,
        26.0,
        28.7,
        25.9,
        28.7,
        25.7,
        25.4
    ]
},
{
    "channelCfi": [
        39,
        87,
        151,
        167
    ],
    ],
```

```

        "globalOperatingClass": 133,
        "maxEirp": [
            27.2,
            29.0,
            28.9,
            28.4
        ]
    },
    {
        "channelCfi": [],
        "globalOperatingClass": 134,
        "maxEirp": []
    }
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2025-07-19T05:43:08Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```

##### 2025-07-18T05:48:52Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "Accept": "*/*",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.0.200",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1087",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "REQ-FSP1",

```

```
"deviceDescriptor": {
  "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
  "certificationId": [
    {
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
      "id": "FCC_CERT_ID_2BH7FEAP787"
    }
  ]
},
"location": {
  "elevation": {
    "height": 8,
    "heightType": "AGL",
    "verticalUncertainty": 8
  },
  "ellipse": {
    "center": {
      "longitude": -117.744679,
      "latitude": 33.71118
    },
    "majorAxis": 48,
    "minorAxis": 48,
    "orientation": 45
  },
  "indoorDeployment": 1
},
"inquiredFrequencyRange": [
  {
    "lowFrequency": 5935,
    "highFrequency": 6425
  },
  {
    "lowFrequency": 6535,
    "highFrequency": 6865
  }
],
"inquiredChannels": [
  {
    "globalOperatingClass": 131
  }
]
```

```
    },
    {
      "globalOperatingClass": 132
    },
    {
      "globalOperatingClass": 133
    },
    {
      "globalOperatingClass": 134
    },
    {
      "globalOperatingClass": 136
    },
    {
      "globalOperatingClass": 137,
      "channelCfi": [
        63
      ]
    }
  ]
}
]
```

2025-07-18T05:48:52Z

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

```

```
"maxPsd": 10.4
},
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 9.8
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 11.3
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 18.1
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 18.7
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 14.2
},
{
    "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 12.6
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 13.1
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 16.9
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 20.6
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 21.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
      },
      "maxPsd": 9.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 9.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 17.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
```

```
        "lowFrequency": 6605
      },
      "maxPsd": 20.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 14.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 10.9
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        129,
```

```
        133,  
        137,  
        141  
    ],  
    "globalOperatingClass": 131,  
    "maxEirp": [  
        23.4,  
        21.1,  
        22.8,  
        22.4,  
        24.3,  
        31.1,  
        31.7,  
        27.2,  
        25.6,  
        26.1,  
        29.9,  
        33.6,  
        34.8,  
        22.0,  
        22.9,  
        30.1,  
        27.3,  
        33.9,  
        27.9,  
        23.9  
    ]  
},  
{  
    "channelCfi": [  
        3,  
        11,  
        19,  
        27,  
        51,  
        59,  
        67,  
        75,  
        131,
```

```
139
],
"globalOperatingClass": 132,
"maxEirp": [
    24.1,
    25.4,
    27.3,
    30.2,
    28.6,
    32.9,
    25.0,
    25.9,
    30.3,
    26.9
]
},
{
    "channelCfi": [
        7,
        23,
        55,
        71,
        135
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.1,
        30.3,
        31.6,
        28.0,
        29.9
    ]
},
{
    "channelCfi": [
        15
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
```

```
        30.1
      ]
    }
  ],
  "requestId": "REQ-FSP1",
  "availabilityExpireTime": "2025-07-19T05:48:52Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-07-18T06:18:06Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1087",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FEAP787"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,

```

```
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
]
```

```
}
```

```
}
```

```
##### 2025-07-18T06:18:06Z #####
```

```
{
```

```
  "availableSpectrumInquiryResponses": [
```

```
    {
```

```
      "response": {
```

```
        "responseCode": 0,
```

```
        "shortDescription": "SUCCESS"
```

```
      },
```

```
      "availableFrequencyInfo": [
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6125,
```

```
            "lowFrequency": 6105
```

```
          },
```

```
          "maxPsd": 15.5
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6145,
```

```
            "lowFrequency": 6125
```

```
          },
```

```
          "maxPsd": 14.6
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6165,
```

```
            "lowFrequency": 6145
```

```
          },
```

```
          "maxPsd": 14.1
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6185,
```

```
            "lowFrequency": 6165
```

```
          },
```

```
          "maxPsd": 19.5
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 18.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 10.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 17.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 20.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 10.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
```

```
        "lowFrequency": 6285
      },
      "maxPsd": 13.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 14.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 18.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 8.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 20.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 16.3
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 19.4
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      28.5,
      27.6,
      27.1,
      32.5,
      31.1,
      23.4,
      30.9,
      33.0,
      23.9,
```

```
        26.0,
        27.9,
        31.4,
        21.3,
        33.8,
        29.3,
        32.4
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        30.6,
        30.1,
        26.4,
        33.9,
        26.9,
        30.9,
        24.3,
        32.3
    ]
},
{
    "channelCfi": [
        39,
        55,
        71,
        87
    ],
    ],
```

```

        "globalOperatingClass": 133,
        "maxEirp": [
            33.1,
            29.4,
            29.9,
            27.3
        ]
    },
    {
        "channelCfi": [
            47,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            32.4,
            30.3
        ]
    },
    {
        "channelCfi": [
            63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            33.4
        ]
    }
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2025-07-19T06:18:06Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

2025-07-18T06:25:32Z

{

```
"headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.0.200",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "1087",
  "Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "REQ-FSP1",
      "deviceDescriptor": {
        "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "FCC_CERT_ID_2BH7FEAP787"
          }
        ]
      }
    }
  ],
  "location": {
    "elevation": {
      "height": 8,
      "heightType": "AGL",
      "verticalUncertainty": 8
    },
    "ellipse": {
      "center": {
        "longitude": -117.744679,
        "latitude": 33.71118
      },
      "majorAxis": 48,
      "minorAxis": 48,
      "orientation": 45
    }
  },
}
```

