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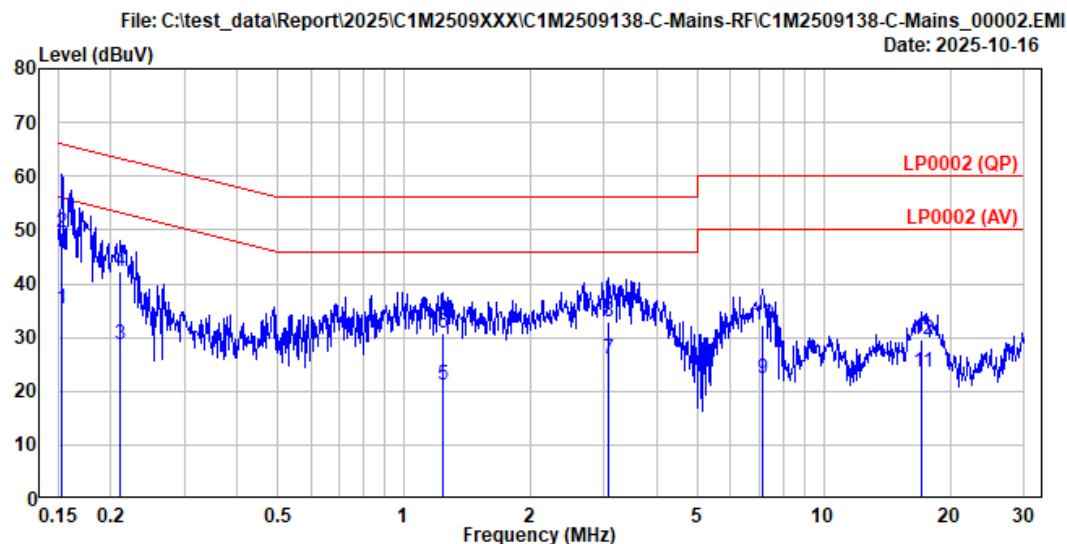
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## A.1 CONDUCTED EMISSION

|              |                                     |            |             |
|--------------|-------------------------------------|------------|-------------|
| Test Date    | 2025/10/16                          | Temp./Hum. | 24°C/61%    |
| Test Voltage | DC 5V (Through jig via Notebook PC) | Tested By  | Bruce Tseng |



|              |                                        |             |           |
|--------------|----------------------------------------|-------------|-----------|
| Site No.     | : No.7 Shielded Room                   | Data No.    | : 2       |
| Instrument 1 | : Receiver ESR(114)                    |             |           |
| Instrument 2 | : ESH2-Z5 (366)(A) CE-07 ESH3-Z2 (495) |             |           |
| Limit        | : LP0002 (QP)                          | Phase       | : Neutral |
| Environment  | : 24°C/61%                             | Test Rating | : 3.3Vdc  |
| EUT Model    | : WCH941M                              | Engineer    | : Bruce   |
| Test Mode    | : Operating                            |             |           |

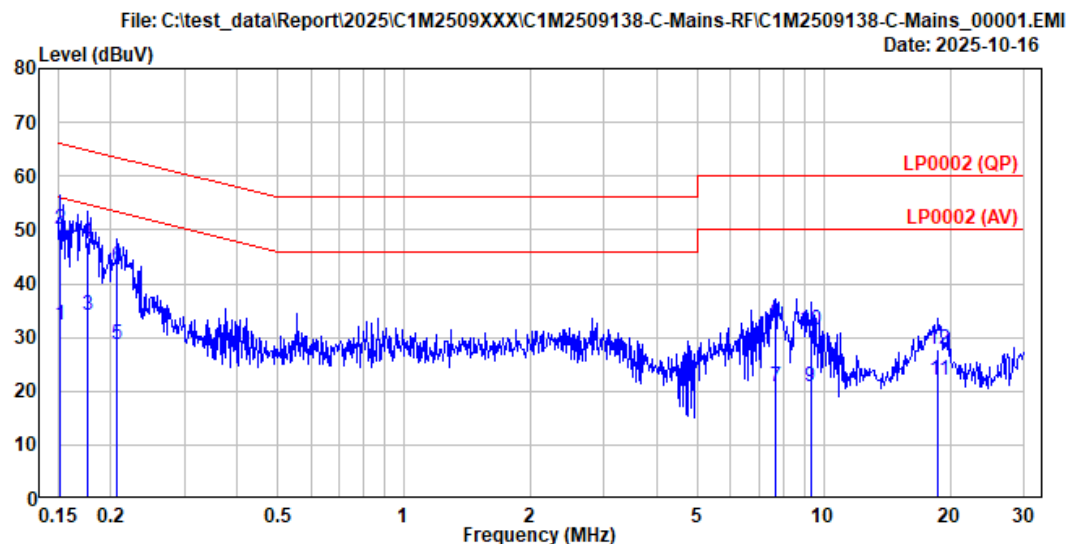
|    | Freq.<br>(MHz) | AMN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Pulse<br>Att.<br>(dB) | Reading<br>(dBμV) | Emission<br>Level<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark  |
|----|----------------|-----------------------|-----------------------|-----------------------|-------------------|-----------------------------|------------------|----------------|---------|
| 1  | 0.152          | 0.17                  | 0.05                  | 9.86                  | 25.27             | 35.35                       | 55.88            | 20.53          | Average |
| 2  | 0.152          | 0.17                  | 0.05                  | 9.86                  | 39.52             | 49.60                       | 65.88            | 16.28          | QP      |
| 3  | 0.211          | 0.17                  | 0.05                  | 9.87                  | 18.73             | 28.82                       | 53.18            | 24.36          | Average |
| 4  | 0.211          | 0.17                  | 0.05                  | 9.87                  | 32.31             | 42.40                       | 63.18            | 20.78          | QP      |
| 5  | 1.235          | 0.20                  | 0.07                  | 9.87                  | 11.06             | 21.20                       | 46.00            | 24.80          | Average |
| 6  | 1.235          | 0.20                  | 0.07                  | 9.87                  | 20.65             | 30.79                       | 56.00            | 25.21          | QP      |
| 7  | 3.060          | 0.25                  | 0.10                  | 9.87                  | 15.62             | 25.84                       | 46.00            | 20.16          | Average |
| 8  | 3.060          | 0.25                  | 0.10                  | 9.87                  | 22.71             | 32.93                       | 56.00            | 23.07          | QP      |
| 9  | 7.140          | 0.29                  | 0.14                  | 9.89                  | 12.11             | 22.43                       | 50.00            | 27.57          | Average |
| 10 | 7.140          | 0.29                  | 0.14                  | 9.89                  | 22.12             | 32.44                       | 60.00            | 27.56          | QP      |
| 11 | 17.166         | 0.49                  | 0.21                  | 9.93                  | 12.88             | 23.51                       | 50.00            | 26.49          | Average |
| 12 | 17.166         | 0.49                  | 0.21                  | 9.93                  | 18.97             | 29.60                       | 60.00            | 30.40          | QP      |

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

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|              |                                     |            |             |
|--------------|-------------------------------------|------------|-------------|
| Test Date    | 2025/10/16                          | Temp./Hum. | 24°C/61%    |
| Test Voltage | DC 5V (Through jig via Notebook PC) | Tested By  | Bruce Tseng |



Site No. : No.7 Shielded Room  
Instrument 1 : Receiver ESR(114)  
Instrument 2 : ESH2-Z5 (366)(A)|CE-07|ESH3-Z2 (495)  
Limit : LP0002 (QP)  
Environment : 24°C/61%  
EUT Model : WCH941M  
Test Mode : Operating

Data No. : 1  
Phase : Line  
Test Rating : 3.3Vdc  
Engineer : Bruce

|    | Freq.<br>(MHz) | AMN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Pulse<br>Att.<br>(dB) | Reading<br>(dBμV) | Emission<br>Level<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark  |
|----|----------------|-----------------------|-----------------------|-----------------------|-------------------|-----------------------------|------------------|----------------|---------|
| 1  | 0.152          | 0.14                  | 0.05                  | 9.86                  | 22.22             | 32.27                       | 55.92            | 23.65          | Average |
| 2  | 0.152          | 0.14                  | 0.05                  | 9.86                  | 39.99             | 50.04                       | 65.92            | 15.88          | QP      |
| 3  | 0.176          | 0.14                  | 0.05                  | 9.87                  | 23.97             | 34.03                       | 54.68            | 20.65          | Average |
| 4  | 0.176          | 0.14                  | 0.05                  | 9.87                  | 37.50             | 47.56                       | 64.68            | 17.12          | QP      |
| 5  | 0.207          | 0.14                  | 0.05                  | 9.87                  | 18.76             | 28.82                       | 53.31            | 24.49          | Average |
| 6  | 0.207          | 0.14                  | 0.05                  | 9.87                  | 33.20             | 43.26                       | 63.31            | 20.05          | QP      |
| 7  | 7.694          | 0.25                  | 0.15                  | 9.89                  | 10.69             | 20.98                       | 50.00            | 29.02          | Average |
| 8  | 7.694          | 0.25                  | 0.15                  | 9.89                  | 22.33             | 32.62                       | 60.00            | 27.38          | QP      |
| 9  | 9.299          | 0.25                  | 0.16                  | 9.89                  | 10.50             | 20.80                       | 50.00            | 29.20          | Average |
| 10 | 9.299          | 0.25                  | 0.16                  | 9.89                  | 21.16             | 31.46                       | 60.00            | 28.54          | QP      |
| 11 | 18.778         | 0.38                  | 0.22                  | 9.94                  | 11.60             | 22.14                       | 50.00            | 27.86          | Average |
| 12 | 18.778         | 0.38                  | 0.22                  | 9.94                  | 17.26             | 27.80                       | 60.00            | 32.20          | QP      |

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

## A.2 RADIATED EMISSION

|              |                                     |            |                |
|--------------|-------------------------------------|------------|----------------|
| Test Date    | 2025/09/18~10/16                    | Temp./Hum. | 23~25°C/46~56% |
| Test Voltage | DC 5V (Through jig via Notebook PC) | Tested By  | Kuper Hsu      |

### A.2.1 Emissions within Restricted Frequency Bands

#### A.2.1.1 Frequency 9kHz~30MHz

**The emissions (9kHz~30MHz) not reported for there is no emission be found.**

#### A.2.1.2 Frequency Below 1GHz

|      |        |           |            |
|------|--------|-----------|------------|
| Mode | 8-DPSK | Frequency | TX 2402MHz |
|------|--------|-----------|------------|

#### Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Reading level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|----------------------|-------------------------|-----------------|-------------|----------|
| 32.000                   | 22.77                 | 1.44            | 26.47                  | 27.19                | 24.93                   | 40.00           | 15.07       | Peak     |
| 203.000                  | 15.40                 | 3.70            | 25.78                  | 39.89                | 33.21                   | 43.50           | 10.29       | Peak     |
| 241.500                  | 17.93                 | 4.10            | 25.70                  | 41.67                | 38.01                   | 46.00           | 7.99        | Peak     |
| 688.500                  | 24.53                 | 7.59            | 27.41                  | 30.02                | 34.73                   | 46.00           | 11.27       | Peak     |
| 914.500                  | 26.53                 | 8.90            | 26.95                  | 35.20                | 43.68                   | 46.00           | 2.32        | Peak     |
| 998.500                  | 27.10                 | 9.37            | 26.70                  | 35.23                | 45.00                   | 54.00           | 9.00        | Peak     |

#### Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Reading level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|----------------------|-------------------------|-----------------|-------------|----------|
| 32.500                   | 22.55                 | 1.45            | 26.47                  | 29.76                | 27.29                   | 40.00           | 12.71       | Peak     |
| 207.000                  | 15.69                 | 3.75            | 25.77                  | 36.56                | 30.22                   | 43.50           | 13.28       | Peak     |
| 346.000                  | 20.30                 | 5.36            | 26.00                  | 35.44                | 35.10                   | 46.00           | 10.90       | Peak     |
| 624.000                  | 24.36                 | 7.26            | 27.39                  | 34.21                | 38.44                   | 46.00           | 7.56        | Peak     |
| 897.000                  | 26.36                 | 8.80            | 27.01                  | 33.57                | 41.72                   | 46.00           | 4.28        | Peak     |
| 960.000                  | 26.83                 | 9.16            | 26.82                  | 29.95                | 39.13                   | 46.00           | 6.87        | Peak     |

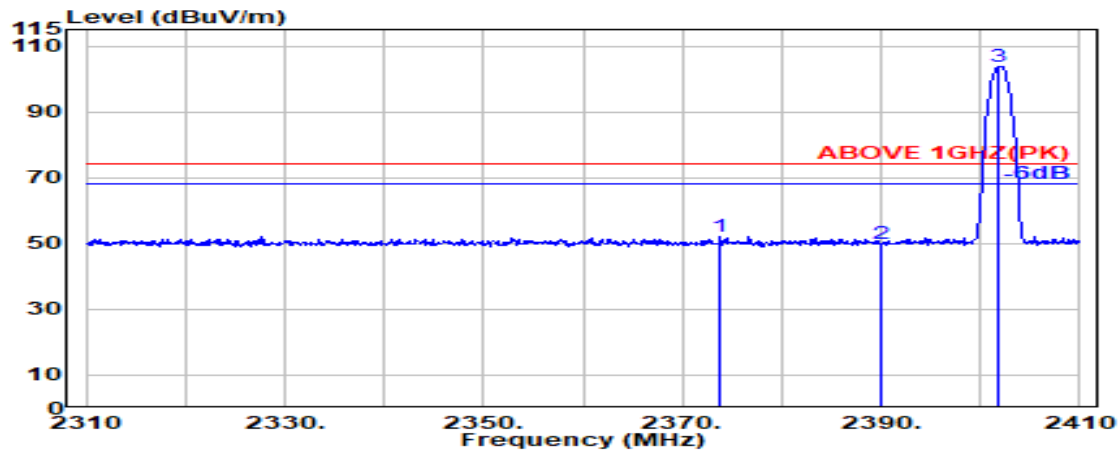
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### A.2.1.3 Frequency Above 1 GHz to 10<sup>th</sup> harmonics

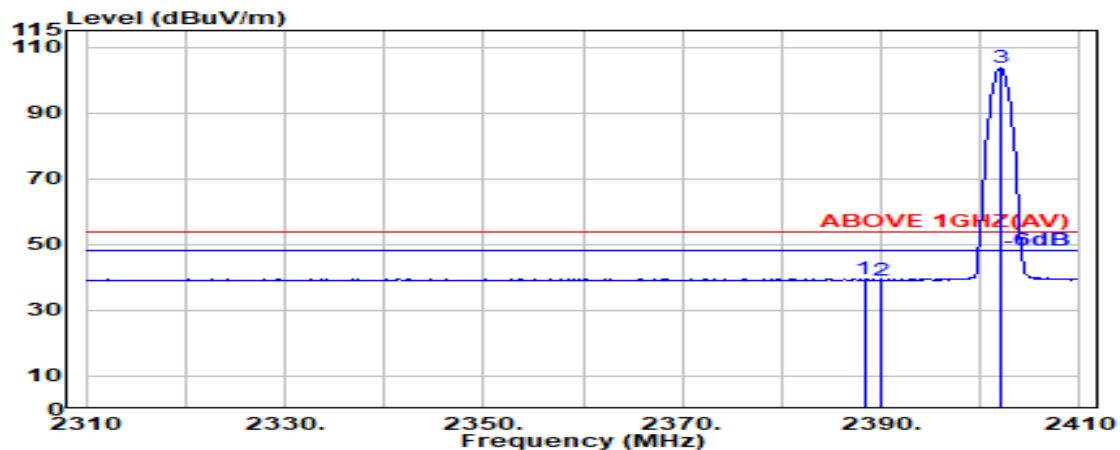
#### Band Edge:

| Mode | GFSK | Frequency | TX 2402MHz |
|------|------|-----------|------------|
|------|------|-----------|------------|



#### Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 2373.800                 | 28.20                 | 5.68            | 39.92                  | 58.27             | 52.23                   | 74.00           | 21.77       | Peak     |
| 2390.000                 | 28.20                 | 5.70            | 39.92                  | 55.74             | 49.73                   | 74.00           | 24.27       | Peak     |
| @ 2401.900               | 28.20                 | 5.72            | 39.92                  | 109.90            | 103.90                  | ---             | ---         | Peak     |



#### Antenna at Horizontal Polarization

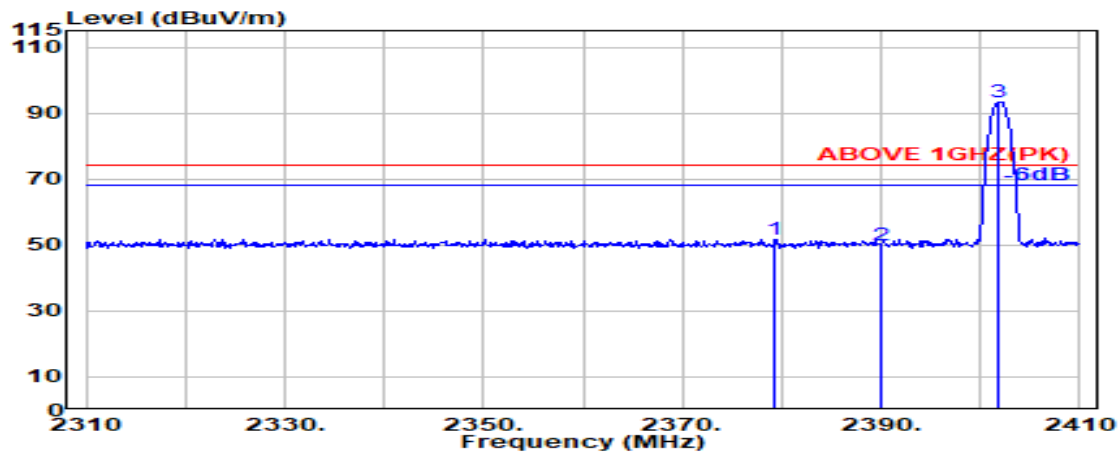
| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 2388.300                 | 28.20                 | 5.70            | 39.92                  | 45.59             | 39.58                   | 54.00           | 14.42       | Average  |
| 2390.000                 | 28.20                 | 5.70            | 39.92                  | 45.20             | 39.19                   | 54.00           | 14.81       | Average  |
| @ 2402.000               | 28.20                 | 5.72            | 39.92                  | 109.52            | 103.52                  | ---             | ---         | Average  |

Remark: The “@” means fundamental frequency, it is ignored in this section.

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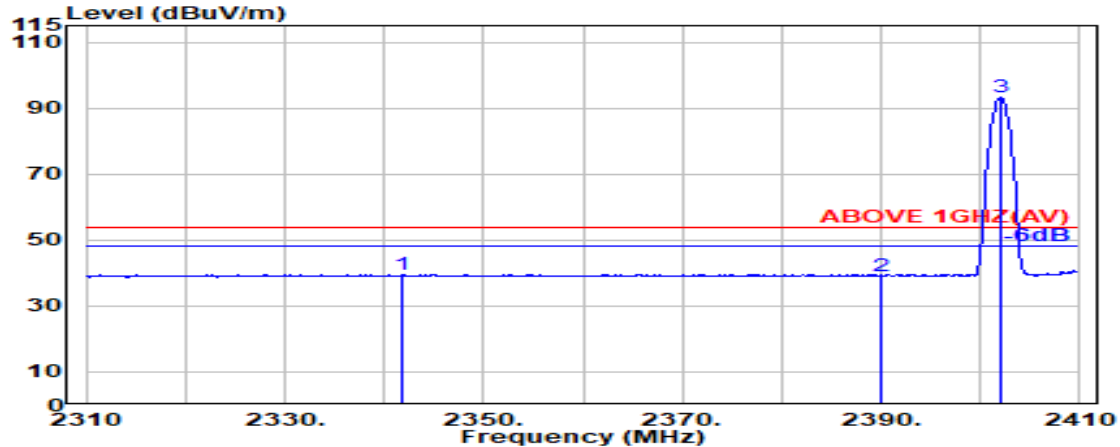
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| Mode | GFSK | Frequency | TX 2402MHz |
|------|------|-----------|------------|
|------|------|-----------|------------|



#### Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 2379.300                 | 28.20                 | 5.69            | 39.92                  | 57.83             | 51.80                   | 74.00           | 22.20       | Peak     |
| 2390.000                 | 28.20                 | 5.70            | 39.92                  | 55.95             | 49.94                   | 74.00           | 24.06       | Peak     |
| @ 2401.900               | 28.20                 | 5.72            | 39.92                  | 99.48             | 93.48                   | ---             | ---         | Peak     |



#### Antenna at Vertical Polarization

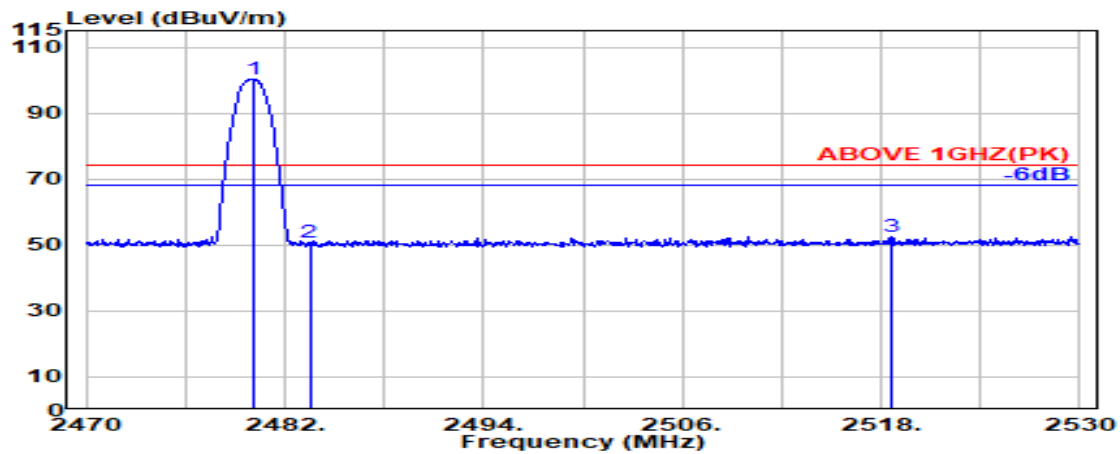
| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 2341.900                 | 28.17                 | 5.64            | 39.92                  | 45.64             | 39.52                   | 54.00           | 14.48       | Average  |
| 2390.000                 | 28.20                 | 5.70            | 39.92                  | 45.20             | 39.19                   | 54.00           | 14.81       | Average  |
| @ 2402.000               | 28.20                 | 5.72            | 39.92                  | 99.08             | 93.09                   | ---             | ---         | Average  |

Remark: The “@” means fundamental frequency, it is ignored in this section.

