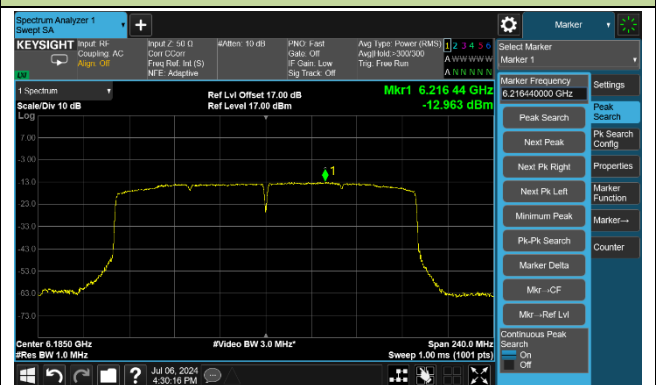


802.11ax-HE160 – Channel 47 (6185MHz) Power Spectral Density

Ant 0



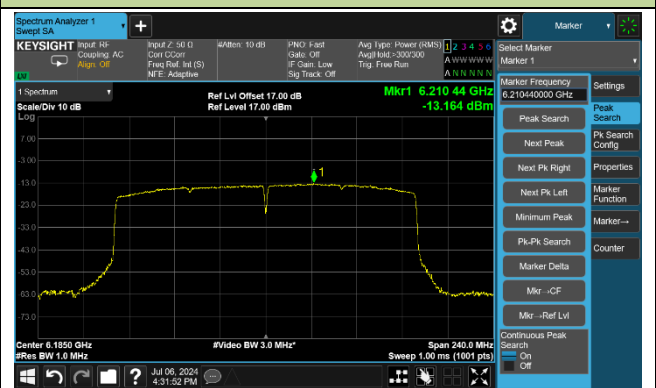
Ant 1



Ant 2



Ant 3

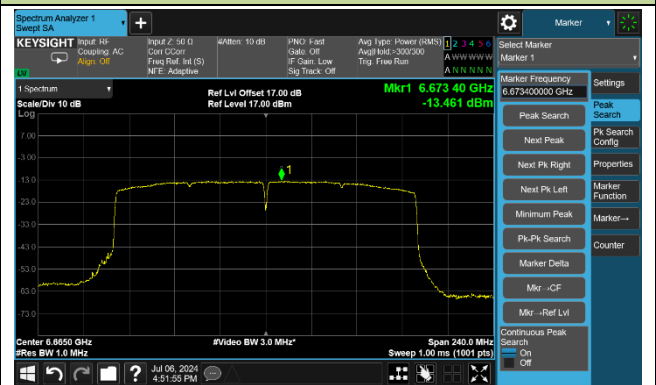


802.11ax-HE160 – Channel 143 (6665MHz) Power Spectral Density

Ant 0



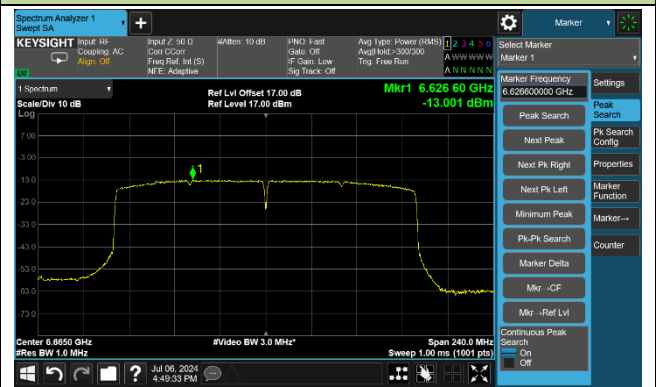
Ant 1



Ant 2



Ant 3



2024-07-09T02:05:32Z

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

```

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

```

2024-07-09T02:05:33Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 14.5
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 12.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 11.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 21.3
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6045,
        "lowFrequency": 6025
    },
    "maxPsd": 9.3
},
{
    "frequencyRange": {
        "highFrequency": 6065,
        "lowFrequency": 6045
    },
    "maxPsd": 20.2
},
{
    "frequencyRange": {
        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 9.5
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
    },
    "maxPsd": 13.6
},
{
    "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
    },
    "maxPsd": 20.9
},
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 21.3
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 13.7
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 15.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6765,
        "lowFrequency": 6745
      },
      "maxPsd": 21.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
      },
      "maxPsd": 9.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6805,
        "lowFrequency": 6785
      },
      "maxPsd": 19.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6825,
```

```
        "lowFrequency": 6805
      },
      "maxPsd": 16.7
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
        25,
        29,
        145,
        149,
        153,
        157,
        161,
        165,
        169,
        173
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        27.5,
        25.9,
        24.5,
        34.3,
        22.3,
        33.2,
        22.5,
        26.6,
        33.9,
        34.3,
        26.7,
        28.4,
```



```
        34.2,
        22.6,
        32.1,
        29.7
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        147,
        155,
        163,
        171
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        28.9,
        27.5,
        25.3,
        25.5,
        36.0,
        29.7,
        25.6,
        32.7
    ]
},
{
    "channelCfi": [
        7,
        23,
        151,
        167
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        30.5,
```

```

                28.3,
                32.7,
                28.6
            ]
        },
        {
            "channelCfi": [
                15
            ],
            "globalOperatingClass": 134,
            "maxEirp": [
                31.3
            ]
        }
    ],
    "requestId": "CNQNLZ303J",
    "availabilityExpireTime": "2024-07-10T02:05:33Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```

##### 2024-07-09T02:44:37Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "44.238.223.78",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "824",
        "Connection": "Keep-Alive"
    },
    "body": {
        "availableSpectrumInquiryRequests": [

```

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

```

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

```

```

##### 2024-07-09T02:44:37Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 16.7
        },
      ],
    }
  ],

```

```
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 18.3
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
  },
  "maxPsd": 14.1
},
{
  "frequencyRange": {
    "highFrequency": 6185,
    "lowFrequency": 6165
  },
  "maxPsd": 17.7
},
{
  "frequencyRange": {
    "highFrequency": 6205,
    "lowFrequency": 6185
  },
  "maxPsd": 15.7
},
{
  "frequencyRange": {
    "highFrequency": 6225,
    "lowFrequency": 6205
  },
  "maxPsd": 19.1
},
{
  "frequencyRange": {
    "highFrequency": 6245,
    "lowFrequency": 6225
```

```

    },
    "maxPsd": 10.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 20.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6285,
      "lowFrequency": 6265
    },
    "maxPsd": 19.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6305,
      "lowFrequency": 6285
    },
    "maxPsd": 9.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6325,
      "lowFrequency": 6305
    },
    "maxPsd": 8.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 14.5
  },
  {

```

```
"frequencyRange": {
  "highFrequency": 6365,
  "lowFrequency": 6345
},
"maxPsd": 17.0
},
{
  "frequencyRange": {
    "highFrequency": 6385,
    "lowFrequency": 6365
  },
  "maxPsd": 12.9
},
{
  "frequencyRange": {
    "highFrequency": 6405,
    "lowFrequency": 6385
  },
  "maxPsd": 19.3
},
{
  "frequencyRange": {
    "highFrequency": 6425,
    "lowFrequency": 6405
  },
  "maxPsd": 20.8
},
{
  "frequencyRange": {
    "highFrequency": 6605,
    "lowFrequency": 6585
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6625,
    "lowFrequency": 6605
  },
```

```

        "maxPsd": 20.4
      },
      {
        "frequencyRange": {
          "highFrequency": 6645,
          "lowFrequency": 6625
        },
        "maxPsd": 19.4
      },
      {
        "frequencyRange": {
          "highFrequency": 6665,
          "lowFrequency": 6645
        },
        "maxPsd": 8.7
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          33,
          37,
          41,
          45,
          49,
          53,
          57,
          61,
          65,
          69,
          73,
          77,
          81,
          85,
          89,
          93,
          129,
          133,
          137,

```



```

141
],
"globalOperatingClass": 131,
"maxEirp": [
    29.7,
    31.3,
    27.1,
    30.7,
    28.7,
    32.1,
    23.0,
    33.3,
    32.6,
    22.4,
    21.6,
    27.5,
    30.0,
    25.9,
    32.3,
    33.8,
    21.7,
    33.4,
    32.4,
    21.7
]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        131,
        139
    ],

```

```
"globalOperatingClass": 132,
  "maxEirp": [
    32.7,
    30.1,
    31.7,
    26.0,
    25.4,
    24.6,
    28.9,
    35.3,
    24.7,
    24.7
  ]
},
{
  "channelCfi": [
    39,
    55,
    71,
    87,
    135
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    33.1,
    29.0,
    27.6,
    31.9,
    27.7
  ]
},
{
  "channelCfi": [
    47,
    79
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    32.0,
```

```
        30.6
      ]
    }
  ],
  "requestId": "CNQNLZ303J",
  "availabilityExpireTime": "2024-07-10T02:44:37Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

2024-07-09T03:13:52Z

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

```

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