```
        "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
        {
            "lowFrequency": 5935,
            "highFrequency": 6425
        },
        {
            "lowFrequency": 6535,
            "highFrequency": 6865
        }
    ],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131
        },
        {
            "globalOperatingClass": 132
        },
        {
            "globalOperatingClass": 133
        },
        {
            "globalOperatingClass": 134
        },
        {
            "globalOperatingClass": 136
        },
        {
            "globalOperatingClass": 137,
            "channelCfi": [
                63
            ]
        }
    ]
}
]
```

2025-07-18T06:25:32Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 16.1
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 10.6
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 12.7
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 9.2
        },
        {
```

```
"frequencyRange": {
  "highFrequency": 6045,
  "lowFrequency": 6025
},
"maxPsd": 16.4
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 14.2
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 17.4
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 10.3
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 15.5
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },

```

```
"maxPsd": 9.8
},
{
  "frequencyRange": {
    "highFrequency": 6645,
    "lowFrequency": 6625
  },
  "maxPsd": 16.8
},
{
  "frequencyRange": {
    "highFrequency": 6665,
    "lowFrequency": 6645
  },
  "maxPsd": 20.4
},
{
  "frequencyRange": {
    "highFrequency": 6685,
    "lowFrequency": 6665
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 9.8
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 20.6
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        29.1,
        23.6,
        25.7,
        22.2,
        29.4,
        27.2,
        30.4,
        23.3,
        28.5,
        22.8,
        29.8,
```

```
        33.4,
        24.0,
        22.8,
        24.7,
        33.6
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        131,
        139,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        26.6,
        25.2,
        30.2,
        26.3,
        25.8,
        32.8,
        25.8,
        27.7
    ]
},
{
    "channelCfi": [
        7,
        23,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
```

```
        28.2,
        29.3,
        28.8,
        28.8
      ]
    },
    {
      "channelCfi": [
        15,
        143
      ],
      "globalOperatingClass": 134,
      "maxEirp": [
        31.2,
        31.8
      ]
    }
  ],
  "requestId": "REQ-FSP1",
  "availabilityExpireTime": "2025-07-19T06:25:32Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2025-07-18T08:09:33Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1087",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FEAP787"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,

```

```
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
]
```

```
}
```

```
}
```

```
##### 2025-07-18T08:09:33Z #####
```

```
{
```

```
  "availableSpectrumInquiryResponses": [
```

```
    {
```

```
      "response": {
```

```
        "responseCode": 0,
```

```
        "shortDescription": "SUCCESS"
```

```
      },
```

```
      "availableFrequencyInfo": [
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6125,
```

```
            "lowFrequency": 6105
```

```
          },
```

```
          "maxPsd": 17.7
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6145,
```

```
            "lowFrequency": 6125
```

```
          },
```

```
          "maxPsd": 8.4
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6165,
```

```
            "lowFrequency": 6145
```

```
          },
```

```
          "maxPsd": 23.8
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6185,
```

```
            "lowFrequency": 6165
```

```
          },
```

```
          "maxPsd": 23.8
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
      },
      "maxPsd": 15.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
      },
      "maxPsd": 10.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 11.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 16.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
      },
      "maxPsd": 14.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6305,
```

```
        "lowFrequency": 6285
      },
      "maxPsd": 15.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 8.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 15.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 12.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 11.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 14.9
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 7.2
}
],
"availableChannelInfo": [
  {
    "channelCfi": [
      33,
      37,
      41,
      45,
      49,
      53,
      57,
      61,
      65,
      69,
      73,
      77,
      81,
      85,
      89,
      93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      30.7,
      21.4,
      36.8,
      36.8,
      28.1,
      23.1,
      24.8,
      29.5,
      27.3,
```

```
        28.5,
        21.7,
        28.6,
        25.9,
        24.0,
        27.9,
        20.2
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.4,
        36.0,
        26.1,
        27.8,
        30.3,
        24.7,
        27.0,
        23.2
    ]
},
{
    "channelCfi": [
        39,
        55,
        71,
        87
    ],
    ],
```

```

        "globalOperatingClass": 133,
        "maxEirp": [
            27.4,
            29.1,
            27.7,
            26.2
        ]
    },
    {
        "channelCfi": [
            47,
            79
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            30.4,
            29.2
        ]
    },
    {
        "channelCfi": [
            63
        ],
        "globalOperatingClass": 137,
        "maxEirp": [
            32.3
        ]
    }
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2025-07-19T08:09:33Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

2025-07-18T08:14:13Z

{

```
"headers": {
  "Host": "testserver.wfatestorg.org",
  "Accept": "*/*",
  "Content-Type": "application/json",
  "X-Forwarded-For": "192.168.0.200",
  "X-Forwarded-Host": "testserver.wfatestorg.org",
  "X-Forwarded-Server": "testserver.wfatestorg.org",
  "Content-Length": "1087",
  "Connection": "Keep-Alive"
},
"body": {
  "version": "1.4",
  "availableSpectrumInquiryRequests": [
    {
      "requestId": "REQ-FSP1",
      "deviceDescriptor": {
        "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
        "certificationId": [
          {
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
            "id": "FCC_CERT_ID_2BH7FEAP787"
          }
        ]
      }
    }
  ],
  "location": {
    "elevation": {
      "height": 8,
      "heightType": "AGL",
      "verticalUncertainty": 8
    },
    "ellipse": {
      "center": {
        "longitude": -117.744679,
        "latitude": 33.71118
      },
      "majorAxis": 48,
      "minorAxis": 48,
      "orientation": 45
    }
  },
}
```