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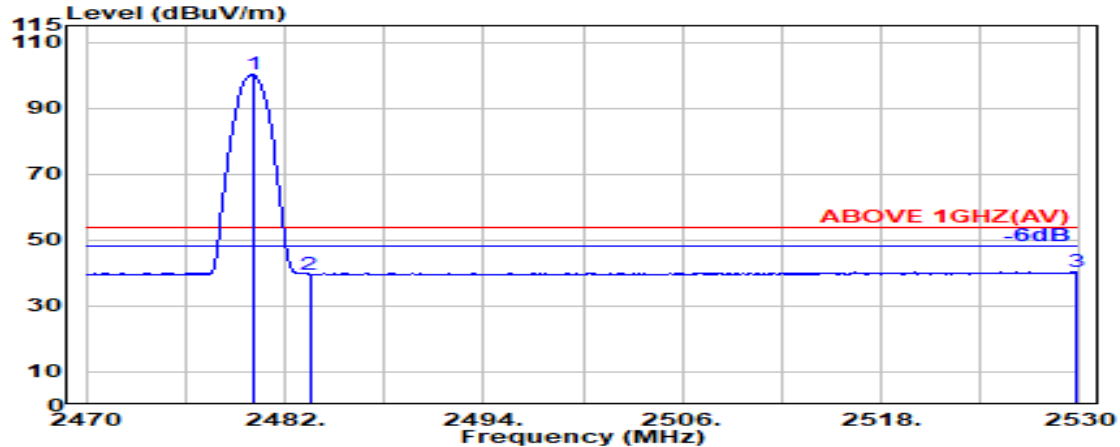
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| Mode | GFSK | Frequency | TX 2480MHz |
|------|------|-----------|------------|
|------|------|-----------|------------|



Antenna at Horizontal Polarization

|   | Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|---|--------------------------|-----------------------|-----------------|------------------|-------------------|-------------------------|-----------------|-------------|----------|
| @ | 2480.050                 | 28.42                 | 5.82            | 39.92            | 106.12            | 100.45                  | ---             | ---         | Peak     |
|   | 2483.500                 | 28.43                 | 5.83            | 39.92            | 56.50             | 50.84                   | 74.00           | 23.16       | Peak     |
|   | 2518.700                 | 28.58                 | 5.87            | 39.92            | 58.20             | 52.72                   | 74.00           | 21.28       | Peak     |



Antenna at Horizontal Polarization

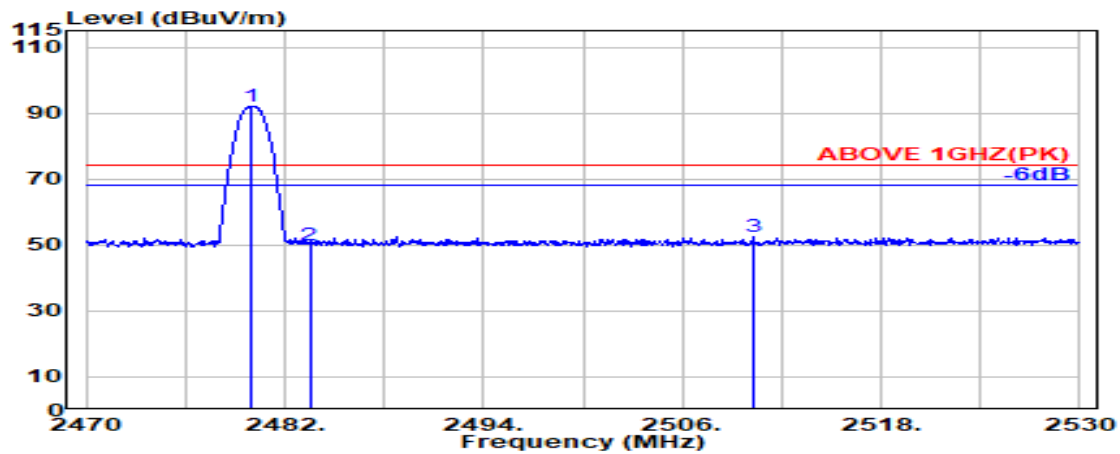
|   | Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|---|--------------------------|-----------------------|-----------------|------------------|-------------------|-------------------------|-----------------|-------------|----------|
| @ | 2480.050                 | 28.42                 | 5.82            | 39.92            | 105.79            | 100.12                  | ---             | ---         | Average  |
|   | 2483.500                 | 28.43                 | 5.83            | 39.92            | 45.14             | 39.48                   | 54.00           | 14.52       | Average  |
|   | 2529.800                 | 28.62                 | 5.88            | 39.93            | 45.86             | 40.44                   | 54.00           | 13.56       | Average  |

Remark: The “@” means fundamental frequency, it is ignored in this section.

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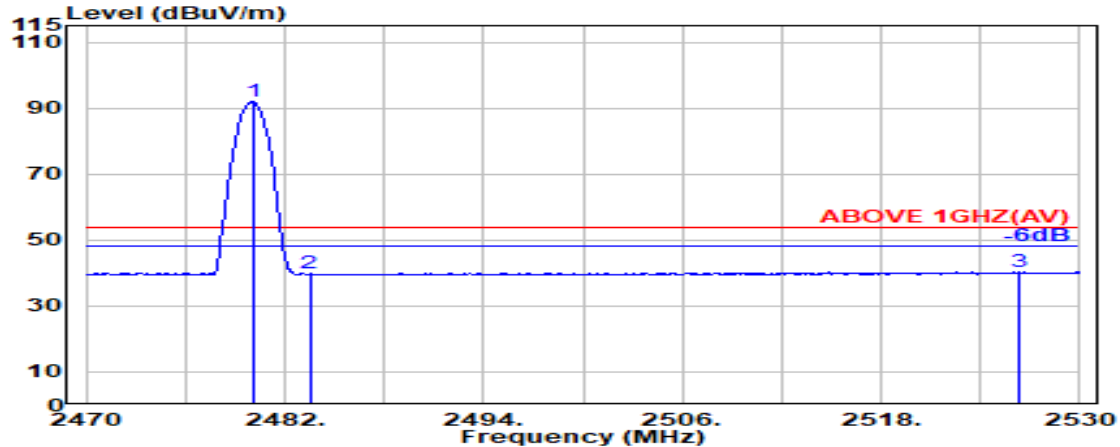
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| Mode | GFSK | Frequency | TX 2480MHz |
|------|------|-----------|------------|
|------|------|-----------|------------|



## Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| @ 2480.000               | 28.42                 | 5.82            | 39.92                  | 97.77             | 92.09                   | ---             | ---         | Peak     |
| 2483.500                 | 28.43                 | 5.83            | 39.92                  | 55.48             | 49.82                   | 74.00           | 24.18       | Peak     |
| 2510.250                 | 28.54                 | 5.86            | 39.92                  | 58.15             | 52.63                   | 74.00           | 21.37       | Peak     |



## Antenna at Vertical Polarization

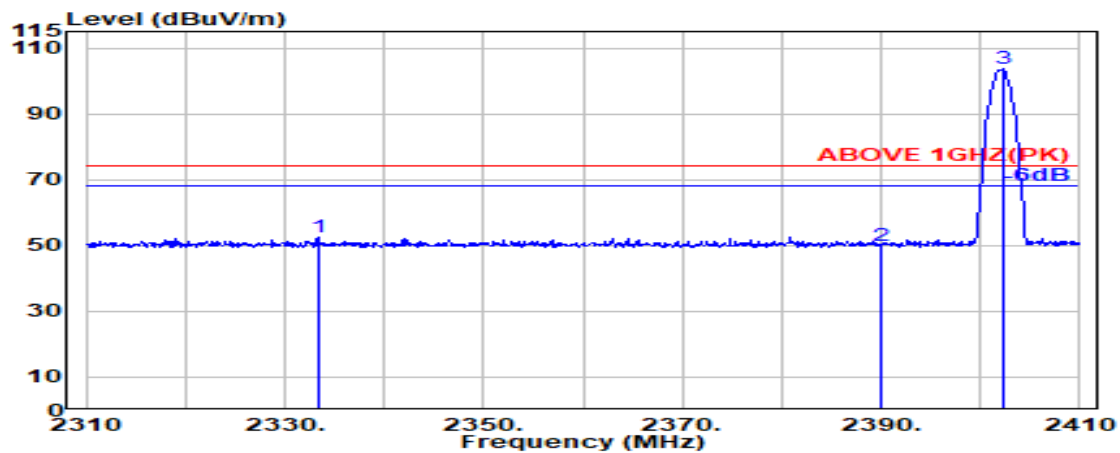
| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| @ 2480.050               | 28.42                 | 5.82            | 39.92                  | 97.51             | 91.83                   | ---             | ---         | Average  |
| 2483.500                 | 28.43                 | 5.83            | 39.92                  | 45.37             | 39.71                   | 54.00           | 14.29       | Average  |
| 2526.400                 | 28.61                 | 5.88            | 39.92                  | 45.80             | 40.37                   | 54.00           | 13.63       | Average  |

Remark: The “@” means fundamental frequency, it is ignored in this section.

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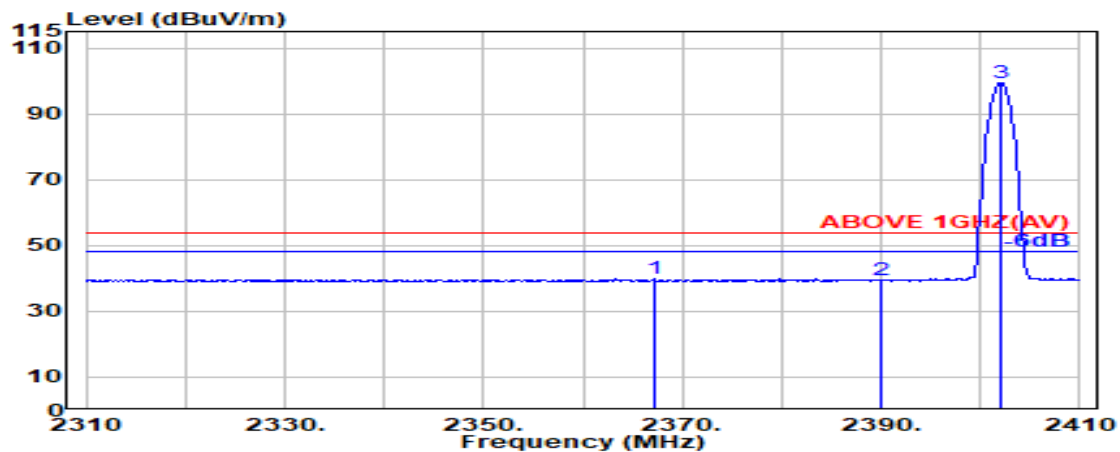
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**Fax:** +886 2 26099303

| Mode | 8-DPSK | Frequency | TX 2402MHz |
|------|--------|-----------|------------|
|------|--------|-----------|------------|



Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 2333.300                 | 28.13                 | 5.62            | 39.92                  | 58.61             | 52.45                   | 74.00           | 21.55       | Peak     |
| 2390.000                 | 28.20                 | 5.70            | 39.92                  | 56.07             | 50.06                   | 74.00           | 23.94       | Peak     |
| @ 2402.200               | 28.20                 | 5.72            | 39.92                  | 109.50            | 103.50                  | ---             | ---         | Peak     |



Antenna at Horizontal Polarization

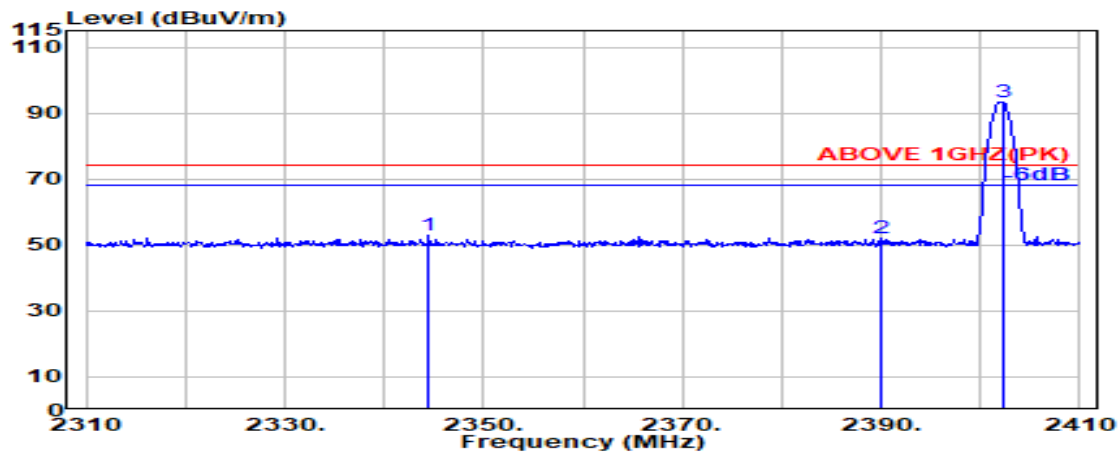
| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 2367.200                 | 28.20                 | 5.67            | 39.92                  | 45.89             | 39.84                   | 54.00           | 14.16       | Average  |
| 2390.000                 | 28.20                 | 5.70            | 39.92                  | 45.35             | 39.33                   | 54.00           | 14.67       | Average  |
| @ 2402.000               | 28.20                 | 5.72            | 39.92                  | 105.41            | 99.42                   | ---             | ---         | Average  |

Remark: The “@” means fundamental frequency, it is ignored in this section.

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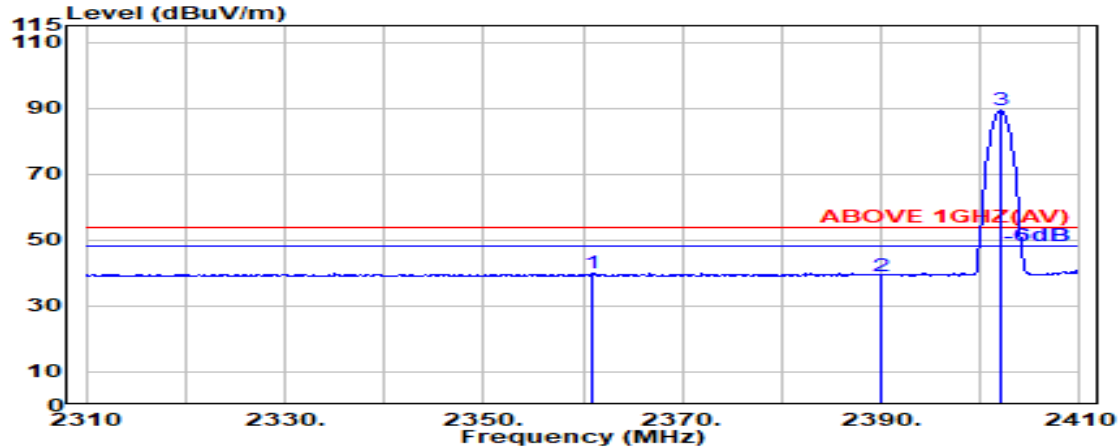
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| Mode | 8-DPSK | Frequency | TX 2402MHz |
|------|--------|-----------|------------|
|------|--------|-----------|------------|



Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 2344.500                 | 28.18                 | 5.64            | 39.92                  | 59.13             | 53.03                   | 74.00           | 20.97       | Peak     |
| 2390.000                 | 28.20                 | 5.70            | 39.92                  | 58.06             | 52.05                   | 74.00           | 21.95       | Peak     |
| @ 2402.200               | 28.20                 | 5.72            | 39.92                  | 99.48             | 93.48                   | ---             | ---         | Peak     |



Antenna at Vertical Polarization

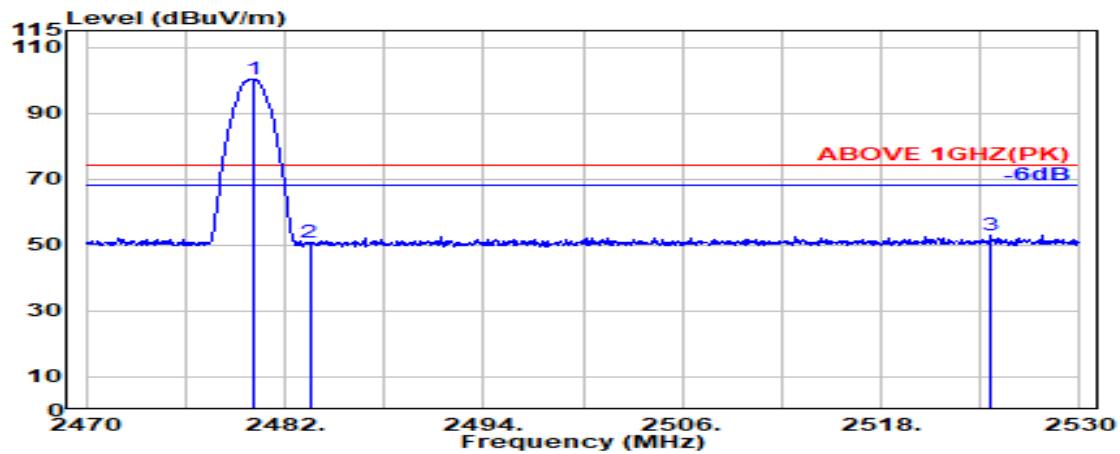
| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| 2361.000                 | 28.20                 | 5.66            | 39.92                  | 45.89             | 39.83                   | 54.00           | 14.17       | Average  |
| 2390.000                 | 28.20                 | 5.70            | 39.92                  | 45.22             | 39.21                   | 54.00           | 14.79       | Average  |
| @ 2402.000               | 28.20                 | 5.72            | 39.92                  | 95.21             | 89.22                   | ---             | ---         | Average  |

Remark: The “@” means fundamental frequency, it is ignored in this section.