```

2024-07-09T03:13:53Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 21.6
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 15.4
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 20.5
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 20.9
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6125,
        "lowFrequency": 6105
    },
    "maxPsd": 20.3
},
{
    "frequencyRange": {
        "highFrequency": 6145,
        "lowFrequency": 6125
    },
    "maxPsd": 18.5
},
{
    "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
    },
    "maxPsd": 13.6
},
{
    "frequencyRange": {
        "highFrequency": 6185,
        "lowFrequency": 6165
    },
    "maxPsd": 11.8
},
{
    "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 19.5
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 20.7
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
      },
      "maxPsd": 13.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
      },
      "maxPsd": 11.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 18.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 10.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 13.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
```



```
        "lowFrequency": 6725
      },
      "maxPsd": 17.6
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        145,
        149,
        153,
        157
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        34.6,
        28.4,
        33.5,
        33.9,
        33.3,
        31.5,
        26.6,
        24.8,
        32.5,
        33.7,
        26.1,
        24.9,
```

```
        31.2,
        23.2,
        26.4,
        30.6
    ]
},
{
    "channelCfi": [
        3,
        11,
        35,
        43,
        51,
        59,
        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        31.4,
        36.0,
        34.5,
        27.8,
        35.5,
        27.9,
        26.2,
        29.4
    ]
},
{
    "channelCfi": [
        7,
        39,
        55,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        34.4,
```

```

        30.8,
        30.9,
        29.2
    ]
},
{
    "channelCfi": [
        47
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        33.8
    ]
}
],
"requestId": "CNQNLZ303J",
"availabilityExpireTime": "2024-07-10T03:13:52Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```

##### 2024-07-09T03:39:52Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "44.238.223.78",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "824",
        "Connection": "Keep-Alive"
    },
    "body": {
        "availableSpectrumInquiryRequests": [

```

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

```

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

```

```

##### 2024-07-09T03:39:52Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 15.2
        },

```

```
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 18.0
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 19.2
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 9.0
},
{
  "frequencyRange": {
    "highFrequency": 6285,
    "lowFrequency": 6265
  },
  "maxPsd": 9.5
},
{
  "frequencyRange": {
    "highFrequency": 6305,
    "lowFrequency": 6285
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
    "highFrequency": 6325,
    "lowFrequency": 6305
```

```
    },
    "maxPsd": 12.2
  },
  {
    "frequencyRange": {
      "highFrequency": 6345,
      "lowFrequency": 6325
    },
    "maxPsd": 20.5
  },
  {
    "frequencyRange": {
      "highFrequency": 6365,
      "lowFrequency": 6345
    },
    "maxPsd": 16.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6385,
      "lowFrequency": 6365
    },
    "maxPsd": 19.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6405,
      "lowFrequency": 6385
    },
    "maxPsd": 21.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6425,
      "lowFrequency": 6405
    },
    "maxPsd": 9.5
  },
  {
```

```

    "frequencyRange": {
      "highFrequency": 6605,
      "lowFrequency": 6585
    },
    "maxPsd": 14.3
  },
  {
    "frequencyRange": {
      "highFrequency": 6625,
      "lowFrequency": 6605
    },
    "maxPsd": 17.8
  },
  {
    "frequencyRange": {
      "highFrequency": 6645,
      "lowFrequency": 6625
    },
    "maxPsd": 12.6
  },
  {
    "frequencyRange": {
      "highFrequency": 6665,
      "lowFrequency": 6645
    },
    "maxPsd": 21.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6765,
      "lowFrequency": 6745
    },
    "maxPsd": 8.9
  },
  {
    "frequencyRange": {
      "highFrequency": 6785,
      "lowFrequency": 6765
    },

```



```

        "maxPsd": 12.9
      },
      {
        "frequencyRange": {
          "highFrequency": 6805,
          "lowFrequency": 6785
        },
        "maxPsd": 19.1
      },
      {
        "frequencyRange": {
          "highFrequency": 6825,
          "lowFrequency": 6805
        },
        "maxPsd": 17.0
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          17,
          21,
          25,
          29,
          65,
          69,
          73,
          77,
          81,
          85,
          89,
          93,
          129,
          133,
          137,
          141,
          161,
          165,
          169,

```

```
173
],
"globalOperatingClass": 131,
"maxEirp": [
  28.2,
  31.0,
  32.2,
  22.0,
  22.5,
  28.6,
  25.2,
  33.5,
  29.4,
  32.3,
  34.7,
  22.5,
  27.3,
  30.8,
  25.6,
  34.4,
  21.9,
  25.9,
  32.1,
  30.0
]
},
{
  "channelCfi": [
    19,
    27,
    67,
    75,
    83,
    91,
    131,
    139,
    163,
    171
  ],

```

```
"globalOperatingClass": 132,
  "maxEirp": [
    31.2,
    25.0,
    25.5,
    28.2,
    32.4,
    25.5,
    30.3,
    28.6,
    24.9,
    33.0
  ]
},
{
  "channelCfi": [
    23,
    71,
    87,
    135,
    167
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    28.0,
    28.5,
    28.5,
    31.6,
    27.9
  ]
},
{
  "channelCfi": [
    79
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    31.5
  ]
}
```

```
    }  
  ],  
  "requestId": "CNQNLZ303J",  
  "availabilityExpireTime": "2024-07-10T03:39:52Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

2024-07-09T09:06:50Z

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

```

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

```

2024-07-09T09:06:50Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
          },
          "maxPsd": 10.8
        },
        {
          "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
          },
          "maxPsd": 19.3
        },
        {
          "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
          },
          "maxPsd": 17.8
        },
        {
          "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
          },
          "maxPsd": 10.8
        },
        {
          "frequencyRange": {
```

```
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 15.4
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 18.8
},
{
    "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
    },
    "maxPsd": 8.1
},
{
    "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
    },
    "maxPsd": 20.3
},
{
    "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
    },
    "maxPsd": 15.1
},
{
    "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
    },
    "maxPsd": 11.6
}
```



```
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 15.0
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
        "lowFrequency": 6405
      },
      "maxPsd": 9.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6605,
        "lowFrequency": 6585
      },
      "maxPsd": 19.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6625,
        "lowFrequency": 6605
      },
      "maxPsd": 13.3
    },
    {
      "frequencyRange": {
        "highFrequency": 6645,
        "lowFrequency": 6625
      },
      "maxPsd": 15.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6665,
```

```
        "lowFrequency": 6645
      },
      "maxPsd": 18.4
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93,
        129,
        133,
        137,
        141
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        23.8,
        32.3,
        30.8,
        23.8,
        28.4,
        31.8,
        21.1,
        33.3,
        28.1,
        24.6,
        28.0,
        22.8,
```

```

        32.1,
        26.3,
        28.1,
        31.4
    ]
},
{
    "channelCfi": [
        3,
        11,
        67,
        75,
        83,
        91,
        131,
        139
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        26.8,
        26.8,
        31.4,
        24.1,
        27.6,
        25.8,
        29.3,
        31.1
    ]
},
{
    "channelCfi": [
        7,
        71,
        87,
        135
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        29.8,

```

```

                27.1,
                28.8,
                32.3
            ]
        },
        {
            "channelCfi": [
                79
            ],
            "globalOperatingClass": 134,
            "maxEirp": [
                30.1
            ]
        }
    ],
    "requestId": "CNQNLZ303J",
    "availabilityExpireTime": "2024-07-10T09:06:50Z",
    "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

```

```

##### 2024-07-09T09:27:55Z #####
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "Go-http-client/1.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Accept-Encoding": "gzip",
        "X-Forwarded-For": "44.238.223.78",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "824",
        "Connection": "Keep-Alive"
    },
    "body": {
        "availableSpectrumInquiryRequests": [

```

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

```

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

```

```

##### 2024-07-09T09:27:55Z #####
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
          },
          "maxPsd": 18.2
        },

```

```
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 9.9
},
{
  "frequencyRange": {
    "highFrequency": 6085,
    "lowFrequency": 6065
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
    "highFrequency": 6105,
    "lowFrequency": 6085
  },
  "maxPsd": 17.2
},
{
  "frequencyRange": {
    "highFrequency": 6125,
    "lowFrequency": 6105
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
    "highFrequency": 6145,
    "lowFrequency": 6125
  },
  "maxPsd": 15.6
},
{
  "frequencyRange": {
    "highFrequency": 6165,
    "lowFrequency": 6145
```

```
    },
    "maxPsd": 19.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6185,
      "lowFrequency": 6165
    },
    "maxPsd": 8.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6205,
      "lowFrequency": 6185
    },
    "maxPsd": 17.7
  },
  {
    "frequencyRange": {
      "highFrequency": 6225,
      "lowFrequency": 6205
    },
    "maxPsd": 11.0
  },
  {
    "frequencyRange": {
      "highFrequency": 6245,
      "lowFrequency": 6225
    },
    "maxPsd": 13.4
  },
  {
    "frequencyRange": {
      "highFrequency": 6265,
      "lowFrequency": 6245
    },
    "maxPsd": 15.9
  },
  {
```