```
        "indoorDeployment": 1
      },
      "inquiredFrequencyRange": [
        {
          "lowFrequency": 5935,
          "highFrequency": 6425
        },
        {
          "lowFrequency": 6535,
          "highFrequency": 6865
        }
      ],
      "inquiredChannels": [
        {
          "globalOperatingClass": 131
        },
        {
          "globalOperatingClass": 132
        },
        {
          "globalOperatingClass": 133
        },
        {
          "globalOperatingClass": 134
        },
        {
          "globalOperatingClass": 136
        },
        {
          "globalOperatingClass": 137,
          "channelCfi": [
            63
          ]
        }
      ]
    }
  ]
}
}
```

2025-07-18T08:14:13Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 0.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 1.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 4.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 6.7
        },
        {
```

```
"frequencyRange": {
  "highFrequency": 6205,
  "lowFrequency": 6185
},
"maxPsd": 9.4
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 3.5
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
  },
  "maxPsd": 6.6
},
{
  "frequencyRange": {
    "highFrequency": 6265,
    "lowFrequency": 6245
  },
  "maxPsd": -3.4
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": -0.7
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },

```

```
"maxPsd": 2.9
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
  },
  "maxPsd": 3.7
},
{
  "frequencyRange": {
    "highFrequency": 6345,
    "lowFrequency": 6325
  },
  "maxPsd": 2.5
},
{
  "frequencyRange": {
    "highFrequency": 6365,
    "lowFrequency": 6345
  },
  "maxPsd": 9.1
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": -0.5
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
```

```
        "highFrequency": 6425,
        "lowFrequency": 6405
    },
    "maxPsd": -1.3
}
],
"availableChannelInfo": [
{
    "channelCfi": [
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        13.2,
        14.3,
        17.5,
        19.7,
        22.4,
        16.5,
        19.6,
        9.6,
        12.3,
        15.9,
        16.7,
```

```
        15.5,
        22.1,
        12.5,
        22.9,
        11.7
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        16.2,
        20.5,
        19.5,
        12.6,
        15.3,
        18.5,
        15.5,
        14.7
    ]
},
{
    "channelCfi": [
        39,
        55,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
```

```
        19.2,
        15.6,
        18.3,
        17.7
    ]
},
{
    "channelCfi": [
        47,
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        18.6,
        20.7
    ]
},
{
    "channelCfi": [
        63
    ],
    "globalOperatingClass": 137,
    "maxEirp": [
        21.7
    ]
}
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2025-07-19T08:14:13Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```



A.2 Unsuccessful Spectrum Access Request

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2025-07-18		

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	TP-Link Systems Inc.
DUT Product Model	EAP787

Test Result

FCC Requirements	Test Case Name	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii)	CT_AFC_SP_AP_AFCIDUSA32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)	PASS

Test Measurements

Test Case Name: CT_AFC_SP_AP_AFCIDUSA32_FrequencyChannel_10629_1 (Unsuccessful registration and spectrum access request)
Test Result: PASS
Band: 6GHz

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

2025-07-18T08:31:57Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1087",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FEAP787"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,

```

```
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
]
```

```
}
}

##### 2025-07-18T08:31:57Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [],
      "availableChannelInfo": [],
      "requestId": "REQ-FSP1",
      "availabilityExpireTime": "2025-07-19T08:31:57Z",
      "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
    }
  ],
  "version": "1.4"
}
```

A.3 Successful Spectrum Access Update

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2025-07-21		

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	TP-Link Systems Inc.
DUT Product Model	EAP787

Test Result

FCC Requirements	Test Case Name	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

Test Case Name: CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1 (Successful spectrum access update)
Test Result: 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 (11.0 dBm/MHz PSD, 24.0 dBm EIRP) in Spectrum Response) on channel 81 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

Test Mode	Working Mode	Channel No.	Freq. (MHz)	Average Power (dBm)		Duty Cycle (%)	EIRP (dBm)	Limit (dBm)
				Ant 0	Ant 1			
802.11be-EHT20	LPI	69	6295	4.79	3.99	92.09	9.42	24.00
802.11be-EHT20	SD	81	6355	7.74	7.53	92.09	12.65	24.00
802.11be-EHT320	LPI	63	6265	4.28	4.33	90.62	9.32	24.00

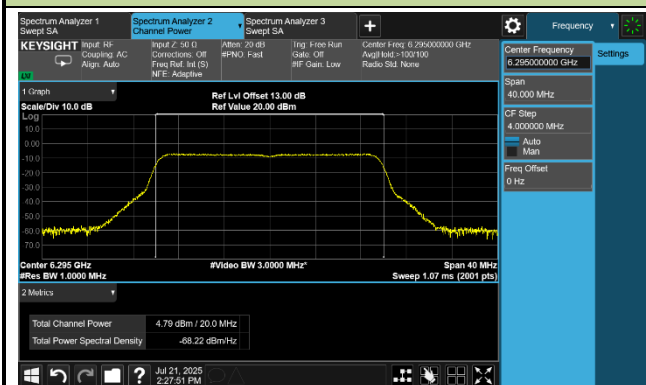
Note: EIRP (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\} + \text{Directional Gain for Power (dBi)} + 10 \cdot \log (1/\text{Duty Cycle})$.

Test Mode	Working Mode	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
				Ant 0	Ant 1			
802.11be-EHT20	LPI	69	6295	-6.545	-7.369	92.09	1.44	5.00
802.11be-EHT20	SD	81	6355	-3.823	-4.052	92.09	4.44	11.00
802.11be-EHT20	LPI	63	6265	-17.714	-18.242	90.62	-9.52	5.00

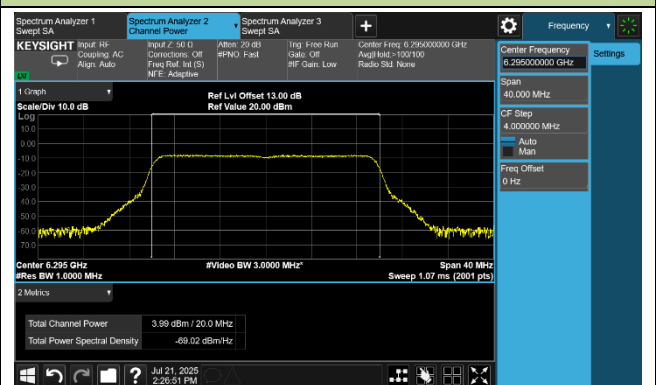
Note: EIRP PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD} / 10)} + 10^{(\text{Ant 1 PSD} / 10)}\} (\text{dBm/MHz}) + 10 \cdot \log (1/\text{Duty Cycle}) + \text{Directional Gain for PSD (dBi)}$.