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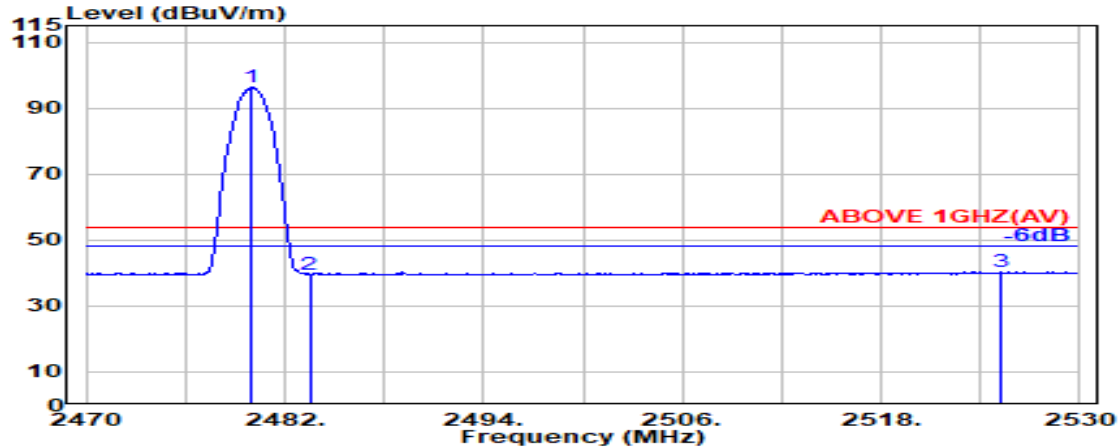
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Fax: +886 2 26099303

| Mode | 8-DPSK | Frequency | TX 2480MHz |
|------|--------|-----------|------------|
|------|--------|-----------|------------|



## Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| @ 2480.150               | 28.42                 | 5.82            | 39.92                  | 105.86            | 100.19                  | ---             | ---         | Peak     |
| 2483.500                 | 28.43                 | 5.83            | 39.92                  | 56.50             | 50.84                   | 74.00           | 23.16       | Peak     |
| 2524.650                 | 28.60                 | 5.88            | 39.92                  | 58.29             | 52.84                   | 74.00           | 21.16       | Peak     |



## Antenna at Horizontal Polarization

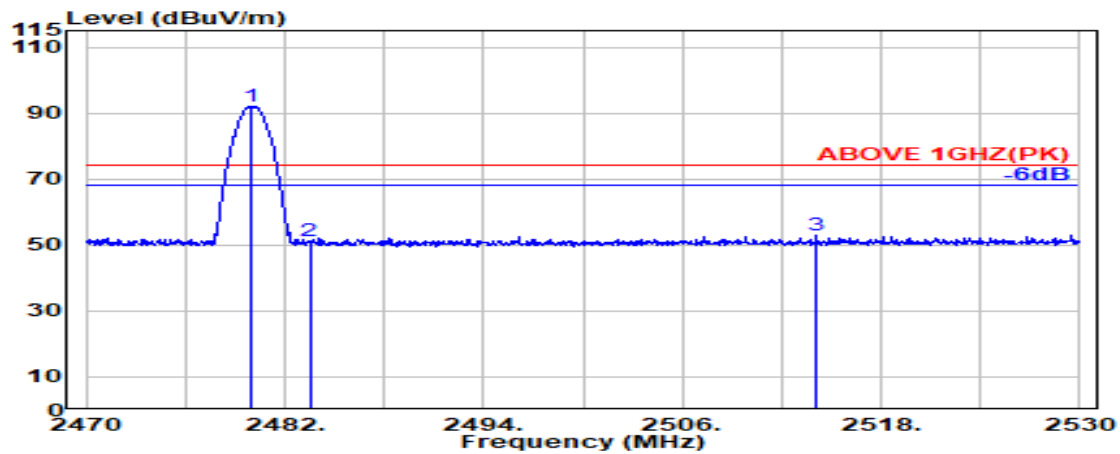
| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| @ 2480.000               | 28.42                 | 5.82            | 39.92                  | 101.94            | 96.27                   | ---             | ---         | Average  |
| 2483.500                 | 28.43                 | 5.83            | 39.92                  | 45.28             | 39.62                   | 54.00           | 14.38       | Average  |
| 2525.200                 | 28.60                 | 5.88            | 39.92                  | 45.71             | 40.26                   | 54.00           | 13.74       | Average  |

Remark: The “@” means fundamental frequency, it is ignored in this section.

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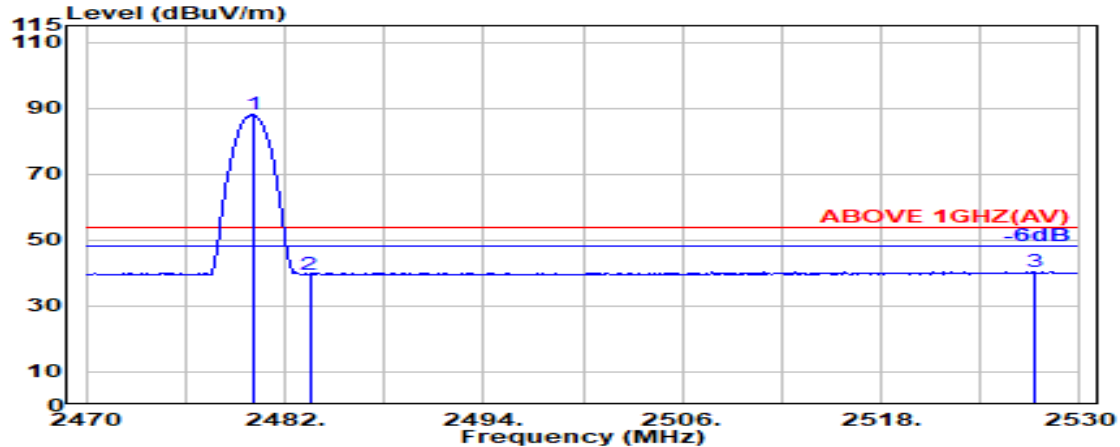
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|      |        |           |            |
|------|--------|-----------|------------|
| Mode | 8-DPSK | Frequency | TX 2480MHz |
|------|--------|-----------|------------|



## Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| @ 2479.900               | 28.42                 | 5.82            | 39.92                  | 97.57             | 91.89                   | ---             | ---         | Peak     |
| 2483.500                 | 28.43                 | 5.83            | 39.92                  | 56.84             | 51.19                   | 74.00           | 22.81       | Peak     |
| 2514.050                 | 28.56                 | 5.87            | 39.92                  | 58.51             | 53.01                   | 74.00           | 20.99       | Peak     |



## Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Read Level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|-------------------|-------------------------|-----------------|-------------|----------|
| @ 2480.100               | 28.42                 | 5.82            | 39.92                  | 93.68             | 88.00                   | ---             | ---         | Average  |
| 2483.500                 | 28.43                 | 5.83            | 39.92                  | 45.28             | 39.62                   | 54.00           | 14.38       | Average  |
| 2527.200                 | 28.61                 | 5.88            | 39.92                  | 45.80             | 40.37                   | 54.00           | 13.63       | Average  |

Remark: The “@” means fundamental frequency, it is ignored in this section.

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The emissions (up to 25GHz) not reported for there is no emission be found.

| Mode | GFSK | Frequency | TX 2402MHz |
|------|------|-----------|------------|
|------|------|-----------|------------|

**Antenna at Horizontal Polarization**

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Reading level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|----------------------|-------------------------|-----------------|-------------|----------|
| 4804.000                 | 32.72                 | 8.02            | 39.18                  | 39.86                | 41.42                   | 74.00           | 32.58       | Peak     |
| 7206.000                 | 36.22                 | 10.26           | 39.43                  | 46.54                | 53.59                   | 74.00           | 20.41       | Peak     |

| Frequency (MHz) | Peak Value (dBμV/m) | Duty Cycle Correction Factor (dB) | Average Value (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark  |
|-----------------|---------------------|-----------------------------------|------------------------|----------------|-------------|---------|
| 4804            | 41.42               | -30.81                            | 10.61                  | 54.00          | 43.39       | Average |
| 7206            | 53.59               | 0.00                              | 53.59                  | 77.34          | 23.75       | Average |

**Antenna at Vertical Polarization**

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Reading level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|----------------------|-------------------------|-----------------|-------------|----------|
| 4804.000                 | 32.72                 | 8.02            | 39.18                  | 41.43                | 42.99                   | 74.00           | 31.01       | Peak     |

| Frequency (MHz) | Peak Value (dBμV/m) | Duty Cycle Correction Factor (dB) | Average Value (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark  |
|-----------------|---------------------|-----------------------------------|------------------------|----------------|-------------|---------|
| 4804            | 42.99               | -30.81                            | 12.18                  | 54.00          | 41.82       | Average |

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| Mode | GFSK | Frequency | TX 2441MHz |
|------|------|-----------|------------|
|------|------|-----------|------------|

**Antenna at Horizontal Polarization**

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Reading level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|----------------------|-------------------------|-----------------|-------------|----------|
| 4882.000                 | 33.03                 | 8.08            | 39.15                  | 39.68                | 41.64                   | 74.00           | 32.36       | Peak     |
| 7323.000                 | 36.55                 | 10.32           | 39.47                  | 53.32                | 60.72                   | 74.00           | 13.28       | Peak     |

| Frequency (MHz) | Peak Value (dBμV/m) | Duty Cycle Correction Factor (dB) | Average Value (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark  |
|-----------------|---------------------|-----------------------------------|------------------------|----------------|-------------|---------|
| 4882            | 41.64               | -30.81                            | 10.83                  | 54.00          | 43.17       | Average |
| 7323            | 60.72               | -30.81                            | 29.91                  | 54.00          | 24.09       | Average |

**Antenna at Vertical Polarization**

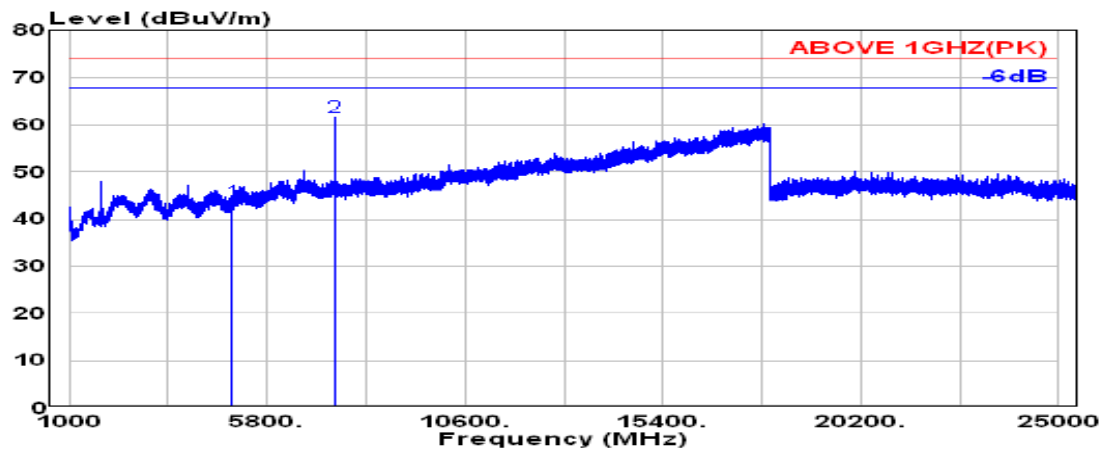
| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Reading level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|----------------------|-------------------------|-----------------|-------------|----------|
| 4882.000                 | 33.03                 | 8.08            | 39.15                  | 41.22                | 43.18                   | 74.00           | 30.82       | Peak     |
| 7323.000                 | 36.55                 | 10.32           | 39.47                  | 46.42                | 53.82                   | 74.00           | 20.18       | Peak     |

| Frequency (MHz) | Peak Value (dBμV/m) | Duty Cycle Correction Factor (dB) | Average Value (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark  |
|-----------------|---------------------|-----------------------------------|------------------------|----------------|-------------|---------|
| 4882            | 43.18               | -30.81                            | 12.37                  | 54.00          | 41.63       | Average |
| 7323            | 53.82               | -30.81                            | 23.01                  | 54.00          | 30.99       | Average |

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|      |      |           |            |
|------|------|-----------|------------|
| Mode | GFSK | Frequency | TX 2480MHz |
|------|------|-----------|------------|

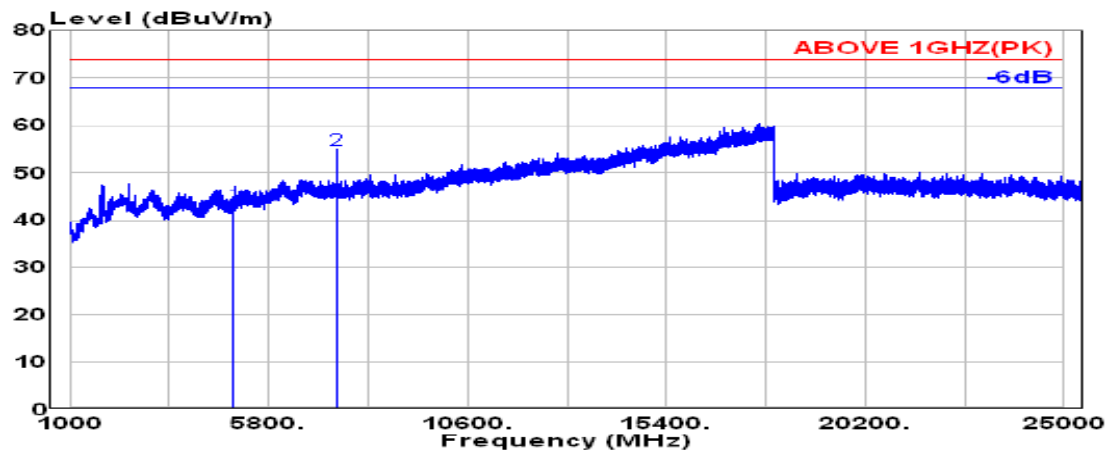


#### Antenna at Horizontal Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Reading level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|----------------------|-------------------------|-----------------|-------------|----------|
| 4960.000                 | 33.22                 | 8.13            | 39.12                  | 41.63                | 43.87                   | 74.00           | 30.13       | Peak     |
| 7440.000                 | 36.40                 | 10.38           | 39.50                  | 54.30                | 61.58                   | 74.00           | 12.42       | Peak     |

| Frequency (MHz) | Peak Value (dBμV/m) | Duty Cycle Correction Factor (dB) | Average Value (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark  |
|-----------------|---------------------|-----------------------------------|------------------------|----------------|-------------|---------|
| 4960            | 43.87               | -30.81                            | 13.06                  | 54.00          | 40.94       | Average |
| 7440            | 61.58               | -30.81                            | 30.77                  | 54.00          | 23.23       | Average |

|      |      |           |            |
|------|------|-----------|------------|
| Mode | GFSK | Frequency | TX 2480MHz |
|------|------|-----------|------------|



#### Antenna at Vertical Polarization

| Emission Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamplifier Gain (dB) | Reading level (dBμV) | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector |
|--------------------------|-----------------------|-----------------|------------------------|----------------------|-------------------------|-----------------|-------------|----------|
| 4960.000                 | 33.22                 | 8.13            | 39.12                  | 41.03                | 43.27                   | 74.00           | 30.73       | Peak     |
| 7441.000                 | 36.40                 | 10.38           | 39.50                  | 47.59                | 54.87                   | 74.00           | 19.13       | Peak     |

| Frequency (MHz) | Peak Value (dBμV/m) | Duty Cycle Correction Factor (dB) | Average Value (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Remark  |
|-----------------|---------------------|-----------------------------------|------------------------|----------------|-------------|---------|
| 4960            | 43.27               | -30.81                            | 12.46                  | 54.00          | 41.54       | Average |
| 7440            | 54.87               | -30.81                            | 24.06                  | 54.00          | 29.94       | Average |

#### A.2.3 Emissions in Non-restricted Frequency Bands

All emission levels below the FCC 15.209(a)/RSS-Gen Section 8.9 table 4 general radiated emissions limits is not required.

## A.3 20dB BANDWIDTH

|              |                                     |            |                |
|--------------|-------------------------------------|------------|----------------|
| Test Date    | 2025/10/13~11/05                    | Temp./Hum. | 23~26°C/56~68% |
| Cable Loss   | 1.00dB, 1.27dB                      | Tested By  | Sean Wang      |
| Test Voltage | DC 5V (Through jig via Notebook PC) |            |                |

### A.3.1 20dB Bandwidth Result

#### BT1

| Mode   | Centre Frequency (MHz) | 20dB Bandwidth (MHz) | 99%Occupied Bandwidth (MHz) (Reference only) | 2/3 (20dB Bandwidth) |
|--------|------------------------|----------------------|----------------------------------------------|----------------------|
| GFSK   | 2402                   | 0.7875               | 0.76164                                      | 0.525                |
|        | 2441                   | 0.7876               | 0.75740                                      | 0.525                |
|        | 2480                   | 0.7875               | 0.75655                                      | 0.525                |
| 8-DPSK | 2402                   | 1.243                | 1.1537                                       | 0.829                |
|        | 2441                   | 1.242                | 1.1522                                       | 0.828                |
|        | 2480                   | 1.233                | 1.1592                                       | 0.822                |

Remark: The maximum two-thirds of the 20dB bandwidth is the limit for carrier frequency separation presented.

#### BT2

| Mode   | Centre Frequency (MHz) | 20dB Bandwidth (MHz) | 99%Occupied Bandwidth (MHz) (Reference only) | 2/3 (20dB Bandwidth) |
|--------|------------------------|----------------------|----------------------------------------------|----------------------|
| GFSK   | 2402                   | 0.7872               | 0.76016                                      | 0.525                |
|        | 2441                   | 0.7873               | 0.75878                                      | 0.525                |
|        | 2480                   | 0.7870               | 0.76033                                      | 0.525                |
| 8-DPSK | 2402                   | 1.243                | 1.1529                                       | 0.829                |
|        | 2441                   | 1.242                | 1.1533                                       | 0.828                |
|        | 2480                   | 1.243                | 1.1516                                       | 0.829                |

Remark: The maximum two-thirds of the 20dB bandwidth is the limit for carrier frequency separation presented.

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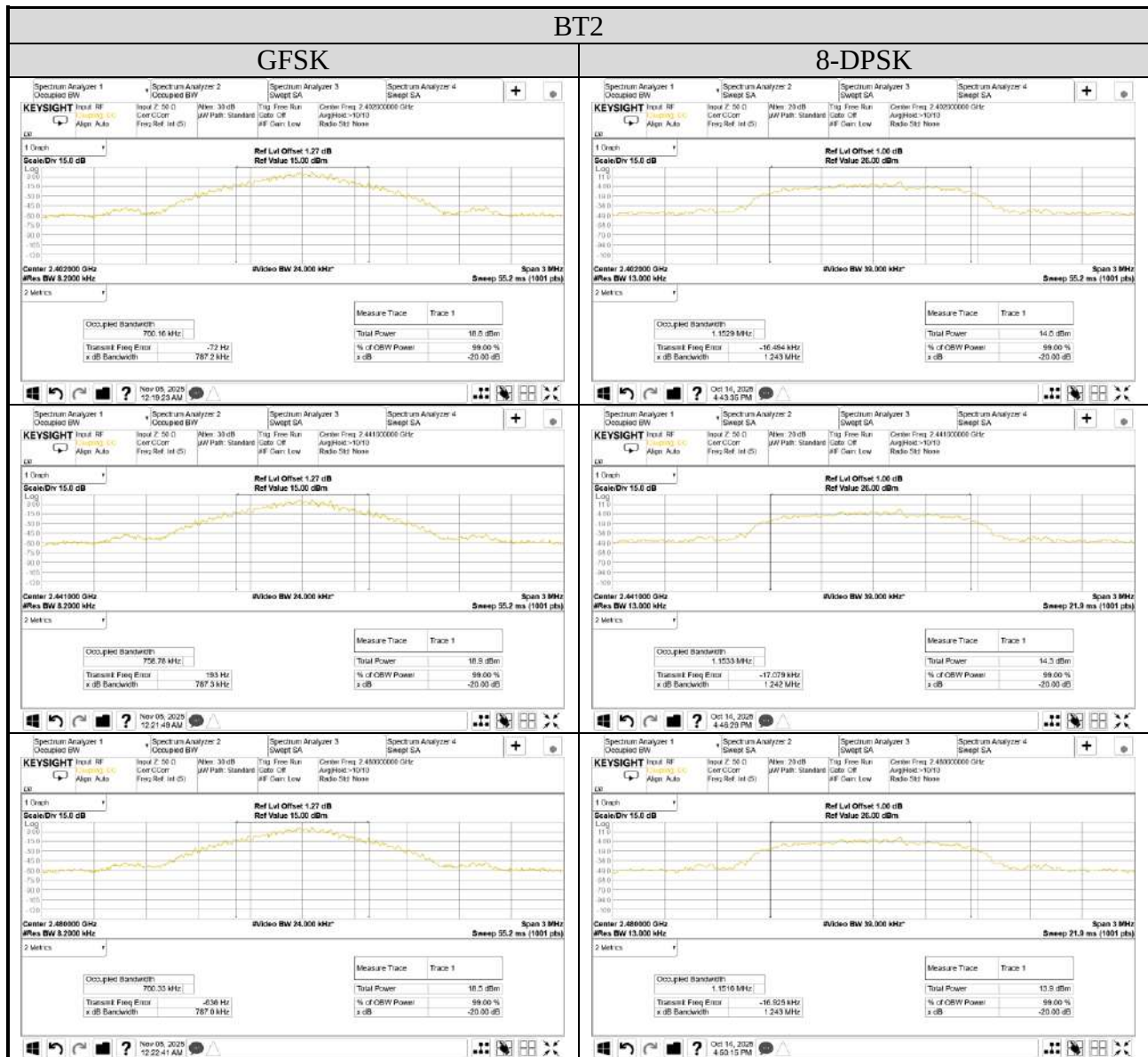
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### A.3.2 Measurement Plots