```
"frequencyRange": {
  "highFrequency": 6685,
  "lowFrequency": 6665
},
"maxPsd": 19.0
},
{
  "frequencyRange": {
    "highFrequency": 6705,
    "lowFrequency": 6685
  },
  "maxPsd": 11.0
},
{
  "frequencyRange": {
    "highFrequency": 6725,
    "lowFrequency": 6705
  },
  "maxPsd": 19.0
},
{
  "frequencyRange": {
    "highFrequency": 6745,
    "lowFrequency": 6725
  },
  "maxPsd": 8.8
},
{
  "frequencyRange": {
    "highFrequency": 6765,
    "lowFrequency": 6745
  },
  "maxPsd": 20.6
},
{
  "frequencyRange": {
    "highFrequency": 6785,
    "lowFrequency": 6765
  },
```

```
        "maxPsd": 9.4
      },
      {
        "frequencyRange": {
          "highFrequency": 6805,
          "lowFrequency": 6785
        },
        "maxPsd": 15.4
      },
      {
        "frequencyRange": {
          "highFrequency": 6825,
          "lowFrequency": 6805
        },
        "maxPsd": 11.8
      }
    ],
    "availableChannelInfo": [
      {
        "channelCfi": [
          17,
          21,
          25,
          29,
          33,
          37,
          41,
          45,
          49,
          53,
          57,
          61,
          145,
          149,
          153,
          157,
          161,
          165,
          169,
```

```
173
],
"globalOperatingClass": 131,
"maxEirp": [
  31.2,
  22.9,
  21.1,
  30.2,
  21.1,
  28.6,
  32.4,
  21.7,
  30.7,
  24.0,
  26.4,
  28.9,
  32.0,
  24.0,
  32.0,
  21.8,
  33.6,
  22.4,
  28.4,
  24.8
]
},
{
  "channelCfi": [
    19,
    27,
    35,
    43,
    51,
    59,
    147,
    155,
    163,
    171
  ],

```

```
"globalOperatingClass": 132,
  "maxEirp": [
    25.9,
    24.1,
    24.1,
    24.7,
    27.0,
    29.4,
    27.0,
    24.8,
    25.4,
    27.8
  ]
},
{
  "channelCfi": [
    23,
    39,
    55,
    151,
    167
  ],
  "globalOperatingClass": 133,
  "maxEirp": [
    27.1,
    27.1,
    30.0,
    27.8,
    28.4
  ]
},
{
  "channelCfi": [
    47
  ],
  "globalOperatingClass": 134,
  "maxEirp": [
    30.1
  ]
}
```

```
    }  
  ],  
  "requestId": "CNQNLZ303J",  
  "availabilityExpireTime": "2024-07-10T09:27:55Z",  
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"  
}  
],  
"version": "1.4"  
}
```

2024-07-06T07:59:19Z

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

```

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

```

2024-07-06T07:59:19Z

```
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
            "highFrequency": 6125,
            "lowFrequency": 6105
          },
          "maxPsd": 11.2
        },
        {
          "frequencyRange": {
            "highFrequency": 6145,
            "lowFrequency": 6125
          },
          "maxPsd": 13.0
        },
        {
          "frequencyRange": {
            "highFrequency": 6165,
            "lowFrequency": 6145
          },
          "maxPsd": 14.9
        },
        {
          "frequencyRange": {
            "highFrequency": 6185,
            "lowFrequency": 6165
          },
          "maxPsd": 17.5
        },
        {
          "frequencyRange": {
```



```
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 16.1
},
{
    "frequencyRange": {
        "highFrequency": 6225,
        "lowFrequency": 6205
    },
    "maxPsd": 16.6
},
{
    "frequencyRange": {
        "highFrequency": 6245,
        "lowFrequency": 6225
    },
    "maxPsd": 11.0
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 18.7
},
{
    "frequencyRange": {
        "highFrequency": 6285,
        "lowFrequency": 6265
    },
    "maxPsd": 14.0
},
{
    "frequencyRange": {
        "highFrequency": 6305,
        "lowFrequency": 6285
    },
    "maxPsd": 15.3
}
```

```
    },
    {
      "frequencyRange": {
        "highFrequency": 6325,
        "lowFrequency": 6305
      },
      "maxPsd": 10.1
    },
    {
      "frequencyRange": {
        "highFrequency": 6345,
        "lowFrequency": 6325
      },
      "maxPsd": 19.9
    },
    {
      "frequencyRange": {
        "highFrequency": 6365,
        "lowFrequency": 6345
      },
      "maxPsd": 12.5
    },
    {
      "frequencyRange": {
        "highFrequency": 6385,
        "lowFrequency": 6365
      },
      "maxPsd": 15.6
    },
    {
      "frequencyRange": {
        "highFrequency": 6405,
        "lowFrequency": 6385
      },
      "maxPsd": 10.8
    },
    {
      "frequencyRange": {
        "highFrequency": 6425,
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```
        "lowFrequency": 6405
      },
      "maxPsd": 15.7
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        33,
        37,
        41,
        45,
        49,
        53,
        57,
        61,
        65,
        69,
        73,
        77,
        81,
        85,
        89,
        93
      ],
      "globalOperatingClass": 131,
      "maxEirp": [
        24.2,
        26.0,
        27.9,
        30.5,
        29.1,
        29.6,
        24.0,
        31.7,
        27.0,
        28.3,
        23.1,
        32.9,
```

```
        25.5,
        28.6,
        23.8,
        28.7
    ]
},
{
    "channelCfi": [
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        27.2,
        30.9,
        32.1,
        27.0,
        30.0,
        26.1,
        28.5,
        26.8
    ]
},
{
    "channelCfi": [
        39,
        55,
        71,
        87
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        30.2,
```

```

        30.0,
        29.1,
        29.8
    ]
},
{
    "channelCfi": [
        47,
        79
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        33.0,
        32.1
    ]
}
],
"requestId": "CNQNLZ303J",
"availabilityExpireTime": "2024-07-07T07:59:19Z",
"rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}

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##### 2024-07-06T08:20:28Z #####

```

```

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

```

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"body": {
  "availableSpectrumInquiryRequests": [
    {
      "deviceDescriptor": {
        "certificationId": [
          {
            "id": "Q9DAPIN0654",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
          }
        ],
        "serialNumber": "CNQNLZ303J"
      },
      "inquiredChannels": [
        {
          "globalOperatingClass": 131
        },
        {
          "globalOperatingClass": 132
        },
        {
          "globalOperatingClass": 133
        },
        {
          "globalOperatingClass": 134
        }
      ],
      "inquiredFrequencyRange": [
        {
          "highFrequency": 7125,
          "lowFrequency": 5925
        }
      ],
      "location": {
        "elevation": {
          "height": 3,
          "heightType": "AGL",
          "verticalUncertainty": 2
        },
        "ellipse": {
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        "center": {
            "latitude": 37.381263732910156,
            "longitude": -121.980712890625
        },
        "majorAxis": 11,
        "minorAxis": 2,
        "orientation": 84.794651
    },
    "indoorDeployment": 1
},
"requestId": "CNQNLZ303J",
"vendorExtensions": {
    "extensionId": "Aruba_Info",
    "parameters": {
        "Request_State": "Event",
        "Tenant_ID":
"bd3cca00b1b400932d561eedfb6fb420a16fa47475fb80074d1bd8e48cbf41b9"
    }
}
},
],
"version": "1.4"
}
}

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```

##### 2024-07-06T08:20:28Z #####
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
                        "highFrequency": 5965,
                        "lowFrequency": 5945
                    },

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"maxPsd": 21.2
},
{
  "frequencyRange": {
    "highFrequency": 5985,
    "lowFrequency": 5965
  },
  "maxPsd": 8.7
},
{
  "frequencyRange": {
    "highFrequency": 6005,
    "lowFrequency": 5985
  },
  "maxPsd": 12.8
},
{
  "frequencyRange": {
    "highFrequency": 6025,
    "lowFrequency": 6005
  },
  "maxPsd": 11.7
},
{
  "frequencyRange": {
    "highFrequency": 6045,
    "lowFrequency": 6025
  },
  "maxPsd": 8.1
},
{
  "frequencyRange": {
    "highFrequency": 6065,
    "lowFrequency": 6045
  },
  "maxPsd": 19.2
},
{
  "frequencyRange": {
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        "highFrequency": 6085,
        "lowFrequency": 6065
    },
    "maxPsd": 15.1
},
{
    "frequencyRange": {
        "highFrequency": 6105,
        "lowFrequency": 6085
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    },
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        "highFrequency": 6625,
        "lowFrequency": 6605
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        "lowFrequency": 6625
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},
{
    "frequencyRange": {
        "highFrequency": 6665,
        "lowFrequency": 6645
    },
    "maxPsd": 11.3
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    },
    {
      "frequencyRange": {
        "highFrequency": 6685,
        "lowFrequency": 6665
      },
      "maxPsd": 9.6
    },
    {
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        "highFrequency": 6705,
        "lowFrequency": 6685
      },
      "maxPsd": 14.4
    },
    {
      "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
      },
      "maxPsd": 13.2
    },
    {
      "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
      },
      "maxPsd": 15.6
    }
  ],
  "availableChannelInfo": [
    {
      "channelCfi": [
        1,
        5,
        9,
        13,
        17,
        21,
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        25,
        29,
        129,
        133,
        137,
        141,
        145,
        149,
        153,
        157
    ],
    "globalOperatingClass": 131,
    "maxEirp": [
        34.2,
        21.7,
        25.8,
        24.7,
        21.1,
        32.2,
        28.1,
        21.4,
        33.3,
        31.7,
        21.7,
        24.3,
        22.6,
        27.4,
        26.2,
        28.6
    ]
},
{
    "channelCfi": [
        3,
        11,
        19,
        27,
        131,
        139,
```

```

        147,
        155
    ],
    "globalOperatingClass": 132,
    "maxEirp": [
        24.7,
        27.7,
        24.1,
        24.4,
        34.7,
        24.7,
        25.6,
        29.2
    ]
},
{
    "channelCfi": [
        7,
        23,
        135,
        151
    ],
    "globalOperatingClass": 133,
    "maxEirp": [
        27.7,
        27.1,
        27.7,
        28.6
    ]
},
{
    "channelCfi": [
        15,
        143
    ],
    "globalOperatingClass": 134,
    "maxEirp": [
        30.1,
        30.7