802.11be-EHT20 – Channel 69 (6295MHz) Average Power (LPI)

Ant 0

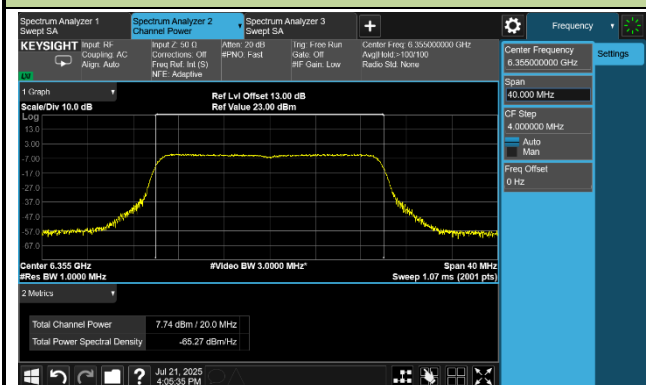


Ant 1

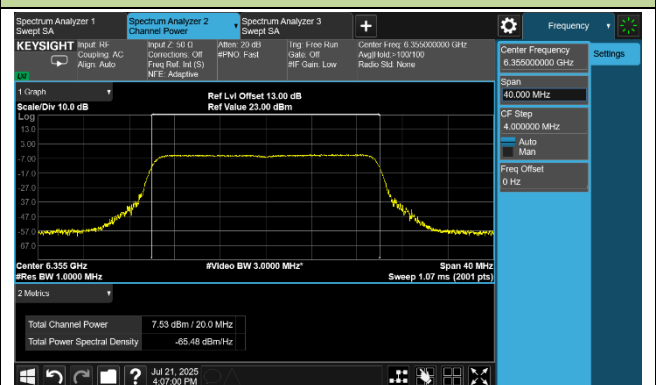


802.11be-EHT20 – Channel 81 (6355MHz) Average Power (SD)

Ant 0

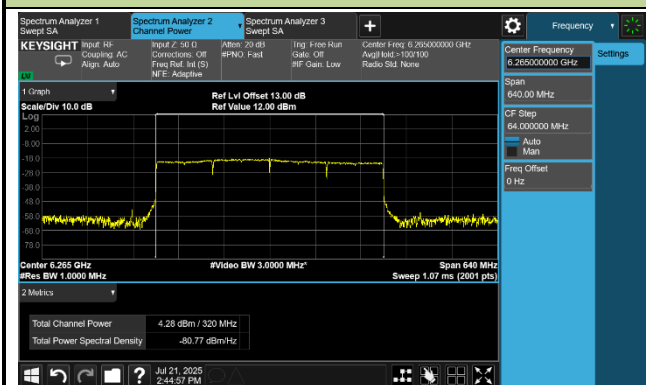


Ant 1

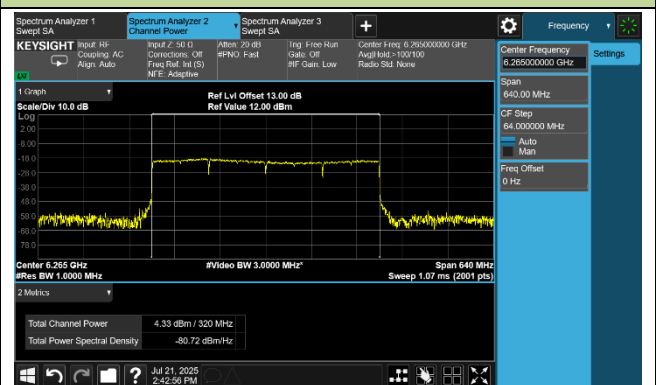


802.11be-EHT320 – Channel 63 (6265MHz) Average Power (LPI)

Ant 0

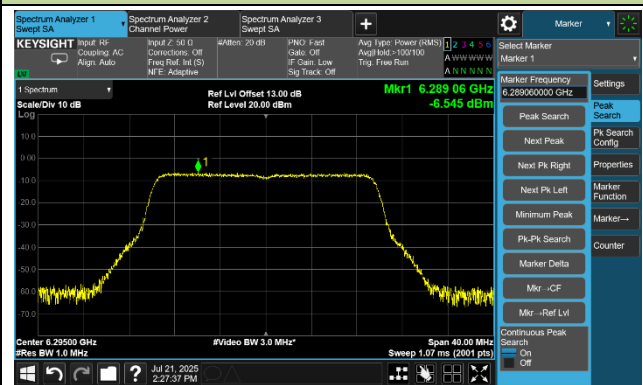


Ant 1

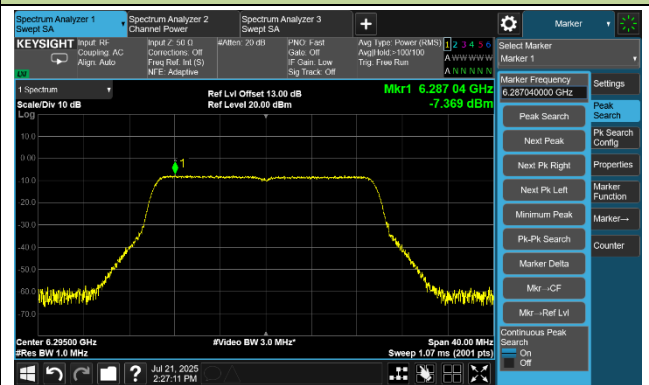


802.11be-EHT20 – Channel 69 (6295MHz) Power Spectral Density (LPI)