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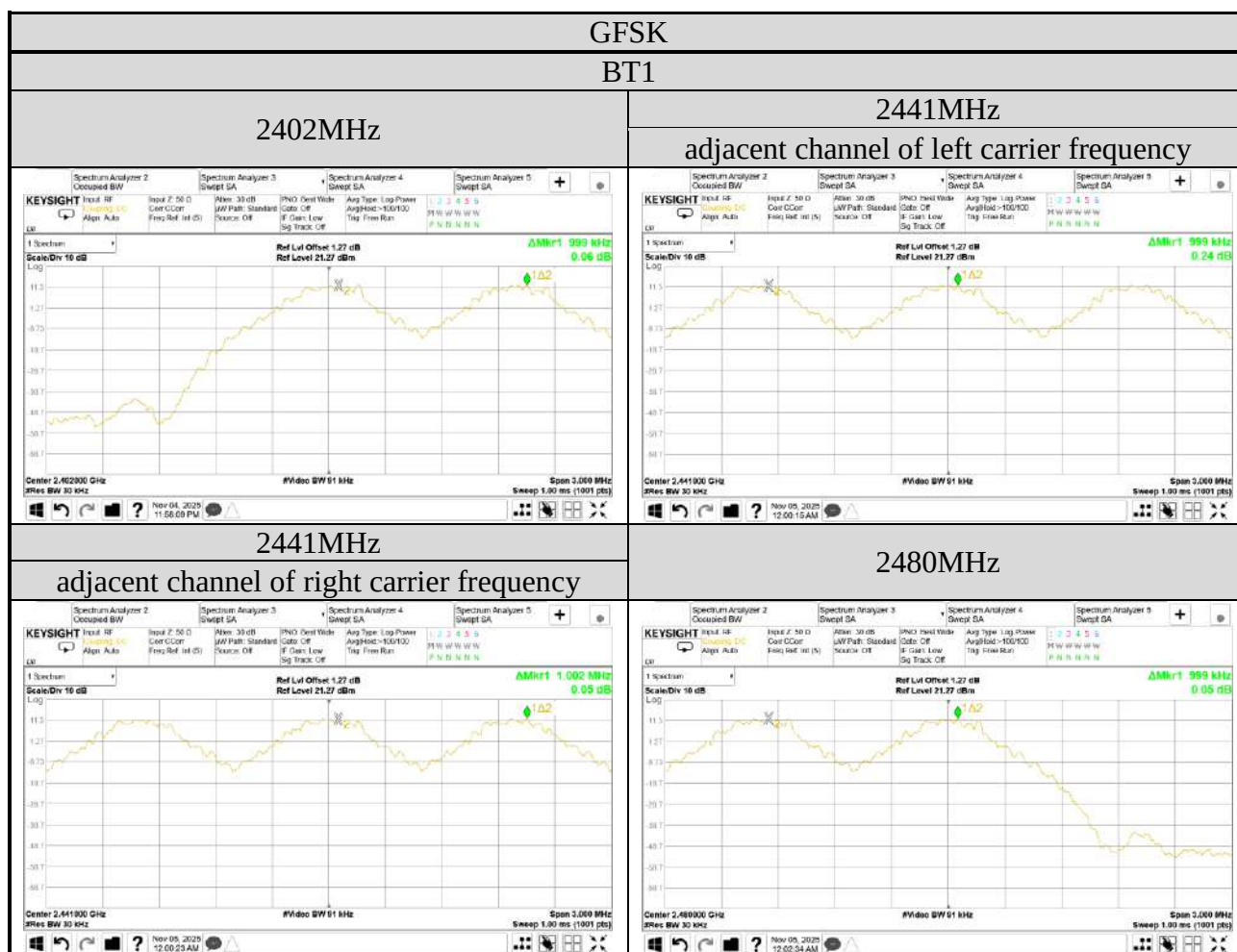


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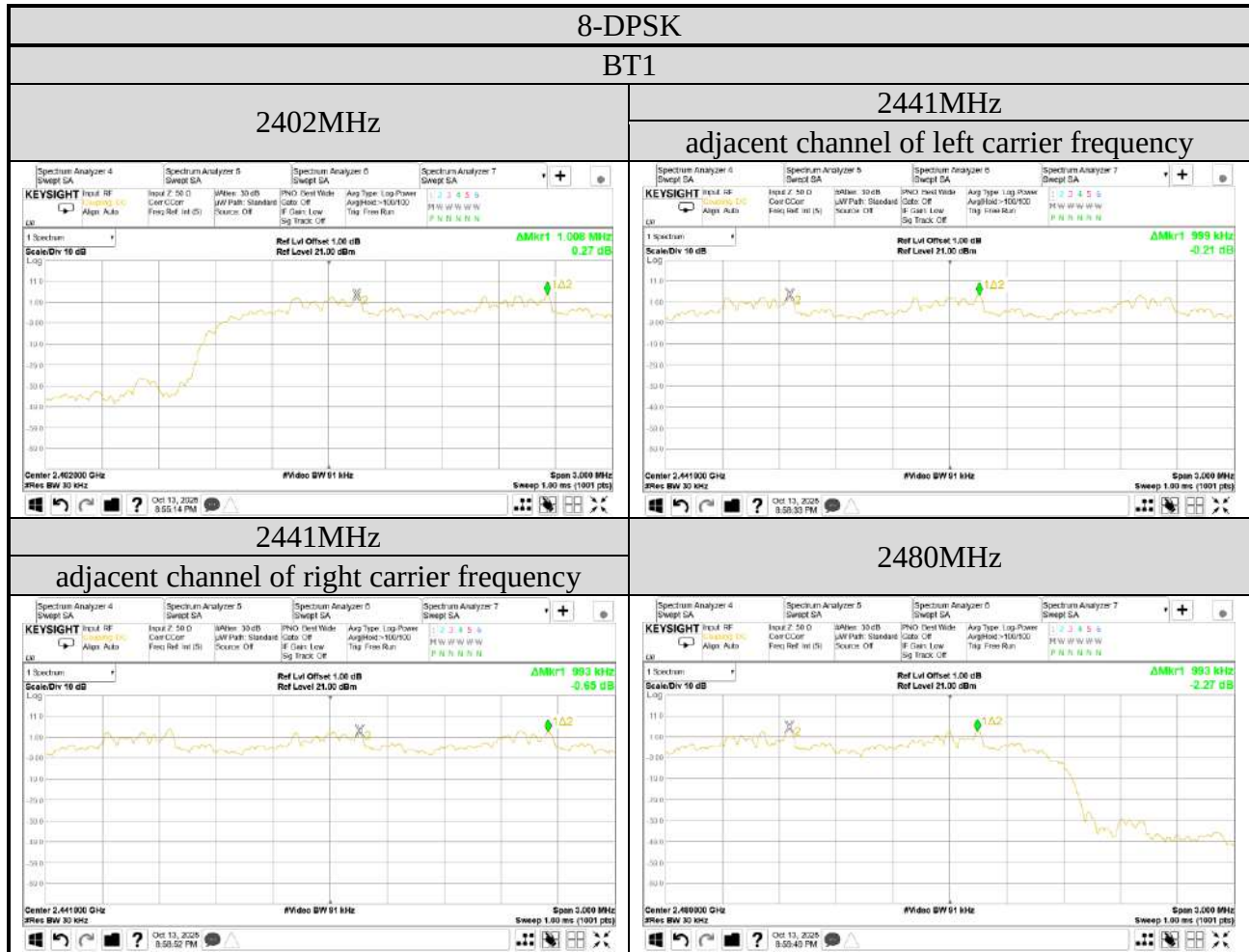
## A.4 CARRIER FREQUENCY SEPARATION

|              |                                     |            |                |
|--------------|-------------------------------------|------------|----------------|
| Test Date    | 2025/10/13~11/05                    | Temp./Hum. | 23~26°C/54~68% |
| Cable Loss   | 1.00dB, 1.27dB                      | Tested By  | Sean Wang      |
| Test Voltage | DC 5V (Through jig via Notebook PC) |            |                |



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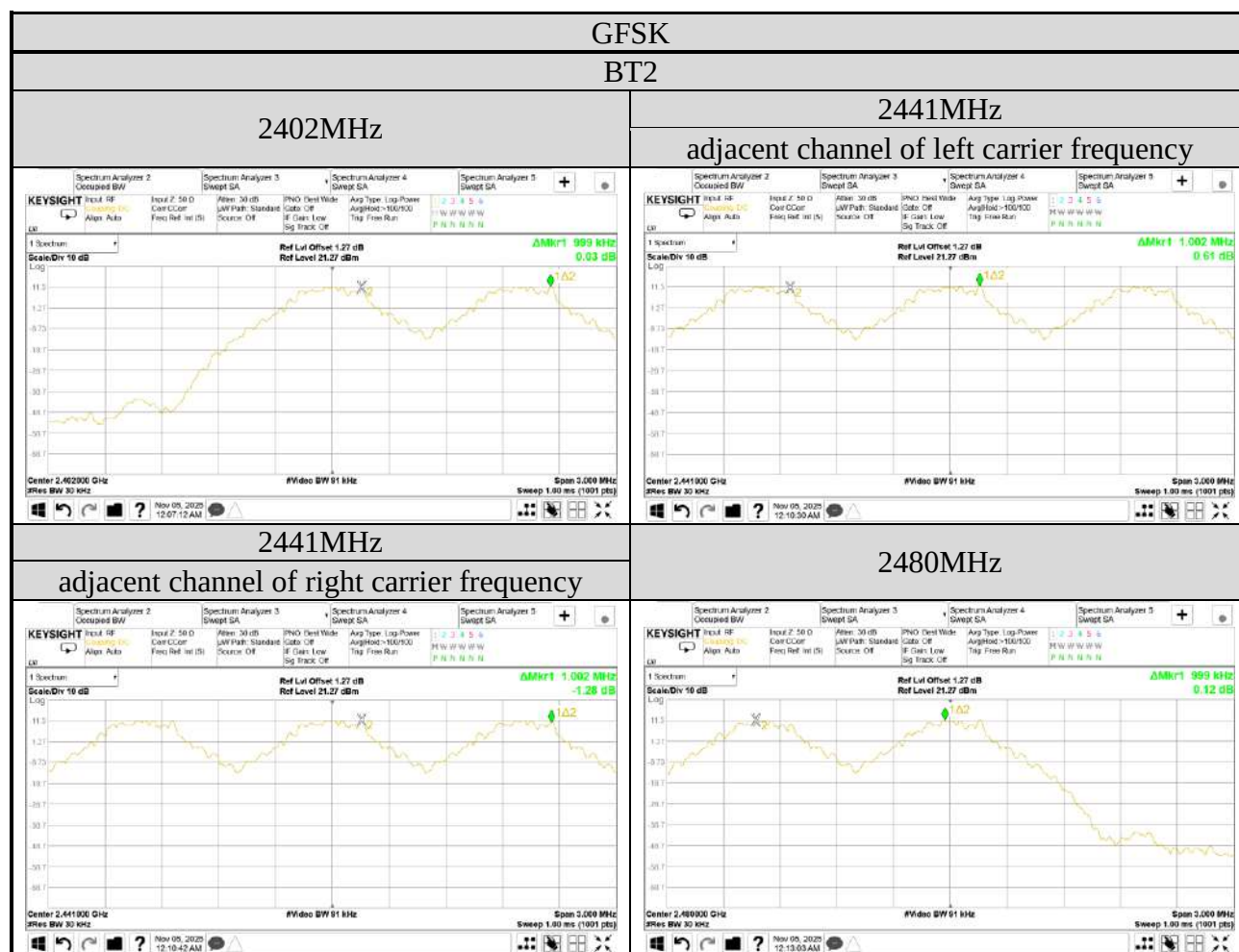
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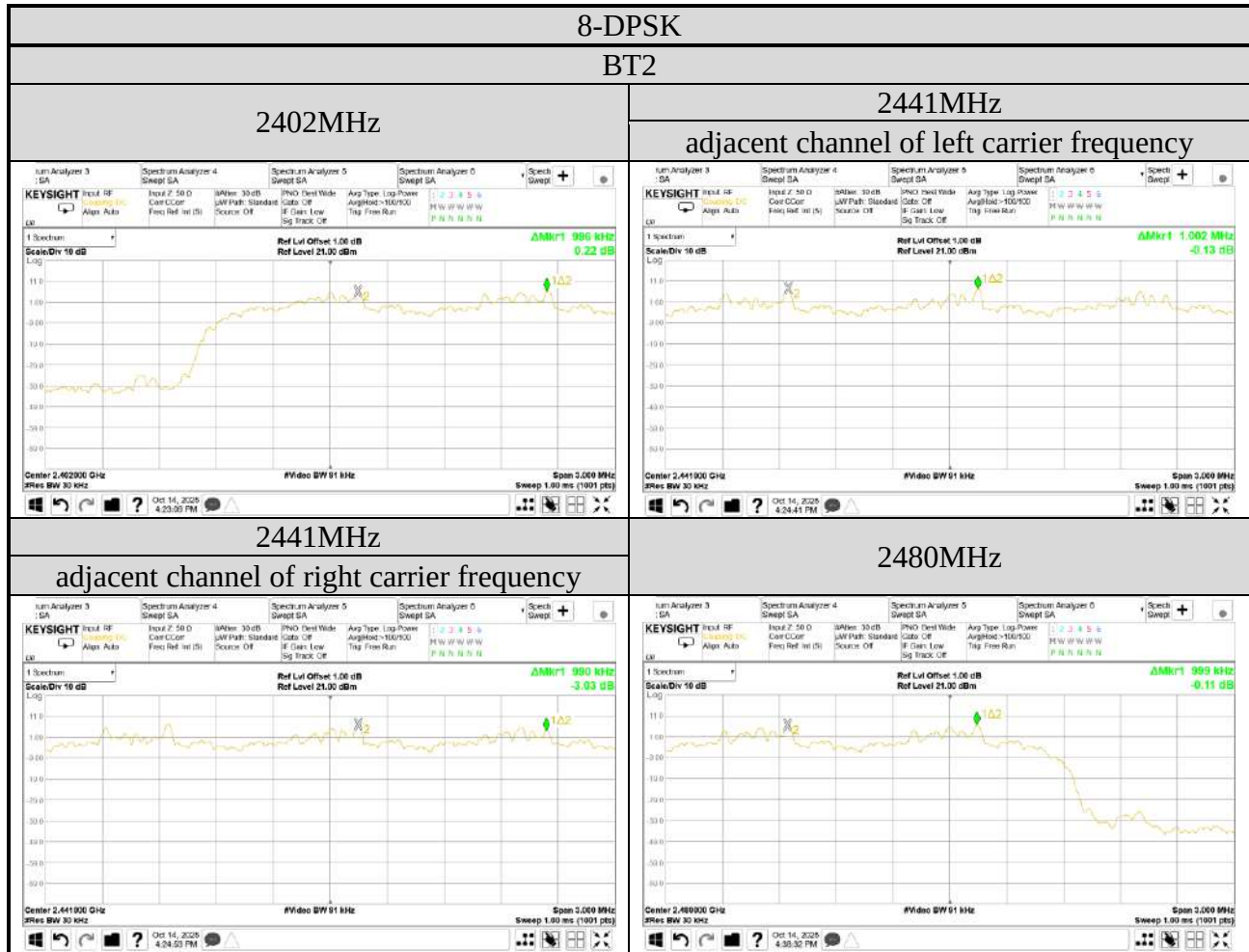
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## A.5 TIME OF OCCUPANCY

|              |                                     |            |                |
|--------------|-------------------------------------|------------|----------------|
| Test Date    | 2025/10/13~11/05                    | Temp./Hum. | 23~26°C/56~68% |
| Cable Loss   | 1.00dB, 1.27dB                      | Tested By  | Sean Wang      |
| Test Voltage | DC 5V (Through jig via Notebook PC) |            |                |

### A.5.1 Time of Occupancy

#### BT1

| Mode | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| GFSK | 2402                   | DH1  | 10                                  | 0.370                  | 116.920                                    | <400       |
|      |                        | DH3  | 5                                   | 1.630                  | 257.540                                    | <400       |
|      |                        | DH5  | 2                                   | 2.880                  | 182.016                                    | <400       |

Observation Period:

79 channels\* 0.4 seconds= 31.6 seconds

#### DH1 Mode

For each second of 10 transmission appearance, the longest time of occupancy is

10 transmission\* 31.6 seconds\* 0.370 ms = 116.920 ms (<400ms)

#### DH3 Mode

For each second of 5 transmission appearance, the longest time of occupancy is

5 transmission\* 31.6 seconds\* 1.630 ms = 257.540 ms (<400ms)

#### DH5 Mode

For each second of 2 transmission appearance, the longest time of occupancy is

2 transmission\* 31.6 seconds\* 2.880 ms = 182.016 ms (<400ms)

| Mode | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| GFSK | 2441                   | DH1  | 10                                  | 0.380                  | 120.080                                    | <400       |
|      |                        | DH3  | 5                                   | 1.620                  | 255.960                                    | <400       |
|      |                        | DH5  | 2                                   | 2.880                  | 182.016                                    | <400       |

Observation Period:

79 channels\* 0.4 seconds= 31.6 seconds

#### DH1 Mode

For each second of 10 transmission appearance, the longest time of occupancy is

10 transmission\* 31.6 seconds\* 0.380 ms = 120.080 ms (<400ms)

#### DH3 Mode

For each second of 5 transmission appearance, the longest time of occupancy is

5 transmission\* 31.6 seconds\* 1.620 ms = 255.960 ms (<400ms)

#### DH5 Mode

For each second of 2 transmission appearance, the longest time of occupancy is

2 transmission\* 31.6 seconds\* 2.880 ms = 182.016 ms (<400ms)

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| Mode | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| GFSK | 2480                   | DH1  | 10                                  | 0.370                  | 116.920                                    | <400       |
|      |                        | DH3  | 5                                   | 1.630                  | 257.540                                    | <400       |
|      |                        | DH5  | 2                                   | 2.880                  | 182.016                                    | <400       |

Observation Period:

79 channels \* 0.4 seconds = 31.6 seconds

**DH1 Mode**

For each second of 10 transmission appearance, the longest time of occupancy is  
10 transmission \* 31.6 seconds \* 0.370 ms = 116.920 ms (<400ms)

**DH3 Mode**

For each second of 5 transmission appearance, the longest time of occupancy is  
5 transmission \* 31.6 seconds \* 1.630 ms = 257.540 ms (<400ms)

**DH5 Mode**

For each second of 2 transmission appearance, the longest time of occupancy is  
2 transmission \* 31.6 seconds \* 2.880 ms = 182.016 ms (<400ms)

**BT2**

| Mode | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| GFSK | 2402                   | DH1  | 10                                  | 0.380                  | 120.080                                    | <400       |
|      |                        | DH3  | 5                                   | 1.630                  | 257.540                                    | <400       |
|      |                        | DH5  | 2                                   | 2.870                  | 181.384                                    | <400       |

Observation Period:

**79** channels\* **0.4** seconds= **31.6** seconds**DH1 Mode**

For each second of **10** transmission appearance, the longest time of occupancy is  
**10** transmission\* **31.6** seconds\* **0.380** ms= **120.080** ms (<400ms)

**DH3 Mode**

For each second of **5** transmission appearance, the longest time of occupancy is  
**5** transmission\* **31.6** seconds\* **1.630** ms= **257.540** ms (<400ms)

**DH5 Mode**

For each second of **2** transmission appearance, the longest time of occupancy is  
**2** transmission\* **31.6** seconds\* **2.870** ms= **181.384** ms (<400ms)

| Mode | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| GFSK | 2441                   | DH1  | 10                                  | 0.370                  | 116.920                                    | <400       |
|      |                        | DH3  | 5                                   | 1.630                  | 257.540                                    | <400       |
|      |                        | DH5  | 2                                   | 2.880                  | 182.016                                    | <400       |

Observation Period:

**79** channels\* **0.4** seconds= **31.6** seconds**DH1 Mode**

For each second of **10** transmission appearance, the longest time of occupancy is  
**10** transmission\* **31.6** seconds\* **0.370** ms= **116.920** ms (<400ms)

**DH3 Mode**

For each second of **5** transmission appearance, the longest time of occupancy is  
**5** transmission\* **31.6** seconds\* **1.630** ms= **257.540** ms (<400ms)

**DH5 Mode**

For each second of **2** transmission appearance, the longest time of occupancy is  
**2** transmission\* **31.6** seconds\* **2.880** ms= **182.016** ms (<400ms)

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| Mode | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| GFSK | 2480                   | DH1  | 10                                  | 0.370                  | 116.920                                    | <400       |
|      |                        | DH3  | 5                                   | 1.630                  | 257.540                                    | <400       |
|      |                        | DH5  | 2                                   | 2.870                  | 181.384                                    | <400       |

Observation Period:

79 channels \* 0.4 seconds = 31.6 seconds

**DH1 Mode**

For each second of 10 transmission appearance, the longest time of occupancy is  
10 transmission \* 31.6 seconds \* 0.370 ms = 116.920 ms (<400ms)

**DH3 Mode**

For each second of 5 transmission appearance, the longest time of occupancy is  
5 transmission \* 31.6 seconds \* 1.630 ms = 257.540 ms (<400ms)