```

```
    ]
  }
],
  "requestId": "CNQNLZ303J",
  "availabilityExpireTime": "2024-07-07T08:20:28Z",
  "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
}
],
"version": "1.4"
}
```

Test Site	WZ-SR5	Test Engineer	Dandy Li
Test Date	2024-07-04 ~ 2024-07-10		
Test Antenna	High Gain Antenna (AP-ANT-348)		

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(B)(i), 15.407(k)(B)(ii), 15.407(k)(B)(iii), 15.407(l)(i), 15.407(k)(B)(iv)	CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_20MHz_10625_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (13.5 dBm/MHz PSD, 26.5 dBm EIRP) on channel 5 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (17.2 dBm/MHz PSD, 30.2 dBm EIRP) on channel 53 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 Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(B)(i), 15.407(k)(B)(ii), 15.407(k)(B)(iii), 15.407(l)(i), 15.407(k)(B)(iv)	CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_40MHz_10626_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_40MHz_10626_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (11.8 dBm/MHz PSD, 27.8 dBm EIRP) on channel center frequency index 83 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (11.1 dBm/MHz PSD, 27.1 dBm EIRP) on channel center frequency index 147 bandwidth 40.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(B)(i), 15.407(k)(B)(ii), 15.407(k)(B)(iii), 15.407(l)(i), 15.407(k)(B)(iv)	CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_80MHz_10627_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (11.8 dBm/MHz PSD, 30.8 dBm EIRP) on channel center frequency index 151 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (10.7 dBm/MHz PSD, 29.7 dBm EIRP) on channel center frequency index 39 bandwidth 80.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(1), 15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(8)(iii), 15.407(j)(ii), 15.407(k)(8)(iv)	CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDSA31_FrequencyChannel_160MHz_10628_1 (Successful registration and spectrum access request)
TestResult: PASS
Band: 6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_1	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT conforms to the conditions in Spectrum Response (11.2 dBm/MHz PSD, 33.2 dBm EIRP) on channel center frequency index 47 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST_2	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_2	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_2	AFC DUT conforms to the conditions in Spectrum Response (9.6 dBm/MHz PSD, 31.6 dBm EIRP) on channel center frequency index 79 bandwidth 160.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_2	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS

Test Mode	Channel No.	Freq. (MHz)	Average Power (dBm)				Duty Cycle (%)	EIRP (dBm)	AFC Response Limit (dBm)
			Ant 0	Ant 1	Ant 2	Ant 3			
802.11ax-HE20	5	5975	3.45	3.92	3.10	3.11	92.31	17.78	26.5
802.11ax-HE20	53	6215	3.78	3.76	3.74	3.92	92.31	18.17	30.2
802.11ax-HE40	83	6365	3.83	3.87	3.33	3.83	91.99	18.10	27.8
802.11ax-HE40	147	6685	3.70	2.80	3.77	3.62	91.99	17.87	27.1
802.11ax-HE80	151	6705	4.06	4.17	3.86	4.16	90.41	18.52	30.8
802.11ax-HE80	39	6145	4.06	4.28	3.65	3.85	90.41	29.70	29.7
802.11ax-HE160	47	6185	2.42	2.77	2.90	2.72	85.31	17.42	33.2
802.11ax-HE160	79	6345	3.27	2.90	2.53	2.97	85.31	17.64	31.6

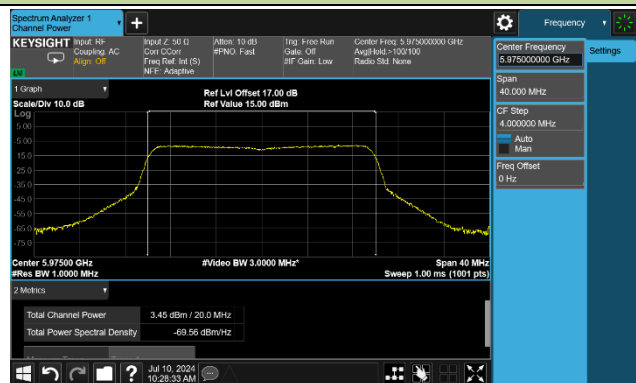
Note 1: EIRP (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\} + \text{Directional Gain for Power (dBi)} + 10 \cdot \log (1/\text{Duty Cycle})$.

Test Mode	Channel No.	Freq. (MHz)	PSD (dBm/MHz)				Duty Cycle (%)	EIRP PSD (dBm/MHz)	AFC Response Limit (dBm/MHz)
			Ant 0	Ant 1	Ant 2	Ant 3			
802.11ax-HE20	5	5975	-8.019	-7.338	-7.977	-8.278	92.31	9.489	13.500
802.11ax-HE20	53	6215	-7.569	-7.601	-7.737	-7.362	92.31	9.813	17.200
802.11ax-HE40	83	6365	-10.135	-10.426	-11.160	-10.333	91.99	6.897	11.800
802.11ax-HE40	147	6685	-10.469	-10.705	-9.948	-10.287	91.99	7.050	11.100
802.11ax-HE80	151	6705	-13.603	-13.106	-13.219	-12.930	90.41	4.261	11.800
802.11ax-HE80	39	6145	-12.858	-13.070	-13.703	-13.275	90.41	4.253	10.700
802.11ax-HE160	47	6185	-16.958	-17.404	-16.930	-16.349	85.31	0.827	11.200
802.11ax-HE160	79	6345	-16.774	-16.830	-17.107	-16.723	85.31	0.865	9.600

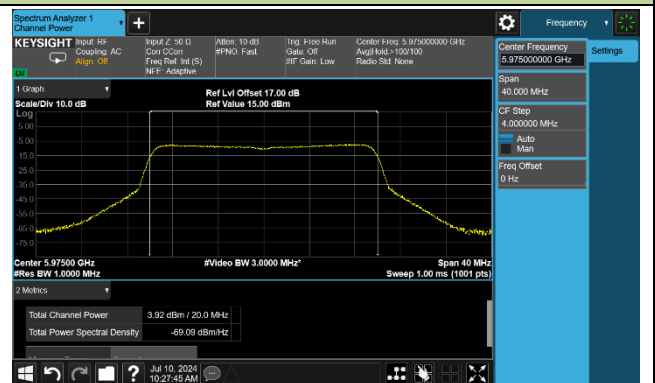
Note: EIRP PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD} / 10)} + 10^{(\text{Ant 1 PSD} / 10)} + 10^{(\text{Ant 2 PSD} / 10)} + 10^{(\text{Ant 3 PSD} / 10)}\} + 10 \cdot \log (1/\text{Duty Cycle}) + \text{Directional Gain for PSD (dBi)}$.