Ant 0

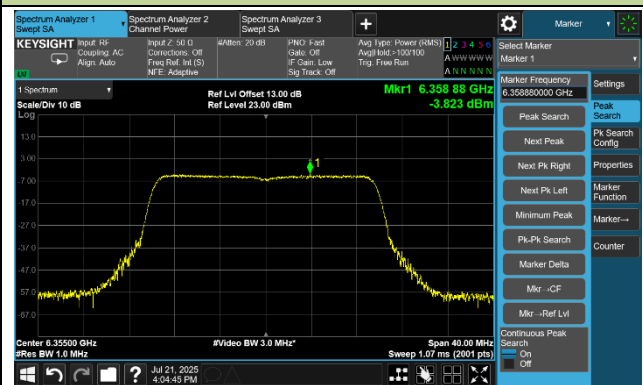


Ant 1

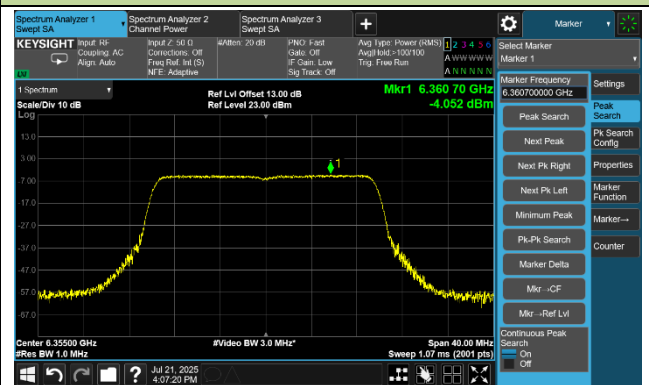


802.11be-EHT20 – Channel 81 (6355MHz) Power Spectral Density (SD)

Ant 0

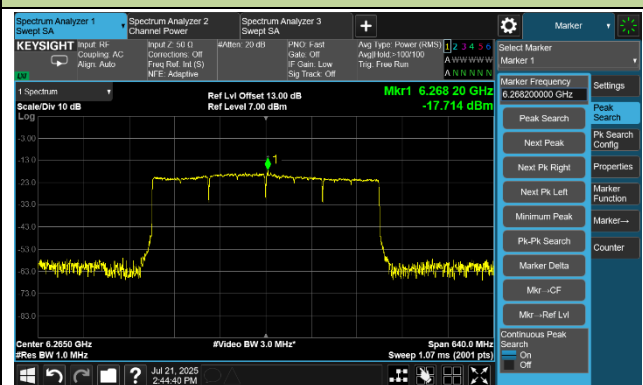


Ant 1

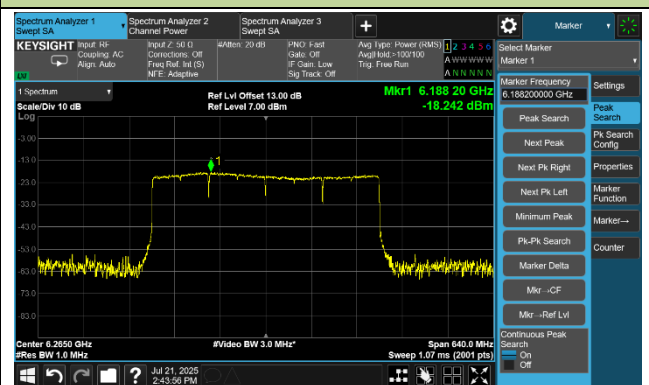


802.11be-EHT320 – Channel 63 (6265MHz) Power Spectral Density (LPI)

Ant 0



Ant 1



2025-07-21T07:49:48Z

```
{
  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1087",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FEAP787"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,