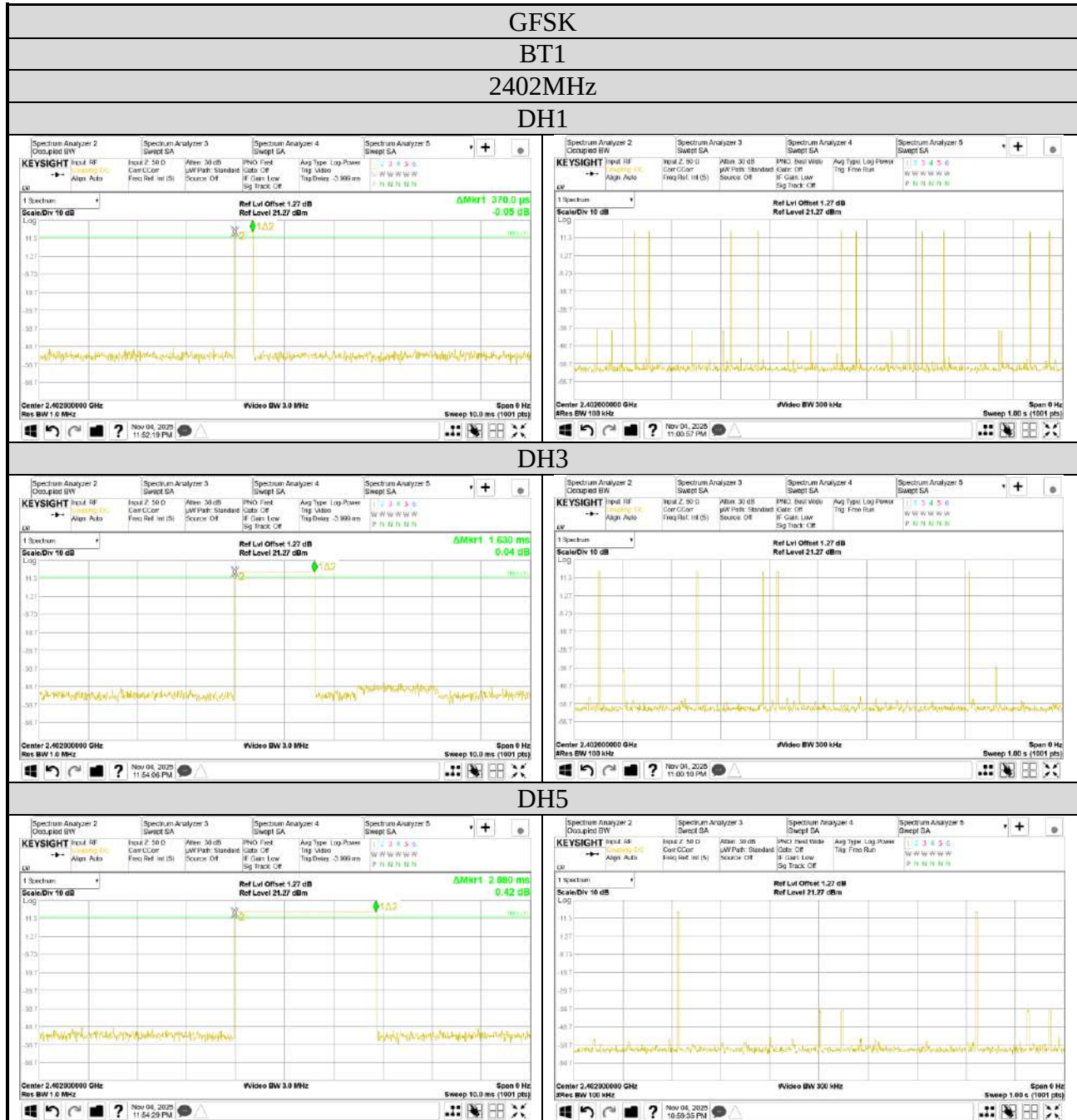
**DH5 Mode**

For each second of 2 transmission appearance, the longest time of occupancy is  
2 transmission \* 31.6 seconds \* 2.870 ms = 181.384 ms (<400ms)

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## ● Measurement Plots



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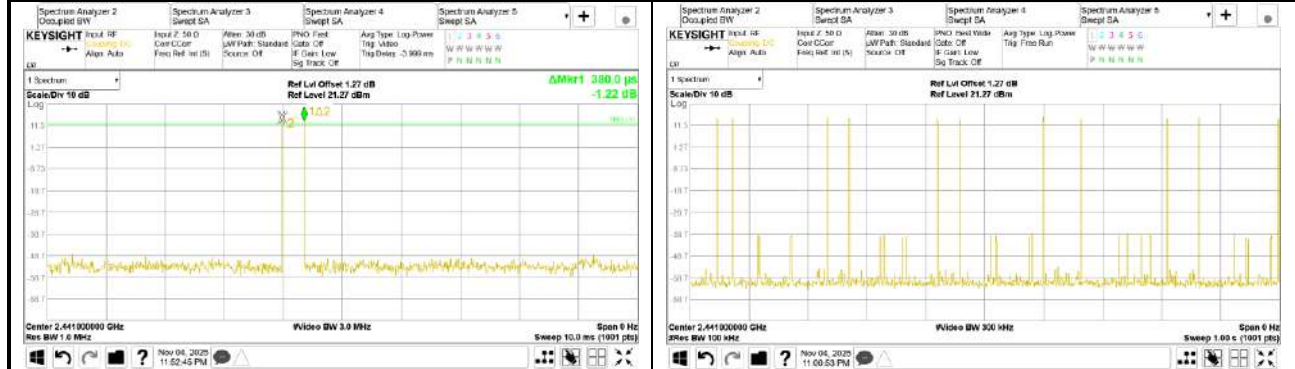
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## GFSK

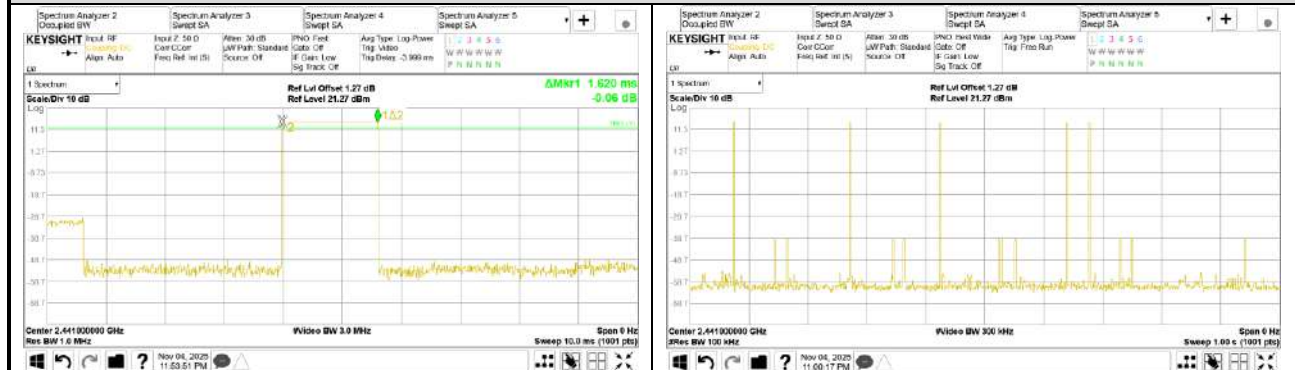
### BT1

2441MHz

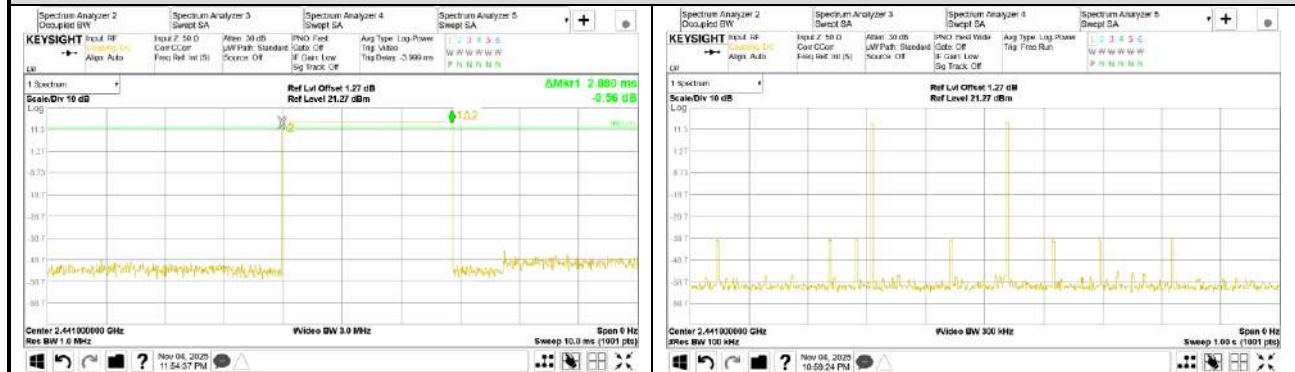
### DH1



### DH3



### DH5



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GFSK

BT1

2480MHz

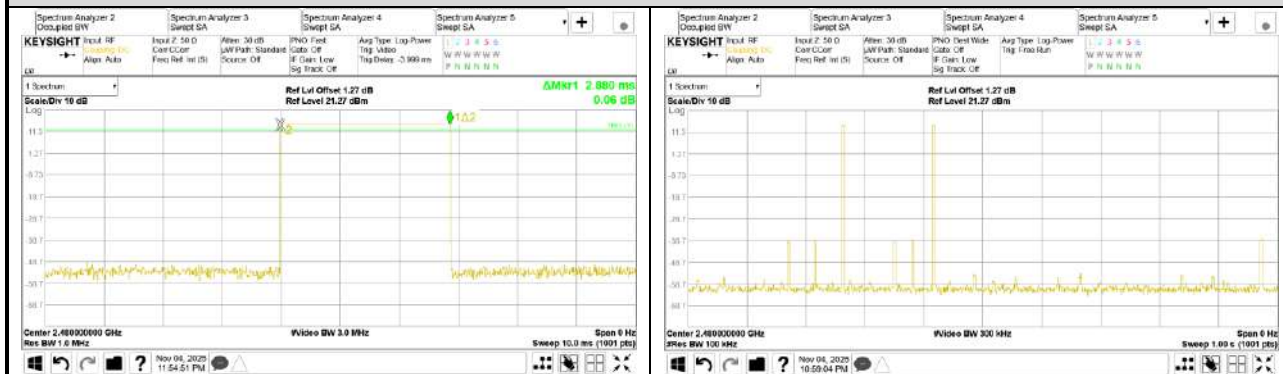
DH1



DH3



DH5



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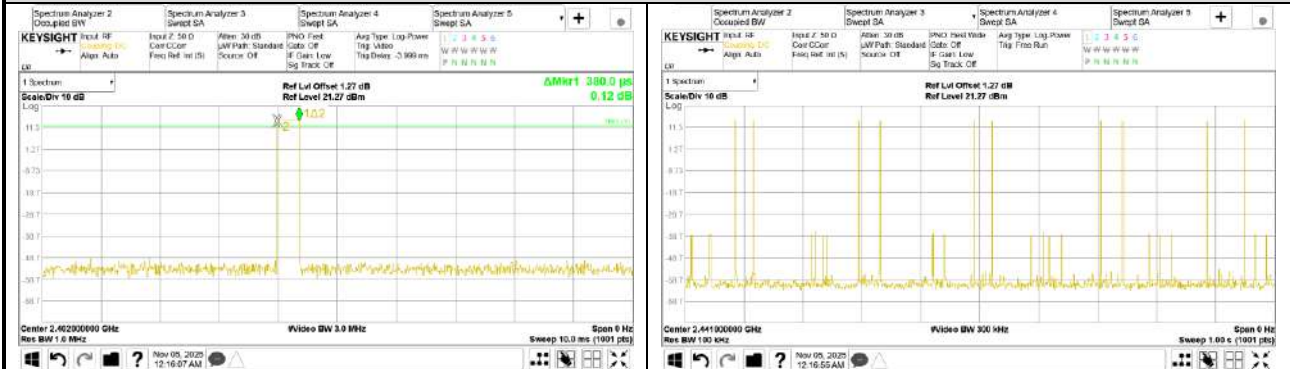
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GFSK

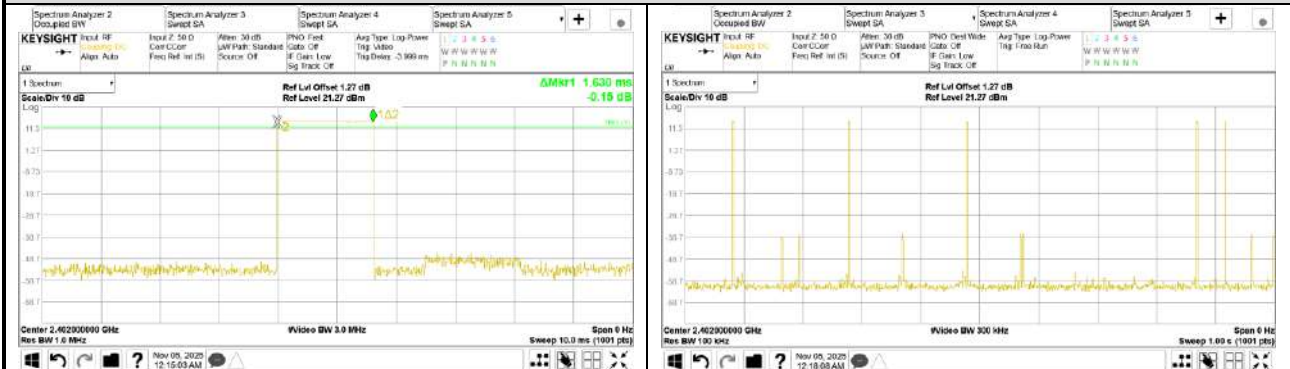
BT2

2402MHz

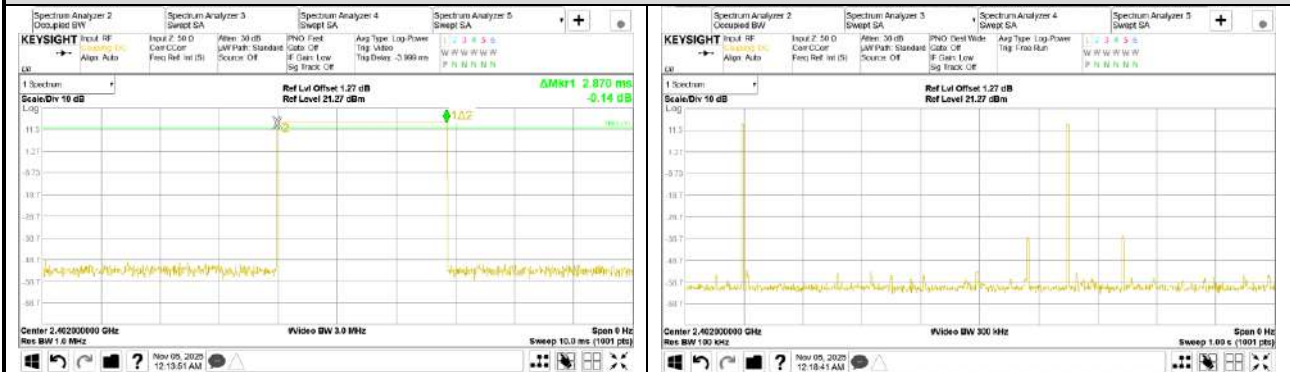
DH1



DH3



DH5



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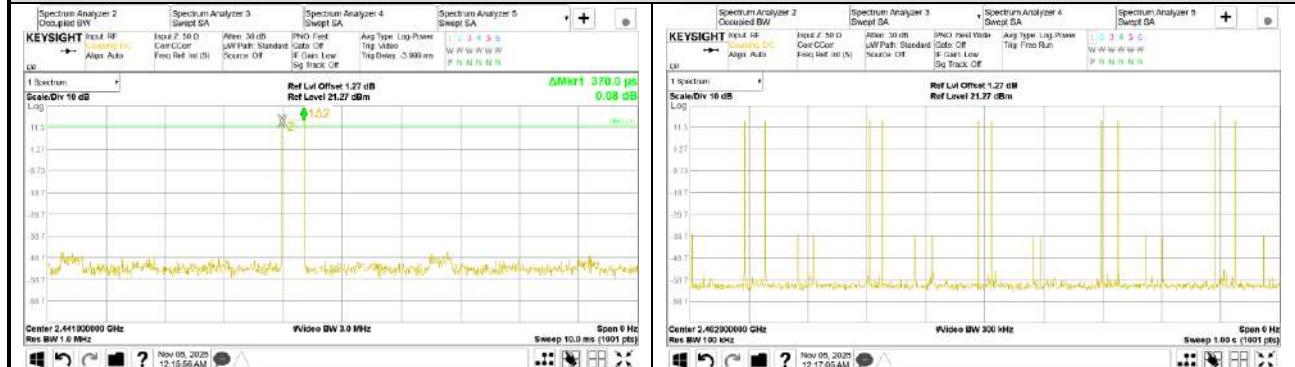
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GFSK

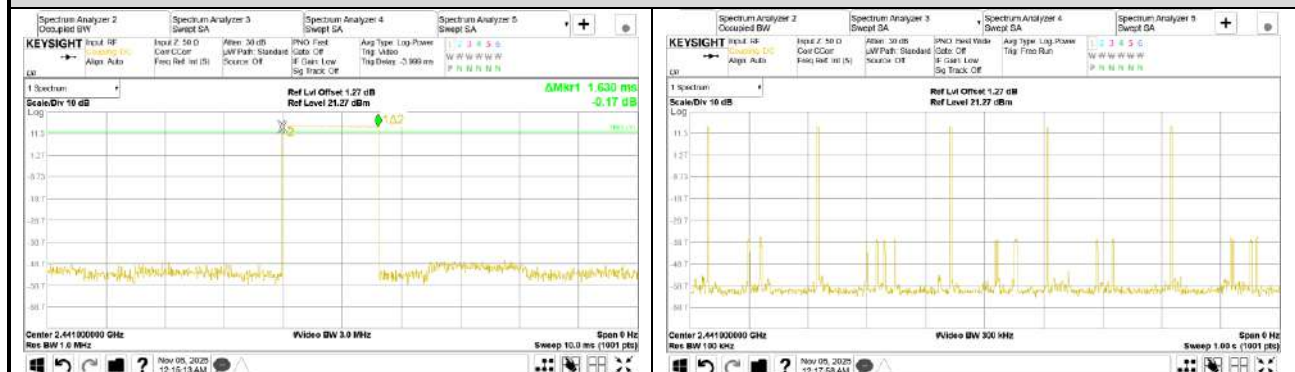
BT2

2441MHz

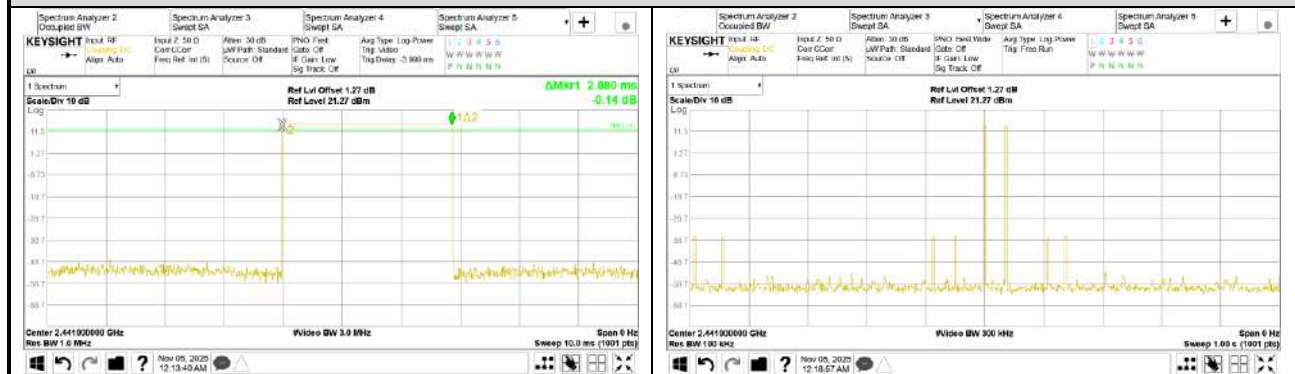
DH1



DH3



DH5



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GFSK

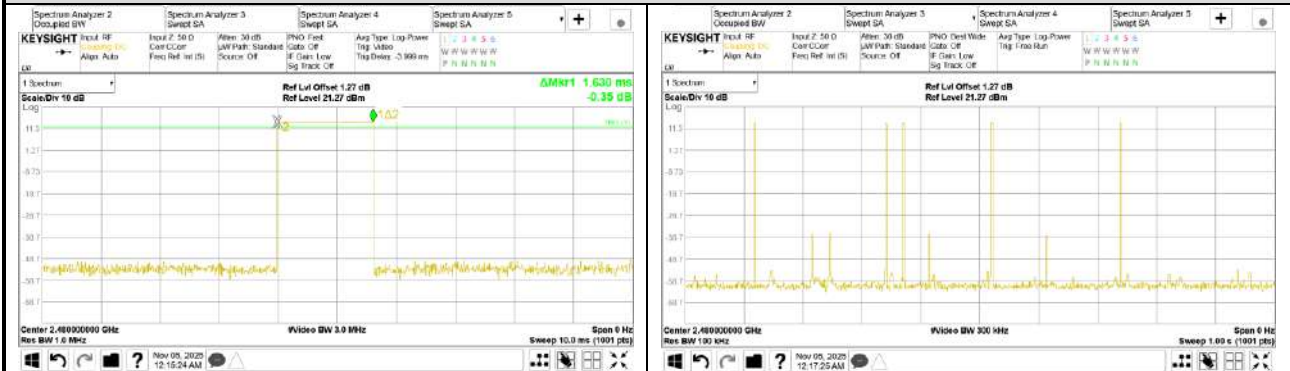
BT2

2480MHz

DH1



DH3



DH5



**BT1**

| Mode   | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|--------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| 8-DPSK | 2402                   | 3DH1 | 10                                  | 0.380                  | 120.080                                    | <400       |
|        |                        | 3DH3 | 5                                   | 1.630                  | 257.540                                    | <400       |
|        |                        | 3DH5 | 2                                   | 2.880                  | 182.016                                    | <400       |

Observation Period:

79 channels\* 0.4 seconds= 31.6 seconds

**3DH1 Mode**

For each second of 10 transmission appearance, the longest time of occupancy is  
10 transmission\* 31.6 seconds\* 0.380 ms= 120.080 ms (<400ms)