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

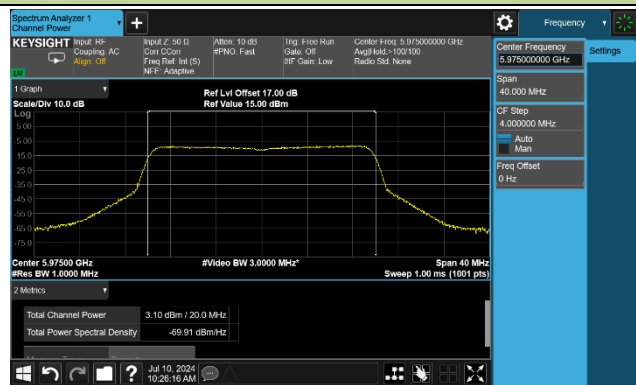
Ant 0



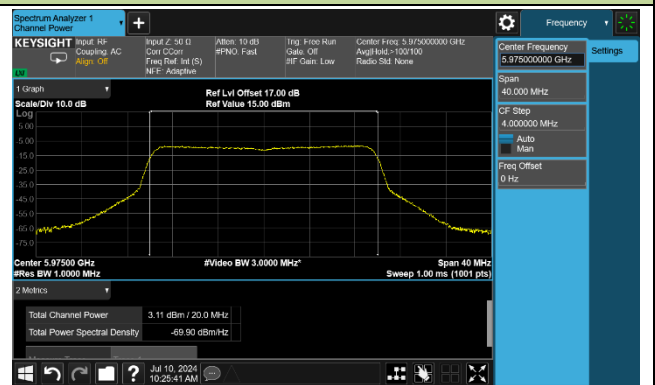
Ant 1



Ant 2

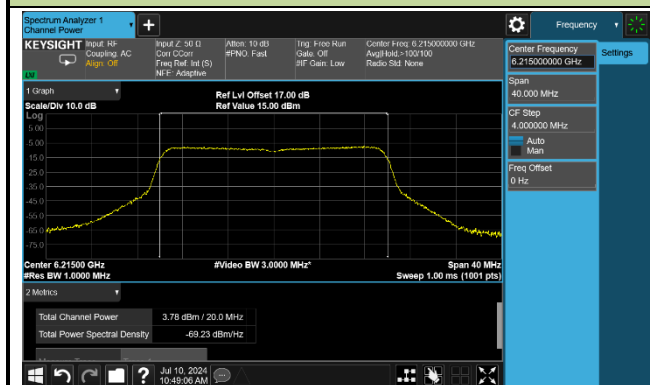


Ant 3

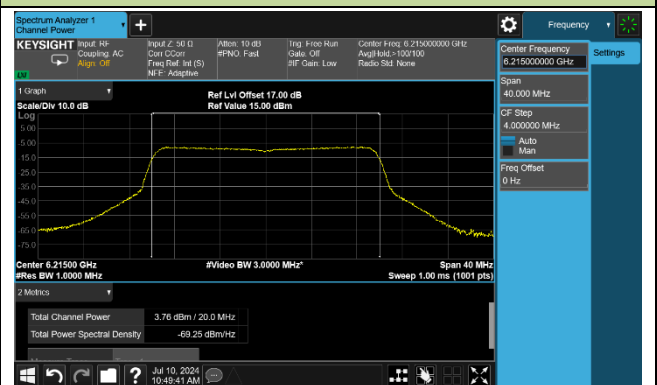


802.11ax-HE20 – Channel 53 (6215MHz) Average Power

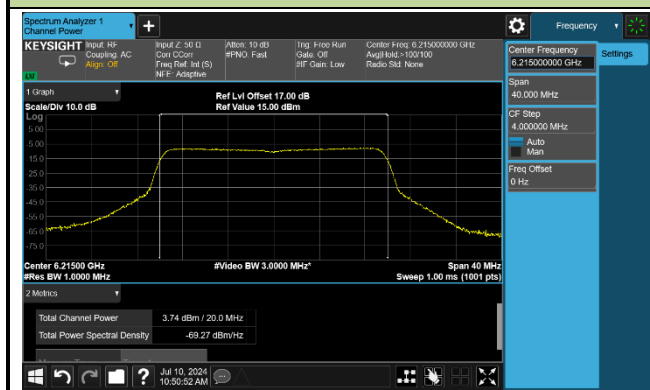
Ant 0



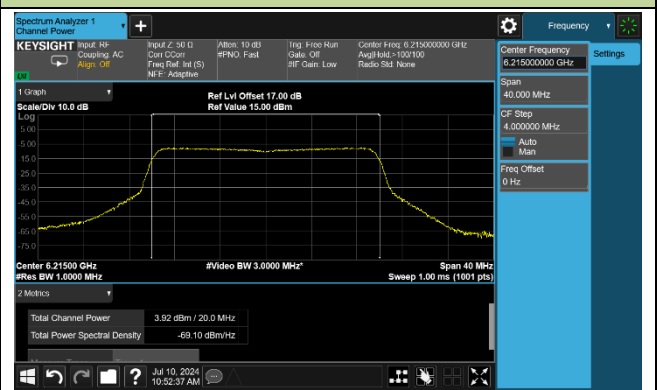
Ant 1



Ant 2

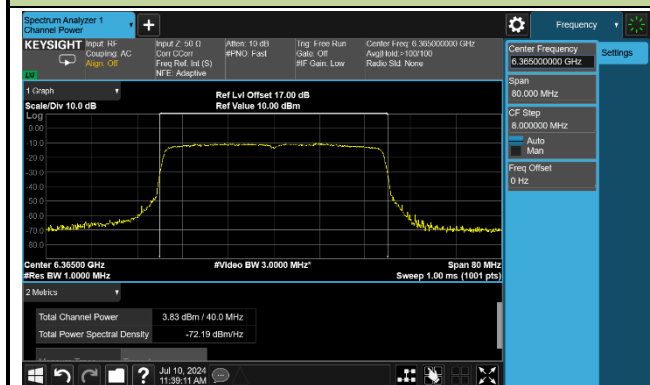


Ant 3

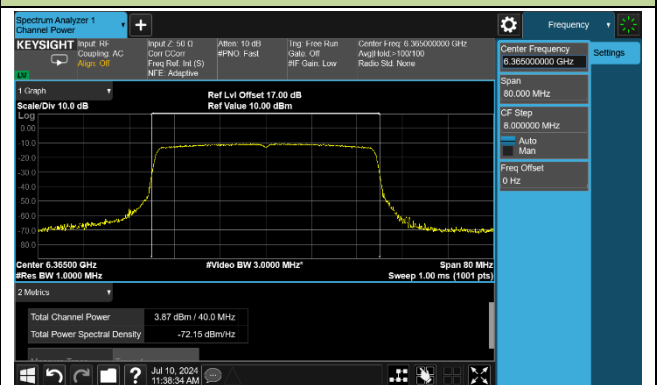


802.11ax-HE40 – Channel 83 (6365MHz) Average Power

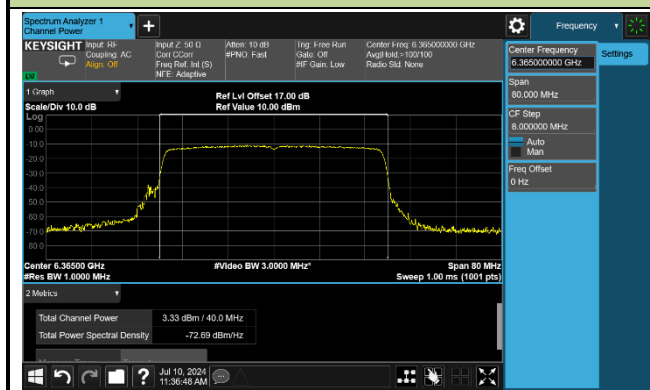
Ant 0



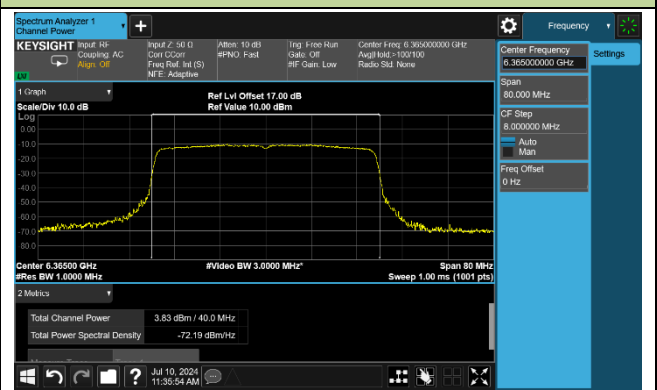
Ant 1



Ant 2

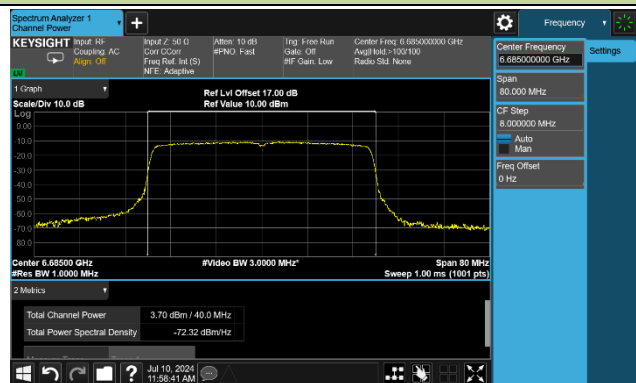


Ant 3

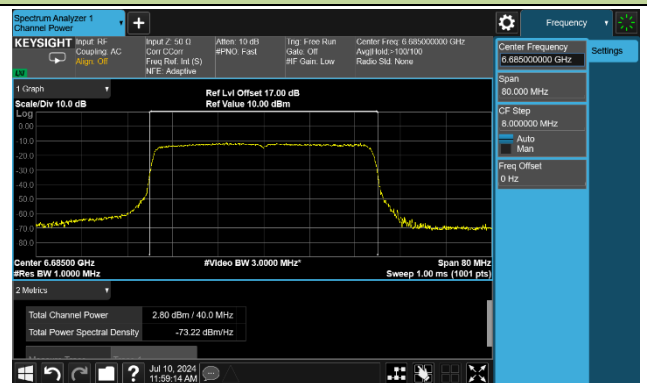