```

```
        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
]
```

```
}
```

```
}
```

```
##### 2025-07-21T07:49:48Z #####
```

```
{
```

```
  "availableSpectrumInquiryResponses": [
```

```
    {
```

```
      "response": {
```

```
        "responseCode": 0,
```

```
        "shortDescription": "SUCCESS"
```

```
      },
```

```
      "availableFrequencyInfo": [
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6045,
```

```
            "lowFrequency": 6025
```

```
          },
```

```
          "maxPsd": 17.6
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6065,
```

```
            "lowFrequency": 6045
```

```
          },
```

```
          "maxPsd": 10.5
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6085,
```

```
            "lowFrequency": 6065
```

```
          },
```

```
          "maxPsd": 9.1
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
            "highFrequency": 6105,
```

```
            "lowFrequency": 6085
```

```
          },
```

```
          "maxPsd": 8.8
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 11.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 14.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 17.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 17.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 19.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
```

```
        "lowFrequency": 6605
      },
      "maxPsd": 19.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 12.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
      },
      "maxPsd": 12.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 15.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 11.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 8.8
    },
  ],
```

```
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 8.1
},
],
"availableChannelInfo": [
  {
    "channelCfi": [
      17,
      21,
      25,
      29,
      81,
      85,
      89,
      93,
      129,
      133,
      137,
      141,
      161,
      165,
      169,
      173
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
      30.6,
      23.5,
      22.1,
      21.8,
      24.0,
      27.0,
      30.7,
      30.5,
      32.5,
```

```
        32.9,
        25.8,
        25.1,
        28.1,
        24.0,
        21.8,
        21.1
    ]
},
{
    "channelCfi": [
        19,
        27,
        83,
        91,
        131,
        139,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        26.5,
        24.8,
        27.0,
        33.5,
        35.5,
        28.1,
        27.0,
        24.1
    ]
},
{
    "channelCfi": [
        23,
        87,
        135,
        167
    ],
    ],
```

```
        "globalOperatingClass": 133,
        "maxEirp": [
            27.8,
            30.0,
            31.1,
            27.1
        ]
    },
    {
        "channelCfi": [],
        "globalOperatingClass": 134,
        "maxEirp": []
    }
],
"requestId": "REQ-FSP1",
"availabilityExpireTime": "2025-07-22T07:49:48Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

A.4 Unsuccessful Spectrum Access Update

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2025-07-21		

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	TP-Link Systems Inc.
DUT Product Model	EAP787

Test Result

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