**3DH3 Mode**

For each second of 5 transmission appearance, the longest time of occupancy is  
5 transmission\* 31.6 seconds\* 1.630 ms= 257.540 ms (<400ms)

**3DH5 Mode**

For each second of 2 transmission appearance, the longest time of occupancy is  
2 transmission\* 31.6 seconds\* 2.880 ms= 182.016 ms (<400ms)

| Mode   | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|--------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| 8-DPSK | 2441                   | 3DH1 | 10                                  | 0.380                  | 120.080                                    | <400       |
|        |                        | 3DH3 | 5                                   | 1.630                  | 257.540                                    | <400       |
|        |                        | 3DH5 | 2                                   | 2.880                  | 182.016                                    | <400       |

Observation Period:

79 channels\* 0.4 seconds= 31.6 seconds

**3DH1 Mode**

For each second of 10 transmission appearance, the longest time of occupancy is  
10 transmission\* 31.6 seconds\* 0.380 ms= 120.080 ms (<400ms)

**3DH3 Mode**

For each second of 5 transmission appearance, the longest time of occupancy is  
5 transmission\* 31.6 seconds\* 1.630 ms= 257.540 ms (<400ms)

**3DH5 Mode**

For each second of 2 transmission appearance, the longest time of occupancy is  
2 transmission\* 31.6 seconds\* 2.880 ms= 182.016 ms (<400ms)

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| Mode   | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|--------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| 8-DPSK | 2480                   | 3DH1 | 10                                  | 0.380                  | 120.080                                    | <400       |
|        |                        | 3DH3 | 5                                   | 1.630                  | 257.540                                    | <400       |
|        |                        | 3DH5 | 2                                   | 2.890                  | 182.648                                    | <400       |

Observation Period:

79 channels\* 0.4 seconds= 31.6 seconds

**3DH1 Mode**

For each second of 10 transmission appearance, the longest time of occupancy is

10 transmission\* 31.6 seconds\* 0.380 ms= 120.080 ms (<400ms)

**3DH3 Mode**

For each second of 5 transmission appearance, the longest time of occupancy is

5 transmission\* 31.6 seconds\* 1.630 ms= 257.540 ms (<400ms)

**3DH5 Mode**

For each second of 2 transmission appearance, the longest time of occupancy is

2 transmission\* 31.6 seconds\* 2.890 ms= 182.648 ms (<400ms)

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**BT2**

| Mode   | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|--------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| 8-DPSK | 2402                   | 3DH1 | 10                                  | 0.380                  | 120.080                                    | <400       |
|        |                        | 3DH3 | 5                                   | 1.640                  | 259.120                                    | <400       |
|        |                        | 3DH5 | 2                                   | 2.880                  | 182.016                                    | <400       |

Observation Period:

 $79 \text{ channels} * 0.4 \text{ seconds} = 31.6 \text{ seconds}$ **3DH1 Mode**

For each second of 10 transmission appearance, the longest time of occupancy is  
 $10 \text{ transmission} * 31.6 \text{ seconds} * 0.380 \text{ ms} = 120.080 \text{ ms} (<400\text{ms})$

**3DH3 Mode**

For each second of 5 transmission appearance, the longest time of occupancy is  
 $5 \text{ transmission} * 31.6 \text{ seconds} * 1.640 \text{ ms} = 259.120 \text{ ms} (<400\text{ms})$

**3DH5 Mode**

For each second of 2 transmission appearance, the longest time of occupancy is  
 $2 \text{ transmission} * 31.6 \text{ seconds} * 2.880 \text{ ms} = 182.016 \text{ ms} (<400\text{ms})$

| Mode   | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|--------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| 8-DPSK | 2441                   | 3DH1 | 10                                  | 0.380                  | 120.080                                    | <400       |
|        |                        | 3DH3 | 5                                   | 1.640                  | 259.120                                    | <400       |
|        |                        | 3DH5 | 2                                   | 2.880                  | 182.016                                    | <400       |

Observation Period:

 $79 \text{ channels} * 0.4 \text{ seconds} = 31.6 \text{ seconds}$ **3DH1 Mode**

For each second of 10 transmission appearance, the longest time of occupancy is  
 $10 \text{ transmission} * 31.6 \text{ seconds} * 0.380 \text{ ms} = 120.080 \text{ ms} (<400\text{ms})$

**3DH3 Mode**

For each second of 5 transmission appearance, the longest time of occupancy is  
 $5 \text{ transmission} * 31.6 \text{ seconds} * 1.640 \text{ ms} = 259.120 \text{ ms} (<400\text{ms})$

**3DH5 Mode**

For each second of 2 transmission appearance, the longest time of occupancy is  
 $2 \text{ transmission} * 31.6 \text{ seconds} * 2.880 \text{ ms} = 182.016 \text{ ms} (<400\text{ms})$

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| Mode   | Centre Frequency (MHz) | Mode | Each second appearance transmission | Time of Occupancy (ms) | Maximum accumulated Time of Occupancy (ms) | Limit (ms) |
|--------|------------------------|------|-------------------------------------|------------------------|--------------------------------------------|------------|
| 8-DPSK | 2480                   | 3DH1 | 10                                  | 0.380                  | 120.080                                    | <400       |
|        |                        | 3DH3 | 5                                   | 1.630                  | 257.540                                    | <400       |
|        |                        | 3DH5 | 2                                   | 2.880                  | 182.016                                    | <400       |

Observation Period:

79 channels\* 0.4 seconds= 31.6 seconds

**3DH1 Mode**

For each second of 10 transmission appearance, the longest time of occupancy is

10 transmission\* 31.6 seconds\* 0.380 ms= 120.080 ms (<400ms)

**3DH3 Mode**

For each second of 5 transmission appearance, the longest time of occupancy is

5 transmission\* 31.6 seconds\* 1.630 ms= 257.540 ms (<400ms)

**3DH5 Mode**

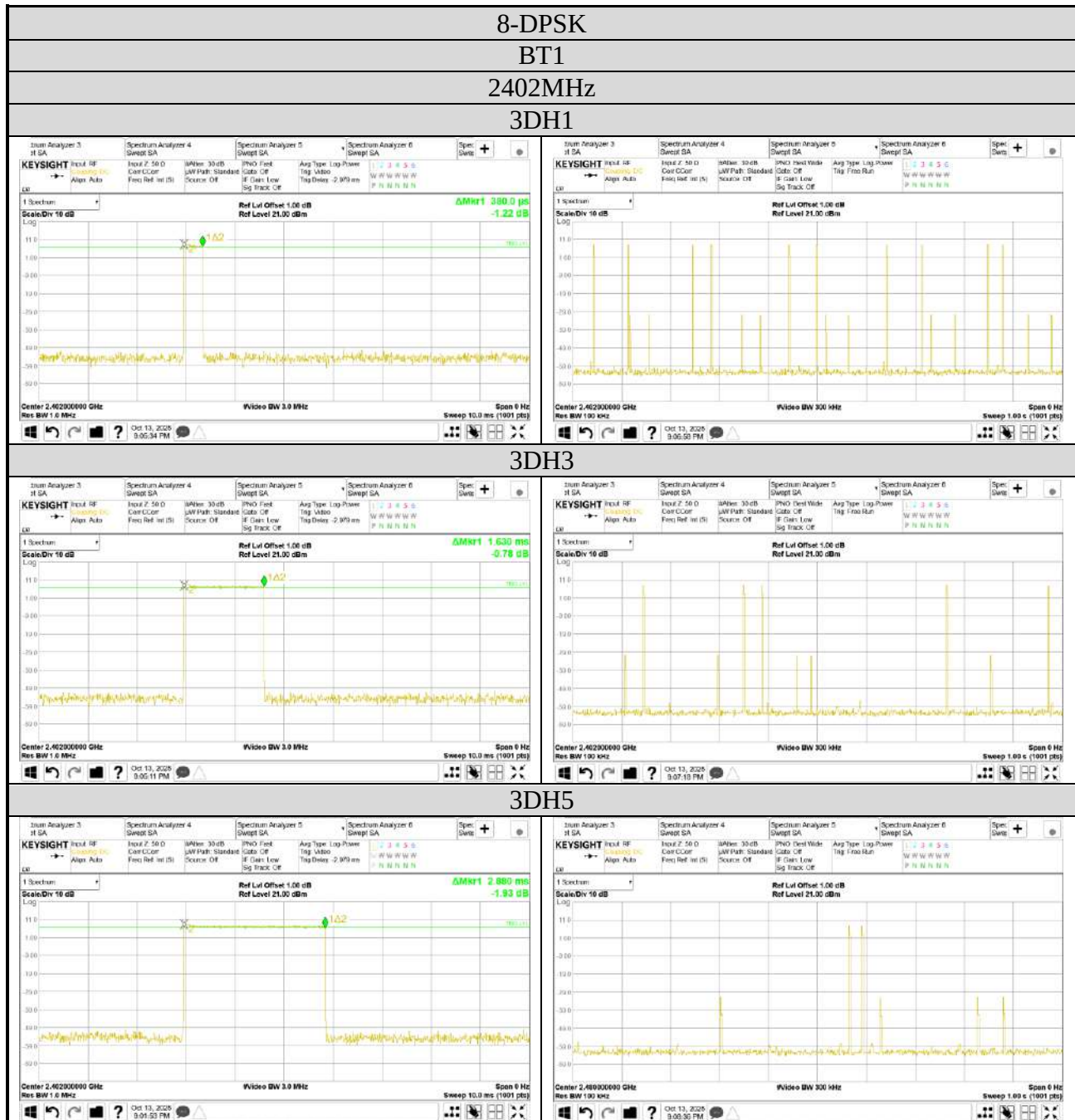
For each second of 2 transmission appearance, the longest time of occupancy is

2 transmission\* 31.6 seconds\* 2.880 ms= 182.016 ms (<400ms)

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## ● Measurement Plots



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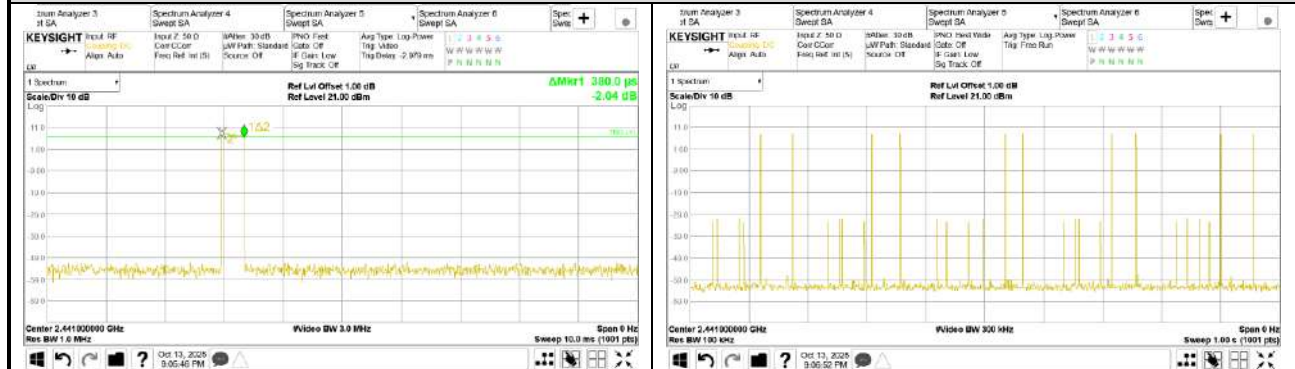
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8-DPSK

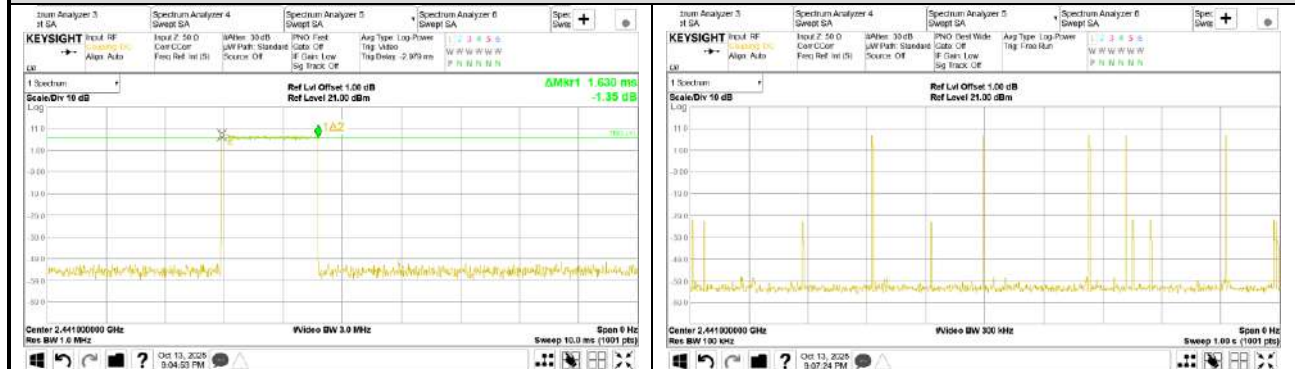
BT1

2441MHz

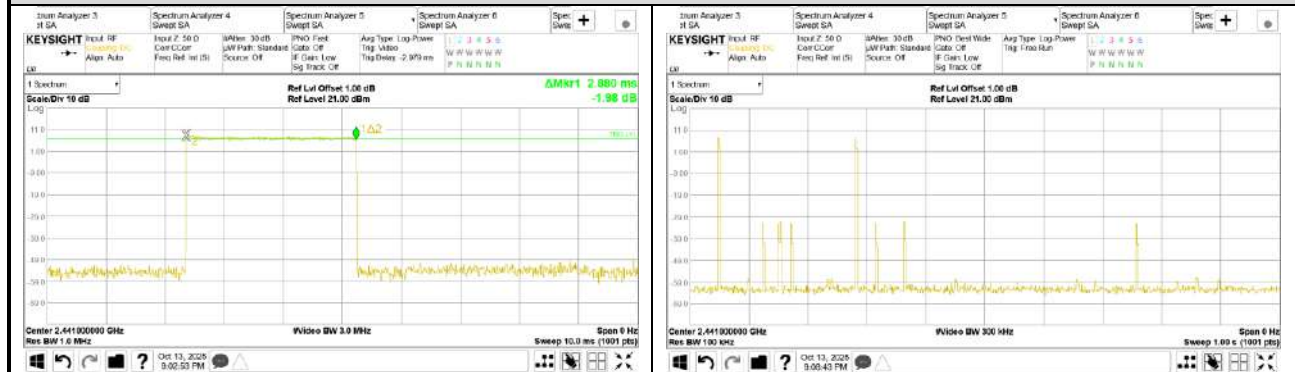
3DH1



3DH3



3DH5



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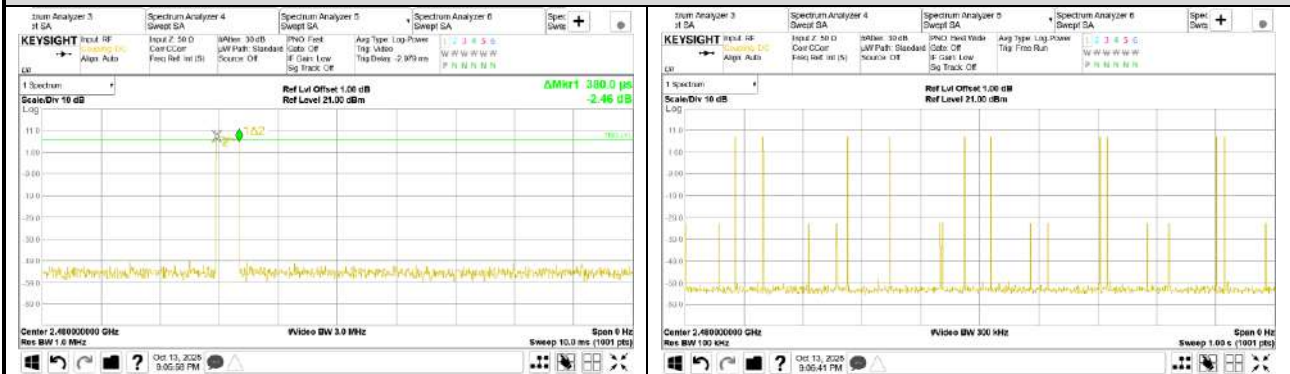
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8-DPSK