802.11ax-HE40 – Channel 147 (6685MHz) Average Power

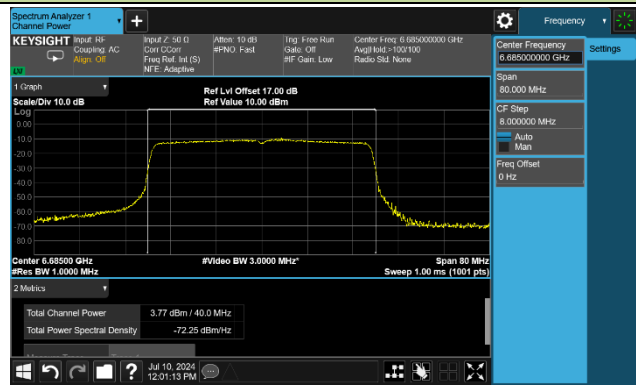
Ant 0



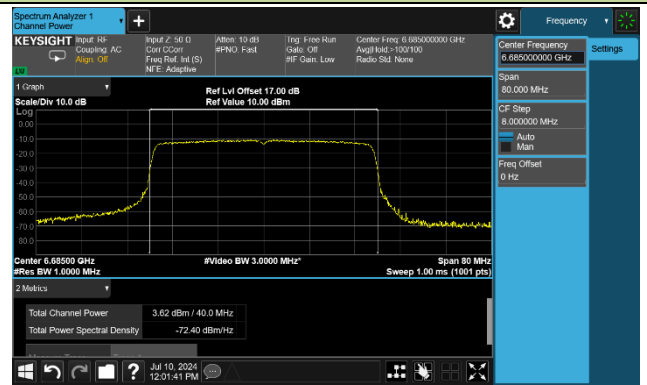
Ant 1



Ant 2



Ant 3

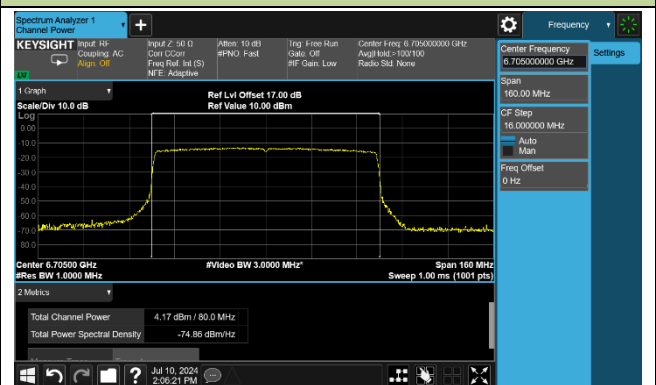


802.11ax-HE80 – Channel151 (6705MHz) Average Power

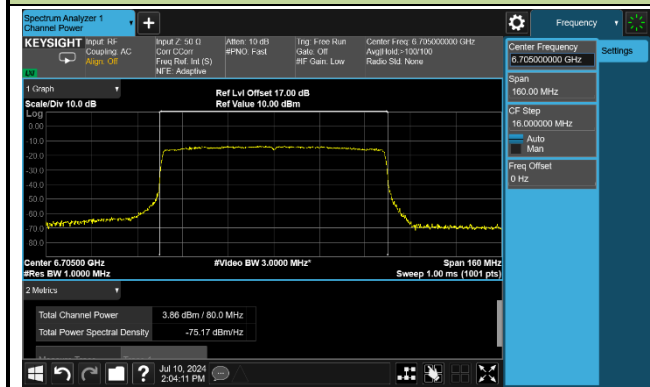
Ant 0



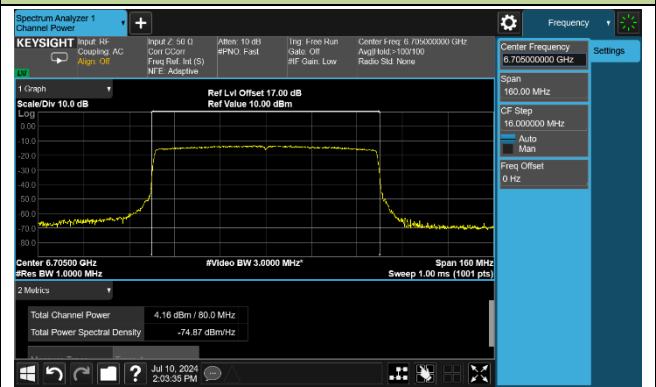
Ant 1



Ant 2



Ant 3

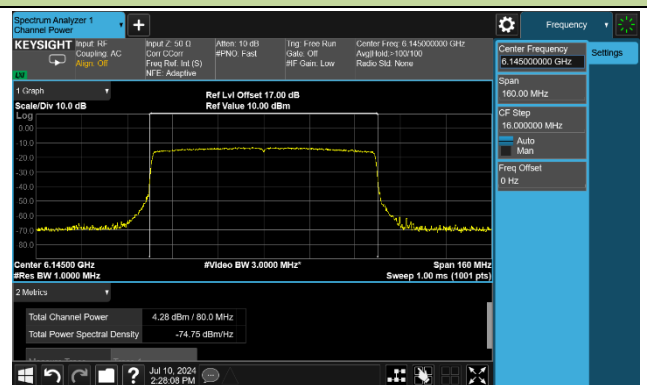


802.11ax-HE80 – Channel 39 (6145MHz) Average Power

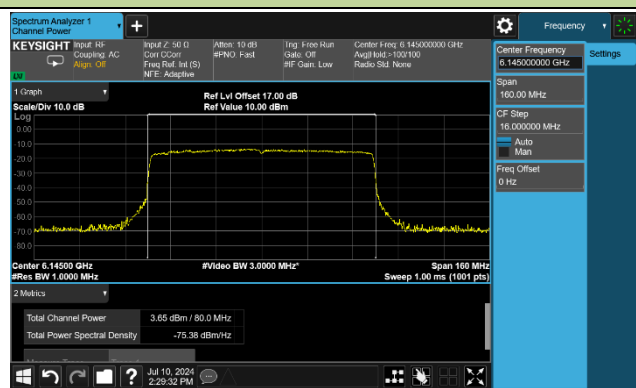
Ant 0



Ant 1



Ant 2

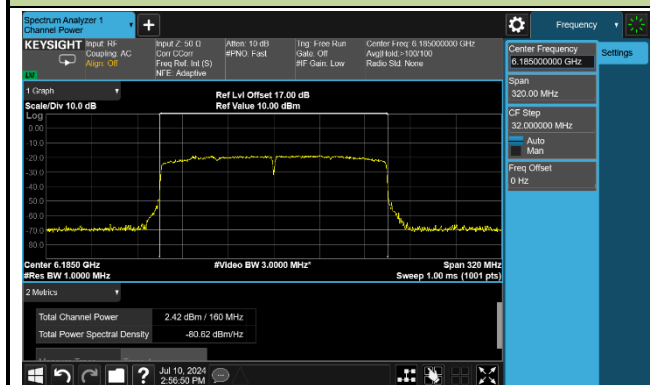


Ant 3

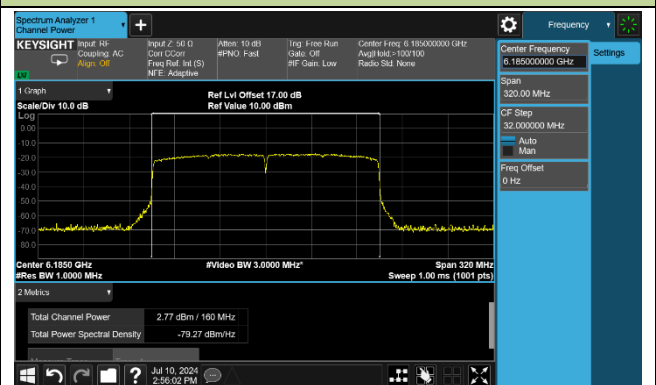


802.11ax-HE160 – Channel 47 (6185MHz) Average Power

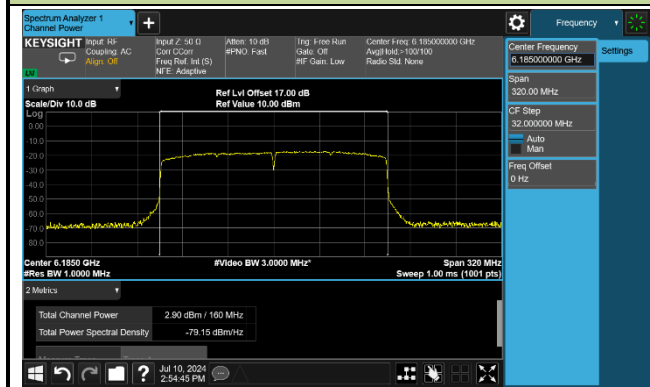
Ant 0