Test Measurements

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

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING(LPI limits (5 dBm/MHz PSD) , SP limits (23 dBm/MHz PSD, 36.0 dBm EIRP) in Spectrum Response) on channel 65 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

Test Mode	Working Mode	Channel No.	Freq. (MHz)	Average Power (dBm)		Duty Cycle (%)	EIRP (dBm)	Limit (dBm)
				Ant 0	Ant 1			
802.11be-EHT320	LPI	63	6265	4.08	4.03	93.12	9.07	24.00
802.11be-EHT20	SD	65	6275	14.31	14.20	89.59	19.27	36.00
802.11be-EHT320	LPI	63	6265	18.21	18.24	93.12	23.24	24.00

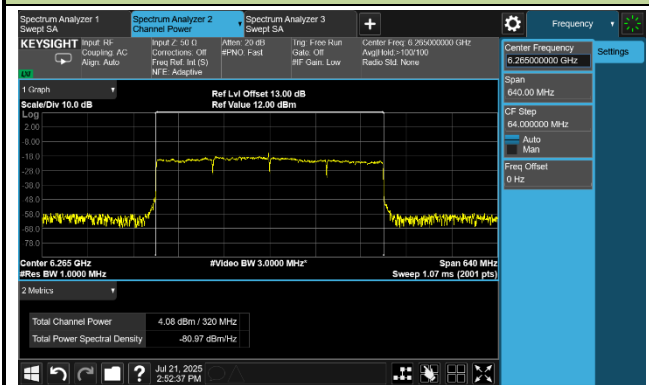
Note: EIRP (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\} + \text{Directional Gain for Power (dBi)} + 10 \cdot \log (1/\text{Duty Cycle})$.

Test Mode	Working Mode	Channel No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz)
				Ant 0	Ant 1			
802.11be-EHT320	LPI	63	6265	-18.688	-17.909	93.12	-9.95	5.00
802.11be-EHT20	SD	65	6275	2.783	2.791	89.59	11.29	23.00
802.11be-EHT320	LPI	63	6265	-4.043	-4.559	93.12	4.04	5.00

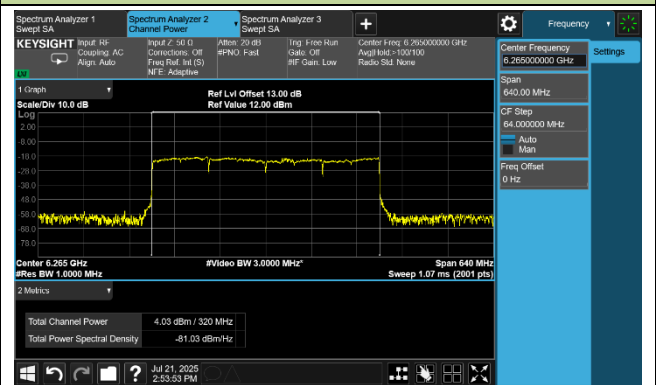
Note: EIRP PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD} / 10)} + 10^{(\text{Ant 1 PSD} / 10)}\} (\text{dBm/MHz}) + 10 \cdot \log (1/\text{Duty Cycle}) + \text{Directional Gain for PSD (dBi)}$.

802.11be-EHT320 – Channel 63 (6265MHz) Average Power (LPI)

Ant 0

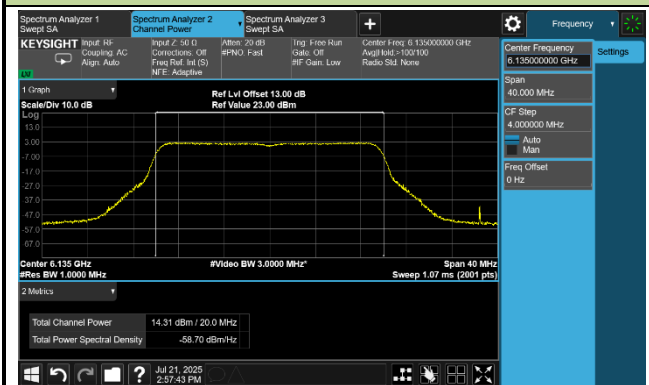


Ant 1

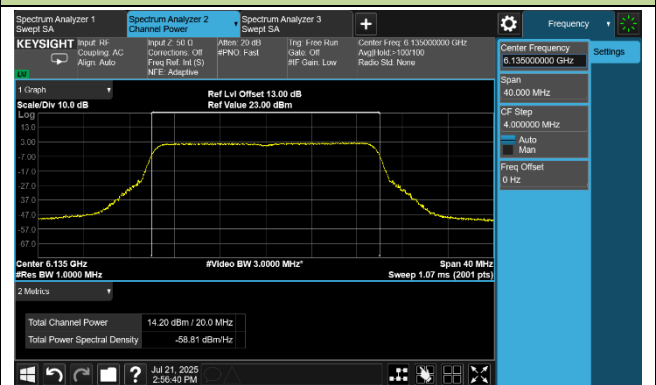


802.11be-EHT20 – Channel 65 (6275MHz) Average Power (SD)

Ant 0

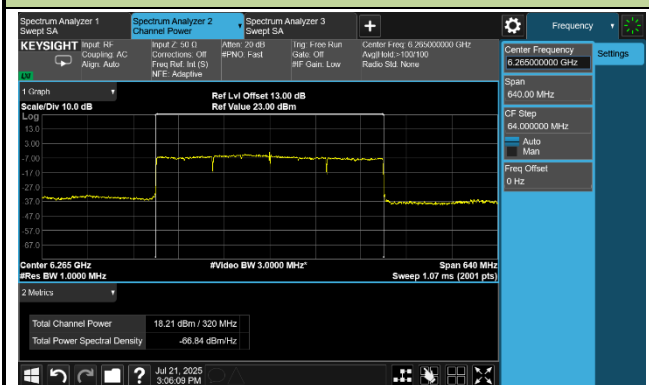


Ant 1

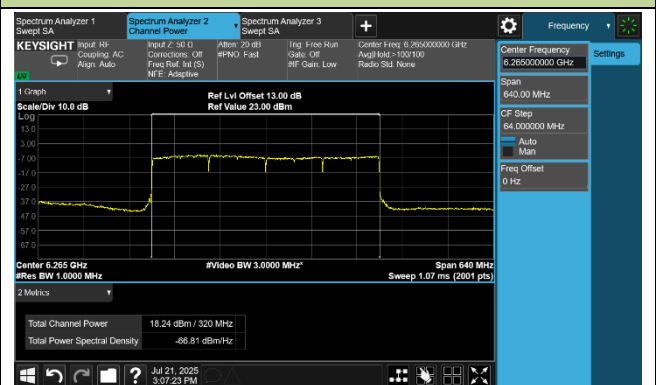


802.11be-EHT320 – Channel 63 (6265MHz) Average Power (LPI)

Ant 0

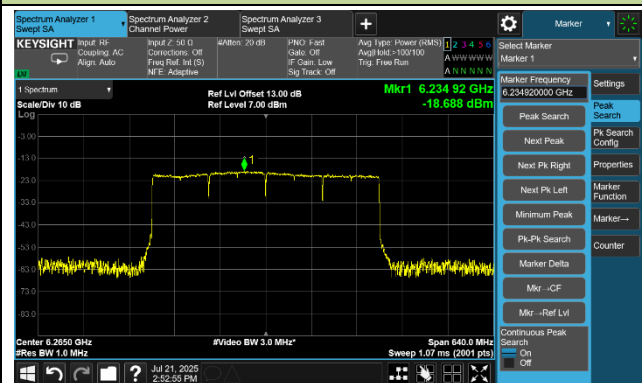


Ant 1

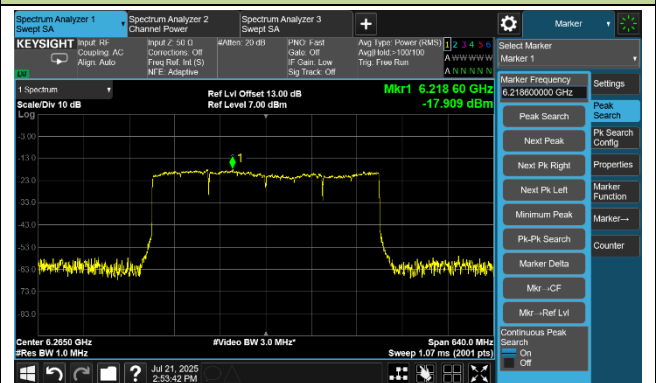


802.11be-EHT320 – Channel 63 (6265MHz) Power Spectral Density (LPI)

Ant 0

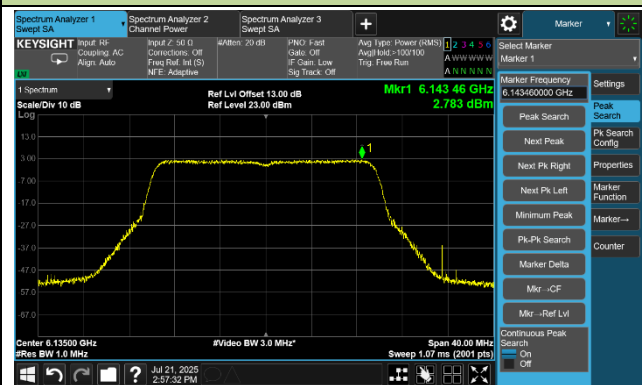


Ant 1

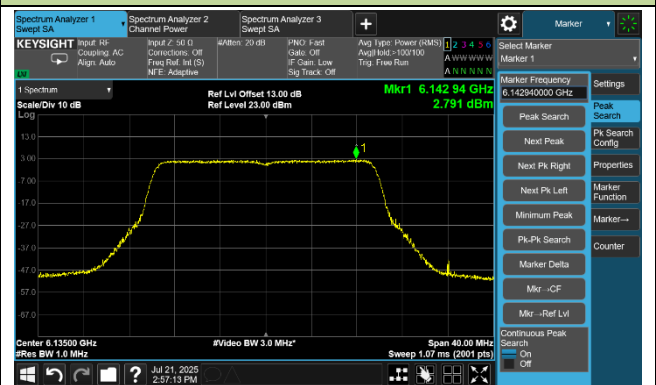


802.11be-EHT20 – Channel 65 (6275MHz) Power Spectral Density (SD)

Ant 0

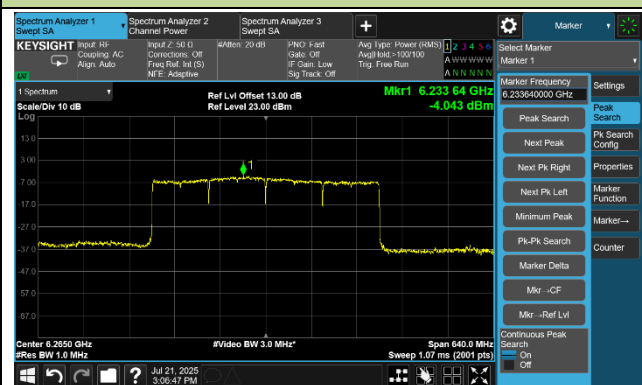


Ant 1

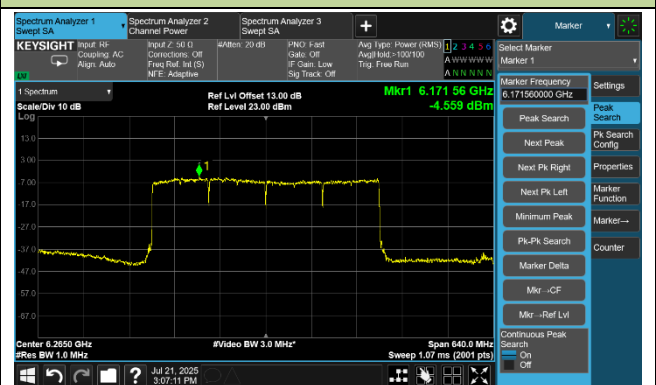


802.11be-EHT320 – Channel 63 (6265MHz) Power Spectral Density (LPI)

Ant 0



Ant 1



2025-07-21T08:46:37Z

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  "headers": {
    "Host": "testserver.wfatestorg.org",
    "Accept": "*/*",
    "Content-Type": "application/json",
    "X-Forwarded-For": "192.168.0.200",
    "X-Forwarded-Host": "testserver.wfatestorg.org",
    "X-Forwarded-Server": "testserver.wfatestorg.org",
    "Content-Length": "1087",
    "Connection": "Keep-Alive"
  },
  "body": {
    "version": "1.4",
    "availableSpectrumInquiryRequests": [
      {
        "requestId": "REQ-FSP1",
        "deviceDescriptor": {
          "serialNumber": "c8b0d77de8026e0ee4e8773e65b2ffb6",
          "certificationId": [
            {
              "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
              "id": "FCC_CERT_ID_2BH7FEAP787"
            }
          ]
        }
      }
    ],
    "location": {
      "elevation": {
        "height": 8,
        "heightType": "AGL",
        "verticalUncertainty": 8
      },
      "ellipse": {
        "center": {
          "longitude": -117.744679,
          "latitude": 33.71118
        },
        "majorAxis": 48,
        "minorAxis": 48,