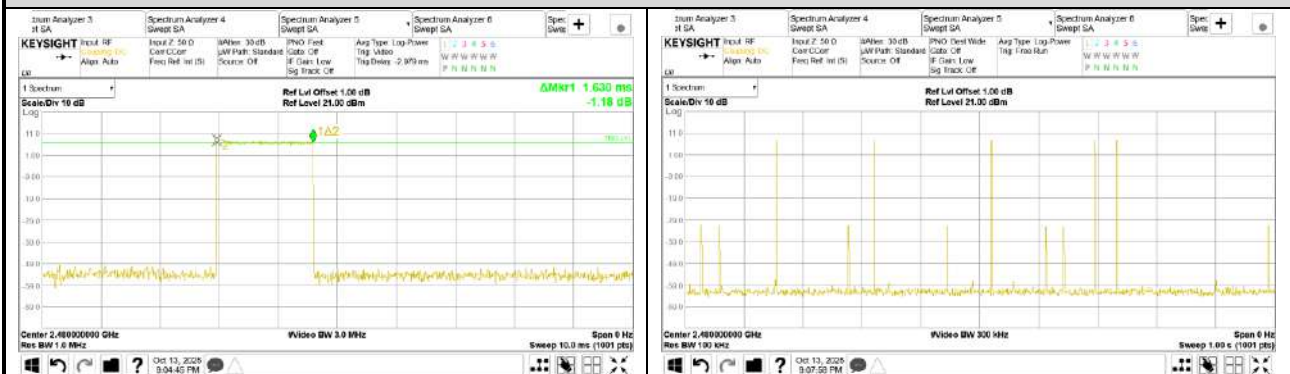
BT1

2480MHz

3DH1



3DH3

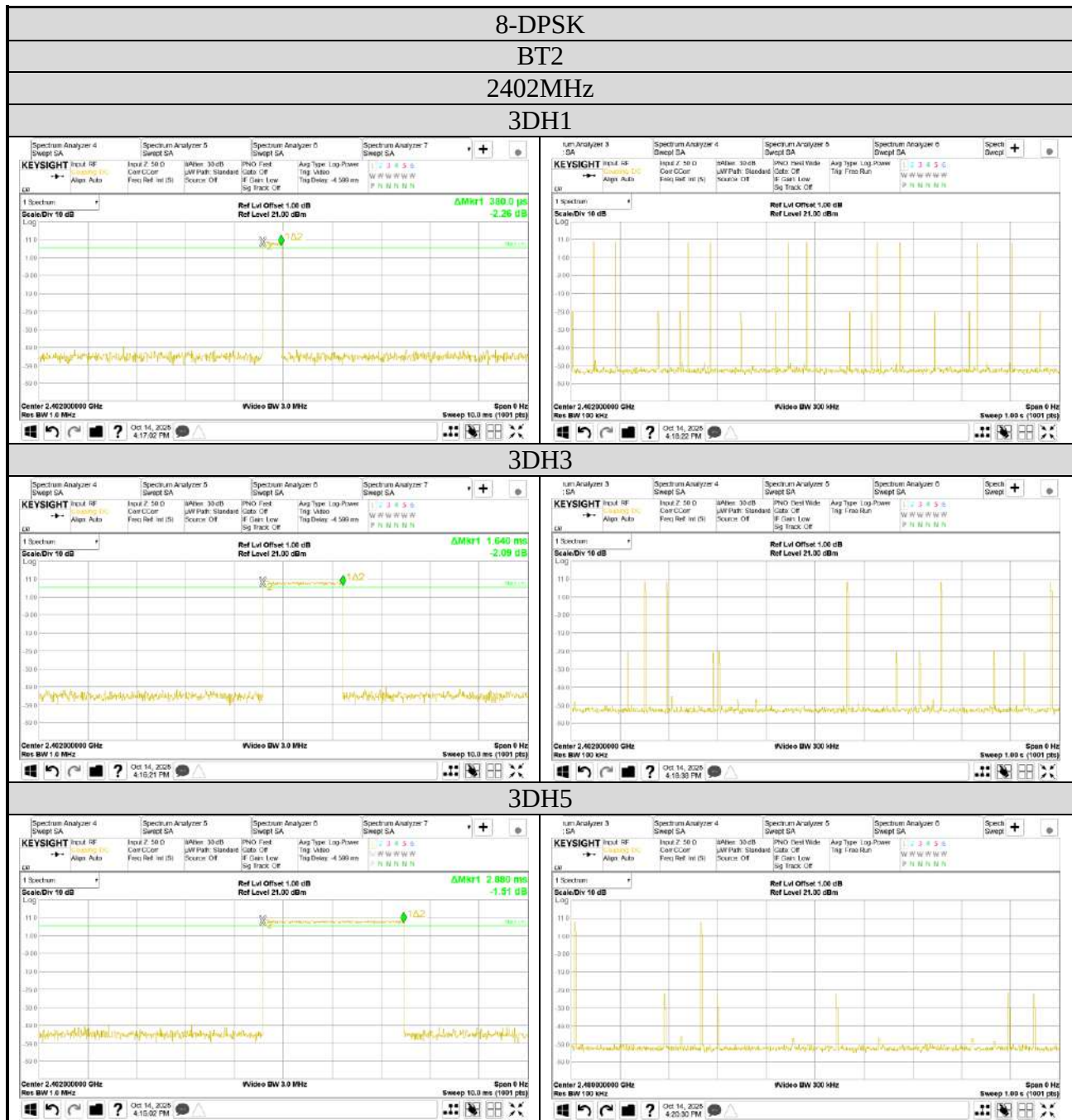


3DH5



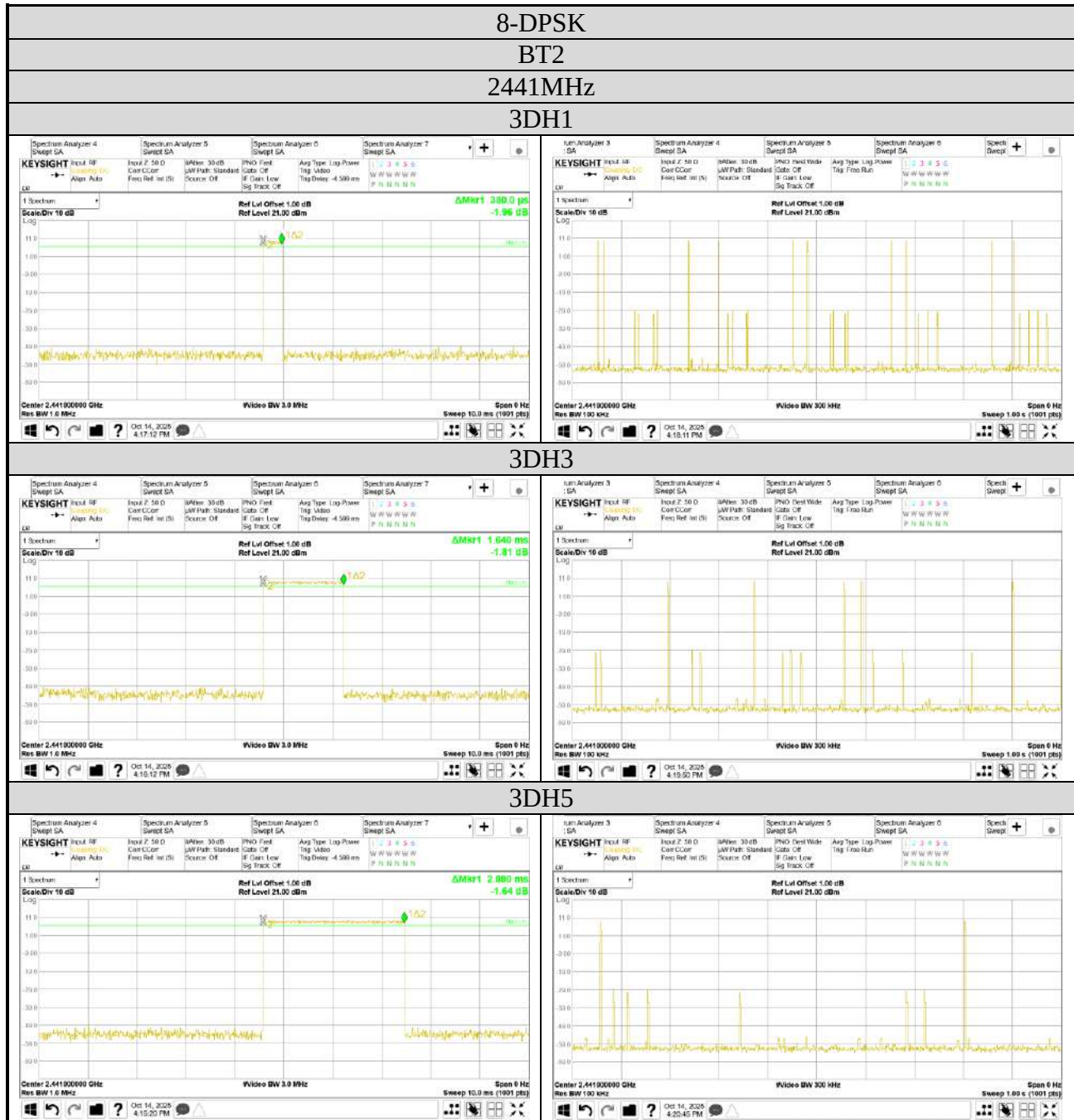
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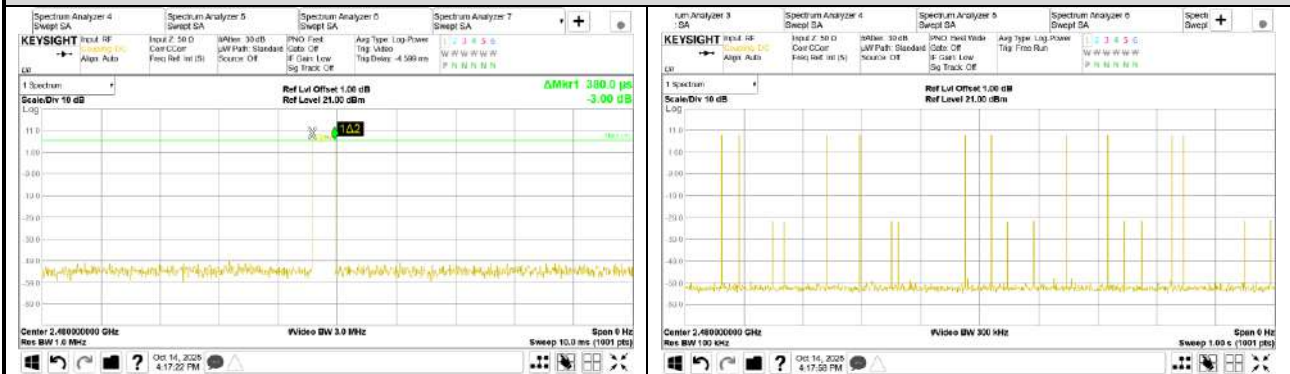
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8-DPSK

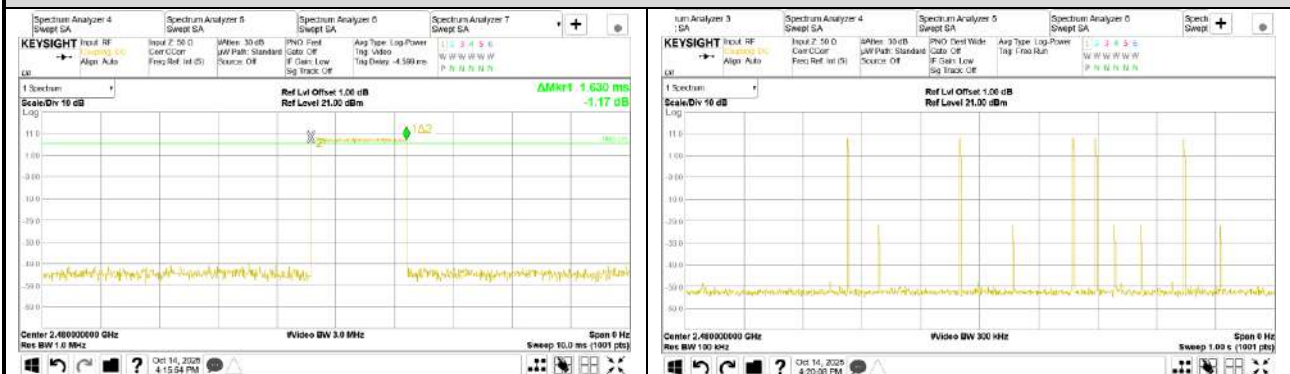
BT2

2480MHz

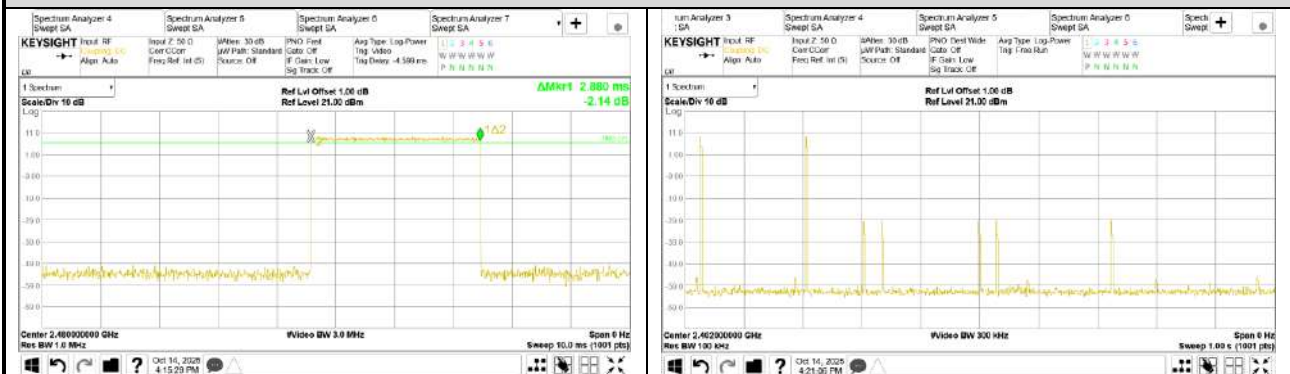
3DH1



3DH3



3DH5

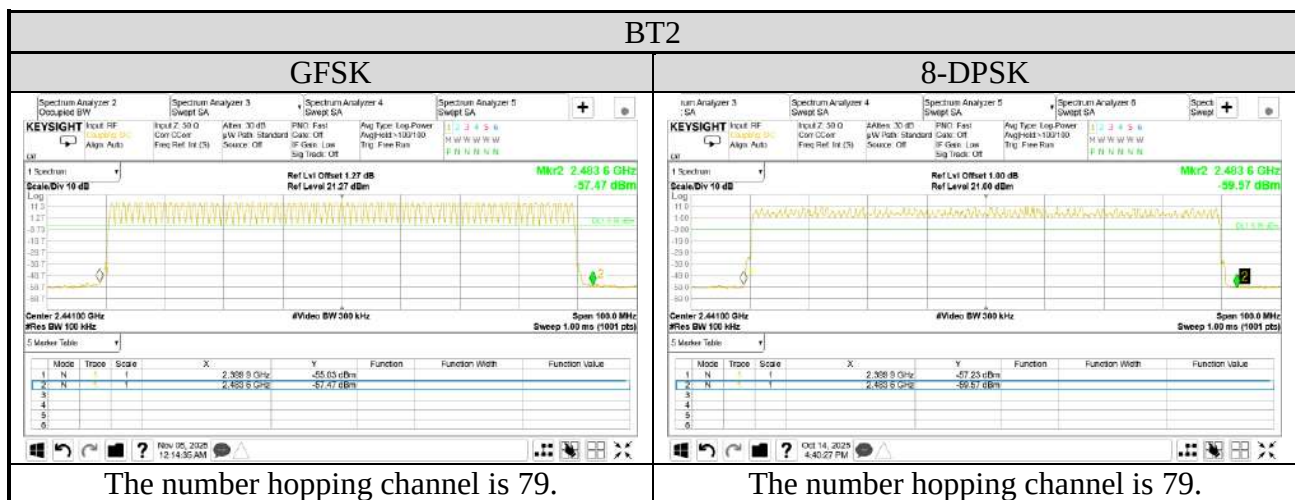
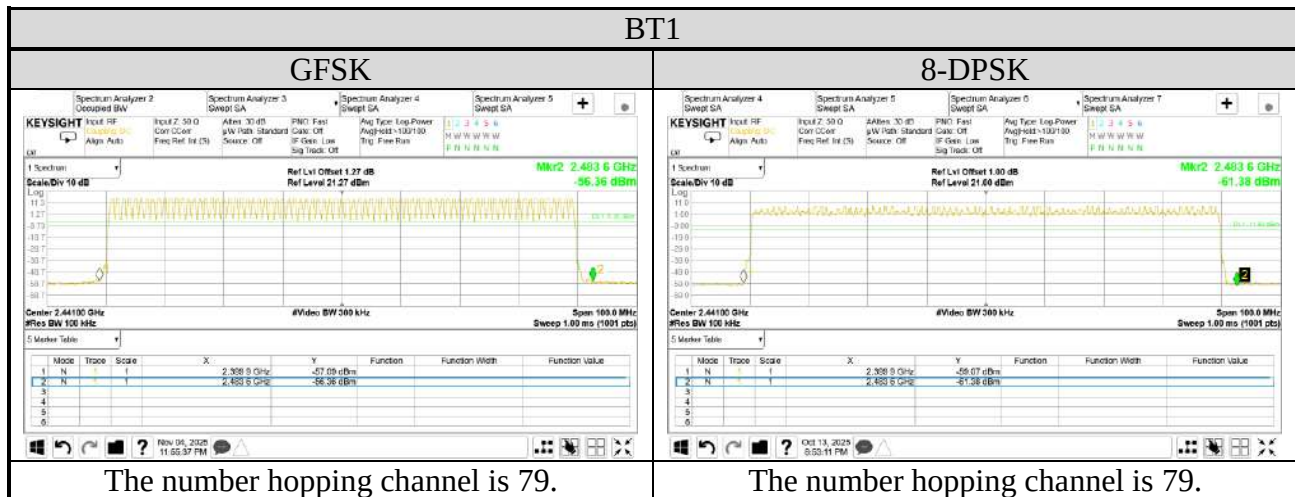


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## A.6 NUMBER OF HOPPING CHANNELS

|              |                                     |            |                |
|--------------|-------------------------------------|------------|----------------|
| Test Date    | 2025/10/13~11/05                    | Temp./Hum. | 23~26°C/56~68% |
| Cable Loss   | 1.00dB, 1.27dB                      | Tested By  | Sean Wang      |
| Test Voltage | DC 5V (Through jig via Notebook PC) |            |                |



## A.7 MAXIMUM PEAK OUTPUT POWER

|              |                                     |            |                |
|--------------|-------------------------------------|------------|----------------|
| Test Date    | 2025/10/13~11/04                    | Temp./Hum. | 23~26°C/56~68% |
| Cable Loss   | 1.00dB, 1.27dB                      | Tested By  | Sean Wang      |
| Test Voltage | DC 5V (Through jig via Notebook PC) |            |                |

### A.7.1 Maximum Peak Output Power

| Mode  | Centre Frequency (MHz) | Peak Output Power (dBm) |       | Antenna Gain (dBi) |       | E.I.R.P. <sup>Note 2</sup> |      | Limit                                                            |
|-------|------------------------|-------------------------|-------|--------------------|-------|----------------------------|------|------------------------------------------------------------------|
|       |                        | BT1                     | BT2   | BT1                | BT2   | BT1                        | BT2  |                                                                  |
| GFSK  | 2402                   | 14.42                   | 14.53 | -2.18              | -4.84 | 12.24                      | 9.69 | <30dBm<br>(Maximum Peak Output Power)<br><br><36dBm<br>(E.I.R.P) |
|       | 2441                   | 14.26                   | 14.53 | -2.18              | -4.84 | 12.08                      | 9.69 |                                                                  |
|       | 2480                   | 14.23                   | 14.33 | -2.18              | -4.84 | 12.05                      | 9.49 |                                                                  |
| 8DPSK | 2402                   | 8.69                    | 10.12 | -2.18              | -4.84 | 6.51                       | 5.28 |                                                                  |
|       | 2441                   | 8.49                    | 10.05 | -2.18              | -4.84 | 6.31                       | 5.21 |                                                                  |
|       | 2480                   | 8.50                    | 9.58  | -2.18              | -4.84 | 6.32                       | 4.74 |                                                                  |

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Max Peak Output Power (dBm)+Antenna Gain (dBi).

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## A.7.2 Measurement Plots



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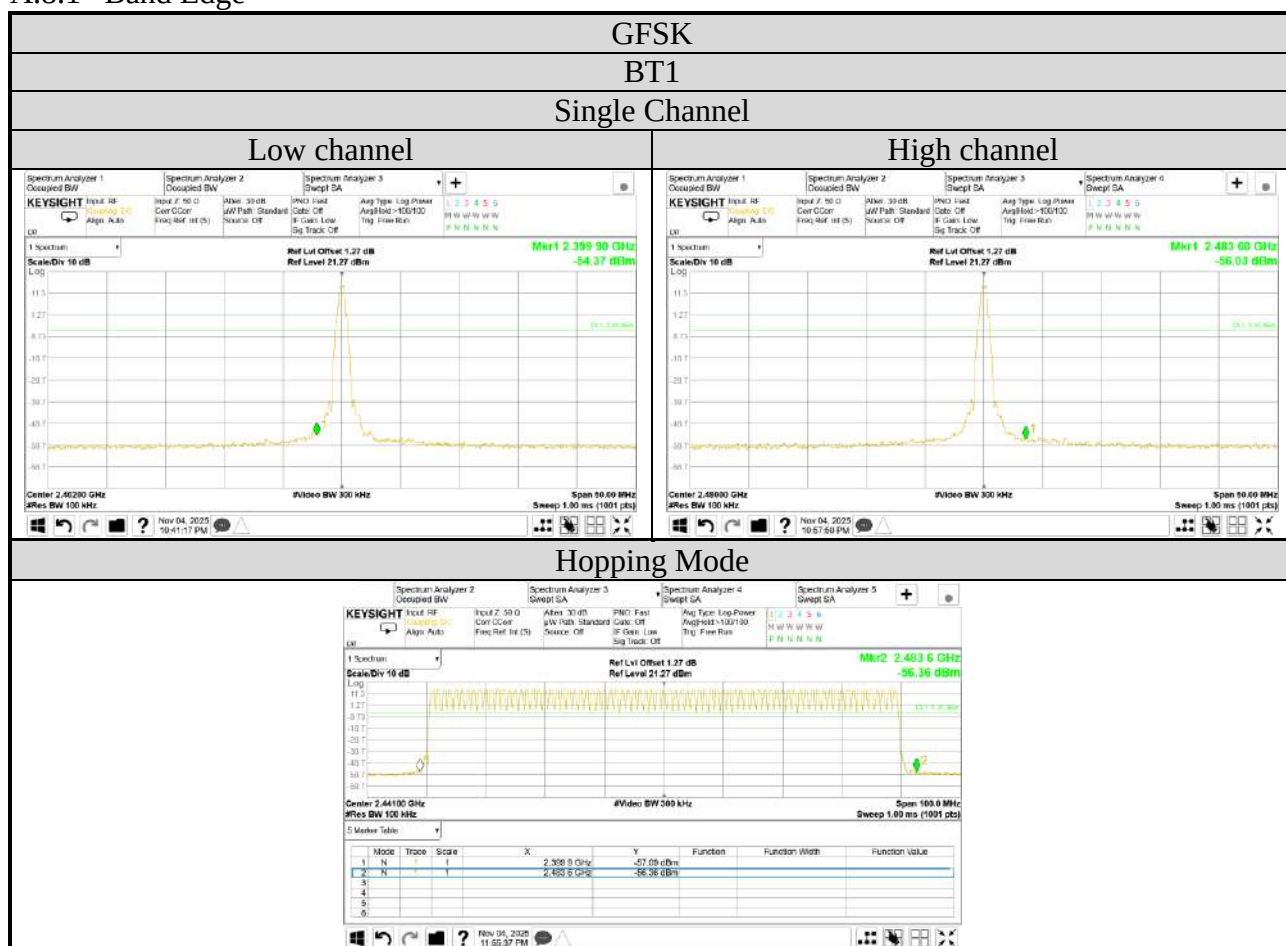
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## A.8 EMISSION LIMITATIONS MEASUREMENT