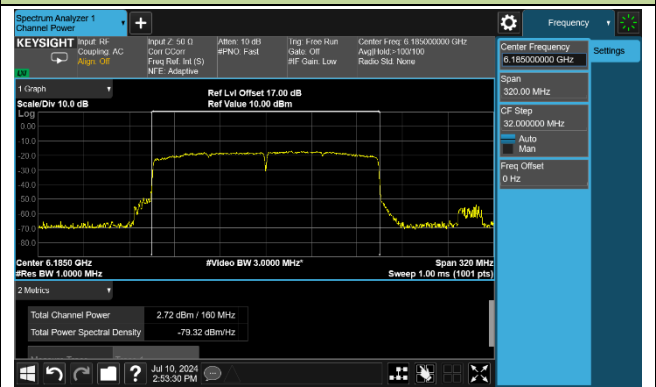
Ant 1



Ant 2

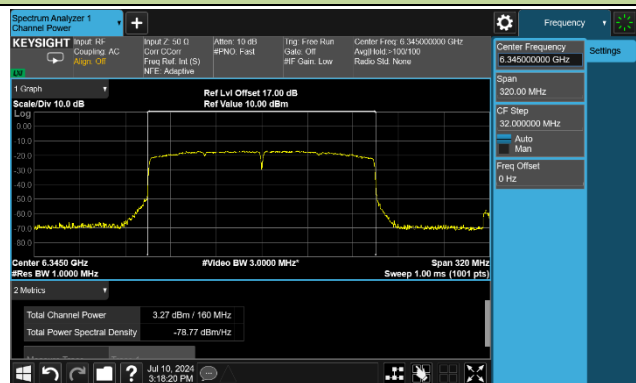


Ant 3

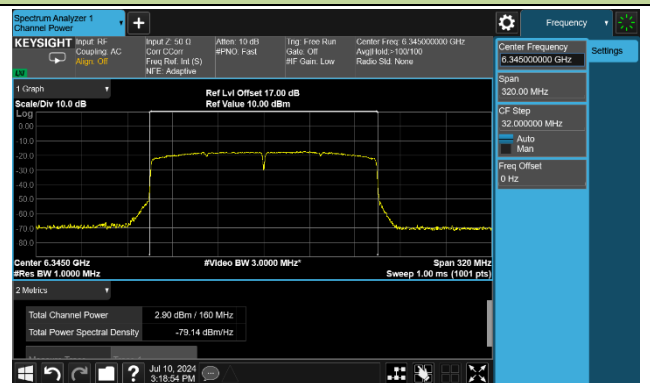


802.11ax-HE160 – Channel 79 (6345MHz) Average Power

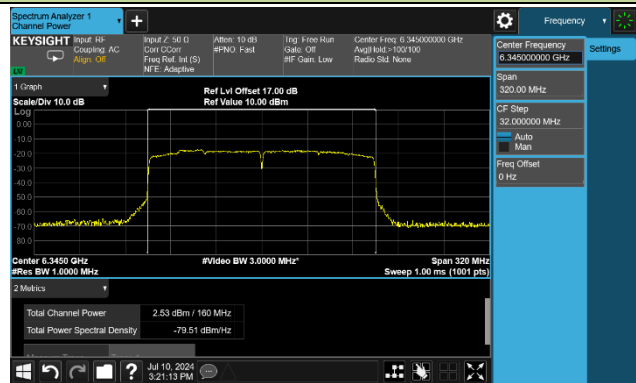
Ant 0



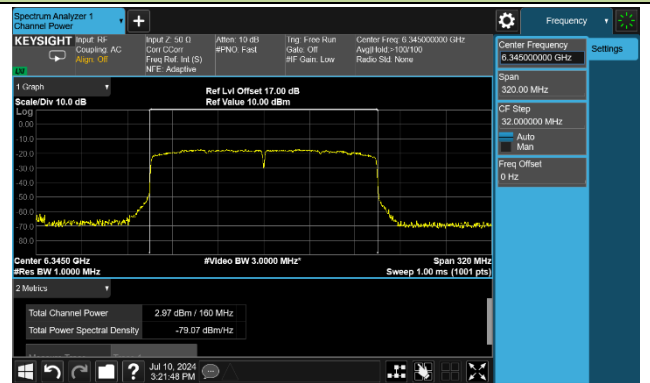
Ant 1



Ant 2

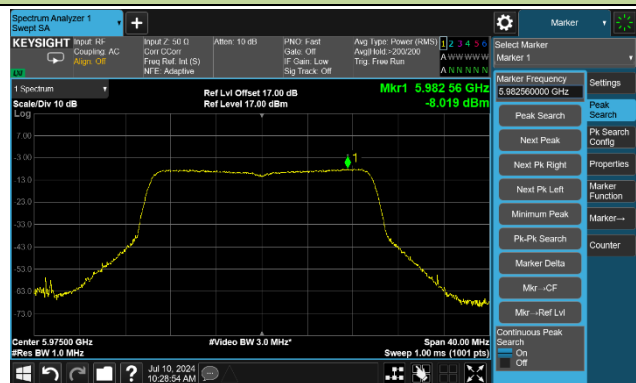


Ant 3

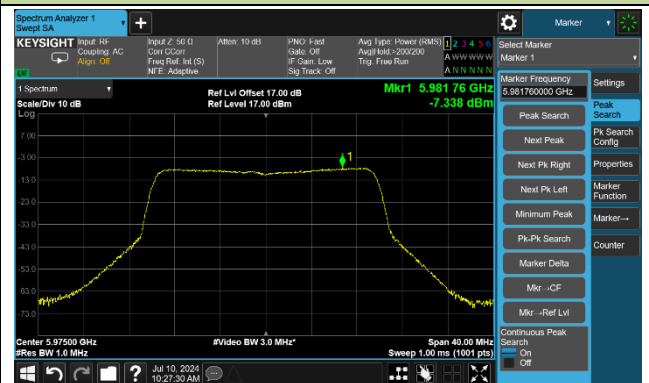


802.11ax-HE20 – Channel 5 (5975MHz) Power Spectral Density

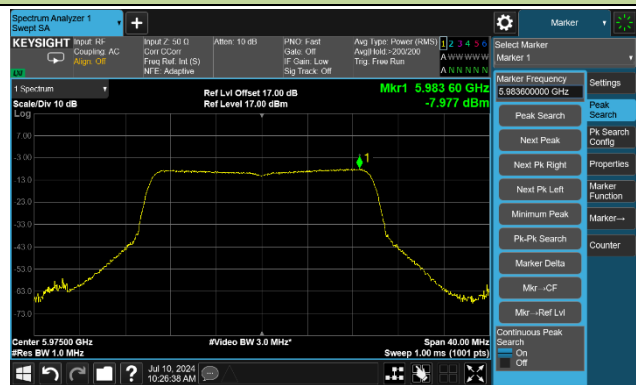
Ant 0



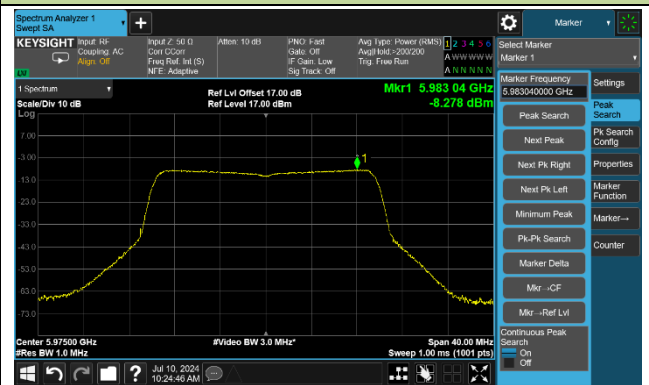
Ant 1



Ant 2

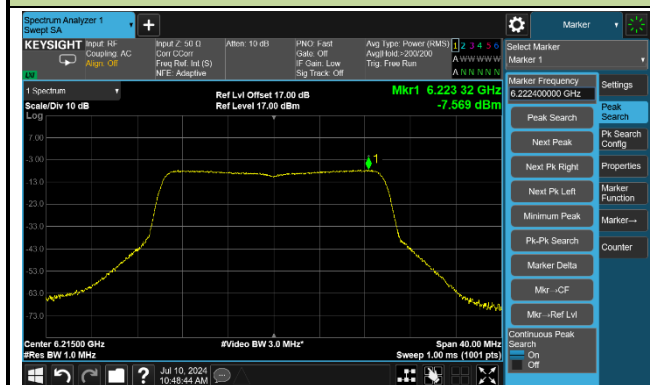


Ant 3



802.11ax-HE20 – Channel 53 (6215MHz) Power Spectral Density

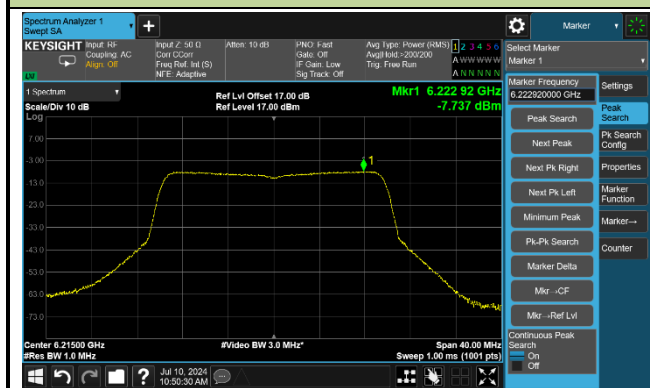
Ant 0



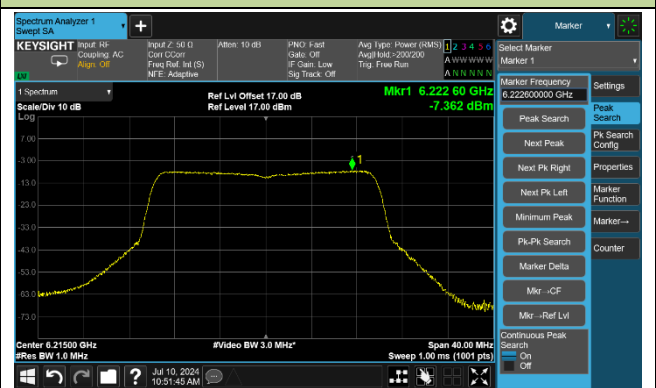