```

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        "orientation": 45
      },
      "indoorDeployment": 1
    },
    "inquiredFrequencyRange": [
      {
        "lowFrequency": 5935,
        "highFrequency": 6425
      },
      {
        "lowFrequency": 6535,
        "highFrequency": 6865
      }
    ],
    "inquiredChannels": [
      {
        "globalOperatingClass": 131
      },
      {
        "globalOperatingClass": 132
      },
      {
        "globalOperatingClass": 133
      },
      {
        "globalOperatingClass": 134
      },
      {
        "globalOperatingClass": 136
      },
      {
        "globalOperatingClass": 137,
        "channelCfi": [
          63
        ]
      }
    ]
  }
]
```

```
}
```

```
}
```

```
##### 2025-07-21T08:46:38Z #####
```

```
{
```

```
  "availableSpectrumInquiryResponses": [
```

```
    {
```

```
      "response": {
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```
        "responseCode": 0,
```

```
        "shortDescription": "SUCCESS"
```

```
      },
```

```
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```

```
        {
```

```
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```
            "lowFrequency": 5945
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          },
```

```
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```

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        },
```

```
        {
```

```
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```

```
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```

```
            "lowFrequency": 5965
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          },
```

```
          "maxPsd": 23
```

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        },
```

```
        {
```

```
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```

```
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```

```
            "lowFrequency": 5985
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```
          },
```

```
          "maxPsd": 23
```

```
        },
```

```
        {
```

```
          "frequencyRange": {
```

```
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```
            "lowFrequency": 6005
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```
          },
```

```
          "maxPsd": 23
```

```
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        "lowFrequency": 6025
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
      },
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    {
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      },
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    },
    {
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    {
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    {
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      "frequencyRange": {
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    {
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      },
      "maxPsd": 23
    },
  ],
```

```
{
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  },
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  },
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    "lowFrequency": 6305
  },
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    "lowFrequency": 6325
  },
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    "lowFrequency": 6345
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
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    "maxPsd": 23
  },
  {
    "frequencyRange": {
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      "lowFrequency": 6385
    },
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  },
  {
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      "lowFrequency": 6405
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  },
  {
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      "lowFrequency": 6545
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  },
  {
    "frequencyRange": {
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      "lowFrequency": 6585
    },
    "maxPsd": 23
  },
  {
```



```
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},
{
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    "lowFrequency": 6725
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
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    "lowFrequency": 6745
  },
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},
{
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    "highFrequency": 6785,
    "lowFrequency": 6765
  },
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},
{
  "frequencyRange": {
    "highFrequency": 6805,
    "lowFrequency": 6785
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
    "highFrequency": 6825,
    "lowFrequency": 6805
  },
  "maxPsd": 23
},
{
  "frequencyRange": {
```

```
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        "lowFrequency": 6825
      },
      "maxPsd": 23
    },
    {
      "frequencyRange": {
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        "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,
```



```
        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  
    ]  
},  
{  
    "channelCfi": [  
        2  
    ],  
    "globalOperatingClass": 136,
```

```
        "maxEirp": [  
            36.0  
        ]  
    }  
],  
    "requestId": "REQ-FSP1",  
    "availabilityExpireTime": "2025-07-22T08:46:38Z",  
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
    "version": "1.4"  
}
```

A.5 Unsuccessful Server Validation

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2025-07-15		

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	TP-Link Systems Inc.
DUT Product Model	EAP787

Test Result

FCC Requirements	TestCaseName	Test Result
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

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

Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_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

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

Appendix B – Test Setup Photograph

Refer to “R25S1080046-UT” file.

Appendix C – EUT Photograph

Refer to “R25S1080046-UE” file.

_____ The End _____