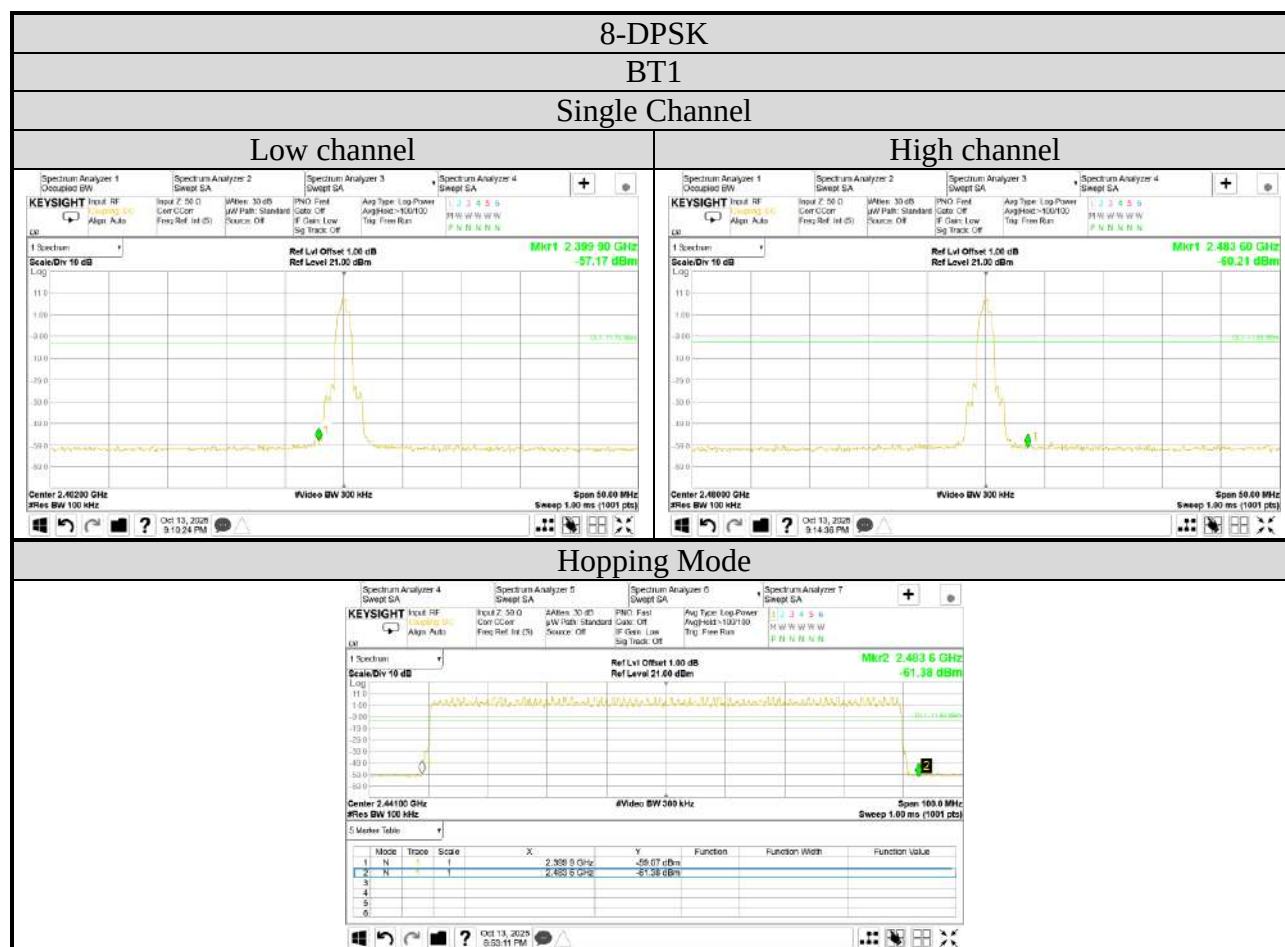
|              |                                     |            |                |
|--------------|-------------------------------------|------------|----------------|
| Test Date    | 2025/10/13~11/05                    | Temp./Hum. | 23~26°C/56~68% |
| Cable Loss   | 1.00dB, 1.27dB                      | Tested By  | Sean Wang      |
| Test Voltage | DC 5V (Through jig via Notebook PC) |            |                |

### A.8.1 Band Edge



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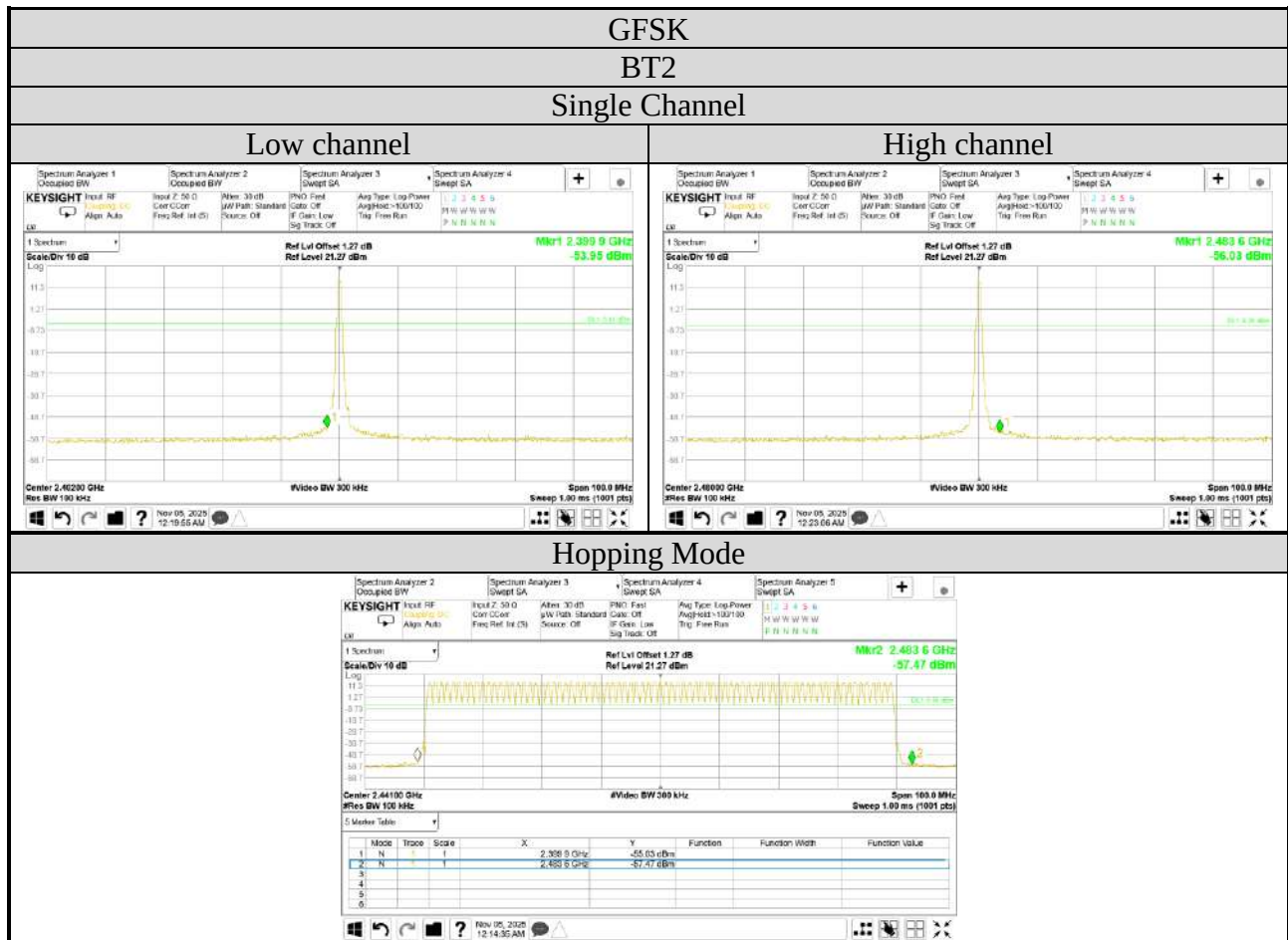
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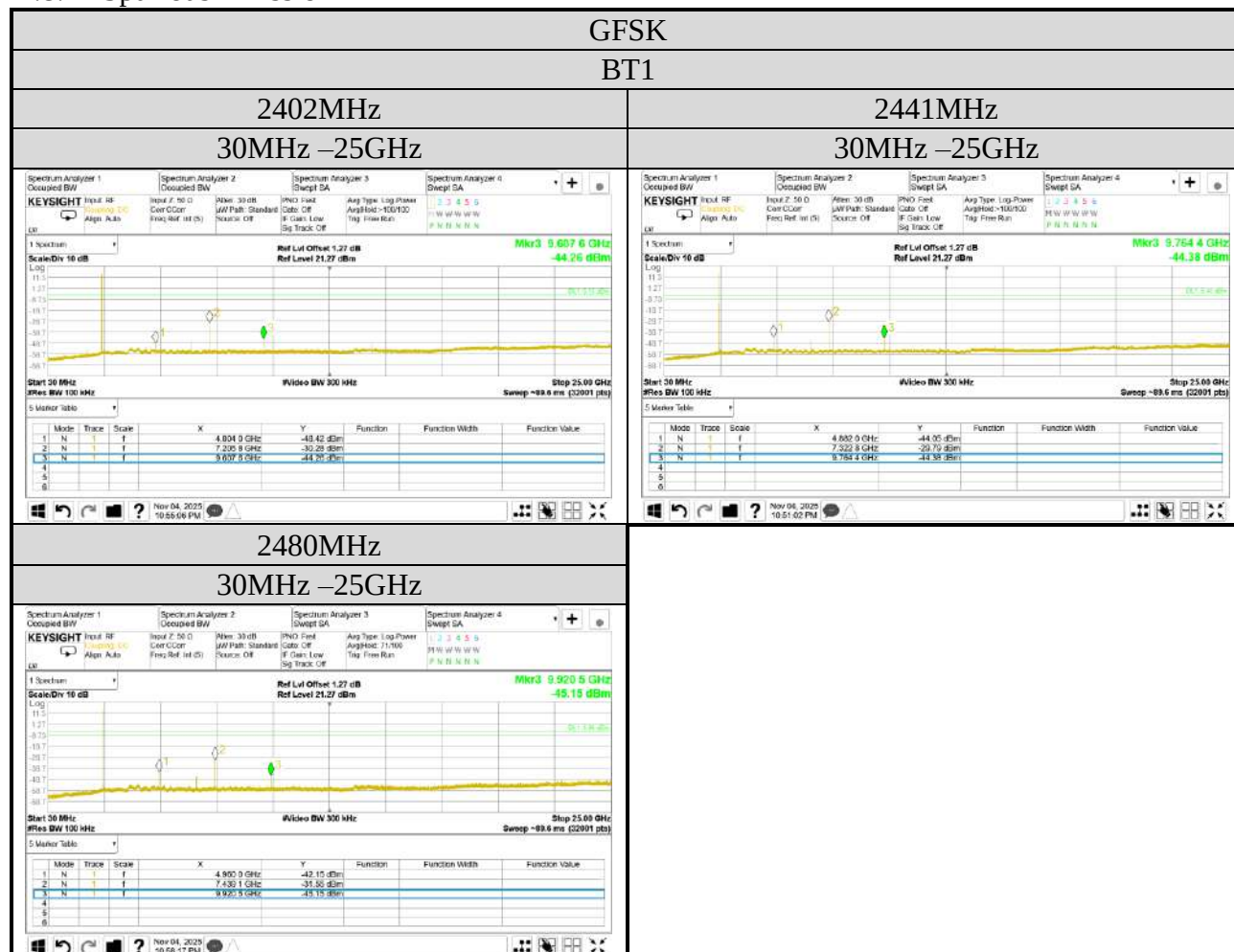
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## A.8.2 Spurious Emission



Note: All results have been included cable loss.

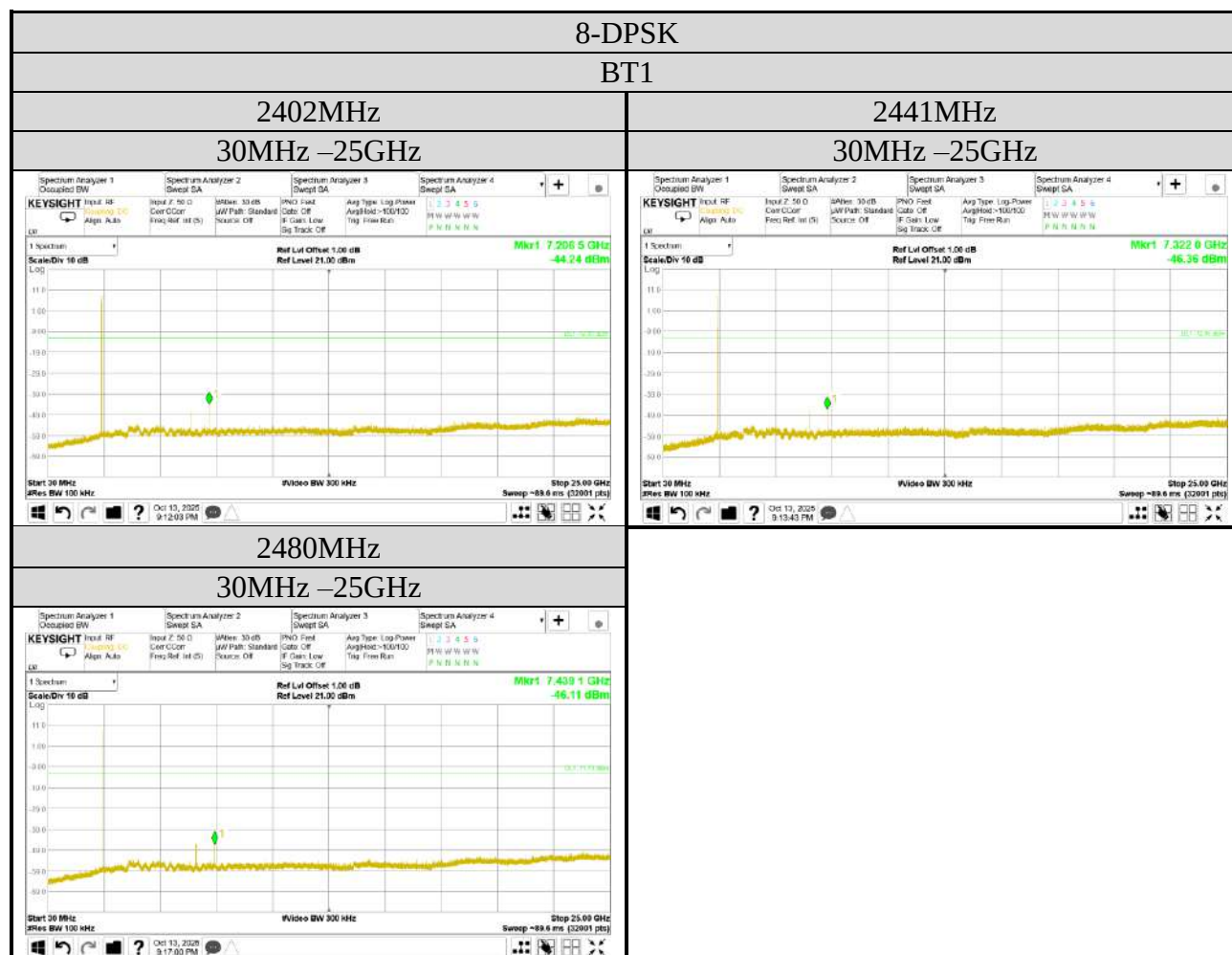
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Note: All results have been included cable loss.

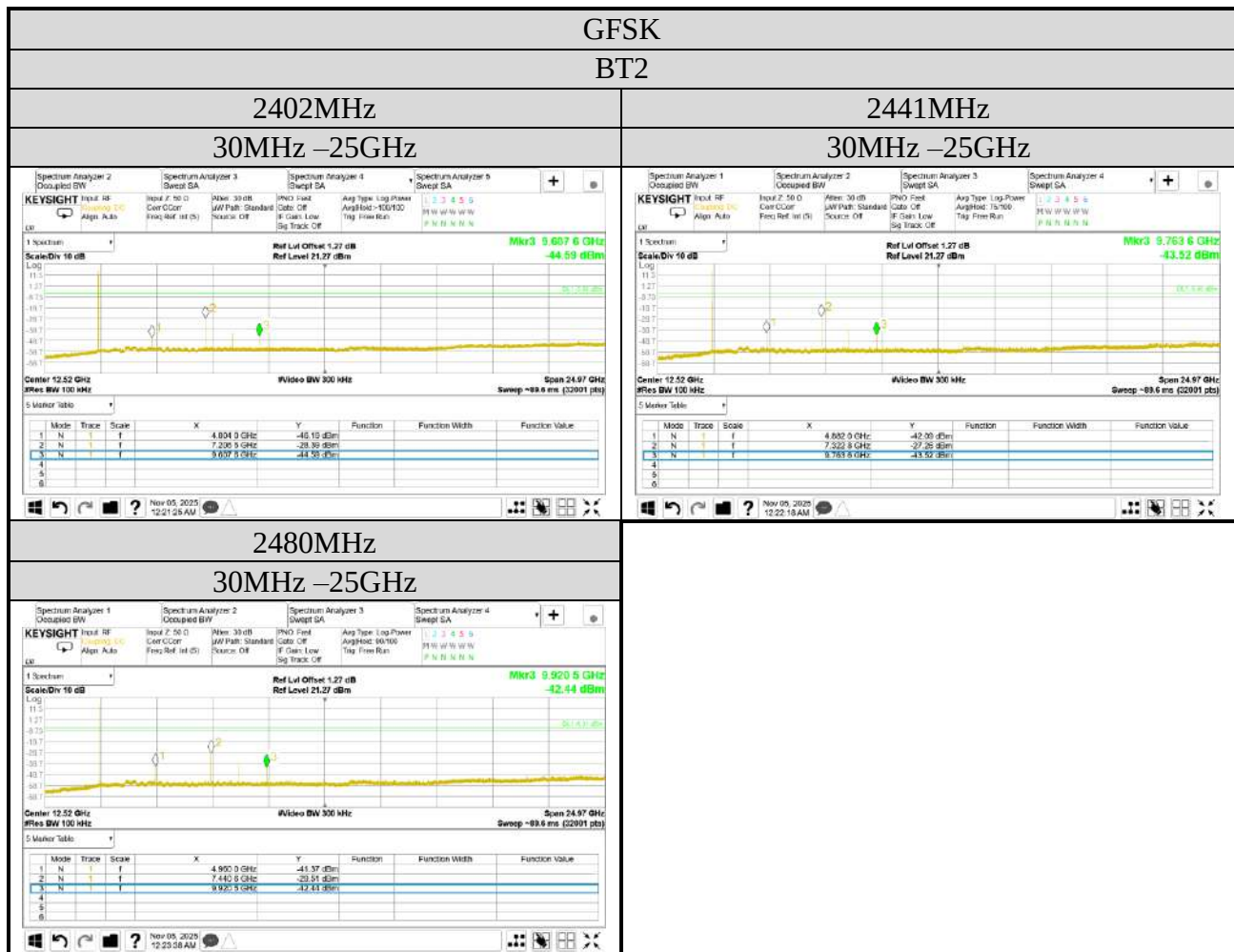
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Note: All results have been included cable loss.

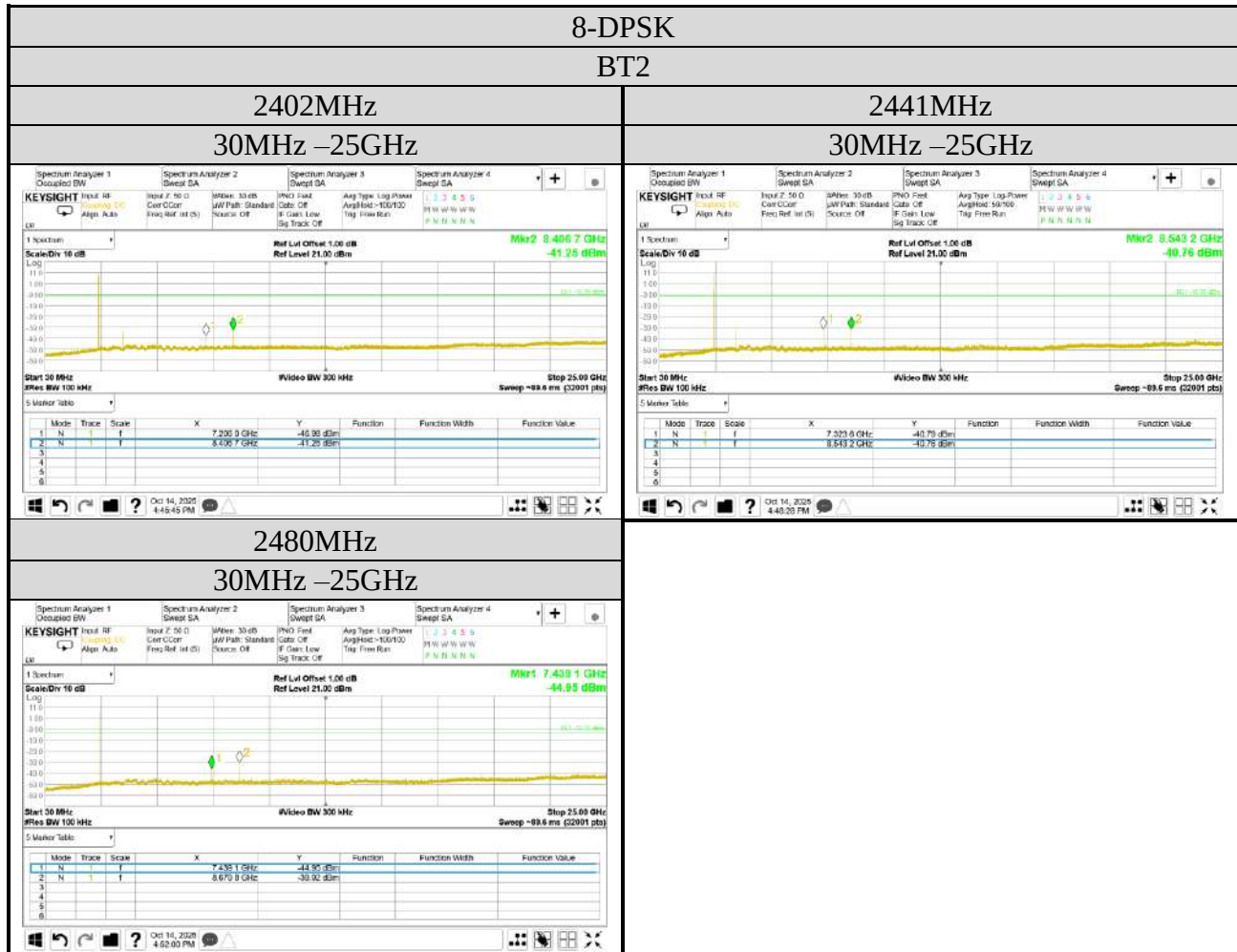
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Note: All results have been included cable loss.