Ant 1



Ant 2

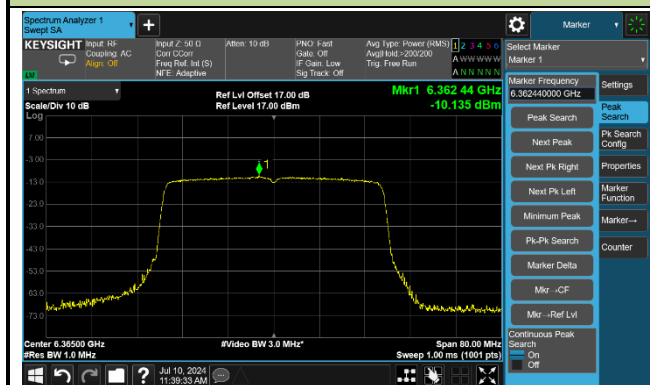


Ant 3

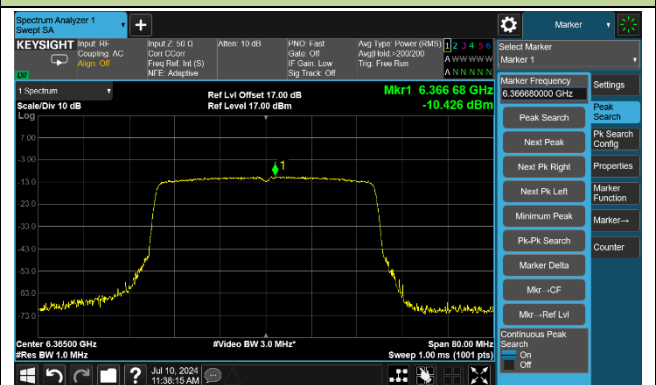


802.11ax-HE40 – Channel 83 (6365MHz) Power Spectral Density

Ant 0



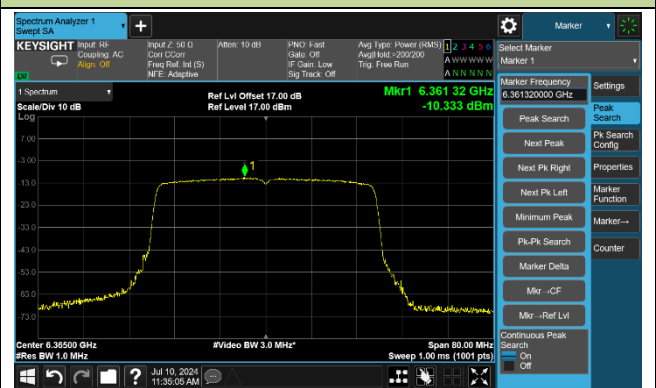
Ant 1



Ant 2

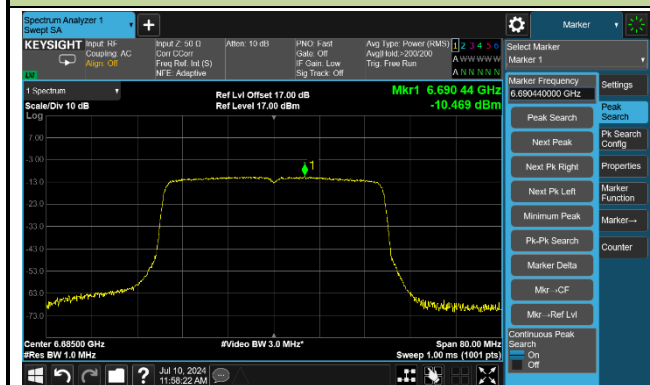


Ant 3

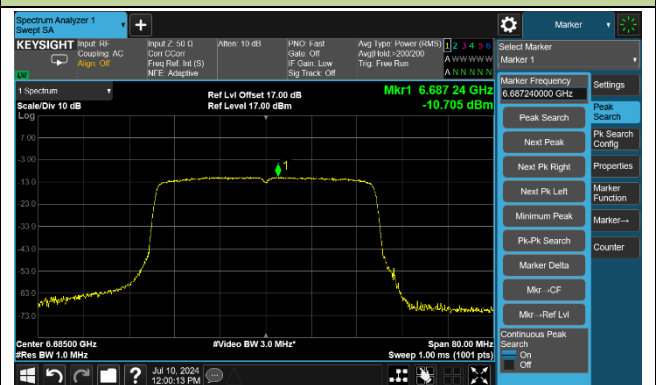


802.11ax-HE40 – Channel 147 (6685MHz) Power Spectral Density

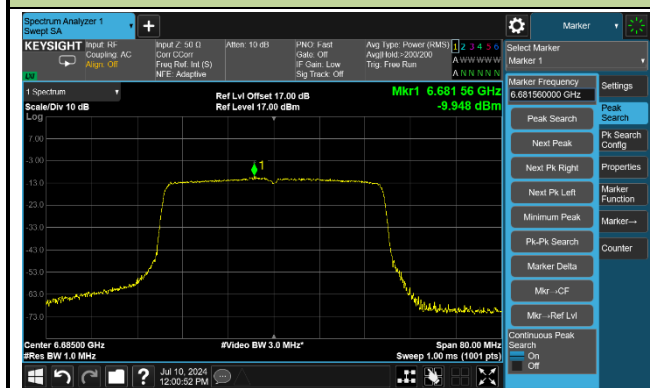
Ant 0



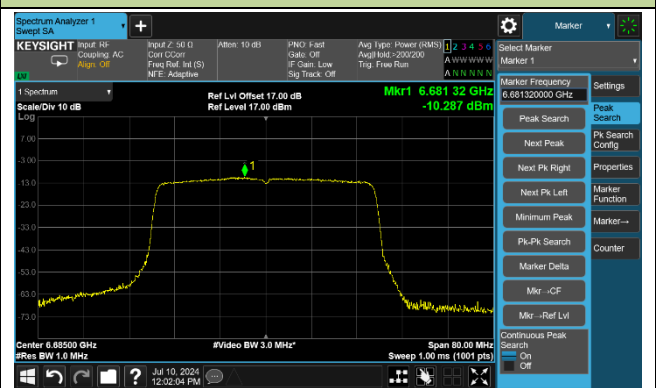
Ant 1



Ant 2



Ant 3



802.11ax-HE80 – Channel151 (6705MHz) Power Spectral Density

Ant 0



Ant 1



Ant 2

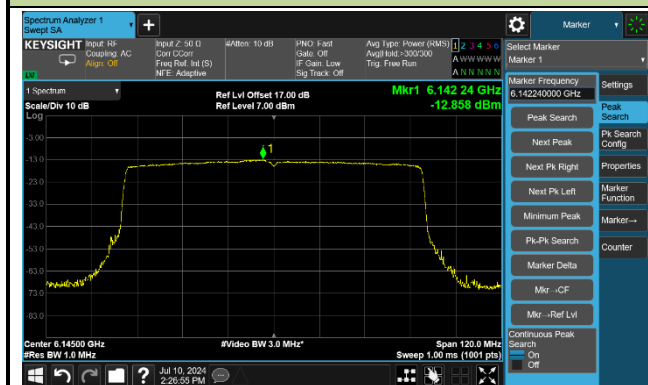


Ant 3



802.11ax-HE80 – Channel 39 (6145MHz) Power Spectral Density

Ant 0



Ant 1



Ant 2



Ant 3

